

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: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-3S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

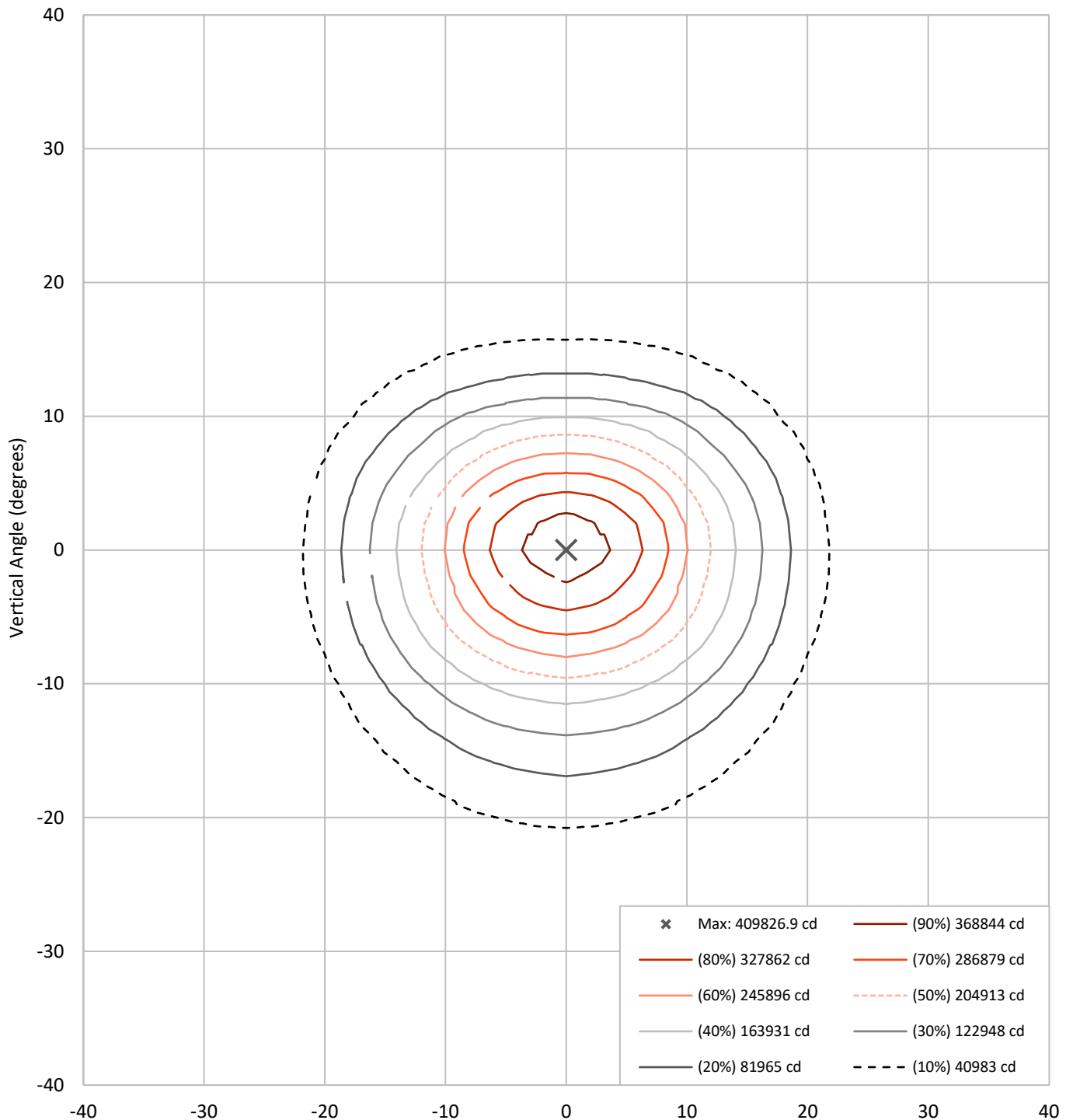
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	68512.9 lumens	Max Intensity:	409826.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	29308.2 lumens	Field Lumens:	58551.1 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 697.2
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





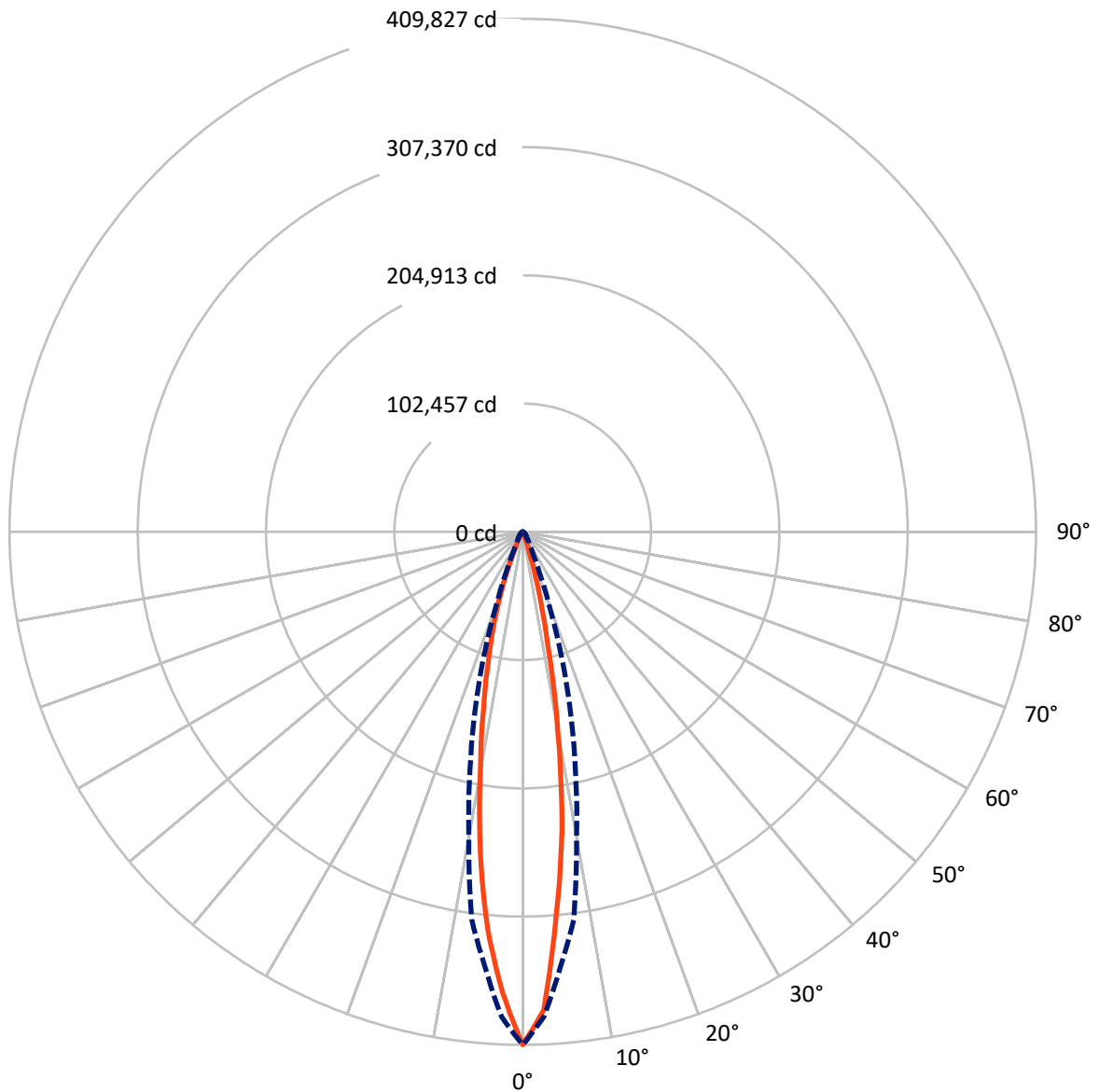
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Lumen Table

90	0.2		0.5		0.8		0.9		1.0		0.9		0.8		0.5		0.2	
80	0.2		0.5		0.8		0.9		1.0		0.9		0.8		0.5		0.2	
70	0.2	0.1	0.2	0.8	0.9	0.6	0.3	0.3	0.3	0.3	0.6	0.9	0.8	0.2	0.1	0.2		
60		0.1	0.5	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.5	0.1			
50	0.2	0.2	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.2	0.2		
40		0.3	0.7	1.0	1.9	2.7	3.4	4.4	4.4	3.4	2.7	1.9	1.0	0.7	0.3			
30	0.3	0.5	1.9	4.8	9.0	13.8	31.1	62.6	62.6	31.1	13.8	9.0	4.8	1.9	0.5	0.3		
20		1.3	7.0	22.5	49.3	132.3	733.9	1679.4	1679.4	733.9	132.3	49.3	22.5	7.0	1.3			
10	0.4	2.5	14.8	53.3	124.2	546.5	3427.4	8000.2	8000.2	3427.4	546.5	124.2	53.3	14.8	2.5	0.4		
0		3.3	17.6	62.4	139.4	582.4	3655.6	8240.0	8240.0	3655.6	582.4	139.4	62.4	17.6	3.3			
-10	0.7	3.5	15.1	47.3	98.9	251.1	1327.2	2987.0	2987.0	1327.2	251.1	98.9	47.3	15.1	3.5	0.7		
-20		3.4	12.3	29.7	69.9	118.4	257.0	516.8	516.8	257.0	118.4	69.9	29.7	12.3	3.4			
-30	0.6	3.1	9.8	20.7	45.2	81.6	111.0	129.5	129.5	111.0	81.6	45.2	20.7	9.8	3.1	0.6		
-40		2.2	7.3	15.7	28.1	45.8	70.2	88.3	88.3	70.2	45.8	28.1	15.7	7.3	2.2			
-50	0.3	1.0	4.3	10.0	17.8	26.2	33.2	37.4	37.4	33.2	26.2	17.8	10.0	4.3	1.0	0.3		
-60		0.4	1.5	4.3	8.1	12.4	16.6	19.2	19.2	16.6	12.4	8.1	4.3	1.5	0.4			
-70	0.2	1.0	3.3	8.9	13.6	8.9	3.3	1.0	0.2									
-80		1.0	3.3	8.9	13.6	8.9	3.3	1.0										
-90	0.2		1.0		3.3		8.9		13.6		8.9		3.3		1.0		0.2	

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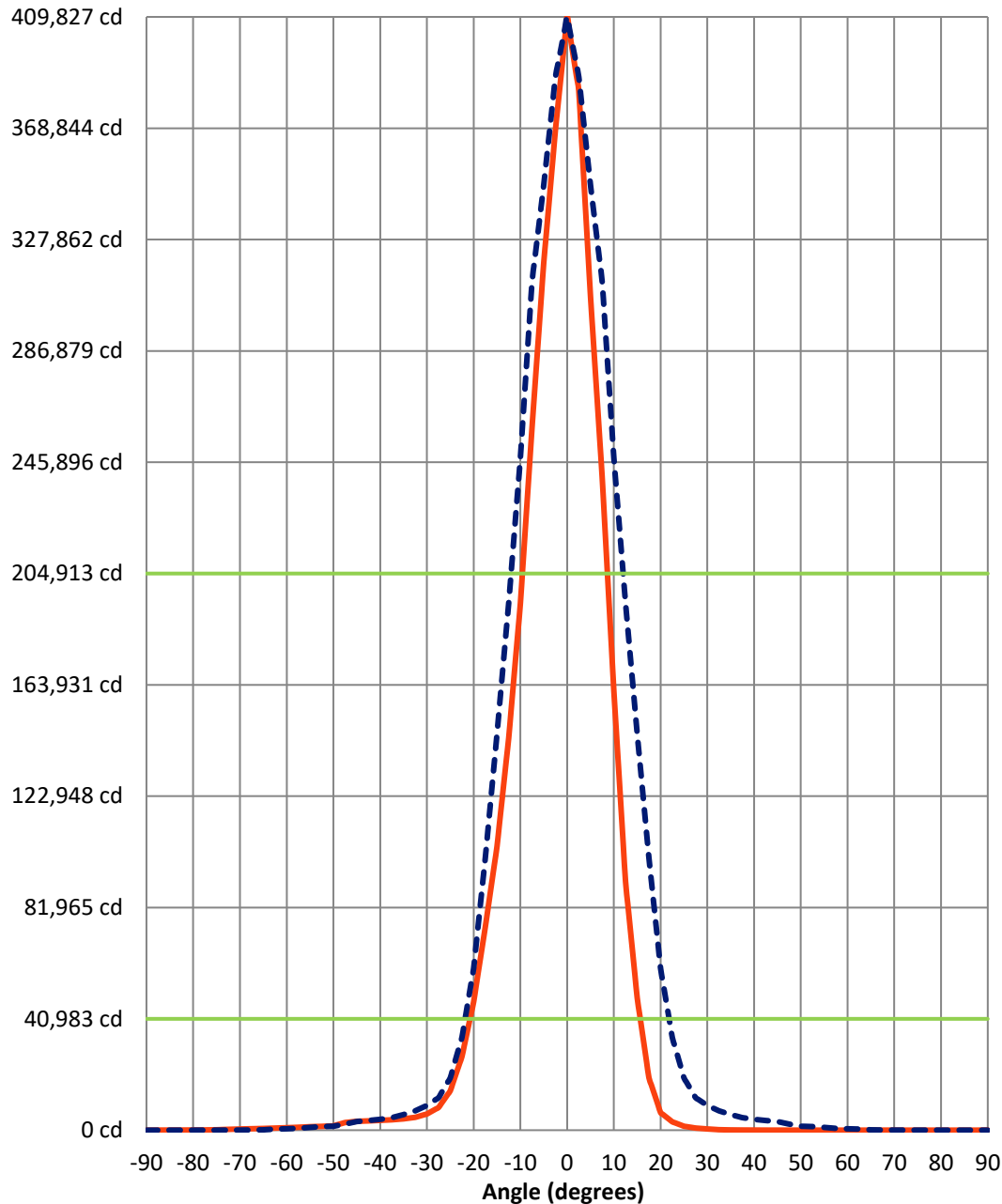
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 29308.2
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 58551.1
 Efficiency: 85.5%

Spill:
 Lumens: 9961.8
 Efficiency: 14.5%

— 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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.4
67.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	9.5	10.2
65°	8.7	8.7	8.7	8.7	8.7	8.8	8.8	8.7	9.4	10.2	10.6
62.5°	8.7	8.7	8.7	8.7	8.7	8.9	9.0	9.1	10.0	10.7	10.0
60°	8.7	8.7	8.7	8.7	8.7	9.1	9.1	9.7	10.7	10.4	9.5
57.5°	8.7	8.7	8.7	8.7	8.9	9.3	9.5	10.2	10.7	10.1	9.4
55°	8.7	8.7	8.8	8.7	9.1	9.5	9.9	10.7	10.6	10.0	9.6
52.5°	8.7	8.7	8.8	8.7	9.3	9.8	10.3	10.8	10.6	10.1	9.7
50°	8.7	8.7	8.8	8.7	9.6	10.0	10.6	10.9	10.7	10.3	11.7
47.5°	8.7	8.7	8.9	8.7	9.8	10.2	10.8	11.1	10.8	10.4	13.5
45°	8.7	8.7	9.0	8.9	10.1	10.4	11.0	11.3	11.0	11.5	14.9
42.5°	8.7	8.7	9.0	9.1	10.3	10.6	11.2	11.5	11.3	12.2	16.3
40°	8.7	8.7	9.1	9.4	10.5	10.7	11.5	11.8	11.8	12.7	17.7
37.5°	8.7	8.7	9.2	9.6	10.6	10.8	11.7	12.2	12.7	14.0	19.0
35°	8.7	8.7	9.3	9.8	10.7	10.9	12.0	12.6	13.7	16.3	19.7
32.5°	8.7	8.7	9.4	10.0	10.7	11.2	12.4	13.0	14.7	18.6	21.6
30°	8.7	8.7	9.5	10.2	10.8	11.4	12.7	13.6	15.7	21.0	24.0
27.5°	8.7	8.7	9.6	10.3	10.8	11.7	13.1	14.4	17.1	23.5	26.8
25°	8.7	8.7	9.7	10.4	10.8	11.9	13.5	15.3	19.1	25.9	30.1
22.5°	8.7	8.7	9.8	10.5	10.8	12.2	13.9	16.1	21.1	28.4	36.3
20°	8.7	8.7	9.9	10.6	10.8	12.3	14.3	17.0	23.1	31.1	43.1
17.5°	8.7	8.7	10.0	10.7	10.8	12.5	14.6	17.8	25.0	34.1	50.5
15°	8.7	8.7	10.1	10.7	10.8	12.6	14.7	18.8	26.9	37.1	58.2
12.5°	8.7	8.7	10.3	10.8	10.8	12.7	14.9	19.9	29.0	40.1	66.0
10°	8.7	8.7	10.4	10.8	10.8	12.8	15.0	21.2	31.3	45.3	75.7
7.5°	8.7	8.7	10.5	10.8	10.8	12.9	15.1	22.5	33.4	50.8	89.1
5°	8.7	8.7	10.6	10.8	10.8	13.0	15.1	23.7	35.5	56.5	102.5
2.5°	8.7	8.7	10.7	10.8	10.8	13.0	15.2	24.9	37.3	61.9	115.5
0°	8.7	8.7	10.8	10.8	10.8	13.0	15.2	24.9	37.3	61.9	115.5
-2.5°	8.7	8.7	10.7	10.8	10.8	13.0	15.2	24.9	37.3	61.9	115.5
-5°	8.7	8.7	10.8	10.8	11.0	13.5	17.2	31.0	49.5	82.5	146.2
-7.5°	8.7	8.7	10.8	10.8	11.2	13.9	19.1	35.8	59.5	97.1	163.4
-10°	8.7	8.7	10.8	10.8	11.4	14.3	20.9	40.1	68.8	110.8	179.0
-12.5°	8.7	8.7	10.7	10.8	11.5	14.7	22.5	43.9	77.2	123.3	193.0
-15°	8.7	8.7	10.7	10.8	11.7	15.0	23.9	47.1	84.4	134.4	205.8
-17.5°	8.7	8.7	10.7	10.8	11.7	15.0	23.9	47.1	84.4	134.4	205.8
-20°	8.7	8.7	10.6	10.8	11.8	15.2	24.9	49.6	91.0	144.7	216.8
-22.5°	8.7	8.7	10.6	10.8	11.9	15.4	25.7	52.4	97.2	153.4	225.7
-25°	8.7	8.7	10.5	10.8	11.9	15.5	26.4	55.0	101.9	160.6	232.2



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.7	8.7	10.5	10.8	12.0	15.5	27.2	56.4	104.9	166.2	236.3
-25°	8.7	8.7	10.4	10.8	12.0	15.7	27.4	56.6	106.0	170.0	238.0
-27.5°	8.7	8.7	10.3	10.8	11.9	15.8	26.8	55.3	105.3	171.7	241.2
-30°	8.7	8.7	10.2	10.8	11.8	15.8	25.4	52.6	103.5	170.5	242.4
-32.5°	8.7	8.7	10.1	10.8	11.9	15.7	23.2	50.6	100.2	166.7	241.3
-35°	8.7	8.7	10.0	10.8	11.8	15.4	22.3	48.0	94.8	160.1	237.8
-37.5°	8.7	8.7	9.9	10.8	11.7	15.2	21.9	44.2	87.2	150.8	221.9
-40°	8.7	8.7	9.8	10.8	11.6	15.0	21.4	39.1	77.5	139.9	202.3
-42.5°	8.7	8.7	9.7	10.8	11.5	14.8	20.6	32.8	68.9	122.9	180.6
-45°	8.7	8.7	9.6	10.8	11.6	14.5	19.7	28.0	60.1	103.8	157.3
-47.5°	8.7	8.7	9.4	10.8	11.5	14.1	18.5	26.6	49.6	83.6	134.4
-50°	8.7	8.7	9.3	10.7	11.5	13.7	17.8	24.9	36.7	69.0	109.9
-52.5°	8.7	8.7	9.2	10.5	11.4	13.1	17.1	23.0	30.9	53.7	84.9
-55°	8.7	8.7	9.0	10.3	11.2	12.8	16.2	21.0	28.0	37.8	67.0
-57.5°	8.7	8.7	8.9	10.1	11.0	12.5	15.3	19.7	25.1	31.6	48.4
-60°	8.7	8.7	8.7	9.9	10.8	12.1	14.3	18.3	22.3	28.2	34.2
-62.5°	8.7	8.7	8.7	9.7	10.6	11.6	13.5	16.7	20.5	24.6	30.3
-65°	8.7	8.7	8.7	9.5	10.4	11.1	12.7	15.3	18.7	22.3	26.3
-67.5°	8.7	8.7	8.7	9.4	10.2	10.7	11.9	14.2	16.8	20.1	23.5
-70°	8.7	8.7	8.7	9.2	10.1	10.6	10.9	13.0	15.5	17.9	21.0
-72.5°	8.7	8.7	8.7	9.1	9.9	10.5	10.8	11.9	14.2	16.5	18.7
-75°	8.7	8.7	8.7	9.1	9.7	10.4	10.8	11.5	12.9	15.0	17.1
-77.5°	8.7	8.7	8.7	9.0	9.6	10.3	10.7	11.3	12.2	13.6	15.4
-80°	8.7	8.7	8.7	9.0	9.4	10.0	10.8	11.0	11.6	12.5	13.7
-82.5°	8.7	8.7	8.7	8.9	9.2	9.7	10.3	10.6	10.9	11.3	11.9
-85°	8.7	8.7	8.7	8.8	9.1	9.4	9.8	10.0	10.1	10.3	10.5
-87.5°	8.7	8.7	8.7	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



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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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.2	9.8	10.3
87.5°	8.4	8.2	7.9	7.8	7.5	7.2	6.9	6.5	6.5	6.5	6.5
85°	8.7	8.7	8.7	8.7	8.2	7.6	7.1	6.5	6.5	6.5	6.5
82.5°	8.7	8.7	8.7	8.7	8.2	7.7	7.1	6.8	6.9	6.8	6.7
80°	8.7	8.7	8.7	8.7	8.4	8.3	8.2	8.3	8.1	7.7	7.1
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.3	7.7	7.2
75°	8.7	8.7	8.8	8.8	8.7	8.7	8.7	8.7	8.5	8.3	8.3
72.5°	9.0	9.3	9.3	9.0	8.7	8.7	8.7	8.7	10.2	12.4	14.0
70°	9.9	10.0	9.4	8.9	8.7	9.3	11.9	15.5	19.3	22.1	25.6
67.5°	10.5	9.6	8.9	8.9	10.5	13.4	17.5	26.7	37.0	41.0	42.2
65°	9.7	8.9	9.2	10.6	12.8	20.4	30.6	42.6	51.4	50.7	48.1
62.5°	8.9	9.0	10.1	13.6	20.5	30.1	39.4	47.7	56.1	53.8	46.2
60°	8.9	9.2	13.3	20.4	27.6	34.6	43.3	48.1	51.9	51.6	40.8
57.5°	9.0	11.7	18.8	25.7	31.5	36.9	39.6	42.9	44.3	44.4	33.2
55°	10.4	16.1	23.0	28.8	33.2	32.4	33.5	33.9	34.1	31.8	22.5
52.5°	13.8	19.8	25.5	30.6	31.6	28.5	24.8	25.0	23.4	19.7	16.3
50°	16.6	22.0	27.5	31.0	29.6	23.7	18.3	18.3	16.7	14.4	12.4
47.5°	18.7	24.1	29.4	31.3	26.3	21.4	17.0	14.8	13.2	12.7	11.4
45°	20.4	25.7	31.3	29.2	24.8	21.2	17.5	13.0	13.6	13.5	13.9
42.5°	22.1	26.8	29.9	27.8	25.3	22.7	19.3	16.7	15.6	17.1	17.8
40°	22.8	27.5	28.9	29.3	26.9	25.5	25.1	23.1	20.0	22.8	23.7
37.5°	23.1	27.4	30.1	33.7	30.5	31.3	32.6	33.1	31.2	30.5	34.3
35°	23.1	28.1	36.3	40.5	37.9	39.8	43.6	45.3	45.3	44.5	51.0
32.5°	23.6	29.7	44.9	48.5	51.3	53.6	56.1	60.1	63.8	68.0	78.8
30°	26.7	37.7	54.7	57.5	67.7	78.4	75.4	77.3	85.8	112.9	136.6
27.5°	33.2	48.6	63.2	72.0	88.6	110.9	117.7	104.0	128.7	170.8	211.0
25°	41.0	78.7	72.4	89.7	120.5	154.0	172.6	170.6	194.7	247.9	295.5
22.5°	57.7	118.0	114.2	109.1	157.7	206.8	238.7	294.2	372.2	371.9	389.2
20°	86.6	155.5	167.0	181.5	212.8	267.6	313.3	460.0	622.6	677.9	617.7
17.5°	120.5	196.8	227.1	276.0	345.6	381.1	407.1	658.3	933.1	1042.0	1076.2
15°	158.1	241.3	291.3	381.7	492.8	555.7	666.6	953.6	1278.3	1462.9	1600.2
12.5°	198.3	288.2	358.6	496.0	650.6	733.8	979.6	1395.0	1718.4	1941.2	2290.1
10°	239.7	336.6	427.8	616.0	815.7	914.0	1314.8	1849.7	2187.6	2445.4	2922.8
7.5°	285.3	384.8	496.5	738.4	984.3	1094.9	1661.0	2307.8	2644.8	2932.0	3471.5
5°	329.7	431.1	558.2	842.5	1119.5	1247.5	1973.1	2757.5	3089.0	3400.6	3967.0
2.5°	370.7	475.4	617.3	938.3	1226.7	1354.3	2123.4	2986.2	3347.7	3734.5	4341.3
0°	406.9	517.3	673.1	1025.9	1324.6	1456.6	2242.2	3183.7	3558.2	3997.5	4614.4
-2.5°	414.5	533.9	693.0	1024.6	1311.5	1454.0	2253.7	3192.4	3630.7	4095.1	4698.8
-5°	416.6	547.2	708.3	1014.4	1289.7	1445.6	2230.4	3160.2	3642.7	4071.3	4615.0
-7.5°	413.6	556.8	718.8	994.3	1247.3	1397.6	2098.9	2964.3	3452.2	3825.7	4336.9
-10°	406.2	555.4	707.1	949.1	1179.6	1324.7	1919.0	2738.4	3253.9	3575.4	4020.8
-12.5°	393.2	545.1	688.4	900.6	1111.2	1250.3	1709.3	2488.1	3052.9	3327.5	3687.8
-15°	378.7	532.7	666.4	850.4	1044.3	1175.5	1471.3	2218.0	2861.4	3141.0	3408.8
-17.5°	363.5	518.8	641.3	800.3	981.1	1101.1	1214.4	1931.1	2619.2	2950.9	3209.6
-20°	348.6	503.6	613.5	751.6	921.6	1043.6	1136.5	1640.3	2278.9	2740.3	3000.0



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	334.8	487.3	587.1	713.8	869.1	997.8	1092.0	1355.9	1919.8	2511.3	2792.0
-25°	329.7	464.0	565.6	680.8	818.9	951.5	1048.6	1114.5	1580.5	2166.0	2593.8
-27.5°	329.9	444.4	545.0	645.1	768.8	902.2	999.1	1067.1	1322.6	1826.7	2370.2
-30°	326.9	420.8	522.3	610.6	724.9	845.5	947.9	1041.9	1122.7	1526.2	2005.9
-32.5°	314.6	396.0	495.0	583.5	680.7	790.8	905.9	1006.5	1094.2	1225.5	1660.1
-35°	297.9	375.5	465.2	554.5	636.0	742.0	855.2	965.2	1058.3	1139.8	1338.1
-37.5°	282.7	352.2	434.5	522.4	602.5	693.5	800.6	910.9	1010.9	1107.8	1197.4
-40°	265.3	326.3	405.2	488.0	567.8	647.3	744.1	848.1	953.7	1065.3	1173.2
-42.5°	245.3	304.8	373.9	452.0	527.7	605.6	685.1	782.8	889.0	1007.1	1119.5
-45°	219.1	281.0	341.2	411.5	483.2	558.9	635.5	714.4	816.9	925.7	1043.5
-47.5°	190.6	253.5	312.0	368.3	435.9	506.4	580.9	658.3	739.3	838.5	944.2
-50°	160.8	219.3	278.7	329.6	386.2	451.2	519.7	596.6	673.8	751.7	841.6
-52.5°	131.7	182.8	238.4	291.3	340.1	394.5	458.0	527.7	601.5	676.3	745.8
-55°	101.0	147.4	195.4	247.0	296.4	342.7	393.9	456.4	522.4	591.8	655.5
-57.5°	76.2	111.2	153.9	198.9	246.7	293.6	338.3	383.6	440.5	501.8	556.4
-60°	54.7	80.2	112.9	152.5	193.3	237.6	282.6	324.9	366.5	406.6	455.5
-62.5°	35.9	55.8	78.8	106.6	142.8	180.1	220.0	260.7	301.2	336.1	368.2
-65°	31.5	36.1	51.7	72.5	93.1	126.7	160.5	193.0	228.5	260.5	291.5
-67.5°	26.9	31.1	35.3	42.5	61.2	82.0	103.9	133.6	161.8	184.8	207.8
-70°	23.8	26.3	29.8	33.5	37.4	45.9	64.2	83.3	102.1	119.8	139.4
-72.5°	21.0	23.3	25.5	27.7	31.1	35.1	39.2	43.5	54.0	68.2	81.7
-75°	18.7	20.2	22.2	24.1	26.2	28.6	31.3	34.9	38.2	41.2	43.9
-77.5°	16.6	17.7	19.1	20.5	22.2	24.0	26.0	28.1	30.3	32.6	35.0
-80°	14.5	15.2	16.0	17.0	18.4	19.8	21.2	22.5	23.8	25.4	27.1
-82.5°	12.5	13.0	13.5	14.0	14.8	15.8	16.9	18.0	18.4	18.8	19.4
-85°	10.6	10.8	11.1	11.4	11.9	12.3	12.9	13.5	13.6	13.7	13.7
-87.5°	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.4	10.6	10.7
-90°	8.2	7.6	7.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.8	11.3	11.9	12.4	13.0	17.9	22.7	27.6	32.5	40.6	48.7
87.5°	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	2.2	2.2
85°	6.5	6.0	5.4	4.9	4.3	4.2	4.2	4.2	4.2	3.7	3.2
82.5°	6.5	6.0	5.4	4.9	4.3	4.3	4.3	4.3	4.3	3.8	3.3
80°	6.6	6.2	6.0	5.8	5.7	5.5	5.2	4.8	4.3	4.3	4.2
77.5°	6.8	6.9	6.9	6.8	6.6	6.1	5.5	4.9	4.4	4.3	4.3
75°	8.5	8.7	8.9	8.6	7.8	7.3	6.9	6.6	6.2	5.8	5.4
72.5°	15.1	15.3	14.6	14.0	12.7	12.1	12.2	12.0	11.7	11.5	11.3
70°	27.8	28.2	27.1	24.5	20.7	18.2	17.0	15.5	13.7	12.9	12.9
67.5°	39.5	36.2	32.7	29.0	24.3	20.3	18.0	15.9	13.8	12.7	12.2
65°	43.3	35.4	29.5	24.9	21.4	18.4	15.9	13.5	11.2	9.7	9.3
62.5°	37.6	28.0	22.3	18.9	16.4	14.8	12.4	10.2	8.3	7.3	7.6
60°	30.6	20.7	15.4	13.5	11.9	10.8	9.5	8.2	7.2	6.5	6.7
57.5°	22.9	15.1	10.8	10.5	10.0	9.1	8.3	7.7	7.1	6.5	6.5
55°	15.8	12.5	10.9	10.3	9.7	9.1	8.5	7.8	7.2	6.5	6.5
52.5°	12.4	11.3	10.9	10.4	9.8	9.2	8.6	8.0	7.3	6.6	6.5
50°	11.3	10.9	11.0	10.6	10.0	9.4	8.8	8.4	8.2	7.9	8.1
47.5°	11.6	11.9	11.7	10.9	10.5	10.6	10.6	10.6	10.7	10.3	10.1
45°	13.3	13.3	13.2	13.1	12.5	13.7	14.5	14.6	16.9	16.1	13.5
42.5°	16.5	17.3	18.2	19.4	17.9	22.9	30.7	36.0	30.8	24.3	20.5
40°	25.0	25.6	31.1	34.0	40.3	47.5	43.2	36.1	32.2	34.4	35.6
37.5°	39.4	46.0	55.1	65.1	62.7	51.9	53.2	53.0	51.1	55.6	55.9
35°	64.4	80.5	88.2	90.6	86.1	82.8	85.8	88.7	82.1	92.6	95.9
32.5°	105.1	124.9	129.4	124.8	125.3	132.5	137.9	147.8	157.7	173.5	192.3
30°	155.1	176.4	186.6	177.2	179.2	196.4	207.5	230.0	265.9	306.9	358.0
27.5°	229.7	245.5	263.7	266.3	257.7	283.0	322.5	346.1	442.6	506.5	621.6
25°	328.2	352.8	368.8	395.9	410.4	441.0	516.7	589.7	737.9	882.3	1127.2
22.5°	457.5	536.4	565.4	561.3	646.6	728.7	793.3	997.5	1289.5	1716.8	2197.9
20°	628.3	790.5	928.3	973.2	1003.5	1220.0	1442.8	2076.7	2803.6	4016.5	4959.6
17.5°	1132.5	1185.8	1488.7	1735.1	1852.4	2311.1	3350.9	4946.7	7689.8	11443.1	13750.7
15°	1890.8	2043.1	2346.8	2868.1	3513.2	4729.1	6464.8	11552.8	18587.9	26275.8	33595.2
12.5°	2728.1	3045.9	3602.1	4369.9	5394.2	8863.3	14464.9	24037.5	37061.7	50381.4	67369.2
10°	3505.2	4144.2	5057.1	6353.0	8983.0	14909.6	24338.5	40610.3	63680.4	87736.0	111768.2
7.5°	4139.0	5053.3	6388.3	8329.4	13043.2	22558.1	38021.5	61996.0	91575.4	122524.1	155108.3
5°	4779.1	5936.6	7544.4	9893.1	15703.7	28467.3	49035.2	81857.1	120029.7	159025.9	200089.2
2.5°	5334.0	6688.1	8549.5	11293.7	17493.0	31665.5	55679.4	96095.1	140913.5	187578.9	239879.6
0°	5744.1	7122.8	9101.0	11955.8	19256.1	34155.3	59568.9	100303.7	145888.9	194065.8	247519.4
-2.5°	5687.0	6933.9	8726.9	11560.0	18643.4	33706.1	57139.4	96838.6	141453.3	186614.6	234288.1
-5°	5427.2	6511.5	8118.2	10654.1	16527.9	29244.3	51276.2	87863.2	129349.0	170619.1	213036.8
-7.5°	5031.2	5969.3	7377.5	9556.0	14088.5	24101.7	42411.4	71031.7	106698.3	141970.3	174691.6
-10°	4622.2	5386.3	6527.7	8249.0	11482.2	18478.8	31426.6	52822.5	82483.6	111531.1	136606.4
-12.5°	4237.6	4806.6	5618.3	6816.9	8809.7	13833.6	23610.0	39220.1	59032.9	81365.9	103078.6
-15°	3878.9	4299.7	4882.6	5849.3	7444.1	10424.1	15731.5	26134.3	40070.5	55659.3	70668.5
-17.5°	3550.1	3897.0	4351.9	5032.5	6020.7	7863.5	11581.5	17529.1	25943.2	37031.6	47396.6
-20°	3255.5	3569.7	3909.9	4419.8	5178.7	6263.4	8093.8	11786.1	16641.4	23630.4	30485.1



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3024.7	3271.5	3536.0	3926.0	4558.6	5327.8	6237.7	7750.4	10422.8	14007.7	18067.6
-25°	2813.9	2996.6	3271.0	3690.8	4124.2	4637.2	5188.9	5795.6	6981.4	8134.4	10259.9
-27.5°	2613.4	2806.2	3092.1	3470.9	3866.2	4105.8	4458.7	4833.4	5400.6	5901.3	6748.0
-30°	2446.2	2648.6	2891.4	3211.0	3543.8	3769.5	3953.1	4224.2	4538.8	4852.8	5217.1
-32.5°	2132.0	2518.2	2686.4	2930.1	3229.9	3467.3	3629.8	3831.2	3999.3	4194.5	4392.4
-35°	1788.2	2214.2	2562.1	2719.8	2927.0	3191.0	3422.1	3583.8	3714.0	3834.4	3947.9
-37.5°	1399.2	1842.3	2222.1	2541.9	2731.5	2908.4	3153.4	3371.1	3527.7	3610.6	3684.3
-40°	1251.2	1379.2	1780.5	2147.2	2432.7	2709.7	2900.6	3114.0	3295.0	3409.4	3495.0
-42.5°	1225.8	1291.6	1343.5	1621.5	1967.9	2264.6	2517.3	2766.2	2987.4	3151.5	3283.9
-45°	1157.4	1235.6	1308.5	1359.9	1413.2	1675.6	1957.7	2232.5	2482.2	2705.6	2900.8
-47.5°	1046.9	1140.2	1218.1	1292.6	1350.6	1396.3	1449.3	1536.8	1770.6	2000.1	2218.1
-50°	926.8	1011.3	1095.8	1176.0	1238.9	1294.2	1345.1	1388.6	1432.5	1478.4	1522.0
-52.5°	808.0	883.5	958.7	1029.1	1096.1	1159.3	1218.1	1261.2	1298.1	1330.6	1355.2
-55°	714.6	770.7	825.5	885.2	944.7	1000.5	1051.5	1098.2	1140.7	1178.6	1207.8
-57.5°	611.4	666.5	718.9	763.6	807.0	849.0	892.3	933.7	970.3	1002.0	1027.8
-60°	503.5	550.6	597.2	641.3	683.1	722.6	758.1	790.8	820.3	845.5	864.5
-62.5°	399.5	436.7	478.6	516.9	550.5	582.8	619.3	652.3	681.5	705.8	723.8
-65°	320.7	347.5	377.6	407.3	436.3	467.7	499.6	527.9	552.7	573.1	589.2
-67.5°	233.8	260.0	289.3	315.9	340.4	366.9	397.4	425.4	451.0	471.6	488.4
-70°	157.6	176.2	199.3	224.1	248.2	273.4	301.3	328.1	353.7	373.3	389.2
-72.5°	94.6	106.7	119.1	135.3	152.4	173.1	196.5	219.9	243.2	260.0	273.2
-75°	46.3	51.2	61.4	70.8	79.4	90.5	102.3	113.4	123.8	131.4	137.7
-77.5°	37.5	39.8	42.2	44.4	46.5	51.4	57.3	63.3	69.5	74.4	79.1
-80°	28.8	30.3	31.9	33.5	35.3	39.0	43.0	47.1	51.1	54.2	57.1
-82.5°	20.1	20.9	21.6	22.3	22.9	25.6	28.4	31.0	33.6	36.1	38.5
-85°	13.6	13.8	14.0	14.2	14.4	17.1	19.9	22.7	25.5	27.8	30.1
-87.5°	10.8	10.9	10.9	11.0	11.0	13.3	15.6	17.8	19.9	22.1	24.2
-90°	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	1.7	1.1



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	56.8	64.9	59.5	54.1	59.5	64.9	56.8	48.7	40.6	32.5	27.6
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
85°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.2	3.7	4.2	4.2
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
80°	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.3	4.8
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.9
75°	4.9	4.3	5.4	6.5	5.4	4.3	4.9	5.4	5.8	6.2	6.6
72.5°	11.0	10.7	10.8	10.8	10.8	10.7	11.0	11.3	11.5	11.7	12.0
70°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.9	12.9	13.7	15.5
67.5°	11.6	11.0	10.8	10.8	10.8	11.0	11.6	12.2	12.7	13.8	15.9
65°	9.0	8.8	8.7	8.7	8.7	8.8	9.0	9.3	9.7	11.2	13.5
62.5°	8.0	8.6	8.7	8.7	8.7	8.6	8.0	7.6	7.3	8.3	10.2
60°	6.7	6.6	6.5	6.5	6.5	6.6	6.7	6.7	6.5	7.2	8.2
57.5°	6.5	6.5	7.4	8.7	7.4	6.5	6.5	6.5	6.5	7.1	7.7
55°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.2	7.8
52.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6	7.3	8.0
50°	8.3	8.5	8.7	8.7	8.7	8.5	8.3	8.1	7.9	8.2	8.4
47.5°	10.4	10.6	10.1	8.7	10.1	10.6	10.4	10.1	10.3	10.7	10.6
45°	13.6	13.2	12.9	13.0	12.9	13.2	13.6	13.5	16.1	16.9	14.6
42.5°	21.1	21.3	21.4	21.6	21.4	21.3	21.1	20.5	24.3	30.8	36.0
40°	37.5	38.3	38.5	39.0	38.5	38.3	37.5	35.6	34.4	32.2	36.1
37.5°	56.6	57.6	57.8	58.4	57.8	57.6	56.6	55.9	55.6	51.1	53.0
35°	95.5	95.2	92.0	93.1	92.0	95.2	95.5	95.9	92.6	82.1	88.7
32.5°	205.2	206.7	196.1	179.6	196.1	206.7	205.2	192.3	173.5	157.7	147.8
30°	396.6	430.4	453.3	454.5	453.3	430.4	396.6	358.0	306.9	265.9	230.0
27.5°	698.4	751.2	773.7	785.7	773.7	751.2	698.4	621.6	506.5	442.6	346.1
25°	1319.6	1440.6	1506.0	1456.6	1506.0	1440.6	1319.6	1127.2	882.3	737.9	589.7
22.5°	2655.3	2886.8	3084.0	3095.0	3084.0	2886.8	2655.3	2197.9	1716.8	1289.5	997.5
20°	6270.7	6218.1	6716.9	6467.0	6716.9	6218.1	6270.7	4959.6	4016.5	2803.6	2076.7
17.5°	17786.5	19753.9	20841.3	19353.4	20841.3	19753.9	17786.5	13750.7	11443.1	7689.8	4946.7
15°	40890.4	45798.5	49119.4	48695.3	49119.4	45798.5	40890.4	33595.2	26275.8	18587.9	11552.8
12.5°	76884.5	84949.9	91824.5	91536.1	91824.5	84949.9	76884.5	67369.2	50381.4	37061.7	24037.5
10°	133179.1	147240.4	160344.9	161710.1	160344.9	147240.4	133179.1	111768.2	87736.0	63680.4	40610.3
7.5°	185044.1	216708.5	235583.2	240425.8	235583.2	216708.5	185044.1	155108.3	122524.1	91575.4	61996.0
5°	249987.9	286656.7	306493.9	307023.3	306493.9	286656.7	249987.9	200089.2	159025.9	120029.7	81857.1
2.5°	298064.4	339369.2	363726.7	382572.5	363726.7	339369.2	298064.4	239879.6	187578.9	140913.5	96095.1
0°	312362.7	347983.3	387729.1	409826.9	387729.1	347983.3	312362.7	247519.4	194065.8	145888.9	100303.7
-2.5°	293203.7	330497.9	350228.1	368202.4	350228.1	330497.9	293203.7	234288.1	186614.6	141453.3	96838.6
-5°	256806.5	296307.1	315263.8	319310.2	315263.8	296307.1	256806.5	213036.8	170619.1	129349.0	87863.2
-7.5°	204341.4	232143.3	251334.9	258861.5	251334.9	232143.3	204341.4	174691.6	141970.3	106698.3	71031.7
-10°	159925.1	177877.7	187481.7	193867.8	187481.7	177877.7	159925.1	136606.4	111531.1	82483.6	52822.5
-12.5°	120578.9	133556.6	141088.7	144367.3	141088.7	133556.6	120578.9	103078.6	81365.9	59032.9	39220.1
-15°	85827.3	96096.5	101196.7	104444.1	101196.7	96096.5	85827.3	70668.5	55659.3	40070.5	26134.3
-17.5°	58803.0	67060.2	71766.6	74827.4	71766.6	67060.2	58803.0	47396.6	37031.6	25943.2	17529.1
-20°	37623.7	42540.3	46161.7	47217.0	46161.7	42540.3	37623.7	30485.1	23630.4	16641.4	11786.1



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	21982.3	24877.1	26700.9	27114.7	26700.9	24877.1	21982.3	18067.6	14007.7	10422.8	7750.4
-25°	11952.3	13213.6	14170.3	14494.5	14170.3	13213.6	11952.3	10259.9	8134.4	6981.4	5795.6
-27.5°	7339.9	7827.6	8181.0	8363.0	8181.0	7827.6	7339.9	6748.0	5901.3	5400.6	4833.4
-30°	5520.8	5743.2	5876.0	5964.9	5876.0	5743.2	5520.8	5217.1	4852.8	4538.8	4224.2
-32.5°	4532.7	4632.3	4692.3	4733.4	4692.3	4632.3	4532.7	4392.4	4194.5	3999.3	3831.2
-35°	4037.5	4102.1	4146.5	4168.5	4146.5	4102.1	4037.5	3947.9	3834.4	3714.0	3583.8
-37.5°	3739.2	3780.0	3809.5	3826.5	3809.5	3780.0	3739.2	3684.3	3610.6	3527.7	3371.1
-40°	3535.8	3564.4	3588.0	3614.4	3588.0	3564.4	3535.8	3495.0	3409.4	3295.0	3114.0
-42.5°	3350.4	3392.7	3414.1	3419.6	3414.1	3392.7	3350.4	3283.9	3151.5	2987.4	2766.2
-45°	3050.4	3168.2	3240.6	3263.8	3240.6	3168.2	3050.4	2900.8	2705.6	2482.2	2232.5
-47.5°	2418.5	2594.8	2728.0	2809.3	2728.0	2594.8	2418.5	2218.1	2000.1	1770.6	1536.8
-50°	1562.7	1600.0	1614.7	1605.9	1614.7	1600.0	1562.7	1522.0	1478.4	1432.5	1388.6
-52.5°	1374.6	1389.5	1402.0	1411.1	1402.0	1389.5	1374.6	1355.2	1330.6	1298.1	1261.2
-55°	1230.6	1247.5	1263.5	1277.0	1263.5	1247.5	1230.6	1207.8	1178.6	1140.7	1098.2
-57.5°	1049.3	1066.4	1072.8	1071.3	1072.8	1066.4	1049.3	1027.8	1002.0	970.3	933.7
-60°	880.1	892.3	901.4	906.9	901.4	892.3	880.1	864.5	845.5	820.3	790.8
-62.5°	738.0	748.6	760.4	770.5	760.4	748.6	738.0	723.8	705.8	681.5	652.3
-65°	602.7	613.9	622.9	629.8	622.9	613.9	602.7	589.2	573.1	552.7	527.9
-67.5°	503.4	516.7	526.6	534.6	526.6	516.7	503.4	488.4	471.6	451.0	425.4
-70°	403.9	417.1	425.1	430.7	425.1	417.1	403.9	389.2	373.3	353.7	328.1
-72.5°	284.6	294.2	298.7	300.8	298.7	294.2	284.6	273.2	260.0	243.2	219.9
-75°	143.1	147.7	152.1	155.8	152.1	147.7	143.1	137.7	131.4	123.8	113.4
-77.5°	83.6	88.0	90.7	93.1	90.7	88.0	83.6	79.1	74.4	69.5	63.3
-80°	59.9	62.4	64.8	67.1	64.8	62.4	59.9	57.1	54.2	51.1	47.1
-82.5°	40.8	43.2	44.4	45.5	44.4	43.2	40.8	38.5	36.1	33.6	31.0
-85°	32.3	34.5	35.7	36.8	35.7	34.5	32.3	30.1	27.8	25.5	22.7
-87.5°	26.2	28.2	29.2	30.3	29.2	28.2	26.2	24.2	22.1	19.9	17.8
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.7



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.7	17.9	13.0	12.4	11.9	11.3	10.8	10.3	9.8	9.2	8.7
87.5°	3.3	3.8	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.5
85°	4.2	4.2	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.5
82.5°	4.3	4.3	4.3	4.9	5.4	6.0	6.5	6.7	6.8	6.9	6.8
80°	5.2	5.5	5.7	5.8	6.0	6.2	6.6	7.1	7.7	8.1	8.3
77.5°	5.5	6.1	6.6	6.8	6.9	6.9	6.8	7.2	7.7	8.3	8.7
75°	6.9	7.3	7.8	8.6	8.9	8.7	8.5	8.3	8.3	8.5	8.7
72.5°	12.2	12.1	12.7	14.0	14.6	15.3	15.1	14.0	12.4	10.2	8.7
70°	17.0	18.2	20.7	24.5	27.1	28.2	27.8	25.6	22.1	19.3	15.5
67.5°	18.0	20.3	24.3	29.0	32.7	36.2	39.5	42.2	41.0	37.0	26.7
65°	15.9	18.4	21.4	24.9	29.5	35.4	43.3	48.1	50.7	51.4	42.6
62.5°	12.4	14.8	16.4	18.9	22.3	28.0	37.6	46.2	53.8	56.1	47.7
60°	9.5	10.8	11.9	13.5	15.4	20.7	30.6	40.8	51.6	51.9	48.1
57.5°	8.3	9.1	10.0	10.5	10.8	15.1	22.9	33.2	44.4	44.3	42.9
55°	8.5	9.1	9.7	10.3	10.9	12.5	15.8	22.5	31.8	34.1	33.9
52.5°	8.6	9.2	9.8	10.4	10.9	11.3	12.4	16.3	19.7	23.4	25.0
50°	8.8	9.4	10.0	10.6	11.0	10.9	11.3	12.4	14.4	16.7	18.3
47.5°	10.6	10.6	10.5	10.9	11.7	11.9	11.6	11.4	12.7	13.2	14.8
45°	14.5	13.7	12.5	13.1	13.2	13.3	13.3	13.9	13.5	13.6	13.0
42.5°	30.7	22.9	17.9	19.4	18.2	17.3	16.5	17.8	17.1	15.6	16.7
40°	43.2	47.5	40.3	34.0	31.1	25.6	25.0	23.7	22.8	20.0	23.1
37.5°	53.2	51.9	62.7	65.1	55.1	46.0	39.4	34.3	30.5	31.2	33.1
35°	85.8	82.8	86.1	90.6	88.2	80.5	64.4	51.0	44.5	45.3	45.3
32.5°	137.9	132.5	125.3	124.8	129.4	124.9	105.1	78.8	68.0	63.8	60.1
30°	207.5	196.4	179.2	177.2	186.6	176.4	155.1	136.6	112.9	85.8	77.3
27.5°	322.5	283.0	257.7	266.3	263.7	245.5	229.7	211.0	170.8	128.7	104.0
25°	516.7	441.0	410.4	395.9	368.8	352.8	328.2	295.5	247.9	194.7	170.6
22.5°	793.3	728.7	646.6	561.3	565.4	536.4	457.5	389.2	371.9	372.2	294.2
20°	1442.8	1220.0	1003.5	973.2	928.3	790.5	628.3	617.7	677.9	622.6	460.0
17.5°	3350.9	2311.1	1852.4	1735.1	1488.7	1185.8	1132.5	1076.2	1042.0	933.1	658.3
15°	6464.8	4729.1	3513.2	2868.1	2346.8	2043.1	1890.8	1600.2	1462.9	1278.3	953.6
12.5°	14464.9	8863.3	5394.2	4369.9	3602.1	3045.9	2728.1	2290.1	1941.2	1718.4	1395.0
10°	24338.5	14909.6	8983.0	6353.0	5057.1	4144.2	3505.2	2922.8	2445.4	2187.6	1849.7
7.5°	38021.5	22558.1	13043.2	8329.4	6388.3	5053.3	4139.0	3471.5	2932.0	2644.8	2307.8
5°	49035.2	28467.3	15703.7	9893.1	7544.4	5936.6	4779.1	3967.0	3400.6	3089.0	2757.5
2.5°	55679.4	31665.5	17493.0	11293.7	8549.5	6688.1	5334.0	4341.3	3734.5	3347.7	2986.2
0°	59568.9	34155.3	19256.1	11955.8	9101.0	7122.8	5744.1	4614.4	3997.5	3558.2	3183.7
-2.5°	57139.4	33706.1	18643.4	11560.0	8726.9	6933.9	5687.0	4698.8	4095.1	3630.7	3192.4
-5°	51276.2	29244.3	16527.9	10654.1	8118.2	6511.5	5427.2	4615.0	4071.3	3642.7	3160.2
-7.5°	42411.4	24101.7	14088.5	9556.0	7377.5	5969.3	5031.2	4336.9	3825.7	3452.2	2964.3
-10°	31426.6	18478.8	11482.2	8249.0	6527.7	5386.3	4622.2	4020.8	3575.4	3253.9	2738.4
-12.5°	23610.0	13833.6	8809.7	6816.9	5618.3	4806.6	4237.6	3687.8	3327.5	3052.9	2488.1
-15°	15731.5	10424.1	7444.1	5849.3	4882.6	4299.7	3878.9	3408.8	3141.0	2861.4	2218.0
-17.5°	11581.5	7863.5	6020.7	5032.5	4351.9	3897.0	3550.1	3209.6	2950.9	2619.2	1931.1
-20°	8093.8	6263.4	5178.7	4419.8	3909.9	3569.7	3255.5	3000.0	2740.3	2278.9	1640.3



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6237.7	5327.8	4558.6	3926.0	3536.0	3271.5	3024.7	2792.0	2511.3	1919.8	1355.9
-25°	5188.9	4637.2	4124.2	3690.8	3271.0	2996.6	2813.9	2593.8	2166.0	1580.5	1114.5
-27.5°	4458.7	4105.8	3866.2	3470.9	3092.1	2806.2	2613.4	2370.2	1826.7	1322.6	1067.1
-30°	3953.1	3769.5	3543.8	3211.0	2891.4	2648.6	2446.2	2005.9	1526.2	1122.7	1041.9
-32.5°	3629.8	3467.3	3229.9	2930.1	2686.4	2518.2	2132.0	1660.1	1225.5	1094.2	1006.5
-35°	3422.1	3191.0	2927.0	2719.8	2562.1	2214.2	1788.2	1338.1	1139.8	1058.3	965.2
-37.5°	3153.4	2908.4	2731.5	2541.9	2222.1	1842.3	1399.2	1197.4	1107.8	1010.9	910.9
-40°	2900.6	2709.7	2432.7	2147.2	1780.5	1379.2	1251.2	1173.2	1065.3	953.7	848.1
-42.5°	2517.3	2264.6	1967.9	1621.5	1343.5	1291.6	1225.8	1119.5	1007.1	889.0	782.8
-45°	1957.7	1675.6	1413.2	1359.9	1308.5	1235.6	1157.4	1043.5	925.7	816.9	714.4
-47.5°	1449.3	1396.3	1350.6	1292.6	1218.1	1140.2	1046.9	944.2	838.5	739.3	658.3
-50°	1345.1	1294.2	1238.9	1176.0	1095.8	1011.3	926.8	841.6	751.7	673.8	596.6
-52.5°	1218.1	1159.3	1096.1	1029.1	958.7	883.5	808.0	745.8	676.3	601.5	527.7
-55°	1051.5	1000.5	944.7	885.2	825.5	770.7	714.6	655.5	591.8	522.4	456.4
-57.5°	892.3	849.0	807.0	763.6	718.9	666.5	611.4	556.4	501.8	440.5	383.6
-60°	758.1	722.6	683.1	641.3	597.2	550.6	503.5	455.5	406.6	366.5	324.9
-62.5°	619.3	582.8	550.5	516.9	478.6	436.7	399.5	368.2	336.1	301.2	260.7
-65°	499.6	467.7	436.3	407.3	377.6	347.5	320.7	291.5	260.5	228.5	193.0
-67.5°	397.4	366.9	340.4	315.9	289.3	260.0	233.8	207.8	184.8	161.8	133.6
-70°	301.3	273.4	248.2	224.1	199.3	176.2	157.6	139.4	119.8	102.1	83.3
-72.5°	196.5	173.1	152.4	135.3	119.1	106.7	94.6	81.7	68.2	54.0	43.5
-75°	102.3	90.5	79.4	70.8	61.4	51.2	46.3	43.9	41.2	38.2	34.9
-77.5°	57.3	51.4	46.5	44.4	42.2	39.8	37.5	35.0	32.6	30.3	28.1
-80°	43.0	39.0	35.3	33.5	31.9	30.3	28.8	27.1	25.4	23.8	22.5
-82.5°	28.4	25.6	22.9	22.3	21.6	20.9	20.1	19.4	18.8	18.4	18.0
-85°	19.9	17.1	14.4	14.2	14.0	13.8	13.6	13.7	13.7	13.6	13.5
-87.5°	15.6	13.3	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.4	10.2
-90°	3.3	3.8	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.5



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	6.9	7.2	7.5	7.8	7.9	8.2	8.4	8.7	8.7	8.7	8.7
85°	7.1	7.6	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.2	8.3	8.4	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	9.0	9.3	9.3	9.0	8.7	8.7	8.7	8.7
70°	11.9	9.3	8.7	8.9	9.4	10.0	9.9	9.4	8.7	8.7	8.7
67.5°	17.5	13.4	10.5	8.9	8.9	9.6	10.5	10.2	9.5	8.7	8.7
65°	30.6	20.4	12.8	10.6	9.2	8.9	9.7	10.6	10.2	9.4	8.7
62.5°	39.4	30.1	20.5	13.6	10.1	9.0	8.9	10.0	10.7	10.0	9.1
60°	43.3	34.6	27.6	20.4	13.3	9.2	8.9	9.5	10.4	10.7	9.7
57.5°	39.6	36.9	31.5	25.7	18.8	11.7	9.0	9.4	10.1	10.7	10.2
55°	33.5	32.4	33.2	28.8	23.0	16.1	10.4	9.6	10.0	10.6	10.7
52.5°	24.8	28.5	31.6	30.6	25.5	19.8	13.8	9.7	10.1	10.6	10.8
50°	18.3	23.7	29.6	31.0	27.5	22.0	16.6	11.7	10.3	10.7	10.9
47.5°	17.0	21.4	26.3	31.3	29.4	24.1	18.7	13.5	10.4	10.8	11.1
45°	17.5	21.2	24.8	29.2	31.3	25.7	20.4	14.9	11.5	11.0	11.3
42.5°	19.3	22.7	25.3	27.8	29.9	26.8	22.1	16.3	12.2	11.3	11.5
40°	25.1	25.5	26.9	29.3	28.9	27.5	22.8	17.7	12.7	11.8	11.8
37.5°	32.6	31.3	30.5	33.7	30.1	27.4	23.1	19.0	14.0	12.7	12.2
35°	43.6	39.8	37.9	40.5	36.3	28.1	23.1	19.7	16.3	13.7	12.6
32.5°	56.1	53.6	51.3	48.5	44.9	29.7	23.6	21.6	18.6	14.7	13.0
30°	75.4	78.4	67.7	57.5	54.7	37.7	26.7	24.0	21.0	15.7	13.6
27.5°	117.7	110.9	88.6	72.0	63.2	48.6	33.2	26.8	23.5	17.1	14.4
25°	172.6	154.0	120.5	89.7	72.4	78.7	41.0	30.1	25.9	19.1	15.3
22.5°	238.7	206.8	157.7	109.1	114.2	118.0	57.7	36.3	28.4	21.1	16.1
20°	313.3	267.6	212.8	181.5	167.0	155.5	86.6	43.1	31.1	23.1	17.0
17.5°	407.1	381.1	345.6	276.0	227.1	196.8	120.5	50.5	34.1	25.0	17.8
15°	666.6	555.7	492.8	381.7	291.3	241.3	158.1	58.2	37.1	26.9	18.8
12.5°	979.6	733.8	650.6	496.0	358.6	288.2	198.3	66.0	40.1	29.0	19.9
10°	1314.8	914.0	815.7	616.0	427.8	336.6	239.7	75.7	45.3	31.3	21.2
7.5°	1661.0	1094.9	984.3	738.4	496.5	384.8	285.3	89.1	50.8	33.4	22.5
5°	1973.1	1247.5	1119.5	842.5	558.2	431.1	329.7	102.5	56.5	35.5	23.7
2.5°	2123.4	1354.3	1226.7	938.3	617.3	475.4	370.7	115.5	61.9	37.3	24.9
0°	2242.2	1456.6	1324.6	1025.9	673.1	517.3	406.9	127.7	67.1	39.0	26.0
-2.5°	2253.7	1454.0	1311.5	1024.6	693.0	533.9	414.5	146.2	82.5	49.5	31.0
-5°	2230.4	1445.6	1289.7	1014.4	708.3	547.2	416.6	163.4	97.1	59.5	35.8
-7.5°	2098.9	1397.6	1247.3	994.3	718.8	556.8	413.6	179.0	110.8	68.8	40.1
-10°	1919.0	1324.7	1179.6	949.1	707.1	555.4	406.2	193.0	123.3	77.2	43.9
-12.5°	1709.3	1250.3	1111.2	900.6	688.4	545.1	393.2	205.8	134.4	84.4	47.1
-15°	1471.3	1175.5	1044.3	850.4	666.4	532.7	378.7	216.8	144.7	91.0	49.6
-17.5°	1214.4	1101.1	981.1	800.3	641.3	518.8	363.5	225.7	153.4	97.2	52.4
-20°	1136.5	1043.6	921.6	751.6	613.5	503.6	348.6	232.2	160.6	101.9	55.0



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1092.0	997.8	869.1	713.8	587.1	487.3	334.8	236.3	166.2	104.9	56.4
-25°	1048.6	951.5	818.9	680.8	565.6	464.0	329.7	238.0	170.0	106.0	56.6
-27.5°	999.1	902.2	768.8	645.1	545.0	444.4	329.9	241.2	171.7	105.3	55.3
-30°	947.9	845.5	724.9	610.6	522.3	420.8	326.9	242.4	170.5	103.5	52.6
-32.5°	905.9	790.8	680.7	583.5	495.0	396.0	314.6	241.3	166.7	100.2	50.6
-35°	855.2	742.0	636.0	554.5	465.2	375.5	297.9	237.8	160.1	94.8	48.0
-37.5°	800.6	693.5	602.5	522.4	434.5	352.2	282.7	221.9	150.8	87.2	44.2
-40°	744.1	647.3	567.8	488.0	405.2	326.3	265.3	202.3	139.9	77.5	39.1
-42.5°	685.1	605.6	527.7	452.0	373.9	304.8	245.3	180.6	122.9	68.9	32.8
-45°	635.5	558.9	483.2	411.5	341.2	281.0	219.1	157.3	103.8	60.1	28.0
-47.5°	580.9	506.4	435.9	368.3	312.0	253.5	190.6	134.4	83.6	49.6	26.6
-50°	519.7	451.2	386.2	329.6	278.7	219.3	160.8	109.9	69.0	36.7	24.9
-52.5°	458.0	394.5	340.1	291.3	238.4	182.8	131.7	84.9	53.7	30.9	23.0
-55°	393.9	342.7	296.4	247.0	195.4	147.4	101.0	67.0	37.8	28.0	21.0
-57.5°	338.3	293.6	246.7	198.9	153.9	111.2	76.2	48.4	31.6	25.1	19.7
-60°	282.6	237.6	193.3	152.5	112.9	80.2	54.7	34.2	28.2	22.3	18.3
-62.5°	220.0	180.1	142.8	106.6	78.8	55.8	35.9	30.3	24.6	20.5	16.7
-65°	160.5	126.7	93.1	72.5	51.7	36.1	31.5	26.3	22.3	18.7	15.3
-67.5°	103.9	82.0	61.2	42.5	35.3	31.1	26.9	23.5	20.1	16.8	14.2
-70°	64.2	45.9	37.4	33.5	29.8	26.3	23.8	21.0	17.9	15.5	13.0
-72.5°	39.2	35.1	31.1	27.7	25.5	23.3	21.0	18.7	16.5	14.2	11.9
-75°	31.3	28.6	26.2	24.1	22.2	20.2	18.7	17.1	15.0	12.9	11.5
-77.5°	26.0	24.0	22.2	20.5	19.1	17.7	16.6	15.4	13.6	12.2	11.3
-80°	21.2	19.8	18.4	17.0	16.0	15.2	14.5	13.7	12.5	11.6	11.0
-82.5°	16.9	15.8	14.8	14.0	13.5	13.0	12.5	11.9	11.3	10.9	10.6
-85°	12.9	12.3	11.9	11.4	11.1	10.8	10.6	10.5	10.3	10.1	10.0
-87.5°	10.1	10.0	10.0	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3
-90°	6.5	6.5	6.5	6.5	7.1	7.6	8.2	8.7	8.7	8.7	8.7



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
67.5°	8.8	8.7	8.7	8.7	8.7	8.7	8.7
65°	8.8	8.8	8.7	8.7	8.7	8.7	8.7
62.5°	9.0	8.9	8.7	8.7	8.7	8.7	8.7
60°	9.1	9.1	8.7	8.7	8.7	8.7	8.7
57.5°	9.5	9.3	8.9	8.7	8.7	8.7	8.7
55°	9.9	9.5	9.1	8.7	8.8	8.7	8.7
52.5°	10.3	9.8	9.3	8.7	8.8	8.7	8.7
50°	10.6	10.0	9.6	8.7	8.8	8.7	8.7
47.5°	10.8	10.2	9.8	8.7	8.9	8.7	8.7
45°	11.0	10.4	10.1	8.9	9.0	8.7	8.7
42.5°	11.2	10.6	10.3	9.1	9.0	8.7	8.7
40°	11.5	10.7	10.5	9.4	9.1	8.7	8.7
37.5°	11.7	10.8	10.6	9.6	9.2	8.7	8.7
35°	12.0	10.9	10.7	9.8	9.3	8.7	8.7
32.5°	12.4	11.2	10.7	10.0	9.4	8.7	8.7
30°	12.7	11.4	10.8	10.2	9.5	8.7	8.7
27.5°	13.1	11.7	10.8	10.3	9.6	8.7	8.7
25°	13.5	11.9	10.8	10.4	9.7	8.7	8.7
22.5°	13.9	12.2	10.8	10.5	9.8	8.7	8.7
20°	14.3	12.3	10.8	10.6	9.9	8.7	8.7
17.5°	14.6	12.5	10.8	10.7	10.0	8.7	8.7
15°	14.7	12.6	10.8	10.7	10.1	8.7	8.7
12.5°	14.9	12.7	10.8	10.8	10.3	8.7	8.7
10°	15.0	12.8	10.8	10.8	10.4	8.7	8.7
7.5°	15.1	12.9	10.8	10.8	10.5	8.7	8.7
5°	15.1	13.0	10.8	10.8	10.6	8.7	8.7
2.5°	15.2	13.0	10.8	10.8	10.7	8.7	8.7
0°	15.2	13.0	10.8	10.8	10.7	8.7	8.7
-2.5°	17.2	13.5	11.0	10.8	10.8	8.7	8.7
-5°	19.1	13.9	11.2	10.8	10.8	8.7	8.7
-7.5°	20.9	14.3	11.4	10.8	10.8	8.7	8.7
-10°	22.5	14.7	11.5	10.8	10.7	8.7	8.7
-12.5°	23.9	15.0	11.7	10.8	10.7	8.7	8.7
-15°	24.9	15.2	11.8	10.8	10.7	8.7	8.7
-17.5°	25.7	15.4	11.9	10.8	10.6	8.7	8.7
-20°	26.4	15.5	11.9	10.8	10.5	8.7	8.7



REPORT NUMBER: P731700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.2	15.5	12.0	10.8	10.5	8.7	8.7
-25°	27.4	15.7	12.0	10.8	10.4	8.7	8.7
-27.5°	26.8	15.8	11.9	10.8	10.3	8.7	8.7
-30°	25.4	15.8	11.8	10.8	10.2	8.7	8.7
-32.5°	23.2	15.7	11.9	10.8	10.1	8.7	8.7
-35°	22.3	15.4	11.8	10.8	10.0	8.7	8.7
-37.5°	21.9	15.2	11.7	10.8	9.9	8.7	8.7
-40°	21.4	15.0	11.6	10.8	9.8	8.7	8.7
-42.5°	20.6	14.8	11.5	10.8	9.7	8.7	8.7
-45°	19.7	14.5	11.6	10.8	9.6	8.7	8.7
-47.5°	18.5	14.1	11.5	10.8	9.4	8.7	8.7
-50°	17.8	13.7	11.5	10.7	9.3	8.7	8.7
-52.5°	17.1	13.1	11.4	10.5	9.2	8.7	8.7
-55°	16.2	12.8	11.2	10.3	9.0	8.7	8.7
-57.5°	15.3	12.5	11.0	10.1	8.9	8.7	8.7
-60°	14.3	12.1	10.8	9.9	8.7	8.7	8.7
-62.5°	13.5	11.6	10.6	9.7	8.7	8.7	8.7
-65°	12.7	11.1	10.4	9.5	8.7	8.7	8.7
-67.5°	11.9	10.7	10.2	9.4	8.7	8.7	8.7
-70°	10.9	10.6	10.1	9.2	8.7	8.7	8.7
-72.5°	10.8	10.5	9.9	9.1	8.7	8.7	8.7
-75°	10.8	10.4	9.7	9.1	8.7	8.7	8.7
-77.5°	10.7	10.3	9.6	9.0	8.7	8.7	8.7
-80°	10.8	10.0	9.4	9.0	8.7	8.7	8.7
-82.5°	10.3	9.7	9.2	8.9	8.7	8.7	8.7
-85°	9.8	9.4	9.1	8.8	8.7	8.7	8.7
-87.5°	9.2	9.0	8.9	8.8	8.7	8.7	8.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(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

