

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: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/14/2024

Test Information

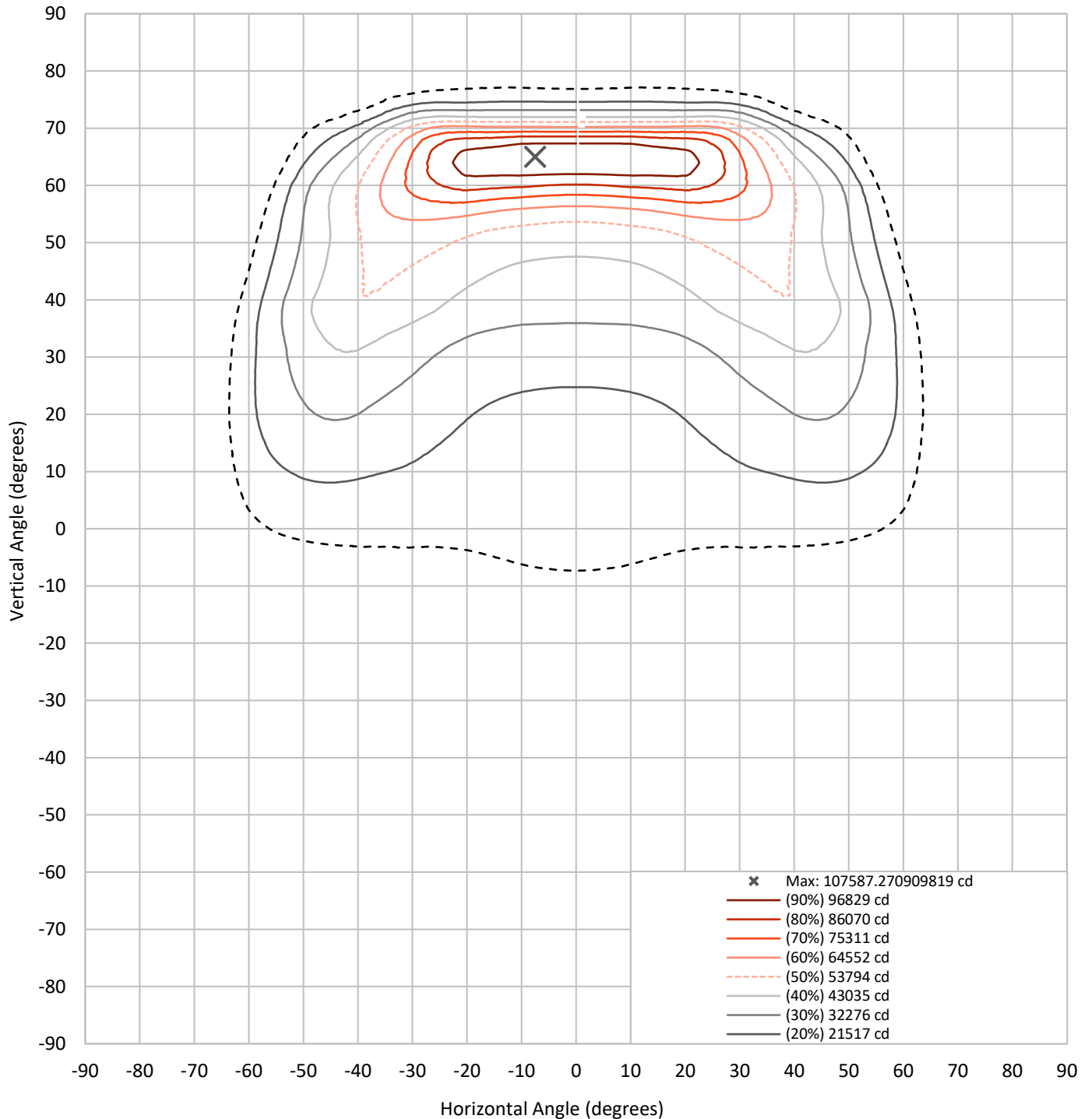
Test Method: LM-79-08
Report Number: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2K48900)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A65-WNB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A65-WNB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	99130.7 lumens	Max Intensity:	107587.3 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 65°V
Efficacy:	70.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	73.9°H x 17.8°V	Field Angle (10%):	105.1°H x 83.6°V
Beam Lumens:	33380.8 lumens	Field Lumens:	88066.7 lumens
Beam Efficiency:	33.7%	Field Efficiency:	88.8%
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		

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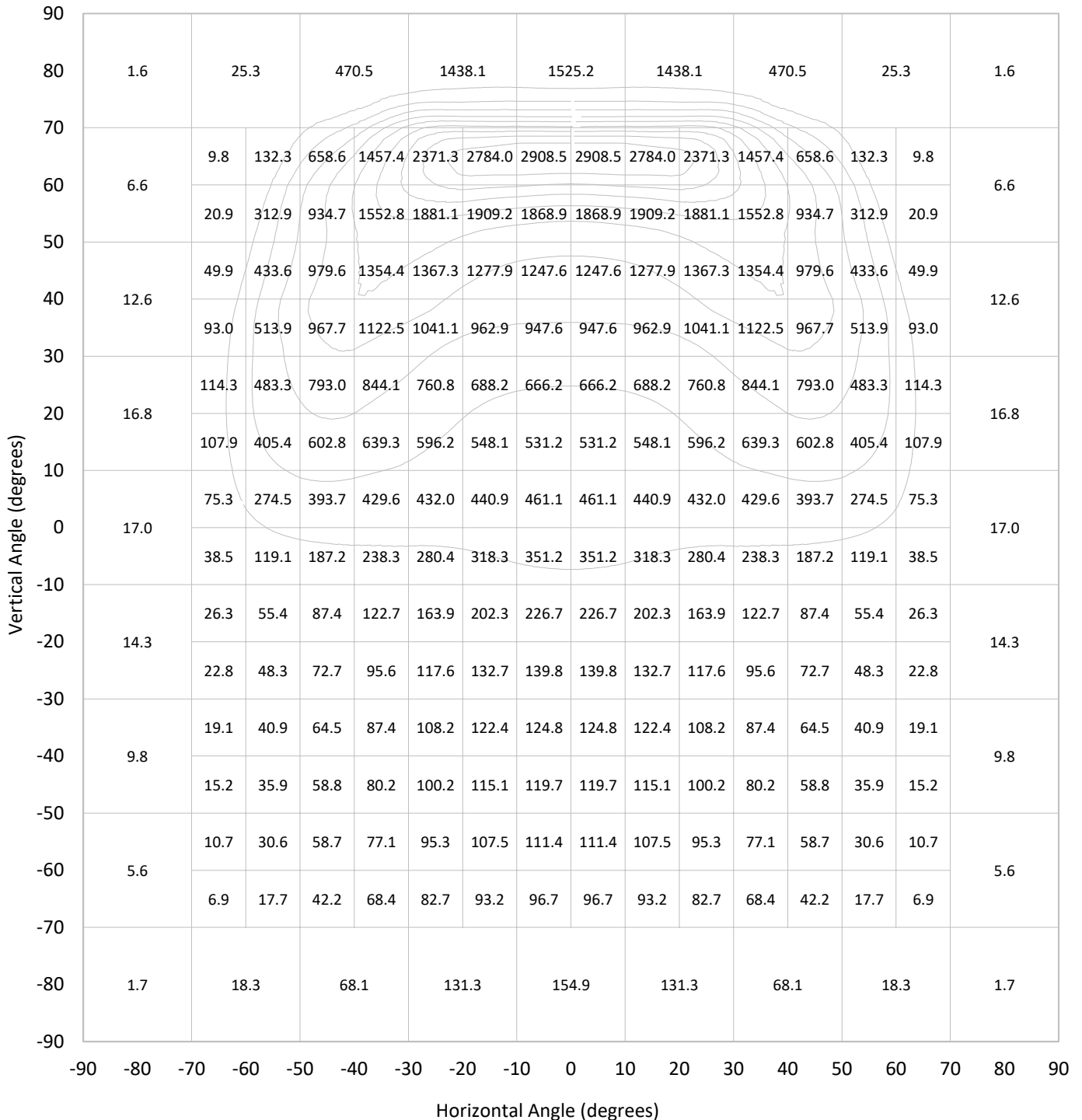
Iso-Candela Plot





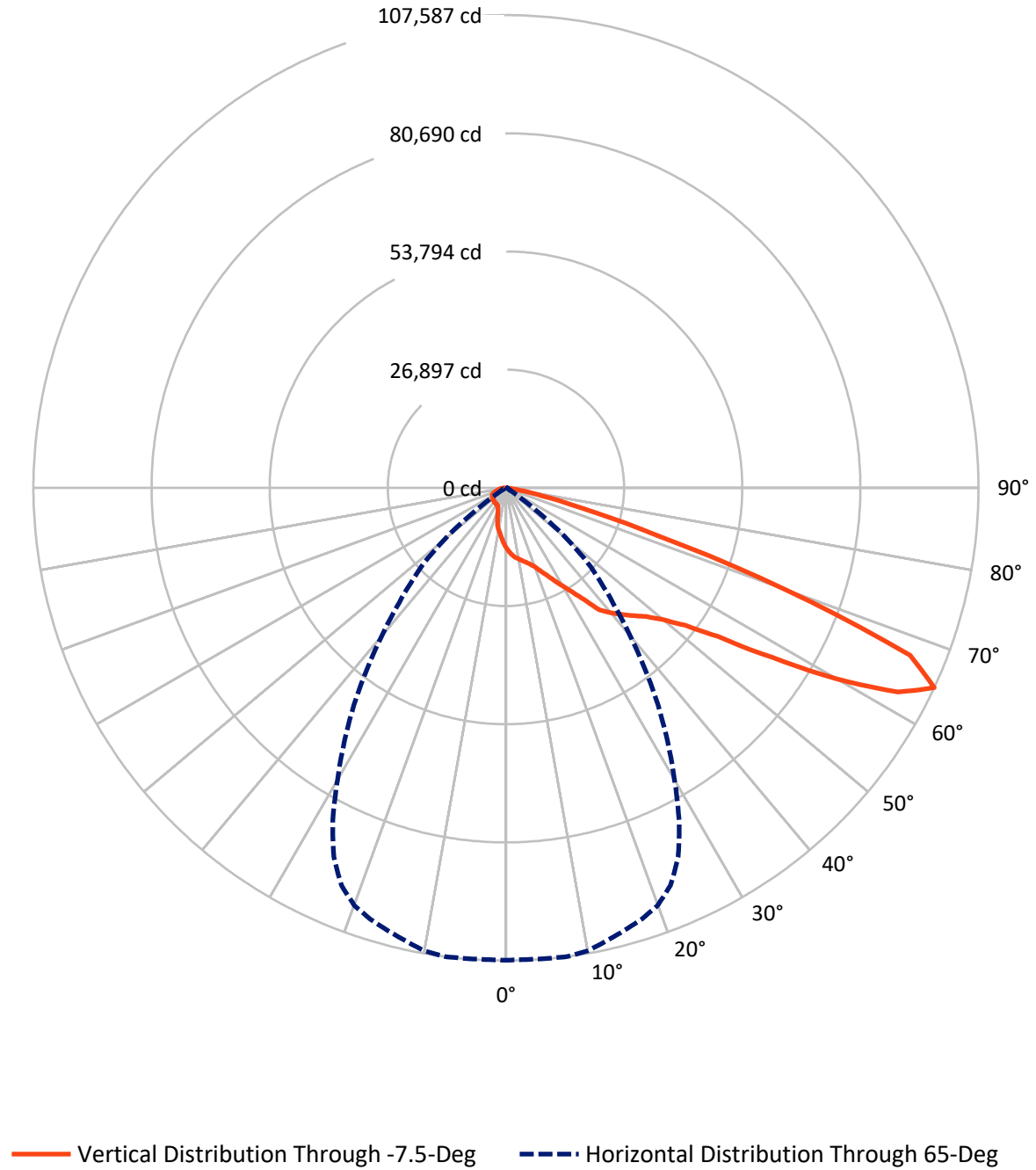
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Lumen Table



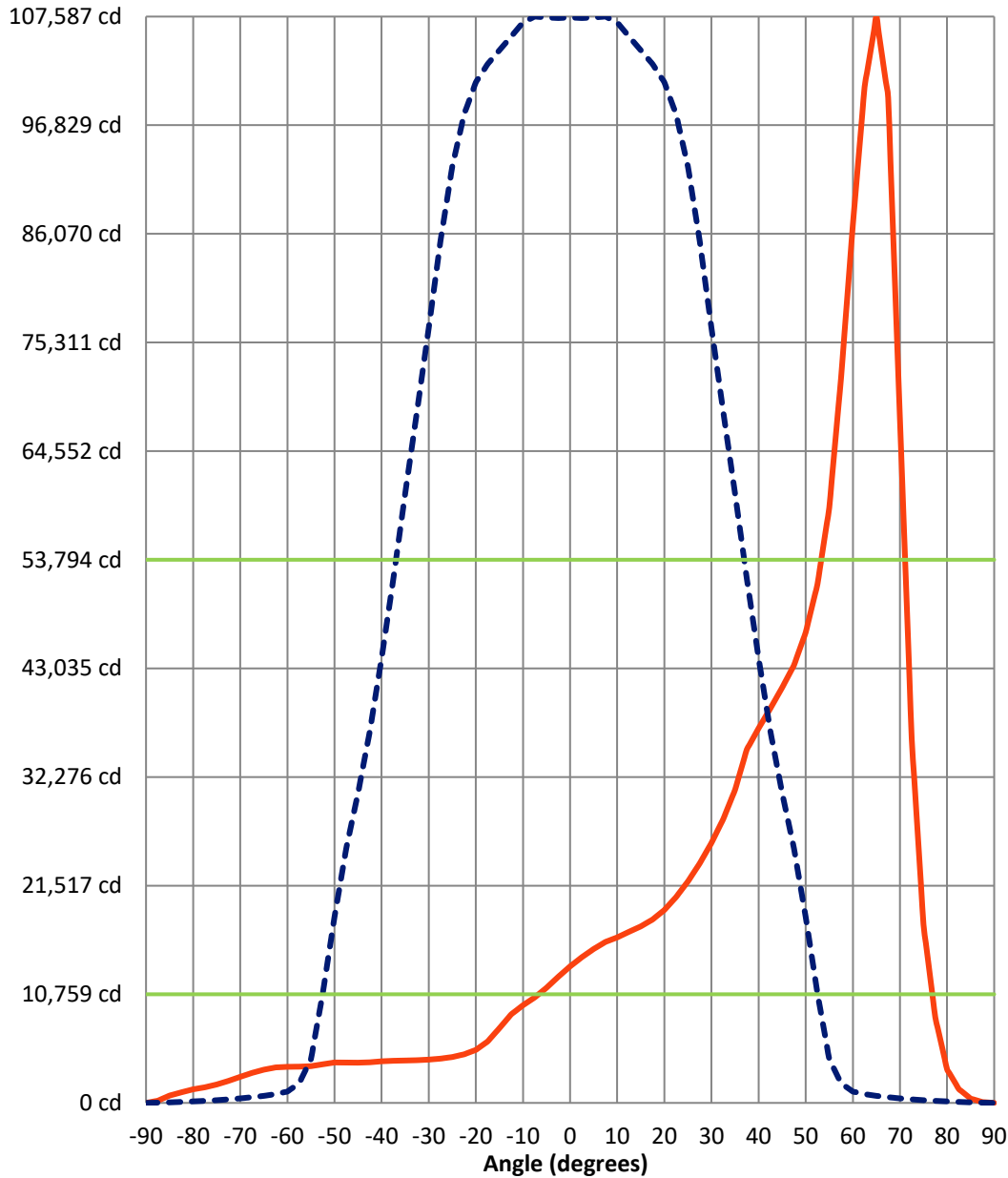
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 73.9°
 V Angle: 17.8°
 Lumens: 33380.8
 Efficiency: 33.7%

Field:
 H Angle: 105.1°
 V Angle: 83.6°
 Lumens: 88066.7
 Efficiency: 88.8%

Spill:
 Lumens: 11064.1
 Efficiency: 11.2%

— Vertical Distribution through -7.5-Deg
 - - - Horizontal Distribution through 65-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	2.8	5.6	8.3	11.1	13.8	16.5	19.2	21.8	24.4	26.9
85°	0.0	5.6	11.1	16.6	22.1	27.6	33.0	38.3	43.6	48.7	55.5
82.5°	0.0	8.3	16.6	24.9	33.1	41.3	49.4	62.8	74.1	86.3	98.6
80°	0.0	11.1	22.1	33.1	44.1	58.3	78.2	98.0	109.5	125.1	144.7
77.5°	0.0	13.8	27.6	41.3	58.2	83.4	108.3	132.9	149.0	175.3	203.3
75°	0.0	16.5	33.0	49.4	78.0	108.3	138.1	172.0	197.2	227.9	273.9
72.5°	0.0	19.2	38.3	61.7	97.3	132.9	170.7	213.1	245.2	303.1	376.1
70°	0.0	21.8	43.6	74.8	116.2	157.4	203.5	253.4	312.9	388.4	479.7
67.5°	0.0	24.4	48.7	87.4	134.6	181.4	235.1	302.7	379.9	476.2	589.0
65°	0.0	26.9	55.1	99.7	151.7	204.5	268.7	351.6	448.4	566.7	697.7
62.5°	0.0	29.4	62.4	111.4	167.3	226.4	304.2	398.2	522.3	654.7	808.3
60°	0.0	31.9	69.4	122.6	182.3	250.7	337.4	455.3	593.0	743.2	921.8
57.5°	0.0	34.2	76.3	133.2	196.5	278.6	368.2	509.7	665.2	828.6	1058.2
55°	0.0	36.6	83.0	143.1	209.8	306.1	415.1	562.8	736.2	936.2	1186.3
52.5°	0.0	38.8	89.5	152.6	223.9	332.9	460.4	622.3	805.0	1042.1	1350.1
50°	0.0	41.0	95.7	161.8	243.6	357.6	501.5	679.4	894.1	1149.9	1494.8
47.5°	0.0	43.1	101.7	170.6	262.4	387.4	539.4	732.8	979.7	1269.8	1803.3
45°	0.0	45.1	107.4	179.0	280.3	416.5	581.5	791.1	1057.7	1378.8	2080.5
42.5°	0.0	47.0	112.8	186.9	296.9	444.9	621.6	852.1	1142.9	1525.5	2409.6
40°	0.0	48.8	118.0	194.6	312.3	472.5	659.7	906.4	1222.7	1673.3	3232.6
37.5°	0.0	50.6	122.9	201.7	326.3	499.2	693.3	953.9	1296.7	1798.3	3748.2
35°	0.0	52.7	127.5	210.6	341.9	521.9	726.9	1001.8	1368.9	2004.7	4396.8
32.5°	0.0	54.9	131.7	219.7	356.9	541.2	760.0	1049.9	1438.4	2210.4	5462.2
30°	0.0	57.0	135.5	228.0	369.9	559.1	789.7	1093.5	1490.3	2341.4	6092.7
27.5°	0.0	58.9	138.9	235.4	381.9	575.7	816.3	1131.3	1540.0	2391.0	6385.2
25°	0.0	60.7	142.0	241.9	392.5	590.7	838.4	1163.2	1595.7	2624.9	6923.7
22.5°	0.0	62.3	144.6	247.6	401.5	604.2	855.7	1189.0	1657.3	2879.6	7182.0
20°	0.0	63.7	146.8	252.3	409.1	615.7	870.0	1213.5	1689.9	2939.3	7295.7
17.5°	0.0	65.0	148.6	256.6	415.1	624.8	884.4	1230.4	1712.0	2888.4	7125.5
15°	0.0	66.1	150.0	260.3	419.6	632.3	895.7	1244.2	1723.0	2805.9	6799.6
12.5°	0.0	67.0	151.0	263.3	424.6	638.2	903.0	1256.7	1721.0	2626.8	6406.2
10°	0.0	67.8	151.7	265.6	429.0	642.3	906.4	1262.6	1703.9	2603.8	5887.4
7.5°	0.0	68.4	152.0	267.2	432.1	644.8	909.0	1261.9	1674.2	2522.8	5311.1
5°	0.0	68.9	152.0	268.0	433.8	644.9	908.7	1253.8	1645.1	2390.5	4609.4
2.5°	0.0	69.1	151.7	268.0	434.1	642.7	904.8	1239.4	1612.2	2264.3	3986.1
0°	0.0	69.2	151.1	267.1	433.2	638.1	897.4	1219.6	1572.7	2104.3	3279.3
-2.5°	0.0	69.2	151.2	265.8	430.0	636.1	893.1	1211.9	1556.7	2021.8	2913.6
-5°	0.0	69.0	151.1	263.7	425.5	631.8	885.8	1199.4	1535.6	1932.4	2540.3
-7.5°	0.0	68.6	150.7	260.7	419.8	625.2	875.3	1182.2	1508.7	1858.2	2335.4
-10°	0.0	68.0	150.0	257.0	412.8	616.3	861.3	1154.7	1473.2	1793.9	2168.0
-12.5°	0.0	67.3	149.2	252.6	404.8	603.8	842.0	1123.7	1431.8	1733.5	2071.7
-15°	0.0	66.4	148.1	247.5	396.0	587.5	818.8	1091.5	1389.7	1696.3	2005.3
-17.5°	0.0	65.3	146.8	241.7	387.5	570.5	791.5	1058.1	1348.7	1654.1	1943.5
-20°	0.0	64.0	145.3	235.6	377.8	553.2	762.2	1020.3	1302.3	1595.5	1874.4



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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	62.6	143.5	229.4	367.1	534.6	737.7	977.7	1248.2	1526.6	1795.0
-25°	0.0	61.0	141.6	222.7	355.4	516.0	712.2	934.4	1190.1	1456.7	1727.7
-27.5°	0.0	59.2	139.6	215.3	342.6	496.4	684.1	893.8	1134.5	1393.7	1654.7
-30°	0.0	57.2	137.3	207.3	329.0	475.5	653.2	850.2	1079.6	1328.1	1586.9
-32.5°	0.0	55.1	134.8	198.7	314.9	453.1	620.5	803.7	1025.9	1263.6	1515.1
-35°	0.0	52.8	132.1	189.7	299.9	429.5	587.9	757.4	969.2	1206.6	1438.1
-37.5°	0.0	50.6	128.6	181.6	285.4	406.5	556.6	717.7	913.9	1143.5	1382.0
-40°	0.0	48.8	123.5	176.9	273.2	385.7	525.7	680.6	861.7	1072.0	1315.0
-42.5°	0.0	47.0	118.0	172.4	261.0	363.8	493.8	640.8	808.5	996.9	1231.1
-45°	0.0	45.1	112.1	168.2	248.8	340.7	461.9	598.5	754.6	925.5	1137.9
-47.5°	0.0	43.1	106.0	163.5	236.7	316.4	429.6	558.8	705.0	859.6	1046.0
-50°	0.0	41.0	99.6	158.3	223.7	291.2	400.2	519.9	651.7	789.1	957.9
-52.5°	0.0	38.8	92.9	152.5	210.2	274.9	369.1	478.4	597.7	726.3	876.0
-55°	0.0	36.6	85.9	146.2	199.5	259.6	335.9	435.4	548.6	663.6	789.5
-57.5°	0.0	34.2	78.6	139.3	189.0	244.3	302.6	400.3	498.6	598.6	717.2
-60°	0.0	31.9	71.1	128.0	178.0	228.9	286.7	365.5	449.3	541.0	646.2
-62.5°	0.0	29.4	63.4	115.9	166.7	214.2	269.1	329.2	405.3	484.3	585.3
-65°	0.0	26.9	55.5	103.2	155.0	199.6	249.9	302.4	360.9	436.4	523.0
-67.5°	0.0	24.4	48.7	90.0	139.6	184.3	229.0	274.6	324.2	387.7	462.1
-70°	0.0	21.8	43.6	76.4	120.1	168.4	206.3	245.9	292.0	344.4	404.5
-72.5°	0.0	19.2	38.3	62.4	100.0	146.2	182.3	218.1	259.1	307.1	358.0
-75°	0.0	16.5	33.0	49.4	79.5	118.0	154.8	190.4	225.8	269.8	315.3
-77.5°	0.0	13.8	27.6	41.3	58.7	89.1	119.3	156.6	191.2	234.1	271.7
-80°	0.0	11.1	22.1	33.1	44.1	59.6	83.5	111.9	142.4	191.2	226.5
-82.5°	0.0	8.3	16.6	24.9	33.1	41.3	49.4	66.4	87.5	118.5	147.9
-85°	0.0	5.6	11.1	16.6	22.1	27.6	33.0	38.3	43.6	48.7	60.3
-87.5°	0.0	2.8	5.6	8.3	11.1	13.8	16.5	19.2	21.8	24.4	26.9
-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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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°	29.4	31.9	34.2	36.6	38.8	41.0	43.1	45.1	50.3	52.3	39.9
85°	65.2	74.5	83.4	95.0	107.7	117.2	126.1	136.0	146.5	167.2	181.2
82.5°	117.9	133.3	147.1	173.5	200.1	224.1	245.8	272.1	300.1	337.9	411.8
80°	177.0	203.2	236.0	275.4	312.3	366.0	423.8	494.9	591.4	746.1	1021.0
77.5°	241.8	283.1	344.0	415.0	481.8	556.1	733.3	997.7	1378.4	1923.7	2655.6
75°	340.2	398.1	469.5	653.5	807.7	969.2	1401.3	2487.8	3257.9	4097.7	5593.5
72.5°	449.6	560.0	765.4	1033.8	1957.6	3603.8	5083.9	6711.7	9300.3	12089.1	15871.3
70°	590.8	748.9	1094.8	2057.1	4124.0	7828.3	12031.8	15991.9	19594.6	24276.5	31517.1
67.5°	726.1	938.2	1389.2	3171.9	6882.9	12807.5	18988.8	24121.5	29200.4	35762.6	45203.5
65°	869.8	1127.2	1947.8	4343.7	10840.3	18413.9	25224.1	30702.0	36820.4	44058.8	51941.5
62.5°	1020.5	1406.2	2891.2	7638.5	15577.4	24137.6	31027.5	37179.9	44064.9	49945.2	57189.3
60°	1197.6	1913.3	4401.4	11244.0	20869.3	28629.6	35584.2	41846.1	47583.9	53481.3	60069.2
57.5°	1423.5	2551.7	6865.6	15365.4	23817.0	31278.2	37850.2	43982.3	49010.4	54815.6	60983.2
55°	1679.4	3641.1	9201.8	17774.6	25598.7	32271.3	38469.1	43953.7	48810.1	54583.4	59781.7
52.5°	2034.0	4772.5	11830.5	19744.1	26333.1	32829.5	38327.0	42985.0	47977.9	53055.8	57453.5
50°	2722.6	6868.7	14189.2	21133.7	27701.1	33735.9	38620.1	43236.0	48055.9	53062.2	56091.7
47.5°	3450.8	8907.6	15955.5	22922.6	29426.4	34861.1	39552.8	44221.5	49050.2	52994.0	55474.9
45°	4873.1	10846.5	17888.4	24675.3	30772.0	36004.4	40590.1	45038.7	49768.1	53048.4	54885.5
42.5°	6005.6	13060.6	19829.6	26591.5	32587.2	37670.7	42239.2	46982.5	50862.8	53372.7	54451.6
40°	8020.4	15128.0	21859.4	28849.3	34897.3	39866.7	44452.0	48683.6	51856.2	53586.9	53654.9
37.5°	9948.0	16838.2	23463.9	30027.2	35903.9	40585.7	44964.7	48850.4	50879.0	51568.2	51012.5
35°	11250.1	18030.4	24173.2	30132.4	35119.1	39146.3	42908.1	45860.3	47435.1	47678.9	46624.8
32.5°	12107.3	18360.3	24022.3	29233.4	33709.5	37541.1	41013.5	43476.2	44518.5	44343.1	43075.0
30°	12864.3	18736.5	24130.7	28966.2	33111.8	36433.3	39756.4	41734.0	42381.5	41871.0	40381.6
27.5°	13440.0	19107.5	24273.2	28642.2	32275.1	35334.0	38189.4	39816.3	40126.4	39368.8	37809.6
25°	13665.3	19301.0	24160.5	28151.5	31262.7	34038.9	36534.8	37792.3	37896.8	36925.0	35336.2
22.5°	13682.0	19322.8	23877.4	27501.4	30114.5	32466.1	34567.6	35548.1	35528.8	34551.3	33054.6
20°	13625.3	19067.5	23268.4	26393.7	28737.7	30832.4	32478.3	33302.9	33198.3	32286.5	30850.7
17.5°	13278.3	18438.3	22315.7	25170.2	27234.9	29081.4	30399.8	30941.5	30738.9	29947.5	28754.6
15°	12645.5	17518.0	21182.2	23785.6	25542.1	27099.0	28127.7	28490.2	28273.6	27547.1	26579.0
12.5°	11819.5	16455.8	19833.8	22129.8	23648.5	24960.6	25784.0	26048.7	25815.2	25164.5	24394.2
10°	10848.7	15181.2	18277.1	20241.1	21588.0	22698.9	23345.9	23538.2	23300.6	22788.1	22152.7
7.5°	9725.1	13719.9	16514.1	18239.9	19418.8	20348.7	20834.6	21011.9	20811.3	20430.1	19917.8
5°	8457.1	12071.5	14575.1	16129.7	17186.5	17958.2	18347.4	18500.8	18354.8	18047.9	17659.1
2.5°	7069.9	10167.2	12413.6	13875.8	14866.2	15546.9	15895.4	15997.0	15883.5	15627.4	15292.9
0°	5576.5	8116.7	10079.0	11458.0	12401.3	13031.6	13380.6	13507.6	13457.1	13277.3	13015.7
-2.5°	4491.3	6239.0	7715.9	8850.3	9705.0	10332.8	10781.7	11077.5	11224.3	11267.6	11220.4
-5°	3446.2	4574.3	5673.9	6538.7	7205.3	7712.5	8158.6	8514.7	8857.9	9136.0	9371.8
-7.5°	2960.7	3557.9	4106.4	4625.7	5199.5	5609.6	5912.7	6154.9	6564.9	6947.3	7360.3
-10°	2548.2	2944.2	3399.4	3733.1	3930.4	4272.7	4522.2	4662.3	5030.6	5406.6	5792.5
-12.5°	2419.8	2689.7	2972.0	3287.1	3523.4	3690.7	3940.3	4150.5	4400.1	4668.7	4984.5
-15°	2306.6	2569.5	2840.9	3089.7	3331.7	3549.2	3763.8	3973.7	4181.4	4359.3	4601.1
-17.5°	2249.9	2485.4	2747.9	3011.5	3237.3	3458.7	3672.0	3882.9	4034.6	4112.0	4217.0
-20°	2186.2	2425.0	2675.1	2939.4	3168.5	3385.8	3599.7	3737.8	3822.6	3823.4	3895.9



REPORT NUMBER: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2105.2	2356.9	2604.7	2865.2	3097.0	3304.0	3469.6	3553.3	3585.6	3607.0	3748.9
-25°	2030.8	2276.5	2534.2	2775.9	3004.0	3174.6	3316.4	3371.6	3376.8	3507.9	3655.1
-27.5°	1964.7	2178.6	2458.7	2672.7	2882.0	3035.6	3142.5	3199.1	3308.1	3436.7	3588.4
-30°	1885.0	2126.5	2379.7	2556.0	2742.4	2890.9	2983.6	3128.9	3258.2	3378.7	3527.4
-32.5°	1793.5	2064.0	2288.6	2439.8	2584.5	2741.1	2899.6	3063.6	3204.6	3313.8	3445.7
-35°	1695.5	1979.7	2208.7	2322.9	2444.9	2630.2	2833.5	3011.9	3143.7	3263.1	3384.0
-37.5°	1618.8	1897.1	2105.9	2230.8	2346.7	2542.5	2762.9	2964.2	3097.6	3219.7	3335.2
-40°	1563.1	1821.8	2018.0	2144.3	2303.6	2477.3	2683.5	2884.5	3046.5	3152.8	3270.5
-42.5°	1481.0	1743.7	1939.0	2070.6	2250.3	2428.5	2612.2	2807.5	2972.3	3095.3	3208.2
-45°	1371.6	1648.7	1874.0	2045.7	2217.4	2383.7	2539.8	2722.1	2883.9	2996.1	3125.0
-47.5°	1267.9	1544.8	1788.5	2009.6	2214.6	2369.7	2521.3	2662.4	2792.0	2901.7	3011.1
-50°	1164.5	1424.8	1697.4	1968.4	2212.7	2354.6	2528.9	2657.7	2743.6	2837.9	2917.0
-52.5°	1045.1	1294.2	1568.2	1892.1	2215.7	2415.6	2592.7	2705.8	2783.6	2847.6	2901.2
-55°	941.4	1147.2	1421.6	1759.8	2129.2	2453.1	2671.3	2780.9	2853.9	2898.9	2948.4
-57.5°	845.8	1010.8	1243.3	1561.7	1915.1	2365.4	2659.0	2894.5	2954.6	2975.2	3027.4
-60°	761.8	897.4	1060.9	1301.8	1612.0	2028.1	2478.1	2761.1	3011.3	3122.3	3190.8
-62.5°	683.7	795.2	926.8	1099.0	1329.5	1669.1	2039.4	2395.2	2717.3	2924.3	3163.2
-65°	606.2	702.3	808.3	956.5	1132.5	1339.3	1642.2	1944.1	2192.1	2442.1	2702.6
-67.5°	528.4	615.6	700.8	830.5	969.4	1122.3	1325.2	1541.1	1742.6	1932.8	2119.2
-70°	468.2	533.7	615.7	720.4	829.1	957.5	1091.7	1234.3	1402.5	1539.7	1661.1
-72.5°	410.1	473.4	542.4	628.1	726.0	826.1	930.6	1041.8	1158.9	1269.7	1371.2
-75°	363.5	419.0	478.2	550.7	632.4	717.0	803.3	890.2	979.2	1066.4	1153.2
-77.5°	315.4	370.0	416.9	472.8	544.8	613.9	678.7	752.7	829.3	898.4	960.9
-80°	263.8	303.2	344.8	391.6	452.7	506.3	562.2	620.9	686.1	754.3	810.0
-82.5°	186.3	220.0	263.6	298.4	342.3	386.0	437.6	482.1	534.1	593.2	628.6
-85°	79.6	99.4	123.6	149.9	186.3	220.8	263.1	299.0	340.4	384.0	426.0
-87.5°	29.4	31.9	34.2	36.6	47.0	51.2	53.8	56.3	58.7	61.0	63.2
-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: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB-LTM

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°	44.2	50.8	57.1	67.4	77.0	82.3	82.5	84.0	85.5	86.5	84.8
85°	224.2	281.3	369.8	462.0	537.3	580.0	569.5	527.6	501.2	470.1	438.1
82.5°	562.4	789.9	1083.0	1447.2	1725.0	1908.9	1990.2	1905.0	1716.7	1536.9	1445.5
80°	1473.3	2008.8	2653.6	3376.5	3919.5	4261.3	4472.5	4531.4	4410.8	4026.2	3609.8
77.5°	3696.3	4868.4	5895.9	6884.2	7762.7	8403.4	8744.3	8827.3	8934.7	9041.4	8858.2
75°	8800.8	12166.8	14428.6	15681.7	16043.1	15919.5	16121.1	16772.6	17284.5	17684.8	17695.6
72.5°	21839.8	28336.7	33614.2	36960.7	37738.0	36772.4	36308.4	36205.5	36211.0	36213.0	36108.1
70°	40720.1	49458.8	57198.9	63807.1	68200.2	69191.4	68949.5	68170.4	67559.7	67556.9	67810.7
67.5°	55244.0	63467.3	71928.3	81116.2	87626.7	91168.6	93135.7	94144.6	95283.2	97504.6	99032.1
65°	60358.7	68460.9	76743.0	85391.4	92741.4	97887.4	101076.1	102880.6	104252.4	105610.5	107006.4
62.5°	64599.1	71622.6	79381.9	86406.4	91622.5	96288.4	99927.8	100876.1	100280.3	100458.4	100762.8
60°	66831.9	72582.5	77972.4	82388.9	85768.5	88728.0	90397.5	89765.3	88905.3	88350.4	87811.8
57.5°	66834.8	70451.6	73613.4	75657.3	76931.7	78033.0	77648.1	76070.9	74628.6	73583.5	72690.0
55°	64027.8	66034.4	67200.6	67501.6	67086.1	66186.1	65007.1	63331.6	61669.6	60301.1	59731.2
52.5°	59846.5	61080.0	60898.1	60442.7	59872.3	58527.9	56732.0	55186.7	53825.1	52903.3	52099.3
50°	58030.6	57958.4	57604.6	56564.4	55588.0	53623.6	51764.9	50298.4	48880.2	47854.2	47155.9
47.5°	56346.1	55960.0	54849.5	53820.1	52202.2	50062.0	48257.2	46662.2	45433.0	44545.4	43821.0
45°	55104.9	54198.9	53004.8	51591.5	49658.8	47490.8	45741.7	44337.1	43132.2	42179.9	41493.8
42.5°	53853.0	52583.1	51080.9	49378.1	47173.8	45041.9	43371.2	41996.1	40845.6	40073.0	39449.6
40°	52374.3	50547.5	48909.9	46822.5	44476.3	42546.4	40866.0	39603.6	38576.7	37722.5	37323.8
37.5°	49541.0	47736.0	45735.8	43741.6	41650.4	39613.4	38335.2	37043.8	36321.7	35518.6	35085.1
35°	44717.5	42866.7	41193.4	39082.5	36835.1	35438.6	34040.8	33032.4	32154.4	31721.2	31180.5
32.5°	41224.2	39543.5	37769.9	35693.4	33831.3	32322.2	31044.4	30025.3	29254.6	28720.7	28331.4
30°	38596.7	36955.0	35183.8	33202.7	31380.0	29916.1	28669.5	27640.6	26896.3	26375.8	26021.9
27.5°	36091.4	34532.3	32837.5	30911.2	29184.5	27783.0	26584.1	25602.1	24858.8	24288.2	23967.6
25°	33705.5	32347.4	30655.7	28886.6	27258.8	25933.2	24791.9	23798.8	23089.5	22575.7	22209.9
22.5°	31624.1	30328.2	28739.4	27068.1	25590.7	24350.2	23224.8	22293.3	21574.6	21038.7	20655.9
20°	29603.2	28446.6	27011.4	25468.3	24111.6	22937.3	21915.5	21016.3	20339.0	19800.4	19385.3
17.5°	27683.1	26676.7	25377.6	23997.3	22771.7	21758.1	20803.7	19993.8	19325.0	18812.8	18415.4
15°	25724.6	24903.4	23783.2	22603.6	21568.5	20675.0	19849.6	19104.7	18499.1	18058.1	17692.1
12.5°	23720.9	23046.7	22170.6	21144.8	20332.4	19576.2	18880.7	18252.2	17773.0	17375.9	17106.1
10°	21615.3	21117.6	20394.0	19626.9	18979.5	18371.5	17801.4	17349.4	16969.3	16698.5	16501.2
7.5°	19508.8	19078.9	18511.2	17881.4	17365.4	16953.5	16581.7	16286.4	16047.5	15943.7	15924.2
5°	17309.2	16939.8	16443.8	15951.6	15617.8	15377.5	15183.5	15058.7	15001.2	15047.1	15150.6
2.5°	14994.7	14708.3	14358.8	14038.9	13843.7	13757.9	13736.4	13767.4	13872.4	14021.3	14226.3
0°	12814.1	12673.9	12478.2	12278.4	12221.6	12256.1	12356.2	12540.6	12744.9	12976.5	13242.7
-2.5°	11187.7	11166.9	11076.2	10980.7	10974.2	11054.6	11184.9	11381.4	11632.8	11918.3	12220.1
-5°	9587.6	9821.6	9946.9	10004.5	10094.5	10196.6	10313.7	10466.4	10670.2	10925.6	11192.9
-7.5°	7860.0	8350.6	8734.8	9032.7	9309.2	9519.3	9659.0	9783.4	9935.0	10110.3	10308.4
-10°	6325.5	6867.5	7395.0	7866.8	8281.1	8622.2	8867.1	9053.5	9240.3	9393.6	9557.7
-12.5°	5337.9	5729.3	6126.9	6566.9	6981.0	7375.6	7693.6	7975.3	8204.7	8444.4	8659.8
-15°	4816.3	5068.2	5307.1	5554.9	5793.9	6009.2	6166.0	6578.7	6816.1	7062.8	7257.5
-17.5°	4289.1	4359.9	4456.0	4522.8	4654.5	4811.1	4984.9	5281.9	5527.0	5704.1	5920.6
-20°	3999.3	4141.0	4259.3	4370.3	4455.8	4541.0	4625.3	4716.0	4849.0	4992.4	5092.3



REPORT NUMBER: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB-LTM

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3926.1	4074.4	4194.0	4281.1	4351.8	4432.8	4510.4	4571.6	4638.4	4723.9	4747.9
-25°	3850.0	3994.7	4114.9	4191.3	4264.6	4329.8	4395.5	4458.7	4519.2	4508.4	4534.7
-27.5°	3745.7	3895.7	4023.1	4111.8	4174.3	4227.7	4291.7	4353.4	4407.0	4374.6	4402.5
-30°	3662.5	3792.2	3918.5	4027.3	4097.8	4143.6	4211.1	4280.1	4286.5	4296.9	4304.0
-32.5°	3577.6	3691.9	3800.5	3919.0	4012.9	4087.2	4162.0	4229.8	4206.7	4240.8	4245.2
-35°	3502.1	3597.9	3699.2	3807.6	3931.3	4018.6	4109.1	4155.1	4176.7	4203.0	4213.3
-37.5°	3445.6	3543.5	3646.1	3746.2	3832.9	3937.8	4036.1	4062.1	4126.5	4160.3	4188.3
-40°	3379.1	3479.3	3577.1	3680.9	3773.7	3864.5	3936.0	3961.5	4036.2	4082.4	4119.5
-42.5°	3316.6	3417.8	3511.1	3622.3	3719.1	3818.1	3857.4	3895.0	3940.2	3973.6	4013.8
-45°	3237.8	3340.7	3454.2	3558.7	3671.5	3750.5	3782.2	3847.8	3908.2	3957.4	3986.0
-47.5°	3118.1	3224.1	3333.1	3453.1	3560.4	3648.9	3716.0	3801.4	3877.6	3940.4	3980.0
-50°	3010.9	3112.6	3234.4	3358.1	3477.1	3583.4	3712.4	3832.7	3925.0	3971.9	3996.9
-52.5°	2940.3	3047.5	3162.2	3312.4	3464.9	3623.9	3760.7	3861.9	3914.8	3875.3	3847.7
-55°	3025.9	3132.5	3218.6	3352.1	3477.9	3573.5	3620.7	3638.2	3624.8	3600.5	3622.7
-57.5°	3136.4	3303.4	3396.2	3476.5	3450.3	3401.8	3388.8	3417.8	3452.6	3503.7	3549.4
-60°	3363.9	3466.6	3540.1	3537.7	3441.8	3378.5	3362.4	3411.5	3473.0	3507.1	3541.7
-62.5°	3379.7	3430.8	3442.8	3405.8	3346.6	3349.5	3412.2	3470.8	3477.7	3502.2	3513.0
-65°	2925.9	3003.8	3045.8	3066.1	3095.4	3138.2	3195.3	3248.9	3289.1	3308.5	3292.0
-67.5°	2294.9	2406.6	2505.6	2574.5	2652.5	2754.4	2843.7	2901.8	2945.9	2976.2	2966.5
-70°	1803.5	1918.4	2024.4	2123.2	2227.1	2328.1	2401.8	2479.4	2559.2	2606.5	2597.2
-72.5°	1480.3	1591.1	1687.0	1779.9	1863.7	1935.9	2020.6	2114.9	2192.6	2231.0	2216.4
-75°	1237.3	1330.6	1431.6	1508.0	1575.0	1637.6	1697.8	1757.5	1794.0	1807.6	1817.3
-77.5°	1045.0	1122.0	1205.9	1268.7	1314.8	1368.6	1411.7	1437.8	1469.6	1495.9	1519.7
-80°	873.1	936.2	1001.7	1062.9	1102.7	1151.6	1190.0	1241.7	1271.2	1301.1	1319.0
-82.5°	680.1	731.9	779.2	829.6	871.6	904.2	939.3	974.5	1001.0	1020.6	1031.5
-85°	464.3	511.3	549.1	581.6	602.9	625.8	648.8	668.8	690.6	706.4	719.2
-87.5°	73.0	97.0	114.3	127.7	139.0	151.0	161.5	175.3	202.1	208.7	214.9
-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: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB-LTM

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°	86.1	84.6	79.9	81.9	79.9	84.6	86.1	84.8	86.5	85.5	84.0
85°	431.4	408.2	380.7	373.2	380.7	408.2	431.4	438.1	470.1	501.2	527.6
82.5°	1372.1	1310.3	1257.3	1229.6	1257.3	1310.3	1372.1	1445.5	1536.9	1716.7	1905.0
80°	3339.6	3180.0	3090.3	3052.7	3090.3	3180.0	3339.6	3609.8	4026.2	4410.8	4531.4
77.5°	8479.8	8164.7	7980.7	7894.2	7980.7	8164.7	8479.8	8858.2	9041.4	8934.7	8827.3
75°	17669.3	17640.1	17602.6	17614.2	17602.6	17640.1	17669.3	17695.6	17684.8	17284.5	16772.6
72.5°	36065.6	35994.2	35954.0	35940.6	35954.0	35994.2	36065.6	36108.1	36213.0	36211.0	36205.5
70°	67713.4	67372.5	67127.6	67032.8	67127.6	67372.5	67713.4	67810.7	67556.9	67559.7	68170.4
67.5°	99551.7	99472.2	99432.3	99543.5	99432.3	99472.2	99551.7	99032.1	97504.6	95283.2	94144.6
65°	107587.3	107496.8	107440.9	107498.2	107440.9	107496.8	107587.3	107006.4	105610.5	104252.4	102880.6
62.5°	100618.9	100124.0	99838.5	99801.9	99838.5	100124.0	100618.9	100762.8	100458.4	100280.3	100876.1
60°	86924.5	85878.6	85265.1	85164.9	85265.1	85878.6	86924.5	87811.8	88350.4	88905.3	89765.3
57.5°	71789.9	70859.0	70277.9	70159.7	70277.9	70859.0	71789.9	72690.0	73583.5	74628.6	76070.9
55°	58945.5	58171.8	57703.7	57607.3	57703.7	58171.8	58945.5	59731.2	60301.1	61669.6	63331.6
52.5°	51373.9	50809.3	50525.4	50515.8	50525.4	50809.3	51373.9	52099.3	52903.3	53825.1	55186.7
50°	46597.4	46152.8	45892.0	45839.0	45892.0	46152.8	46597.4	47155.9	47854.2	48880.2	50298.4
47.5°	43334.7	43053.5	42887.0	42845.5	42887.0	43053.5	43334.7	43821.0	44545.4	45433.0	46662.2
45°	41128.9	40940.1	40758.9	40737.6	40758.9	40940.1	41128.9	41493.8	42179.9	43132.2	44337.1
42.5°	39070.6	38845.7	38705.7	38646.1	38705.7	38845.7	39070.6	39449.6	40073.0	40845.6	41996.1
40°	37099.0	36880.2	36708.3	36666.4	36708.3	36880.2	37099.0	37323.8	37722.5	38576.7	39603.6
37.5°	34994.8	34845.5	34664.9	34659.6	34664.9	34845.5	34994.8	35085.1	35518.6	36321.7	37043.8
35°	31000.8	30991.2	30873.9	30853.3	30873.9	30991.2	31000.8	31180.5	31721.2	32154.4	33032.4
32.5°	28110.0	27967.4	27837.2	27796.5	27837.2	27967.4	28110.0	28331.4	28720.7	29254.6	30025.3
30°	25753.1	25542.8	25402.1	25364.2	25402.1	25542.8	25753.1	26021.9	26375.8	26896.3	27640.6
27.5°	23714.6	23496.3	23368.2	23372.3	23368.2	23496.3	23714.6	23967.6	24288.2	24858.8	25602.1
25°	21931.5	21753.1	21635.0	21648.0	21635.0	21753.1	21931.5	22209.9	22575.7	23089.5	23798.8
22.5°	20391.4	20206.7	20089.2	20093.0	20089.2	20206.7	20391.4	20655.9	21038.7	21574.6	22293.3
20°	19106.0	18918.7	18820.9	18832.9	18820.9	18918.7	19106.0	19385.3	19800.4	20339.0	21016.3
17.5°	18162.7	17972.8	17915.0	17975.1	17915.0	17972.8	18162.7	18415.4	18812.8	19325.0	19993.8
15°	17482.8	17338.6	17324.3	17405.8	17324.3	17338.6	17482.8	17692.1	18058.1	18499.1	19104.7
12.5°	16947.0	16847.4	16860.6	16948.4	16860.6	16847.4	16947.0	17106.1	17375.9	17773.0	18252.2
10°	16393.0	16382.1	16421.5	16488.3	16421.5	16382.1	16393.0	16501.2	16698.5	16969.3	17349.4
7.5°	15941.8	15940.5	16038.5	16012.8	16038.5	15940.5	15941.8	15924.2	15943.7	16047.5	16286.4
5°	15243.5	15322.7	15370.2	15408.0	15370.2	15322.7	15243.5	15150.6	15047.1	15001.2	15058.7
2.5°	14432.1	14588.5	14672.3	14713.1	14672.3	14588.5	14432.1	14226.3	14021.3	13872.4	13767.4
0°	13521.7	13694.2	13809.3	13861.6	13809.3	13694.2	13521.7	13242.7	12976.5	12744.9	12540.6
-2.5°	12494.5	12667.1	12783.8	12835.9	12783.8	12667.1	12494.5	12220.1	11918.3	11632.8	11381.4
-5°	11408.3	11561.0	11650.0	11711.8	11650.0	11561.0	11408.3	11192.9	10925.6	10670.2	10466.4
-7.5°	10450.6	10562.0	10641.9	10668.4	10641.9	10562.0	10450.6	10308.4	10110.3	9935.0	9783.4
-10°	9672.1	9739.0	9786.6	9798.7	9786.6	9739.0	9672.1	9557.7	9393.6	9240.3	9053.5
-12.5°	8769.9	8858.1	8896.4	8911.8	8896.4	8858.1	8769.9	8659.8	8444.4	8204.7	7975.3
-15°	7401.7	7481.5	7548.1	7559.8	7548.1	7481.5	7401.7	7257.5	7062.8	6816.1	6578.7
-17.5°	6085.9	6119.6	6157.0	6172.2	6157.0	6119.6	6085.9	5920.6	5704.1	5527.0	5281.9
-20°	5253.7	5355.2	5422.1	5455.5	5422.1	5355.2	5253.7	5092.3	4992.4	4849.0	4716.0



REPORT NUMBER: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4812.4	4869.4	4894.2	4832.0	4894.2	4869.4	4812.4	4747.9	4723.9	4638.4	4571.6
-25°	4544.7	4551.9	4511.6	4387.0	4511.6	4551.9	4544.7	4534.7	4508.4	4519.2	4458.7
-27.5°	4386.0	4356.0	4294.7	4130.3	4294.7	4356.0	4386.0	4402.5	4374.6	4407.0	4353.4
-30°	4288.6	4245.1	4171.1	3993.8	4171.1	4245.1	4288.6	4304.0	4296.9	4286.5	4280.1
-32.5°	4229.3	4182.9	4101.1	3910.5	4101.1	4182.9	4229.3	4245.2	4240.8	4206.7	4229.8
-35°	4199.4	4149.4	4062.9	3867.3	4062.9	4149.4	4199.4	4213.3	4203.0	4176.7	4155.1
-37.5°	4173.7	4127.0	4043.9	3845.9	4043.9	4127.0	4173.7	4188.3	4160.3	4126.5	4062.1
-40°	4122.5	4077.8	3995.8	3809.9	3995.8	4077.8	4122.5	4119.5	4082.4	4036.2	3961.5
-42.5°	4023.8	3993.2	3919.8	3730.3	3919.8	3993.2	4023.8	4013.8	3973.6	3940.2	3895.0
-45°	3985.2	3946.4	3878.0	3691.6	3878.0	3946.4	3985.2	3986.0	3957.4	3908.2	3847.8
-47.5°	3996.7	3967.7	3905.8	3733.4	3905.8	3967.7	3996.7	3980.0	3940.4	3877.6	3801.4
-50°	4004.1	3986.8	3944.4	3795.3	3944.4	3986.8	4004.1	3996.9	3971.9	3925.0	3832.7
-52.5°	3827.6	3796.2	3737.7	3606.5	3737.7	3796.2	3827.6	3847.7	3875.3	3914.8	3861.9
-55°	3640.4	3641.3	3602.9	3489.5	3602.9	3641.3	3640.4	3622.7	3600.5	3624.8	3638.2
-57.5°	3591.4	3604.0	3580.4	3461.3	3580.4	3604.0	3591.4	3549.4	3503.7	3452.6	3417.8
-60°	3574.7	3578.6	3536.3	3409.4	3536.3	3578.6	3574.7	3541.7	3507.1	3473.0	3411.5
-62.5°	3515.2	3492.2	3435.7	3311.6	3435.7	3492.2	3515.2	3513.0	3502.2	3477.7	3470.8
-65°	3290.9	3287.2	3258.5	3177.4	3258.5	3287.2	3290.9	3292.0	3308.5	3289.1	3248.9
-67.5°	2974.2	2965.2	2969.4	2951.6	2969.4	2965.2	2974.2	2966.5	2976.2	2945.9	2901.8
-70°	2585.0	2601.1	2607.2	2610.3	2607.2	2601.1	2585.0	2597.2	2606.5	2559.2	2479.4
-72.5°	2181.5	2176.3	2180.5	2112.5	2180.5	2176.3	2181.5	2216.4	2231.0	2192.6	2114.9
-75°	1825.5	1835.0	1836.0	1818.5	1836.0	1835.0	1825.5	1817.3	1807.6	1794.0	1757.5
-77.5°	1548.6	1560.7	1560.6	1551.9	1560.6	1560.7	1548.6	1519.7	1495.9	1469.6	1437.8
-80°	1348.2	1356.9	1355.0	1352.5	1355.0	1356.9	1348.2	1319.0	1301.1	1271.2	1241.7
-82.5°	1049.0	1059.8	1060.1	1058.1	1060.1	1059.8	1049.0	1031.5	1020.6	1001.0	974.5
-85°	726.2	741.5	751.0	746.4	751.0	741.5	726.2	719.2	706.4	690.6	668.8
-87.5°	219.3	224.3	227.9	227.1	227.9	224.3	219.3	214.9	208.7	202.1	175.3
-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: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	82.5	82.3	77.0	67.4	57.1	50.8	44.2	39.9	52.3	50.3	45.1
85°	569.5	580.0	537.3	462.0	369.8	281.3	224.2	181.2	167.2	146.5	136.0
82.5°	1990.2	1908.9	1725.0	1447.2	1083.0	789.9	562.4	411.8	337.9	300.1	272.1
80°	4472.5	4261.3	3919.5	3376.5	2653.6	2008.8	1473.3	1021.0	746.1	591.4	494.9
77.5°	8744.3	8403.4	7762.7	6884.2	5895.9	4868.4	3696.3	2655.6	1923.7	1378.4	997.7
75°	16121.1	15919.5	16043.1	15681.7	14428.6	12166.8	8800.8	5593.5	4097.7	3257.9	2487.8
72.5°	36308.4	36772.4	37738.0	36960.7	33614.2	28336.7	21839.8	15871.3	12089.1	9300.3	6711.7
70°	68949.5	69191.4	68200.2	63807.1	57198.9	49458.8	40720.1	31517.1	24276.5	19594.6	15991.9
67.5°	93135.7	91168.6	87626.7	81116.2	71928.3	63467.3	55244.0	45203.5	35762.6	29200.4	24121.5
65°	101076.1	97887.4	92741.4	85391.4	76743.0	68460.9	60358.7	51941.5	44058.8	36820.4	30702.0
62.5°	99927.8	96288.4	91622.5	86406.4	79381.9	71622.6	64599.1	57189.3	49945.2	44064.9	37179.9
60°	90397.5	88728.0	85768.5	82388.9	77972.4	72582.5	66831.9	60069.2	53481.3	47583.9	41846.1
57.5°	77648.1	78033.0	76931.7	75657.3	73613.4	70451.6	66834.8	60983.2	54815.6	49010.4	43982.3
55°	65007.1	66186.1	67086.1	67501.6	67200.6	66034.4	64027.8	59781.7	54583.4	48810.1	43953.7
52.5°	56732.0	58527.9	59872.3	60442.7	60898.1	61080.0	59846.5	57453.5	53055.8	47977.9	42985.0
50°	51764.9	53623.6	55588.0	56564.4	57604.6	57958.4	58030.6	56091.7	53062.2	48055.9	43236.0
47.5°	48257.2	50062.0	52202.2	53820.1	54849.5	55960.0	56346.1	55474.9	52994.0	49050.2	44221.5
45°	45741.7	47490.8	49658.8	51591.5	53004.8	54198.9	55104.9	54885.5	53048.4	49768.1	45038.7
42.5°	43371.2	45041.9	47173.8	49378.1	51080.9	52583.1	53853.0	54451.6	53372.7	50862.8	46982.5
40°	40866.0	42546.4	44476.3	46822.5	48909.9	50547.5	52374.3	53654.9	53586.9	51856.2	48683.6
37.5°	38335.2	39613.4	41650.4	43741.6	45735.8	47736.0	49541.0	51012.5	51568.2	50879.0	48850.4
35°	34040.8	35438.6	36835.1	39082.5	41193.4	42866.7	44717.5	46624.8	47678.9	47435.1	45860.3
32.5°	31044.4	32322.2	33831.3	35693.4	37769.9	39543.5	41224.2	43075.0	44343.1	44518.5	43476.2
30°	28669.5	29916.1	31380.0	33202.7	35183.8	36955.0	38596.7	40381.6	41871.0	42381.5	41734.0
27.5°	26584.1	27783.0	29184.5	30911.2	32837.5	34532.3	36091.4	37809.6	39368.8	40126.4	39816.3
25°	24791.9	25933.2	27258.8	28886.6	30655.7	32347.4	33705.5	35336.2	36925.0	37896.8	37792.3
22.5°	23224.8	24350.2	25590.7	27068.1	28739.4	30328.2	31624.1	33054.6	34551.3	35528.8	35548.1
20°	21915.5	22937.3	24111.6	25468.3	27011.4	28446.6	29603.2	30850.7	32286.5	33198.3	33302.9
17.5°	20803.7	21758.1	22771.7	23997.3	25377.6	26676.7	27683.1	28754.6	29947.5	30738.9	30941.5
15°	19849.6	20675.0	21568.5	22603.6	23783.2	24903.4	25724.6	26579.0	27547.1	28273.6	28490.2
12.5°	18880.7	19576.2	20332.4	21144.8	22170.6	23046.7	23720.9	24394.2	25164.5	25815.2	26048.7
10°	17801.4	18371.5	18979.5	19626.9	20394.0	21117.6	21615.3	22152.7	22788.1	23300.6	23538.2
7.5°	16581.7	16953.5	17365.4	17881.4	18511.2	19078.9	19508.8	19917.8	20430.1	20811.3	21011.9
5°	15183.5	15377.5	15617.8	15951.6	16443.8	16939.8	17309.2	17659.1	18047.9	18354.8	18500.8
2.5°	13736.4	13757.9	13843.7	14038.9	14358.8	14708.3	14994.7	15292.9	15627.4	15883.5	15997.0
0°	12356.2	12256.1	12221.6	12278.4	12478.2	12673.9	12814.1	13015.7	13277.3	13457.1	13507.6
-2.5°	11184.9	11054.6	10974.2	10980.7	11076.2	11166.9	11187.7	11220.4	11267.6	11224.3	11077.5
-5°	10313.7	10196.6	10094.5	10004.5	9946.9	9821.6	9587.6	9371.8	9136.0	8857.9	8514.7
-7.5°	9659.0	9519.3	9309.2	9032.7	8734.8	8350.6	7860.0	7360.3	6947.3	6564.9	6154.9
-10°	8867.1	8622.2	8281.1	7866.8	7395.0	6867.5	6325.5	5792.5	5406.6	5030.6	4662.3
-12.5°	7693.6	7375.6	6981.0	6566.9	6126.9	5729.3	5337.9	4984.5	4668.7	4400.1	4150.5
-15°	6166.0	6009.2	5793.9	5554.9	5307.1	5068.2	4816.3	4601.1	4359.3	4181.4	3973.7
-17.5°	4984.9	4811.1	4654.5	4522.8	4456.0	4359.9	4289.1	4217.0	4112.0	4034.6	3882.9
-20°	4625.3	4541.0	4455.8	4370.3	4259.3	4141.0	3999.3	3895.9	3823.4	3822.6	3737.8



REPORT NUMBER: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB-LTM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4510.4	4432.8	4351.8	4281.1	4194.0	4074.4	3926.1	3748.9	3607.0	3585.6	3553.3
-25°	4395.5	4329.8	4264.6	4191.3	4114.9	3994.7	3850.0	3655.1	3507.9	3376.8	3371.6
-27.5°	4291.7	4227.7	4174.3	4111.8	4023.1	3895.7	3745.7	3588.4	3436.7	3308.1	3199.1
-30°	4211.1	4143.6	4097.8	4027.3	3918.5	3792.2	3662.5	3527.4	3378.7	3258.2	3128.9
-32.5°	4162.0	4087.2	4012.9	3919.0	3800.5	3691.9	3577.6	3445.7	3313.8	3204.6	3063.6
-35°	4109.1	4018.6	3931.3	3807.6	3699.2	3597.9	3502.1	3384.0	3263.1	3143.7	3011.9
-37.5°	4036.1	3937.8	3832.9	3746.2	3646.1	3543.5	3445.6	3335.2	3219.7	3097.6	2964.2
-40°	3936.0	3864.5	3773.7	3680.9	3577.1	3479.3	3379.1	3270.5	3152.8	3046.5	2884.5
-42.5°	3857.4	3818.1	3719.1	3622.3	3511.1	3417.8	3316.6	3208.2	3095.3	2972.3	2807.5
-45°	3782.2	3750.5	3671.5	3558.7	3454.2	3340.7	3237.8	3125.0	2996.1	2883.9	2722.1
-47.5°	3716.0	3648.9	3560.4	3453.1	3333.1	3224.1	3118.1	3011.1	2901.7	2792.0	2662.4
-50°	3712.4	3583.4	3477.1	3358.1	3234.4	3112.6	3010.9	2917.0	2837.9	2743.6	2657.7
-52.5°	3760.7	3623.9	3464.9	3312.4	3162.2	3047.5	2940.3	2901.2	2847.6	2783.6	2705.8
-55°	3620.7	3573.5	3477.9	3352.1	3218.6	3132.5	3025.9	2948.4	2898.9	2853.9	2780.9
-57.5°	3388.8	3401.8	3450.3	3476.5	3396.2	3303.4	3136.4	3027.4	2975.2	2954.6	2894.5
-60°	3362.4	3378.5	3441.8	3537.7	3540.1	3466.6	3363.9	3190.8	3122.3	3011.3	2761.1
-62.5°	3412.2	3349.5	3346.6	3405.8	3442.8	3430.8	3379.7	3163.2	2924.3	2717.3	2395.2
-65°	3195.3	3138.2	3095.4	3066.1	3045.8	3003.8	2925.9	2702.6	2442.1	2192.1	1944.1
-67.5°	2843.7	2754.4	2652.5	2574.5	2505.6	2406.6	2294.9	2119.2	1932.8	1742.6	1541.1
-70°	2401.8	2328.1	2227.1	2123.2	2024.4	1918.4	1803.5	1661.1	1539.7	1402.5	1234.3
-72.5°	2020.6	1935.9	1863.7	1779.9	1687.0	1591.1	1480.3	1371.2	1269.7	1158.9	1041.8
-75°	1697.8	1637.6	1575.0	1508.0	1431.6	1330.6	1237.3	1153.2	1066.4	979.2	890.2
-77.5°	1411.7	1368.6	1314.8	1268.7	1205.9	1122.0	1045.0	960.9	898.4	829.3	752.7
-80°	1190.0	1151.6	1102.7	1062.9	1001.7	936.2	873.1	810.0	754.3	686.1	620.9
-82.5°	939.3	904.2	871.6	829.6	779.2	731.9	680.1	628.6	593.2	534.1	482.1
-85°	648.8	625.8	602.9	581.6	549.1	511.3	464.3	426.0	384.0	340.4	299.0
-87.5°	161.5	151.0	139.0	127.7	114.3	97.0	73.0	63.2	61.0	58.7	56.3
-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: P902120 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB-LTM

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°	43.1	41.0	38.8	36.6	34.2	31.9	29.4	26.9	24.4	21.8	19.2
85°	126.1	117.2	107.7	95.0	83.4	74.5	65.2	55.5	48.7	43.6	38.3
82.5°	245.8	224.1	200.1	173.5	147.1	133.3	117.9	98.6	86.3	74.1	62.8
80°	423.8	366.0	312.3	275.4	236.0	203.2	177.0	144.7	125.1	109.5	98.0
77.5°	733.3	556.1	481.8	415.0	344.0	283.1	241.8	203.3	175.3	149.0	132.9
75°	1401.3	969.2	807.7	653.5	469.5	398.1	340.2	273.9	227.9	197.2	172.0
72.5°	5083.9	3603.8	1957.6	1033.8	765.4	560.0	449.6	376.1	303.1	245.2	213.1
70°	12031.8	7828.3	4124.0	2057.1	1094.8	748.9	590.8	479.7	388.4	312.9	253.4
67.5°	18988.8	12807.5	6882.9	3171.9	1389.2	938.2	726.1	589.0	476.2	379.9	302.7
65°	25224.1	18413.9	10840.3	4343.7	1947.8	1127.2	869.8	697.7	566.7	448.4	351.6
62.5°	31027.5	24137.6	15577.4	7638.5	2891.2	1406.2	1020.5	808.3	654.7	522.3	398.2
60°	35584.2	28629.6	20869.3	11244.0	4401.4	1913.3	1197.6	921.8	743.2	593.0	455.3
57.5°	37850.2	31278.2	23817.0	15365.4	6865.6	2551.7	1423.5	1058.2	828.6	665.2	509.7
55°	38469.1	32271.3	25598.7	17774.6	9201.8	3641.1	1679.4	1186.3	936.2	736.2	562.8
52.5°	38327.0	32829.5	26333.1	19744.1	11830.5	4772.5	2034.0	1350.1	1042.1	805.0	622.3
50°	38620.1	33735.9	27701.1	21133.7	14189.2	6868.7	2722.6	1494.8	1149.9	894.1	679.4
47.5°	39552.8	34861.1	29426.4	22922.6	15955.5	8907.6	3450.8	1803.3	1269.8	979.7	732.8
45°	40590.1	36004.4	30772.0	24675.3	17888.4	10846.5	4873.1	2080.5	1378.8	1057.7	791.1
42.5°	42239.2	37670.7	32587.2	26591.5	19829.6	13060.6	6005.6	2409.6	1525.5	1142.9	852.1
40°	44452.0	39866.7	34897.3	28849.3	21859.4	15128.0	8020.4	3232.6	1673.3	1222.7	906.4
37.5°	44964.7	40585.7	35903.9	30027.2	23463.9	16838.2	9948.0	3748.2	1798.3	1296.7	953.9
35°	42908.1	39146.3	35119.1	30132.4	24173.2	18030.4	11250.1	4396.8	2004.7	1368.9	1001.8
32.5°	41013.5	37541.1	33709.5	29233.4	24022.3	18360.3	12107.3	5462.2	2210.4	1438.4	1049.9
30°	39756.4	36433.3	33111.8	28966.2	24130.7	18736.5	12864.3	6092.7	2341.4	1490.3	1093.5
27.5°	38189.4	35334.0	32275.1	28642.2	24273.2	19107.5	13440.0	6385.2	2391.0	1540.0	1131.3
25°	36534.8	34038.9	31262.7	28151.5	24160.5	19301.0	13665.3	6923.7	2624.9	1595.7	1163.2
22.5°	34567.6	32466.1	30114.5	27501.4	23877.4	19322.8	13682.0	7182.0	2879.6	1657.3	1189.0
20°	32478.3	30832.4	28737.7	26393.7	23268.4	19067.5	13625.3	7295.7	2939.3	1689.9	1213.5
17.5°	30399.8	29081.4	27234.9	25170.2	22315.7	18438.3	13278.3	7125.5	2888.4	1712.0	1230.4
15°	28127.7	27099.0	25542.1	23785.6	21182.2	17518.0	12645.5	6799.6	2805.9	1723.0	1244.2
12.5°	25784.0	24960.6	23648.5	22129.8	19833.8	16455.8	11819.5	6406.2	2626.8	1721.0	1256.7
10°	23345.9	22698.9	21588.0	20241.1	18277.1	15181.2	10848.7	5887.4	2603.8	1703.9	1262.6
7.5°	20834.6	20348.7	19418.8	18239.9	16514.1	13719.9	9725.1	5311.1	2522.8	1674.2	1261.9
5°	18347.4	17958.2	17186.5	16129.7	14575.1	12071.5	8457.1	4609.4	2390.5	1645.1	1253.8
2.5°	15895.4	15546.9	14866.2	13875.8	12413.6	10167.2	7069.9	3986.1	2264.3	1612.2	1239.4
0°	13380.6	13031.6	12401.3	11458.0	10079.0	8116.7	5576.5	3279.3	2104.3	1572.7	1219.6
-2.5°	10781.7	10332.8	9705.0	8850.3	7715.9	6239.0	4491.3	2913.6	2021.8	1556.7	1211.9
-5°	8158.6	7712.5	7205.3	6538.7	5673.9	4574.3	3446.2	2540.3	1932.4	1535.6	1199.4
-7.5°	5912.7	5609.6	5199.5	4625.7	4106.4	3557.9	2960.7	2335.4	1858.2	1508.7	1182.2
-10°	4522.2	4272.7	3930.4	3733.1	3399.4	2944.2	2548.2	2168.0	1793.9	1473.2	1154.7
-12.5°	3940.3	3690.7	3523.4	3287.1	2972.0	2689.7	2419.8	2071.7	1733.5	1431.8	1123.7
-15°	3763.8	3549.2	3331.7	3089.7	2840.9	2569.5	2306.6	2005.3	1696.3	1389.7	1091.5
-17.5°	3672.0	3458.7	3237.3	3011.5	2747.9	2485.4	2249.9	1943.5	1654.1	1348.7	1058.1
-20°	3599.7	3385.8	3168.5	2939.4	2675.1	2425.0	2186.2	1874.4	1595.5	1302.3	1020.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3469.6	3304.0	3097.0	2865.2	2604.7	2356.9	2105.2	1795.0	1526.6	1248.2	977.7
-25°	3316.4	3174.6	3004.0	2775.9	2534.2	2276.5	2030.8	1727.7	1456.7	1190.1	934.4
-27.5°	3142.5	3035.6	2882.0	2672.7	2458.7	2178.6	1964.7	1654.7	1393.7	1134.5	893.8
-30°	2983.6	2890.9	2742.4	2556.0	2379.7	2126.5	1885.0	1586.9	1328.1	1079.6	850.2
-32.5°	2899.6	2741.1	2584.5	2439.8	2288.6	2064.0	1793.5	1515.1	1263.6	1025.9	803.7
-35°	2833.5	2630.2	2444.9	2322.9	2208.7	1979.7	1695.5	1438.1	1206.6	969.2	757.4
-37.5°	2762.9	2542.5	2346.7	2230.8	2105.9	1897.1	1618.8	1382.0	1143.5	913.9	717.7
-40°	2683.5	2477.3	2303.6	2144.3	2018.0	1821.8	1563.1	1315.0	1072.0	861.7	680.6
-42.5°	2612.2	2428.5	2250.3	2070.6	1939.0	1743.7	1481.0	1231.1	996.9	808.5	640.8
-45°	2539.8	2383.7	2217.4	2045.7	1874.0	1648.7	1371.6	1137.9	925.5	754.6	598.5
-47.5°	2521.3	2369.7	2214.6	2009.6	1788.5	1544.8	1267.9	1046.0	859.6	705.0	558.8
-50°	2528.9	2354.6	2212.7	1968.4	1697.4	1424.8	1164.5	957.9	789.1	651.7	519.9
-52.5°	2592.7	2415.6	2215.7	1892.1	1568.2	1294.2	1045.1	876.0	726.3	597.7	478.4
-55°	2671.3	2453.1	2129.2	1759.8	1421.6	1147.2	941.4	789.5	663.6	548.6	435.4
-57.5°	2659.0	2365.4	1915.1	1561.7	1243.3	1010.8	845.8	717.2	598.6	498.6	400.3
-60°	2478.1	2028.1	1612.0	1301.8	1060.9	897.4	761.8	646.2	541.0	449.3	365.5
-62.5°	2039.4	1669.1	1329.5	1099.0	926.8	795.2	683.7	585.3	484.3	405.3	329.2
-65°	1642.2	1339.3	1132.5	956.5	808.3	702.3	606.2	523.0	436.4	360.9	302.4
-67.5°	1325.2	1122.3	969.4	830.5	700.8	615.6	528.4	462.1	387.7	324.2	274.6
-70°	1091.7	957.5	829.1	720.4	615.7	533.7	468.2	404.5	344.4	292.0	245.9
-72.5°	930.6	826.1	726.0	628.1	542.4	473.4	410.1	358.0	307.1	259.1	218.1
-75°	803.3	717.0	632.4	550.7	478.2	419.0	363.5	315.3	269.8	225.8	190.4
-77.5°	678.7	613.9	544.8	472.8	416.9	370.0	315.4	271.7	234.1	191.2	156.6
-80°	562.2	506.3	452.7	391.6	344.8	303.2	263.8	226.5	191.2	142.4	111.9
-82.5°	437.6	386.0	342.3	298.4	263.6	220.0	186.3	147.9	118.5	87.5	66.4
-85°	263.1	220.8	186.3	149.9	123.6	99.4	79.6	60.3	48.7	43.6	38.3
-87.5°	53.8	51.2	47.0	36.6	34.2	31.9	29.4	26.9	24.4	21.8	19.2
-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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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°	16.5	13.8	11.1	8.3	5.6	2.8	0.0
85°	33.0	27.6	22.1	16.6	11.1	5.6	0.0
82.5°	49.4	41.3	33.1	24.9	16.6	8.3	0.0
80°	78.2	58.3	44.1	33.1	22.1	11.1	0.0
77.5°	108.3	83.4	58.2	41.3	27.6	13.8	0.0
75°	138.1	108.3	78.0	49.4	33.0	16.5	0.0
72.5°	170.7	132.9	97.3	61.7	38.3	19.2	0.0
70°	203.5	157.4	116.2	74.8	43.6	21.8	0.0
67.5°	235.1	181.4	134.6	87.4	48.7	24.4	0.0
65°	268.7	204.5	151.7	99.7	55.1	26.9	0.0
62.5°	304.2	226.4	167.3	111.4	62.4	29.4	0.0
60°	337.4	250.7	182.3	122.6	69.4	31.9	0.0
57.5°	368.2	278.6	196.5	133.2	76.3	34.2	0.0
55°	415.1	306.1	209.8	143.1	83.0	36.6	0.0
52.5°	460.4	332.9	223.9	152.6	89.5	38.8	0.0
50°	501.5	357.6	243.6	161.8	95.7	41.0	0.0
47.5°	539.4	387.4	262.4	170.6	101.7	43.1	0.0
45°	581.5	416.5	280.3	179.0	107.4	45.1	0.0
42.5°	621.6	444.9	296.9	186.9	112.8	47.0	0.0
40°	659.7	472.5	312.3	194.6	118.0	48.8	0.0
37.5°	693.3	499.2	326.3	201.7	122.9	50.6	0.0
35°	726.9	521.9	341.9	210.6	127.5	52.7	0.0
32.5°	760.0	541.2	356.9	219.7	131.7	54.9	0.0
30°	789.7	559.1	369.9	228.0	135.5	57.0	0.0
27.5°	816.3	575.7	381.9	235.4	138.9	58.9	0.0
25°	838.4	590.7	392.5	241.9	142.0	60.7	0.0
22.5°	855.7	604.2	401.5	247.6	144.6	62.3	0.0
20°	870.0	615.7	409.1	252.3	146.8	63.7	0.0
17.5°	884.4	624.8	415.1	256.6	148.6	65.0	0.0
15°	895.7	632.3	419.6	260.3	150.0	66.1	0.0
12.5°	903.0	638.2	424.6	263.3	151.0	67.0	0.0
10°	906.4	642.3	429.0	265.6	151.7	67.8	0.0
7.5°	909.0	644.8	432.1	267.2	152.0	68.4	0.0
5°	908.7	644.9	433.8	268.0	152.0	68.9	0.0
2.5°	904.8	642.7	434.1	268.0	151.7	69.1	0.0
0°	897.4	638.1	433.2	267.1	151.1	69.2	0.0
-2.5°	893.1	636.1	430.0	265.8	151.2	69.2	0.0
-5°	885.8	631.8	425.5	263.7	151.1	69.0	0.0
-7.5°	875.3	625.2	419.8	260.7	150.7	68.6	0.0
-10°	861.3	616.3	412.8	257.0	150.0	68.0	0.0
-12.5°	842.0	603.8	404.8	252.6	149.2	67.3	0.0
-15°	818.8	587.5	396.0	247.5	148.1	66.4	0.0
-17.5°	791.5	570.5	387.5	241.7	146.8	65.3	0.0
-20°	762.2	553.2	377.8	235.6	145.3	64.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	737.7	534.6	367.1	229.4	143.5	62.6	0.0
-25°	712.2	516.0	355.4	222.7	141.6	61.0	0.0
-27.5°	684.1	496.4	342.6	215.3	139.6	59.2	0.0
-30°	653.2	475.5	329.0	207.3	137.3	57.2	0.0
-32.5°	620.5	453.1	314.9	198.7	134.8	55.1	0.0
-35°	587.9	429.5	299.9	189.7	132.1	52.8	0.0
-37.5°	556.6	406.5	285.4	181.6	128.6	50.6	0.0
-40°	525.7	385.7	273.2	176.9	123.5	48.8	0.0
-42.5°	493.8	363.8	261.0	172.4	118.0	47.0	0.0
-45°	461.9	340.7	248.8	168.2	112.1	45.1	0.0
-47.5°	429.6	316.4	236.7	163.5	106.0	43.1	0.0
-50°	400.2	291.2	223.7	158.3	99.6	41.0	0.0
-52.5°	369.1	274.9	210.2	152.5	92.9	38.8	0.0
-55°	335.9	259.6	199.5	146.2	85.9	36.6	0.0
-57.5°	302.6	244.3	189.0	139.3	78.6	34.2	0.0
-60°	286.7	228.9	178.0	128.0	71.1	31.9	0.0
-62.5°	269.1	214.2	166.7	115.9	63.4	29.4	0.0
-65°	249.9	199.6	155.0	103.2	55.5	26.9	0.0
-67.5°	229.0	184.3	139.6	90.0	48.7	24.4	0.0
-70°	206.3	168.4	120.1	76.4	43.6	21.8	0.0
-72.5°	182.3	146.2	100.0	62.4	38.3	19.2	0.0
-75°	154.8	118.0	79.5	49.4	33.0	16.5	0.0
-77.5°	119.3	89.1	58.7	41.3	27.6	13.8	0.0
-80°	83.5	59.6	44.1	33.1	22.1	11.1	0.0
-82.5°	49.4	41.3	33.1	24.9	16.6	8.3	0.0
-85°	33.0	27.6	22.1	16.6	11.1	5.6	0.0
-87.5°	16.5	13.8	11.1	8.3	5.6	2.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)