

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: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-7F-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

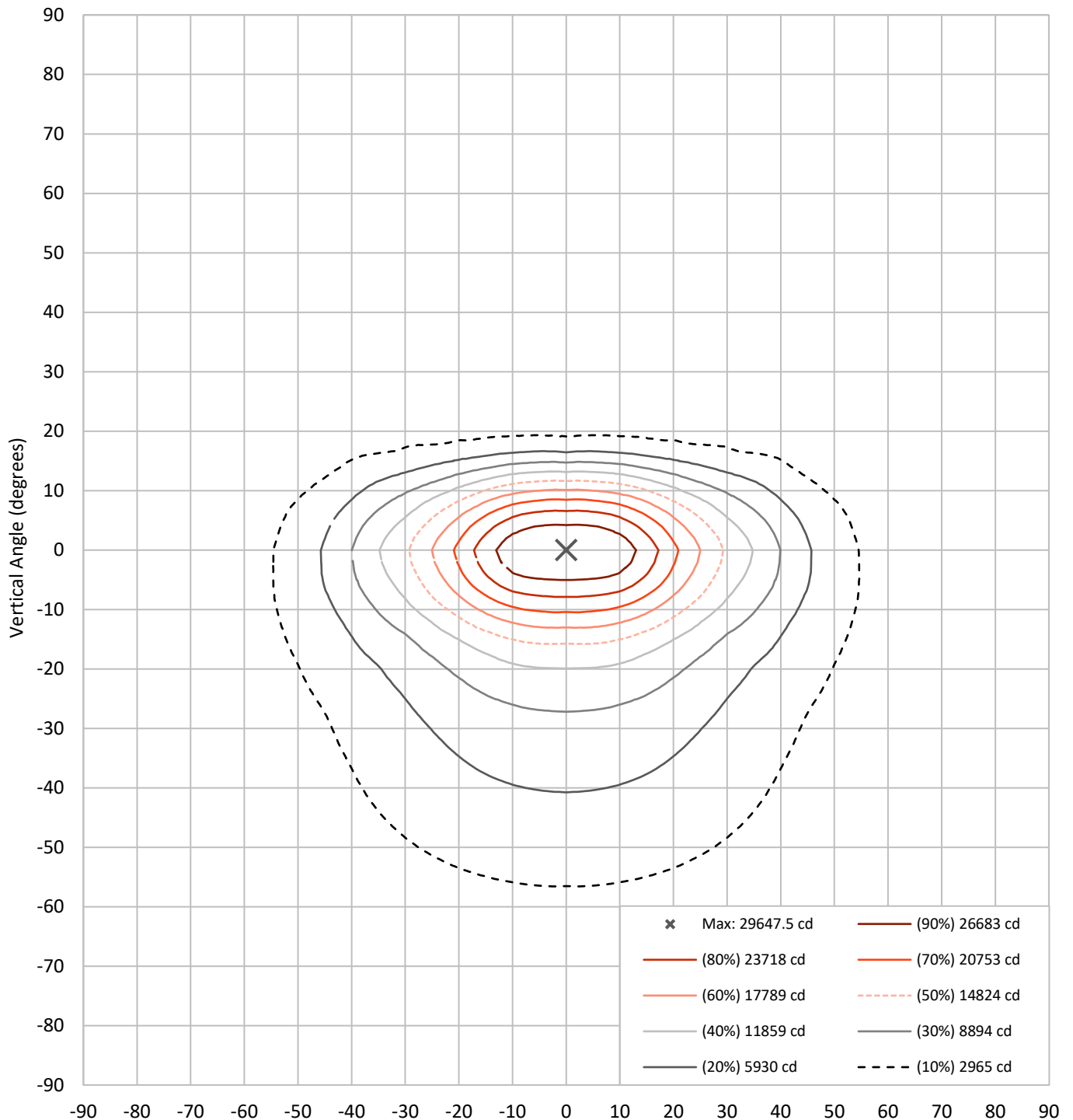
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	19948.7 lumens	Max Intensity:	29647.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	58.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	7875 lumens	Field Lumens:	17555.3 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

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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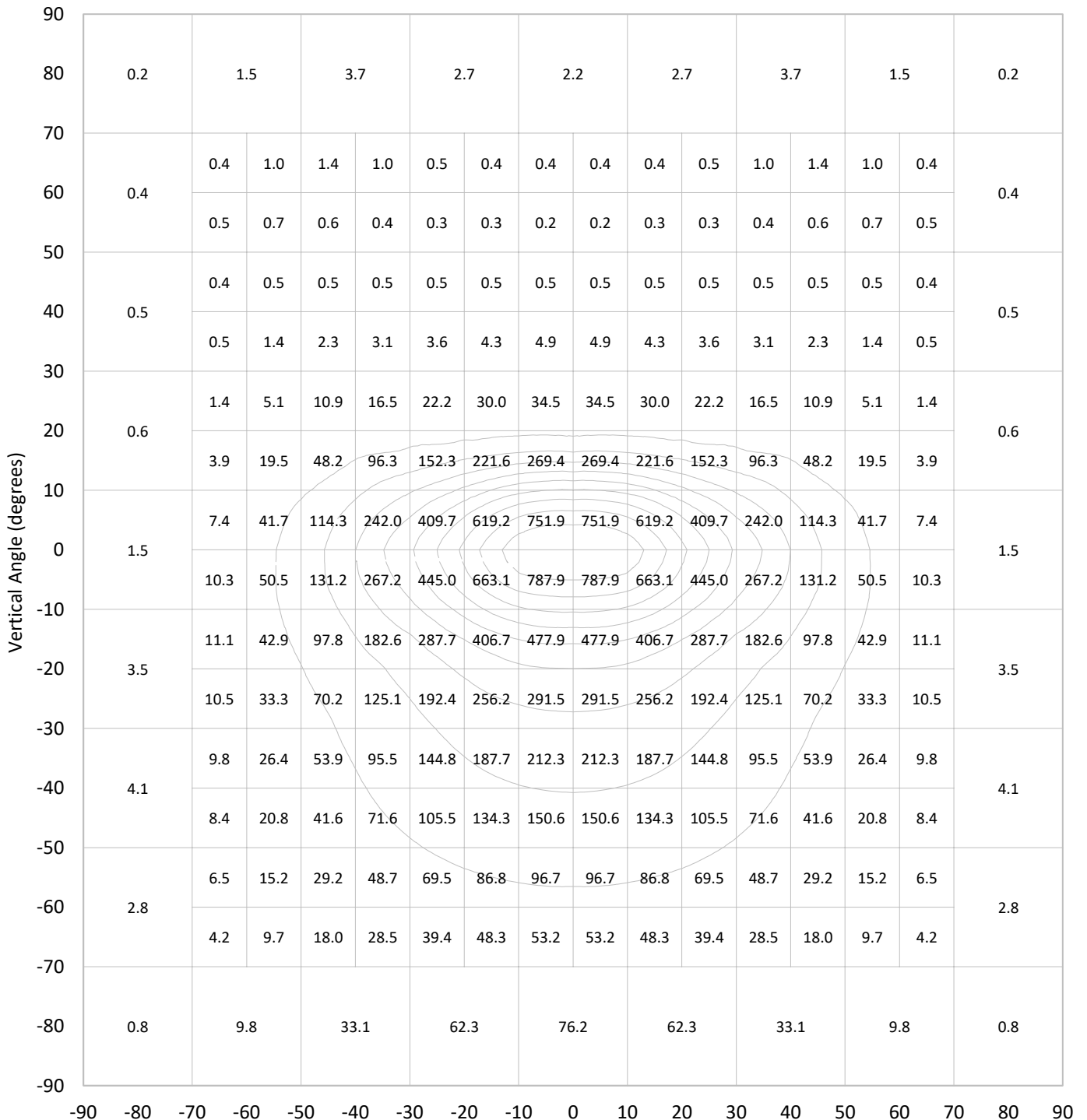
Iso-Candela Plot





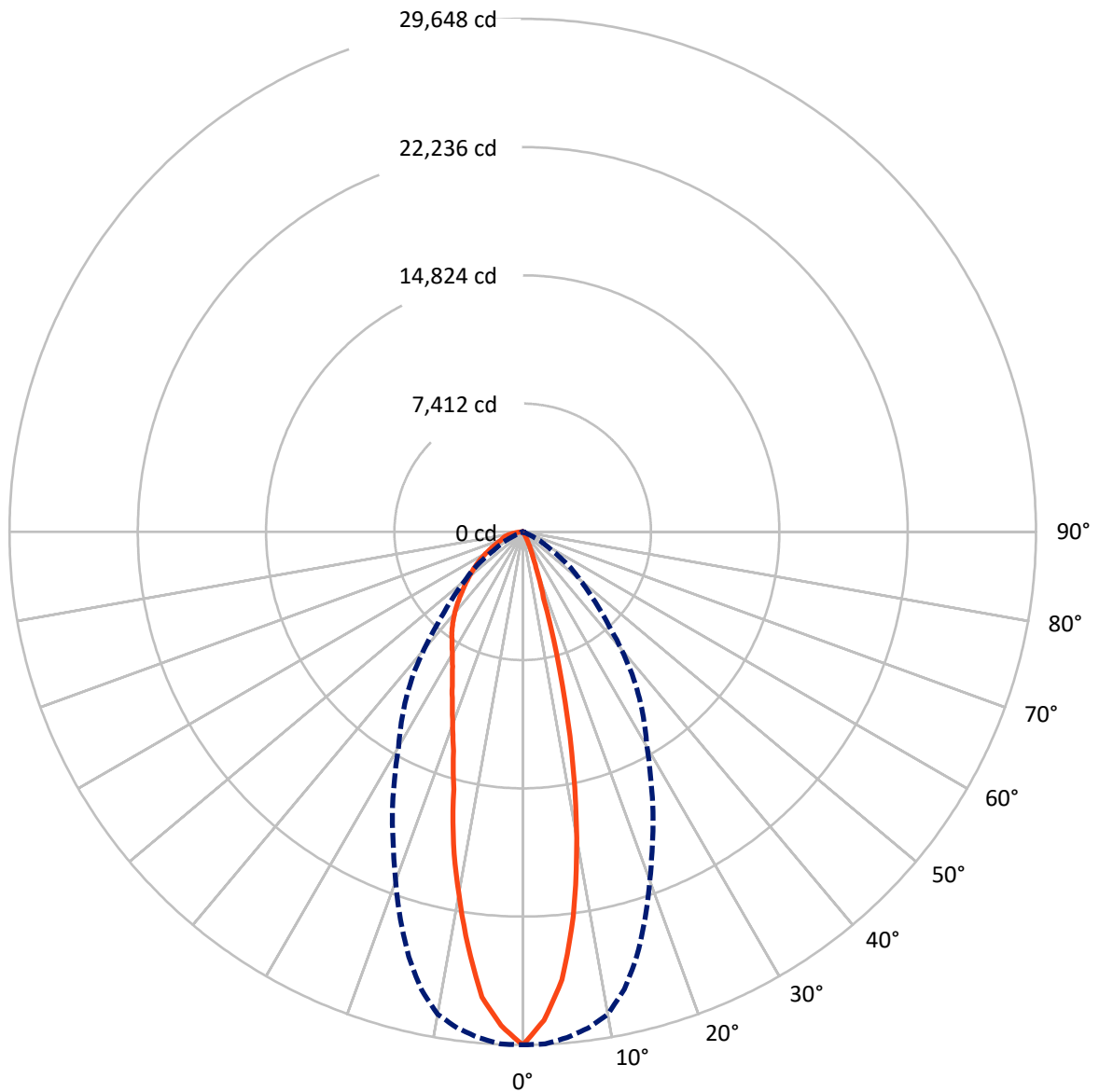
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Lumen Table



REPORT NUMBER: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
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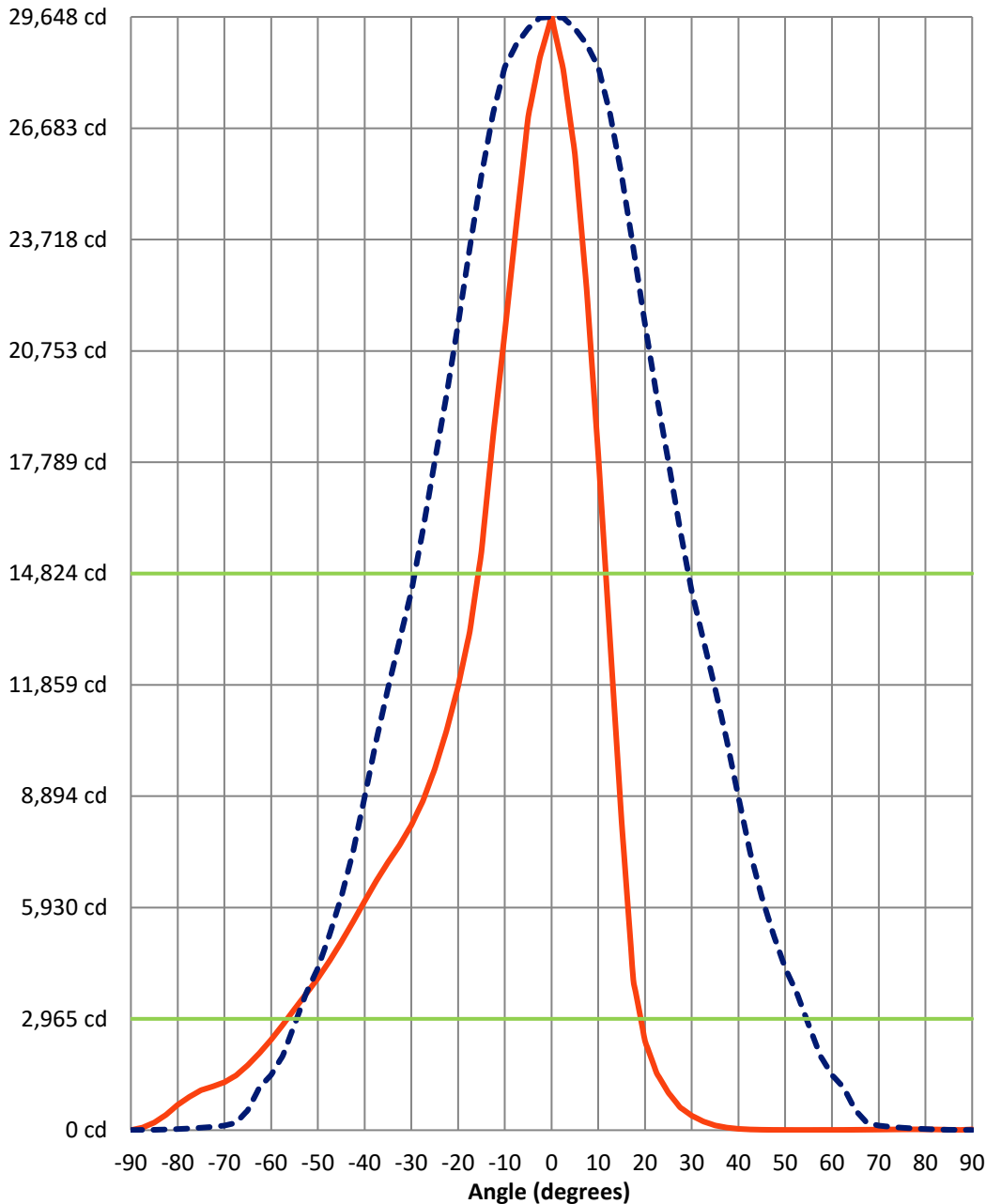
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 7875
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 17555.3
 Efficiency: 88.0%

Spill:
 Lumens: 2393.4
 Efficiency: 12.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 0-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°	4.3	4.9	5.4	5.7	6.0	6.2	6.5	6.8	7.0	7.3	7.5
87.5°	4.3	4.5	4.8	5.1	5.5	6.0	6.5	6.6	6.7	6.7	6.6
85°	4.3	4.7	5.2	5.9	6.7	7.7	8.7	9.0	9.1	9.1	8.9
82.5°	4.3	4.9	5.7	6.7	7.9	9.3	10.9	11.4	11.6	12.4	14.0
80°	4.3	5.0	6.2	7.5	9.1	11.0	13.0	13.6	15.0	17.3	20.6
77.5°	4.3	5.2	6.6	8.3	10.3	12.2	14.0	15.6	18.2	22.0	25.9
75°	4.3	5.4	7.1	9.0	11.2	12.7	14.9	17.5	21.1	24.2	27.4
72.5°	4.3	5.6	7.5	9.8	11.4	13.2	15.8	19.0	22.1	25.4	28.9
70°	4.3	5.7	7.9	10.4	11.6	13.6	16.6	19.8	23.1	26.6	29.9
67.5°	4.3	5.9	8.3	10.3	11.7	14.0	17.2	20.5	24.0	27.4	30.9
65°	4.3	6.1	8.7	10.2	11.8	14.5	17.9	21.1	24.7	28.2	32.1
62.5°	4.3	6.2	9.1	10.2	11.8	15.1	18.5	21.7	25.3	29.1	33.9
60°	4.3	6.4	9.4	10.0	11.8	15.7	19.1	22.2	25.9	30.5	35.6
57.5°	4.3	6.5	9.3	9.9	12.2	16.2	19.9	22.8	26.8	31.7	36.2
55°	4.3	6.7	9.2	9.7	12.7	16.8	20.6	23.5	27.7	32.6	36.3
52.5°	4.3	6.8	9.2	9.5	13.2	17.4	21.4	24.5	28.4	32.6	36.4
50°	4.3	6.9	9.1	9.3	13.6	18.1	22.2	25.5	28.9	32.6	34.6
47.5°	4.3	7.0	9.0	9.2	14.1	18.8	23.0	26.5	28.8	32.5	32.8
45°	4.3	7.1	9.0	9.5	14.5	19.6	23.9	27.6	29.5	31.3	31.3
42.5°	4.3	7.2	9.0	9.8	14.9	20.3	24.8	28.4	30.3	30.2	29.9
40°	4.3	7.3	9.0	10.3	15.3	21.1	25.7	29.2	31.0	29.4	28.6
37.5°	4.3	7.4	9.0	10.8	15.9	21.8	26.6	30.1	31.6	30.1	27.5
35°	4.3	7.4	9.0	11.4	16.4	22.5	27.4	31.0	32.4	31.5	27.7
32.5°	4.3	7.5	9.0	12.0	17.0	23.2	28.2	32.0	33.5	33.5	33.1
30°	4.3	7.5	9.0	12.6	17.5	23.8	29.0	33.0	34.8	36.2	39.9
27.5°	4.3	7.6	9.0	13.1	18.5	24.4	29.7	34.0	36.6	39.6	48.0
25°	4.3	7.6	9.1	13.7	19.7	24.9	30.5	35.1	39.2	45.3	58.1
22.5°	4.3	7.6	9.1	14.3	20.9	25.9	31.3	36.4	42.2	52.6	91.1
20°	4.3	7.7	9.2	14.8	22.0	27.9	32.0	37.7	45.5	60.4	128.8
17.5°	4.3	7.7	9.3	15.4	23.2	30.1	34.8	39.1	48.9	68.7	170.1
15°	4.3	7.7	9.3	15.9	24.3	32.3	39.0	43.0	52.6	77.2	214.1
12.5°	4.3	7.7	9.4	16.4	25.4	34.5	43.4	50.3	61.0	85.9	259.6
10°	4.3	7.6	9.5	16.8	26.5	36.7	47.9	57.8	73.4	106.4	310.4
7.5°	4.3	7.6	9.5	17.2	27.5	39.0	52.4	65.5	85.9	128.9	370.9
5°	4.3	7.6	9.6	17.6	28.5	41.1	57.0	73.2	98.4	151.5	429.0
2.5°	4.3	7.5	9.6	18.0	29.4	43.2	61.4	80.9	110.8	173.7	483.3
0°	4.3	7.5	9.7	18.3	30.2	45.2	65.7	88.3	122.8	195.0	532.2
-2.5°	4.3	7.7	10.4	20.5	35.3	55.0	82.9	116.6	165.8	254.2	592.1
-5°	4.3	7.8	11.2	22.7	40.2	64.6	99.6	144.2	207.6	311.5	645.2
-7.5°	4.3	8.0	11.9	24.8	44.9	73.8	115.6	170.7	247.6	365.9	691.7
-10°	4.3	8.1	12.6	26.7	49.3	82.4	130.7	195.7	285.4	416.9	731.7
-12.5°	4.3	8.2	13.2	28.5	53.5	90.5	144.7	218.9	320.3	461.9	747.9
-15°	4.3	8.3	13.8	30.2	57.2	97.8	157.4	239.8	348.8	489.2	751.4
-17.5°	4.3	8.4	14.4	31.6	60.6	104.3	168.6	257.9	370.6	513.0	751.5
-20°	4.3	8.5	14.9	32.9	63.4	109.9	179.1	273.7	389.7	533.1	748.8



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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°	4.3	8.6	15.4	33.9	65.8	114.5	189.8	287.2	406.2	549.4	743.9
-25°	4.3	8.7	15.8	34.7	67.6	120.3	198.8	298.3	419.7	561.6	737.3
-27.5°	4.3	8.7	16.2	35.3	68.8	125.9	206.2	306.9	430.3	571.7	747.4
-30°	4.3	8.8	16.4	35.6	69.7	130.3	211.8	312.9	438.7	581.8	753.3
-32.5°	4.3	8.8	16.6	35.6	72.0	133.4	215.6	318.2	444.3	588.0	754.1
-35°	4.3	8.8	16.8	35.3	73.4	135.2	218.6	321.7	446.3	590.2	749.7
-37.5°	4.3	8.7	16.9	34.7	74.0	136.0	220.1	322.7	444.8	588.5	725.2
-40°	4.3	8.7	16.8	33.8	73.7	136.3	219.5	321.2	439.5	583.0	699.6
-42.5°	4.3	8.6	16.8	33.0	73.2	135.2	216.9	317.1	433.7	559.4	670.4
-45°	4.3	8.6	16.6	32.4	72.5	132.7	212.3	310.9	425.9	531.1	637.8
-47.5°	4.3	8.5	16.4	31.4	71.0	128.8	205.7	302.7	414.6	500.5	603.2
-50°	4.3	8.4	16.0	31.1	68.8	123.5	198.4	291.8	390.0	472.1	565.7
-52.5°	4.3	8.3	15.7	30.8	65.9	116.9	189.5	278.3	364.0	441.2	526.0
-55°	4.3	8.1	15.2	30.2	62.2	110.9	178.6	262.5	336.6	407.9	487.6
-57.5°	4.3	8.0	14.7	29.2	57.8	104.3	165.9	245.7	307.6	373.9	446.5
-60°	4.3	7.8	14.1	28.0	52.9	96.5	151.8	223.2	277.9	338.7	403.8
-62.5°	4.3	7.6	13.6	26.4	49.6	87.8	139.3	198.6	249.7	301.7	361.5
-65°	4.3	7.4	13.0	24.6	45.9	78.1	125.5	174.8	220.7	267.9	317.5
-67.5°	4.3	7.2	12.4	22.5	41.7	69.3	110.4	153.9	190.9	234.4	277.7
-70°	4.3	7.0	11.7	20.2	37.1	61.5	94.2	132.6	167.0	200.2	239.6
-72.5°	4.3	6.7	11.0	18.5	32.1	53.2	81.0	111.0	142.8	173.4	202.8
-75°	4.3	6.5	10.3	16.9	26.7	44.3	67.7	91.8	118.3	146.5	173.6
-77.5°	4.3	6.2	9.5	15.2	23.1	34.9	53.6	72.8	94.3	118.7	144.2
-80°	4.3	6.0	8.7	13.4	19.8	28.1	39.0	53.4	69.8	88.5	109.3
-82.5°	4.3	5.7	7.9	11.5	16.5	22.8	30.4	36.9	44.7	57.6	72.1
-85°	4.3	5.4	7.1	9.6	13.0	17.3	22.6	26.9	31.6	36.7	42.0
-87.5°	4.3	5.1	6.2	7.6	9.5	11.8	14.6	16.9	19.3	22.0	24.8
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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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°	7.8	8.1	8.3	8.6	9.4	10.3	11.1	11.9	13.2	14.6	15.9
87.5°	7.0	7.5	8.1	8.7	8.3	7.8	7.2	6.6	7.1	7.6	8.1
85°	9.8	10.8	12.2	13.3	13.2	13.2	13.4	13.8	14.7	15.5	16.1
82.5°	15.8	17.2	18.2	18.8	19.8	21.1	22.8	25.4	26.8	27.7	28.2
80°	22.6	23.8	24.7	26.5	29.7	33.4	37.4	41.8	43.2	43.4	43.0
77.5°	27.1	28.8	31.8	35.8	40.6	45.3	50.3	55.7	57.3	56.9	56.1
75°	30.0	33.5	37.9	43.4	49.2	55.3	61.6	67.4	69.0	67.3	65.0
72.5°	32.3	36.9	42.8	50.0	56.6	62.7	69.2	76.2	78.5	74.8	70.1
70°	33.9	39.7	46.8	54.4	61.9	68.6	74.7	81.3	85.1	78.7	69.4
67.5°	35.2	42.5	50.2	58.0	64.8	71.1	78.0	80.2	81.1	71.5	61.5
65°	37.2	44.9	52.0	58.9	66.2	68.3	69.8	71.2	69.7	58.7	47.8
62.5°	39.2	45.6	52.3	57.6	59.4	60.4	59.2	56.3	52.5	44.9	36.0
60°	39.7	45.4	49.7	51.4	51.8	49.6	46.3	42.8	38.7	32.4	26.3
57.5°	39.9	42.8	44.5	44.8	42.8	39.2	35.8	31.4	28.0	24.0	19.1
55°	39.0	38.4	39.2	37.9	34.9	31.1	27.1	24.1	20.1	17.8	14.8
52.5°	36.3	34.8	34.1	31.9	28.5	25.0	21.8	18.9	16.6	14.0	12.2
50°	33.9	31.9	29.6	27.0	24.4	22.1	18.5	16.4	14.5	12.5	10.8
47.5°	31.7	29.3	25.9	23.7	23.4	22.0	18.5	15.3	13.6	13.5	12.0
45°	29.7	27.7	23.8	24.2	24.9	24.9	22.4	15.0	16.6	17.0	16.1
42.5°	28.0	27.2	28.3	25.8	29.8	32.0	30.1	25.0	22.2	24.7	25.8
40°	28.2	27.8	37.3	37.0	37.6	43.4	46.2	42.6	32.8	38.9	41.7
37.5°	29.3	39.1	50.8	54.6	51.2	61.2	67.2	71.4	63.7	58.7	67.3
35°	31.2	53.2	70.6	78.8	79.3	85.1	100.7	107.1	102.0	94.1	101.1
32.5°	40.7	70.1	94.1	108.0	120.8	126.7	140.6	147.2	152.8	152.9	149.9
30°	61.0	92.3	121.4	140.4	171.1	199.0	192.9	194.3	214.9	235.9	246.1
27.5°	95.5	119.9	151.8	186.0	232.9	287.2	296.9	269.3	297.4	336.2	370.6
25°	138.9	203.4	184.1	240.4	318.5	393.8	433.8	452.9	414.6	471.0	552.4
22.5°	199.0	309.1	310.2	299.7	414.7	520.0	618.6	713.1	762.1	700.7	785.4
20°	280.0	422.2	467.9	518.4	558.6	663.5	833.7	1040.0	1228.9	1335.8	1286.8
17.5°	373.0	545.7	650.3	785.7	919.4	976.7	1085.1	1422.9	1789.6	2101.8	2269.6
15°	475.4	677.7	847.7	1080.5	1321.0	1502.4	1690.2	1980.4	2464.4	2998.5	3426.0
12.5°	584.2	815.8	1056.2	1396.5	1753.8	2052.0	2387.0	2828.3	3386.7	4052.9	4749.2
10°	696.4	957.8	1271.9	1726.6	2208.7	2618.0	3097.4	3676.3	4389.3	5219.3	6094.6
7.5°	815.3	1096.6	1484.4	2063.1	2675.4	3192.0	3812.0	4516.3	5381.6	6368.2	7423.4
5°	930.4	1227.7	1661.6	2333.8	3054.2	3676.5	4462.9	5337.0	6351.6	7486.4	8729.9
2.5°	1037.8	1353.2	1829.5	2581.4	3361.6	4007.6	4849.7	5789.6	6934.0	8272.0	9710.2
0°	1134.4	1471.6	1985.5	2809.6	3645.6	4315.7	5204.5	6204.2	7396.8	8865.1	10376.6
-2.5°	1176.3	1533.4	2055.8	2843.6	3638.6	4321.3	5176.5	6196.4	7346.5	8746.4	10229.0
-5°	1205.9	1585.6	2111.2	2855.9	3608.0	4301.1	5116.8	6141.6	7186.5	8431.8	9760.0
-7.5°	1224.7	1627.1	2151.2	2834.9	3508.4	4143.2	4852.7	5725.6	6678.4	7786.8	8956.2
-10°	1228.6	1622.6	2091.1	2698.5	3314.8	3896.8	4529.1	5287.2	6139.1	7108.5	8125.2
-12.5°	1190.4	1577.7	2006.5	2552.2	3114.4	3641.0	4194.6	4838.6	5577.0	6410.3	7310.4
-15°	1149.0	1526.9	1915.5	2399.9	2912.1	3379.9	3854.9	4389.1	5044.2	5803.4	6579.6
-17.5°	1106.5	1471.0	1820.1	2244.7	2712.4	3117.7	3533.4	4040.8	4627.8	5267.5	5899.3
-20°	1064.7	1410.8	1721.9	2089.7	2518.3	2901.0	3306.5	3752.2	4245.0	4766.4	5268.7



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1025.5	1347.3	1631.1	1959.8	2351.5	2718.5	3080.7	3463.6	3871.7	4293.9	4823.9
-25°	999.1	1286.3	1552.0	1856.6	2195.0	2533.6	2853.1	3182.3	3533.5	4000.5	4491.4
-27.5°	982.8	1234.3	1482.4	1753.1	2045.1	2351.3	2640.4	2930.8	3322.4	3742.5	4177.0
-30°	966.8	1182.6	1409.9	1655.2	1921.0	2186.6	2435.6	2763.7	3128.8	3513.2	3899.5
-32.5°	936.2	1128.4	1343.9	1570.9	1805.8	2035.8	2295.6	2618.3	2953.2	3291.2	3639.9
-35°	898.3	1080.5	1279.1	1485.2	1695.7	1923.2	2186.7	2470.7	2778.4	3092.8	3437.0
-37.5°	865.3	1028.4	1211.9	1404.1	1601.4	1825.4	2067.6	2333.0	2613.4	2907.4	3236.1
-40°	828.6	972.3	1148.3	1328.6	1513.8	1723.1	1951.3	2192.4	2450.5	2731.7	3026.5
-42.5°	789.2	927.7	1082.8	1251.0	1427.1	1618.6	1825.8	2052.6	2293.3	2549.3	2819.4
-45°	752.7	879.6	1016.2	1173.2	1336.2	1510.3	1702.4	1906.1	2134.2	2369.8	2613.2
-47.5°	712.1	829.5	958.9	1090.3	1242.9	1403.4	1573.7	1766.3	1968.0	2186.8	2411.4
-50°	668.4	779.8	893.6	1013.9	1147.4	1294.1	1449.7	1623.0	1809.6	2000.8	2202.9
-52.5°	623.3	725.8	828.8	935.9	1055.0	1185.4	1326.8	1480.2	1648.1	1823.4	1997.9
-55°	575.3	670.0	761.6	858.9	962.8	1078.9	1203.9	1340.6	1481.5	1641.1	1794.8
-57.5°	526.8	610.1	693.5	781.9	874.4	971.7	1085.5	1201.4	1328.4	1459.6	1587.6
-60°	476.7	549.3	623.5	703.3	786.9	875.0	967.7	1071.1	1178.7	1284.9	1397.6
-62.5°	424.6	488.7	554.0	622.4	697.5	776.9	859.7	945.9	1034.7	1127.0	1218.1
-65°	374.4	428.7	485.7	545.6	605.8	678.5	751.8	824.3	901.9	976.7	1049.7
-67.5°	323.3	374.8	422.7	469.4	525.0	587.4	644.9	710.6	775.6	837.1	896.5
-70°	280.9	322.1	366.1	408.4	452.2	505.3	561.7	614.0	663.1	714.7	770.4
-72.5°	240.1	279.9	316.7	350.5	394.8	444.5	490.8	533.9	580.8	629.8	674.9
-75°	202.8	237.5	273.4	306.6	343.5	386.9	433.6	477.5	517.3	557.0	598.1
-77.5°	166.9	192.9	223.1	257.2	293.8	327.5	364.4	404.2	441.5	479.3	519.4
-80°	128.1	146.7	167.2	190.8	218.0	247.8	279.8	313.7	343.5	370.9	397.9
-82.5°	86.2	100.4	114.8	129.2	144.4	160.4	178.1	199.8	219.1	238.4	258.1
-85°	47.7	53.8	63.6	73.5	81.9	90.8	100.2	110.1	119.2	128.2	137.0
-87.5°	27.8	31.0	34.2	37.7	39.9	42.1	44.2	46.1	48.7	51.2	53.7
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	17.2	17.5	17.8	18.0	18.3	19.1	19.9	20.7	21.5	21.3	21.0
87.5°	8.7	8.6	8.4	8.3	8.1	8.9	9.8	10.7	11.6	10.6	9.6
85°	16.6	16.7	16.7	16.6	16.5	17.6	18.7	19.8	20.8	19.2	17.5
82.5°	28.4	27.9	27.0	25.6	23.9	23.5	23.1	22.4	21.5	20.7	19.8
80°	42.2	40.2	37.6	34.5	31.1	29.3	27.6	25.7	23.6	23.0	22.5
77.5°	54.4	50.7	46.3	41.4	36.3	33.2	30.5	27.8	25.0	24.4	24.2
75°	62.2	57.4	50.9	44.2	37.2	32.9	29.7	26.6	23.6	22.7	22.3
72.5°	64.5	57.9	50.4	41.9	33.8	28.7	25.7	23.1	20.7	19.7	19.3
70°	60.4	51.6	43.2	35.1	27.6	22.9	20.8	19.0	17.5	16.8	16.5
67.5°	51.0	41.8	34.0	27.2	21.7	18.2	17.1	16.0	15.0	14.4	13.9
65°	38.8	31.6	25.8	21.3	17.8	15.7	14.7	13.8	13.0	12.3	11.8
62.5°	28.5	23.2	19.8	17.2	15.2	13.8	12.9	12.2	11.5	11.0	10.6
60°	21.5	17.8	15.7	14.1	12.9	12.0	11.4	10.9	10.4	10.0	9.5
57.5°	16.4	14.2	12.7	11.9	11.3	10.9	10.5	9.9	9.4	8.9	8.5
55°	12.9	11.8	11.0	10.7	10.5	10.1	9.6	9.2	8.6	7.9	7.5
52.5°	10.9	10.8	10.8	10.6	10.3	10.0	9.6	9.0	8.3	7.6	7.3
50°	10.8	10.9	10.9	10.7	10.4	10.1	9.7	9.3	8.8	8.4	8.1
47.5°	11.2	11.4	12.0	11.0	10.8	11.1	10.9	10.5	10.3	10.1	9.8
45°	13.2	15.5	16.0	15.2	13.3	14.8	14.3	12.6	13.6	13.5	12.7
42.5°	23.5	25.9	27.7	26.6	22.8	24.0	24.0	21.4	22.1	22.2	21.3
40°	44.7	43.8	46.9	45.7	41.5	40.0	41.7	38.8	38.2	39.7	37.9
37.5°	73.5	74.1	72.7	72.9	71.4	67.3	69.7	68.9	66.4	71.1	71.6
35°	115.0	118.6	107.3	111.7	113.7	109.3	112.1	119.9	114.9	125.7	128.6
32.5°	170.5	177.9	172.6	167.4	175.9	182.7	185.8	202.4	206.9	216.7	228.3
30°	238.9	258.1	273.3	263.8	262.7	286.6	300.3	322.7	344.3	357.3	381.1
27.5°	381.2	375.3	411.4	422.1	398.3	436.5	488.1	498.0	564.0	569.3	615.5
25°	602.5	599.4	610.3	662.6	675.9	695.0	783.8	830.7	906.3	947.2	982.6
22.5°	899.6	983.6	997.9	973.9	1088.9	1164.0	1188.9	1323.8	1385.5	1477.7	1505.4
20°	1271.3	1466.6	1713.3	1717.2	1669.9	1886.4	1976.1	2047.1	2197.9	2303.0	2374.3
17.5°	2245.6	2244.1	2748.0	3026.5	2994.9	3150.8	3591.9	3546.4	3902.7	4118.8	4127.9
15°	3675.5	3942.0	4261.8	4766.9	5196.6	5543.1	5961.9	6509.0	6952.2	7472.6	7867.8
12.5°	5311.4	5836.3	6383.6	6959.7	7634.2	8400.3	9233.3	9962.7	10830.3	11589.6	12374.7
10°	6950.5	7781.8	8554.3	9415.2	10373.9	11394.3	12616.1	13683.7	14967.1	16092.7	16832.8
7.5°	8453.5	9450.7	10494.8	11746.2	13084.4	14365.7	15748.9	17246.2	18747.7	20048.3	21152.7
5°	9922.5	11043.6	12200.8	13579.3	15108.6	16714.1	18425.7	20196.5	21769.8	23251.4	24540.9
2.5°	11074.9	12359.1	13681.2	15240.0	16885.3	18512.3	20225.8	22132.0	23961.8	25694.6	27019.4
0°	11759.9	13048.3	14345.4	15996.9	17803.6	19552.0	21462.1	23491.7	25423.3	27080.2	28308.4
-2.5°	11487.0	12742.0	14052.6	15684.2	17424.8	19054.0	20878.9	22845.0	24715.9	26393.9	27668.5
-5°	10870.1	11996.1	13197.5	14706.1	16334.4	17953.0	19742.2	21612.5	23226.5	24715.9	25858.8
-7.5°	10002.6	11041.4	12161.8	13558.6	15056.0	16469.4	17931.9	19440.8	20909.6	22183.4	23123.7
-10°	9081.3	10021.7	10986.1	12106.2	13382.4	14616.1	15850.1	17226.3	18436.8	19488.5	20264.0
-12.5°	8157.4	8929.8	9690.7	10547.2	11642.3	12752.6	13819.8	14973.9	15938.0	16805.7	17495.5
-15°	7270.5	7871.9	8449.2	9278.2	10242.5	11062.5	11719.2	12764.5	13419.0	14190.2	14672.5
-17.5°	6446.2	6926.4	7628.1	8340.6	9028.7	9702.5	10460.3	11079.1	11721.5	12351.5	12766.0
-20°	5797.6	6391.5	6984.6	7564.1	8155.2	8798.4	9398.2	9983.0	10542.8	11027.0	11359.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5375.4	5902.7	6401.9	6923.4	7499.2	8039.3	8546.1	9084.6	9563.3	9924.8	10195.2
-25°	4970.0	5428.5	5914.3	6436.0	6923.2	7377.9	7844.5	8260.2	8668.6	8969.7	9222.7
-27.5°	4604.6	5039.6	5518.2	5980.7	6414.9	6839.8	7236.3	7580.7	7921.0	8161.7	8413.3
-30°	4286.8	4727.4	5162.6	5573.7	5981.6	6366.6	6716.2	7043.1	7328.7	7563.2	7774.1
-32.5°	4046.7	4446.2	4833.8	5218.5	5605.0	5959.9	6266.0	6580.0	6842.7	7067.5	7258.6
-35°	3809.3	4185.0	4543.2	4895.7	5251.5	5593.7	5890.0	6163.5	6422.1	6623.3	6798.3
-37.5°	3577.8	3928.2	4259.6	4576.5	4902.1	5217.5	5487.9	5744.8	5975.9	6161.9	6327.9
-40°	3344.6	3665.5	3961.9	4257.2	4549.6	4814.0	5068.1	5304.7	5502.7	5674.2	5825.3
-42.5°	3103.7	3386.2	3653.6	3923.8	4190.9	4424.8	4649.1	4861.7	5030.2	5182.2	5313.0
-45°	2861.9	3110.5	3355.4	3598.2	3818.0	4034.0	4237.3	4416.8	4568.7	4703.3	4816.8
-47.5°	2629.1	2840.4	3064.5	3285.9	3474.8	3659.6	3837.4	3989.6	4121.6	4239.3	4339.1
-50°	2396.5	2585.0	2780.5	2970.5	3143.7	3305.9	3455.0	3587.9	3708.2	3809.9	3895.6
-52.5°	2166.2	2341.3	2508.3	2662.9	2820.2	2969.4	3108.0	3224.2	3329.6	3423.7	3499.2
-55°	1946.3	2101.2	2257.4	2389.0	2516.2	2640.4	2755.8	2859.7	2955.2	3041.6	3109.3
-57.5°	1724.5	1859.6	1990.1	2108.1	2222.3	2331.9	2425.5	2506.8	2583.0	2652.9	2712.6
-60°	1510.5	1623.0	1733.3	1831.8	1926.8	2018.0	2097.7	2167.0	2228.4	2282.5	2331.4
-62.5°	1309.5	1406.2	1494.1	1573.6	1648.0	1722.4	1790.3	1850.2	1902.2	1946.8	1985.1
-65°	1124.8	1204.8	1275.1	1340.9	1402.7	1465.4	1519.9	1569.1	1612.8	1649.6	1679.2
-67.5°	960.5	1023.1	1081.7	1132.7	1185.2	1238.5	1287.9	1330.9	1368.0	1397.4	1420.3
-70°	822.0	872.7	925.1	976.0	1026.0	1071.8	1114.5	1152.6	1186.6	1211.9	1232.1
-72.5°	716.2	759.0	807.4	858.7	906.1	951.7	995.1	1035.5	1073.1	1097.2	1116.0
-75°	640.3	684.5	727.8	770.5	812.5	852.6	893.0	934.2	975.8	1000.3	1020.0
-77.5°	556.4	587.4	619.5	654.4	691.5	727.5	762.6	797.4	831.4	848.5	861.4
-80°	426.5	451.2	475.5	500.0	524.6	550.0	575.5	600.8	625.7	637.2	645.8
-82.5°	278.0	295.0	311.1	326.6	341.4	354.1	365.9	377.0	387.1	392.1	395.5
-85°	145.6	153.1	160.1	166.8	173.0	176.9	180.2	183.0	185.4	188.5	191.2
-87.5°	56.0	58.1	60.2	62.2	64.1	65.1	65.9	66.7	67.3	68.3	69.3
-90°	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.5	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	20.8	20.5	21.0	21.5	21.0	20.5	20.8	21.0	21.3	21.5	20.7
87.5°	8.5	7.5	7.0	6.5	7.0	7.5	8.5	9.6	10.6	11.6	10.7
85°	15.8	14.0	12.9	11.9	12.9	14.0	15.8	17.5	19.2	20.8	19.8
82.5°	19.0	18.3	18.3	18.3	18.3	18.3	19.0	19.8	20.7	21.5	22.4
80°	22.0	21.5	21.5	21.5	21.5	21.5	22.0	22.5	23.0	23.6	25.7
77.5°	23.9	23.7	23.2	22.6	23.2	23.7	23.9	24.2	24.4	25.0	27.8
75°	21.9	21.6	21.5	21.5	21.5	21.6	21.9	22.3	22.7	23.6	26.6
72.5°	18.8	18.4	18.3	18.3	18.3	18.4	18.8	19.3	19.7	20.7	23.1
70°	16.4	16.3	15.7	15.1	15.7	16.3	16.4	16.5	16.8	17.5	19.0
67.5°	13.5	13.1	12.9	12.9	12.9	13.1	13.5	13.9	14.4	15.0	16.0
65°	11.4	10.9	10.8	10.8	10.8	10.9	11.4	11.8	12.3	13.0	13.8
62.5°	10.2	9.8	9.2	8.6	9.2	9.8	10.2	10.6	11.0	11.5	12.2
60°	9.1	8.7	8.1	7.5	8.1	8.7	9.1	9.5	10.0	10.4	10.9
57.5°	8.1	7.7	7.5	7.5	7.5	7.7	8.1	8.5	8.9	9.4	9.9
55°	7.1	6.7	6.5	6.5	6.5	6.7	7.1	7.5	7.9	8.6	9.2
52.5°	6.9	6.6	6.5	6.5	6.5	6.6	6.9	7.3	7.6	8.3	9.0
50°	7.9	7.6	7.5	7.5	7.5	7.6	7.9	8.1	8.4	8.8	9.3
47.5°	9.4	8.9	8.6	8.6	8.6	8.9	9.4	9.8	10.1	10.3	10.5
45°	12.4	12.0	11.8	11.9	11.8	12.0	12.4	12.7	13.5	13.6	12.6
42.5°	21.5	20.9	20.0	19.4	20.0	20.9	21.5	21.3	22.2	22.1	21.4
40°	38.0	37.2	36.0	35.6	36.0	37.2	38.0	37.9	39.7	38.2	38.8
37.5°	72.6	72.1	69.7	68.9	69.7	72.1	72.6	71.6	71.1	66.4	68.9
35°	128.4	129.4	127.2	127.1	127.2	129.4	128.4	128.6	125.7	114.9	119.9
32.5°	232.2	234.7	228.1	231.6	228.1	234.7	232.2	228.3	216.7	206.9	202.4
30°	380.3	388.8	385.1	386.8	385.1	388.8	380.3	381.1	357.3	344.3	322.7
27.5°	620.0	626.3	613.3	608.7	613.3	626.3	620.0	615.5	569.3	564.0	498.0
25°	1002.5	1006.5	993.7	998.7	993.7	1006.5	1002.5	982.6	947.2	906.3	830.7
22.5°	1561.6	1546.7	1532.5	1519.0	1532.5	1546.7	1561.6	1505.4	1477.7	1385.5	1323.8
20°	2440.5	2406.0	2401.4	2375.5	2401.4	2406.0	2440.5	2374.3	2303.0	2197.9	2047.1
17.5°	4348.2	4410.8	4271.9	4003.3	4271.9	4410.8	4348.2	4127.9	4118.8	3902.7	3546.4
15°	8100.4	8394.4	8520.7	8212.3	8520.7	8394.4	8100.4	7867.8	7472.6	6952.2	6509.0
12.5°	12808.1	13015.1	13265.8	13082.8	13265.8	13015.1	12808.1	12374.7	11589.6	10830.3	9962.7
10°	17468.4	17778.2	18157.7	17986.7	18157.7	17778.2	17468.4	16832.8	16092.7	14967.1	13683.7
7.5°	21760.5	22294.4	22627.8	22413.4	22627.8	22294.4	21760.5	21152.7	20048.3	18747.7	17246.2
5°	25423.6	25845.5	26046.6	25991.1	26046.6	25845.5	25423.6	24540.9	23251.4	21769.8	20196.5
2.5°	27772.6	28218.1	28398.2	28248.6	28398.2	28218.1	27772.6	27019.4	25694.6	23961.8	22132.0
0°	28920.8	29338.3	29624.8	29647.5	29624.8	29338.3	28920.8	28308.4	27080.2	25423.3	23491.7
-2.5°	28257.3	28511.0	28648.0	28556.7	28648.0	28511.0	28257.3	27668.5	26393.9	24715.9	22845.0
-5°	26519.5	26787.8	26874.8	26981.1	26874.8	26787.8	26519.5	25858.8	24715.9	23226.5	21612.5
-7.5°	23652.6	23946.9	24163.9	24154.8	24163.9	23946.9	23652.6	23123.7	22183.4	20909.6	19440.8
-10°	20840.7	21059.4	21285.7	21247.7	21285.7	21059.4	20840.7	20264.0	19488.5	18436.8	17226.3
-12.5°	18053.9	18418.7	18507.3	18480.7	18507.3	18418.7	18053.9	17495.5	16805.7	15938.0	14973.9
-15°	15221.6	15491.9	15469.8	15397.9	15469.8	15491.9	15221.6	14672.5	14190.2	13419.0	12764.5
-17.5°	13124.7	13273.8	13330.7	13274.6	13330.7	13273.8	13124.7	12766.0	12351.5	11721.5	11079.1
-20°	11632.6	11747.8	11786.5	11812.7	11786.5	11747.8	11632.6	11359.3	11027.0	10542.8	9983.0



REPORT NUMBER: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10428.0	10545.7	10579.8	10624.4	10579.8	10545.7	10428.0	10195.2	9924.8	9563.3	9084.6
-25°	9417.9	9532.8	9571.7	9616.0	9571.7	9532.8	9417.9	9222.7	8969.7	8668.6	8260.2
-27.5°	8582.1	8694.3	8741.1	8774.7	8741.1	8694.3	8582.1	8413.3	8161.7	7921.0	7580.7
-30°	7923.9	8034.4	8101.2	8122.9	8101.2	8034.4	7923.9	7774.1	7563.2	7328.7	7043.1
-32.5°	7401.6	7498.1	7560.9	7592.9	7560.9	7498.1	7401.6	7258.6	7067.5	6842.7	6580.0
-35°	6936.5	7033.4	7098.7	7131.8	7098.7	7033.4	6936.5	6798.3	6623.3	6422.1	6163.5
-37.5°	6460.9	6566.4	6635.4	6637.3	6635.4	6566.4	6460.9	6327.9	6161.9	5975.9	5744.8
-40°	5936.2	6019.8	6074.6	6096.5	6074.6	6019.8	5936.2	5825.3	5674.2	5502.7	5304.7
-42.5°	5409.9	5480.9	5525.3	5543.8	5525.3	5480.9	5409.9	5313.0	5182.2	5030.2	4861.7
-45°	4907.4	4979.0	5016.0	5010.5	5016.0	4979.0	4907.4	4816.8	4703.3	4568.7	4416.8
-47.5°	4415.9	4471.4	4501.7	4508.5	4501.7	4471.4	4415.9	4339.1	4239.3	4121.6	3989.6
-50°	3968.3	4027.2	4052.4	4045.3	4052.4	4027.2	3968.3	3895.6	3809.9	3708.2	3587.9
-52.5°	3561.4	3611.5	3633.2	3630.5	3633.2	3611.5	3561.4	3499.2	3423.7	3329.6	3224.2
-55°	3164.7	3207.9	3225.1	3222.2	3225.1	3207.9	3164.7	3109.3	3041.6	2955.2	2859.7
-57.5°	2762.1	2801.0	2812.6	2805.3	2812.6	2801.0	2762.1	2712.6	2652.9	2583.0	2506.8
-60°	2372.1	2404.1	2414.0	2409.9	2414.0	2404.1	2372.1	2331.4	2282.5	2228.4	2167.0
-62.5°	2016.7	2041.5	2051.7	2052.3	2051.7	2041.5	2016.7	1985.1	1946.8	1902.2	1850.2
-65°	1703.1	1721.5	1729.6	1731.2	1729.6	1721.5	1703.1	1679.2	1649.6	1612.8	1569.1
-67.5°	1438.8	1453.1	1458.2	1458.7	1458.2	1453.1	1438.8	1420.3	1397.4	1368.0	1330.9
-70°	1250.1	1266.1	1272.8	1276.6	1272.8	1266.1	1250.1	1232.1	1211.9	1186.6	1152.6
-72.5°	1133.6	1150.0	1157.8	1163.5	1157.8	1150.0	1133.6	1116.0	1097.2	1073.1	1035.5
-75°	1038.8	1056.2	1061.7	1064.4	1061.7	1056.2	1038.8	1020.0	1000.3	975.8	934.2
-77.5°	872.7	882.1	885.5	886.6	885.5	882.1	872.7	861.4	848.5	831.4	797.4
-80°	652.6	657.5	666.8	674.4	666.8	657.5	652.6	645.8	637.2	625.7	600.8
-82.5°	397.7	398.5	403.9	408.3	403.9	398.5	397.7	395.5	392.1	387.1	377.0
-85°	193.4	195.1	199.6	203.6	199.6	195.1	193.4	191.2	188.5	185.4	183.0
-87.5°	70.1	70.9	70.5	70.0	70.5	70.9	70.1	69.3	68.3	67.3	66.7
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5



REPORT NUMBER: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	19.9	19.1	18.3	18.0	17.8	17.5	17.2	15.9	14.6	13.2	11.9
87.5°	9.8	8.9	8.1	8.3	8.4	8.6	8.7	8.1	7.6	7.1	6.6
85°	18.7	17.6	16.5	16.6	16.7	16.7	16.6	16.1	15.5	14.7	13.8
82.5°	23.1	23.5	23.9	25.6	27.0	27.9	28.4	28.2	27.7	26.8	25.4
80°	27.6	29.3	31.1	34.5	37.6	40.2	42.2	43.0	43.4	43.2	41.8
77.5°	30.5	33.2	36.3	41.4	46.3	50.7	54.4	56.1	56.9	57.3	55.7
75°	29.7	32.9	37.2	44.2	50.9	57.4	62.2	65.0	67.3	69.0	67.4
72.5°	25.7	28.7	33.8	41.9	50.4	57.9	64.5	70.1	74.8	78.5	76.2
70°	20.8	22.9	27.6	35.1	43.2	51.6	60.4	69.4	78.7	85.1	81.3
67.5°	17.1	18.2	21.7	27.2	34.0	41.8	51.0	61.5	71.5	81.1	80.2
65°	14.7	15.7	17.8	21.3	25.8	31.6	38.8	47.8	58.7	69.7	71.2
62.5°	12.9	13.8	15.2	17.2	19.8	23.2	28.5	36.0	44.9	52.5	56.3
60°	11.4	12.0	12.9	14.1	15.7	17.8	21.5	26.3	32.4	38.7	42.8
57.5°	10.5	10.9	11.3	11.9	12.7	14.2	16.4	19.1	24.0	28.0	31.4
55°	9.6	10.1	10.5	10.7	11.0	11.8	12.9	14.8	17.8	20.1	24.1
52.5°	9.6	10.0	10.3	10.6	10.8	10.8	10.9	12.2	14.0	16.6	18.9
50°	9.7	10.1	10.4	10.7	10.9	10.9	10.8	10.8	12.5	14.5	16.4
47.5°	10.9	11.1	10.8	11.0	12.0	11.4	11.2	12.0	13.5	13.6	15.3
45°	14.3	14.8	13.3	15.2	16.0	15.5	13.2	16.1	17.0	16.6	15.0
42.5°	24.0	24.0	22.8	26.6	27.7	25.9	23.5	25.8	24.7	22.2	25.0
40°	41.7	40.0	41.5	45.7	46.9	43.8	44.7	41.7	38.9	32.8	42.6
37.5°	69.7	67.3	71.4	72.9	72.7	74.1	73.5	67.3	58.7	63.7	71.4
35°	112.1	109.3	113.7	111.7	107.3	118.6	115.0	101.1	94.1	102.0	107.1
32.5°	185.8	182.7	175.9	167.4	172.6	177.9	170.5	149.9	152.9	152.8	147.2
30°	300.3	286.6	262.7	263.8	273.3	258.1	238.9	246.1	235.9	214.9	194.3
27.5°	488.1	436.5	398.3	422.1	411.4	375.3	381.2	370.6	336.2	297.4	269.3
25°	783.8	695.0	675.9	662.6	610.3	599.4	602.5	552.4	471.0	414.6	452.9
22.5°	1188.9	1164.0	1088.9	973.9	997.9	983.6	899.6	785.4	700.7	762.1	713.1
20°	1976.1	1886.4	1669.9	1717.2	1713.3	1466.6	1271.3	1286.8	1335.8	1228.9	1040.0
17.5°	3591.9	3150.8	2994.9	3026.5	2748.0	2244.1	2245.6	2269.6	2101.8	1789.6	1422.9
15°	5961.9	5543.1	5196.6	4766.9	4261.8	3942.0	3675.5	3426.0	2998.5	2464.4	1980.4
12.5°	9233.3	8400.3	7634.2	6959.7	6383.6	5836.3	5311.4	4749.2	4052.9	3386.7	2828.3
10°	12616.1	11394.3	10373.9	9415.2	8554.3	7781.8	6950.5	6094.6	5219.3	4389.3	3676.3
7.5°	15748.9	14365.7	13084.4	11746.2	10494.8	9450.7	8453.5	7423.4	6368.2	5381.6	4516.3
5°	18425.7	16714.1	15108.6	13579.3	12200.8	11043.6	9922.5	8729.9	7486.4	6351.6	5337.0
2.5°	20225.8	18512.3	16885.3	15240.0	13681.2	12359.1	11074.9	9710.2	8272.0	6934.0	5789.6
0°	21462.1	19552.0	17803.6	15996.9	14345.4	13048.3	11759.9	10376.6	8865.1	7396.8	6204.2
-2.5°	20878.9	19054.0	17424.8	15684.2	14052.6	12742.0	11487.0	10229.0	8746.4	7346.5	6196.4
-5°	19742.2	17953.0	16334.4	14706.1	13197.5	11996.1	10870.1	9760.0	8431.8	7186.5	6141.6
-7.5°	17931.9	16469.4	15056.0	13558.6	12161.8	11041.4	10002.6	8956.2	7786.8	6678.4	5725.6
-10°	15850.1	14616.1	13382.4	12106.2	10986.1	10021.7	9081.3	8125.2	7108.5	6139.1	5287.2
-12.5°	13819.8	12752.6	11642.3	10547.2	9690.7	8929.8	8157.4	7310.4	6410.3	5577.0	4838.6
-15°	11719.2	11062.5	10242.5	9278.2	8449.2	7871.9	7270.5	6579.6	5803.4	5044.2	4389.1
-17.5°	10460.3	9702.5	9028.7	8340.6	7628.1	6926.4	6446.2	5899.3	5267.5	4627.8	4040.8
-20°	9398.2	8798.4	8155.2	7564.1	6984.6	6391.5	5797.6	5268.7	4766.4	4245.0	3752.2



REPORT NUMBER: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8546.1	8039.3	7499.2	6923.4	6401.9	5902.7	5375.4	4823.9	4293.9	3871.7	3463.6
-25°	7844.5	7377.9	6923.2	6436.0	5914.3	5428.5	4970.0	4491.4	4000.5	3533.5	3182.3
-27.5°	7236.3	6839.8	6414.9	5980.7	5518.2	5039.6	4604.6	4177.0	3742.5	3322.4	2930.8
-30°	6716.2	6366.6	5981.6	5573.7	5162.6	4727.4	4286.8	3899.5	3513.2	3128.8	2763.7
-32.5°	6266.0	5959.9	5605.0	5218.5	4833.8	4446.2	4046.7	3639.9	3291.2	2953.2	2618.3
-35°	5890.0	5593.7	5251.5	4895.7	4543.2	4185.0	3809.3	3437.0	3092.8	2778.4	2470.7
-37.5°	5487.9	5217.5	4902.1	4576.5	4259.6	3928.2	3577.8	3236.1	2907.4	2613.4	2333.0
-40°	5068.1	4814.0	4549.6	4257.2	3961.9	3665.5	3344.6	3026.5	2731.7	2450.5	2192.4
-42.5°	4649.1	4424.8	4190.9	3923.8	3653.6	3386.2	3103.7	2819.4	2549.3	2293.3	2052.6
-45°	4237.3	4034.0	3818.0	3598.2	3355.4	3110.5	2861.9	2613.2	2369.8	2134.2	1906.1
-47.5°	3837.4	3659.6	3474.8	3285.9	3064.5	2840.4	2629.1	2411.4	2186.8	1968.0	1766.3
-50°	3455.0	3305.9	3143.7	2970.5	2780.5	2585.0	2396.5	2202.9	2000.8	1809.6	1623.0
-52.5°	3108.0	2969.4	2820.2	2662.9	2508.3	2341.3	2166.2	1997.9	1823.4	1648.1	1480.2
-55°	2755.8	2640.4	2516.2	2389.0	2257.4	2101.2	1946.3	1794.8	1641.1	1481.5	1340.6
-57.5°	2425.5	2331.9	2222.3	2108.1	1990.1	1859.6	1724.5	1587.6	1459.6	1328.4	1201.4
-60°	2097.7	2018.0	1926.8	1831.8	1733.3	1623.0	1510.5	1397.6	1284.9	1178.7	1071.1
-62.5°	1790.3	1722.4	1648.0	1573.6	1494.1	1406.2	1309.5	1218.1	1127.0	1034.7	945.9
-65°	1519.9	1465.4	1402.7	1340.9	1275.1	1204.8	1124.8	1049.7	976.7	901.9	824.3
-67.5°	1287.9	1238.5	1185.2	1132.7	1081.7	1023.1	960.5	896.5	837.1	775.6	710.6
-70°	1114.5	1071.8	1026.0	976.0	925.1	872.7	822.0	770.4	714.7	663.1	614.0
-72.5°	995.1	951.7	906.1	858.7	807.4	759.0	716.2	674.9	629.8	580.8	533.9
-75°	893.0	852.6	812.5	770.5	727.8	684.5	640.3	598.1	557.0	517.3	477.5
-77.5°	762.6	727.5	691.5	654.4	619.5	587.4	556.4	519.4	479.3	441.5	404.2
-80°	575.5	550.0	524.6	500.0	475.5	451.2	426.5	397.9	370.9	343.5	313.7
-82.5°	365.9	354.1	341.4	326.6	311.1	295.0	278.0	258.1	238.4	219.1	199.8
-85°	180.2	176.9	173.0	166.8	160.1	153.1	145.6	137.0	128.2	119.2	110.1
-87.5°	65.9	65.1	64.1	62.2	60.2	58.1	56.0	53.7	51.2	48.7	46.1
-90°	2.7	3.0	3.2	3.5	3.8	4.0	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.1	10.3	9.4	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.8
87.5°	7.2	7.8	8.3	8.7	8.1	7.5	7.0	6.6	6.7	6.7	6.6
85°	13.4	13.2	13.2	13.3	12.2	10.8	9.8	8.9	9.1	9.1	9.0
82.5°	22.8	21.1	19.8	18.8	18.2	17.2	15.8	14.0	12.4	11.6	11.4
80°	37.4	33.4	29.7	26.5	24.7	23.8	22.6	20.6	17.3	15.0	13.6
77.5°	50.3	45.3	40.6	35.8	31.8	28.8	27.1	25.9	22.0	18.2	15.6
75°	61.6	55.3	49.2	43.4	37.9	33.5	30.0	27.4	24.2	21.1	17.5
72.5°	69.2	62.7	56.6	50.0	42.8	36.9	32.3	28.9	25.4	22.1	19.0
70°	74.7	68.6	61.9	54.4	46.8	39.7	33.9	29.9	26.6	23.1	19.8
67.5°	78.0	71.1	64.8	58.0	50.2	42.5	35.2	30.9	27.4	24.0	20.5
65°	69.8	68.3	66.2	58.9	52.0	44.9	37.2	32.1	28.2	24.7	21.1
62.5°	59.2	60.4	59.4	57.6	52.3	45.6	39.2	33.9	29.1	25.3	21.7
60°	46.3	49.6	51.8	51.4	49.7	45.4	39.7	35.6	30.5	25.9	22.2
57.5°	35.8	39.2	42.8	44.8	44.5	42.8	39.9	36.2	31.7	26.8	22.8
55°	27.1	31.1	34.9	37.9	39.2	38.4	39.0	36.3	32.6	27.7	23.5
52.5°	21.8	25.0	28.5	31.9	34.1	34.8	36.3	36.4	32.6	28.4	24.5
50°	18.5	22.1	24.4	27.0	29.6	31.9	33.9	34.6	32.6	28.9	25.5
47.5°	18.5	22.0	23.4	23.7	25.9	29.3	31.7	32.8	32.5	28.8	26.5
45°	22.4	24.9	24.9	24.2	23.8	27.7	29.7	31.3	31.3	29.5	27.6
42.5°	30.1	32.0	29.8	25.8	28.3	27.2	28.0	29.9	30.2	30.3	28.4
40°	46.2	43.4	37.6	37.0	37.3	27.8	28.2	28.6	29.4	31.0	29.2
37.5°	67.2	61.2	51.2	54.6	50.8	39.1	29.3	27.5	30.1	31.6	30.1
35°	100.7	85.1	79.3	78.8	70.6	53.2	31.2	27.7	31.5	32.4	31.0
32.5°	140.6	126.7	120.8	108.0	94.1	70.1	40.7	33.1	33.5	33.5	32.0
30°	192.9	199.0	171.1	140.4	121.4	92.3	61.0	39.9	36.2	34.8	33.0
27.5°	296.9	287.2	232.9	186.0	151.8	119.9	95.5	48.0	39.6	36.6	34.0
25°	433.8	393.8	318.5	240.4	184.1	203.4	138.9	58.1	45.3	39.2	35.1
22.5°	618.6	520.0	414.7	299.7	310.2	309.1	199.0	91.1	52.6	42.2	36.4
20°	833.7	663.5	558.6	518.4	467.9	422.2	280.0	128.8	60.4	45.5	37.7
17.5°	1085.1	976.7	919.4	785.7	650.3	545.7	373.0	170.1	68.7	48.9	39.1
15°	1690.2	1502.4	1321.0	1080.5	847.7	677.7	475.4	214.1	77.2	52.6	43.0
12.5°	2387.0	2052.0	1753.8	1396.5	1056.2	815.8	584.2	259.6	85.9	61.0	50.3
10°	3097.4	2618.0	2208.7	1726.6	1271.9	957.8	696.4	310.4	106.4	73.4	57.8
7.5°	3812.0	3192.0	2675.4	2063.1	1484.4	1096.6	815.3	370.9	128.9	85.9	65.5
5°	4462.9	3676.5	3054.2	2333.8	1661.6	1227.7	930.4	429.0	151.5	98.4	73.2
2.5°	4849.7	4007.6	3361.6	2581.4	1829.5	1353.2	1037.8	483.3	173.7	110.8	80.9
0°	5204.5	4315.7	3645.6	2809.6	1985.5	1471.6	1134.4	532.2	195.0	122.8	88.3
-2.5°	5176.5	4321.3	3638.6	2843.6	2055.8	1533.4	1176.3	592.1	254.2	165.8	116.6
-5°	5116.8	4301.1	3608.0	2855.9	2111.2	1585.6	1205.9	645.2	311.5	207.6	144.2
-7.5°	4852.7	4143.2	3508.4	2834.9	2151.2	1627.1	1224.7	691.7	365.9	247.6	170.7
-10°	4529.1	3896.8	3314.8	2698.5	2091.1	1622.6	1228.6	731.7	416.9	285.4	195.7
-12.5°	4194.6	3641.0	3114.4	2552.2	2006.5	1577.7	1190.4	747.9	461.9	320.3	218.9
-15°	3854.9	3379.9	2912.1	2399.9	1915.5	1526.9	1149.0	751.4	489.2	348.8	239.8
-17.5°	3533.4	3117.7	2712.4	2244.7	1820.1	1471.0	1106.5	751.5	513.0	370.6	257.9
-20°	3306.5	2901.0	2518.3	2089.7	1721.9	1410.8	1064.7	748.8	533.1	389.7	273.7



REPORT NUMBER: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3080.7	2718.5	2351.5	1959.8	1631.1	1347.3	1025.5	743.9	549.4	406.2	287.2
-25°	2853.1	2533.6	2195.0	1856.6	1552.0	1286.3	999.1	737.3	561.6	419.7	298.3
-27.5°	2640.4	2351.3	2045.1	1753.1	1482.4	1234.3	982.8	747.4	571.7	430.3	306.9
-30°	2435.6	2186.6	1921.0	1655.2	1409.9	1182.6	966.8	753.3	581.8	438.7	312.9
-32.5°	2295.6	2035.8	1805.8	1570.9	1343.9	1128.4	936.2	754.1	588.0	444.3	318.2
-35°	2186.7	1923.2	1695.7	1485.2	1279.1	1080.5	898.3	749.7	590.2	446.3	321.7
-37.5°	2067.6	1825.4	1601.4	1404.1	1211.9	1028.4	865.3	725.2	588.5	444.8	322.7
-40°	1951.3	1723.1	1513.8	1328.6	1148.3	972.3	828.6	699.6	583.0	439.5	321.2
-42.5°	1825.8	1618.6	1427.1	1251.0	1082.8	927.7	789.2	670.4	559.4	433.7	317.1
-45°	1702.4	1510.3	1336.2	1173.2	1016.2	879.6	752.7	637.8	531.1	425.9	310.9
-47.5°	1573.7	1403.4	1242.9	1090.3	958.9	829.5	712.1	603.2	500.5	414.6	302.7
-50°	1449.7	1294.1	1147.4	1013.9	893.6	779.8	668.4	565.7	472.1	390.0	291.8
-52.5°	1326.8	1185.4	1055.0	935.9	828.8	725.8	623.3	526.0	441.2	364.0	278.3
-55°	1203.9	1078.9	962.8	858.9	761.6	670.0	575.3	487.6	407.9	336.6	262.5
-57.5°	1085.5	971.7	874.4	781.9	693.5	610.1	526.8	446.5	373.9	307.6	245.7
-60°	967.7	875.0	786.9	703.3	623.5	549.3	476.7	403.8	338.7	277.9	223.2
-62.5°	859.7	776.9	697.5	622.4	554.0	488.7	424.6	361.5	301.7	249.7	198.6
-65°	751.8	678.5	605.8	545.6	485.7	428.7	374.4	317.5	267.9	220.7	174.8
-67.5°	644.9	587.4	525.0	469.4	422.7	374.8	323.3	277.7	234.4	190.9	153.9
-70°	561.7	505.3	452.2	408.4	366.1	322.1	280.9	239.6	200.2	167.0	132.6
-72.5°	490.8	444.5	394.8	350.5	316.7	279.9	240.1	202.8	173.4	142.8	111.0
-75°	433.6	386.9	343.5	306.6	273.4	237.5	202.8	173.6	146.5	118.3	91.8
-77.5°	364.4	327.5	293.8	257.2	223.1	192.9	166.9	144.2	118.7	94.3	72.8
-80°	279.8	247.8	218.0	190.8	167.2	146.7	128.1	109.3	88.5	69.8	53.4
-82.5°	178.1	160.4	144.4	129.2	114.8	100.4	86.2	72.1	57.6	44.7	36.9
-85°	100.2	90.8	81.9	73.5	63.6	53.8	47.7	42.0	36.7	31.6	26.9
-87.5°	44.2	42.1	39.9	37.7	34.2	31.0	27.8	24.8	22.0	19.3	16.9
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P701361 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.5	6.2	6.0	5.7	5.4	4.9	4.3
87.5°	6.5	6.0	5.5	5.1	4.8	4.5	4.3
85°	8.7	7.7	6.7	5.9	5.2	4.7	4.3
82.5°	10.9	9.3	7.9	6.7	5.7	4.9	4.3
80°	13.0	11.0	9.1	7.5	6.2	5.0	4.3
77.5°	14.0	12.2	10.3	8.3	6.6	5.2	4.3
75°	14.9	12.7	11.2	9.0	7.1	5.4	4.3
72.5°	15.8	13.2	11.4	9.8	7.5	5.6	4.3
70°	16.6	13.6	11.6	10.4	7.9	5.7	4.3
67.5°	17.2	14.0	11.7	10.3	8.3	5.9	4.3
65°	17.9	14.5	11.8	10.2	8.7	6.1	4.3
62.5°	18.5	15.1	11.8	10.2	9.1	6.2	4.3
60°	19.1	15.7	11.8	10.0	9.4	6.4	4.3
57.5°	19.9	16.2	12.2	9.9	9.3	6.5	4.3
55°	20.6	16.8	12.7	9.7	9.2	6.7	4.3
52.5°	21.4	17.4	13.2	9.5	9.2	6.8	4.3
50°	22.2	18.1	13.6	9.3	9.1	6.9	4.3
47.5°	23.0	18.8	14.1	9.2	9.0	7.0	4.3
45°	23.9	19.6	14.5	9.5	9.0	7.1	4.3
42.5°	24.8	20.3	14.9	9.8	9.0	7.2	4.3
40°	25.7	21.1	15.3	10.3	9.0	7.3	4.3
37.5°	26.6	21.8	15.9	10.8	9.0	7.4	4.3
35°	27.4	22.5	16.4	11.4	9.0	7.4	4.3
32.5°	28.2	23.2	17.0	12.0	9.0	7.5	4.3
30°	29.0	23.8	17.5	12.6	9.0	7.5	4.3
27.5°	29.7	24.4	18.5	13.1	9.0	7.6	4.3
25°	30.5	24.9	19.7	13.7	9.1	7.6	4.3
22.5°	31.3	25.9	20.9	14.3	9.1	7.6	4.3
20°	32.0	27.9	22.0	14.8	9.2	7.7	4.3
17.5°	34.8	30.1	23.2	15.4	9.3	7.7	4.3
15°	39.0	32.3	24.3	15.9	9.3	7.7	4.3
12.5°	43.4	34.5	25.4	16.4	9.4	7.7	4.3
10°	47.9	36.7	26.5	16.8	9.5	7.6	4.3
7.5°	52.4	39.0	27.5	17.2	9.5	7.6	4.3
5°	57.0	41.1	28.5	17.6	9.6	7.6	4.3
2.5°	61.4	43.2	29.4	18.0	9.6	7.5	4.3
0°	65.7	45.2	30.2	18.3	9.7	7.5	4.3
-2.5°	82.9	55.0	35.3	20.5	10.4	7.7	4.3
-5°	99.6	64.6	40.2	22.7	11.2	7.8	4.3
-7.5°	115.6	73.8	44.9	24.8	11.9	8.0	4.3
-10°	130.7	82.4	49.3	26.7	12.6	8.1	4.3
-12.5°	144.7	90.5	53.5	28.5	13.2	8.2	4.3
-15°	157.4	97.8	57.2	30.2	13.8	8.3	4.3
-17.5°	168.6	104.3	60.6	31.6	14.4	8.4	4.3
-20°	179.1	109.9	63.4	32.9	14.9	8.5	4.3



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	189.8	114.5	65.8	33.9	15.4	8.6	4.3
-25°	198.8	120.3	67.6	34.7	15.8	8.7	4.3
-27.5°	206.2	125.9	68.8	35.3	16.2	8.7	4.3
-30°	211.8	130.3	69.7	35.6	16.4	8.8	4.3
-32.5°	215.6	133.4	72.0	35.6	16.6	8.8	4.3
-35°	218.6	135.2	73.4	35.3	16.8	8.8	4.3
-37.5°	220.1	136.0	74.0	34.7	16.9	8.7	4.3
-40°	219.5	136.3	73.7	33.8	16.8	8.7	4.3
-42.5°	216.9	135.2	73.2	33.0	16.8	8.6	4.3
-45°	212.3	132.7	72.5	32.4	16.6	8.6	4.3
-47.5°	205.7	128.8	71.0	31.4	16.4	8.5	4.3
-50°	198.4	123.5	68.8	31.1	16.0	8.4	4.3
-52.5°	189.5	116.9	65.9	30.8	15.7	8.3	4.3
-55°	178.6	110.9	62.2	30.2	15.2	8.1	4.3
-57.5°	165.9	104.3	57.8	29.2	14.7	8.0	4.3
-60°	151.8	96.5	52.9	28.0	14.1	7.8	4.3
-62.5°	139.3	87.8	49.6	26.4	13.6	7.6	4.3
-65°	125.5	78.1	45.9	24.6	13.0	7.4	4.3
-67.5°	110.4	69.3	41.7	22.5	12.4	7.2	4.3
-70°	94.2	61.5	37.1	20.2	11.7	7.0	4.3
-72.5°	81.0	53.2	32.1	18.5	11.0	6.7	4.3
-75°	67.7	44.3	26.7	16.9	10.3	6.5	4.3
-77.5°	53.6	34.9	23.1	15.2	9.5	6.2	4.3
-80°	39.0	28.1	19.8	13.4	8.7	6.0	4.3
-82.5°	30.4	22.8	16.5	11.5	7.9	5.7	4.3
-85°	22.6	17.3	13.0	9.6	7.1	5.4	4.3
-87.5°	14.6	11.8	9.5	7.6	6.2	5.1	4.3
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3

(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

