

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: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701599 (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-08-0640L-57-80-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

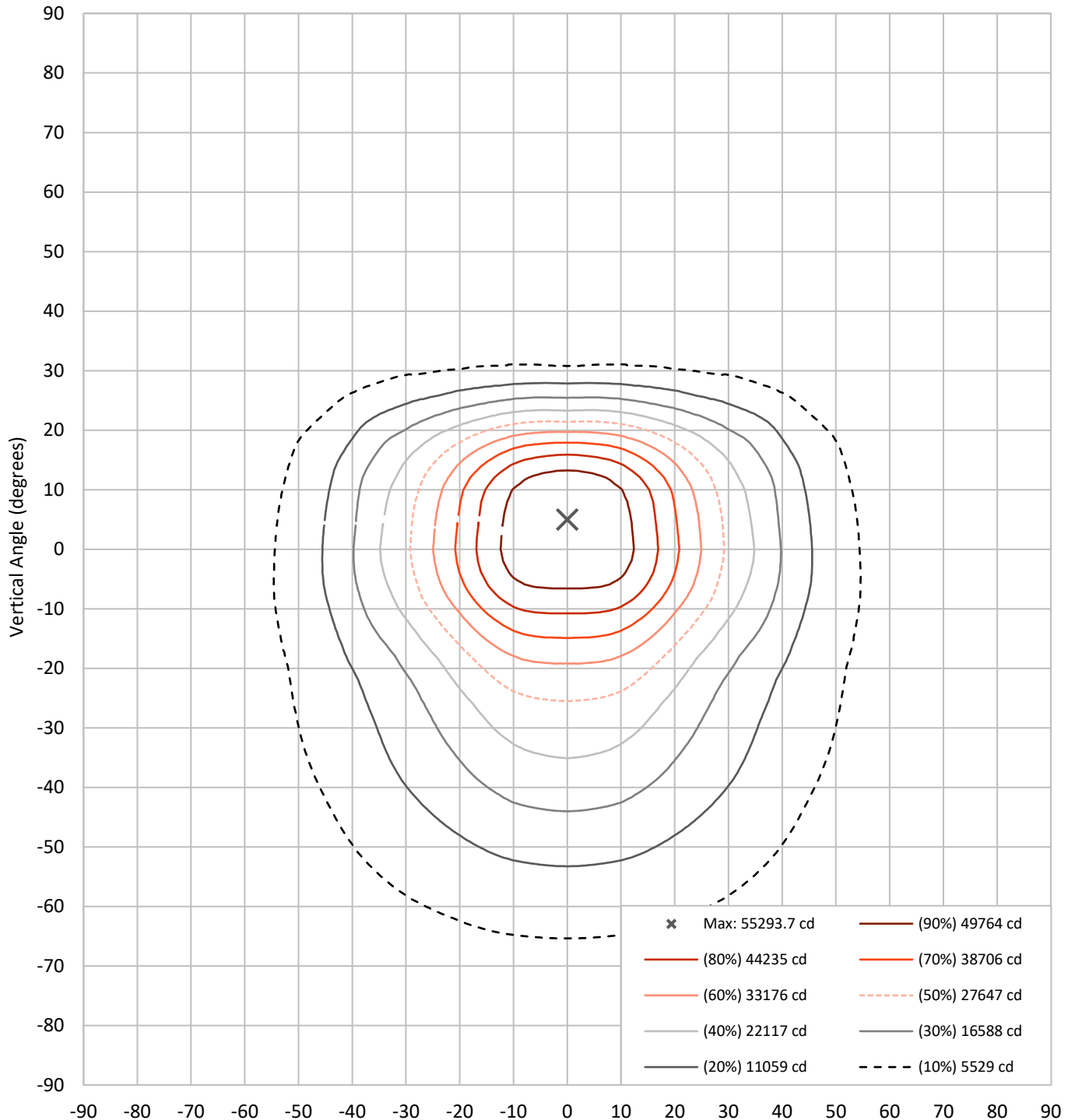
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	54178.5 lumens	Max Intensity:	55293.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	82.3 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:	26058.7 lumens	Field Lumens:	50225.1 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 658
Input Voltage (V): NR
Input Current (A_{in}): 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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CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

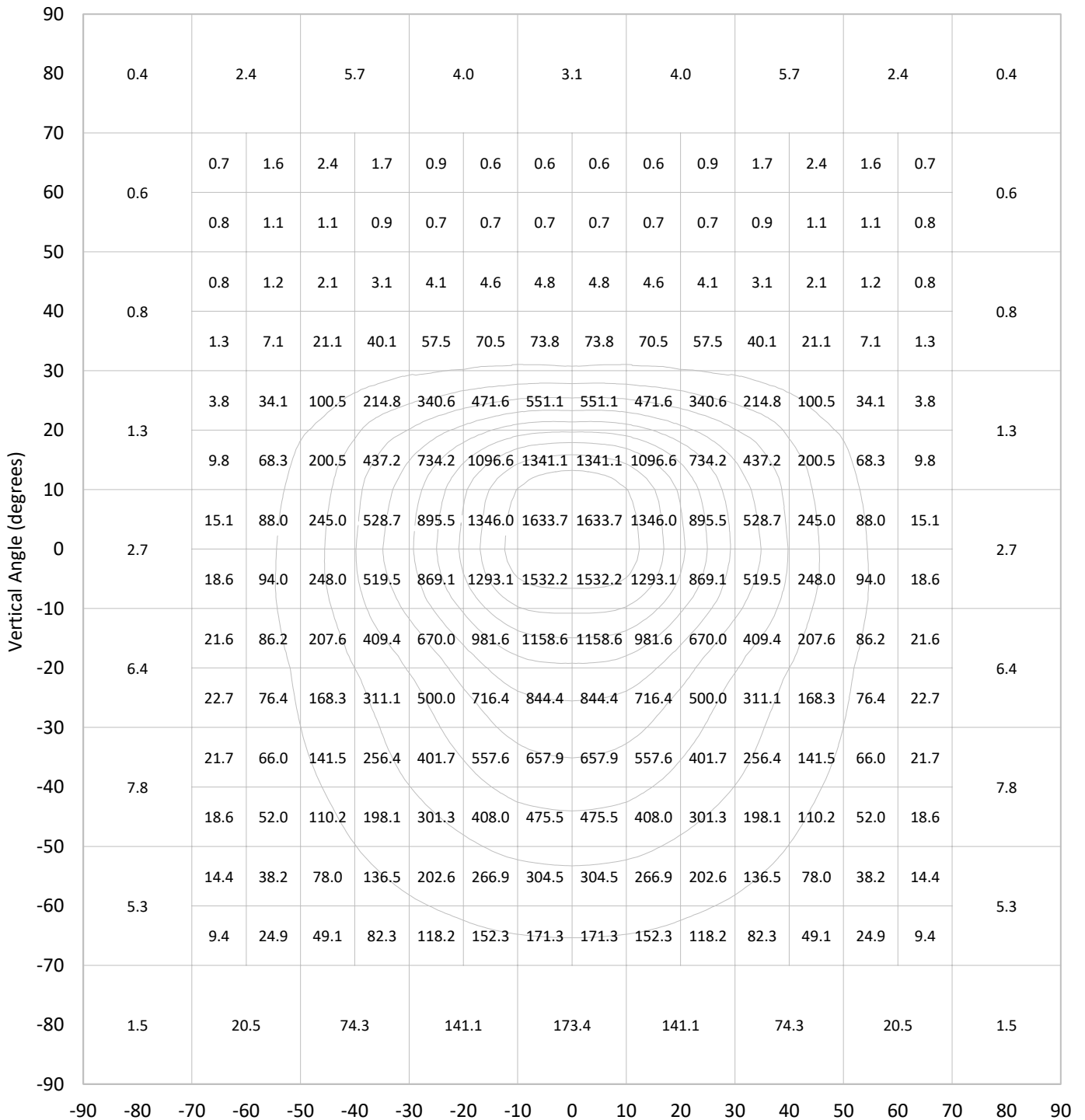
Iso-Candela Plot





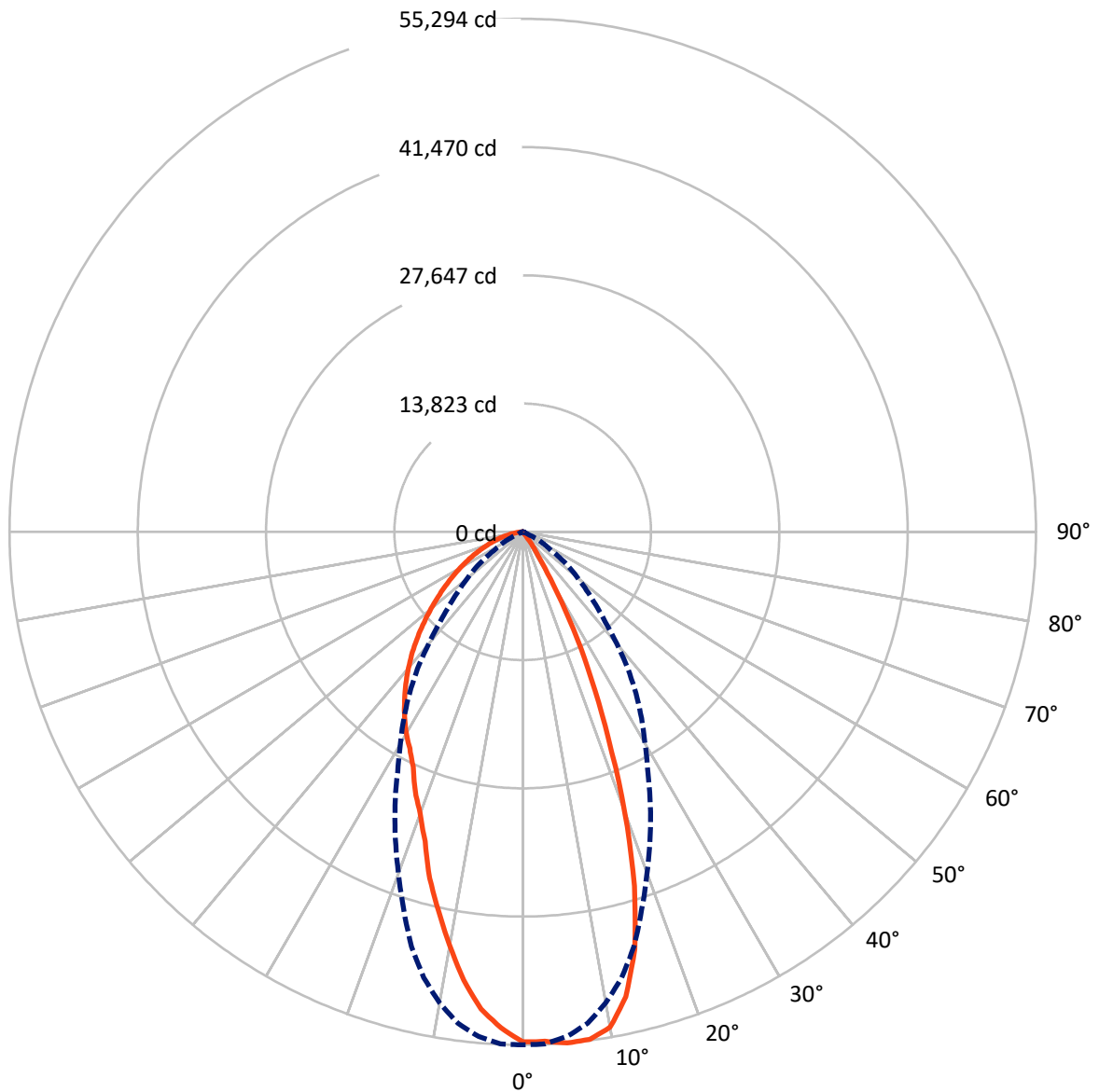
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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

Lumen Table



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
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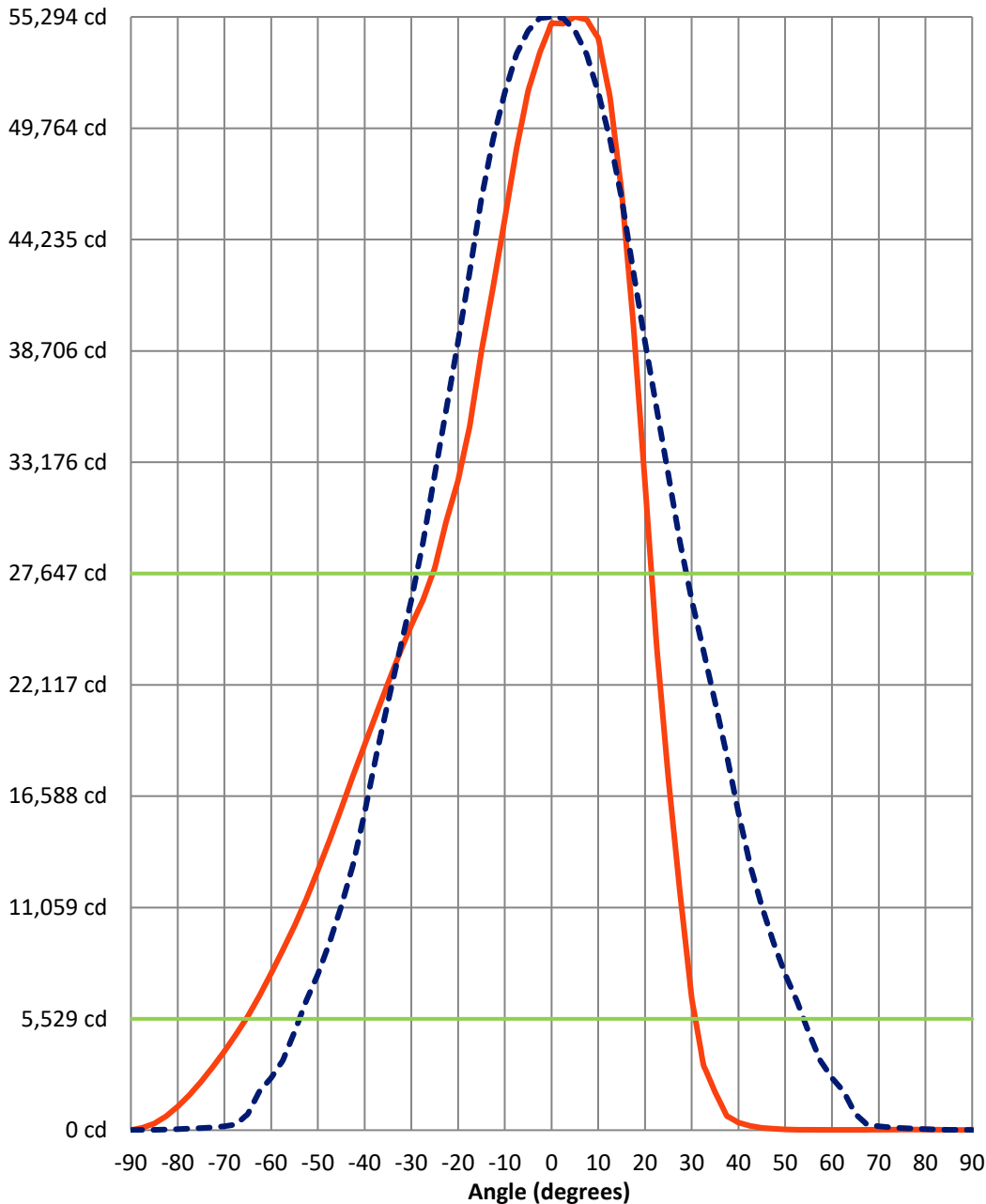
Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 26058.7
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 50225.1
 Efficiency: 92.7%

Spill:
 Lumens: 3953.4
 Efficiency: 7.3%

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



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.6	8.6	9.5	10.0	10.5	10.9	11.4	11.9	12.4	12.8	13.3
87.5°	7.6	8.8	10.2	10.3	10.5	10.9	11.5	11.4	11.2	10.9	10.5
85°	7.6	9.1	10.8	11.5	12.5	13.8	15.4	15.7	15.7	15.6	15.4
82.5°	7.6	9.4	11.5	12.7	14.4	16.6	19.2	20.0	20.3	21.4	23.6
80°	7.6	9.7	12.1	13.9	16.3	19.4	22.7	23.1	25.0	28.5	33.6
77.5°	7.6	10.0	12.7	15.1	18.2	21.3	23.5	25.6	29.4	35.3	41.3
75°	7.6	10.2	13.3	16.3	19.7	21.7	24.3	27.8	33.3	37.9	42.5
72.5°	7.6	10.5	13.9	17.4	19.8	22.0	25.0	29.4	34.2	38.9	43.6
70°	7.6	10.7	14.5	18.2	19.8	22.3	25.6	30.2	35.0	39.9	45.9
67.5°	7.6	11.0	15.1	18.1	19.8	22.4	26.4	30.8	35.8	42.1	48.4
65°	7.6	11.2	15.6	17.9	19.7	22.9	27.2	31.4	37.7	44.3	51.1
62.5°	7.6	11.5	16.1	17.7	19.5	23.7	27.9	32.7	39.5	46.4	54.5
60°	7.6	11.7	16.6	17.4	19.4	24.4	28.7	34.2	41.2	49.0	57.5
57.5°	7.6	11.9	16.4	17.2	20.0	25.2	30.2	35.7	43.0	51.2	59.0
55°	7.6	12.1	16.3	16.9	20.6	25.9	31.7	37.4	44.6	53.0	59.9
52.5°	7.6	12.3	16.2	16.5	21.3	26.7	33.1	39.3	46.0	54.0	60.9
50°	7.6	12.5	16.1	16.2	21.9	27.9	34.6	41.3	47.2	55.0	61.2
47.5°	7.6	12.6	16.0	16.0	22.5	29.1	36.1	43.5	48.2	56.0	62.2
45°	7.6	12.8	15.9	16.4	23.1	30.2	38.2	46.0	50.9	58.0	64.2
42.5°	7.6	12.9	15.8	16.9	23.7	31.3	40.4	48.7	54.1	60.7	67.4
40°	7.6	13.0	15.8	17.6	24.3	32.3	42.7	51.8	58.1	64.2	71.7
37.5°	7.6	13.2	15.8	18.4	25.1	33.3	45.1	55.1	63.2	70.4	76.9
35°	7.6	13.3	15.8	19.3	25.8	34.9	47.5	58.6	68.6	78.0	84.4
32.5°	7.6	13.3	15.8	20.3	26.5	36.7	50.2	62.4	74.3	86.5	98.4
30°	7.6	13.4	15.9	21.3	27.1	38.6	53.1	66.5	80.2	95.8	114.4
27.5°	7.6	13.5	16.0	22.2	29.0	40.4	56.1	71.2	86.9	105.9	132.4
25°	7.6	13.5	16.0	23.3	31.2	42.2	59.1	76.0	95.0	119.4	154.2
22.5°	7.6	13.6	16.1	24.3	33.5	44.8	62.1	80.8	103.4	135.1	226.3
20°	7.6	13.6	16.2	25.3	35.9	49.6	65.2	85.6	112.0	151.5	307.0
17.5°	7.6	13.6	16.3	26.3	38.4	54.5	70.7	90.3	120.8	168.5	394.5
15°	7.6	13.6	16.4	27.2	40.9	59.5	77.8	97.5	129.6	185.8	486.5
12.5°	7.6	13.6	16.6	28.2	43.4	64.4	84.9	107.8	143.1	203.0	580.7
10°	7.6	13.5	16.7	29.1	45.9	69.3	91.8	118.2	160.6	229.6	669.5
7.5°	7.6	13.5	16.8	30.0	48.3	74.1	98.6	128.4	178.1	257.1	741.7
5°	7.6	13.4	17.0	31.5	52.9	83.1	111.5	148.1	211.7	309.4	857.8
2.5°	7.6	13.3	17.1	32.2	55.0	87.2	117.5	157.3	227.4	333.5	900.1
0°	7.6	13.5	18.4	36.1	63.9	104.2	147.0	206.8	304.6	446.1	1017.6
-2.5°	7.6	13.8	19.7	40.0	72.6	120.8	175.7	255.0	379.5	555.1	1123.6
-5°	7.6	14.0	21.0	43.6	80.8	136.6	203.3	301.3	451.1	659.0	1218.0
-7.5°	7.6	14.2	22.2	47.0	88.6	151.4	229.5	344.8	518.1	756.1	1301.0
-10°	7.6	14.4	23.3	50.2	95.8	165.2	253.9	384.9	579.5	844.9	1378.4
-12.5°	7.6	14.5	24.4	53.1	102.3	177.7	276.1	421.1	637.8	925.1	1444.6
-15°	7.6	14.7	25.3	55.7	108.1	188.7	295.8	459.7	693.9	996.1	1495.8
-17.5°	7.6	14.8	26.2	57.9	113.1	198.0	317.4	499.2	743.5	1056.9	1531.5
-20°	7.6	14.8	26.2	57.9	113.1	198.0	317.4	499.2	743.5	1056.9	1531.5



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.6	14.9	27.0	59.7	117.1	205.6	343.2	533.6	785.8	1106.7	1551.2
-25°	7.6	15.0	27.7	61.1	120.2	217.2	365.2	562.4	820.5	1145.0	1554.6
-27.5°	7.6	15.0	28.3	62.1	122.2	228.9	383.1	585.4	847.2	1175.1	1591.5
-30°	7.6	15.0	28.7	62.6	123.6	238.0	396.6	602.3	870.0	1202.0	1614.7
-32.5°	7.6	15.0	29.0	62.6	128.3	244.4	405.6	616.7	887.1	1218.0	1621.8
-35°	7.6	15.0	29.2	62.1	131.3	247.9	412.1	625.8	895.5	1222.8	1612.3
-37.5°	7.6	15.0	29.2	61.1	132.7	249.6	415.2	628.2	895.2	1216.3	1564.6
-40°	7.6	14.9	29.1	59.6	132.4	250.5	413.9	623.9	885.9	1205.0	1514.3
-42.5°	7.6	14.8	28.8	58.2	131.7	248.7	408.4	612.8	872.0	1164.0	1454.6
-45°	7.6	14.7	28.4	57.5	130.9	244.2	398.5	597.6	851.0	1112.3	1387.1
-47.5°	7.6	14.5	27.9	56.0	128.6	236.9	384.3	580.0	820.7	1053.5	1320.1
-50°	7.6	14.3	27.2	55.5	125.0	226.9	370.2	556.6	769.9	994.6	1244.5
-52.5°	7.6	14.1	26.4	54.9	120.0	214.3	353.0	527.5	720.5	929.0	1161.6
-55°	7.6	13.9	25.4	53.7	113.6	203.7	332.1	493.7	668.7	857.1	1078.2
-57.5°	7.6	13.6	24.3	51.9	105.9	191.9	307.6	461.1	611.9	787.1	987.6
-60°	7.6	13.3	23.1	49.6	97.2	178.1	280.6	420.0	552.5	713.7	893.6
-62.5°	7.6	13.0	22.2	46.6	91.1	162.4	258.1	374.4	497.1	634.8	800.6
-65°	7.6	12.7	21.3	43.2	84.1	145.0	233.1	329.5	438.3	561.8	701.4
-67.5°	7.6	12.3	20.4	39.3	76.2	128.9	205.8	290.7	376.3	487.7	609.1
-70°	7.6	12.0	19.3	34.9	67.4	114.3	176.3	250.0	325.9	410.0	517.5
-72.5°	7.6	11.6	18.2	32.0	57.9	98.5	151.6	207.7	273.8	346.8	426.5
-75°	7.6	11.2	17.1	29.2	47.8	81.7	126.5	170.8	219.8	281.7	349.3
-77.5°	7.6	10.8	15.9	26.3	41.3	64.0	100.0	135.2	174.2	218.0	269.9
-80°	7.6	10.3	14.7	23.2	35.5	51.4	72.5	98.7	128.4	162.0	199.3
-82.5°	7.6	9.9	13.4	20.0	29.4	41.6	56.4	67.9	81.7	104.8	130.8
-85°	7.6	9.5	12.1	16.7	23.2	31.5	41.6	49.4	57.6	66.3	75.6
-87.5°	7.6	9.0	10.8	13.4	16.8	21.3	26.6	30.7	35.0	39.6	44.5
-90°	7.6	8.6	9.5	9.0	8.6	8.1	7.6	7.1	6.7	6.2	5.7



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	13.3	13.3	13.3	13.3	13.8	14.3	14.7	15.2	16.2	17.1	18.1
87.5°	11.2	11.9	12.6	13.3	12.4	11.2	9.9	8.4	8.8	9.3	9.8
85°	16.6	18.0	19.7	20.9	20.0	19.2	18.6	18.2	19.2	20.0	20.6
82.5°	25.9	27.5	28.4	28.6	29.1	30.0	31.7	35.0	37.2	38.7	39.5
80°	36.1	37.2	38.0	40.4	45.0	50.3	56.2	62.7	64.8	65.0	64.3
77.5°	42.4	44.6	49.1	55.7	63.1	70.6	78.8	87.8	90.4	89.6	88.0
75°	46.0	51.4	59.2	68.8	78.6	88.7	99.5	109.6	112.5	109.3	105.1
72.5°	49.5	57.8	68.2	80.6	91.4	101.8	113.4	126.1	130.5	124.0	116.4
70°	53.1	63.5	75.3	87.6	99.9	111.7	123.0	135.2	142.4	132.3	116.9
67.5°	56.1	68.1	80.7	93.3	104.5	116.1	128.8	134.0	137.3	121.0	103.6
65°	59.6	72.4	83.8	95.1	107.0	111.8	115.9	120.4	119.7	101.1	82.6
62.5°	63.1	73.6	84.6	93.4	96.3	99.2	99.2	96.4	91.8	79.0	63.1
60°	64.4	73.5	81.0	84.0	84.8	82.0	78.4	74.9	69.3	58.6	47.7
57.5°	65.2	70.0	73.5	74.4	71.2	65.8	63.3	57.7	52.9	46.7	37.8
55°	64.8	64.2	66.2	64.5	60.7	56.3	51.8	48.1	42.3	40.4	36.4
52.5°	63.1	60.2	59.3	57.4	54.8	50.3	45.9	42.9	41.5	39.2	35.9
50°	62.5	58.8	54.3	54.2	52.1	48.8	44.1	43.5	43.6	41.5	37.7
47.5°	63.3	58.9	53.2	53.3	53.5	54.7	50.8	49.0	49.7	55.2	49.3
45°	65.4	63.1	57.1	56.9	62.2	69.3	75.6	58.1	75.7	84.5	91.4
42.5°	68.9	70.0	73.1	62.2	82.3	107.6	119.7	125.9	119.5	147.1	175.7
40°	76.5	79.2	100.3	108.6	117.2	169.6	242.3	259.3	197.0	274.0	321.5
37.5°	85.9	112.6	149.5	193.9	189.9	299.3	413.1	500.4	491.8	465.1	666.0
35°	96.6	153.9	253.1	352.3	395.7	499.4	709.4	861.5	952.0	1006.6	1172.0
32.5°	126.4	202.8	382.7	593.3	774.7	877.5	1075.8	1409.1	1724.5	1912.8	1911.0
30°	178.7	323.1	565.7	889.3	1241.8	1530.9	1694.9	2123.2	2724.3	3151.9	3436.7
27.5°	255.9	469.2	847.9	1316.7	1810.6	2301.5	2628.6	3185.2	3994.1	4645.6	5254.2
25°	350.3	701.4	1165.8	1825.0	2551.2	3174.8	3645.4	4419.1	5444.0	6465.9	7484.0
22.5°	500.6	971.1	1518.6	2380.8	3368.7	4077.4	4768.6	5711.6	6897.0	8331.6	9884.1
20°	710.0	1284.8	1895.2	2816.9	4186.1	4996.1	5844.9	6970.3	8352.8	10096.5	12169.2
17.5°	936.2	1581.2	2264.7	3292.0	4628.0	5750.5	6890.1	8172.7	9722.0	11744.8	13977.5
15°	1174.2	1859.8	2594.7	3716.3	5041.6	6254.4	7602.8	9270.9	11098.0	13285.5	15621.1
12.5°	1418.3	2120.7	2887.1	4090.0	5436.5	6711.0	8149.0	9883.8	12009.4	14575.3	17027.2
10°	1662.3	2363.7	3144.1	4413.8	5807.0	7119.1	8618.0	10393.1	12555.6	15126.4	17776.5
7.5°	1811.9	2524.1	3354.2	4688.8	6146.7	7478.2	9011.7	10802.1	12934.0	15520.4	18251.6
5°	1925.0	2596.2	3463.4	4876.1	6415.3	7744.1	9318.9	11115.6	13161.7	15760.5	18612.5
2.5°	2013.0	2649.4	3550.6	5015.4	6618.3	7888.6	9501.9	11316.2	13399.1	16058.9	18976.8
0°	2075.1	2685.3	3613.9	5110.9	6771.0	7981.9	9621.2	11436.6	13564.7	16318.2	19301.0
-2.5°	2135.4	2796.3	3742.6	5232.8	6793.0	7995.8	9666.6	11441.5	13564.6	16267.9	19166.6
-5°	2173.3	2888.7	3844.2	5309.5	6770.5	7967.2	9641.5	11372.8	13416.9	15973.0	18668.6
-7.5°	2193.0	2959.5	3917.6	5321.1	6653.5	7799.1	9340.1	10967.7	12928.9	15324.2	17809.6
-10°	2203.4	3002.0	3909.8	5160.9	6410.7	7528.9	8937.7	10497.0	12344.5	14571.8	16871.5
-12.5°	2232.4	3025.1	3874.4	4986.1	6146.9	7223.5	8491.5	9968.1	11666.6	13730.5	15840.4
-15°	2248.1	3036.8	3825.2	4805.6	5869.7	6885.2	8008.4	9385.9	10932.2	12778.4	14650.4
-17.5°	2252.5	3038.9	3765.2	4627.9	5585.6	6516.4	7533.1	8887.1	10295.0	11889.3	13485.8
-20°	2247.6	3033.2	3697.2	4460.6	5306.4	6248.4	7274.9	8456.1	9716.4	11064.5	12394.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2235.1	3021.4	3639.9	4341.9	5172.4	6072.8	7017.1	8039.2	9123.7	10294.3	11643.2
-25°	2228.9	2978.0	3601.6	4257.9	5042.7	5888.2	6746.1	7654.1	8599.6	9825.6	11112.1
-27.5°	2219.1	2932.1	3526.3	4141.4	4892.6	5701.7	6506.3	7335.1	8305.8	9407.2	10601.1
-30°	2189.9	2821.3	3424.0	4004.9	4733.7	5513.3	6281.6	7069.5	7988.0	9026.4	10134.0
-32.5°	2107.5	2695.6	3288.1	3871.6	4542.5	5306.8	6049.7	6813.6	7665.7	8596.2	9661.7
-35°	2015.3	2565.8	3135.7	3706.2	4319.1	5056.3	5779.1	6517.5	7308.4	8181.4	9174.8
-37.5°	1948.2	2426.4	2972.4	3520.0	4108.2	4763.1	5472.0	6182.7	6931.5	7763.3	8702.9
-40°	1868.2	2277.9	2806.8	3330.9	3866.3	4470.1	5132.3	5814.5	6517.4	7347.0	8208.0
-42.5°	1778.8	2174.5	2635.1	3130.3	3635.3	4184.1	4775.0	5424.1	6129.4	6901.1	7709.6
-45°	1701.7	2058.3	2463.3	2926.7	3395.9	3893.0	4441.1	5021.4	5718.1	6436.1	7186.9
-47.5°	1613.9	1936.9	2317.7	2711.5	3153.5	3611.9	4096.6	4661.8	5280.7	5953.1	6641.8
-50°	1519.0	1826.8	2151.6	2517.8	2909.5	3329.2	3771.7	4287.4	4852.3	5453.0	6086.8
-52.5°	1423.5	1705.4	2004.4	2323.2	2678.9	3056.0	3466.0	3925.2	4425.2	4951.6	5510.8
-55°	1318.9	1582.2	1854.3	2143.4	2453.6	2795.8	3162.3	3572.9	4002.7	4479.9	4950.3
-57.5°	1211.4	1449.5	1700.5	1968.2	2247.0	2537.9	2870.1	3217.9	3606.3	4014.2	4429.2
-60°	1099.2	1312.5	1539.9	1786.0	2045.1	2307.2	2576.3	2884.4	3214.1	3553.0	3924.0
-62.5°	981.5	1172.9	1376.3	1594.5	1831.6	2068.8	2310.1	2565.0	2832.1	3136.5	3446.0
-65°	864.7	1029.7	1210.7	1404.9	1607.9	1821.0	2037.3	2255.7	2489.3	2740.2	3000.8
-67.5°	741.7	890.7	1046.4	1211.2	1391.6	1572.4	1761.2	1958.6	2157.2	2360.4	2574.4
-70°	630.9	749.1	884.8	1028.7	1174.3	1322.4	1485.6	1655.0	1828.2	2001.0	2178.9
-72.5°	519.3	620.9	729.3	844.2	966.5	1088.5	1215.9	1348.1	1488.6	1634.2	1781.9
-75°	417.8	489.9	578.7	674.6	767.9	859.7	955.3	1062.7	1174.0	1286.3	1398.2
-77.5°	324.1	381.5	443.3	509.3	574.3	648.0	723.6	800.6	881.2	963.9	1047.7
-80°	234.6	270.9	316.5	365.8	412.9	460.7	509.7	559.9	612.5	670.4	733.0
-82.5°	155.5	181.3	208.4	236.8	263.0	289.1	317.1	351.2	385.7	421.1	457.3
-85°	83.2	90.9	106.9	123.7	140.5	157.2	174.0	190.7	207.8	224.5	240.7
-87.5°	48.3	52.1	56.0	60.0	64.2	68.4	72.6	76.8	82.4	88.1	93.9
-90°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.0	19.5	19.9	20.4	20.8	21.3	21.8	22.2	22.7	23.2	23.7
87.5°	10.4	9.6	8.9	8.1	7.3	9.5	11.8	14.2	16.6	15.4	14.1
85°	21.0	21.2	21.3	21.4	21.4	23.9	26.4	28.8	31.1	28.8	26.2
82.5°	39.7	39.1	37.7	35.7	33.0	32.4	31.6	30.4	28.9	27.6	26.5
80°	62.9	59.8	55.6	50.7	45.2	42.4	39.8	36.8	33.6	32.7	31.9
77.5°	84.6	78.7	71.7	64.2	56.2	51.1	46.5	41.6	36.4	34.9	34.0
75°	99.9	92.3	82.4	71.7	60.5	52.7	46.5	40.3	34.1	32.6	32.4
72.5°	107.8	97.5	84.8	69.8	55.6	46.2	40.3	35.1	30.4	28.7	28.1
70°	101.3	85.7	71.1	57.3	44.6	36.1	32.0	28.4	25.2	24.3	24.8
67.5°	85.6	69.8	56.5	44.7	34.5	27.6	25.2	23.3	21.9	21.4	21.3
65°	66.9	53.6	42.7	33.7	26.5	22.3	21.4	20.7	19.9	19.3	18.7
62.5°	49.3	39.2	32.4	27.2	23.3	20.8	20.2	19.4	18.4	17.5	16.7
60°	38.4	30.5	27.0	24.8	22.8	21.1	20.5	20.0	19.7	19.4	18.9
57.5°	33.4	29.4	26.2	24.9	23.8	23.0	22.6	22.2	21.6	20.7	20.1
55°	32.6	29.5	26.7	26.0	25.5	24.9	24.3	23.6	22.9	22.0	21.7
52.5°	32.7	31.3	29.2	28.2	28.6	27.9	26.3	27.1	27.3	26.5	26.1
50°	36.9	37.2	37.7	34.6	37.8	39.2	37.3	38.8	41.2	41.5	41.4
47.5°	52.3	55.8	60.3	56.8	61.0	67.3	66.8	67.2	72.9	73.6	73.4
45°	83.5	98.5	105.6	109.8	108.2	122.9	125.8	121.0	128.7	130.2	128.0
42.5°	167.1	175.4	194.3	209.2	200.7	215.8	220.3	206.6	220.0	226.0	219.5
40°	374.2	297.5	353.3	391.8	378.3	348.9	399.9	381.6	379.9	401.1	384.5
37.5°	738.8	655.8	712.9	822.7	818.7	680.4	834.7	824.7	693.2	849.0	835.5
35°	1324.9	1478.4	1409.9	1615.3	1674.9	1705.8	1791.4	1879.8	1783.0	1910.6	1907.2
32.5°	2372.3	2690.7	2831.5	2856.5	3120.2	3335.0	3244.0	3588.6	3567.7	3653.8	3741.9
30°	3745.2	4455.0	4814.2	4823.1	5260.5	5645.5	5767.6	6200.2	6456.0	6413.5	6841.9
27.5°	5975.5	6672.8	7264.4	7769.1	8110.0	8717.0	9562.0	9988.3	10616.8	10863.3	11455.5
25°	8495.6	9361.9	10295.8	11174.2	11895.6	12982.9	14034.5	14697.6	15596.9	16301.5	17017.7
22.5°	11225.6	12374.8	13573.0	14887.1	16228.7	17555.3	18832.6	20057.7	21256.6	22580.9	23390.4
20°	14016.6	15315.6	16774.1	18555.0	20416.4	22016.1	23760.7	25681.6	27518.1	29227.4	30518.4
17.5°	16137.7	18147.7	19727.8	21654.4	23965.9	26219.5	28443.6	30976.8	33313.2	35492.5	37436.1
15°	17757.4	19864.5	22154.6	24480.1	26915.2	29598.4	32657.8	35429.8	38315.8	40879.0	43279.3
12.5°	19169.1	21308.3	23705.1	26417.2	29488.6	32369.5	35575.9	39042.4	42104.4	45115.4	47367.6
10°	20211.1	22587.4	25017.2	27744.1	30876.2	34239.7	37714.6	41218.6	44652.0	47558.6	49978.3
7.5°	20785.9	23309.6	25851.8	28699.5	31919.6	35228.0	38699.2	42357.7	45813.6	48807.0	51029.1
5°	21253.7	23819.5	26332.3	29191.3	32546.5	35832.8	39158.2	42649.9	46268.5	49220.9	51532.9
2.5°	21662.1	24165.5	26616.6	29400.2	32857.9	36158.9	39577.9	43197.6	46696.8	49544.9	51795.4
0°	22016.7	24379.8	26777.0	29536.2	33151.9	36492.9	39856.6	43398.5	46963.0	49737.4	52015.2
-2.5°	21760.2	24077.3	26439.4	29259.7	32708.0	35994.4	39377.1	42963.8	46340.2	49150.3	51358.7
-5°	21091.6	23323.5	25669.1	28482.5	31774.1	34993.2	38330.8	41785.6	44959.4	47768.9	49800.3
-7.5°	20114.0	22298.9	24635.4	27404.7	30467.7	33389.4	36372.3	39574.7	42733.8	45214.3	47149.2
-10°	19027.3	21106.9	23257.3	25693.0	28405.1	31134.0	33874.8	36851.9	39635.4	41964.5	43827.1
-12.5°	17737.1	19584.4	21564.5	23688.9	26178.8	28777.8	31391.5	33999.2	36566.4	38661.6	40348.9
-15°	16343.6	17977.2	19785.6	21840.5	24059.0	26352.5	28710.1	31200.3	33512.4	35464.1	36951.7
-17.5°	14969.0	16431.8	18269.8	20138.1	21930.9	24034.1	26378.9	28438.1	30548.0	32300.6	33614.8
-20°	13803.6	15377.4	16975.6	18571.9	20284.5	22329.2	24317.4	26258.8	28133.7	29729.5	31036.2



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13044.0	14426.7	15790.5	17300.4	19041.4	20845.7	22645.2	24410.2	26107.2	27623.0	28865.8
-25°	12353.2	13523.3	14873.8	16406.8	17876.9	19459.7	21158.6	22633.9	24243.6	25616.3	26679.7
-27.5°	11749.3	12907.2	14232.5	15611.4	16941.1	18367.6	19915.1	21323.2	22771.7	24091.7	25019.5
-30°	11223.5	12423.0	13669.3	14930.7	16182.9	17502.8	18847.8	20208.8	21537.7	22734.6	23626.4
-32.5°	10775.4	11900.7	13069.5	14243.3	15385.1	16587.3	17835.0	19086.2	20317.4	21364.7	22237.8
-35°	10265.9	11343.2	12429.3	13483.4	14540.9	15616.3	16774.2	17945.6	19047.2	20003.4	20855.7
-37.5°	9697.4	10735.4	11726.5	12686.2	13666.5	14660.8	15733.4	16809.5	17821.4	18686.8	19499.5
-40°	9131.5	10077.3	10975.1	11870.8	12769.5	13700.7	14670.8	15634.3	16522.5	17341.1	18098.4
-42.5°	8543.6	9371.5	10188.6	11022.4	11851.5	12691.3	13557.9	14434.1	15225.6	15972.2	16643.5
-45°	7950.5	8660.9	9382.8	10146.6	10903.6	11657.5	12407.8	13147.5	13888.5	14584.2	15151.2
-47.5°	7319.7	7960.8	8616.1	9272.8	9951.2	10639.4	11295.3	11935.6	12590.1	13211.8	13680.3
-50°	6683.1	7276.7	7869.1	8447.6	9047.3	9652.6	10250.2	10813.8	11362.1	11890.9	12257.1
-52.5°	6041.9	6590.9	7133.8	7657.0	8177.3	8693.2	9199.6	9699.5	10180.0	10633.2	10923.5
-55°	5433.1	5922.7	6399.9	6857.0	7316.2	7769.3	8215.8	8653.2	9067.9	9457.6	9681.5
-57.5°	4860.5	5286.9	5704.8	6098.3	6482.6	6856.1	7250.7	7648.1	8021.5	8356.4	8536.9
-60°	4302.5	4686.6	5045.2	5374.2	5703.8	6031.7	6364.2	6692.4	7012.0	7290.1	7445.5
-62.5°	3753.7	4081.9	4387.2	4670.2	4942.5	5213.3	5501.7	5778.5	6041.9	6256.5	6388.2
-65°	3272.9	3551.0	3779.6	4004.9	4228.5	4466.7	4706.3	4934.8	5151.1	5319.3	5430.2
-67.5°	2805.5	3034.2	3224.4	3411.4	3598.6	3788.0	3980.9	4167.8	4347.3	4483.2	4579.6
-70°	2361.1	2533.9	2682.9	2835.1	2990.2	3145.0	3300.0	3449.2	3591.7	3695.3	3772.9
-72.5°	1931.2	2064.8	2180.7	2298.9	2415.5	2535.4	2655.4	2770.8	2880.7	2954.9	3009.3
-75°	1509.4	1606.3	1699.3	1789.5	1876.3	1965.5	2053.9	2138.3	2218.2	2274.4	2319.2
-77.5°	1136.4	1205.2	1265.8	1325.3	1383.2	1445.1	1505.7	1562.9	1616.3	1655.4	1688.3
-80°	796.0	840.4	879.2	915.6	949.6	988.0	1025.7	1061.2	1094.4	1117.2	1135.4
-82.5°	494.0	520.1	543.3	564.8	584.3	604.4	623.1	640.0	655.2	673.0	689.5
-85°	256.3	267.0	276.9	286.1	294.5	302.7	310.1	316.7	322.5	325.7	328.0
-87.5°	99.6	102.1	104.4	106.5	108.4	111.0	113.5	115.8	117.9	119.9	121.7
-90°	5.7	5.2	4.8	4.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	24.1	24.6	24.6	24.6	24.6	24.6	24.1	23.7	23.2	22.7	22.2
87.5°	12.8	11.4	10.4	9.5	10.4	11.4	12.8	14.1	15.4	16.6	14.2
85°	23.5	20.7	18.9	17.1	18.9	20.7	23.5	26.2	28.8	31.1	28.8
82.5°	25.5	24.6	24.6	24.6	24.6	24.6	25.5	26.5	27.6	28.9	30.4
80°	31.1	30.2	31.2	32.2	31.2	30.2	31.1	31.9	32.7	33.6	36.8
77.5°	33.1	32.2	32.2	32.2	32.2	32.2	33.1	34.0	34.9	36.4	41.6
75°	32.3	32.2	31.3	30.3	31.3	32.2	32.3	32.4	32.6	34.1	40.3
72.5°	27.4	26.7	26.5	26.5	26.5	26.7	27.4	28.1	28.7	30.4	35.1
70°	25.5	26.4	25.6	24.6	25.6	26.4	25.5	24.8	24.3	25.2	28.4
67.5°	21.2	21.0	20.8	20.8	20.8	21.0	21.2	21.3	21.4	21.9	23.3
65°	18.0	17.3	17.1	17.1	17.1	17.3	18.0	18.7	19.3	19.9	20.7
62.5°	16.0	15.4	15.2	15.2	15.2	15.4	16.0	16.7	17.5	18.4	19.4
60°	18.2	17.3	16.3	15.2	16.3	17.3	18.2	18.9	19.4	19.7	20.0
57.5°	19.6	19.1	19.0	19.0	19.0	19.1	19.6	20.1	20.7	21.6	22.2
55°	21.3	20.9	20.8	20.8	20.8	20.9	21.3	21.7	22.0	22.9	23.6
52.5°	25.6	24.8	23.8	22.7	23.8	24.8	25.6	26.1	26.5	27.3	27.1
50°	40.5	38.6	37.6	37.9	37.6	38.6	40.5	41.4	41.5	41.2	38.8
47.5°	74.9	74.8	74.4	73.9	74.4	74.8	74.9	73.4	73.6	72.9	67.2
45°	127.3	122.2	117.3	115.6	117.3	122.2	127.3	128.0	130.2	128.7	121.0
42.5°	223.8	222.6	218.7	214.1	218.7	222.6	223.8	219.5	226.0	220.0	206.6
40°	388.9	383.6	374.5	377.1	374.5	383.6	388.9	384.5	401.1	379.9	381.6
37.5°	809.8	771.0	712.1	712.5	712.1	771.0	809.8	835.5	849.0	693.2	824.7
35°	1895.7	1927.5	1889.8	1889.4	1889.8	1927.5	1895.7	1907.2	1910.6	1783.0	1879.8
32.5°	3627.7	3575.0	3361.3	3250.0	3361.3	3575.0	3627.7	3741.9	3653.8	3567.7	3588.6
30°	6834.3	6868.2	6547.9	6555.0	6547.9	6868.2	6834.3	6841.9	6413.5	6456.0	6200.2
27.5°	11694.3	11954.6	11886.1	11772.0	11886.1	11954.6	11694.3	11455.5	10863.3	10616.8	9988.3
25°	17487.3	17683.3	17552.1	17472.3	17552.1	17683.3	17487.3	17017.7	16301.5	15596.9	14697.6
22.5°	24176.5	24449.4	24380.9	24034.9	24380.9	24449.4	24176.5	23390.4	22580.9	21256.6	20057.7
20°	31581.7	32049.0	32320.5	32145.7	32320.5	32049.0	31581.7	30518.4	29227.4	27518.1	25681.6
17.5°	38816.3	39419.0	39881.2	40036.6	39881.2	39419.0	38816.3	37436.1	35492.5	33313.2	30976.8
15°	44899.9	45761.7	46368.7	46584.0	46368.7	45761.7	44899.9	43279.3	40879.0	38315.8	35429.8
12.5°	49265.6	50387.4	51099.4	51313.2	51099.4	50387.4	49265.6	47367.6	45115.4	42104.4	39042.4
10°	51666.3	53080.4	53890.7	54228.7	53890.7	53080.4	51666.3	49978.3	47558.6	44652.0	41218.6
7.5°	53007.7	54284.9	55050.5	55163.9	55050.5	54284.9	53007.7	51029.1	48807.0	45813.6	42357.7
5°	53442.9	54603.3	55235.3	55293.7	55235.3	54603.3	53442.9	51532.9	49220.9	46268.5	42649.9
2.5°	53633.6	54614.2	55080.4	54961.1	55080.4	54614.2	53633.6	51795.4	49544.9	46696.8	43197.6
0°	53536.0	54412.5	54907.1	54981.0	54907.1	54412.5	53536.0	52015.2	49737.4	46963.0	43398.5
-2.5°	52741.0	53393.7	53744.4	53519.0	53744.4	53393.7	52741.0	51358.7	49150.3	46340.2	42963.8
-5°	50928.4	51398.0	51544.5	51626.8	51544.5	51398.0	50928.4	49800.3	47768.9	44959.4	41785.6
-7.5°	48308.6	48691.8	48836.4	48734.9	48836.4	48691.8	48308.6	47149.2	45214.3	42733.8	39574.7
-10°	44855.4	45206.6	45329.4	45259.4	45329.4	45206.6	44855.4	43827.1	41964.5	39635.4	36851.9
-12.5°	41360.0	41776.2	41871.7	41877.7	41871.7	41776.2	41360.0	40348.9	38661.6	36566.4	33999.2
-15°	37923.9	38399.7	38545.1	38672.2	38545.1	38399.7	37923.9	36951.7	35464.1	33512.4	31200.3
-17.5°	34547.5	35020.1	35142.8	34976.9	35142.8	35020.1	34547.5	33614.8	32300.6	30548.0	28438.1
-20°	31772.1	32017.1	32278.6	32276.4	32278.6	32017.1	31772.1	31036.2	29729.5	28133.7	26258.8



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29479.9	29885.0	30107.6	30265.8	30107.6	29885.0	29479.9	28865.8	27623.0	26107.2	24410.2
-25°	27330.0	27674.0	27812.4	27917.8	27812.4	27674.0	27330.0	26679.7	25616.3	24243.6	22633.9
-27.5°	25674.0	26023.0	26220.4	26337.4	26220.4	26023.0	25674.0	25019.5	24091.7	22771.7	21323.2
-30°	24353.1	24696.1	24931.4	25079.0	24931.4	24696.1	24353.1	23626.4	22734.6	21537.7	20208.8
-32.5°	22930.0	23288.7	23533.9	23686.2	23533.9	23288.7	22930.0	22237.8	21364.7	20317.4	19086.2
-35°	21451.0	21809.8	22074.4	22198.6	22074.4	21809.8	21451.0	20855.7	20003.4	19047.2	17945.6
-37.5°	20014.2	20349.2	20583.0	20675.0	20583.0	20349.2	20014.2	19499.5	18686.8	17821.4	16809.5
-40°	18516.5	18832.5	19049.7	19134.3	19049.7	18832.5	18516.5	18098.4	17341.1	16522.5	15634.3
-42.5°	17006.3	17301.1	17501.7	17586.0	17501.7	17301.1	17006.3	16643.5	15972.2	15225.6	14434.1
-45°	15476.5	15738.7	15908.6	15973.3	15908.6	15738.7	15476.5	15151.2	14584.2	13888.5	13147.5
-47.5°	13970.6	14207.2	14353.2	14400.5	14353.2	14207.2	13970.6	13680.3	13211.8	12590.1	11935.6
-50°	12500.8	12694.5	12828.1	12903.4	12828.1	12694.5	12500.8	12257.1	11890.9	11362.1	10813.8
-52.5°	11141.2	11317.2	11422.0	11463.1	11422.0	11317.2	11141.2	10923.5	10633.2	10180.0	9699.5
-55°	9867.0	10019.3	10108.4	10144.2	10108.4	10019.3	9867.0	9681.5	9457.6	9067.9	8653.2
-57.5°	8690.3	8815.1	8899.0	8946.5	8899.0	8815.1	8690.3	8536.9	8356.4	8021.5	7648.1
-60°	7574.6	7676.9	7747.3	7788.6	7747.3	7676.9	7574.6	7445.5	7290.1	7012.0	6692.4
-62.5°	6497.6	6584.5	6641.6	6674.4	6641.6	6584.5	6497.6	6388.2	6256.5	6041.9	5778.5
-65°	5523.9	5600.1	5636.8	5651.0	5636.8	5600.1	5523.9	5430.2	5319.3	5151.1	4934.8
-67.5°	4662.3	4730.9	4755.8	4760.4	4755.8	4730.9	4662.3	4579.6	4483.2	4347.3	4167.8
-70°	3840.0	3895.8	3914.7	3917.1	3914.7	3895.8	3840.0	3772.9	3695.3	3591.7	3449.2
-72.5°	3054.2	3089.4	3116.6	3134.4	3116.6	3089.4	3054.2	3009.3	2954.9	2880.7	2770.8
-75°	2356.7	2386.9	2400.0	2404.8	2400.0	2386.9	2356.7	2319.2	2274.4	2218.2	2138.3
-77.5°	1716.3	1739.3	1744.5	1743.4	1744.5	1739.3	1716.3	1688.3	1655.4	1616.3	1562.9
-80°	1149.7	1160.4	1167.4	1171.1	1167.4	1160.4	1149.7	1135.4	1117.2	1094.4	1061.2
-82.5°	704.4	717.4	704.0	687.9	704.0	717.4	704.4	689.5	673.0	655.2	640.0
-85°	329.5	330.0	331.2	331.6	331.2	330.0	329.5	328.0	325.7	322.5	316.7
-87.5°	123.3	124.7	124.1	123.2	124.1	124.7	123.3	121.7	119.9	117.9	115.8
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.8	21.3	20.8	20.4	19.9	19.5	19.0	18.1	17.1	16.2	15.2
87.5°	11.8	9.5	7.3	8.1	8.9	9.6	10.4	9.8	9.3	8.8	8.4
85°	26.4	23.9	21.4	21.4	21.3	21.2	21.0	20.6	20.0	19.2	18.2
82.5°	31.6	32.4	33.0	35.7	37.7	39.1	39.7	39.5	38.7	37.2	35.0
80°	39.8	42.4	45.2	50.7	55.6	59.8	62.9	64.3	65.0	64.8	62.7
77.5°	46.5	51.1	56.2	64.2	71.7	78.7	84.6	88.0	89.6	90.4	87.8
75°	46.5	52.7	60.5	71.7	82.4	92.3	99.9	105.1	109.3	112.5	109.6
72.5°	40.3	46.2	55.6	69.8	84.8	97.5	107.8	116.4	124.0	130.5	126.1
70°	32.0	36.1	44.6	57.3	71.1	85.7	101.3	116.9	132.3	142.4	135.2
67.5°	25.2	27.6	34.5	44.7	56.5	69.8	85.6	103.6	121.0	137.3	134.0
65°	21.4	22.3	26.5	33.7	42.7	53.6	66.9	82.6	101.1	119.7	120.4
62.5°	20.2	20.8	23.3	27.2	32.4	39.2	49.3	63.1	79.0	91.8	96.4
60°	20.5	21.1	22.8	24.8	27.0	30.5	38.4	47.7	58.6	69.3	74.9
57.5°	22.6	23.0	23.8	24.9	26.2	29.4	33.4	37.8	46.7	52.9	57.7
55°	24.3	24.9	25.5	26.0	26.7	29.5	32.6	36.4	40.4	42.3	48.1
52.5°	26.3	27.9	28.6	28.2	29.2	31.3	32.7	35.9	39.2	41.5	42.9
50°	37.3	39.2	37.8	34.6	37.7	37.2	36.9	37.7	41.5	43.6	43.5
47.5°	66.8	67.3	61.0	56.8	60.3	55.8	52.3	49.3	55.2	49.7	49.0
45°	125.8	122.9	108.2	109.8	105.6	98.5	83.5	91.4	84.5	75.7	58.1
42.5°	220.3	215.8	200.7	209.2	194.3	175.4	167.1	175.7	147.1	119.5	125.9
40°	399.9	348.9	378.3	391.8	353.3	297.5	374.2	321.5	274.0	197.0	259.3
37.5°	834.7	680.4	818.7	822.7	712.9	655.8	738.8	666.0	465.1	491.8	500.4
35°	1791.4	1705.8	1674.9	1615.3	1409.9	1478.4	1324.9	1172.0	1006.6	952.0	861.5
32.5°	3244.0	3335.0	3120.2	2856.5	2831.5	2690.7	2372.3	1911.0	1912.8	1724.5	1409.1
30°	5767.6	5645.5	5260.5	4823.1	4814.2	4455.0	3745.2	3436.7	3151.9	2724.3	2123.2
27.5°	9562.0	8717.0	8110.0	7769.1	7264.4	6672.8	5975.5	5254.2	4645.6	3994.1	3185.2
25°	14034.5	12982.9	11895.6	11174.2	10295.8	9361.9	8495.6	7484.0	6465.9	5444.0	4419.1
22.5°	18832.6	17555.3	16228.7	14887.1	13573.0	12374.8	11225.6	9884.1	8331.6	6897.0	5711.6
20°	23760.7	22016.1	20416.4	18555.0	16774.1	15315.6	14016.6	12169.2	10096.5	8352.8	6970.3
17.5°	28443.6	26219.5	23965.9	21654.4	19727.8	18147.7	16137.7	13977.5	11744.8	9722.0	8172.7
15°	32657.8	29598.4	26915.2	24480.1	22154.6	19864.5	17757.4	15621.1	13285.5	11098.0	9270.9
12.5°	35575.9	32369.5	29488.6	26417.2	23705.1	21308.3	19169.1	17027.2	14575.3	12009.4	9883.8
10°	37714.6	34239.7	30876.2	27744.1	25017.2	22587.4	20211.1	17776.5	15126.4	12555.6	10393.1
7.5°	38699.2	35228.0	31919.6	28699.5	25851.8	23309.6	20785.9	18251.6	15520.4	12934.0	10802.1
5°	39158.2	35832.8	32546.5	29191.3	26332.3	23819.5	21253.7	18612.5	15760.5	13161.7	11115.6
2.5°	39577.9	36158.9	32857.9	29400.2	26616.6	24165.5	21662.1	18976.8	16058.9	13399.1	11316.2
0°	39856.6	36492.9	33151.9	29536.2	26777.0	24379.8	22016.7	19301.0	16318.2	13564.7	11436.6
-2.5°	39377.1	35994.4	32708.0	29259.7	26439.4	24077.3	21760.2	19166.6	16267.9	13564.6	11441.5
-5°	38330.8	34993.2	31774.1	28482.5	25669.1	23323.5	21091.6	18668.6	15973.0	13416.9	11372.8
-7.5°	36372.3	33389.4	30467.7	27404.7	24635.4	22298.9	20114.0	17809.6	15324.2	12928.9	10967.7
-10°	33874.8	31134.0	28405.1	25693.0	23257.3	21106.9	19027.3	16871.5	14571.8	12344.5	10497.0
-12.5°	31391.5	28777.8	26178.8	23688.9	21564.5	19584.4	17737.1	15840.4	13730.5	11666.6	9968.1
-15°	28710.1	26352.5	24059.0	21840.5	19785.6	17977.2	16343.6	14650.4	12778.4	10932.2	9385.9
-17.5°	26378.9	24034.1	21930.9	20138.1	18269.8	16431.8	14969.0	13485.8	11889.3	10295.0	8887.1
-20°	24317.4	22329.2	20284.5	18571.9	16975.6	15377.4	13803.6	12394.6	11064.5	9716.4	8456.1



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	22645.2	20845.7	19041.4	17300.4	15790.5	14426.7	13044.0	11643.2	10294.3	9123.7	8039.2
-25°	21158.6	19459.7	17876.9	16406.8	14873.8	13523.3	12353.2	11112.1	9825.6	8599.6	7654.1
-27.5°	19915.1	18367.6	16941.1	15611.4	14232.5	12907.2	11749.3	10601.1	9407.2	8305.8	7335.1
-30°	18847.8	17502.8	16182.9	14930.7	13669.3	12423.0	11223.5	10134.0	9026.4	7988.0	7069.5
-32.5°	17835.0	16587.3	15385.1	14243.3	13069.5	11900.7	10775.4	9661.7	8596.2	7665.7	6813.6
-35°	16774.2	15616.3	14540.9	13483.4	12429.3	11343.2	10265.9	9174.8	8181.4	7308.4	6517.5
-37.5°	15733.4	14660.8	13666.5	12686.2	11726.5	10735.4	9697.4	8702.9	7763.3	6931.5	6182.7
-40°	14670.8	13700.7	12769.5	11870.8	10975.1	10077.3	9131.5	8208.0	7347.0	6517.4	5814.5
-42.5°	13557.9	12691.3	11851.5	11022.4	10188.6	9371.5	8543.6	7709.6	6901.1	6129.4	5424.1
-45°	12407.8	11657.5	10903.6	10146.6	9382.8	8660.9	7950.5	7186.9	6436.1	5718.1	5021.4
-47.5°	11295.3	10639.4	9951.2	9272.8	8616.1	7960.8	7319.7	6641.8	5953.1	5280.7	4661.8
-50°	10250.2	9652.6	9047.3	8447.6	7869.1	7276.7	6683.1	6086.8	5453.0	4852.3	4287.4
-52.5°	9199.6	8693.2	8177.3	7657.0	7133.8	6590.9	6041.9	5510.8	4951.6	4425.2	3925.2
-55°	8215.8	7769.3	7316.2	6857.0	6399.9	5922.7	5433.1	4950.3	4479.9	4002.7	3572.9
-57.5°	7250.7	6856.1	6482.6	6098.3	5704.8	5286.9	4860.5	4429.2	4014.2	3606.3	3217.9
-60°	6364.2	6031.7	5703.8	5374.2	5045.2	4686.6	4302.5	3924.0	3553.0	3214.1	2884.4
-62.5°	5501.7	5213.3	4942.5	4670.2	4387.2	4081.9	3753.7	3446.0	3136.5	2832.1	2565.0
-65°	4706.3	4466.7	4228.5	4004.9	3779.6	3551.0	3272.9	3000.8	2740.2	2489.3	2255.7
-67.5°	3980.9	3788.0	3598.6	3411.4	3224.4	3034.2	2805.5	2574.4	2360.4	2157.2	1958.6
-70°	3300.0	3145.0	2990.2	2835.1	2682.9	2533.9	2361.1	2178.9	2001.0	1828.2	1655.0
-72.5°	2655.4	2535.4	2415.5	2298.9	2180.7	2064.8	1931.2	1781.9	1634.2	1488.6	1348.1
-75°	2053.9	1965.5	1876.3	1789.5	1699.3	1606.3	1509.4	1398.2	1286.3	1174.0	1062.7
-77.5°	1505.7	1445.1	1383.2	1325.3	1265.8	1205.2	1136.4	1047.7	963.9	881.2	800.6
-80°	1025.7	988.0	949.6	915.6	879.2	840.4	796.0	733.0	670.4	612.5	559.9
-82.5°	623.1	604.4	584.3	564.8	543.3	520.1	494.0	457.3	421.1	385.7	351.2
-85°	310.1	302.7	294.5	286.1	276.9	267.0	256.3	240.7	224.5	207.8	190.7
-87.5°	113.5	111.0	108.4	106.5	104.4	102.1	99.6	93.9	88.1	82.4	76.8
-90°	3.8	3.8	3.8	4.3	4.8	5.2	5.7	5.7	5.7	5.7	5.7



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	14.7	14.3	13.8	13.3	13.3	13.3	13.3	13.3	12.8	12.4	11.9
87.5°	9.9	11.2	12.4	13.3	12.6	11.9	11.2	10.5	10.9	11.2	11.4
85°	18.6	19.2	20.0	20.9	19.7	18.0	16.6	15.4	15.6	15.7	15.7
82.5°	31.7	30.0	29.1	28.6	28.4	27.5	25.9	23.6	21.4	20.3	20.0
80°	56.2	50.3	45.0	40.4	38.0	37.2	36.1	33.6	28.5	25.0	23.1
77.5°	78.8	70.6	63.1	55.7	49.1	44.6	42.4	41.3	35.3	29.4	25.6
75°	99.5	88.7	78.6	68.8	59.2	51.4	46.0	42.5	37.9	33.3	27.8
72.5°	113.4	101.8	91.4	80.6	68.2	57.8	49.5	43.6	38.9	34.2	29.4
70°	123.0	111.7	99.9	87.6	75.3	63.5	53.1	45.9	39.9	35.0	30.2
67.5°	128.8	116.1	104.5	93.3	80.7	68.1	56.1	48.4	42.1	35.8	30.8
65°	115.9	111.8	107.0	95.1	83.8	72.4	59.6	51.1	44.3	37.7	31.4
62.5°	99.2	99.2	96.3	93.4	84.6	73.6	63.1	54.5	46.4	39.5	32.7
60°	78.4	82.0	84.8	84.0	81.0	73.5	64.4	57.5	49.0	41.2	34.2
57.5°	63.3	65.8	71.2	74.4	73.5	70.0	65.2	59.0	51.2	43.0	35.7
55°	51.8	56.3	60.7	64.5	66.2	64.2	64.8	59.9	53.0	44.6	37.4
52.5°	45.9	50.3	54.8	57.4	59.3	60.2	63.1	60.9	54.0	46.0	39.3
50°	44.1	48.8	52.1	54.2	54.3	58.8	62.5	61.2	55.0	47.2	41.3
47.5°	50.8	54.7	53.5	53.3	53.2	58.9	63.3	62.2	56.0	48.2	43.5
45°	75.6	69.3	62.2	56.9	57.1	63.1	65.4	64.2	58.0	50.9	46.0
42.5°	119.7	107.6	82.3	62.2	73.1	70.0	68.9	67.4	60.7	54.1	48.7
40°	242.3	169.6	117.2	108.6	100.3	79.2	76.5	71.7	64.2	58.1	51.8
37.5°	413.1	299.3	189.9	193.9	149.5	112.6	85.9	76.9	70.4	63.2	55.1
35°	709.4	499.4	395.7	352.3	253.1	153.9	96.6	84.4	78.0	68.6	58.6
32.5°	1075.8	877.5	774.7	593.3	382.7	202.8	126.4	98.4	86.5	74.3	62.4
30°	1694.9	1530.9	1241.8	889.3	565.7	323.1	178.7	114.4	95.8	80.2	66.5
27.5°	2628.6	2301.5	1810.6	1316.7	847.9	469.2	255.9	132.4	105.9	86.9	71.2
25°	3645.4	3174.8	2551.2	1825.0	1165.8	701.4	350.3	154.2	119.4	95.0	76.0
22.5°	4768.6	4077.4	3368.7	2380.8	1518.6	971.1	500.6	226.3	135.1	103.4	80.8
20°	5844.9	4996.1	4186.1	2816.9	1895.2	1284.8	710.0	307.0	151.5	112.0	85.6
17.5°	6890.1	5750.5	4628.0	3292.0	2264.7	1581.2	936.2	394.5	168.5	120.8	90.3
15°	7602.8	6254.4	5041.6	3716.3	2594.7	1859.8	1174.2	486.5	185.8	129.6	97.5
12.5°	8149.0	6711.0	5436.5	4090.0	2887.1	2120.7	1418.3	580.7	203.0	143.1	107.8
10°	8618.0	7119.1	5807.0	4413.8	3144.1	2363.7	1662.3	669.5	229.6	160.6	118.2
7.5°	9011.7	7478.2	6146.7	4688.8	3354.2	2524.1	1811.9	741.7	257.1	178.1	128.4
5°	9318.9	7744.1	6415.3	4876.1	3463.4	2596.2	1925.0	804.8	283.9	195.2	138.4
2.5°	9501.9	7888.6	6618.3	5015.4	3550.6	2649.4	2013.0	857.8	309.4	211.7	148.1
0°	9621.2	7981.9	6771.0	5110.9	3613.9	2685.3	2075.1	900.1	333.5	227.4	157.3
-2.5°	9666.6	7995.8	6793.0	5232.8	3742.6	2796.3	2135.4	1017.6	446.1	304.6	206.8
-5°	9641.5	7967.2	6770.5	5309.5	3844.2	2888.7	2173.3	1123.6	555.1	379.5	255.0
-7.5°	9340.1	7799.1	6653.5	5321.1	3917.6	2959.5	2193.0	1218.0	659.0	451.1	301.3
-10°	8937.7	7528.9	6410.7	5160.9	3909.8	3002.0	2203.4	1301.0	756.1	518.1	344.8
-12.5°	8491.5	7223.5	6146.9	4986.1	3874.4	3025.1	2232.4	1378.4	844.9	579.5	384.9
-15°	8008.4	6885.2	5869.7	4805.6	3825.2	3036.8	2248.1	1444.6	925.1	637.8	421.1
-17.5°	7533.1	6516.4	5585.6	4627.9	3765.2	3038.9	2252.5	1495.8	996.1	693.9	459.7
-20°	7274.9	6248.4	5306.4	4460.6	3697.2	3033.2	2247.6	1531.5	1056.9	743.5	499.2



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7017.1	6072.8	5172.4	4341.9	3639.9	3021.4	2235.1	1551.2	1106.7	785.8	533.6
-25°	6746.1	5888.2	5042.7	4257.9	3601.6	2978.0	2228.9	1554.6	1145.0	820.5	562.4
-27.5°	6506.3	5701.7	4892.6	4141.4	3526.3	2932.1	2219.1	1591.5	1175.1	847.2	585.4
-30°	6281.6	5513.3	4733.7	4004.9	3424.0	2821.3	2189.9	1614.7	1202.0	870.0	602.3
-32.5°	6049.7	5306.8	4542.5	3871.6	3288.1	2695.6	2107.5	1621.8	1218.0	887.1	616.7
-35°	5779.1	5056.3	4319.1	3706.2	3135.7	2565.8	2015.3	1612.3	1222.8	895.5	625.8
-37.5°	5472.0	4763.1	4108.2	3520.0	2972.4	2426.4	1948.2	1564.6	1216.3	895.2	628.2
-40°	5132.3	4470.1	3866.3	3330.9	2806.8	2277.9	1868.2	1514.3	1205.0	885.9	623.9
-42.5°	4775.0	4184.1	3635.3	3130.3	2635.1	2174.5	1778.8	1454.6	1164.0	872.0	612.8
-45°	4441.1	3893.0	3395.9	2926.7	2463.3	2058.3	1701.7	1387.1	1112.3	851.0	597.6
-47.5°	4096.6	3611.9	3153.5	2711.5	2317.7	1936.9	1613.9	1320.1	1053.5	820.7	580.0
-50°	3771.7	3329.2	2909.5	2517.8	2151.6	1826.8	1519.0	1244.5	994.6	769.9	556.6
-52.5°	3466.0	3056.0	2678.9	2323.2	2004.4	1705.4	1423.5	1161.6	929.0	720.5	527.5
-55°	3162.3	2795.8	2453.6	2143.4	1854.3	1582.2	1318.9	1078.2	857.1	668.7	493.7
-57.5°	2870.1	2537.9	2247.0	1968.2	1700.5	1449.5	1211.4	987.6	787.1	611.9	461.1
-60°	2576.3	2307.2	2045.1	1786.0	1539.9	1312.5	1099.2	893.6	713.7	552.5	420.0
-62.5°	2310.1	2068.8	1831.6	1594.5	1376.3	1172.9	981.5	800.6	634.8	497.1	374.4
-65°	2037.3	1821.0	1607.9	1404.9	1210.7	1029.7	864.7	701.4	561.8	438.3	329.5
-67.5°	1761.2	1572.4	1391.6	1211.2	1046.4	890.7	741.7	609.1	487.7	376.3	290.7
-70°	1485.6	1322.4	1174.3	1028.7	884.8	749.1	630.9	517.5	410.0	325.9	250.0
-72.5°	1215.9	1088.5	966.5	844.2	729.3	620.9	519.3	426.5	346.8	273.8	207.7
-75°	955.3	859.7	767.9	674.6	578.7	489.9	417.8	349.3	281.7	219.8	170.8
-77.5°	723.6	648.0	574.3	509.3	443.3	381.5	324.1	269.9	218.0	174.2	135.2
-80°	509.7	460.7	412.9	365.8	316.5	270.9	234.6	199.3	162.0	128.4	98.7
-82.5°	317.1	289.1	263.0	236.8	208.4	181.3	155.5	130.8	104.8	81.7	67.9
-85°	174.0	157.2	140.5	123.7	106.9	90.9	83.2	75.6	66.3	57.6	49.4
-87.5°	72.6	68.4	64.2	60.0	56.0	52.1	48.3	44.5	39.6	35.0	30.7
-90°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.2	6.7	7.1



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.4	10.9	10.5	10.0	9.5	8.6	7.6
87.5°	11.5	10.9	10.5	10.3	10.2	8.8	7.6
85°	15.4	13.8	12.5	11.5	10.8	9.1	7.6
82.5°	19.2	16.6	14.4	12.7	11.5	9.4	7.6
80°	22.7	19.4	16.3	13.9	12.1	9.7	7.6
77.5°	23.5	21.3	18.2	15.1	12.7	10.0	7.6
75°	24.3	21.7	19.7	16.3	13.3	10.2	7.6
72.5°	25.0	22.0	19.8	17.4	13.9	10.5	7.6
70°	25.6	22.3	19.8	18.2	14.5	10.7	7.6
67.5°	26.4	22.4	19.8	18.1	15.1	11.0	7.6
65°	27.2	22.9	19.7	17.9	15.6	11.2	7.6
62.5°	27.9	23.7	19.5	17.7	16.1	11.5	7.6
60°	28.7	24.4	19.4	17.4	16.6	11.7	7.6
57.5°	30.2	25.2	20.0	17.2	16.4	11.9	7.6
55°	31.7	25.9	20.6	16.9	16.3	12.1	7.6
52.5°	33.1	26.7	21.3	16.5	16.2	12.3	7.6
50°	34.6	27.9	21.9	16.2	16.1	12.5	7.6
47.5°	36.1	29.1	22.5	16.0	16.0	12.6	7.6
45°	38.2	30.2	23.1	16.4	15.9	12.8	7.6
42.5°	40.4	31.3	23.7	16.9	15.8	12.9	7.6
40°	42.7	32.3	24.3	17.6	15.8	13.0	7.6
37.5°	45.1	33.3	25.1	18.4	15.8	13.2	7.6
35°	47.5	34.9	25.8	19.3	15.8	13.3	7.6
32.5°	50.2	36.7	26.5	20.3	15.8	13.3	7.6
30°	53.1	38.6	27.1	21.3	15.9	13.4	7.6
27.5°	56.1	40.4	29.0	22.2	16.0	13.5	7.6
25°	59.1	42.2	31.2	23.3	16.0	13.5	7.6
22.5°	62.1	44.8	33.5	24.3	16.1	13.6	7.6
20°	65.2	49.6	35.9	25.3	16.2	13.6	7.6
17.5°	70.7	54.5	38.4	26.3	16.3	13.6	7.6
15°	77.8	59.5	40.9	27.2	16.4	13.6	7.6
12.5°	84.9	64.4	43.4	28.2	16.6	13.6	7.6
10°	91.8	69.3	45.9	29.1	16.7	13.5	7.6
7.5°	98.6	74.1	48.3	30.0	16.8	13.5	7.6
5°	105.2	78.7	50.7	30.8	16.9	13.4	7.6
2.5°	111.5	83.1	52.9	31.5	17.0	13.4	7.6
0°	117.5	87.2	55.0	32.2	17.1	13.3	7.6
-2.5°	147.0	104.2	63.9	36.1	18.4	13.5	7.6
-5°	175.7	120.8	72.6	40.0	19.7	13.8	7.6
-7.5°	203.3	136.6	80.8	43.6	21.0	14.0	7.6
-10°	229.5	151.4	88.6	47.0	22.2	14.2	7.6
-12.5°	253.9	165.2	95.8	50.2	23.3	14.4	7.6
-15°	276.1	177.7	102.3	53.1	24.4	14.5	7.6
-17.5°	295.8	188.7	108.1	55.7	25.3	14.7	7.6
-20°	317.4	198.0	113.1	57.9	26.2	14.8	7.6



REPORT NUMBER: P701599 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	343.2	205.6	117.1	59.7	27.0	14.9	7.6
-25°	365.2	217.2	120.2	61.1	27.7	15.0	7.6
-27.5°	383.1	228.9	122.2	62.1	28.3	15.0	7.6
-30°	396.6	238.0	123.6	62.6	28.7	15.0	7.6
-32.5°	405.6	244.4	128.3	62.6	29.0	15.0	7.6
-35°	412.1	247.9	131.3	62.1	29.2	15.0	7.6
-37.5°	415.2	249.6	132.7	61.1	29.2	15.0	7.6
-40°	413.9	250.5	132.4	59.6	29.1	14.9	7.6
-42.5°	408.4	248.7	131.7	58.2	28.8	14.8	7.6
-45°	398.5	244.2	130.9	57.5	28.4	14.7	7.6
-47.5°	384.3	236.9	128.6	56.0	27.9	14.5	7.6
-50°	370.2	226.9	125.0	55.5	27.2	14.3	7.6
-52.5°	353.0	214.3	120.0	54.9	26.4	14.1	7.6
-55°	332.1	203.7	113.6	53.7	25.4	13.9	7.6
-57.5°	307.6	191.9	105.9	51.9	24.3	13.6	7.6
-60°	280.6	178.1	97.2	49.6	23.1	13.3	7.6
-62.5°	258.1	162.4	91.1	46.6	22.2	13.0	7.6
-65°	233.1	145.0	84.1	43.2	21.3	12.7	7.6
-67.5°	205.8	128.9	76.2	39.3	20.4	12.3	7.6
-70°	176.3	114.3	67.4	34.9	19.3	12.0	7.6
-72.5°	151.6	98.5	57.9	32.0	18.2	11.6	7.6
-75°	126.5	81.7	47.8	29.2	17.1	11.2	7.6
-77.5°	100.0	64.0	41.3	26.3	15.9	10.8	7.6
-80°	72.5	51.4	35.5	23.2	14.7	10.3	7.6
-82.5°	56.4	41.6	29.4	20.0	13.4	9.9	7.6
-85°	41.6	31.5	23.2	16.7	12.1	9.5	7.6
-87.5°	26.6	21.3	16.8	13.4	10.8	9.0	7.6
-90°	7.6	8.1	8.6	9.0	9.5	8.6	7.6

(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

