

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: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-44)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

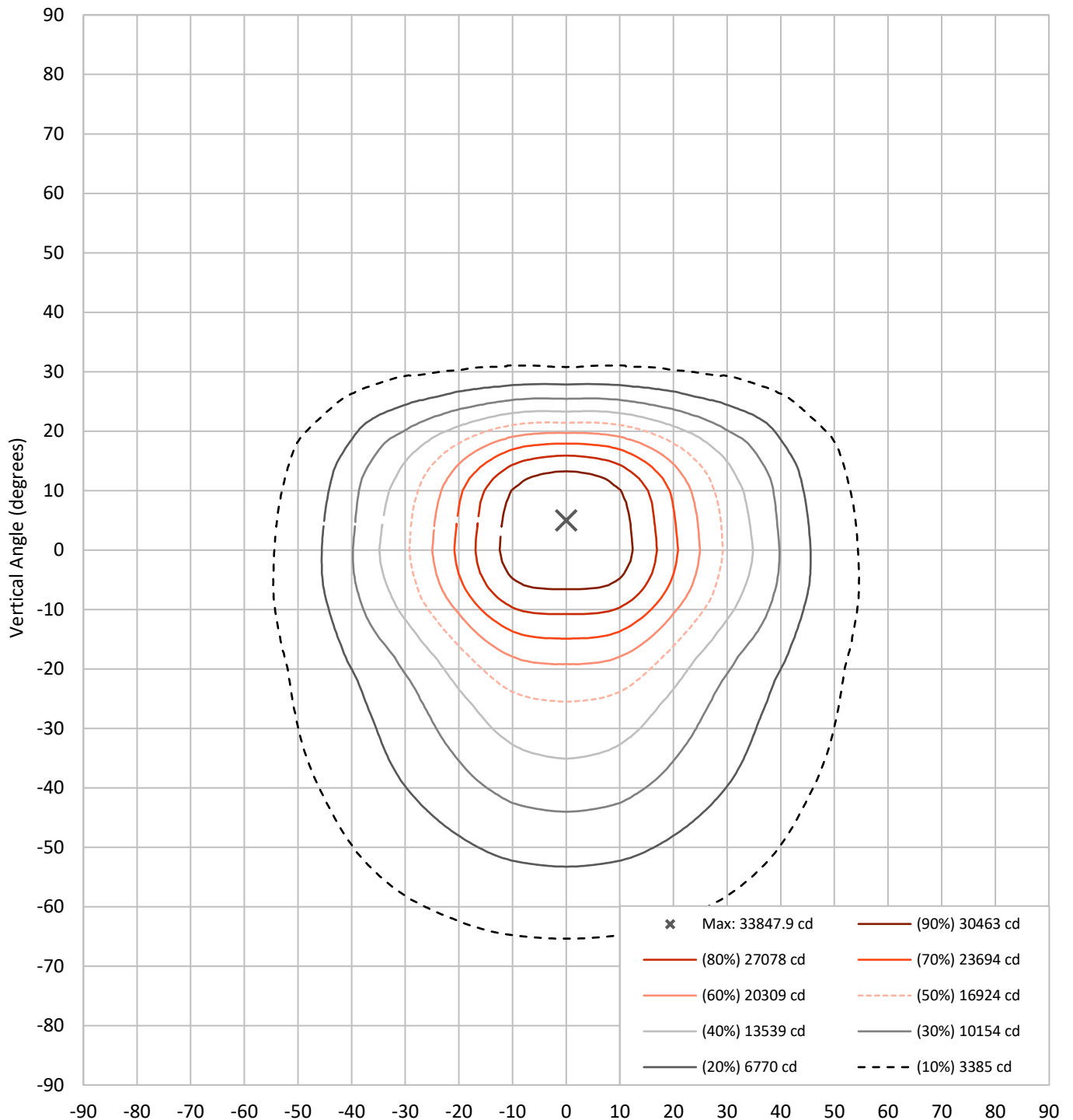
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	33165.2 lumens	Max Intensity:	33847.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	96.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.7°H x 46.8°V	Field Angle (10%):	107.9°H x 96.1°V
Beam Lumens:	15951.8 lumens	Field Lumens:	30745.2 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 344.2
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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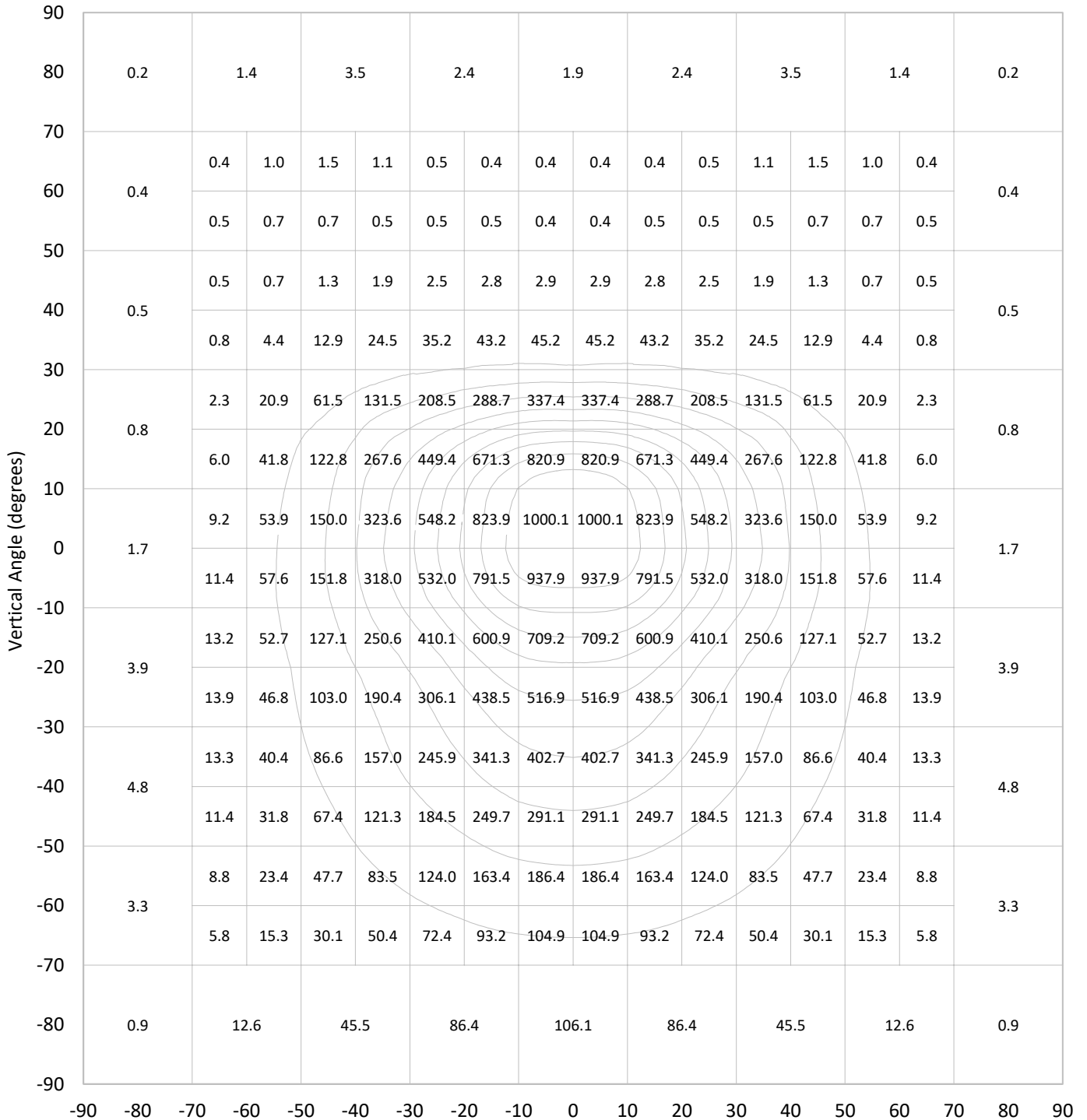
Iso-Candela Plot





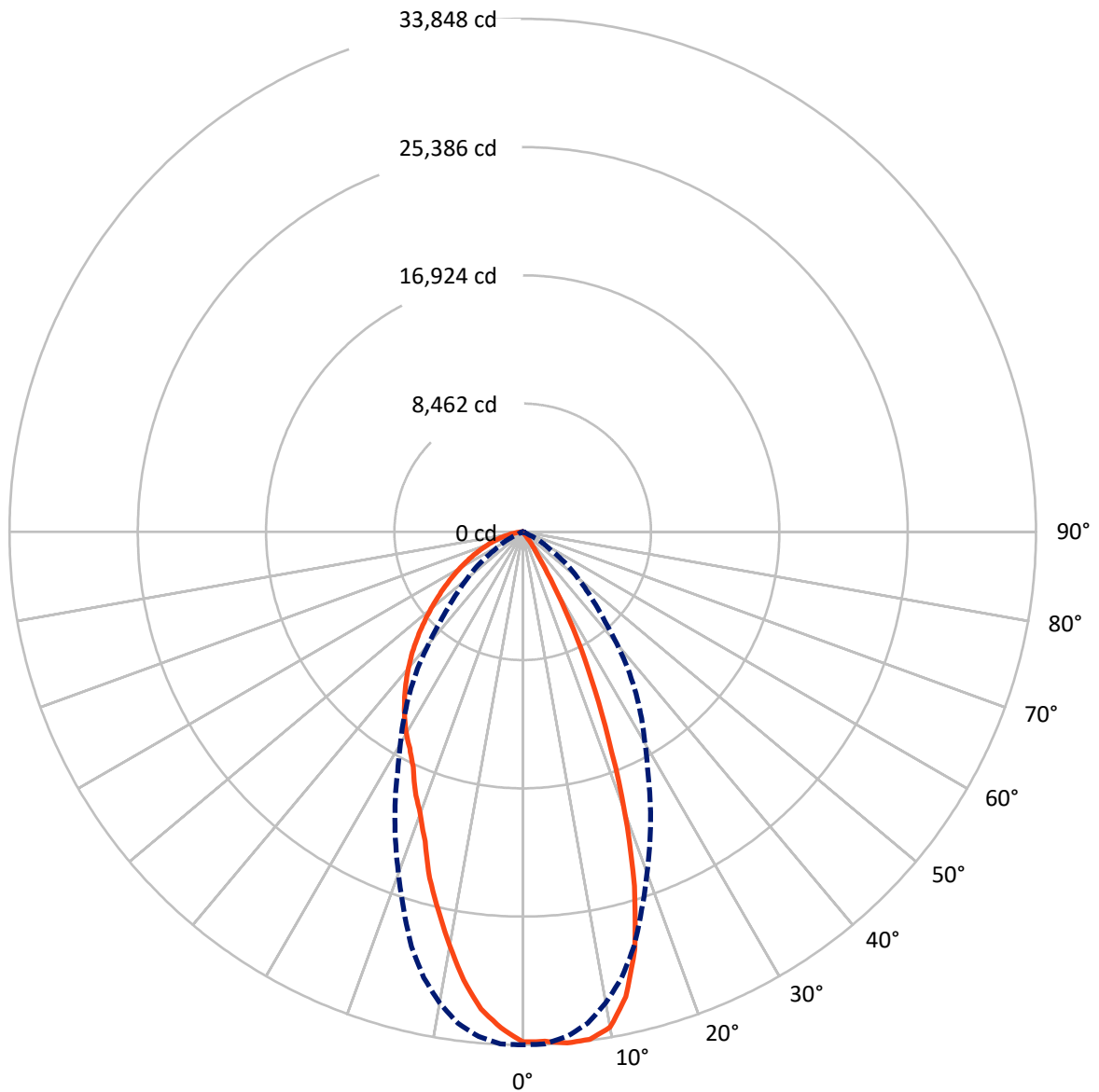
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Lumen Table



REPORT NUMBER: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)
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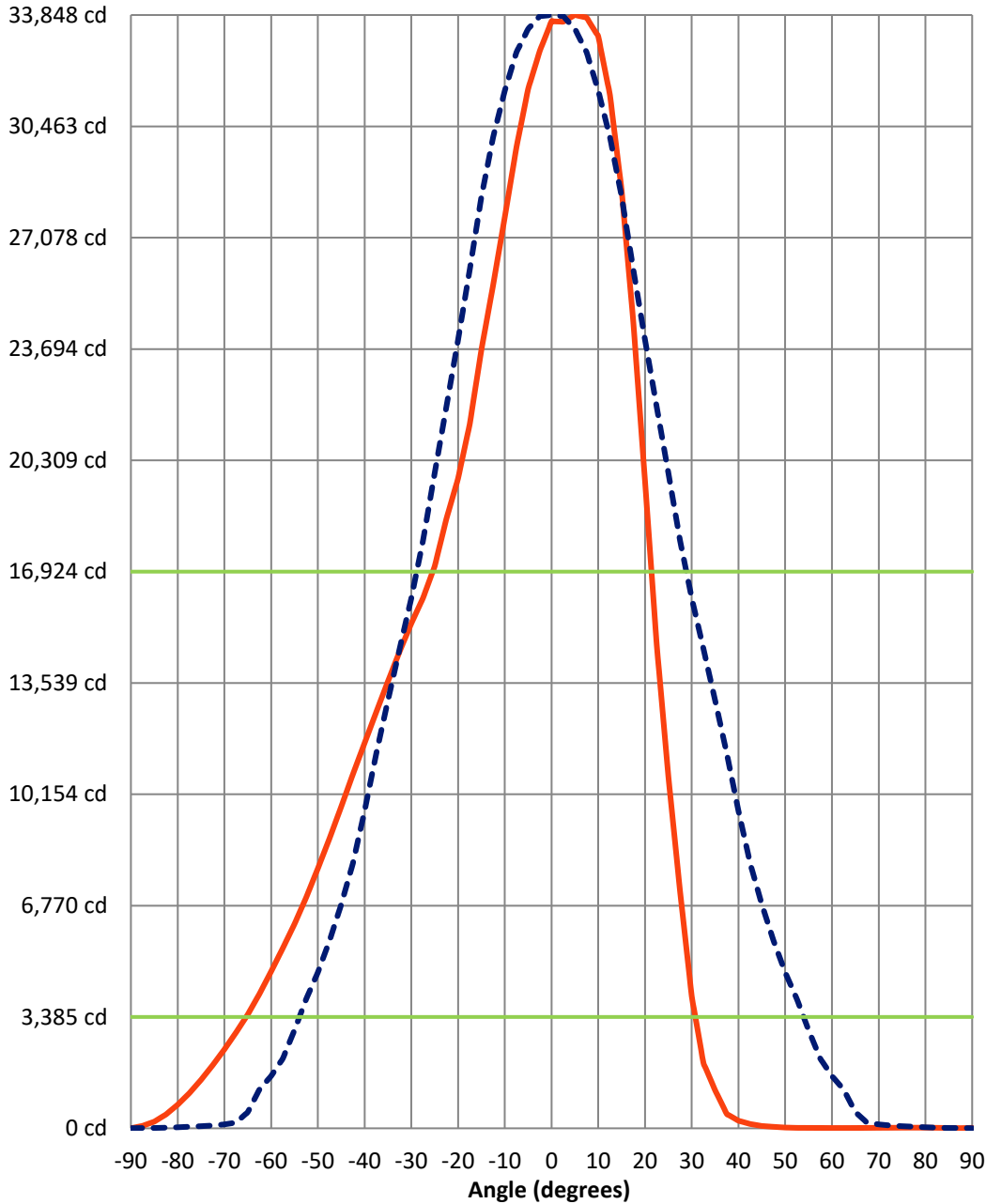
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 15951.8
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 30745.2
 Efficiency: 92.7%

Spill:
 Lumens: 2420.1
 Efficiency: 7.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 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°	4.6	5.2	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.8	8.1
87.5°	4.6	5.4	6.2	6.3	6.4	6.7	7.0	6.9	6.8	6.6	6.4
85°	4.6	5.6	6.6	7.0	7.6	8.4	9.4	9.6	9.6	9.5	9.4
82.5°	4.6	5.7	7.0	7.8	8.8	10.1	11.8	12.2	12.4	13.0	14.4
80°	4.6	5.9	7.4	8.5	10.0	11.8	13.9	14.1	15.3	17.4	20.5
77.5°	4.6	6.1	7.7	9.2	11.1	13.0	14.4	15.6	18.0	21.6	25.2
75°	4.6	6.2	8.1	9.9	12.0	13.3	14.9	17.0	20.3	23.2	26.0
72.5°	4.6	6.4	8.5	10.6	12.1	13.4	15.3	18.0	20.9	23.8	26.7
70°	4.6	6.5	8.8	11.1	12.1	13.6	15.7	18.5	21.4	24.4	28.1
67.5°	4.6	6.7	9.2	11.0	12.1	13.7	16.2	18.9	21.9	25.8	29.6
65°	4.6	6.8	9.5	10.9	12.0	14.0	16.6	19.3	23.1	27.1	31.3
62.5°	4.6	7.0	9.8	10.8	11.9	14.5	17.1	20.1	24.2	28.4	33.3
60°	4.6	7.1	10.1	10.6	11.8	15.0	17.6	21.0	25.2	29.9	35.2
57.5°	4.6	7.2	10.0	10.5	12.2	15.4	18.5	21.9	26.3	31.3	36.1
55°	4.6	7.4	9.9	10.3	12.6	15.9	19.4	22.9	27.3	32.4	36.7
52.5°	4.6	7.5	9.8	10.1	13.0	16.4	20.3	24.0	28.1	33.0	37.3
50°	4.6	7.6	9.8	9.9	13.4	17.1	21.2	25.3	28.8	33.7	37.5
47.5°	4.6	7.7	9.7	9.8	13.8	17.8	22.1	26.6	29.4	34.3	38.1
45°	4.6	7.8	9.7	10.1	14.2	18.5	23.4	28.1	31.1	35.5	39.3
42.5°	4.6	7.9	9.7	10.3	14.5	19.2	24.7	29.8	33.1	37.1	41.3
40°	4.6	7.9	9.6	10.7	14.9	19.8	26.1	31.6	35.6	39.3	43.9
37.5°	4.6	8.0	9.6	11.3	15.4	20.4	27.6	33.7	38.7	43.1	47.1
35°	4.6	8.1	9.6	11.8	15.8	21.3	29.1	35.8	42.0	47.8	51.7
32.5°	4.6	8.1	9.7	12.4	16.2	22.5	30.7	38.1	45.5	52.9	60.2
30°	4.6	8.2	9.7	13.0	16.6	23.6	32.5	40.7	49.1	58.7	70.1
27.5°	4.6	8.2	9.7	13.6	17.8	24.7	34.3	43.6	53.2	64.8	81.1
25°	4.6	8.2	9.8	14.2	19.1	25.8	36.1	46.5	58.2	73.1	94.4
22.5°	4.6	8.3	9.8	14.8	20.5	27.4	38.0	49.5	63.3	82.7	138.5
20°	4.6	8.3	9.9	15.5	22.0	30.4	39.8	52.4	68.6	92.8	187.9
17.5°	4.6	8.3	10.0	16.1	23.5	33.4	43.3	55.3	74.0	103.2	241.5
15°	4.6	8.3	10.0	16.7	25.0	36.4	47.6	59.7	79.4	113.7	297.8
12.5°	4.6	8.3	10.1	17.3	26.5	39.4	51.9	66.0	87.7	124.3	355.4
10°	4.6	8.2	10.2	17.8	28.0	42.4	56.2	72.4	98.4	140.5	409.8
7.5°	4.6	8.2	10.2	18.3	29.5	45.3	60.3	78.6	109.0	157.4	454.0
5°	4.6	8.2	10.3	18.8	31.0	48.2	64.4	84.7	119.5	173.8	492.6
2.5°	4.6	8.1	10.3	19.3	32.3	50.9	68.2	90.7	129.6	189.5	525.1
0°	4.6	8.1	10.4	19.7	33.6	53.4	71.9	96.3	139.2	204.2	551.0
-2.5°	4.6	8.2	11.2	22.1	39.1	63.8	89.9	126.6	186.5	273.1	622.9
-5°	4.6	8.4	12.0	24.4	44.4	73.9	107.5	156.1	232.3	339.8	687.8
-7.5°	4.6	8.5	12.8	26.7	49.4	83.6	124.4	184.4	276.1	403.4	745.6
-10°	4.6	8.6	13.5	28.8	54.2	92.7	140.5	211.0	317.1	462.8	796.4
-12.5°	4.6	8.8	14.2	30.7	58.6	101.1	155.4	235.6	354.8	517.2	843.8
-15°	4.6	8.9	14.9	32.5	62.6	108.8	169.0	257.7	390.4	566.3	884.3
-17.5°	4.6	9.0	15.5	34.1	66.2	115.5	181.1	281.4	424.8	609.7	915.7
-20°	4.6	9.0	16.0	35.4	69.2	121.2	194.3	305.6	455.1	647.0	937.5



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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°	4.6	9.1	16.5	36.5	71.7	125.9	210.1	326.6	481.0	677.5	949.6
-25°	4.6	9.1	16.9	37.4	73.5	133.0	223.5	344.3	502.3	700.9	951.6
-27.5°	4.6	9.2	17.3	38.0	74.8	140.1	234.5	358.3	518.6	719.3	974.2
-30°	4.6	9.2	17.5	38.3	75.6	145.7	242.8	368.7	532.5	735.8	988.4
-32.5°	4.6	9.2	17.7	38.3	78.5	149.6	248.3	377.5	543.0	745.6	992.8
-35°	4.6	9.2	17.8	38.0	80.3	151.8	252.2	383.0	548.2	748.5	986.9
-37.5°	4.6	9.1	17.9	37.4	81.2	152.8	254.1	384.5	548.0	744.6	957.8
-40°	4.6	9.1	17.8	36.4	81.0	153.4	253.4	381.9	542.3	737.7	927.0
-42.5°	4.6	9.0	17.6	35.6	80.6	152.2	250.0	375.1	533.7	712.5	890.4
-45°	4.6	8.9	17.4	35.2	80.1	149.4	243.9	365.8	520.9	680.9	849.1
-47.5°	4.6	8.9	17.1	34.3	78.7	145.0	235.3	355.0	502.4	644.9	808.1
-50°	4.6	8.7	16.7	34.0	76.5	138.9	226.6	340.7	471.3	608.8	761.8
-52.5°	4.6	8.6	16.2	33.6	73.4	131.1	216.1	322.9	441.0	568.7	711.1
-55°	4.6	8.5	15.6	32.9	69.5	124.6	203.3	302.3	409.3	524.6	660.0
-57.5°	4.6	8.3	14.9	31.8	64.8	117.4	188.3	282.3	374.6	481.8	604.5
-60°	4.6	8.1	14.2	30.4	59.5	109.0	171.7	257.1	338.3	436.9	547.0
-62.5°	4.6	7.9	13.6	28.6	55.8	99.4	158.0	229.2	304.3	388.7	490.1
-65°	4.6	7.7	13.1	26.5	51.5	88.8	142.7	201.7	268.3	343.9	429.4
-67.5°	4.6	7.5	12.5	24.1	46.6	78.9	125.9	177.9	230.3	298.5	372.9
-70°	4.6	7.3	11.8	21.4	41.3	69.9	107.9	153.0	199.5	251.0	316.8
-72.5°	4.6	7.1	11.2	19.6	35.5	60.3	92.8	127.1	167.6	212.3	261.0
-75°	4.6	6.8	10.5	17.9	29.3	50.0	77.4	104.5	134.5	172.4	213.8
-77.5°	4.6	6.6	9.7	16.1	25.3	39.2	61.2	82.8	106.6	133.4	165.2
-80°	4.6	6.3	9.0	14.2	21.7	31.5	44.4	60.4	78.6	99.1	122.0
-82.5°	4.6	6.0	8.2	12.3	18.0	25.4	34.5	41.6	50.0	64.2	80.1
-85°	4.6	5.8	7.4	10.2	14.2	19.3	25.5	30.2	35.2	40.6	46.3
-87.5°	4.6	5.5	6.6	8.2	10.3	13.0	16.3	18.8	21.4	24.2	27.2
-90°	4.6	5.2	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8	3.5



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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°	8.1	8.1	8.1	8.1	8.4	8.7	9.0	9.3	9.9	10.5	11.0
87.5°	6.8	7.2	7.7	8.1	7.6	6.9	6.0	5.1	5.4	5.7	6.0
85°	10.1	11.0	12.0	12.8	12.2	11.7	11.4	11.1	11.7	12.3	12.6
82.5°	15.8	16.8	17.4	17.5	17.8	18.4	19.4	21.5	22.8	23.7	24.1
80°	22.1	22.7	23.2	24.7	27.5	30.8	34.4	38.4	39.7	39.8	39.3
77.5°	25.9	27.3	30.0	34.1	38.6	43.2	48.3	53.8	55.4	54.9	53.9
75°	28.1	31.4	36.2	42.1	48.1	54.3	60.9	67.1	68.9	66.9	64.3
72.5°	30.3	35.4	41.7	49.3	56.0	62.3	69.4	77.2	79.9	75.9	71.3
70°	32.5	38.8	46.1	53.6	61.2	68.4	75.3	82.8	87.2	81.0	71.6
67.5°	34.4	41.7	49.4	57.2	64.0	71.1	78.9	82.0	84.0	74.0	63.4
65°	36.5	44.3	51.3	58.2	65.5	68.4	70.9	73.6	73.2	61.9	50.5
62.5°	38.6	45.1	51.8	57.2	59.0	60.7	60.7	59.0	56.2	48.4	38.6
60°	39.4	45.0	49.6	51.4	51.9	50.2	48.0	45.8	42.4	35.9	29.2
57.5°	39.9	42.9	45.0	45.6	43.6	40.3	38.8	35.3	32.4	28.6	23.1
55°	39.7	39.3	40.5	39.5	37.1	34.4	31.7	29.5	25.9	24.7	22.3
52.5°	38.7	36.9	36.3	35.1	33.5	30.8	28.1	26.3	25.4	24.0	21.9
50°	38.3	36.0	33.2	33.1	31.9	29.9	27.0	26.6	26.7	25.4	23.0
47.5°	38.8	36.1	32.6	32.6	32.8	33.5	31.1	30.0	30.4	33.8	30.2
45°	40.1	38.6	34.9	34.9	38.1	42.4	46.3	35.6	46.3	51.7	55.9
42.5°	42.2	42.8	44.7	38.1	50.4	65.9	73.3	77.1	73.1	90.0	107.5
40°	46.8	48.4	61.4	66.5	71.7	103.8	148.3	158.7	120.6	167.7	196.8
37.5°	52.6	68.9	91.5	118.7	116.2	183.2	252.9	306.3	301.0	284.7	407.6
35°	59.1	94.2	154.9	215.6	242.3	305.8	434.3	527.3	582.7	616.2	717.4
32.5°	77.4	124.1	234.3	363.2	474.2	537.2	658.5	862.6	1055.7	1170.9	1169.8
30°	109.4	197.7	346.3	544.4	760.2	937.2	1037.5	1299.7	1667.7	1929.4	2103.8
27.5°	156.6	287.2	519.1	806.1	1108.4	1408.8	1609.1	1949.9	2445.0	2843.8	3216.4
25°	214.4	429.3	713.7	1117.2	1561.8	1943.4	2231.6	2705.1	3332.5	3958.1	4581.4
22.5°	306.4	594.4	929.6	1457.4	2062.1	2496.0	2919.1	3496.4	4222.0	5100.2	6050.5
20°	434.6	786.5	1160.2	1724.4	2562.5	3058.4	3577.9	4266.8	5113.2	6180.6	7449.4
17.5°	573.1	967.9	1386.3	2015.2	2833.0	3520.2	4217.8	5002.9	5951.3	7189.5	8556.3
15°	718.8	1138.5	1588.3	2274.9	3086.2	3828.6	4654.0	5675.2	6793.6	8132.7	9562.4
12.5°	868.2	1298.2	1767.3	2503.7	3328.0	4108.1	4988.4	6050.4	7351.5	8922.2	10423.1
10°	1017.5	1446.9	1924.7	2701.9	3554.7	4357.9	5275.5	6362.1	7685.9	9259.6	10881.8
7.5°	1109.1	1545.1	2053.3	2870.2	3762.7	4577.7	5516.5	6612.5	7917.5	9500.8	11172.7
5°	1178.4	1589.3	2120.1	2984.9	3927.1	4740.5	5704.6	6804.4	8056.9	9647.8	11393.6
2.5°	1232.3	1621.8	2173.5	3070.1	4051.4	4829.0	5816.6	6927.2	8202.2	9830.4	11616.6
0°	1270.3	1643.8	2212.2	3128.6	4144.9	4886.1	5889.6	7000.9	8303.6	9989.2	11815.1
-2.5°	1307.2	1711.8	2291.0	3203.2	4158.4	4894.6	5917.4	7003.9	8303.6	9958.4	11732.8
-5°	1330.4	1768.4	2353.2	3250.2	4144.5	4877.1	5902.0	6961.9	8213.1	9777.9	11427.9
-7.5°	1342.4	1811.6	2398.1	3257.3	4072.9	4774.2	5717.5	6713.9	7914.4	9380.7	10902.1
-10°	1348.8	1837.7	2393.4	3159.2	3924.2	4608.8	5471.2	6425.7	7556.7	8920.1	10327.8
-12.5°	1366.5	1851.8	2371.7	3052.2	3762.8	4421.8	5198.0	6101.9	7141.7	8405.1	9696.6
-15°	1376.1	1859.0	2341.6	2941.7	3593.1	4214.7	4902.3	5745.6	6692.1	7822.3	8968.2
-17.5°	1378.8	1860.3	2304.9	2832.9	3419.3	3989.0	4611.4	5440.2	6302.1	7278.0	8255.3
-20°	1375.8	1856.8	2263.3	2730.5	3248.4	3825.0	4453.3	5176.4	5947.9	6773.1	7587.3



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1368.2	1849.5	2228.2	2657.9	3166.3	3717.5	4295.5	4921.1	5585.0	6301.6	7127.3
-25°	1364.4	1823.0	2204.7	2606.5	3086.8	3604.5	4129.6	4685.4	5264.2	6014.7	6802.2
-27.5°	1358.4	1794.9	2158.7	2535.2	2994.9	3490.3	3982.8	4490.2	5084.4	5758.6	6489.5
-30°	1340.5	1727.1	2096.0	2451.6	2897.7	3374.9	3845.3	4327.6	4889.8	5525.5	6203.5
-32.5°	1290.0	1650.1	2012.8	2370.0	2780.7	3248.5	3703.3	4170.9	4692.5	5262.1	5914.4
-35°	1233.6	1570.6	1919.5	2268.8	2644.0	3095.2	3537.6	3989.7	4473.8	5008.2	5616.3
-37.5°	1192.5	1485.3	1819.5	2154.8	2514.9	2915.7	3349.6	3784.7	4243.1	4752.3	5327.5
-40°	1143.6	1394.4	1718.1	2039.0	2366.8	2736.4	3141.7	3559.3	3989.6	4497.4	5024.5
-42.5°	1088.9	1331.1	1613.0	1916.2	2225.4	2561.3	2923.0	3320.4	3752.1	4224.5	4719.4
-45°	1041.6	1259.9	1507.9	1791.6	2078.8	2383.1	2718.6	3073.8	3500.3	3939.8	4399.4
-47.5°	987.9	1185.6	1418.8	1659.8	1930.4	2211.0	2507.7	2853.8	3232.6	3644.2	4065.7
-50°	929.8	1118.3	1317.1	1541.3	1781.1	2037.9	2308.8	2624.6	2970.4	3338.1	3726.0
-52.5°	871.4	1044.0	1227.0	1422.1	1639.9	1870.7	2121.7	2402.8	2708.9	3031.1	3373.4
-55°	807.4	968.5	1135.1	1312.1	1501.9	1711.4	1935.8	2187.2	2450.3	2742.4	3030.3
-57.5°	741.6	887.3	1041.0	1204.8	1375.5	1553.6	1756.9	1969.8	2207.6	2457.3	2711.4
-60°	672.9	803.4	942.6	1093.3	1251.9	1412.4	1577.1	1765.7	1967.5	2175.0	2402.1
-62.5°	600.8	718.0	842.5	976.1	1121.2	1266.4	1414.1	1570.2	1733.7	1920.0	2109.5
-65°	529.4	630.3	741.1	860.0	984.3	1114.7	1247.2	1380.8	1523.9	1677.4	1836.9
-67.5°	454.1	545.3	640.6	741.5	851.9	962.6	1078.1	1199.0	1320.5	1444.9	1575.9
-70°	386.3	458.6	541.7	629.7	718.9	809.5	909.4	1013.1	1119.1	1224.9	1333.8
-72.5°	317.9	380.1	446.5	516.8	591.7	666.3	744.3	825.2	911.3	1000.3	1090.8
-75°	255.8	299.8	354.2	412.9	470.1	526.3	584.8	650.6	718.7	787.4	855.9
-77.5°	198.4	233.5	271.3	311.7	351.5	396.7	442.9	490.1	539.4	590.1	641.3
-80°	143.6	165.8	193.7	223.9	252.7	282.0	312.0	342.7	374.9	410.4	448.7
-82.5°	95.2	111.0	127.6	144.9	161.0	177.0	194.1	215.0	236.1	257.8	279.9
-85°	50.9	55.6	65.4	75.7	86.0	96.2	106.5	116.7	127.2	137.4	147.3
-87.5°	29.5	31.9	34.3	36.7	39.3	41.9	44.4	47.0	50.4	53.9	57.4
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



REPORT NUMBER: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.6	11.9	12.2	12.5	12.8	13.1	13.4	13.6	13.9	14.2	14.5
87.5°	6.4	5.9	5.4	4.9	4.4	5.8	7.2	8.6	10.1	9.4	8.6
85°	12.9	13.0	13.0	13.1	13.1	14.7	16.2	17.6	19.0	17.6	16.0
82.5°	24.2	23.9	23.1	21.8	20.2	19.8	19.3	18.6	17.7	16.9	16.3
80°	38.5	36.5	34.0	31.0	27.7	26.0	24.4	22.6	20.6	20.0	19.6
77.5°	51.8	48.2	43.9	39.3	34.4	31.3	28.5	25.5	22.3	21.4	20.8
75°	61.1	56.5	50.5	43.9	37.0	32.2	28.4	24.6	20.9	20.0	19.8
72.5°	66.0	59.7	51.9	42.7	34.0	28.2	24.7	21.5	18.6	17.6	17.2
70°	62.0	52.4	43.5	35.0	27.3	22.1	19.6	17.4	15.4	14.9	15.2
67.5°	52.4	42.7	34.6	27.4	21.2	17.0	15.5	14.3	13.4	13.1	13.1
65°	40.9	32.8	26.2	20.7	16.2	13.6	13.2	12.7	12.2	11.8	11.4
62.5°	30.2	24.0	19.9	16.7	14.3	12.8	12.4	11.9	11.2	10.6	10.2
60°	23.5	18.7	16.5	15.2	14.0	13.0	12.6	12.3	12.1	11.9	11.6
57.5°	20.4	18.0	16.0	15.2	14.6	14.1	13.8	13.6	13.2	12.8	12.3
55°	19.9	18.0	16.3	15.9	15.6	15.3	14.9	14.5	14.0	13.5	13.3
52.5°	20.0	19.1	17.9	17.3	17.5	17.1	16.1	16.6	16.7	16.2	16.0
50°	22.6	22.8	23.1	21.1	23.1	24.0	22.8	23.8	25.3	25.4	25.3
47.5°	32.0	34.1	36.9	34.8	37.4	41.2	40.9	41.2	44.7	45.1	45.0
45°	51.1	60.3	64.7	67.2	66.2	75.2	77.0	74.0	78.8	79.7	78.4
42.5°	102.3	107.4	118.9	128.1	122.9	132.1	134.8	126.5	134.7	138.4	134.4
40°	229.1	182.1	216.2	239.8	231.6	213.5	244.8	233.6	232.6	245.5	235.3
37.5°	452.2	401.4	436.3	503.6	501.2	416.5	511.0	504.8	424.3	519.7	511.4
35°	811.0	905.0	863.0	988.8	1025.3	1044.2	1096.6	1150.7	1091.5	1169.5	1167.5
32.5°	1452.2	1647.1	1733.3	1748.6	1910.0	2041.5	1985.8	2196.8	2183.9	2236.7	2290.6
30°	2292.6	2727.1	2947.0	2952.5	3220.2	3455.9	3530.6	3795.4	3952.0	3926.0	4188.3
27.5°	3657.9	4084.8	4446.8	4755.9	4964.5	5336.1	5853.3	6114.3	6499.1	6649.9	7012.5
25°	5200.6	5730.8	6302.5	6840.3	7281.8	7947.5	8591.2	8997.0	9547.6	9978.9	10417.3
22.5°	6871.7	7575.2	8308.7	9113.1	9934.4	10746.5	11528.3	12278.3	13012.2	13822.8	14318.4
20°	8580.3	9375.4	10268.2	11358.4	12497.9	13477.1	14545.1	15721.0	16845.1	17891.4	18681.8
17.5°	9878.6	11109.1	12076.3	13255.7	14670.7	16050.2	17411.7	18962.4	20392.6	21726.6	22916.4
15°	10870.1	12160.0	13561.9	14985.4	16476.0	18118.6	19991.4	21688.2	23454.9	25024.0	26493.4
12.5°	11734.3	13043.8	14511.0	16171.2	18051.4	19814.9	21777.7	23899.7	25774.1	27617.3	28996.0
10°	12372.2	13826.9	15314.2	16983.5	18900.8	20959.7	23086.9	25231.9	27333.6	29112.9	30594.1
7.5°	12724.0	14269.0	15825.1	17568.3	19539.5	21564.7	23689.6	25929.2	28044.7	29877.1	31237.4
5°	13010.4	14581.1	16119.3	17869.4	19923.2	21935.0	23970.6	26108.1	28323.1	30130.5	31545.7
2.5°	13260.4	14792.9	16293.3	17997.3	20113.9	22134.6	24227.5	26443.3	28585.3	30328.8	31706.4
0°	13477.4	14924.0	16391.5	18080.5	20293.9	22339.0	24398.1	26566.3	28748.3	30446.6	31841.0
-2.5°	13320.4	14738.8	16184.8	17911.2	20022.1	22033.9	24104.6	26300.2	28367.0	30087.3	31439.1
-5°	12911.1	14277.4	15713.2	17435.5	19450.4	21420.9	23464.1	25579.0	27521.8	29241.6	30485.1
-7.5°	12312.7	13650.2	15080.5	16775.7	18650.7	20439.2	22265.2	24225.6	26159.4	27677.8	28862.2
-10°	11647.5	12920.5	14236.9	15727.9	17388.1	19058.6	20736.5	22558.8	24262.7	25688.5	26828.7
-12.5°	10857.8	11988.5	13200.7	14501.1	16025.3	17616.3	19216.3	20812.5	22384.0	23666.6	24699.5
-15°	10004.7	11004.7	12111.7	13369.6	14727.6	16131.6	17574.9	19099.2	20514.5	21709.2	22619.8
-17.5°	9163.3	10058.7	11183.9	12327.5	13425.0	14712.4	16147.8	17408.3	18699.9	19772.7	20577.2
-20°	8449.9	9413.3	10391.6	11368.8	12417.1	13668.8	14885.8	16074.3	17222.0	18198.9	18998.7



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7984.8	8831.3	9666.1	10590.4	11656.1	12760.6	13862.1	14942.7	15981.4	16909.4	17670.1
-25°	7562.0	8278.2	9104.9	10043.4	10943.3	11912.2	12952.2	13855.3	14840.7	15681.0	16331.9
-27.5°	7192.3	7901.1	8712.4	9556.5	10370.4	11243.7	12191.0	13052.9	13939.7	14747.7	15315.7
-30°	6870.5	7604.8	8367.6	9139.8	9906.3	10714.3	11537.6	12370.7	13184.3	13916.9	14462.9
-32.5°	6596.1	7285.0	8000.4	8719.0	9417.9	10153.9	10917.6	11683.5	12437.2	13078.3	13612.8
-35°	6284.2	6943.7	7608.6	8253.9	8901.2	9559.5	10268.3	10985.3	11659.7	12245.0	12766.8
-37.5°	5936.2	6571.6	7178.3	7765.8	8365.9	8974.6	9631.1	10289.9	10909.3	11439.1	11936.6
-40°	5589.8	6168.8	6718.3	7266.7	7816.8	8386.9	8980.6	9570.5	10114.2	10615.3	11078.9
-42.5°	5230.0	5736.8	6236.9	6747.3	7254.8	7768.9	8299.4	8835.7	9320.2	9777.3	10188.3
-45°	4866.9	5301.8	5743.7	6211.2	6674.6	7136.1	7595.4	8048.2	8501.8	8927.7	9274.8
-47.5°	4480.7	4873.2	5274.4	5676.4	6091.6	6512.9	6914.3	7306.3	7707.0	8087.6	8374.4
-50°	4091.0	4454.4	4817.0	5171.2	5538.3	5908.8	6274.6	6619.6	6955.3	7279.0	7503.2
-52.5°	3698.5	4034.6	4366.9	4687.2	5005.7	5321.6	5631.5	5937.5	6231.7	6509.1	6686.8
-55°	3325.9	3625.6	3917.7	4197.5	4478.6	4755.9	5029.3	5297.1	5550.9	5789.4	5926.5
-57.5°	2975.3	3236.4	3492.2	3733.1	3968.3	4196.9	4438.5	4681.8	4910.4	5115.3	5225.8
-60°	2633.8	2868.9	3088.5	3289.8	3491.6	3692.3	3895.8	4096.7	4292.4	4462.6	4557.7
-62.5°	2297.8	2498.8	2685.6	2858.9	3025.6	3191.3	3367.9	3537.3	3698.5	3829.9	3910.5
-65°	2003.5	2173.7	2313.7	2451.6	2588.5	2734.3	2880.9	3020.8	3153.2	3256.2	3324.1
-67.5°	1717.3	1857.3	1973.8	2088.3	2202.9	2318.8	2436.9	2551.3	2661.2	2744.4	2803.4
-70°	1445.3	1551.1	1642.3	1735.5	1830.5	1925.2	2020.1	2111.4	2198.6	2262.1	2309.6
-72.5°	1182.2	1263.9	1334.9	1407.3	1478.6	1552.0	1625.5	1696.2	1763.4	1808.8	1842.1
-75°	923.9	983.2	1040.2	1095.4	1148.6	1203.2	1257.3	1309.0	1357.9	1392.3	1419.7
-77.5°	695.6	737.7	774.9	811.3	846.7	884.6	921.7	956.7	989.4	1013.3	1033.5
-80°	487.3	514.5	538.2	560.5	581.3	604.8	627.8	649.6	669.9	683.9	695.0
-82.5°	302.4	318.3	332.6	345.7	357.7	370.0	381.4	391.8	401.0	412.0	422.1
-85°	156.8	163.4	169.5	175.1	180.2	185.3	189.8	193.9	197.5	199.4	200.8
-87.5°	61.0	62.5	63.9	65.2	66.4	67.9	69.4	70.8	72.1	73.4	74.5
-90°	3.5	3.2	2.9	2.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3



REPORT NUMBER: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.8	15.1	15.1	15.1	15.1	15.1	14.8	14.5	14.2	13.9	13.6
87.5°	7.8	7.0	6.4	5.8	6.4	7.0	7.8	8.6	9.4	10.1	8.6
85°	14.4	12.8	11.6	10.4	11.6	12.8	14.4	16.0	17.6	19.0	17.6
82.5°	15.7	15.1	15.1	15.1	15.1	15.1	15.7	16.3	16.9	17.7	18.6
80°	19.1	18.6	19.1	19.7	19.1	18.6	19.1	19.6	20.0	20.6	22.6
77.5°	20.3	19.7	19.7	19.7	19.7	19.7	20.3	20.8	21.4	22.3	25.5
75°	19.7	19.7	19.2	18.6	19.2	19.7	19.7	19.8	20.0	20.9	24.6
72.5°	16.7	16.3	16.2	16.2	16.2	16.3	16.7	17.2	17.6	18.6	21.5
70°	15.6	16.1	15.7	15.1	15.7	16.1	15.6	15.2	14.9	15.4	17.4
67.5°	13.0	12.9	12.8	12.8	12.8	12.9	13.0	13.1	13.1	13.4	14.3
65°	11.0	10.6	10.4	10.4	10.4	10.6	11.0	11.4	11.8	12.2	12.7
62.5°	9.8	9.4	9.3	9.3	9.3	9.4	9.8	10.2	10.6	11.2	11.9
60°	11.1	10.5	9.9	9.3	9.9	10.5	11.1	11.6	11.9	12.1	12.3
57.5°	12.0	11.7	11.6	11.6	11.6	11.7	12.0	12.3	12.8	13.2	13.6
55°	13.1	12.8	12.8	12.8	12.8	12.8	13.1	13.3	13.5	14.0	14.5
52.5°	15.7	15.2	14.6	13.9	14.6	15.2	15.7	16.0	16.2	16.7	16.6
50°	24.8	23.6	23.0	23.2	23.0	23.6	24.8	25.3	25.4	25.3	23.8
47.5°	45.8	45.8	45.6	45.2	45.6	45.8	45.8	45.0	45.1	44.7	41.2
45°	78.0	74.8	71.9	70.8	71.9	74.8	78.0	78.4	79.7	78.8	74.0
42.5°	137.0	136.3	133.9	131.1	133.9	136.3	137.0	134.4	138.4	134.7	126.5
40°	238.0	234.8	229.2	230.8	229.2	234.8	238.0	235.3	245.5	232.6	233.6
37.5°	495.7	471.9	435.9	436.2	435.9	471.9	495.7	511.4	519.7	424.3	504.8
35°	1160.4	1179.9	1156.8	1156.6	1156.8	1179.9	1160.4	1167.5	1169.5	1091.5	1150.7
32.5°	2220.7	2188.4	2057.6	1989.5	2057.6	2188.4	2220.7	2290.6	2236.7	2183.9	2196.8
30°	4183.6	4204.4	4008.3	4012.6	4008.3	4204.4	4183.6	4188.3	3926.0	3952.0	3795.4
27.5°	7158.7	7318.0	7276.0	7206.2	7276.0	7318.0	7158.7	7012.5	6649.9	6499.1	6114.3
25°	10704.8	10824.8	10744.5	10695.6	10744.5	10824.8	10704.8	10417.3	9978.9	9547.6	8997.0
22.5°	14799.6	14966.6	14924.6	14712.9	14924.6	14966.6	14799.6	14318.4	13822.8	13012.2	12278.3
20°	19332.6	19618.7	19784.9	19677.9	19784.9	19618.7	19332.6	18681.8	17891.4	16845.1	15721.0
17.5°	23761.3	24130.3	24413.2	24508.3	24413.2	24130.3	23761.3	22916.4	21726.6	20392.6	18962.4
15°	27485.3	28012.9	28384.5	28516.3	28384.5	28012.9	27485.3	26493.4	25024.0	23454.9	21688.2
12.5°	30157.8	30844.5	31280.3	31411.2	31280.3	30844.5	30157.8	28996.0	27617.3	25774.1	23899.7
10°	31627.4	32493.1	32989.1	33195.9	32989.1	32493.1	31627.4	30594.1	29112.9	27333.6	25231.9
7.5°	32448.5	33230.3	33699.0	33768.4	33699.0	33230.3	32448.5	31237.4	29877.1	28044.7	25929.2
5°	32715.0	33425.2	33812.1	33847.9	33812.1	33425.2	32715.0	31545.7	30130.5	28323.1	26108.1
2.5°	32831.7	33432.0	33717.3	33644.3	33717.3	33432.0	32831.7	31706.4	30328.8	28585.3	26443.3
0°	32772.0	33308.5	33611.3	33656.5	33611.3	33308.5	32772.0	31841.0	30446.6	28748.3	26566.3
-2.5°	32285.3	32684.9	32899.6	32761.5	32899.6	32684.9	32285.3	31439.1	30087.3	28367.0	26300.2
-5°	31175.7	31463.2	31552.9	31603.2	31552.9	31463.2	31175.7	30485.1	29241.6	27521.8	25579.0
-7.5°	29572.0	29806.6	29895.1	29833.0	29895.1	29806.6	29572.0	28862.2	27677.8	26159.4	24225.6
-10°	27458.2	27673.1	27748.2	27705.4	27748.2	27673.1	27458.2	26828.7	25688.5	24262.7	22558.8
-12.5°	25318.4	25573.2	25631.6	25635.3	25631.6	25573.2	25318.4	24699.5	23666.6	22384.0	20812.5
-15°	23215.0	23506.3	23595.3	23673.1	23595.3	23506.3	23215.0	22619.8	21709.2	20514.5	19099.2
-17.5°	21148.1	21437.5	21512.6	21411.0	21512.6	21437.5	21148.1	20577.2	19772.7	18699.9	17408.3
-20°	19449.2	19599.2	19759.2	19757.9	19759.2	19599.2	19449.2	18998.7	18198.9	17222.0	16074.3



REPORT NUMBER: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18046.0	18294.0	18430.3	18527.1	18430.3	18294.0	18046.0	17670.1	16909.4	15981.4	14942.7
-25°	16730.0	16940.6	17025.3	17089.8	17025.3	16940.6	16730.0	16331.9	15681.0	14840.7	13855.3
-27.5°	15716.2	15929.9	16050.8	16122.3	16050.8	15929.9	15716.2	15315.7	14747.7	13939.7	13052.9
-30°	14907.7	15117.7	15261.7	15352.1	15261.7	15117.7	14907.7	14462.9	13916.9	13184.3	12370.7
-32.5°	14036.5	14256.1	14406.2	14499.4	14406.2	14256.1	14036.5	13612.8	13078.3	12437.2	11683.5
-35°	13131.2	13350.8	13512.8	13588.8	13512.8	13350.8	13131.2	12766.8	12245.0	11659.7	10985.3
-37.5°	12251.7	12456.7	12599.9	12656.1	12599.9	12456.7	12251.7	11936.6	11439.1	10909.3	10289.9
-40°	11334.8	11528.3	11661.3	11713.0	11661.3	11528.3	11334.8	11078.9	10615.3	10114.2	9570.5
-42.5°	10410.3	10590.9	10713.7	10765.2	10713.7	10590.9	10410.3	10188.3	9777.3	9320.2	8835.7
-45°	9473.9	9634.4	9738.4	9778.0	9738.4	9634.4	9473.9	9274.8	8927.7	8501.8	8048.2
-47.5°	8552.1	8696.9	8786.2	8815.2	8786.2	8696.9	8552.1	8374.4	8087.6	7707.0	7306.3
-50°	7652.4	7771.0	7852.7	7898.8	7852.7	7771.0	7652.4	7503.2	7279.0	6955.3	6619.6
-52.5°	6820.1	6927.8	6991.9	7017.1	6991.9	6927.8	6820.1	6686.8	6509.1	6231.7	5937.5
-55°	6040.0	6133.2	6187.7	6209.7	6187.7	6133.2	6040.0	5926.5	5789.4	5550.9	5297.1
-57.5°	5319.7	5396.1	5447.5	5476.6	5447.5	5396.1	5319.7	5225.8	5115.3	4910.4	4681.8
-60°	4636.7	4699.3	4742.5	4767.8	4742.5	4699.3	4636.7	4557.7	4462.6	4292.4	4096.7
-62.5°	3977.5	4030.7	4065.6	4085.7	4065.6	4030.7	3977.5	3910.5	3829.9	3698.5	3537.3
-65°	3381.4	3428.1	3450.6	3459.3	3450.6	3428.1	3381.4	3324.1	3256.2	3153.2	3020.8
-67.5°	2854.1	2896.0	2911.2	2914.0	2911.2	2896.0	2854.1	2803.4	2744.4	2661.2	2551.3
-70°	2350.7	2384.9	2396.4	2397.8	2396.4	2384.9	2350.7	2309.6	2262.1	2198.6	2111.4
-72.5°	1869.6	1891.1	1907.8	1918.7	1907.8	1891.1	1869.6	1842.1	1808.8	1763.4	1696.2
-75°	1442.7	1461.1	1469.1	1472.1	1469.1	1461.1	1442.7	1419.7	1392.3	1357.9	1309.0
-77.5°	1050.7	1064.7	1067.9	1067.2	1067.9	1064.7	1050.7	1033.5	1013.3	989.4	956.7
-80°	703.8	710.4	714.6	716.9	714.6	710.4	703.8	695.0	683.9	669.9	649.6
-82.5°	431.2	439.2	431.0	421.1	431.0	439.2	431.2	422.1	412.0	401.0	391.8
-85°	201.7	202.0	202.8	203.0	202.8	202.0	201.7	200.8	199.4	197.5	193.9
-87.5°	75.5	76.4	75.9	75.4	75.9	76.4	75.5	74.5	73.4	72.1	70.8
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



REPORT NUMBER: P701335 (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°	13.4	13.1	12.8	12.5	12.2	11.9	11.6	11.0	10.5	9.9	9.3
87.5°	7.2	5.8	4.4	4.9	5.4	5.9	6.4	6.0	5.7	5.4	5.1
85°	16.2	14.7	13.1	13.1	13.0	13.0	12.9	12.6	12.3	11.7	11.1
82.5°	19.3	19.8	20.2	21.8	23.1	23.9	24.2	24.1	23.7	22.8	21.5
80°	24.4	26.0	27.7	31.0	34.0	36.5	38.5	39.3	39.8	39.7	38.4
77.5°	28.5	31.3	34.4	39.3	43.9	48.2	51.8	53.9	54.9	55.4	53.8
75°	28.4	32.2	37.0	43.9	50.5	56.5	61.1	64.3	66.9	68.9	67.1
72.5°	24.7	28.2	34.0	42.7	51.9	59.7	66.0	71.3	75.9	79.9	77.2
70°	19.6	22.1	27.3	35.0	43.5	52.4	62.0	71.6	81.0	87.2	82.8
67.5°	15.5	17.0	21.2	27.4	34.6	42.7	52.4	63.4	74.0	84.0	82.0
65°	13.2	13.6	16.2	20.7	26.2	32.8	40.9	50.5	61.9	73.2	73.6
62.5°	12.4	12.8	14.3	16.7	19.9	24.0	30.2	38.6	48.4	56.2	59.0
60°	12.6	13.0	14.0	15.2	16.5	18.7	23.5	29.2	35.9	42.4	45.8
57.5°	13.8	14.1	14.6	15.2	16.0	18.0	20.4	23.1	28.6	32.4	35.3
55°	14.9	15.3	15.6	15.9	16.3	18.0	19.9	22.3	24.7	25.9	29.5
52.5°	16.1	17.1	17.5	17.3	17.9	19.1	20.0	21.9	24.0	25.4	26.3
50°	22.8	24.0	23.1	21.1	23.1	22.8	22.6	23.0	25.4	26.7	26.6
47.5°	40.9	41.2	37.4	34.8	36.9	34.1	32.0	30.2	33.8	30.4	30.0
45°	77.0	75.2	66.2	67.2	64.7	60.3	51.1	55.9	51.7	46.3	35.6
42.5°	134.8	132.1	122.9	128.1	118.9	107.4	102.3	107.5	90.0	73.1	77.1
40°	244.8	213.5	231.6	239.8	216.2	182.1	229.1	196.8	167.7	120.6	158.7
37.5°	511.0	416.5	501.2	503.6	436.3	401.4	452.2	407.6	284.7	301.0	306.3
35°	1096.6	1044.2	1025.3	988.8	863.0	905.0	811.0	717.4	616.2	582.7	527.3
32.5°	1985.8	2041.5	1910.0	1748.6	1733.3	1647.1	1452.2	1169.8	1170.9	1055.7	862.6
30°	3530.6	3455.9	3220.2	2952.5	2947.0	2727.1	2292.6	2103.8	1929.4	1667.7	1299.7
27.5°	5853.3	5336.1	4964.5	4755.9	4446.8	4084.8	3657.9	3216.4	2843.8	2445.0	1949.9
25°	8591.2	7947.5	7281.8	6840.3	6302.5	5730.8	5200.6	4581.4	3958.1	3332.5	2705.1
22.5°	11528.3	10746.5	9934.4	9113.1	8308.7	7575.2	6871.7	6050.5	5100.2	4222.0	3496.4
20°	14545.1	13477.1	12497.9	11358.4	10268.2	9375.4	8580.3	7449.4	6180.6	5113.2	4266.8
17.5°	17411.7	16050.2	14670.7	13255.7	12076.3	11109.1	9878.6	8556.3	7189.5	5951.3	5002.9
15°	19991.4	18118.6	16476.0	14985.4	13561.9	12160.0	10870.1	9562.4	8132.7	6793.6	5675.2
12.5°	21777.7	19814.9	18051.4	16171.2	14511.0	13043.8	11734.3	10423.1	8922.2	7351.5	6050.4
10°	23086.9	20959.7	18900.8	16983.5	15314.2	13826.9	12372.2	10881.8	9259.6	7685.9	6362.1
7.5°	23689.6	21564.7	19539.5	17568.3	15825.1	14269.0	12724.0	11172.7	9500.8	7917.5	6612.5
5°	23970.6	21935.0	19923.2	17869.4	16119.3	14581.1	13010.4	11393.6	9647.8	8056.9	6804.4
2.5°	24227.5	22134.6	20113.9	17997.3	16293.3	14792.9	13260.4	11616.6	9830.4	8202.2	6927.2
0°	24398.1	22339.0	20293.9	18080.5	16391.5	14924.0	13477.4	11815.1	9989.2	8303.6	7000.9
-2.5°	24104.6	22033.9	20022.1	17911.2	16184.8	14738.8	13320.4	11732.8	9958.4	8303.6	7003.9
-5°	23464.1	21420.9	19450.4	17435.5	15713.2	14277.4	12911.1	11427.9	9777.9	8213.1	6961.9
-7.5°	22265.2	20439.2	18650.7	16775.7	15080.5	13650.2	12312.7	10902.1	9380.7	7914.4	6713.9
-10°	20736.5	19058.6	17388.1	15727.9	14236.9	12920.5	11647.5	10327.8	8920.1	7556.7	6425.7
-12.5°	19216.3	17616.3	16025.3	14501.1	13200.7	11988.5	10857.8	9696.6	8405.1	7141.7	6101.9
-15°	17574.9	16131.6	14727.6	13369.6	12111.7	11004.7	10004.7	8968.2	7822.3	6692.1	5745.6
-17.5°	16147.8	14712.4	13425.0	12327.5	11183.9	10058.7	9163.3	8255.3	7278.0	6302.1	5440.2
-20°	14885.8	13668.8	12417.1	11368.8	10391.6	9413.3	8449.9	7587.3	6773.1	5947.9	5176.4



REPORT NUMBER: P701335 (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°
-22.5°	13862.1	12760.6	11656.1	10590.4	9666.1	8831.3	7984.8	7127.3	6301.6	5585.0	4921.1
-25°	12952.2	11912.2	10943.3	10043.4	9104.9	8278.2	7562.0	6802.2	6014.7	5264.2	4685.4
-27.5°	12191.0	11243.7	10370.4	9556.5	8712.4	7901.1	7192.3	6489.5	5758.6	5084.4	4490.2
-30°	11537.6	10714.3	9906.3	9139.8	8367.6	7604.8	6870.5	6203.5	5525.5	4889.8	4327.6
-32.5°	10917.6	10153.9	9417.9	8719.0	8000.4	7285.0	6596.1	5914.4	5262.1	4692.5	4170.9
-35°	10268.3	9559.5	8901.2	8253.9	7608.6	6943.7	6284.2	5616.3	5008.2	4473.8	3989.7
-37.5°	9631.1	8974.6	8365.9	7765.8	7178.3	6571.6	5936.2	5327.5	4752.3	4243.1	3784.7
-40°	8980.6	8386.9	7816.8	7266.7	6718.3	6168.8	5589.8	5024.5	4497.4	3989.6	3559.3
-42.5°	8299.4	7768.9	7254.8	6747.3	6236.9	5736.8	5230.0	4719.4	4224.5	3752.1	3320.4
-45°	7595.4	7136.1	6674.6	6211.2	5743.7	5301.8	4866.9	4399.4	3939.8	3500.3	3073.8
-47.5°	6914.3	6512.9	6091.6	5676.4	5274.4	4873.2	4480.7	4065.7	3644.2	3232.6	2853.8
-50°	6274.6	5908.8	5538.3	5171.2	4817.0	4454.4	4091.0	3726.0	3338.1	2970.4	2624.6
-52.5°	5631.5	5321.6	5005.7	4687.2	4366.9	4034.6	3698.5	3373.4	3031.1	2708.9	2402.8
-55°	5029.3	4755.9	4478.6	4197.5	3917.7	3625.6	3325.9	3030.3	2742.4	2450.3	2187.2
-57.5°	4438.5	4196.9	3968.3	3733.1	3492.2	3236.4	2975.3	2711.4	2457.3	2207.6	1969.8
-60°	3895.8	3692.3	3491.6	3289.8	3088.5	2868.9	2633.8	2402.1	2175.0	1967.5	1765.7
-62.5°	3367.9	3191.3	3025.6	2858.9	2685.6	2498.8	2297.8	2109.5	1920.0	1733.7	1570.2
-65°	2880.9	2734.3	2588.5	2451.6	2313.7	2173.7	2003.5	1836.9	1677.4	1523.9	1380.8
-67.5°	2436.9	2318.8	2202.9	2088.3	1973.8	1857.3	1717.3	1575.9	1444.9	1320.5	1199.0
-70°	2020.1	1925.2	1830.5	1735.5	1642.3	1551.1	1445.3	1333.8	1224.9	1119.1	1013.1
-72.5°	1625.5	1552.0	1478.6	1407.3	1334.9	1263.9	1182.2	1090.8	1000.3	911.3	825.2
-75°	1257.3	1203.2	1148.6	1095.4	1040.2	983.2	923.9	855.9	787.4	718.7	650.6
-77.5°	921.7	884.6	846.7	811.3	774.9	737.7	695.6	641.3	590.1	539.4	490.1
-80°	627.8	604.8	581.3	560.5	538.2	514.5	487.3	448.7	410.4	374.9	342.7
-82.5°	381.4	370.0	357.7	345.7	332.6	318.3	302.4	279.9	257.8	236.1	215.0
-85°	189.8	185.3	180.2	175.1	169.5	163.4	156.8	147.3	137.4	127.2	116.7
-87.5°	69.4	67.9	66.4	65.2	63.9	62.5	61.0	57.4	53.9	50.4	47.0
-90°	2.3	2.3	2.3	2.6	2.9	3.2	3.5	3.5	3.5	3.5	3.5



REPORT NUMBER: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.0	8.7	8.4	8.1	8.1	8.1	8.1	8.1	7.8	7.6	7.3
87.5°	6.0	6.9	7.6	8.1	7.7	7.2	6.8	6.4	6.6	6.8	6.9
85°	11.4	11.7	12.2	12.8	12.0	11.0	10.1	9.4	9.5	9.6	9.6
82.5°	19.4	18.4	17.8	17.5	17.4	16.8	15.8	14.4	13.0	12.4	12.2
80°	34.4	30.8	27.5	24.7	23.2	22.7	22.1	20.5	17.4	15.3	14.1
77.5°	48.3	43.2	38.6	34.1	30.0	27.3	25.9	25.2	21.6	18.0	15.6
75°	60.9	54.3	48.1	42.1	36.2	31.4	28.1	26.0	23.2	20.3	17.0
72.5°	69.4	62.3	56.0	49.3	41.7	35.4	30.3	26.7	23.8	20.9	18.0
70°	75.3	68.4	61.2	53.6	46.1	38.8	32.5	28.1	24.4	21.4	18.5
67.5°	78.9	71.1	64.0	57.2	49.4	41.7	34.4	29.6	25.8	21.9	18.9
65°	70.9	68.4	65.5	58.2	51.3	44.3	36.5	31.3	27.1	23.1	19.3
62.5°	60.7	60.7	59.0	57.2	51.8	45.1	38.6	33.3	28.4	24.2	20.1
60°	48.0	50.2	51.9	51.4	49.6	45.0	39.4	35.2	29.9	25.2	21.0
57.5°	38.8	40.3	43.6	45.6	45.0	42.9	39.9	36.1	31.3	26.3	21.9
55°	31.7	34.4	37.1	39.5	40.5	39.3	39.7	36.7	32.4	27.3	22.9
52.5°	28.1	30.8	33.5	35.1	36.3	36.9	38.7	37.3	33.0	28.1	24.0
50°	27.0	29.9	31.9	33.1	33.2	36.0	38.3	37.5	33.7	28.8	25.3
47.5°	31.1	33.5	32.8	32.6	32.6	36.1	38.8	38.1	34.3	29.4	26.6
45°	46.3	42.4	38.1	34.9	34.9	38.6	40.1	39.3	35.5	31.1	28.1
42.5°	73.3	65.9	50.4	38.1	44.7	42.8	42.2	41.3	37.1	33.1	29.8
40°	148.3	103.8	71.7	66.5	61.4	48.4	46.8	43.9	39.3	35.6	31.6
37.5°	252.9	183.2	116.2	118.7	91.5	68.9	52.6	47.1	43.1	38.7	33.7
35°	434.3	305.8	242.3	215.6	154.9	94.2	59.1	51.7	47.8	42.0	35.8
32.5°	658.5	537.2	474.2	363.2	234.3	124.1	77.4	60.2	52.9	45.5	38.1
30°	1037.5	937.2	760.2	544.4	346.3	197.7	109.4	70.1	58.7	49.1	40.7
27.5°	1609.1	1408.8	1108.4	806.1	519.1	287.2	156.6	81.1	64.8	53.2	43.6
25°	2231.6	1943.4	1561.8	1117.2	713.7	429.3	214.4	94.4	73.1	58.2	46.5
22.5°	2919.1	2496.0	2062.1	1457.4	929.6	594.4	306.4	138.5	82.7	63.3	49.5
20°	3577.9	3058.4	2562.5	1724.4	1160.2	786.5	434.6	187.9	92.8	68.6	52.4
17.5°	4217.8	3520.2	2833.0	2015.2	1386.3	967.9	573.1	241.5	103.2	74.0	55.3
15°	4654.0	3828.6	3086.2	2274.9	1588.3	1138.5	718.8	297.8	113.7	79.4	59.7
12.5°	4988.4	4108.1	3328.0	2503.7	1767.3	1298.2	868.2	355.4	124.3	87.7	66.0
10°	5275.5	4357.9	3554.7	2701.9	1924.7	1446.9	1017.5	409.8	140.5	98.4	72.4
7.5°	5516.5	4577.7	3762.7	2870.2	2053.3	1545.1	1109.1	454.0	157.4	109.0	78.6
5°	5704.6	4740.5	3927.1	2984.9	2120.1	1589.3	1178.4	492.6	173.8	119.5	84.7
2.5°	5816.6	4829.0	4051.4	3070.1	2173.5	1621.8	1232.3	525.1	189.5	129.6	90.7
0°	5889.6	4886.1	4144.9	3128.6	2212.2	1643.8	1270.3	551.0	204.2	139.2	96.3
-2.5°	5917.4	4894.6	4158.4	3203.2	2291.0	1711.8	1307.2	622.9	273.1	186.5	126.6
-5°	5902.0	4877.1	4144.5	3250.2	2353.2	1768.4	1330.4	687.8	339.8	232.3	156.1
-7.5°	5717.5	4774.2	4072.9	3257.3	2398.1	1811.6	1342.4	745.6	403.4	276.1	184.4
-10°	5471.2	4608.8	3924.2	3159.2	2393.4	1837.7	1348.8	796.4	462.8	317.1	211.0
-12.5°	5198.0	4421.8	3762.8	3052.2	2371.7	1851.8	1366.5	843.8	517.2	354.8	235.6
-15°	4902.3	4214.7	3593.1	2941.7	2341.6	1859.0	1376.1	884.3	566.3	390.4	257.7
-17.5°	4611.4	3989.0	3419.3	2832.9	2304.9	1860.3	1378.8	915.7	609.7	424.8	281.4
-20°	4453.3	3825.0	3248.4	2730.5	2263.3	1856.8	1375.8	937.5	647.0	455.1	305.6



REPORT NUMBER: P701335 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4295.5	3717.5	3166.3	2657.9	2228.2	1849.5	1368.2	949.6	677.5	481.0	326.6
-25°	4129.6	3604.5	3086.8	2606.5	2204.7	1823.0	1364.4	951.6	700.9	502.3	344.3
-27.5°	3982.8	3490.3	2994.9	2535.2	2158.7	1794.9	1358.4	974.2	719.3	518.6	358.3
-30°	3845.3	3374.9	2897.7	2451.6	2096.0	1727.1	1340.5	988.4	735.8	532.5	368.7
-32.5°	3703.3	3248.5	2780.7	2370.0	2012.8	1650.1	1290.0	992.8	745.6	543.0	377.5
-35°	3537.6	3095.2	2644.0	2268.8	1919.5	1570.6	1233.6	986.9	748.5	548.2	383.0
-37.5°	3349.6	2915.7	2514.9	2154.8	1819.5	1485.3	1192.5	957.8	744.6	548.0	384.5
-40°	3141.7	2736.4	2366.8	2039.0	1718.1	1394.4	1143.6	927.0	737.7	542.3	381.9
-42.5°	2923.0	2561.3	2225.4	1916.2	1613.0	1331.1	1088.9	890.4	712.5	533.7	375.1
-45°	2718.6	2383.1	2078.8	1791.6	1507.9	1259.9	1041.6	849.1	680.9	520.9	365.8
-47.5°	2507.7	2211.0	1930.4	1659.8	1418.8	1185.6	987.9	808.1	644.9	502.4	355.0
-50°	2308.8	2037.9	1781.1	1541.3	1317.1	1118.3	929.8	761.8	608.8	471.3	340.7
-52.5°	2121.7	1870.7	1639.9	1422.1	1227.0	1044.0	871.4	711.1	568.7	441.0	322.9
-55°	1935.8	1711.4	1501.9	1312.1	1135.1	968.5	807.4	660.0	524.6	409.3	302.3
-57.5°	1756.9	1553.6	1375.5	1204.8	1041.0	887.3	741.6	604.5	481.8	374.6	282.3
-60°	1577.1	1412.4	1251.9	1093.3	942.6	803.4	672.9	547.0	436.9	338.3	257.1
-62.5°	1414.1	1266.4	1121.2	976.1	842.5	718.0	600.8	490.1	388.7	304.3	229.2
-65°	1247.2	1114.7	984.3	860.0	741.1	630.3	529.4	429.4	343.9	268.3	201.7
-67.5°	1078.1	962.6	851.9	741.5	640.6	545.3	454.1	372.9	298.5	230.3	177.9
-70°	909.4	809.5	718.9	629.7	541.7	458.6	386.3	316.8	251.0	199.5	153.0
-72.5°	744.3	666.3	591.7	516.8	446.5	380.1	317.9	261.0	212.3	167.6	127.1
-75°	584.8	526.3	470.1	412.9	354.2	299.8	255.8	213.8	172.4	134.5	104.5
-77.5°	442.9	396.7	351.5	311.7	271.3	233.5	198.4	165.2	133.4	106.6	82.8
-80°	312.0	282.0	252.7	223.9	193.7	165.8	143.6	122.0	99.1	78.6	60.4
-82.5°	194.1	177.0	161.0	144.9	127.6	111.0	95.2	80.1	64.2	50.0	41.6
-85°	106.5	96.2	86.0	75.7	65.4	55.6	50.9	46.3	40.6	35.2	30.2
-87.5°	44.4	41.9	39.3	36.7	34.3	31.9	29.5	27.2	24.2	21.4	18.8
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.0	6.7	6.4	6.1	5.8	5.2	4.6
87.5°	7.0	6.7	6.4	6.3	6.2	5.4	4.6
85°	9.4	8.4	7.6	7.0	6.6	5.6	4.6
82.5°	11.8	10.1	8.8	7.8	7.0	5.7	4.6
80°	13.9	11.8	10.0	8.5	7.4	5.9	4.6
77.5°	14.4	13.0	11.1	9.2	7.7	6.1	4.6
75°	14.9	13.3	12.0	9.9	8.1	6.2	4.6
72.5°	15.3	13.4	12.1	10.6	8.5	6.4	4.6
70°	15.7	13.6	12.1	11.1	8.8	6.5	4.6
67.5°	16.2	13.7	12.1	11.0	9.2	6.7	4.6
65°	16.6	14.0	12.0	10.9	9.5	6.8	4.6
62.5°	17.1	14.5	11.9	10.8	9.8	7.0	4.6
60°	17.6	15.0	11.8	10.6	10.1	7.1	4.6
57.5°	18.5	15.4	12.2	10.5	10.0	7.2	4.6
55°	19.4	15.9	12.6	10.3	9.9	7.4	4.6
52.5°	20.3	16.4	13.0	10.1	9.8	7.5	4.6
50°	21.2	17.1	13.4	9.9	9.8	7.6	4.6
47.5°	22.1	17.8	13.8	9.8	9.7	7.7	4.6
45°	23.4	18.5	14.2	10.1	9.7	7.8	4.6
42.5°	24.7	19.2	14.5	10.3	9.7	7.9	4.6
40°	26.1	19.8	14.9	10.7	9.6	7.9	4.6
37.5°	27.6	20.4	15.4	11.3	9.6	8.0	4.6
35°	29.1	21.3	15.8	11.8	9.6	8.1	4.6
32.5°	30.7	22.5	16.2	12.4	9.7	8.1	4.6
30°	32.5	23.6	16.6	13.0	9.7	8.2	4.6
27.5°	34.3	24.7	17.8	13.6	9.7	8.2	4.6
25°	36.1	25.8	19.1	14.2	9.8	8.2	4.6
22.5°	38.0	27.4	20.5	14.8	9.8	8.3	4.6
20°	39.8	30.4	22.0	15.5	9.9	8.3	4.6
17.5°	43.3	33.4	23.5	16.1	10.0	8.3	4.6
15°	47.6	36.4	25.0	16.7	10.0	8.3	4.6
12.5°	51.9	39.4	26.5	17.3	10.1	8.3	4.6
10°	56.2	42.4	28.0	17.8	10.2	8.2	4.6
7.5°	60.3	45.3	29.5	18.3	10.2	8.2	4.6
5°	64.4	48.2	31.0	18.8	10.3	8.2	4.6
2.5°	68.2	50.9	32.3	19.3	10.3	8.1	4.6
0°	71.9	53.4	33.6	19.7	10.4	8.1	4.6
-2.5°	89.9	63.8	39.1	22.1	11.2	8.2	4.6
-5°	107.5	73.9	44.4	24.4	12.0	8.4	4.6
-7.5°	124.4	83.6	49.4	26.7	12.8	8.5	4.6
-10°	140.5	92.7	54.2	28.8	13.5	8.6	4.6
-12.5°	155.4	101.1	58.6	30.7	14.2	8.8	4.6
-15°	169.0	108.8	62.6	32.5	14.9	8.9	4.6
-17.5°	181.1	115.5	66.2	34.1	15.5	9.0	4.6
-20°	194.3	121.2	69.2	35.4	16.0	9.0	4.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	210.1	125.9	71.7	36.5	16.5	9.1	4.6
-25°	223.5	133.0	73.5	37.4	16.9	9.1	4.6
-27.5°	234.5	140.1	74.8	38.0	17.3	9.2	4.6
-30°	242.8	145.7	75.6	38.3	17.5	9.2	4.6
-32.5°	248.3	149.6	78.5	38.3	17.7	9.2	4.6
-35°	252.2	151.8	80.3	38.0	17.8	9.2	4.6
-37.5°	254.1	152.8	81.2	37.4	17.9	9.1	4.6
-40°	253.4	153.4	81.0	36.4	17.8	9.1	4.6
-42.5°	250.0	152.2	80.6	35.6	17.6	9.0	4.6
-45°	243.9	149.4	80.1	35.2	17.4	8.9	4.6
-47.5°	235.3	145.0	78.7	34.3	17.1	8.9	4.6
-50°	226.6	138.9	76.5	34.0	16.7	8.7	4.6
-52.5°	216.1	131.1	73.4	33.6	16.2	8.6	4.6
-55°	203.3	124.6	69.5	32.9	15.6	8.5	4.6
-57.5°	188.3	117.4	64.8	31.8	14.9	8.3	4.6
-60°	171.7	109.0	59.5	30.4	14.2	8.1	4.6
-62.5°	158.0	99.4	55.8	28.6	13.6	7.9	4.6
-65°	142.7	88.8	51.5	26.5	13.1	7.7	4.6
-67.5°	125.9	78.9	46.6	24.1	12.5	7.5	4.6
-70°	107.9	69.9	41.3	21.4	11.8	7.3	4.6
-72.5°	92.8	60.3	35.5	19.6	11.2	7.1	4.6
-75°	77.4	50.0	29.3	17.9	10.5	6.8	4.6
-77.5°	61.2	39.2	25.3	16.1	9.7	6.6	4.6
-80°	44.4	31.5	21.7	14.2	9.0	6.3	4.6
-82.5°	34.5	25.4	18.0	12.3	8.2	6.0	4.6
-85°	25.5	19.3	14.2	10.2	7.4	5.8	4.6
-87.5°	16.3	13.0	10.3	8.2	6.6	5.5	4.6
-90°	4.6	4.9	5.2	5.5	5.8	5.2	4.6

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

