

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A65-WB**

Issue Date: 11/14/2024

**Test Information**

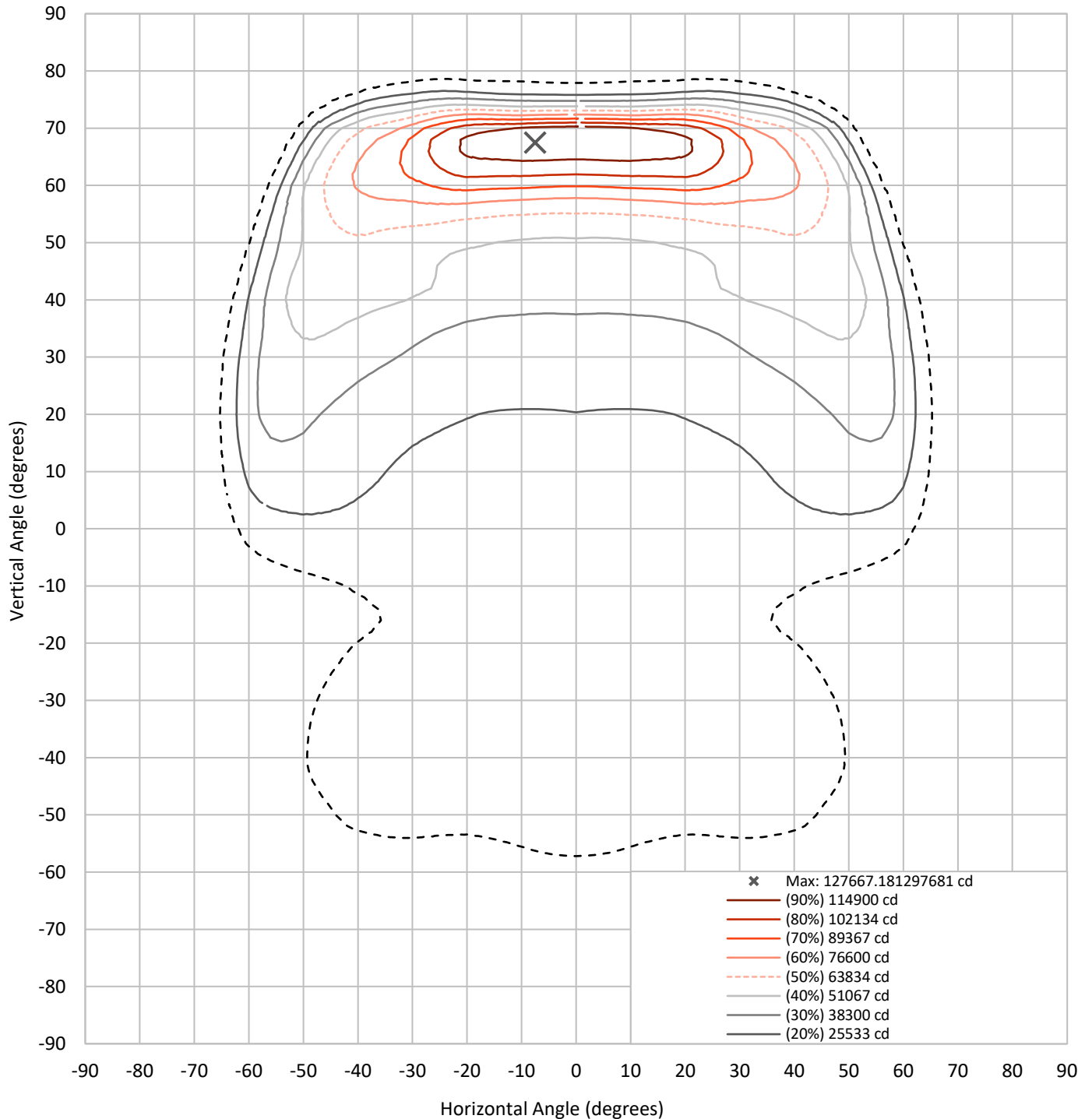
Test Method: LM-79-08  
Report Number: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2039100)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A65-WB  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A65-WB OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 7V
Luminaire Lumens:	145537.5 lumens	Max Intensity:	127667.2 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 67.5°V
Efficacy:	103.0 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	85.1°H x 17.9°V	Field Angle (10%):	104.8°H x 134.4°V
Beam Lumens:	39870.6 lumens	Field Lumens:	134633.9 lumens
Beam Efficiency:	27.4%	Field Efficiency:	92.5%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

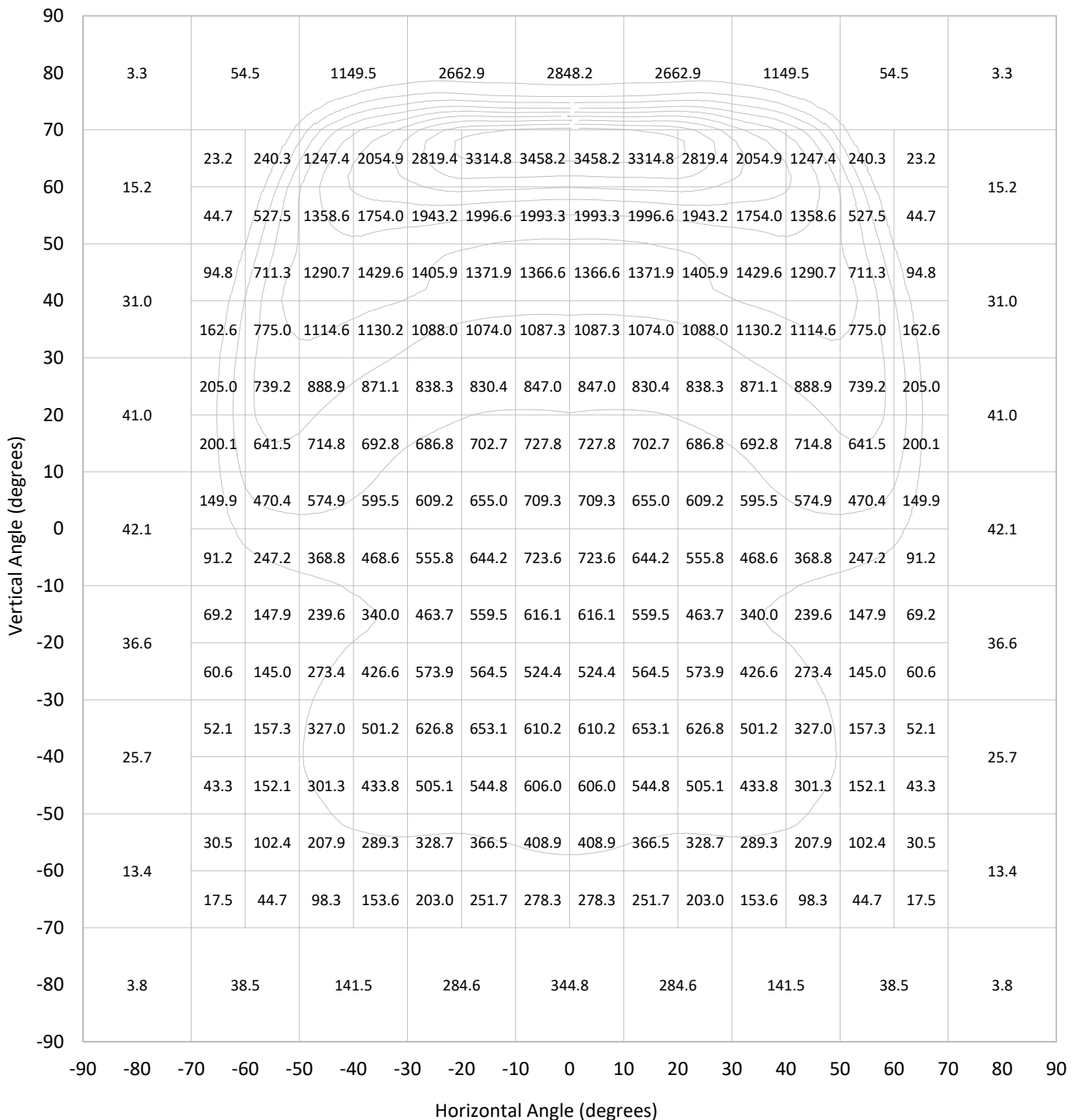
REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

### Iso-Candela Plot



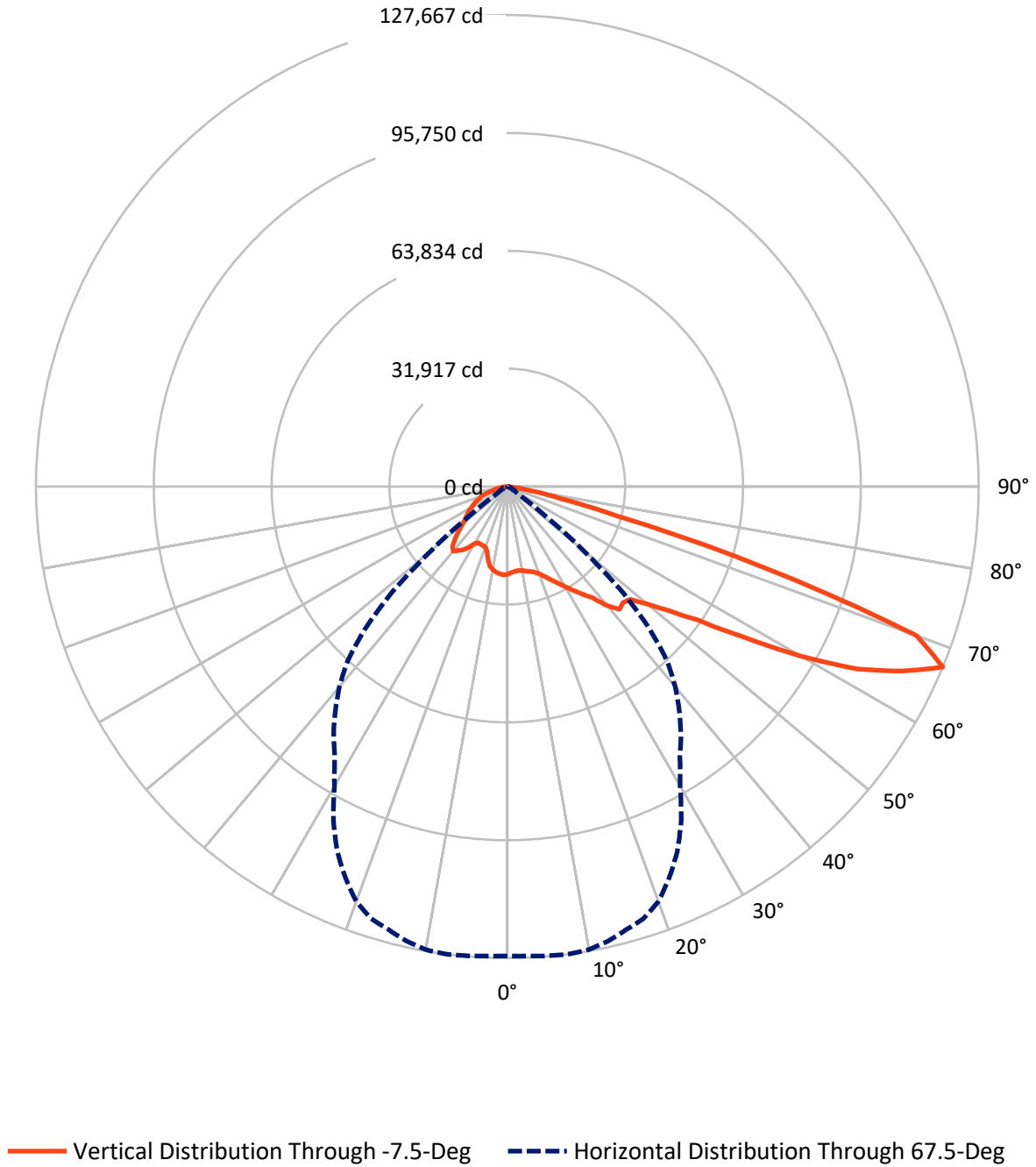
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### Lumen Table



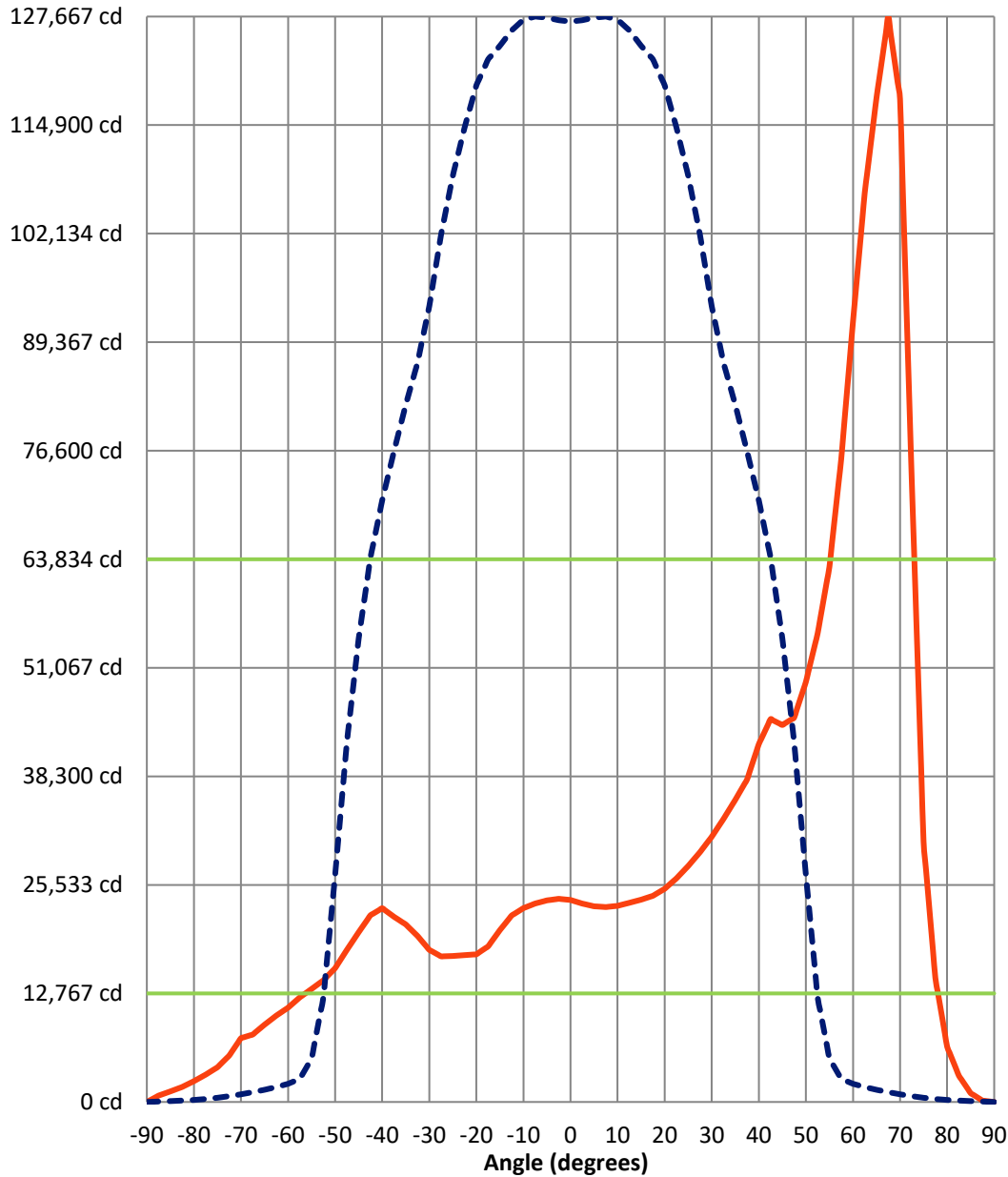
REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 85.1°  
 V Angle: 17.9°  
 Lumens: 39870.6  
 Efficiency: 27.4%

**Field:**  
 H Angle: 104.8°  
 V Angle: 134.4°  
 Lumens: 134633.9  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 10903.5  
 Efficiency: 7.5%

- Vertical Distribution through -7.5-Deg
- - - Horizontal Distribution through 67.5-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	6.0	11.9	17.8	23.7	29.5	35.3	41.0	46.7	52.2	57.7
85°	0.0	11.9	23.8	35.6	47.3	59.0	70.6	82.0	93.3	104.4	118.3
82.5°	0.0	17.8	35.6	53.3	70.9	88.4	105.7	129.6	155.0	179.9	204.4
80°	0.0	23.7	47.3	70.9	94.3	120.4	153.5	190.1	224.3	257.5	307.2
77.5°	0.0	29.5	59.0	88.4	120.4	159.1	202.1	249.8	312.7	396.1	477.5
75°	0.0	35.3	70.6	105.7	151.0	197.4	250.0	341.1	446.8	549.0	669.2
72.5°	0.0	41.0	82.0	126.7	181.2	235.3	327.3	449.3	577.7	738.7	916.7
70°	0.0	46.7	93.3	148.1	210.9	286.2	412.7	554.9	741.0	943.4	1168.3
67.5°	0.0	52.2	104.4	169.1	240.0	350.2	495.1	683.7	902.6	1157.1	1435.6
65°	0.0	57.7	116.3	189.4	277.5	411.8	587.0	812.3	1072.0	1380.6	1697.6
62.5°	0.0	63.0	128.7	209.0	321.7	470.9	690.1	936.2	1259.1	1604.2	1965.0
60°	0.0	68.2	140.9	227.8	364.3	539.7	789.8	1090.3	1440.9	1848.3	2249.4
57.5°	0.0	73.3	152.8	246.8	405.1	621.4	885.9	1239.2	1635.9	2080.0	2573.4
55°	0.0	78.3	164.3	275.4	444.2	700.6	1008.6	1383.0	1827.3	2332.3	2882.3
52.5°	0.0	83.1	175.5	303.1	485.4	777.1	1129.4	1542.9	2010.4	2578.7	3251.7
50°	0.0	87.7	186.4	329.8	541.2	848.4	1246.1	1700.4	2219.4	2830.1	3587.7
47.5°	0.0	92.2	196.8	355.5	594.1	936.7	1360.4	1852.8	2418.4	3100.3	4035.1
45°	0.0	96.5	206.9	380.0	644.0	1018.8	1480.1	2006.9	2607.3	3341.4	4432.8
42.5°	0.0	100.6	216.5	403.4	690.3	1094.3	1589.5	2151.2	2798.6	3593.8	4925.5
40°	0.0	104.6	225.7	425.0	732.9	1163.1	1686.3	2282.7	2971.6	3837.2	5993.6
37.5°	0.0	108.3	234.4	444.5	771.8	1225.1	1772.4	2401.9	3125.8	4057.8	6596.5
35°	0.0	112.2	245.8	468.9	815.7	1289.1	1859.3	2515.9	3279.1	4348.6	7531.7
32.5°	0.0	116.1	257.4	494.0	859.1	1350.7	1942.1	2620.9	3431.1	4620.6	9329.5
30°	0.0	119.7	268.0	517.1	898.3	1405.0	2015.6	2711.4	3562.2	4833.3	10345.9
27.5°	0.0	123.0	277.9	538.1	935.0	1452.1	2076.9	2787.7	3671.0	4964.9	10761.8
25°	0.0	126.1	286.9	557.0	967.7	1491.9	2127.6	2850.0	3764.0	5343.9	11930.1
22.5°	0.0	128.9	295.1	573.9	996.0	1525.4	2168.3	2909.7	3864.9	5700.5	12534.0
20°	0.0	131.4	302.3	588.5	1020.1	1553.9	2201.3	2969.4	3942.3	5784.2	12838.9
17.5°	0.0	133.7	308.6	601.2	1039.8	1575.6	2233.3	3016.4	3997.7	5714.8	12566.7
15°	0.0	135.6	314.1	611.4	1055.4	1593.2	2258.9	3051.2	4024.1	5624.8	12087.7
12.5°	0.0	137.3	318.6	619.1	1065.6	1607.2	2275.3	3071.5	4030.3	5426.6	11642.2
10°	0.0	138.6	322.2	624.5	1071.4	1621.2	2282.9	3076.4	4021.4	5457.8	10968.6
7.5°	0.0	139.7	324.9	627.5	1073.2	1634.7	2295.1	3070.8	3994.2	5402.9	10221.0
5°	0.0	140.4	326.7	628.3	1071.1	1642.1	2303.0	3069.5	3962.5	5275.7	9228.4
2.5°	0.0	140.9	327.6	626.9	1065.3	1643.2	2302.4	3055.9	3918.3	5167.3	8411.0
0°	0.0	141.1	327.7	623.5	1055.8	1638.2	2293.6	3030.8	3859.0	5005.9	7436.0
-2.5°	0.0	141.1	327.2	622.5	1054.0	1634.9	2286.2	3005.8	3808.1	4906.2	6910.6
-5°	0.0	140.8	325.9	619.5	1048.8	1625.5	2271.1	2971.2	3745.0	4781.0	6366.7
-7.5°	0.0	140.2	323.7	614.6	1040.1	1610.1	2248.5	2927.8	3677.6	4672.6	6034.4
-10°	0.0	139.4	320.7	607.8	1027.9	1588.6	2218.0	2886.9	3620.9	4577.3	5751.9
-12.5°	0.0	138.2	316.8	599.0	1012.2	1559.3	2178.1	2839.1	3553.9	4485.2	5545.5
-15°	0.0	136.7	312.1	588.4	993.2	1522.1	2130.3	2782.0	3482.3	4419.2	5366.8
-17.5°	0.0	135.0	306.5	575.8	970.7	1481.8	2074.7	2715.0	3406.2	4323.7	5194.5
-20°	0.0	133.0	300.1	561.5	945.0	1438.9	2011.6	2636.9	3318.9	4176.0	5026.9



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	130.7	292.9	545.9	916.0	1391.9	1944.8	2547.7	3215.8	4000.5	4850.3
-25°	0.0	128.1	284.9	528.6	883.7	1342.8	1874.2	2452.9	3094.2	3818.4	4647.3
-27.5°	0.0	125.3	276.1	509.6	848.3	1290.8	1798.5	2356.8	2965.6	3647.5	4402.5
-30°	0.0	122.2	266.6	489.1	810.2	1235.1	1719.7	2257.0	2837.1	3497.3	4204.9
-32.5°	0.0	118.9	256.9	467.1	772.5	1176.0	1641.0	2154.2	2711.1	3340.0	4026.4
-35°	0.0	115.3	246.5	443.7	732.2	1113.5	1557.2	2049.7	2576.9	3196.0	3840.5
-37.5°	0.0	111.6	236.5	421.2	693.2	1053.5	1473.8	1942.7	2443.1	3048.9	3687.9
-40°	0.0	107.9	228.8	403.4	660.4	999.3	1395.4	1833.7	2321.1	2891.3	3518.0
-42.5°	0.0	104.0	220.8	385.0	625.4	940.9	1313.4	1720.3	2189.9	2720.4	3322.0
-45°	0.0	99.9	212.3	366.0	588.3	878.4	1226.7	1603.0	2049.6	2547.7	3130.5
-47.5°	0.0	95.6	203.4	345.8	549.1	812.0	1135.6	1490.0	1909.2	2379.5	2915.1
-50°	0.0	91.1	194.2	324.3	509.0	742.0	1050.9	1378.4	1757.7	2200.9	2684.4
-52.5°	0.0	86.4	184.5	301.5	467.9	691.4	966.0	1260.7	1595.1	2010.0	2460.3
-55°	0.0	81.5	174.6	277.6	434.1	639.8	879.3	1139.3	1451.4	1812.3	2212.9
-57.5°	0.0	76.4	164.3	252.6	400.5	585.5	788.5	1030.5	1301.9	1612.8	1982.2
-60°	0.0	71.2	153.7	236.3	364.9	528.6	716.0	917.7	1151.6	1432.4	1743.3
-62.5°	0.0	65.8	142.8	220.5	327.4	473.6	642.5	802.1	1016.7	1244.8	1527.9
-65°	0.0	60.3	131.6	204.4	288.2	419.8	568.1	713.8	878.7	1083.5	1312.5
-67.5°	0.0	54.7	119.9	187.9	255.9	363.7	496.5	621.4	756.4	924.3	1117.9
-70°	0.0	48.9	107.5	171.2	231.8	305.6	427.0	527.9	643.5	780.0	930.6
-72.5°	0.0	43.0	94.8	154.2	206.9	259.6	356.3	449.9	532.0	650.9	776.4
-75°	0.0	37.0	81.8	136.0	181.2	225.5	291.5	372.9	450.0	533.8	637.6
-77.5°	0.0	31.0	68.5	114.1	155.0	190.9	245.4	303.1	367.4	441.3	521.2
-80°	0.0	24.9	55.1	91.8	125.6	155.8	197.9	243.8	290.3	348.9	411.0
-82.5°	0.0	18.7	41.5	69.1	94.5	117.9	149.3	183.7	214.3	261.5	306.3
-85°	0.0	12.5	27.7	46.2	63.1	78.7	99.9	122.8	139.9	173.4	201.9
-87.5°	0.0	6.3	13.9	23.2	31.6	39.4	50.0	61.5	70.0	87.0	100.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	63.0	68.2	73.3	78.3	83.1	87.7	92.2	96.5	100.6	104.6	108.3
85°	134.3	154.3	171.5	191.7	213.3	241.1	259.5	283.4	319.9	358.0	411.8
82.5°	228.4	266.4	295.1	354.0	421.8	502.4	583.4	712.6	917.1	1143.5	1318.9
80°	371.1	449.2	526.5	616.0	731.0	897.4	1185.6	1705.2	2301.7	2820.5	3185.7
77.5°	557.4	669.2	810.5	965.9	1158.3	1428.2	2387.2	3827.8	5174.1	6555.3	8384.0
75°	823.8	982.1	1144.5	1449.6	1874.2	2751.2	4953.3	9594.4	13769.0	18516.2	23844.0
72.5°	1109.8	1343.0	1657.8	2096.4	3754.1	8206.2	14974.1	22866.2	31868.4	40628.6	47389.0
70°	1436.3	1730.8	2200.2	3391.6	6853.9	16731.3	30433.4	44073.4	52735.0	60412.7	66773.9
67.5°	1757.4	2140.3	2716.8	5115.0	12291.0	26712.0	42317.0	54510.9	64015.4	70765.7	76540.6
65°	2083.3	2556.6	3469.7	6919.1	19764.4	36570.3	50528.0	60730.5	68894.7	75613.3	80456.0
62.5°	2414.8	3061.8	4890.9	12859.5	28332.9	44722.5	57013.1	65657.4	73773.4	78589.5	82822.5
60°	2791.1	3815.1	7248.8	19120.2	36799.7	50023.3	60054.8	67713.1	73620.2	77819.0	80440.2
57.5°	3216.6	4692.0	11451.1	26282.3	40853.2	52051.1	59968.2	66721.0	71123.8	74049.6	75778.7
55°	3685.2	6497.4	15426.7	30638.8	43220.9	51757.2	58986.7	64586.8	67903.6	70049.1	70572.9
52.5°	4311.9	8333.4	20568.5	34294.5	43964.0	51619.4	57854.3	61878.6	64446.3	65224.1	65281.1
50°	5285.5	12101.0	25052.9	36711.2	45159.0	51911.6	56905.3	60143.9	61740.4	62482.2	61438.2
47.5°	6404.3	15764.1	28465.4	39132.4	47036.7	53113.3	57499.6	59969.6	60848.4	60544.1	59134.0
45°	8863.5	19477.6	31970.7	41598.9	49759.8	55664.5	59431.4	61273.9	61702.6	60477.8	58771.6
42.5°	10608.1	23465.0	34600.7	44273.4	52482.2	58225.7	61660.9	62572.1	62246.1	61028.8	59714.4
40°	13759.5	26382.7	36789.6	46135.0	53487.3	58037.8	60210.8	60582.2	59707.4	57868.3	55790.1
37.5°	16616.2	28578.5	37756.4	45792.2	51821.3	55239.5	56280.5	55560.5	53594.3	51862.9	49962.7
35°	18791.9	30360.4	38020.7	45548.6	50300.3	52407.8	52828.3	51704.1	49875.2	48032.4	46170.5
32.5°	20641.1	31276.9	39061.8	45336.2	49002.8	50502.4	50495.7	49109.0	47148.8	45257.1	43462.5
30°	22437.7	32506.7	40111.7	45477.0	48113.5	48759.2	48344.2	46487.7	44512.4	42627.6	40919.3
27.5°	23660.9	33582.1	40591.2	44942.1	46654.4	46725.0	45831.7	43928.3	41940.9	40093.3	38488.2
25°	24314.1	34100.7	40642.5	44121.1	45052.7	44657.3	43405.9	41363.8	39452.3	37602.4	36123.9
22.5°	24628.1	34494.2	40448.3	43250.6	43392.1	42574.6	41051.2	38970.3	37093.2	35344.2	33926.3
20°	24825.6	34379.0	39704.6	41679.4	41618.9	40671.1	38810.9	36786.8	34848.0	33159.4	31834.1
17.5°	24356.4	33510.6	38372.4	40063.2	39870.6	38871.2	36894.2	34814.5	32916.3	31311.0	30094.8
15°	23347.1	32027.2	36777.7	38321.7	37964.3	36989.1	35126.4	33089.1	31291.1	29703.5	28580.0
12.5°	22066.6	30337.3	34816.9	36121.6	35855.4	35034.6	33384.8	31563.0	29916.0	28450.8	27411.1
10°	20513.9	28223.7	32463.1	33608.3	33541.9	32931.3	31600.1	30149.6	28716.5	27420.4	26459.2
7.5°	18658.4	25809.0	29724.1	30873.9	30963.7	30706.1	29723.1	28687.7	27536.4	26444.7	25625.9
5°	16507.9	23071.2	26601.6	27842.3	28217.5	28303.5	27735.7	27073.5	26249.6	25404.5	24758.6
2.5°	14201.3	19885.9	23168.3	24571.0	25225.1	25626.4	25487.8	25165.2	24667.6	24110.4	23625.2
0°	11695.5	16437.3	19481.8	21006.3	21889.2	22498.9	22731.1	22744.7	22621.8	22371.5	22144.0
-2.5°	9956.0	13369.3	15774.0	17240.2	18235.6	19071.2	19641.5	20055.2	20301.7	20471.1	20576.8
-5°	8267.9	10626.7	12538.3	13868.7	14803.7	15675.5	16418.0	17128.4	17732.4	18293.9	18776.3
-7.5°	7435.0	8904.5	9991.7	11007.5	11943.4	12762.2	13406.3	14071.8	14896.4	15649.1	16395.2
-10°	6701.7	7774.7	8698.7	9466.3	9961.8	10749.9	11364.0	11857.8	12689.9	13428.5	14111.1
-12.5°	6369.3	7175.5	7857.3	8648.7	9236.7	9787.9	10443.5	11006.2	11686.5	12244.6	12814.7
-15°	6068.1	6863.8	7550.9	8252.8	8946.6	9601.0	10229.0	10799.9	11395.3	11807.9	12254.3
-17.5°	5864.6	6657.0	7367.3	8166.1	8888.8	9638.3	10306.2	10961.3	11575.5	12008.7	12555.7
-20°	5672.3	6540.7	7258.9	8115.2	8909.6	9751.2	10559.9	11366.1	12167.6	12854.9	13582.0



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5542.3	6360.8	7198.0	8082.1	8989.4	9921.0	10895.9	11867.2	12820.6	13667.1	14623.4
-25°	5390.5	6231.4	7143.3	8156.0	9136.3	10232.4	11405.2	12544.0	13708.1	14739.3	15852.8
-27.5°	5225.3	6060.4	7218.1	8267.7	9453.9	10704.1	12049.4	13418.6	14792.7	15993.7	17272.8
-30°	4998.7	6002.9	7248.5	8469.3	9828.3	11223.6	12754.6	14267.4	15817.8	17127.4	18503.3
-32.5°	4805.7	5862.1	7349.4	8701.9	10128.4	11677.5	13311.4	14913.0	16514.3	17868.8	19285.9
-35°	4607.0	5788.3	7464.9	8957.1	10424.2	12025.8	13756.6	15403.0	16983.3	18283.5	19433.5
-37.5°	4421.1	5698.4	7520.8	9146.3	10665.5	12240.1	13975.0	15576.9	17082.4	18271.3	19191.1
-40°	4294.9	5547.4	7575.5	9267.4	10810.7	12320.4	13953.8	15452.5	16799.5	17988.0	18820.9
-42.5°	4083.8	5404.0	7372.3	9141.8	10724.2	12216.1	13604.7	14925.1	16146.8	17296.6	18193.7
-45°	3877.8	5180.4	7066.5	8815.9	10306.4	11671.8	12933.8	14063.3	15165.3	16142.0	16972.1
-47.5°	3661.7	4920.6	6762.2	8448.5	9805.7	10965.8	12108.0	13185.7	14040.9	14909.8	15596.0
-50°	3389.9	4573.8	6342.5	7965.2	9255.9	10399.6	11341.2	12415.9	13368.0	14069.1	14683.4
-52.5°	3050.3	4068.2	5632.8	7180.5	8407.0	9410.8	10489.2	11452.6	12381.3	13149.9	13601.5
-55°	2724.9	3508.8	4700.2	6009.5	6990.6	7993.9	8902.7	9797.2	10545.1	10913.5	11376.7
-57.5°	2403.8	2943.7	3761.8	4539.3	5456.2	6331.9	7196.4	8168.7	8742.6	9072.0	9167.2
-60°	2102.6	2516.6	2973.2	3573.9	4105.5	4910.6	5740.1	6553.1	7543.7	8006.5	8054.2
-62.5°	1809.5	2132.0	2486.9	2880.2	3359.4	3934.7	4628.4	5307.7	5813.6	6532.3	6973.4
-65°	1551.7	1790.8	2093.3	2410.7	2825.6	3317.3	3921.1	4500.8	4999.8	5396.1	5740.8
-67.5°	1311.7	1522.7	1744.9	2029.3	2357.0	2745.2	3241.4	3745.0	4174.5	4527.0	4842.7
-70°	1103.1	1269.2	1463.2	1684.1	1923.4	2235.2	2594.0	2978.5	3355.6	3641.9	3891.5
-72.5°	900.7	1052.5	1209.0	1378.1	1590.1	1811.1	2039.0	2317.5	2610.0	2851.5	3052.8
-75°	752.4	860.2	978.4	1136.1	1302.7	1473.7	1645.1	1846.3	2038.1	2218.5	2375.1
-77.5°	607.9	696.1	801.7	919.5	1049.9	1182.7	1321.8	1472.3	1618.5	1771.4	1895.6
-80°	480.3	549.2	634.3	721.2	824.9	931.5	1034.8	1145.9	1261.1	1374.5	1478.2
-82.5°	354.9	409.0	477.6	544.0	617.3	706.4	778.6	857.7	940.3	1007.7	1100.0
-85°	232.7	285.2	330.3	369.5	419.1	484.0	534.8	597.4	641.4	682.5	747.7
-87.5°	115.5	147.6	171.0	189.1	218.6	248.4	281.0	313.5	348.6	383.2	420.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	116.8	129.2	145.2	158.0	158.8	167.9	170.5	175.5	169.1	170.3	169.5
85°	472.3	584.7	731.2	864.6	957.0	1018.6	1042.4	1103.6	1163.1	1170.9	1115.0
82.5°	1512.9	1795.3	2227.6	2678.3	2990.3	3202.4	3355.4	3467.0	3473.4	3390.1	3257.5
80°	3882.5	4911.8	6065.1	7078.9	7627.0	7741.3	7699.3	7665.8	7634.3	7405.4	6972.0
77.5°	11429.7	13836.4	15370.6	16491.7	16909.3	16561.5	15788.2	15154.0	14971.2	15022.5	14958.4
75°	28163.8	30608.6	32811.3	35406.9	37328.9	37418.0	35989.5	34669.9	33194.2	32014.7	31105.6
72.5°	50799.2	53934.9	58695.4	64698.7	70475.9	74613.4	76879.9	76735.7	74779.8	72970.2	72390.4
70°	70991.0	75763.3	82595.4	90545.0	97828.2	103164.2	108391.9	111679.9	112982.4	114066.0	115925.7
67.5°	81997.7	86951.4	93600.4	101997.5	108952.0	114614.3	119578.1	122637.0	124228.9	126030.7	127305.7
65°	84547.1	89011.4	94393.3	100348.4	106245.6	111630.1	115279.4	116483.8	116692.6	117393.3	118048.1
62.5°	86045.9	88579.4	92776.5	97187.5	100959.6	105069.9	107710.5	107719.5	107064.7	107051.2	107180.1
60°	82457.9	83942.0	85991.6	88698.1	91338.9	93531.3	94234.4	93668.9	93072.1	92700.1	92360.2
57.5°	76644.3	76751.8	77612.1	78950.4	80007.4	80435.5	79808.8	78718.5	77648.0	76885.9	76274.2
55°	70247.9	69494.4	69654.6	69664.1	68809.5	67609.1	66871.3	65682.1	64431.1	63513.7	63413.8
52.5°	63818.0	63209.4	62386.6	61662.6	60869.6	59535.5	58293.4	57629.2	57175.9	56523.8	55810.0
50°	60257.9	58886.1	58064.2	56886.0	55625.9	53940.8	52929.3	52205.4	51066.6	50290.7	49810.9
47.5°	57577.7	56176.8	54512.6	53288.2	51323.8	49841.4	48713.9	47554.4	46953.9	46358.4	45703.2
45°	57223.6	55553.9	54018.4	52306.0	50212.3	48620.8	47403.1	46514.8	45886.1	45186.5	44557.9
42.5°	57560.8	56023.6	54723.1	52398.8	50891.2	48892.2	48248.2	47016.1	46416.7	46296.1	45458.4
40°	53929.0	52232.4	50278.3	48437.9	46653.7	45390.6	44510.6	43625.3	42964.0	42753.0	42397.0
37.5°	48031.4	46288.3	44843.1	43070.3	41447.3	40644.3	39619.9	39161.9	38504.7	38342.6	38179.9
35°	44542.3	43142.0	41595.8	39989.8	38680.4	37780.9	37012.4	36445.2	36032.7	35772.1	35610.2
32.5°	41958.9	40592.5	39034.7	37460.6	36334.4	35469.6	34722.9	34181.8	33777.1	33519.3	33348.3
30°	39539.5	38171.7	36624.8	35180.5	34146.0	33299.3	32586.9	32004.5	31609.8	31404.9	31289.1
27.5°	37175.6	35817.3	34386.7	33043.3	32069.4	31275.2	30587.4	30065.1	29704.7	29505.6	29435.3
25°	34894.3	33612.0	32260.9	31062.6	30140.1	29418.1	28778.5	28297.1	27999.7	27849.2	27800.5
22.5°	32782.2	31554.2	30318.2	29244.4	28402.5	27748.3	27163.2	26748.1	26487.7	26361.3	26328.6
20°	30807.3	29607.9	28550.6	27603.4	26886.4	26321.3	25839.5	25459.8	25234.8	25124.2	25084.4
17.5°	29027.9	27936.7	26963.9	26216.3	25609.3	25216.3	24806.6	24509.8	24317.7	24229.1	24212.2
15°	27580.0	26562.0	25732.0	25108.0	24685.1	24385.6	24101.1	23871.7	23741.9	23715.6	23725.5
12.5°	26464.6	25520.6	24737.6	24208.4	23931.1	23692.8	23536.4	23387.9	23310.0	23291.2	23337.8
10°	25574.4	24688.3	24035.7	23592.5	23326.3	23075.4	22949.5	22873.5	22818.1	22827.2	22935.3
7.5°	24898.6	24064.3	23443.2	22975.9	22667.3	22448.6	22309.0	22313.8	22360.4	22458.6	22669.4
5°	24145.2	23376.0	22681.7	22221.6	21933.8	21820.8	21784.0	21872.5	22063.1	22332.2	22714.7
2.5°	23088.8	22443.7	21819.3	21460.6	21323.6	21347.2	21427.7	21701.5	22093.1	22447.0	22892.0
0°	21825.5	21397.6	20988.1	20819.7	20851.6	21033.6	21279.3	21643.4	22116.7	22644.6	23227.0
-2.5°	20579.9	20436.8	20326.5	20369.6	20550.5	20848.6	21164.2	21536.5	22054.3	22653.0	23297.3
-5°	19155.0	19417.6	19674.3	19955.5	20273.9	20650.7	21018.1	21412.1	21918.1	22533.7	23157.7
-7.5°	17198.7	17911.1	18593.0	19220.8	19799.1	20358.5	20849.1	21260.7	21723.4	22288.4	22858.3
-10°	15014.1	15963.5	16996.8	17992.1	18874.2	19679.0	20384.6	20894.4	21379.2	21877.8	22384.3
-12.5°	13500.8	14329.0	15304.9	16397.8	17400.6	18408.5	19310.7	19978.4	20478.6	21007.7	21507.8
-15°	12807.1	13512.4	14387.7	15304.7	16116.1	16957.5	17815.7	18456.8	18925.0	19360.7	19832.6
-17.5°	13129.9	13761.8	14523.7	15249.6	15764.3	16241.5	16804.1	17234.6	17513.1	17745.1	17948.1
-20°	14375.9	15243.9	16192.5	17122.8	17438.6	17247.6	17214.3	17305.4	17252.7	17180.6	17214.0



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15642.6	16763.1	17951.3	19117.5	19765.2	19608.2	19150.3	18606.8	17911.3	17431.0	17260.1
-25°	16992.5	18152.6	19316.2	20517.0	21370.7	21408.2	20920.3	19840.6	18830.0	17846.0	17326.6
-27.5°	18522.7	19735.4	20923.6	22072.7	23102.9	23338.6	22925.5	21775.3	20338.6	18801.0	17760.2
-30°	19801.2	21015.7	22183.1	23250.5	24222.6	24647.0	24405.8	23496.9	22145.9	20602.7	19137.5
-32.5°	20533.8	21588.9	22504.4	23268.6	23892.3	24340.7	24222.0	23849.5	23008.4	22006.7	20905.0
-35°	20530.9	21293.6	21988.8	22511.0	22829.8	23048.1	22910.4	22762.4	22472.7	22041.7	21553.4
-37.5°	20010.1	20705.2	21313.2	21769.1	21973.4	22128.5	22031.3	21906.2	21788.5	21758.3	21795.7
-40°	19555.2	20252.5	20777.3	21141.2	21447.1	21495.1	21658.9	21506.7	21601.1	21738.9	22181.6
-42.5°	18812.5	19317.3	19735.5	19980.5	20188.4	20222.9	20324.7	20338.2	20442.6	20707.1	21226.0
-45°	17657.6	18072.2	18301.1	18422.6	18456.6	18403.8	18307.2	18375.3	18547.6	18849.3	19354.8
-47.5°	16207.0	16647.4	16825.2	16777.9	16631.6	16469.4	16336.1	16344.9	16534.2	16904.0	17382.2
-50°	15199.5	15555.1	15483.4	15300.0	14966.2	14718.8	14595.5	14549.7	14730.3	15081.4	15435.2
-52.5°	14172.7	14271.7	14346.1	14001.6	13598.6	13429.7	13324.3	13403.6	13591.5	13819.8	14067.8
-55°	11568.8	11793.8	11791.0	11689.9	11772.6	11744.0	11860.2	12137.0	12436.3	12684.9	12974.6
-57.5°	9219.3	9511.4	9628.6	9919.9	10163.8	10278.6	10494.9	10832.5	11227.8	11642.8	12017.6
-60°	8090.6	8286.5	8579.3	8928.3	9251.8	9464.5	9669.6	10000.5	10365.7	10678.8	10914.9
-62.5°	7182.8	7392.9	7729.0	8082.5	8357.4	8619.3	8966.1	9355.8	9656.6	9854.7	10030.9
-65°	6109.2	6485.9	6855.2	7200.2	7468.8	7726.4	8044.2	8413.8	8678.8	8845.7	8980.5
-67.5°	5137.9	5457.4	5804.0	6116.3	6398.7	6681.0	6965.0	7281.2	7562.6	7715.2	7839.9
-70°	4139.9	4404.1	4695.1	4985.8	5230.7	5469.9	5802.6	6353.0	6879.9	7218.4	7401.6
-72.5°	3262.4	3479.0	3693.2	3900.9	4094.6	4321.0	4780.9	5469.7	5992.1	6060.5	5760.3
-75°	2547.3	2731.8	2916.8	3089.8	3247.5	3431.9	3726.4	4049.7	4194.1	4162.0	4086.3
-77.5°	2035.1	2174.0	2316.6	2446.8	2572.3	2708.8	2866.7	2993.2	3087.9	3155.2	3192.4
-80°	1579.8	1684.0	1789.8	1884.4	1990.2	2073.9	2175.1	2264.5	2335.9	2383.0	2412.5
-82.5°	1163.8	1248.9	1331.9	1392.1	1462.7	1518.9	1590.5	1656.2	1697.3	1729.8	1746.2
-85°	814.9	894.0	947.5	1003.5	1037.7	1073.1	1104.0	1159.3	1192.5	1211.7	1230.8
-87.5°	454.2	502.5	540.9	560.5	599.1	637.8	664.1	683.0	709.1	721.3	743.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	167.8	162.1	158.9	159.3	158.9	162.1	167.8	169.5	170.3	169.1	175.5
85°	1038.7	955.4	906.2	892.0	906.2	955.4	1038.7	1115.0	1170.9	1163.1	1103.6
82.5°	3092.6	2935.5	2832.5	2785.0	2832.5	2935.5	3092.6	3257.5	3390.1	3473.4	3467.0
80°	6514.1	6218.5	6048.0	5970.6	6048.0	6218.5	6514.1	6972.0	7405.4	7634.3	7665.8
77.5°	14594.5	14180.4	13896.5	13761.5	13896.5	14180.4	14594.5	14958.4	15022.5	14971.2	15154.0
75°	30637.0	30361.0	30177.7	30098.7	30177.7	30361.0	30637.0	31105.6	32014.7	33194.2	34669.9
72.5°	72960.5	73643.6	73997.1	74054.5	73997.1	73643.6	72960.5	72390.4	72970.2	74779.8	76735.7
70°	117954.1	119220.6	119845.9	120030.7	119845.9	119220.6	117954.1	115925.7	114066.0	112982.4	111679.9
67.5°	127667.2	127535.9	127235.6	127079.9	127235.6	127535.9	127667.2	127305.7	126030.7	124228.9	122637.0
65°	118127.9	117732.3	117276.8	117072.7	117276.8	117732.3	118127.9	118048.1	117393.3	116692.6	116483.8
62.5°	106924.4	106360.1	105873.2	105714.1	105873.2	106360.1	106924.4	107180.1	107051.2	107064.7	107719.5
60°	91745.2	90964.7	90452.5	90305.2	90452.5	90964.7	91745.2	92360.2	92700.1	93072.1	93668.9
57.5°	75602.0	74938.6	74632.5	74618.7	74632.5	74938.6	75602.0	76274.2	76885.9	77648.0	78718.5
55°	62949.4	62432.4	62377.2	62609.3	62377.2	62432.4	62949.4	63413.8	63513.7	64431.1	65682.1
52.5°	55117.3	54687.2	54794.7	55173.3	54794.7	54687.2	55117.3	55810.0	56523.8	57175.9	57629.2
50°	49409.3	49109.3	49098.5	49293.8	49098.5	49109.3	49409.3	49810.9	50290.7	51066.6	52205.4
47.5°	45202.2	45146.5	45252.7	45466.6	45252.7	45146.5	45202.2	45703.2	46358.4	46953.9	47554.4
45°	44341.1	44232.8	44261.7	44397.2	44261.7	44232.8	44341.1	44557.9	45186.5	45886.1	46514.8
42.5°	45032.6	44918.7	44988.6	45047.9	44988.6	44918.7	45032.6	45458.4	46296.1	46416.7	47016.1
40°	42091.2	42020.8	42052.1	42121.8	42052.1	42020.8	42091.2	42397.0	42753.0	42964.0	43625.3
37.5°	37927.5	37886.2	37949.1	38117.1	37949.1	37886.2	37927.5	38179.9	38342.6	38504.7	39161.9
35°	35536.6	35542.2	35555.7	35659.8	35555.7	35542.2	35536.6	35610.2	35772.1	36032.7	36445.2
32.5°	33294.1	33275.9	33297.4	33366.2	33297.4	33275.9	33294.1	33348.3	33519.3	33777.1	34181.8
30°	31196.4	31147.2	31152.4	31218.2	31152.4	31147.2	31196.4	31289.1	31404.9	31609.8	32004.5
27.5°	29379.3	29376.3	29388.3	29493.4	29388.3	29376.3	29379.3	29435.3	29505.6	29704.7	30065.1
25°	27756.4	27788.9	27874.7	28023.6	27874.7	27788.9	27756.4	27800.5	27849.2	27999.7	28297.1
22.5°	26300.1	26329.9	26426.5	26581.0	26426.5	26329.9	26300.1	26328.6	26361.3	26487.7	26748.1
20°	25074.4	25121.4	25213.3	25375.0	25213.3	25121.4	25074.4	25084.4	25124.2	25234.8	25459.8
17.5°	24250.4	24295.1	24454.6	24592.3	24454.6	24295.1	24250.4	24212.2	24229.1	24317.7	24509.8
15°	23794.9	23904.1	24060.6	24182.7	24060.6	23904.1	23794.9	23725.5	23715.6	23741.9	23871.7
12.5°	23428.8	23559.6	23742.6	23827.7	23742.6	23559.6	23428.8	23337.8	23291.2	23310.0	23387.9
10°	23071.2	23246.9	23437.5	23518.3	23437.5	23246.9	23071.2	22935.3	22827.2	22818.1	22873.5
7.5°	22928.7	23136.8	23290.2	23350.0	23290.2	23136.8	22928.7	22669.4	22458.6	22360.4	22313.8
5°	23016.9	23264.3	23444.1	23591.1	23444.1	23264.3	23016.9	22714.7	22332.2	22063.1	21872.5
2.5°	23335.4	23698.0	23968.0	24091.7	23968.0	23698.0	23335.4	22892.0	22447.0	22093.1	21701.5
0°	23759.5	24191.8	24501.3	24646.9	24501.3	24191.8	23759.5	23227.0	22644.6	22116.7	21643.4
-2.5°	23894.3	24353.9	24658.3	24783.4	24658.3	24353.9	23894.3	23297.3	22653.0	22054.3	21536.5
-5°	23711.5	24150.3	24441.8	24546.7	24441.8	24150.3	23711.5	23157.7	22533.7	21918.1	21412.1
-7.5°	23344.1	23739.0	24028.4	24105.4	24028.4	23739.0	23344.1	22858.3	22288.4	21723.4	21260.7
-10°	22798.7	23123.4	23334.2	23390.9	23334.2	23123.4	22798.7	22384.3	21877.8	21379.2	20894.4
-12.5°	21931.7	22243.5	22488.1	22571.8	22488.1	22243.5	21931.7	21507.8	21007.7	20478.6	19978.4
-15°	20213.1	20491.2	20724.5	20833.4	20724.5	20491.2	20213.1	19832.6	19360.7	18925.0	18456.8
-17.5°	18305.3	18492.6	18659.2	18753.6	18659.2	18492.6	18305.3	17948.1	17745.1	17513.1	17234.6
-20°	17370.9	17484.6	17548.8	17584.1	17548.8	17484.6	17370.9	17214.0	17180.6	17252.7	17305.4



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17272.0	17371.6	17469.4	17520.4	17469.4	17371.6	17272.0	17260.1	17431.0	17911.3	18606.8
-25°	17171.2	17207.7	17316.7	17383.9	17316.7	17207.7	17171.2	17326.6	17846.0	18830.0	19840.6
-27.5°	17127.9	16888.1	16956.1	17015.3	16956.1	16888.1	17127.9	17760.2	18801.0	20338.6	21775.3
-30°	17896.8	17154.8	16959.4	16965.2	16959.4	17154.8	17896.8	19137.5	20602.7	22145.9	23496.9
-32.5°	19525.8	18437.5	17872.1	17688.8	17872.1	18437.5	19525.8	20905.0	22006.7	23008.4	23849.5
-35°	20883.2	20084.2	19349.2	19004.0	19349.2	20084.2	20883.2	21553.4	22041.7	22472.7	22762.4
-37.5°	21784.3	21560.5	21182.1	20974.5	21182.1	21560.5	21784.3	21795.7	21758.3	21788.5	21906.2
-40°	22792.2	22870.9	22814.7	22844.8	22814.7	22870.9	22792.2	22181.6	21738.9	21601.1	21506.7
-42.5°	21959.5	22323.9	22469.5	22549.0	22469.5	22323.9	21959.5	21226.0	20707.1	20442.6	20338.2
-45°	19967.7	20451.2	20715.6	20824.2	20715.6	20451.2	19967.7	19354.8	18849.3	18547.6	18375.3
-47.5°	17894.3	18248.5	18466.8	18553.4	18466.8	18248.5	17894.3	17382.2	16904.0	16534.2	16344.9
-50°	15738.3	16028.2	16239.8	16309.9	16239.8	16028.2	15738.3	15435.2	15081.4	14730.3	14549.7
-52.5°	14311.0	14502.7	14622.6	14671.7	14622.6	14502.7	14311.0	14067.8	13819.8	13591.5	13403.6
-55°	13297.8	13564.0	13738.6	13807.0	13738.6	13564.0	13297.8	12974.6	12684.9	12436.3	12137.0
-57.5°	12304.6	12495.4	12614.5	12655.7	12614.5	12495.4	12304.6	12017.6	11642.8	11227.8	10832.5
-60°	11093.3	11237.9	11301.8	11285.9	11301.8	11237.9	11093.3	10914.9	10678.8	10365.7	10000.5
-62.5°	10158.9	10262.8	10348.7	10371.2	10348.7	10262.8	10158.9	10030.9	9854.7	9656.6	9355.8
-65°	9090.8	9166.3	9253.3	9301.7	9253.3	9166.3	9090.8	8980.5	8845.7	8678.8	8413.8
-67.5°	7937.7	7999.1	8044.2	8068.5	8044.2	7999.1	7937.7	7839.9	7715.2	7562.6	7281.2
-70°	7506.6	7569.7	7515.2	7426.8	7515.2	7569.7	7506.6	7401.6	7218.4	6879.9	6353.0
-72.5°	5459.0	5335.6	5319.3	5328.9	5319.3	5335.6	5459.0	5760.3	6060.5	5992.1	5469.7
-75°	4084.2	4114.2	4155.7	4168.5	4155.7	4114.2	4084.2	4086.3	4162.0	4194.1	4049.7
-77.5°	3217.5	3237.5	3262.1	3281.1	3262.1	3237.5	3217.5	3192.4	3155.2	3087.9	2993.2
-80°	2449.1	2464.2	2472.7	2475.6	2472.7	2464.2	2449.1	2412.5	2383.0	2335.9	2264.5
-82.5°	1765.6	1775.7	1773.4	1774.8	1773.4	1775.7	1765.6	1746.2	1729.8	1697.3	1656.2
-85°	1244.6	1247.2	1254.9	1256.0	1254.9	1247.2	1244.6	1230.8	1211.7	1192.5	1159.3
-87.5°	750.1	760.5	764.1	764.5	764.1	760.5	750.1	743.5	721.3	709.1	683.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	170.5	167.9	158.8	158.0	145.2	129.2	116.8	108.3	104.6	100.6	96.5
85°	1042.4	1018.6	957.0	864.6	731.2	584.7	472.3	411.8	358.0	319.9	283.4
82.5°	3355.4	3202.4	2990.3	2678.3	2227.6	1795.3	1512.9	1318.9	1143.5	917.1	712.6
80°	7699.3	7741.3	7627.0	7078.9	6065.1	4911.8	3882.5	3185.7	2820.5	2301.7	1705.2
77.5°	15788.2	16561.5	16909.3	16491.7	15370.6	13836.4	11429.7	8384.0	6555.3	5174.1	3827.8
75°	35989.5	37418.0	37328.9	35406.9	32811.3	30608.6	28163.8	23844.0	18516.2	13769.0	9594.4
72.5°	76879.9	74613.4	70475.9	64698.7	58695.4	53934.9	50799.2	47389.0	40628.6	31868.4	22866.2
70°	108391.9	103164.2	97828.2	90545.0	82595.4	75763.3	70991.0	66773.9	60412.7	52735.0	44073.4
67.5°	119578.1	114614.3	108952.0	101997.5	93600.4	86951.4	81997.7	76540.6	70765.7	64015.4	54510.9
65°	115279.4	111630.1	106245.6	100348.4	94393.3	89011.4	84547.1	80456.0	75613.3	68894.7	60730.5
62.5°	107710.5	105069.9	100959.6	97187.5	92776.5	88579.4	86045.9	82822.5	78589.5	73773.4	65657.4
60°	94234.4	93531.3	91338.9	88698.1	85991.6	83942.0	82457.9	80440.2	77819.0	73620.2	67713.1
57.5°	79808.8	80435.5	80007.4	78950.4	77612.1	76751.8	76644.3	75778.7	74049.6	71123.8	66721.0
55°	66871.3	67609.1	68809.5	69664.1	69654.6	69494.4	70247.9	70572.9	70049.1	67903.6	64586.8
52.5°	58293.4	59535.5	60869.6	61662.6	62386.6	63209.4	63818.0	65281.1	65224.1	64446.3	61878.6
50°	52929.3	53940.8	55625.9	56886.0	58064.2	58886.1	60257.9	61438.2	62482.2	61740.4	60143.9
47.5°	48713.9	49841.4	51323.8	53288.2	54512.6	56176.8	57577.7	59134.0	60544.1	60848.4	59969.6
45°	47403.1	48620.8	50212.3	52306.0	54018.4	55553.9	57223.6	58771.6	60477.8	61702.6	61273.9
42.5°	48248.2	48892.2	50891.2	52398.8	54723.1	56023.6	57560.8	59714.4	61028.8	62246.1	62572.1
40°	44510.6	45390.6	46653.7	48437.9	50278.3	52232.4	53929.0	55790.1	57868.3	59707.4	60582.2
37.5°	39619.9	40644.3	41447.3	43070.3	44843.1	46288.3	48031.4	49962.7	51862.9	53594.3	55560.5
35°	37012.4	37780.9	38680.4	39989.8	41595.8	43142.0	44542.3	46170.5	48032.4	49875.2	51704.1
32.5°	34722.9	35469.6	36334.4	37460.6	39034.7	40592.5	41958.9	43462.5	45257.1	47148.8	49109.0
30°	32586.9	33299.3	34146.0	35180.5	36624.8	38171.7	39539.5	40919.3	42627.6	44512.4	46487.7
27.5°	30587.4	31275.2	32069.4	33043.3	34386.7	35817.3	37175.6	38488.2	40093.3	41940.9	43928.3
25°	28778.5	29418.1	30140.1	31062.6	32260.9	33612.0	34894.3	36123.9	37602.4	39452.3	41363.8
22.5°	27163.2	27748.3	28402.5	29244.4	30318.2	31554.2	32782.2	33926.3	35344.2	37093.2	38970.3
20°	25839.5	26321.3	26886.4	27603.4	28550.6	29607.9	30807.3	31834.1	33159.4	34848.0	36786.8
17.5°	24806.6	25216.3	25609.3	26216.3	26963.9	27936.7	29027.9	30094.8	31311.0	32916.3	34814.5
15°	24101.1	24385.6	24685.1	25108.0	25732.0	26562.0	27580.0	28580.0	29703.5	31291.1	33089.1
12.5°	23536.4	23692.8	23931.1	24208.4	24737.6	25520.6	26464.6	27411.1	28450.8	29916.0	31563.0
10°	22949.5	23075.4	23326.3	23592.5	24035.7	24688.3	25574.4	26459.2	27420.4	28716.5	30149.6
7.5°	22309.0	22448.6	22667.3	22975.9	23443.2	24064.3	24898.6	25625.9	26444.7	27536.4	28687.7
5°	21784.0	21820.8	21933.8	22221.6	22681.7	23376.0	24145.2	24758.6	25404.5	26249.6	27073.5
2.5°	21427.7	21347.2	21323.6	21460.6	21819.3	22443.7	23088.8	23625.2	24110.4	24667.6	25165.2
0°	21279.3	21033.6	20851.6	20819.7	20988.1	21397.6	21825.5	22144.0	22371.5	22621.8	22744.7
-2.5°	21164.2	20848.6	20550.5	20369.6	20326.5	20436.8	20579.9	20576.8	20471.1	20301.7	20055.2
-5°	21018.1	20650.7	20273.9	19955.5	19674.3	19417.6	19155.0	18776.3	18293.9	17732.4	17128.4
-7.5°	20849.1	20358.5	19799.1	19220.8	18593.0	17911.1	17198.7	16395.2	15649.1	14896.4	14071.8
-10°	20384.6	19679.0	18874.2	17992.1	16996.8	15963.5	15014.1	14111.1	13428.5	12689.9	11857.8
-12.5°	19310.7	18408.5	17400.6	16397.8	15304.9	14329.0	13500.8	12814.7	12244.6	11686.5	11006.2
-15°	17815.7	16957.5	16116.1	15304.7	14387.7	13512.4	12807.1	12254.3	11807.9	11395.3	10799.9
-17.5°	16804.1	16241.5	15764.3	15249.6	14523.7	13761.8	13129.9	12555.7	12008.7	11575.5	10961.3
-20°	17214.3	17247.6	17438.6	17122.8	16192.5	15243.9	14375.9	13582.0	12854.9	12167.6	11366.1



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19150.3	19608.2	19765.2	19117.5	17951.3	16763.1	15642.6	14623.4	13667.1	12820.6	11867.2
-25°	20920.3	21408.2	21370.7	20517.0	19316.2	18152.6	16992.5	15852.8	14739.3	13708.1	12544.0
-27.5°	22925.5	23338.6	23102.9	22072.7	20923.6	19735.4	18522.7	17272.8	15993.7	14792.7	13418.6
-30°	24405.8	24647.0	24222.6	23250.5	22183.1	21015.7	19801.2	18503.3	17127.4	15817.8	14267.4
-32.5°	24222.0	24340.7	23892.3	23268.6	22504.4	21588.9	20533.8	19285.9	17868.8	16514.3	14913.0
-35°	22910.4	23048.1	22829.8	22511.0	21988.8	21293.6	20530.9	19433.5	18283.5	16983.3	15403.0
-37.5°	22031.3	22128.5	21973.4	21769.1	21313.2	20705.2	20010.1	19191.1	18271.3	17082.4	15576.9
-40°	21658.9	21495.1	21447.1	21141.2	20777.3	20252.5	19555.2	18820.9	17988.0	16799.5	15452.5
-42.5°	20324.7	20222.9	20188.4	19980.5	19735.5	19317.3	18812.5	18193.7	17296.6	16146.8	14925.1
-45°	18307.2	18403.8	18456.6	18422.6	18301.1	18072.2	17657.6	16972.1	16142.0	15165.3	14063.3
-47.5°	16336.1	16469.4	16631.6	16777.9	16825.2	16647.4	16207.0	15596.0	14909.8	14040.9	13185.7
-50°	14595.5	14718.8	14966.2	15300.0	15483.4	15555.1	15199.5	14683.4	14069.1	13368.0	12415.9
-52.5°	13324.3	13429.7	13598.6	14001.6	14346.1	14271.7	14172.7	13601.5	13149.9	12381.3	11452.6
-55°	11860.2	11744.0	11772.6	11689.9	11791.0	11793.8	11568.8	11376.7	10913.5	10545.1	9797.2
-57.5°	10494.9	10278.6	10163.8	9919.9	9628.6	9511.4	9219.3	9167.2	9072.0	8742.6	8168.7
-60°	9669.6	9464.5	9251.8	8928.3	8579.3	8286.5	8090.6	8054.2	8006.5	7543.7	6553.1
-62.5°	8966.1	8619.3	8357.4	8082.5	7729.0	7392.9	7182.8	6973.4	6532.3	5813.6	5307.7
-65°	8044.2	7726.4	7468.8	7200.2	6855.2	6485.9	6109.2	5740.8	5396.1	4999.8	4500.8
-67.5°	6965.0	6681.0	6398.7	6116.3	5804.0	5457.4	5137.9	4842.7	4527.0	4174.5	3745.0
-70°	5802.6	5469.9	5230.7	4985.8	4695.1	4404.1	4139.9	3891.5	3641.9	3355.6	2978.5
-72.5°	4780.9	4321.0	4094.6	3900.9	3693.2	3479.0	3262.4	3052.8	2851.5	2610.0	2317.5
-75°	3726.4	3431.9	3247.5	3089.8	2916.8	2731.8	2547.3	2375.1	2218.5	2038.1	1846.3
-77.5°	2866.7	2708.8	2572.3	2446.8	2316.6	2174.0	2035.1	1895.6	1771.4	1618.5	1472.3
-80°	2175.1	2073.9	1990.2	1884.4	1789.8	1684.0	1579.8	1478.2	1374.5	1261.1	1145.9
-82.5°	1590.5	1518.9	1462.7	1392.1	1331.9	1248.9	1163.8	1100.0	1007.7	940.3	857.7
-85°	1104.0	1073.1	1037.7	1003.5	947.5	894.0	814.9	747.7	682.5	641.4	597.4
-87.5°	664.1	637.8	599.1	560.5	540.9	502.5	454.2	420.3	383.2	348.6	313.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	92.2	87.7	83.1	78.3	73.3	68.2	63.0	57.7	52.2	46.7	41.0
85°	259.5	241.1	213.3	191.7	171.5	154.3	134.3	118.3	104.4	93.3	82.0
82.5°	583.4	502.4	421.8	354.0	295.1	266.4	228.4	204.4	179.9	155.0	129.6
80°	1185.6	897.4	731.0	616.0	526.5	449.2	371.1	307.2	257.5	224.3	190.1
77.5°	2387.2	1428.2	1158.3	965.9	810.5	669.2	557.4	477.5	396.1	312.7	249.8
75°	4953.3	2751.2	1874.2	1449.6	1144.5	982.1	823.8	669.2	549.0	446.8	341.1
72.5°	14974.1	8206.2	3754.1	2096.4	1657.8	1343.0	1109.8	916.7	738.7	577.7	449.3
70°	30433.4	16731.3	6853.9	3391.6	2200.2	1730.8	1436.3	1168.3	943.4	741.0	554.9
67.5°	42317.0	26712.0	12291.0	5115.0	2716.8	2140.3	1757.4	1435.6	1157.1	902.6	683.7
65°	50528.0	36570.3	19764.4	6919.1	3469.7	2556.6	2083.3	1697.6	1380.6	1072.0	812.3
62.5°	57013.1	44722.5	28332.9	12859.5	4890.9	3061.8	2414.8	1965.0	1604.2	1259.1	936.2
60°	60054.8	50023.3	36799.7	19120.2	7248.8	3815.1	2791.1	2249.4	1848.3	1440.9	1090.3
57.5°	59968.2	52051.1	40853.2	26282.3	11451.1	4692.0	3216.6	2573.4	2080.0	1635.9	1239.2
55°	58986.7	51757.2	43220.9	30638.8	15426.7	6497.4	3685.2	2882.3	2332.3	1827.3	1383.0
52.5°	57854.3	51619.4	43964.0	34294.5	20568.5	8333.4	4311.9	3251.7	2578.7	2010.4	1542.9
50°	56905.3	51911.6	45159.0	36711.2	25052.9	12101.0	5285.5	3587.7	2830.1	2219.4	1700.4
47.5°	57499.6	53113.3	47036.7	39132.4	28465.4	15764.1	6404.3	4035.1	3100.3	2418.4	1852.8
45°	59431.4	55664.5	49759.8	41598.9	31970.7	19477.6	8863.5	4432.8	3341.4	2607.3	2006.9
42.5°	61660.9	58225.7	52482.2	44273.4	34600.7	23465.0	10608.1	4925.5	3593.8	2798.6	2151.2
40°	60210.8	58037.8	53487.3	46135.0	36789.6	26382.7	13759.5	5993.6	3837.2	2971.6	2282.7
37.5°	56280.5	55239.5	51821.3	45792.2	37756.4	28578.5	16616.2	6596.5	4057.8	3125.8	2401.9
35°	52828.3	52407.8	50300.3	45548.6	38020.7	30360.4	18791.9	7531.7	4348.6	3279.1	2515.9
32.5°	50495.7	50502.4	49002.8	45336.2	39061.8	31276.9	20641.1	9329.5	4620.6	3431.1	2620.9
30°	48344.2	48759.2	48113.5	45477.0	40111.7	32506.7	22437.7	10345.9	4833.3	3562.2	2711.4
27.5°	45831.7	46725.0	46654.4	44942.1	40591.2	33582.1	23660.9	10761.8	4964.9	3671.0	2787.7
25°	43405.9	44657.3	45052.7	44121.1	40642.5	34100.7	24314.1	11930.1	5343.9	3764.0	2850.0
22.5°	41051.2	42574.6	43392.1	43250.6	40448.3	34494.2	24628.1	12534.0	5700.5	3864.9	2909.7
20°	38810.9	40671.1	41618.9	41679.4	39704.6	34379.0	24825.6	12838.9	5784.2	3942.3	2969.4
17.5°	36894.2	38871.2	39870.6	40063.2	38372.4	33510.6	24356.4	12566.7	5714.8	3997.7	3016.4
15°	35126.4	36989.1	37964.3	38321.7	36777.7	32027.2	23347.1	12087.7	5624.8	4024.1	3051.2
12.5°	33384.8	35034.6	35855.4	36121.6	34816.9	30337.3	22066.6	11642.2	5426.6	4030.3	3071.5
10°	31600.1	32931.3	33541.9	33608.3	32463.1	28223.7	20513.9	10968.6	5457.8	4021.4	3076.4
7.5°	29723.1	30706.1	30963.7	30873.9	29724.1	25809.0	18658.4	10221.0	5402.9	3994.2	3070.8
5°	27735.7	28303.5	28217.5	27842.3	26601.6	23071.2	16507.9	9228.4	5275.7	3962.5	3069.5
2.5°	25487.8	25626.4	25225.1	24571.0	23168.3	19885.9	14201.3	8411.0	5167.3	3918.3	3055.9
0°	22731.1	22498.9	21889.2	21006.3	19481.8	16437.3	11695.5	7436.0	5005.9	3859.0	3030.8
-2.5°	19641.5	19071.2	18235.6	17240.2	15774.0	13369.3	9956.0	6910.6	4906.2	3808.1	3005.8
-5°	16418.0	15675.5	14803.7	13868.7	12538.3	10626.7	8267.9	6366.7	4781.0	3745.0	2971.2
-7.5°	13406.3	12762.2	11943.4	11007.5	9991.7	8904.5	7435.0	6034.4	4672.6	3677.6	2927.8
-10°	11364.0	10749.9	9961.8	9466.3	8698.7	7774.7	6701.7	5751.9	4577.3	3620.9	2886.9
-12.5°	10443.5	9787.9	9236.7	8648.7	7857.3	7175.5	6369.3	5545.5	4485.2	3553.9	2839.1
-15°	10229.0	9601.0	8946.6	8252.8	7550.9	6863.8	6068.1	5366.8	4419.2	3482.3	2782.0
-17.5°	10306.2	9638.3	8888.8	8166.1	7367.3	6657.0	5864.6	5194.5	4323.7	3406.2	2715.0
-20°	10559.9	9751.2	8909.6	8115.2	7258.9	6540.7	5672.3	5026.9	4176.0	3318.9	2636.9



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	10895.9	9921.0	8989.4	8082.1	7198.0	6360.8	5542.3	4850.3	4000.5	3215.8	2547.7
-25°	11405.2	10232.4	9136.3	8156.0	7143.3	6231.4	5390.5	4647.3	3818.4	3094.2	2452.9
-27.5°	12049.4	10704.1	9453.9	8267.7	7218.1	6060.4	5225.3	4402.5	3647.5	2965.6	2356.8
-30°	12754.6	11223.6	9828.3	8469.3	7248.5	6002.9	4998.7	4204.9	3497.3	2837.1	2257.0
-32.5°	13311.4	11677.5	10128.4	8701.9	7349.4	5862.1	4805.7	4026.4	3340.0	2711.1	2154.2
-35°	13756.6	12025.8	10424.2	8957.1	7464.9	5788.3	4607.0	3840.5	3196.0	2576.9	2049.7
-37.5°	13975.0	12240.1	10665.5	9146.3	7520.8	5698.4	4421.1	3687.9	3048.9	2443.1	1942.7
-40°	13953.8	12320.4	10810.7	9267.4	7575.5	5547.4	4294.9	3518.0	2891.3	2321.1	1833.7
-42.5°	13604.7	12216.1	10724.2	9141.8	7372.3	5404.0	4083.8	3322.0	2720.4	2189.9	1720.3
-45°	12933.8	11671.8	10306.4	8815.9	7066.5	5180.4	3877.8	3130.5	2547.7	2049.6	1603.0
-47.5°	12108.0	10965.8	9805.7	8448.5	6762.2	4920.6	3661.7	2915.1	2379.5	1909.2	1490.0
-50°	11341.2	10399.6	9255.9	7965.2	6342.5	4573.8	3389.9	2684.4	2200.9	1757.7	1378.4
-52.5°	10489.2	9410.8	8407.0	7180.5	5632.8	4068.2	3050.3	2460.3	2010.0	1595.1	1260.7
-55°	8902.7	7993.9	6990.6	6009.5	4700.2	3508.8	2724.9	2212.9	1812.3	1451.4	1139.3
-57.5°	7196.4	6331.9	5456.2	4539.3	3761.8	2943.7	2403.8	1982.2	1612.8	1301.9	1030.5
-60°	5740.1	4910.6	4105.5	3573.9	2973.2	2516.6	2102.6	1743.3	1432.4	1151.6	917.7
-62.5°	4628.4	3934.7	3359.4	2880.2	2486.9	2132.0	1809.5	1527.9	1244.8	1016.7	802.1
-65°	3921.1	3317.3	2825.6	2410.7	2093.3	1790.8	1551.7	1312.5	1083.5	878.7	713.8
-67.5°	3241.4	2745.2	2357.0	2029.3	1744.9	1522.7	1311.7	1117.9	924.3	756.4	621.4
-70°	2594.0	2235.2	1923.4	1684.1	1463.2	1269.2	1103.1	930.6	780.0	643.5	527.9
-72.5°	2039.0	1811.1	1590.1	1378.1	1209.0	1052.5	900.7	776.4	650.9	532.0	449.9
-75°	1645.1	1473.7	1302.7	1136.1	978.4	860.2	752.4	637.6	533.8	450.0	372.9
-77.5°	1321.8	1182.7	1049.9	919.5	801.7	696.1	607.9	521.2	441.3	367.4	303.1
-80°	1034.8	931.5	824.9	721.2	634.3	549.2	480.3	411.0	348.9	290.3	243.8
-82.5°	778.6	706.4	617.3	544.0	477.6	409.0	354.9	306.3	261.5	214.3	183.7
-85°	534.8	484.0	419.1	369.5	330.3	285.2	232.7	201.9	173.4	139.9	122.8
-87.5°	281.0	248.4	218.6	189.1	171.0	147.6	115.5	100.9	87.0	70.0	61.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	35.3	29.5	23.7	17.8	11.9	6.0	0.0
85°	70.6	59.0	47.3	35.6	23.8	11.9	0.0
82.5°	105.7	88.4	70.9	53.3	35.6	17.8	0.0
80°	153.5	120.4	94.3	70.9	47.3	23.7	0.0
77.5°	202.1	159.1	120.4	88.4	59.0	29.5	0.0
75°	250.0	197.4	151.0	105.7	70.6	35.3	0.0
72.5°	327.3	235.3	181.2	126.7	82.0	41.0	0.0
70°	412.7	286.2	210.9	148.1	93.3	46.7	0.0
67.5°	495.1	350.2	240.0	169.1	104.4	52.2	0.0
65°	587.0	411.8	277.5	189.4	116.3	57.7	0.0
62.5°	690.1	470.9	321.7	209.0	128.7	63.0	0.0
60°	789.8	539.7	364.3	227.8	140.9	68.2	0.0
57.5°	885.9	621.4	405.1	246.8	152.8	73.3	0.0
55°	1008.6	700.6	444.2	275.4	164.3	78.3	0.0
52.5°	1129.4	777.1	485.4	303.1	175.5	83.1	0.0
50°	1246.1	848.4	541.2	329.8	186.4	87.7	0.0
47.5°	1360.4	936.7	594.1	355.5	196.8	92.2	0.0
45°	1480.1	1018.8	644.0	380.0	206.9	96.5	0.0
42.5°	1589.5	1094.3	690.3	403.4	216.5	100.6	0.0
40°	1686.3	1163.1	732.9	425.0	225.7	104.6	0.0
37.5°	1772.4	1225.1	771.8	444.5	234.4	108.3	0.0
35°	1859.3	1289.1	815.7	468.9	245.8	112.2	0.0
32.5°	1942.1	1350.7	859.1	494.0	257.4	116.1	0.0
30°	2015.6	1405.0	898.3	517.1	268.0	119.7	0.0
27.5°	2076.9	1452.1	935.0	538.1	277.9	123.0	0.0
25°	2127.6	1491.9	967.7	557.0	286.9	126.1	0.0
22.5°	2168.3	1525.4	996.0	573.9	295.1	128.9	0.0
20°	2201.3	1553.9	1020.1	588.5	302.3	131.4	0.0
17.5°	2233.3	1575.6	1039.8	601.2	308.6	133.7	0.0
15°	2258.9	1593.2	1055.4	611.4	314.1	135.6	0.0
12.5°	2275.3	1607.2	1065.6	619.1	318.6	137.3	0.0
10°	2282.9	1621.2	1071.4	624.5	322.2	138.6	0.0
7.5°	2295.1	1634.7	1073.2	627.5	324.9	139.7	0.0
5°	2303.0	1642.1	1071.1	628.3	326.7	140.4	0.0
2.5°	2302.4	1643.2	1065.3	626.9	327.6	140.9	0.0
0°	2293.6	1638.2	1055.8	623.5	327.7	141.1	0.0
-2.5°	2286.2	1634.9	1054.0	622.5	327.2	141.1	0.0
-5°	2271.1	1625.5	1048.8	619.5	325.9	140.8	0.0
-7.5°	2248.5	1610.1	1040.1	614.6	323.7	140.2	0.0
-10°	2218.0	1588.6	1027.9	607.8	320.7	139.4	0.0
-12.5°	2178.1	1559.3	1012.2	599.0	316.8	138.2	0.0
-15°	2130.3	1522.1	993.2	588.4	312.1	136.7	0.0
-17.5°	2074.7	1481.8	970.7	575.8	306.5	135.0	0.0
-20°	2011.6	1438.9	945.0	561.5	300.1	133.0	0.0



REPORT NUMBER: P902118 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1944.8	1391.9	916.0	545.9	292.9	130.7	0.0
-25°	1874.2	1342.8	883.7	528.6	284.9	128.1	0.0
-27.5°	1798.5	1290.8	848.3	509.6	276.1	125.3	0.0
-30°	1719.7	1235.1	810.2	489.1	266.6	122.2	0.0
-32.5°	1641.0	1176.0	772.5	467.1	256.9	118.9	0.0
-35°	1557.2	1113.5	732.2	443.7	246.5	115.3	0.0
-37.5°	1473.8	1053.5	693.2	421.2	236.5	111.6	0.0
-40°	1395.4	999.3	660.4	403.4	228.8	107.9	0.0
-42.5°	1313.4	940.9	625.4	385.0	220.8	104.0	0.0
-45°	1226.7	878.4	588.3	366.0	212.3	99.9	0.0
-47.5°	1135.6	812.0	549.1	345.8	203.4	95.6	0.0
-50°	1050.9	742.0	509.0	324.3	194.2	91.1	0.0
-52.5°	966.0	691.4	467.9	301.5	184.5	86.4	0.0
-55°	879.3	639.8	434.1	277.6	174.6	81.5	0.0
-57.5°	788.5	585.5	400.5	252.6	164.3	76.4	0.0
-60°	716.0	528.6	364.9	236.3	153.7	71.2	0.0
-62.5°	642.5	473.6	327.4	220.5	142.8	65.8	0.0
-65°	568.1	419.8	288.2	204.4	131.6	60.3	0.0
-67.5°	496.5	363.7	255.9	187.9	119.9	54.7	0.0
-70°	427.0	305.6	231.8	171.2	107.5	48.9	0.0
-72.5°	356.3	259.6	206.9	154.2	94.8	43.0	0.0
-75°	291.5	225.5	181.2	136.0	81.8	37.0	0.0
-77.5°	245.4	190.9	155.0	114.1	68.5	31.0	0.0
-80°	197.9	155.8	125.6	91.8	55.1	24.9	0.0
-82.5°	149.3	117.9	94.5	69.1	41.5	18.7	0.0
-85°	99.9	78.7	63.1	46.2	27.7	12.5	0.0
-87.5°	50.0	39.4	31.6	23.2	13.9	6.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)