

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: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/14/2024

Test Information

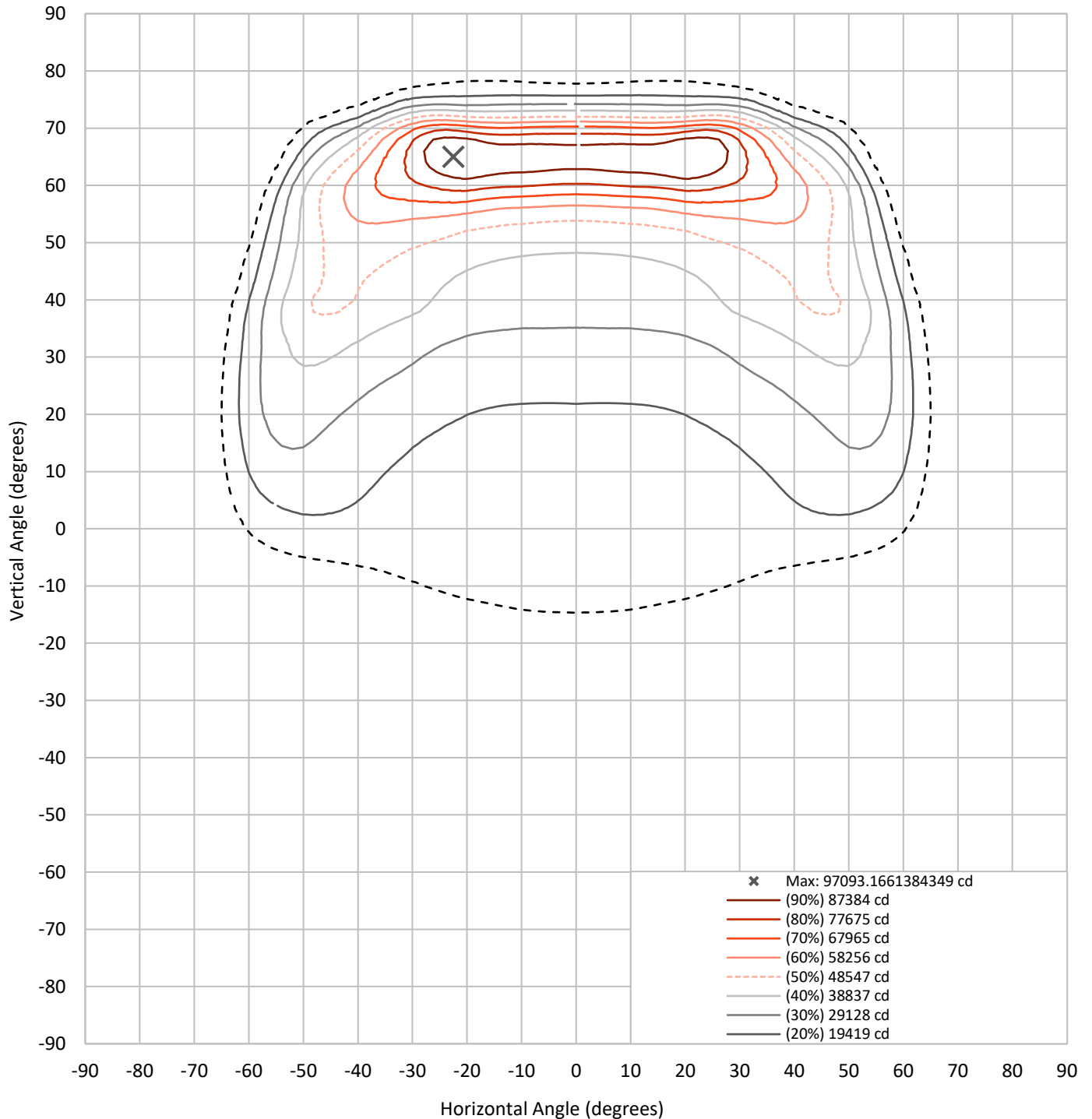
Test Method: LM-79-08
Report Number: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2048900)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A65-WB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A65-WB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	98727.5 lumens	Max Intensity:	97093.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 65°V
Efficacy:	69.9 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	83°H x 20.8°V	Field Angle (10%):	107.6°H x 89.7°V
Beam Lumens:	37424.8 lumens	Field Lumens:	88552 lumens
Beam Efficiency:	37.9%	Field Efficiency:	89.7%
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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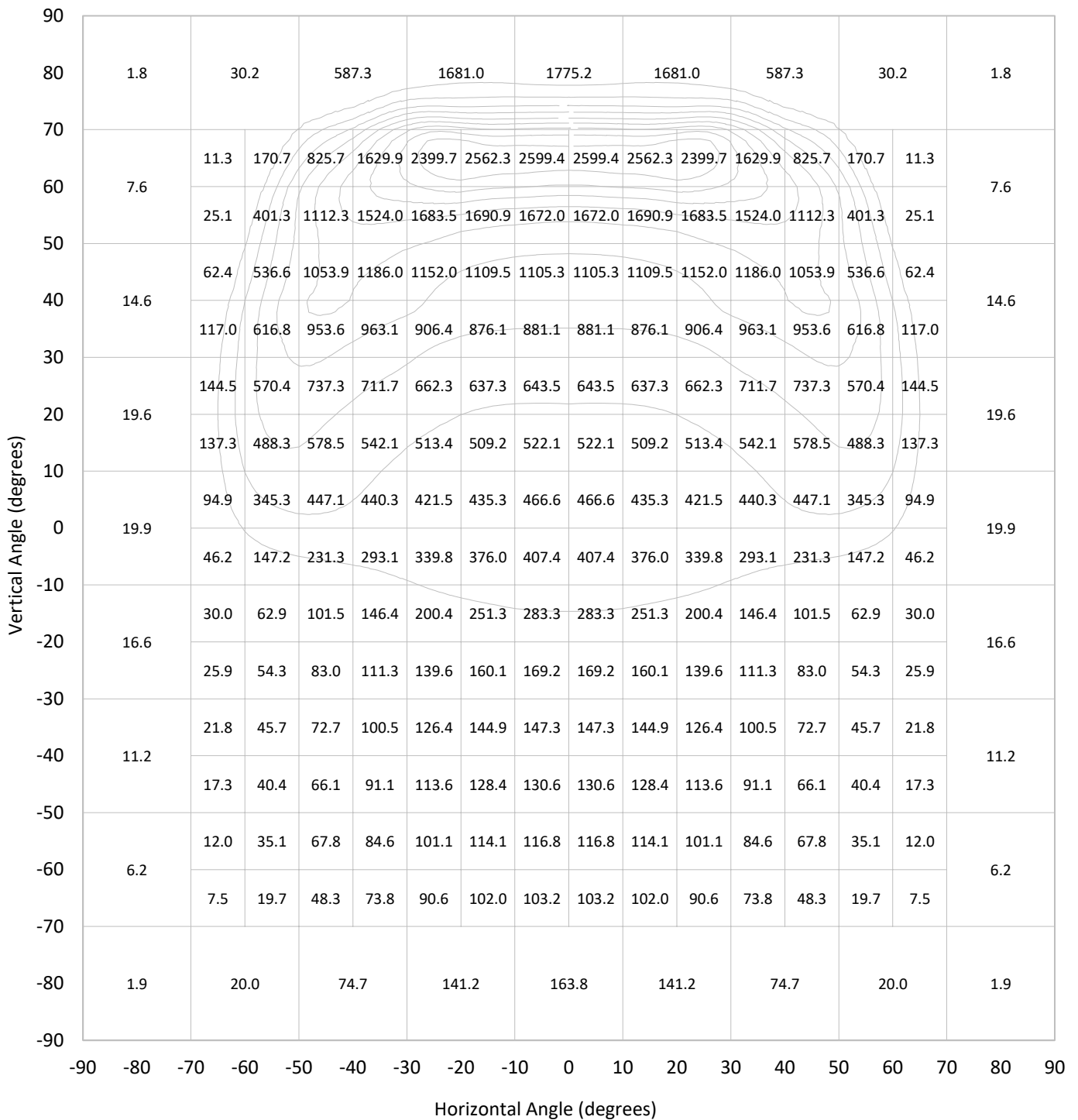
Iso-Candela Plot





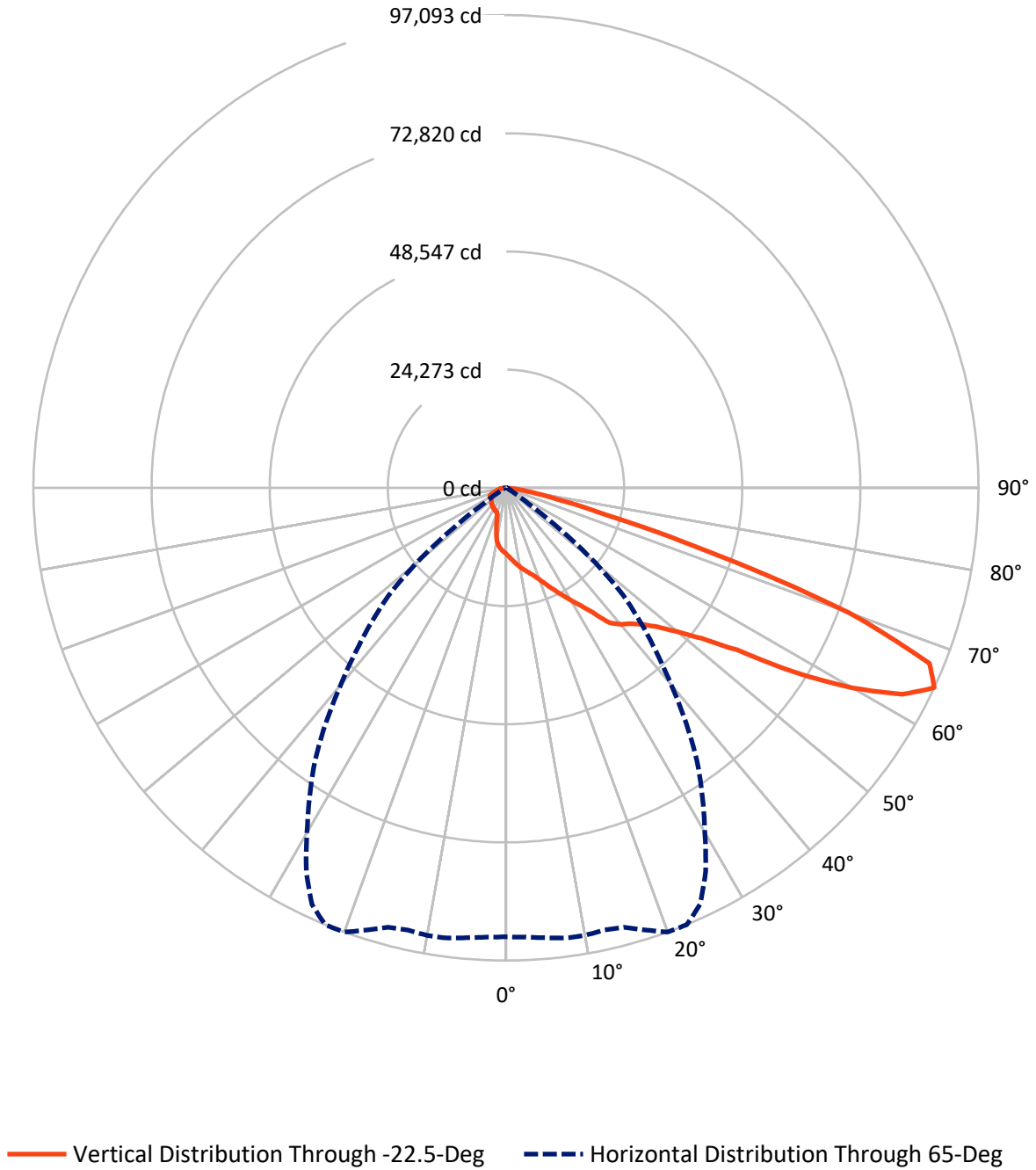
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Lumen Table



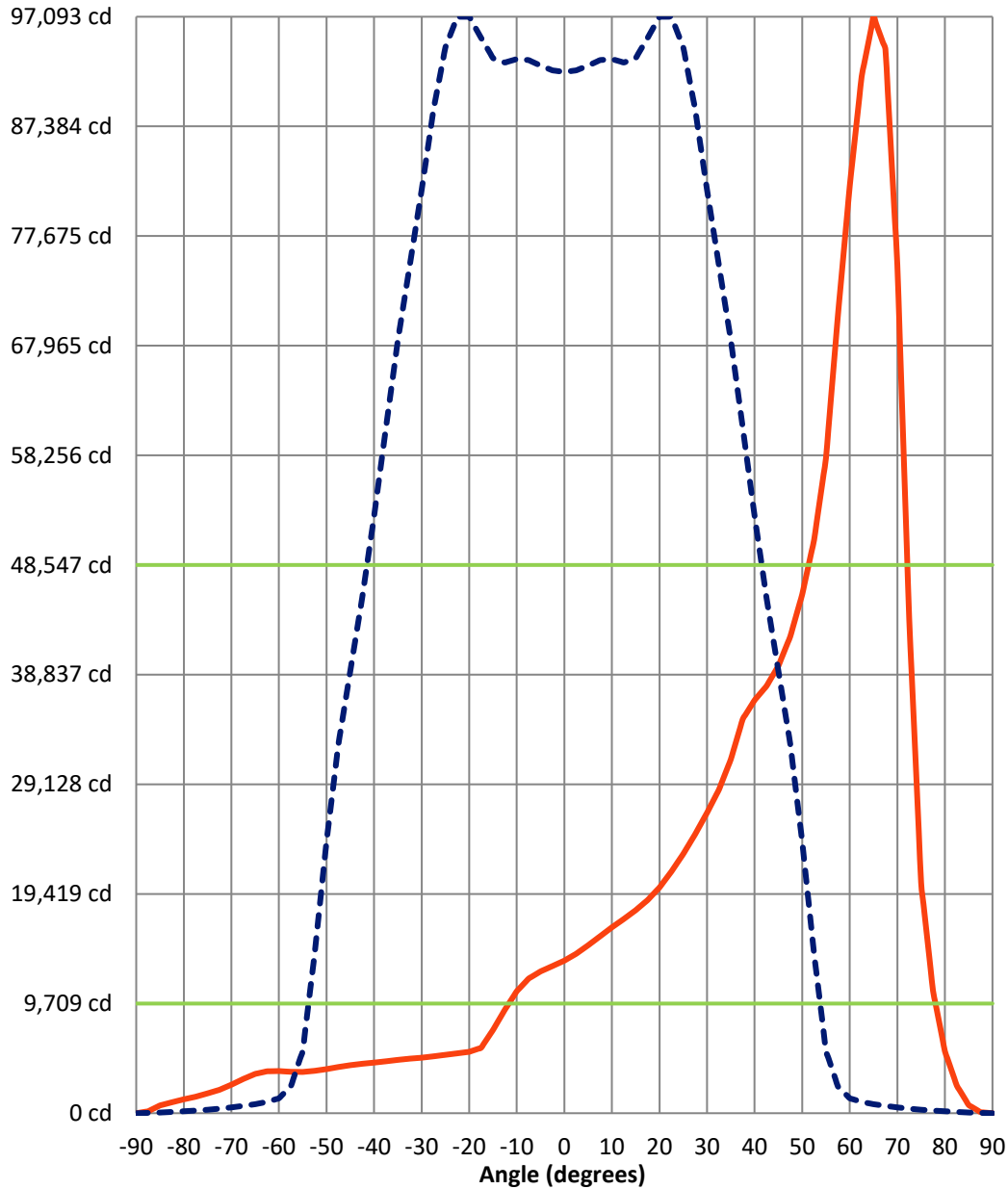
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 83°
 V Angle: 20.8°
 Lumens: 37424.8
 Efficiency: 37.9%

Field:
 H Angle: 107.6°
 V Angle: 89.7°
 Lumens: 88552
 Efficiency: 89.7%

Spill:
 Lumens: 10175.5
 Efficiency: 10.3%

— Vertical Distribution through -22.5-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	3.0	5.9	8.9	11.8	14.8	17.7	20.5	23.3	26.1	28.8
85°	0.0	5.9	11.9	17.8	23.7	29.5	35.3	41.0	46.6	52.2	59.6
82.5°	0.0	8.9	17.8	26.7	35.5	44.2	52.9	68.2	80.3	93.9	107.5
80°	0.0	11.8	23.7	35.5	47.2	63.0	86.0	108.8	120.0	137.0	158.9
77.5°	0.0	14.8	29.5	44.2	63.0	92.0	120.7	149.2	164.4	193.4	225.1
75°	0.0	17.7	35.3	52.9	85.9	120.7	155.1	193.4	218.9	252.9	305.6
72.5°	0.0	20.5	41.0	67.5	108.5	149.2	192.6	239.5	273.1	340.4	423.6
70°	0.0	23.3	46.6	83.4	130.7	177.7	230.2	285.1	353.7	441.2	543.8
67.5°	0.0	26.1	52.2	98.7	152.5	206.1	266.4	343.8	433.8	544.8	671.5
65°	0.0	28.8	59.6	113.6	173.2	233.8	305.9	402.3	514.6	650.2	798.9
62.5°	0.0	31.5	68.5	127.9	192.5	260.7	348.6	458.1	600.5	752.6	928.1
60°	0.0	34.1	77.2	141.5	210.8	290.4	388.8	525.5	683.3	856.6	1061.6
57.5°	0.0	36.7	85.7	154.4	227.9	323.7	426.5	589.8	769.1	957.7	1222.4
55°	0.0	39.1	94.0	165.7	243.8	356.1	482.1	652.7	853.0	1083.7	1371.5
52.5°	0.0	41.5	102.0	176.6	260.2	387.3	535.5	722.4	933.2	1208.0	1571.4
50°	0.0	43.9	109.7	187.0	282.6	415.3	584.0	789.7	1037.9	1336.9	1748.1
47.5°	0.0	46.1	117.2	197.0	304.2	450.3	628.7	853.2	1139.5	1481.5	2141.4
45°	0.0	48.3	124.4	206.4	324.8	484.5	677.4	922.2	1231.7	1611.6	2490.8
42.5°	0.0	50.3	131.2	215.3	344.0	517.8	723.5	991.8	1331.9	1790.8	2906.6
40°	0.0	52.3	137.8	224.0	361.8	550.1	767.3	1053.5	1425.9	1972.0	3979.1
37.5°	0.0	54.1	144.0	232.0	378.1	581.4	806.9	1107.5	1513.1	2124.8	4646.5
35°	0.0	56.8	149.4	242.4	396.5	608.3	846.9	1163.1	1600.1	2386.6	5484.4
32.5°	0.0	59.5	154.1	253.1	414.3	631.2	886.7	1221.1	1683.9	2648.7	6870.1
30°	0.0	62.1	158.5	262.7	429.8	652.4	922.6	1273.8	1745.3	2810.6	7689.7
27.5°	0.0	64.5	162.2	271.3	444.0	671.7	954.0	1318.8	1805.0	2864.2	8066.2
25°	0.0	66.7	165.4	278.9	456.5	689.0	980.0	1356.1	1874.3	3161.2	8751.1
22.5°	0.0	68.7	168.1	285.5	467.2	704.6	1000.7	1388.4	1952.8	3496.7	9092.0
20°	0.0	70.5	170.3	291.0	476.0	718.2	1018.1	1420.4	1994.5	3574.7	9246.9
17.5°	0.0	72.1	172.1	296.0	483.0	729.1	1035.9	1442.7	2021.4	3504.6	9031.1
15°	0.0	73.5	173.3	300.4	488.3	738.5	1050.1	1460.1	2033.5	3390.8	8608.6
12.5°	0.0	74.7	174.2	304.0	494.8	746.2	1059.4	1474.9	2030.0	3151.6	8095.2
10°	0.0	75.6	174.6	306.9	500.9	752.1	1063.8	1482.0	2008.7	3122.3	7415.8
7.5°	0.0	76.4	174.7	308.9	505.5	756.1	1067.3	1481.2	1972.1	3017.9	6657.1
5°	0.0	76.9	174.4	310.1	508.5	757.2	1067.5	1470.9	1933.8	2847.7	5733.5
2.5°	0.0	77.2	173.8	310.3	509.9	755.5	1063.6	1453.2	1890.0	2688.1	4914.9
0°	0.0	77.4	172.9	309.5	509.7	750.9	1055.8	1428.9	1838.5	2484.7	3986.5
-2.5°	0.0	77.2	172.8	307.2	505.7	748.3	1050.2	1420.3	1817.5	2375.6	3497.4
-5°	0.0	76.9	172.4	303.9	500.1	743.0	1041.1	1406.2	1790.7	2258.3	3000.0
-7.5°	0.0	76.4	171.7	299.6	493.0	734.9	1028.6	1386.4	1757.5	2163.1	2727.3
-10°	0.0	75.6	170.8	294.5	484.4	724.1	1011.7	1352.2	1714.1	2083.5	2506.1
-12.5°	0.0	74.7	169.7	288.6	474.2	708.6	988.3	1313.6	1663.7	2009.8	2380.9
-15°	0.0	73.5	168.2	281.9	463.0	688.3	960.3	1274.2	1613.1	1960.8	2298.1
-17.5°	0.0	72.1	166.6	274.6	451.7	667.4	927.6	1233.7	1564.8	1908.0	2220.9
-20°	0.0	70.5	164.6	267.0	439.2	646.1	892.2	1188.0	1509.7	1839.4	2136.6



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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	68.7	162.5	260.0	425.5	623.3	861.6	1136.5	1444.7	1759.6	2045.1
-25°	0.0	66.7	160.1	252.3	410.7	600.6	830.1	1084.0	1374.2	1677.8	1973.7
-27.5°	0.0	64.5	157.4	243.9	394.8	576.6	795.8	1034.4	1307.2	1604.3	1895.6
-30°	0.0	62.1	154.6	234.9	377.9	550.7	758.4	981.2	1241.8	1527.5	1815.8
-32.5°	0.0	59.5	151.6	225.3	360.0	523.0	718.7	924.5	1178.5	1452.9	1730.2
-35°	0.0	56.8	148.2	215.2	341.2	493.5	679.4	868.6	1110.9	1386.7	1638.9
-37.5°	0.0	54.1	144.0	206.0	323.3	465.1	641.6	821.0	1044.4	1312.6	1576.7
-40°	0.0	52.3	137.8	200.5	309.1	440.1	603.9	777.3	981.6	1226.1	1501.8
-42.5°	0.0	50.3	131.2	194.8	295.0	413.8	565.3	730.7	917.5	1134.4	1406.5
-45°	0.0	48.3	124.4	189.5	281.1	386.2	526.8	681.5	852.2	1047.7	1295.1
-47.5°	0.0	46.1	117.2	183.6	267.3	357.4	487.9	634.3	794.4	968.6	1184.6
-50°	0.0	43.9	109.7	177.0	252.6	327.6	452.9	587.5	732.7	884.2	1079.4
-52.5°	0.0	41.5	102.0	170.0	236.9	308.2	416.4	537.9	670.1	811.1	982.1
-55°	0.0	39.1	94.0	162.3	223.7	289.9	377.8	487.0	612.1	738.4	879.1
-57.5°	0.0	36.7	85.7	154.1	210.8	271.9	339.1	446.4	553.1	662.4	794.0
-60°	0.0	34.1	77.2	141.5	197.6	254.0	320.4	405.8	495.1	594.0	710.9
-62.5°	0.0	31.5	68.5	127.9	184.0	237.3	300.0	363.2	442.8	526.7	640.4
-65°	0.0	28.8	59.6	113.6	170.1	221.0	277.8	332.3	391.0	472.9	568.4
-67.5°	0.0	26.1	52.2	98.7	152.5	203.9	253.9	300.7	350.2	419.0	500.0
-70°	0.0	23.3	46.6	83.4	130.7	186.1	228.7	269.0	315.8	372.5	436.3
-72.5°	0.0	20.5	41.0	67.5	108.5	161.4	202.3	240.2	280.9	333.7	387.0
-75°	0.0	17.7	35.3	52.9	85.9	129.9	171.9	211.8	246.4	295.4	342.9
-77.5°	0.0	14.8	29.5	44.2	63.0	97.5	131.8	175.6	210.4	259.9	299.0
-80°	0.0	11.8	23.7	35.5	47.2	64.3	91.3	124.4	156.6	215.3	253.8
-82.5°	0.0	8.9	17.8	26.7	35.5	44.2	52.9	72.2	95.2	132.1	165.3
-85°	0.0	5.9	11.9	17.8	23.7	29.5	35.3	41.0	46.6	52.2	65.2
-87.5°	0.0	3.0	5.9	8.9	11.8	14.8	17.7	20.5	23.3	26.1	28.8
-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°	31.5	34.1	36.7	39.1	41.5	43.9	46.1	48.3	50.3	52.3	36.3
85°	70.7	81.7	92.0	105.6	120.7	131.8	142.2	152.3	161.9	187.0	205.9
82.5°	130.6	149.4	165.4	195.9	226.8	255.3	281.0	310.9	344.4	388.1	481.6
80°	196.3	225.8	263.5	310.2	353.4	419.7	488.1	572.6	693.0	888.1	1241.1
77.5°	267.5	313.7	385.5	471.3	552.1	644.1	861.7	1196.8	1688.6	2394.4	3342.7
75°	380.9	447.7	530.1	759.9	952.6	1152.1	1705.5	3119.9	4112.5	5188.8	7125.1
72.5°	507.6	638.7	892.7	1232.0	2440.7	4600.2	6532.6	8624.5	11948.6	15538.6	20420.1
70°	672.0	861.5	1302.0	2557.9	5273.7	10146.6	15627.8	20704.5	25111.0	30734.1	39349.0
67.5°	830.4	1091.0	1667.4	4005.8	8894.1	16687.8	24656.2	30997.2	36872.3	43756.9	53414.5
65°	1003.4	1321.4	2382.0	5529.0	14104.5	24037.3	32659.9	39157.4	45631.2	52864.4	60707.8
62.5°	1183.3	1664.8	3605.9	9862.4	20318.8	31379.1	39974.0	46853.2	53959.0	59509.3	65951.0
60°	1393.0	2311.4	5580.0	14601.8	27213.4	37047.7	45439.1	52113.5	57775.9	62833.2	67106.0
57.5°	1670.9	3135.2	8821.8	20034.7	30908.5	40210.0	47564.0	54045.0	58642.3	62708.9	65494.1
55°	1991.2	4560.4	11897.9	23065.8	32979.0	40832.2	47664.8	53424.1	57076.5	60204.3	61445.6
52.5°	2443.1	6043.3	15306.2	25514.4	33619.5	40921.6	46908.1	51329.4	54476.9	56031.6	56647.9
50°	3339.5	8791.4	18359.3	27179.3	34761.9	41488.3	46849.2	50500.9	52801.9	53938.7	53362.2
47.5°	4285.5	11467.2	20531.0	29014.6	36348.5	42572.8	47114.3	50199.8	51800.1	51829.5	50992.8
45°	6145.0	13926.0	22813.2	30695.1	37713.0	43428.7	47372.0	49567.0	50393.5	49912.8	48741.5
42.5°	7620.9	16744.1	24933.4	32779.1	39624.7	44926.0	48240.9	49784.5	49768.2	48737.7	47298.1
40°	10219.7	19272.5	27258.0	35347.8	42240.3	46894.7	49572.1	50303.2	49613.5	48228.3	46596.4
37.5°	12717.0	21301.0	29065.3	36676.2	43078.0	47008.6	49063.9	49283.6	47828.6	46144.2	44358.0
35°	14370.8	22711.0	29801.9	36743.1	41762.7	44476.5	45497.1	44915.4	43564.3	41938.2	40067.3
32.5°	15402.2	23028.3	29654.6	35439.0	39533.4	41780.1	42366.9	41513.8	40039.6	38369.0	36627.3
30°	16353.8	23486.5	29911.3	35062.8	38498.7	39929.6	40143.5	39073.7	37561.6	35985.1	34252.7
27.5°	17099.0	24040.7	30149.5	34563.8	37188.4	38107.8	37946.7	36782.2	35239.5	33631.8	31948.0
25°	17421.3	24405.3	30088.9	33925.8	35838.8	36323.0	35833.3	34508.9	32991.2	31314.6	29689.4
22.5°	17482.8	24575.7	29858.0	33229.7	34488.6	34506.4	33755.4	32335.4	30793.4	29161.6	27590.4
20°	17481.9	24362.3	29214.1	31969.8	32982.8	32837.2	31783.8	30328.0	28726.8	27131.2	25596.1
17.5°	17061.5	23649.6	28124.7	30671.9	31520.6	31274.9	30092.6	28527.9	26909.7	25331.0	23914.2
15°	16270.1	22512.4	26835.3	29242.0	29931.3	29648.1	28485.9	26928.9	25361.4	23779.1	22441.1
12.5°	15198.6	21202.6	25266.7	27457.0	28119.4	27942.3	26924.2	25495.5	24027.8	22540.8	21305.5
10°	13936.8	19575.4	23386.4	25367.9	26141.5	26115.9	25340.2	24158.0	22838.5	21508.3	20329.8
7.5°	12456.6	17686.4	21215.9	23102.8	23955.6	24161.1	23664.6	22815.8	21700.6	20573.5	19513.1
5°	10782.9	15525.6	18724.7	20549.7	21557.4	21991.3	21840.2	21344.8	20476.9	19541.4	18633.6
2.5°	8943.1	13005.7	15906.7	17726.2	18860.6	19490.5	19632.1	19400.0	18847.5	18138.1	17378.7
0°	6962.6	10284.7	12828.5	14589.7	15763.8	16491.9	16824.1	16846.8	16637.5	16255.2	15750.1
-2.5°	5516.7	7783.1	9684.0	11129.7	12209.9	12981.8	13518.8	13864.6	14020.9	14042.5	13932.4
-5°	4125.5	5565.1	6964.0	8060.2	8902.0	9529.1	10085.1	10544.7	10997.0	11371.3	11684.8
-7.5°	3478.0	4207.7	4869.3	5519.3	6241.9	6747.0	7117.5	7433.7	7989.7	8510.8	9065.4
-10°	2928.4	3386.7	3931.7	4337.7	4558.5	4978.4	5290.0	5469.9	5974.7	6487.0	7002.8
-12.5°	2754.3	3043.7	3369.4	3751.2	4022.9	4213.4	4531.9	4811.2	5156.2	5526.9	5943.7
-15°	2603.6	2886.9	3202.1	3495.1	3778.1	4037.9	4310.1	4592.7	4882.3	5131.4	5449.1
-17.5°	2537.8	2780.0	3086.2	3398.2	3665.0	3930.7	4200.9	4486.5	4702.8	4814.6	4949.2
-20°	2465.6	2715.2	2997.9	3310.7	3584.2	3849.5	4119.2	4307.5	4430.7	4445.4	4535.0



REPORT NUMBER: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2373.2	2645.9	2916.9	3221.9	3497.0	3755.6	3959.7	4073.6	4124.7	4164.7	4350.7
-25°	2291.0	2554.4	2842.1	3120.1	3382.7	3595.6	3770.0	3844.0	3856.8	4041.9	4237.3
-27.5°	2221.7	2439.6	2765.6	3008.7	3232.4	3422.6	3557.3	3629.5	3775.6	3951.5	4155.8
-30°	2136.2	2388.8	2677.8	2871.5	3063.0	3246.4	3360.0	3547.9	3715.8	3875.0	4074.7
-32.5°	2035.4	2328.9	2574.4	2736.6	2883.0	3051.1	3252.1	3471.6	3652.7	3790.3	3959.0
-35°	1927.9	2238.2	2484.1	2602.5	2713.8	2913.1	3165.1	3399.5	3573.1	3722.4	3874.3
-37.5°	1842.2	2145.2	2369.1	2494.9	2595.4	2816.0	3079.5	3323.9	3508.6	3665.5	3812.6
-40°	1778.7	2060.2	2274.0	2399.6	2559.4	2751.3	2994.4	3234.8	3433.3	3577.7	3730.8
-42.5°	1688.8	1976.0	2187.0	2319.3	2519.5	2715.7	2923.6	3151.0	3350.8	3506.4	3650.1
-45°	1561.7	1863.6	2115.5	2296.8	2490.1	2672.5	2848.7	3056.3	3251.8	3387.5	3542.3
-47.5°	1440.7	1741.4	2018.5	2268.8	2493.0	2669.5	2838.7	2993.1	3146.4	3278.5	3402.5
-50°	1317.6	1612.6	1920.1	2234.5	2510.3	2671.8	2866.3	3007.9	3088.7	3208.3	3290.7
-52.5°	1173.8	1467.4	1781.4	2164.7	2547.9	2783.9	2979.9	3095.4	3159.9	3223.5	3269.7
-55°	1052.1	1295.3	1623.0	2030.0	2472.2	2870.3	3121.5	3231.3	3278.7	3298.1	3316.7
-57.5°	939.2	1132.9	1408.5	1802.8	2221.7	2780.5	3132.8	3403.9	3435.8	3400.0	3384.1
-60°	839.7	995.6	1184.6	1474.0	1849.9	2359.8	2910.6	3244.9	3530.4	3593.9	3536.4
-62.5°	746.7	873.1	1024.7	1223.9	1496.7	1910.5	2364.0	2790.7	3162.4	3355.4	3481.8
-65°	657.0	763.8	887.4	1053.3	1258.0	1501.6	1870.1	2231.0	2521.2	2778.4	2967.0
-67.5°	568.9	666.3	763.3	906.6	1066.2	1241.4	1480.6	1735.6	1968.2	2168.4	2343.4
-70°	503.0	575.1	667.5	782.0	906.8	1055.2	1204.8	1367.3	1559.3	1703.4	1818.4
-72.5°	440.2	510.1	587.5	680.7	791.9	910.1	1027.2	1151.8	1282.1	1398.8	1499.2
-75°	392.1	452.1	520.4	600.1	690.5	791.6	892.5	987.3	1084.8	1177.1	1264.8
-77.5°	343.1	400.7	454.7	517.1	597.1	678.2	751.7	833.2	918.2	990.7	1052.1
-80°	293.3	332.3	379.2	430.8	497.7	555.9	622.0	688.5	759.0	832.9	888.2
-82.5°	209.5	244.6	296.0	336.5	383.5	428.3	490.3	542.6	596.4	659.0	691.0
-85°	87.4	108.9	137.1	168.4	210.5	248.6	300.7	344.2	390.8	438.0	488.5
-87.5°	31.5	34.1	36.7	39.1	52.5	58.5	61.5	64.3	67.1	69.7	72.2
-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: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB-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°	41.4	49.7	61.9	74.9	87.1	93.6	93.7	95.2	96.8	97.8	95.3
85°	261.6	335.5	450.3	571.1	670.3	723.7	708.6	652.1	615.8	572.7	527.6
82.5°	677.8	974.0	1360.5	1840.7	2207.3	2444.2	2548.0	2432.1	2179.8	1938.5	1803.1
80°	1829.0	2523.1	3372.0	4322.0	5038.8	5487.3	5765.8	5841.0	5672.5	5154.2	4583.1
77.5°	4687.8	6202.4	7534.6	8826.3	9986.6	10841.0	11291.5	11396.1	11527.1	11654.2	11395.4
75°	11281.6	15600.3	18470.5	20065.4	20541.9	20407.5	20583.9	21198.6	21720.8	22186.5	22231.4
72.5°	27792.7	35339.7	41171.6	44781.6	45441.9	43706.1	42206.4	41482.4	41435.5	41752.2	42101.7
70°	49568.9	58346.5	66015.7	72520.8	76083.4	75134.8	72657.2	70069.6	68489.6	68382.7	69306.7
67.5°	63538.6	71541.8	79660.6	88234.0	93161.4	94189.5	92933.6	90531.8	88623.5	88475.5	88623.1
65°	68433.9	75061.2	81751.1	88878.6	94382.5	97093.2	97089.5	95216.4	93432.8	93040.6	93340.8
62.5°	71367.9	75438.7	80648.9	85592.1	89012.3	91809.2	93213.6	91631.4	89458.0	88865.8	88787.4
60°	70577.7	72934.3	75559.5	78066.2	80194.4	82133.2	82595.1	80903.7	79627.9	79032.2	78656.6
57.5°	67493.9	67802.3	68650.6	69330.0	69890.5	70596.1	69705.8	67773.4	66314.5	65514.1	65029.4
55°	61795.0	61246.3	60659.8	60124.6	59319.9	58019.8	56834.2	55416.2	54066.8	52951.7	52734.0
52.5°	55768.9	55068.6	53780.7	52818.9	52164.5	50763.5	49235.2	48246.6	47431.6	46931.7	46527.2
50°	52619.8	51068.2	49919.5	48724.6	47728.3	45939.0	44632.5	43742.3	42836.5	42287.4	41966.7
47.5°	49698.1	48120.8	46509.1	45489.4	43978.7	42224.3	41054.5	40111.7	39407.3	38925.1	38531.3
45°	47262.1	45493.9	44053.5	42890.9	41157.0	39613.4	38537.7	37759.9	37121.4	36576.3	36179.7
42.5°	45540.9	43772.7	42376.1	41007.6	39206.5	37824.7	36843.0	36085.1	35465.0	35103.9	34752.8
40°	44531.2	42582.7	41300.5	39584.6	37803.6	36577.0	35491.9	34806.9	34260.8	33710.9	33586.8
37.5°	42525.1	40914.4	39307.0	37769.5	36336.1	34897.3	34228.3	33386.7	33108.8	32555.8	32348.7
35°	38055.5	36548.0	35334.0	33697.7	32108.5	31341.4	30454.4	29893.2	29390.8	29249.2	28905.9
32.5°	34911.8	33639.7	32329.5	30765.3	29575.8	28655.1	27863.6	27281.0	26861.6	26620.9	26448.3
30°	32671.1	31463.6	30146.8	28692.5	27522.1	26609.1	25834.1	25229.7	24847.5	24640.5	24528.7
27.5°	30490.2	29361.5	28078.6	26684.0	25573.7	24707.0	23986.3	23433.9	23068.8	22847.1	22775.3
25°	28330.1	27368.2	26044.1	24805.2	23763.1	22961.3	22302.5	21765.4	21452.4	21300.1	21216.3
22.5°	26371.3	25404.0	24191.4	23045.7	22124.3	21396.3	20766.3	20295.9	19990.8	19831.0	19750.1
20°	24483.7	23593.7	22488.0	21469.2	20655.5	19989.2	19455.3	19040.3	18788.2	18628.0	18525.1
17.5°	22863.8	21999.5	21001.7	20096.0	19394.0	18872.2	18420.0	18093.0	17858.1	17725.9	17629.6
15°	21452.4	20685.9	19754.8	18985.7	18408.0	17976.8	17638.0	17359.7	17180.6	17109.9	17047.8
12.5°	20387.2	19600.4	18755.6	18028.9	17560.8	17199.2	16929.5	16725.2	16635.7	16586.5	16601.4
10°	19482.6	18741.4	17921.8	17267.1	16812.0	16460.0	16205.8	16081.6	16024.4	16053.0	16106.3
7.5°	18720.0	17979.0	17163.8	16496.7	16003.4	15662.6	15439.7	15345.8	15335.1	15460.5	15654.1
5°	17883.4	17108.5	16274.8	15600.9	15164.5	14870.6	14684.7	14618.7	14663.9	14846.4	15073.1
2.5°	16695.0	16016.1	15282.9	14718.1	14350.4	14123.1	14011.8	14003.2	14110.5	14295.4	14526.4
0°	15299.6	14876.4	14362.1	13902.5	13652.2	13511.2	13470.2	13547.6	13679.5	13866.1	14107.3
-2.5°	13824.6	13718.6	13484.5	13248.7	13104.7	13030.2	13030.8	13104.3	13259.3	13465.4	13696.6
-5°	11972.8	12269.5	12407.2	12462.3	12525.8	12556.7	12598.4	12685.8	12824.0	13014.0	13228.2
-7.5°	9733.5	10386.0	10907.3	11312.9	11678.0	11920.7	12065.4	12188.6	12332.7	12501.0	12693.6
-10°	7706.2	8430.6	9149.7	9798.4	10356.6	10802.6	11122.2	11375.2	11615.5	11809.9	12014.6
-12.5°	6403.8	6929.0	7477.3	8083.3	8642.4	9166.2	9593.9	9977.9	10294.0	10618.0	10906.9
-15°	5723.3	6061.5	6395.3	6747.3	7076.6	7370.4	7583.7	8141.7	8472.1	8807.1	9071.4
-17.5°	5034.0	5129.9	5273.0	5375.1	5572.3	5790.3	6026.1	6434.4	6772.1	7016.3	7311.1
-20°	4665.7	4848.2	5010.5	5178.7	5310.2	5439.7	5563.6	5696.8	5886.0	6081.9	6218.0



REPORT NUMBER: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB-LTM

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4583.5	4769.8	4925.7	5061.5	5178.9	5302.5	5419.9	5514.1	5613.4	5732.8	5766.0
-25°	4495.0	4675.6	4827.2	4946.3	5064.7	5171.0	5272.1	5369.4	5456.7	5446.9	5485.3
-27.5°	4360.5	4552.9	4711.3	4840.3	4947.5	5037.6	5134.6	5227.8	5303.6	5264.2	5302.6
-30°	4250.9	4413.7	4573.2	4721.8	4837.5	4915.5	5018.4	5115.9	5127.2	5145.8	5155.8
-32.5°	4131.6	4271.8	4415.4	4575.4	4714.4	4830.8	4939.5	5036.1	5007.2	5056.2	5062.5
-35°	4025.4	4140.6	4273.3	4420.8	4591.2	4723.0	4852.7	4917.9	4948.6	4982.4	4996.1
-37.5°	3949.9	4063.2	4193.5	4325.8	4446.0	4597.2	4737.4	4773.7	4861.4	4901.9	4935.5
-40°	3864.0	3984.6	4103.2	4234.9	4355.1	4481.0	4577.3	4611.5	4704.0	4761.6	4800.2
-42.5°	3785.6	3907.2	4017.0	4141.1	4262.2	4378.6	4434.7	4475.4	4518.5	4554.2	4586.1
-45°	3686.3	3811.4	3937.2	4044.8	4154.7	4251.2	4271.0	4330.0	4376.5	4405.8	4413.0
-47.5°	3533.4	3659.8	3783.4	3908.4	4017.4	4091.3	4120.2	4176.4	4215.4	4247.8	4255.2
-50°	3387.9	3499.9	3616.5	3731.9	3844.9	3903.9	3972.8	4047.2	4093.2	4115.0	4124.5
-52.5°	3299.1	3388.3	3459.3	3571.7	3693.6	3753.4	3848.0	3940.1	3994.9	4006.1	4006.6
-55°	3345.0	3403.1	3428.8	3513.5	3618.9	3655.1	3754.6	3829.9	3873.0	3889.3	3891.9
-57.5°	3378.4	3458.4	3481.0	3592.1	3644.8	3667.0	3710.1	3758.3	3785.7	3811.4	3827.3
-60°	3553.7	3543.5	3626.0	3752.1	3748.6	3733.5	3720.3	3763.5	3803.1	3814.1	3816.7
-62.5°	3550.8	3542.4	3619.0	3716.8	3700.8	3711.6	3770.3	3816.7	3811.3	3817.3	3793.9
-65°	3110.9	3203.2	3309.9	3404.9	3438.2	3478.3	3537.8	3584.4	3613.1	3617.2	3570.4
-67.5°	2501.3	2615.7	2747.7	2839.6	2916.2	3030.9	3136.9	3195.4	3236.5	3257.6	3227.7
-70°	1949.3	2071.3	2181.6	2286.1	2401.6	2524.3	2614.0	2698.2	2786.5	2833.8	2809.5
-72.5°	1601.8	1706.6	1794.4	1888.0	1981.6	2073.2	2185.1	2299.1	2385.9	2423.4	2388.7
-75°	1342.2	1425.0	1516.4	1592.0	1672.9	1757.0	1838.1	1904.2	1936.6	1940.5	1938.9
-77.5°	1134.8	1203.4	1277.3	1336.9	1392.3	1460.8	1515.3	1544.4	1573.4	1592.8	1607.4
-80°	955.1	1012.5	1072.4	1130.9	1172.5	1230.6	1277.4	1329.8	1359.8	1385.2	1400.0
-82.5°	740.2	792.9	838.5	887.3	931.2	967.8	1005.5	1042.7	1067.9	1083.2	1092.2
-85°	527.7	575.9	614.4	645.4	665.5	689.2	707.6	728.9	750.1	763.7	771.6
-87.5°	83.4	112.6	131.5	146.4	158.7	172.1	183.2	200.8	233.0	239.7	245.1
-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: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB-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°	96.5	94.4	88.5	91.0	88.5	94.4	96.5	95.3	97.8	96.8	95.2
85°	510.0	478.6	445.1	436.9	445.1	478.6	510.0	527.6	572.7	615.8	652.1
82.5°	1696.1	1597.7	1523.3	1492.7	1523.3	1597.7	1696.1	1803.1	1938.5	2179.8	2432.1
80°	4218.9	4016.7	3893.2	3840.8	3893.2	4016.7	4218.9	4583.1	5154.2	5672.5	5841.0
77.5°	10884.7	10465.6	10223.5	10111.8	10223.5	10465.6	10884.7	11395.4	11654.2	11527.1	11396.1
75°	22254.1	22282.9	22278.7	22326.0	22278.7	22282.9	22254.1	22231.4	22186.5	21720.8	21198.6
72.5°	42508.0	42777.0	42924.3	42977.2	42924.3	42777.0	42508.0	42101.7	41752.2	41435.5	41482.4
70°	70248.5	70893.8	71198.8	71264.6	71198.8	70893.8	70248.5	69306.7	68382.7	68489.6	70069.6
67.5°	88593.8	88364.9	88080.3	88002.2	88080.3	88364.9	88593.8	88623.1	88475.5	88623.5	90531.8
65°	93249.1	92764.9	92344.6	92198.0	92344.6	92764.9	93249.1	93340.8	93040.6	93432.8	95216.4
62.5°	88472.6	87914.8	87492.8	87356.0	87492.8	87914.8	88472.6	88787.4	88865.8	89458.0	91631.4
60°	77962.8	77070.1	76510.4	76452.4	76510.4	77070.1	77962.8	78656.6	79032.2	79627.9	80903.7
57.5°	64394.8	63613.7	63072.1	62923.1	63072.1	63613.7	64394.8	65029.4	65514.1	66314.5	67773.4
55°	52230.1	51697.8	51328.4	51223.1	51328.4	51697.8	52230.1	52734.0	52951.7	54066.8	55416.2
52.5°	46035.6	45663.2	45466.9	45420.9	45466.9	45663.2	46035.6	46527.2	46931.7	47431.6	48246.6
50°	41611.8	41302.8	41117.6	41029.5	41117.6	41302.8	41611.8	41966.7	42287.4	42836.5	43742.3
47.5°	38275.1	38118.9	38021.9	37975.9	38021.9	38118.9	38275.1	38531.3	38925.1	39407.3	40111.7
45°	36022.3	35956.0	35822.4	35805.2	35822.4	35956.0	36022.3	36179.7	36576.3	37121.4	37759.9
42.5°	34515.8	34388.1	34267.3	34221.6	34267.3	34388.1	34515.8	34752.8	35103.9	35465.0	36085.1
40°	33500.0	33313.2	33103.1	33074.8	33103.1	33313.2	33500.0	33586.8	33710.9	34260.8	34806.9
37.5°	32406.7	32297.0	32106.1	32110.0	32106.1	32297.0	32406.7	32348.7	32555.8	33108.8	33386.7
35°	28857.8	28941.4	28862.2	28842.6	28862.2	28941.4	28857.8	28905.9	29249.2	29390.8	29893.2
32.5°	26357.8	26316.3	26240.5	26203.2	26240.5	26316.3	26357.8	26448.3	26620.9	26861.6	27281.0
30°	24407.7	24336.0	24265.2	24246.3	24265.2	24336.0	24407.7	24528.7	24640.5	24847.5	25229.7
27.5°	22701.1	22638.9	22605.0	22635.4	22605.0	22638.9	22701.1	22775.3	22847.1	23068.8	23433.9
25°	21142.5	21126.5	21122.9	21179.1	21122.9	21126.5	21142.5	21216.3	21300.1	21452.4	21765.4
22.5°	19696.2	19684.0	19694.8	19750.2	19694.8	19684.0	19696.2	19750.1	19831.0	19990.8	20295.9
20°	18462.6	18449.1	18474.1	18548.8	18474.1	18449.1	18462.6	18525.1	18628.0	18788.2	19040.3
17.5°	17604.7	17590.8	17652.5	17752.4	17652.5	17590.8	17604.7	17629.6	17725.9	17858.1	18093.0
15°	17064.4	17092.0	17184.9	17292.8	17184.9	17092.0	17064.4	17047.8	17109.9	17180.6	17359.7
12.5°	16665.5	16729.2	16832.3	16928.7	16832.3	16729.2	16665.5	16601.4	16586.5	16635.7	16725.2
10°	16189.4	16321.3	16445.3	16528.3	16445.3	16321.3	16189.4	16106.3	16053.0	16024.4	16081.6
7.5°	15829.3	15921.8	16101.4	16105.1	16101.4	15921.8	15829.3	15654.1	15460.5	15335.1	15345.8
5°	15240.8	15382.0	15486.8	15581.8	15486.8	15382.0	15240.8	15073.1	14846.4	14663.9	14618.7
2.5°	14743.2	14923.8	15063.1	15140.3	15063.1	14923.8	14743.2	14526.4	14295.4	14110.5	14003.2
0°	14343.9	14516.9	14648.9	14708.0	14648.9	14516.9	14343.9	14107.3	13866.1	13679.5	13547.6
-2.5°	13916.7	14076.0	14176.7	14216.5	14176.7	14076.0	13916.7	13696.6	13465.4	13259.3	13104.3
-5°	13401.6	13527.7	13595.9	13634.0	13595.9	13527.7	13401.6	13228.2	13014.0	12824.0	12685.8
-7.5°	12831.7	12926.4	13006.3	12996.9	13006.3	12926.4	12831.7	12693.6	12501.0	12332.7	12188.6
-10°	12149.3	12220.3	12274.9	12287.0	12274.9	12220.3	12149.3	12014.6	11809.9	11615.5	11375.2
-12.5°	11056.7	11171.8	11215.0	11235.8	11215.0	11171.8	11056.7	10906.9	10618.0	10294.0	9977.9
-15°	9266.7	9372.2	9458.1	9474.7	9458.1	9372.2	9266.7	9071.4	8807.1	8472.1	8141.7
-17.5°	7533.8	7576.5	7624.5	7645.3	7624.5	7576.5	7533.8	7311.1	7016.3	6772.1	6434.4
-20°	6434.6	6573.6	6654.8	6698.7	6654.8	6573.6	6434.6	6218.0	6081.9	5886.0	5696.8



REPORT NUMBER: P902117 (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°	5855.0	5932.5	5960.8	5870.5	5960.8	5932.5	5855.0	5766.0	5732.8	5613.4	5514.1
-25°	5500.8	5510.1	5454.9	5278.9	5454.9	5510.1	5500.8	5485.3	5446.9	5456.7	5369.4
-27.5°	5283.1	5244.1	5159.1	4933.0	5159.1	5244.1	5283.1	5302.6	5264.2	5303.6	5227.8
-30°	5141.1	5081.6	4973.9	4732.8	4973.9	5081.6	5141.1	5155.8	5145.8	5127.2	5115.9
-32.5°	5040.3	4975.5	4859.4	4605.4	4859.4	4975.5	5040.3	5062.5	5056.2	5007.2	5036.1
-35°	4975.8	4905.0	4785.1	4523.4	4785.1	4905.0	4975.8	4996.1	4982.4	4948.6	4917.9
-37.5°	4910.6	4846.6	4732.7	4468.8	4732.7	4846.6	4910.6	4935.5	4901.9	4861.4	4773.7
-40°	4797.1	4732.9	4620.1	4368.7	4620.1	4732.9	4797.1	4800.2	4761.6	4704.0	4611.5
-42.5°	4579.7	4526.5	4424.0	4168.5	4424.0	4526.5	4579.7	4586.1	4554.2	4518.5	4475.4
-45°	4385.2	4312.9	4210.7	3959.1	4210.7	4312.9	4385.2	4413.0	4405.8	4376.5	4330.0
-47.5°	4245.3	4174.6	4079.1	3845.4	4079.1	4174.6	4245.3	4255.2	4247.8	4215.4	4176.4
-50°	4098.2	4045.2	3970.9	3768.0	3970.9	4045.2	4098.2	4124.5	4115.0	4093.2	4047.2
-52.5°	3995.4	3954.8	3887.2	3718.0	3887.2	3954.8	3995.4	4006.6	4006.1	3994.9	3940.1
-55°	3891.8	3868.4	3809.9	3658.8	3809.9	3868.4	3891.8	3891.9	3889.3	3873.0	3829.9
-57.5°	3827.7	3798.0	3758.1	3599.7	3758.1	3798.0	3827.7	3827.3	3811.4	3785.7	3758.3
-60°	3807.5	3768.9	3700.9	3531.4	3700.9	3768.9	3807.5	3816.7	3814.1	3803.1	3763.5
-62.5°	3759.0	3701.2	3619.3	3445.0	3619.3	3701.2	3759.0	3793.9	3817.3	3811.3	3816.7
-65°	3535.8	3509.0	3466.2	3340.3	3466.2	3509.0	3535.8	3570.4	3617.2	3613.1	3584.4
-67.5°	3212.7	3183.6	3171.7	3140.0	3171.7	3183.6	3212.7	3227.7	3257.6	3236.5	3195.4
-70°	2778.3	2787.6	2799.3	2803.3	2799.3	2787.6	2778.3	2809.5	2833.8	2786.5	2698.2
-72.5°	2326.2	2309.2	2313.5	2229.9	2313.5	2309.2	2326.2	2388.7	2423.4	2385.9	2299.1
-75°	1923.7	1926.6	1927.8	1911.3	1927.8	1926.6	1923.7	1938.9	1940.5	1936.6	1904.2
-77.5°	1612.3	1618.9	1623.2	1620.1	1623.2	1618.9	1612.3	1607.4	1592.8	1573.4	1544.4
-80°	1408.8	1414.9	1418.6	1419.8	1418.6	1414.9	1408.8	1400.0	1385.2	1359.8	1329.8
-82.5°	1098.2	1104.8	1109.6	1110.4	1109.6	1104.8	1098.2	1092.2	1083.2	1067.9	1042.7
-85°	776.5	789.0	800.2	801.0	800.2	789.0	776.5	771.6	763.7	750.1	728.9
-87.5°	249.4	254.6	258.7	259.4	258.7	254.6	249.4	245.1	239.7	233.0	200.8
-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-LTM

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°	93.7	93.6	87.1	74.9	61.9	49.7	41.4	36.3	52.3	50.3	48.3
85°	708.6	723.7	670.3	571.1	450.3	335.5	261.6	205.9	187.0	161.9	152.3
82.5°	2548.0	2444.2	2207.3	1840.7	1360.5	974.0	677.8	481.6	388.1	344.4	310.9
80°	5765.8	5487.3	5038.8	4322.0	3372.0	2523.1	1829.0	1241.1	888.1	693.0	572.6
77.5°	11291.5	10841.0	9986.6	8826.3	7534.6	6202.4	4687.8	3342.7	2394.4	1688.6	1196.8
75°	20583.9	20407.5	20541.9	20065.4	18470.5	15600.3	11281.6	7125.1	5188.8	4112.5	3119.9
72.5°	42206.4	43706.1	45441.9	44781.6	41171.6	35339.7	27792.7	20420.1	15538.6	11948.6	8624.5
70°	72657.2	75134.8	76083.4	72520.8	66015.7	58346.5	49568.9	39349.0	30734.1	25111.0	20704.5
67.5°	92933.6	94189.5	93161.4	88234.0	79660.6	71541.8	63538.6	53414.5	43756.9	36872.3	30997.2
65°	97089.5	97093.2	94382.5	88878.6	81751.1	75061.2	68433.9	60707.8	52864.4	45631.2	39157.4
62.5°	93213.6	91809.2	89012.3	85592.1	80648.9	75438.7	71367.9	65951.0	59509.3	53959.0	46853.2
60°	82595.1	82133.2	80194.4	78066.2	75559.5	72934.3	70577.7	67106.0	62833.2	57775.9	52113.5
57.5°	69705.8	70596.1	69890.5	69330.0	68650.6	67802.3	67493.9	65494.1	62708.9	58642.3	54045.0
55°	56834.2	58019.8	59319.9	60124.6	60659.8	61246.3	61795.0	61445.6	60204.3	57076.5	53424.1
52.5°	49235.2	50763.5	52164.5	52818.9	53780.7	55068.6	55768.9	56647.9	56031.6	54476.9	51329.4
50°	44632.5	45939.0	47728.3	48724.6	49919.5	51068.2	52619.8	53362.2	53938.7	52801.9	50500.9
47.5°	41054.5	42224.3	43978.7	45489.4	46509.1	48120.8	49698.1	50992.8	51829.5	51800.1	50199.8
45°	38537.7	39613.4	41157.0	42890.9	44053.5	45493.9	47262.1	48741.5	49912.8	50393.5	49567.0
42.5°	36843.0	37824.7	39206.5	41007.6	42376.1	43772.7	45540.9	47298.1	48737.7	49768.2	49784.5
40°	35491.9	36577.0	37803.6	39584.6	41300.5	42582.7	44531.2	46596.4	48228.3	49613.5	50303.2
37.5°	34228.3	34897.3	36336.1	37769.5	39307.0	40914.4	42525.1	44358.0	46144.2	47828.6	49283.6
35°	30454.4	31341.4	32108.5	33697.7	35334.0	36548.0	38055.5	40067.3	41938.2	43564.3	44915.4
32.5°	27863.6	28655.1	29575.8	30765.3	32329.5	33639.7	34911.8	36627.3	38369.0	40039.6	41513.8
30°	25834.1	26609.1	27522.1	28692.5	30146.8	31463.6	32671.1	34252.7	35985.1	37561.6	39073.7
27.5°	23986.3	24707.0	25573.7	26684.0	28078.6	29361.5	30490.2	31948.0	33631.8	35239.5	36782.2
25°	22302.5	22961.3	23763.1	24805.2	26044.1	27368.2	28330.1	29689.4	31314.6	32991.2	34508.9
22.5°	20766.3	21396.3	22124.3	23045.7	24191.4	25404.0	26371.3	27590.4	29161.6	30793.4	32335.4
20°	19455.3	19989.2	20655.5	21469.2	22488.0	23593.7	24483.7	25596.1	27131.2	28726.8	30328.0
17.5°	18420.0	18872.2	19394.0	20096.0	21001.7	21999.5	22863.8	23914.2	25331.0	26909.7	28527.9
15°	17638.0	17976.8	18408.0	18985.7	19754.8	20685.9	21452.4	22441.1	23779.1	25361.4	26928.9
12.5°	16929.5	17199.2	17560.8	18028.9	18755.6	19600.4	20387.2	21305.5	22540.8	24027.8	25495.5
10°	16205.8	16460.0	16812.0	17267.1	17921.8	18741.4	19482.6	20329.8	21508.3	22838.5	24158.0
7.5°	15439.7	15662.6	16003.4	16496.7	17163.8	17979.0	18720.0	19513.1	20573.5	21700.6	22815.8
5°	14684.7	14870.6	15164.5	15600.9	16274.8	17108.5	17883.4	18633.6	19541.4	20476.9	21344.8
2.5°	14011.8	14123.1	14350.4	14718.1	15282.9	16016.1	16695.0	17378.7	18138.1	18847.5	19400.0
0°	13470.2	13511.2	13652.2	13902.5	14362.1	14876.4	15299.6	15750.1	16255.2	16637.5	16846.8
-2.5°	13030.8	13030.2	13104.7	13248.7	13484.5	13718.6	13824.6	13932.4	14042.5	14020.9	13864.6
-5°	12598.4	12556.7	12525.8	12462.3	12407.2	12269.5	11972.8	11684.8	11371.3	10997.0	10544.7
-7.5°	12065.4	11920.7	11678.0	11312.9	10907.3	10386.0	9733.5	9065.4	8510.8	7989.7	7433.7
-10°	11122.2	10802.6	10356.6	9798.4	9149.7	8430.6	7706.2	7002.8	6487.0	5974.7	5469.9
-12.5°	9593.9	9166.2	8642.4	8083.3	7477.3	6929.0	6403.8	5943.7	5526.9	5156.2	4811.2
-15°	7583.7	7370.4	7076.6	6747.3	6395.3	6061.5	5723.3	5449.1	5131.4	4882.3	4592.7
-17.5°	6026.1	5790.3	5572.3	5375.1	5273.0	5129.9	5034.0	4949.2	4814.6	4702.8	4486.5
-20°	5563.6	5439.7	5310.2	5178.7	5010.5	4848.2	4665.7	4535.0	4445.4	4430.7	4307.5



REPORT NUMBER: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB-LTM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5419.9	5302.5	5178.9	5061.5	4925.7	4769.8	4583.5	4350.7	4164.7	4124.7	4073.6
-25°	5272.1	5171.0	5064.7	4946.3	4827.2	4675.6	4495.0	4237.3	4041.9	3856.8	3844.0
-27.5°	5134.6	5037.6	4947.5	4840.3	4711.3	4552.9	4360.5	4155.8	3951.5	3775.6	3629.5
-30°	5018.4	4915.5	4837.5	4721.8	4573.2	4413.7	4250.9	4074.7	3875.0	3715.8	3547.9
-32.5°	4939.5	4830.8	4714.4	4575.4	4415.4	4271.8	4131.6	3959.0	3790.3	3652.7	3471.6
-35°	4852.7	4723.0	4591.2	4420.8	4273.3	4140.6	4025.4	3874.3	3722.4	3573.1	3399.5
-37.5°	4737.4	4597.2	4446.0	4325.8	4193.5	4063.2	3949.9	3812.6	3665.5	3508.6	3323.9
-40°	4577.3	4481.0	4355.1	4234.9	4103.2	3984.6	3864.0	3730.8	3577.7	3433.3	3234.8
-42.5°	4434.7	4378.6	4262.2	4141.1	4017.0	3907.2	3785.6	3650.1	3506.4	3350.8	3151.0
-45°	4271.0	4251.2	4154.7	4044.8	3937.2	3811.4	3686.3	3542.3	3387.5	3251.8	3056.3
-47.5°	4120.2	4091.3	4017.4	3908.4	3783.4	3659.8	3533.4	3402.5	3278.5	3146.4	2993.1
-50°	3972.8	3903.9	3844.9	3731.9	3616.5	3499.9	3387.9	3290.7	3208.3	3088.7	3007.9
-52.5°	3848.0	3753.4	3693.6	3571.7	3459.3	3388.3	3299.1	3269.7	3223.5	3159.9	3095.4
-55°	3754.6	3655.1	3618.9	3513.5	3428.8	3403.1	3345.0	3316.7	3298.1	3278.7	3231.3
-57.5°	3710.1	3667.0	3644.8	3592.1	3481.0	3458.4	3378.4	3384.1	3400.0	3435.8	3403.9
-60°	3720.3	3733.5	3748.6	3752.1	3626.0	3543.5	3553.7	3536.4	3593.9	3530.4	3244.9
-62.5°	3770.3	3711.6	3700.8	3716.8	3619.0	3542.4	3550.8	3481.8	3355.4	3162.4	2790.7
-65°	3537.8	3478.3	3438.2	3404.9	3309.9	3203.2	3110.9	2967.0	2778.4	2521.2	2231.0
-67.5°	3136.9	3030.9	2916.2	2839.6	2747.7	2615.7	2501.3	2343.4	2168.4	1968.2	1735.6
-70°	2614.0	2524.3	2401.6	2286.1	2181.6	2071.3	1949.3	1818.4	1703.4	1559.3	1367.3
-72.5°	2185.1	2073.2	1981.6	1888.0	1794.4	1706.6	1601.8	1499.2	1398.8	1282.1	1151.8
-75°	1838.1	1757.0	1672.9	1592.0	1516.4	1425.0	1342.2	1264.8	1177.1	1084.8	987.3
-77.5°	1515.3	1460.8	1392.3	1336.9	1277.3	1203.4	1134.8	1052.1	990.7	918.2	833.2
-80°	1277.4	1230.6	1172.5	1130.9	1072.4	1012.5	955.1	888.2	832.9	759.0	688.5
-82.5°	1005.5	967.8	931.2	887.3	838.5	792.9	740.2	691.0	659.0	596.4	542.6
-85°	707.6	689.2	665.5	645.4	614.4	575.9	527.7	488.5	438.0	390.8	344.2
-87.5°	183.2	172.1	158.7	146.4	131.5	112.6	83.4	72.2	69.7	67.1	64.3
-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: P902117 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WB-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°	46.1	43.9	41.5	39.1	36.7	34.1	31.5	28.8	26.1	23.3	20.5
85°	142.2	131.8	120.7	105.6	92.0	81.7	70.7	59.6	52.2	46.6	41.0
82.5°	281.0	255.3	226.8	195.9	165.4	149.4	130.6	107.5	93.9	80.3	68.2
80°	488.1	419.7	353.4	310.2	263.5	225.8	196.3	158.9	137.0	120.0	108.8
77.5°	861.7	644.1	552.1	471.3	385.5	313.7	267.5	225.1	193.4	164.4	149.2
75°	1705.5	1152.1	952.6	759.9	530.1	447.7	380.9	305.6	252.9	218.9	193.4
72.5°	6532.6	4600.2	2440.7	1232.0	892.7	638.7	507.6	423.6	340.4	273.1	239.5
70°	15627.8	10146.6	5273.7	2557.9	1302.0	861.5	672.0	543.8	441.2	353.7	285.1
67.5°	24656.2	16687.8	8894.1	4005.8	1667.4	1091.0	830.4	671.5	544.8	433.8	343.8
65°	32659.9	24037.3	14104.5	5529.0	2382.0	1321.4	1003.4	798.9	650.2	514.6	402.3
62.5°	39974.0	31379.1	20318.8	9862.4	3605.9	1664.8	1183.3	928.1	752.6	600.5	458.1
60°	45439.1	37047.7	27213.4	14601.8	5580.0	2311.4	1393.0	1061.6	856.6	683.3	525.5
57.5°	47564.0	40210.0	30908.5	20034.7	8821.8	3135.2	1670.9	1222.4	957.7	769.1	589.8
55°	47664.8	40832.2	32979.0	23065.8	11897.9	4560.4	1991.2	1371.5	1083.7	853.0	652.7
52.5°	46908.1	40921.6	33619.5	25514.4	15306.2	6043.3	2443.1	1571.4	1208.0	933.2	722.4
50°	46849.2	41488.3	34761.9	27179.3	18359.3	8791.4	3339.5	1748.1	1336.9	1037.9	789.7
47.5°	47114.3	42572.8	36348.5	29014.6	20531.0	11467.2	4285.5	2141.4	1481.5	1139.5	853.2
45°	47372.0	43428.7	37713.0	30695.1	22813.2	13926.0	6145.0	2490.8	1611.6	1231.7	922.2
42.5°	48240.9	44926.0	39624.7	32779.1	24933.4	16744.1	7620.9	2906.6	1790.8	1331.9	991.8
40°	49572.1	46894.7	42240.3	35347.8	27258.0	19272.5	10219.7	3979.1	1972.0	1425.9	1053.5
37.5°	49063.9	47008.6	43078.0	36676.2	29065.3	21301.0	12717.0	4646.5	2124.8	1513.1	1107.5
35°	45497.1	44476.5	41762.7	36743.1	29801.9	22711.0	14370.8	5484.4	2386.6	1600.1	1163.1
32.5°	42366.9	41780.1	39533.4	35439.0	29654.6	23028.3	15402.2	6870.1	2648.7	1683.9	1221.1
30°	40143.5	39929.6	38498.7	35062.8	29911.3	23486.5	16353.8	7689.7	2810.6	1745.3	1273.8
27.5°	37946.7	38107.8	37188.4	34563.8	30149.5	24040.7	17099.0	8066.2	2864.2	1805.0	1318.8
25°	35833.3	36323.0	35838.8	33925.8	30088.9	24405.3	17421.3	8751.1	3161.2	1874.3	1356.1
22.5°	33755.4	34506.4	34488.6	33229.7	29858.0	24575.7	17482.8	9092.0	3496.7	1952.8	1388.4
20°	31783.8	32837.2	32982.8	31969.8	29214.1	24362.3	17481.9	9246.9	3574.7	1994.5	1420.4
17.5°	30092.6	31274.9	31520.6	30671.9	28124.7	23649.6	17061.5	9031.1	3504.6	2021.4	1442.7
15°	28485.9	29648.1	29931.3	29242.0	26835.3	22512.4	16270.1	8608.6	3390.8	2033.5	1460.1
12.5°	26924.2	27942.3	28119.4	27457.0	25266.7	21202.6	15198.6	8095.2	3151.6	2030.0	1474.9
10°	25340.2	26115.9	26141.5	25367.9	23386.4	19575.4	13936.8	7415.8	3122.3	2008.7	1482.0
7.5°	23664.6	24161.1	23955.6	23102.8	21215.9	17686.4	12456.6	6657.1	3017.9	1972.1	1481.2
5°	21840.2	21991.3	21557.4	20549.7	18724.7	15525.6	10782.9	5733.5	2847.7	1933.8	1470.9
2.5°	19632.1	19490.5	18860.6	17726.2	15906.7	13005.7	8943.1	4914.9	2688.1	1890.0	1453.2
0°	16824.1	16491.9	15763.8	14589.7	12828.5	10284.7	6962.6	3986.5	2484.7	1838.5	1428.9
-2.5°	13518.8	12981.8	12209.9	11129.7	9684.0	7783.1	5516.7	3497.4	2375.6	1817.5	1420.3
-5°	10085.1	9529.1	8902.0	8060.2	6964.0	5565.1	4125.5	3000.0	2258.3	1790.7	1406.2
-7.5°	7117.5	6747.0	6241.9	5519.3	4869.3	4207.7	3478.0	2727.3	2163.1	1757.5	1386.4
-10°	5290.0	4978.4	4558.5	4337.7	3931.7	3386.7	2928.4	2506.1	2083.5	1714.1	1352.2
-12.5°	4531.9	4213.4	4022.9	3751.2	3369.4	3043.7	2754.3	2380.9	2009.8	1663.7	1313.6
-15°	4310.1	4037.9	3778.1	3495.1	3202.1	2886.9	2603.6	2298.1	1960.8	1613.1	1274.2
-17.5°	4200.9	3930.7	3665.0	3398.2	3086.2	2780.0	2537.8	2220.9	1908.0	1564.8	1233.7
-20°	4119.2	3849.5	3584.2	3310.7	2997.9	2715.2	2465.6	2136.6	1839.4	1509.7	1188.0



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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°	3959.7	3755.6	3497.0	3221.9	2916.9	2645.9	2373.2	2045.1	1759.6	1444.7	1136.5
-25°	3770.0	3595.6	3382.7	3120.1	2842.1	2554.4	2291.0	1973.7	1677.8	1374.2	1084.0
-27.5°	3557.3	3422.6	3232.4	3008.7	2765.6	2439.6	2221.7	1895.6	1604.3	1307.2	1034.4
-30°	3360.0	3246.4	3063.0	2871.5	2677.8	2388.8	2136.2	1815.8	1527.5	1241.8	981.2
-32.5°	3252.1	3051.1	2883.0	2736.6	2574.4	2328.9	2035.4	1730.2	1452.9	1178.5	924.5
-35°	3165.1	2913.1	2713.8	2602.5	2484.1	2238.2	1927.9	1638.9	1386.7	1110.9	868.6
-37.5°	3079.5	2816.0	2595.4	2494.9	2369.1	2145.2	1842.2	1576.7	1312.6	1044.4	821.0
-40°	2994.4	2751.3	2559.4	2399.6	2274.0	2060.2	1778.7	1501.8	1226.1	981.6	777.3
-42.5°	2923.6	2715.7	2519.5	2319.3	2187.0	1976.0	1688.8	1406.5	1134.4	917.5	730.7
-45°	2848.7	2672.5	2490.1	2296.8	2115.5	1863.6	1561.7	1295.1	1047.7	852.2	681.5
-47.5°	2838.7	2669.5	2493.0	2268.8	2018.5	1741.4	1440.7	1184.6	968.6	794.4	634.3
-50°	2866.3	2671.8	2510.3	2234.5	1920.1	1612.6	1317.6	1079.4	884.2	732.7	587.5
-52.5°	2979.9	2783.9	2547.9	2164.7	1781.4	1467.4	1173.8	982.1	811.1	670.1	537.9
-55°	3121.5	2870.3	2472.2	2030.0	1623.0	1295.3	1052.1	879.1	738.4	612.1	487.0
-57.5°	3132.8	2780.5	2221.7	1802.8	1408.5	1132.9	939.2	794.0	662.4	553.1	446.4
-60°	2910.6	2359.8	1849.9	1474.0	1184.6	995.6	839.7	710.9	594.0	495.1	405.8
-62.5°	2364.0	1910.5	1496.7	1223.9	1024.7	873.1	746.7	640.4	526.7	442.8	363.2
-65°	1870.1	1501.6	1258.0	1053.3	887.4	763.8	657.0	568.4	472.9	391.0	332.3
-67.5°	1480.6	1241.4	1066.2	906.6	763.3	666.3	568.9	500.0	419.0	350.2	300.7
-70°	1204.8	1055.2	906.8	782.0	667.5	575.1	503.0	436.3	372.5	315.8	269.0
-72.5°	1027.2	910.1	791.9	680.7	587.5	510.1	440.2	387.0	333.7	280.9	240.2
-75°	892.5	791.6	690.5	600.1	520.4	452.1	392.1	342.9	295.4	246.4	211.8
-77.5°	751.7	678.2	597.1	517.1	454.7	400.7	343.1	299.0	259.9	210.4	175.6
-80°	622.0	555.9	497.7	430.8	379.2	332.3	293.3	253.8	215.3	156.6	124.4
-82.5°	490.3	428.3	383.5	336.5	296.0	244.6	209.5	165.3	132.1	95.2	72.2
-85°	300.7	248.6	210.5	168.4	137.1	108.9	87.4	65.2	52.2	46.6	41.0
-87.5°	61.5	58.5	52.5	39.1	36.7	34.1	31.5	28.8	26.1	23.3	20.5
-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°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
85°	35.3	29.5	23.7	17.8	11.9	5.9	0.0
82.5°	52.9	44.2	35.5	26.7	17.8	8.9	0.0
80°	86.0	63.0	47.2	35.5	23.7	11.8	0.0
77.5°	120.7	92.0	63.0	44.2	29.5	14.8	0.0
75°	155.1	120.7	85.9	52.9	35.3	17.7	0.0
72.5°	192.6	149.2	108.5	67.5	41.0	20.5	0.0
70°	230.2	177.7	130.7	83.4	46.6	23.3	0.0
67.5°	266.4	206.1	152.5	98.7	52.2	26.1	0.0
65°	305.9	233.8	173.2	113.6	59.6	28.8	0.0
62.5°	348.6	260.7	192.5	127.9	68.5	31.5	0.0
60°	388.8	290.4	210.8	141.5	77.2	34.1	0.0
57.5°	426.5	323.7	227.9	154.4	85.7	36.7	0.0
55°	482.1	356.1	243.8	165.7	94.0	39.1	0.0
52.5°	535.5	387.3	260.2	176.6	102.0	41.5	0.0
50°	584.0	415.3	282.6	187.0	109.7	43.9	0.0
47.5°	628.7	450.3	304.2	197.0	117.2	46.1	0.0
45°	677.4	484.5	324.8	206.4	124.4	48.3	0.0
42.5°	723.5	517.8	344.0	215.3	131.2	50.3	0.0
40°	767.3	550.1	361.8	224.0	137.8	52.3	0.0
37.5°	806.9	581.4	378.1	232.0	144.0	54.1	0.0
35°	846.9	608.3	396.5	242.4	149.4	56.8	0.0
32.5°	886.7	631.2	414.3	253.1	154.1	59.5	0.0
30°	922.6	652.4	429.8	262.7	158.5	62.1	0.0
27.5°	954.0	671.7	444.0	271.3	162.2	64.5	0.0
25°	980.0	689.0	456.5	278.9	165.4	66.7	0.0
22.5°	1000.7	704.6	467.2	285.5	168.1	68.7	0.0
20°	1018.1	718.2	476.0	291.0	170.3	70.5	0.0
17.5°	1035.9	729.1	483.0	296.0	172.1	72.1	0.0
15°	1050.1	738.5	488.3	300.4	173.3	73.5	0.0
12.5°	1059.4	746.2	494.8	304.0	174.2	74.7	0.0
10°	1063.8	752.1	500.9	306.9	174.6	75.6	0.0
7.5°	1067.3	756.1	505.5	308.9	174.7	76.4	0.0
5°	1067.5	757.2	508.5	310.1	174.4	76.9	0.0
2.5°	1063.6	755.5	509.9	310.3	173.8	77.2	0.0
0°	1055.8	750.9	509.7	309.5	172.9	77.4	0.0
-2.5°	1050.2	748.3	505.7	307.2	172.8	77.2	0.0
-5°	1041.1	743.0	500.1	303.9	172.4	76.9	0.0
-7.5°	1028.6	734.9	493.0	299.6	171.7	76.4	0.0
-10°	1011.7	724.1	484.4	294.5	170.8	75.6	0.0
-12.5°	988.3	708.6	474.2	288.6	169.7	74.7	0.0
-15°	960.3	688.3	463.0	281.9	168.2	73.5	0.0
-17.5°	927.6	667.4	451.7	274.6	166.6	72.1	0.0
-20°	892.2	646.1	439.2	267.0	164.6	70.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	861.6	623.3	425.5	260.0	162.5	68.7	0.0
-25°	830.1	600.6	410.7	252.3	160.1	66.7	0.0
-27.5°	795.8	576.6	394.8	243.9	157.4	64.5	0.0
-30°	758.4	550.7	377.9	234.9	154.6	62.1	0.0
-32.5°	718.7	523.0	360.0	225.3	151.6	59.5	0.0
-35°	679.4	493.5	341.2	215.2	148.2	56.8	0.0
-37.5°	641.6	465.1	323.3	206.0	144.0	54.1	0.0
-40°	603.9	440.1	309.1	200.5	137.8	52.3	0.0
-42.5°	565.3	413.8	295.0	194.8	131.2	50.3	0.0
-45°	526.8	386.2	281.1	189.5	124.4	48.3	0.0
-47.5°	487.9	357.4	267.3	183.6	117.2	46.1	0.0
-50°	452.9	327.6	252.6	177.0	109.7	43.9	0.0
-52.5°	416.4	308.2	236.9	170.0	102.0	41.5	0.0
-55°	377.8	289.9	223.7	162.3	94.0	39.1	0.0
-57.5°	339.1	271.9	210.8	154.1	85.7	36.7	0.0
-60°	320.4	254.0	197.6	141.5	77.2	34.1	0.0
-62.5°	300.0	237.3	184.0	127.9	68.5	31.5	0.0
-65°	277.8	221.0	170.1	113.6	59.6	28.8	0.0
-67.5°	253.9	203.9	152.5	98.7	52.2	26.1	0.0
-70°	228.7	186.1	130.7	83.4	46.6	23.3	0.0
-72.5°	202.3	161.4	108.5	67.5	41.0	20.5	0.0
-75°	171.9	129.9	85.9	52.9	35.3	17.7	0.0
-77.5°	131.8	97.5	63.0	44.2	29.5	14.8	0.0
-80°	91.3	64.3	47.2	35.5	23.7	11.8	0.0
-82.5°	52.9	44.2	35.5	26.7	17.8	8.9	0.0
-85°	35.3	29.5	23.7	17.8	11.9	5.9	0.0
-87.5°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)