

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: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-1S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-1S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

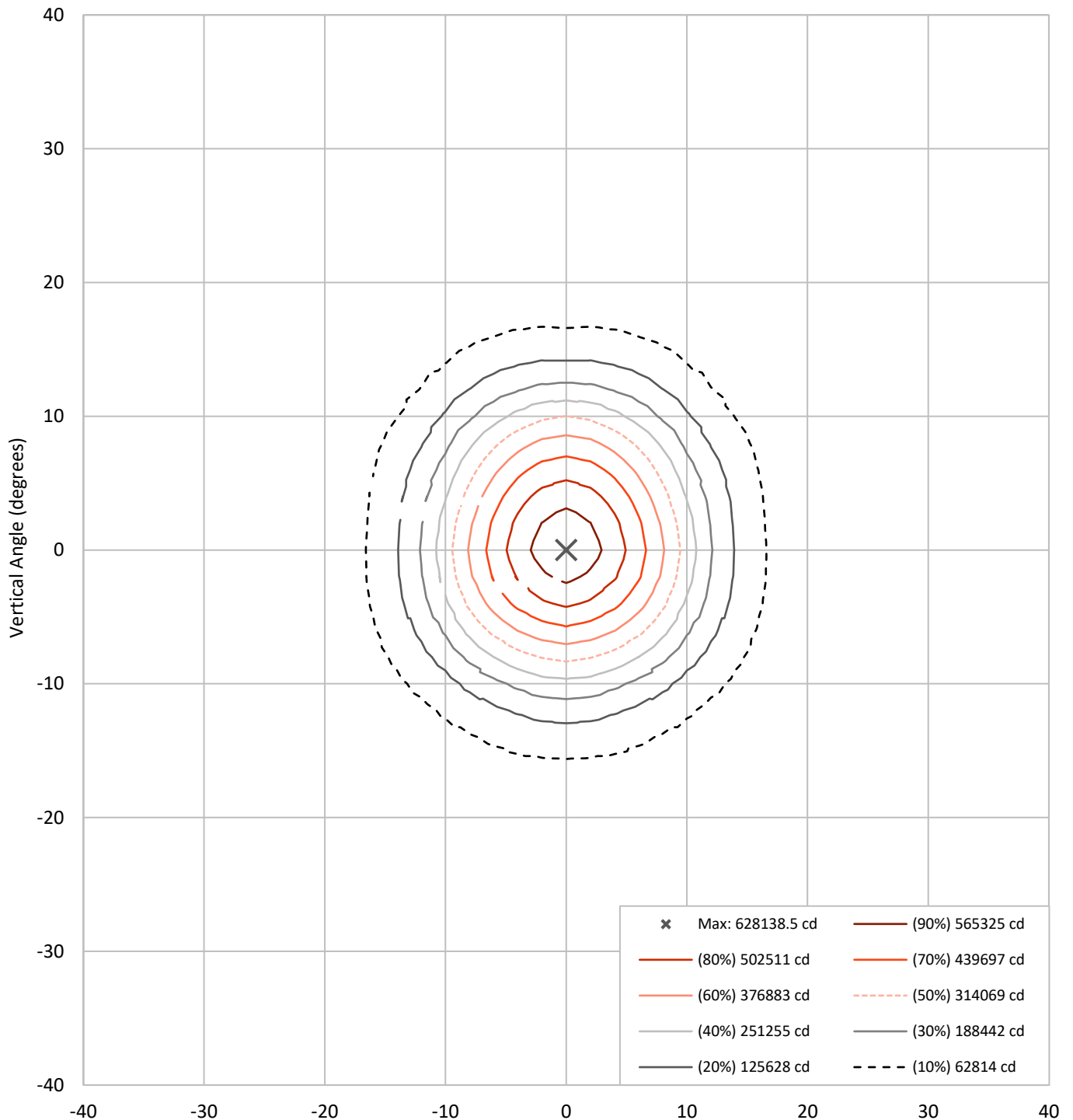
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	75660.3 lumens	Max Intensity:	628138.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	35300.9 lumens	Field Lumens:	64116 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 724.3
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





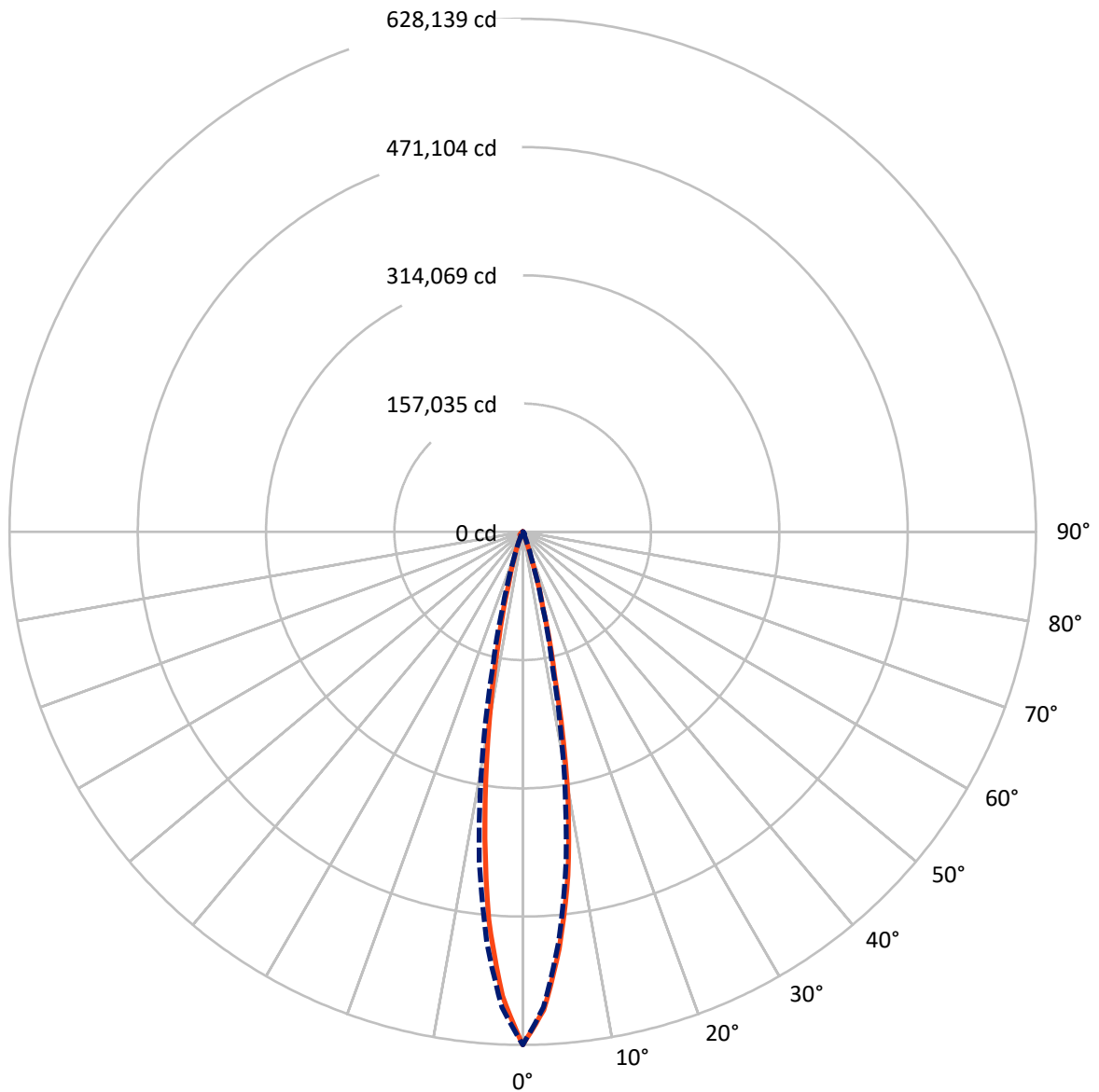
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Lumen Table

90	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1									
80	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1									
70	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.1		
60		0.1	0.3	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.3	0.1			
50	0.2	0.2	0.4	0.4	0.5	0.8	1.2	1.0	1.0	1.2	0.8	0.5	0.4	0.4	0.2	0.2		
40		0.3	0.9	2.1	4.2	6.0	8.6	10.6	10.6	8.6	6.0	4.2	2.1	0.9	0.3			
30	0.3	0.5	4.1	13.1	30.9	42.0	67.2	119.9	119.9	67.2	42.0	30.9	13.1	4.1	0.5	0.3		
20		1.3	8.8	37.7	76.0	100.7	735.9	2965.5	2965.5	735.9	100.7	76.0	37.7	8.8	1.3			
10	0.4	2.0	11.3	50.9	84.6	184.9	2756.9	11905.8	11905.8	2756.9	184.9	84.6	50.9	11.3	2.0	0.4		
0		2.5	11.9	50.0	84.5	179.5	2637.4	11029.1	11029.1	2637.4	179.5	84.5	50.0	11.9	2.5			
-10	0.6	3.0	11.5	40.1	77.8	98.3	587.4	2202.0	2202.0	587.4	98.3	77.8	40.1	11.5	3.0	0.6		
-20		3.1	11.1	27.8	77.1	96.7	109.5	189.0	189.0	109.5	96.7	77.1	27.8	11.1	3.1			
-30	0.5	2.7	10.1	19.6	54.7	113.4	132.7	136.8	136.8	132.7	113.4	54.7	19.6	10.1	2.7	0.5		
-40		1.9	7.7	17.3	29.0	52.1	94.6	128.3	128.3	94.6	52.1	29.0	17.3	7.7	1.9			
-50	0.3	1.0	4.5	11.6	22.2	32.2	40.6	45.7	45.7	40.6	32.2	22.2	11.6	4.5	1.0	0.3		
-60		0.4	1.5	4.6	9.5	15.6	21.5	25.1	25.1	21.5	15.6	9.5	4.6	1.5	0.4			
-70	0.2	1.2	3.4	7.9	10.7	7.9	3.4	1.2	0.2							0.2		
-80		1.2	3.4	7.9	10.7	7.9	3.4	1.2	0.2									
-90	0.2	1.2	3.4	7.9	10.7	7.9	3.4	1.2	0.2									

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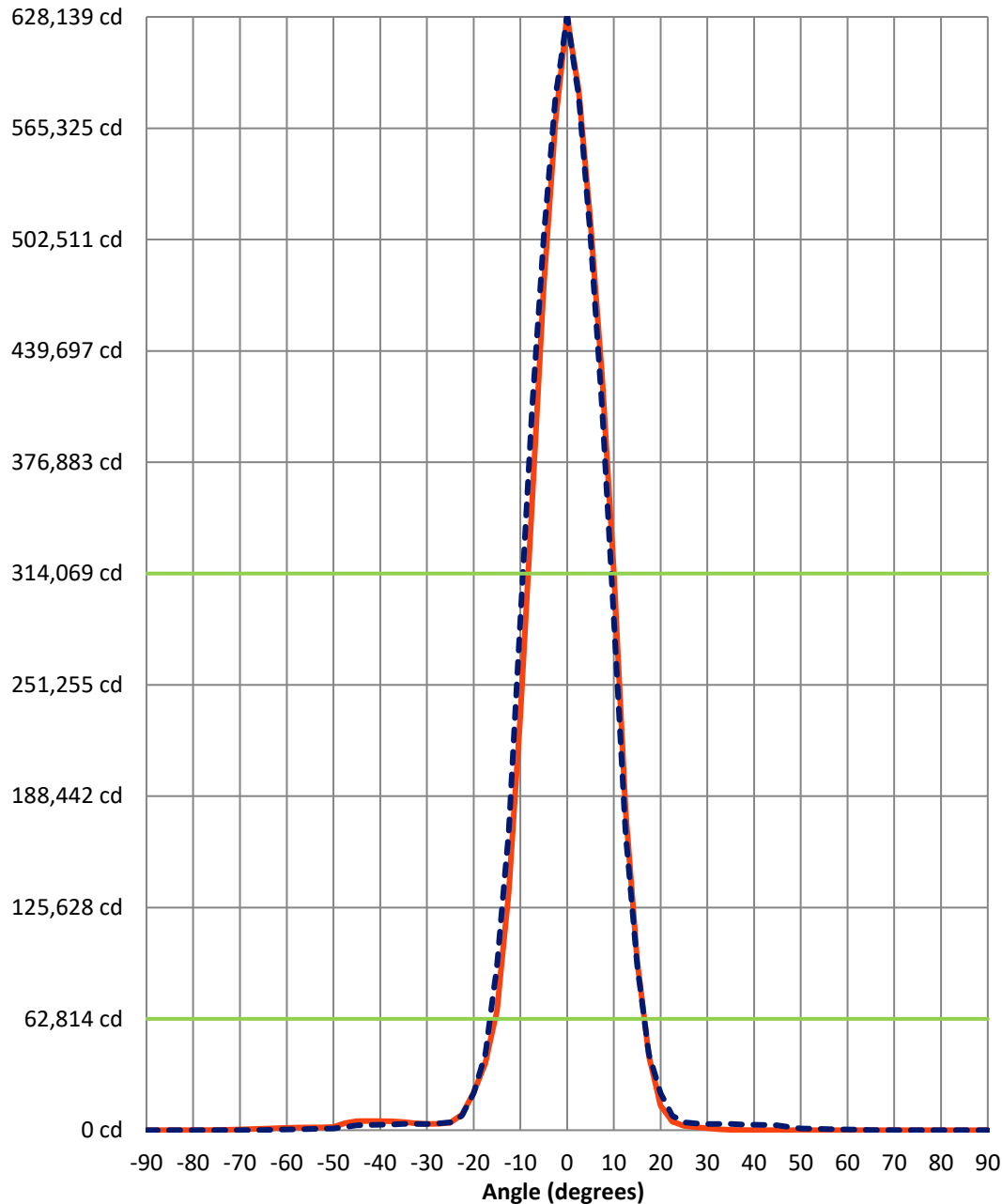
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 18.3°
 Lumens: 35300.9
 Efficiency: 46.7%

Field:
 H Angle: 33°
 V Angle: 31.9°
 Lumens: 64116
 Efficiency: 84.7%

Spill:
 Lumens: 11544.2
 Efficiency: 15.3%

— 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°	4.5	4.5	4.5	5.3	6.1	6.8	7.6	8.4	9.1	9.9	10.6
87.5°	4.5	4.5	4.5	4.2	3.9	3.6	3.4	3.3	3.3	3.1	3.0
85°	4.5	4.6	4.5	4.2	4.0	3.9	3.8	3.7	3.5	3.3	3.0
82.5°	4.5	4.6	4.5	4.3	4.1	4.1	4.2	4.0	3.8	3.6	3.4
80°	4.5	4.6	4.5	4.3	4.3	4.3	4.5	4.5	4.4	4.2	4.1
77.5°	4.5	4.7	4.5	4.4	4.4	4.6	5.0	5.0	4.9	4.8	4.6
75°	4.5	4.7	4.5	4.4	4.5	5.0	5.4	5.5	5.4	5.0	4.6
72.5°	4.5	4.8	4.5	4.5	4.8	5.3	5.8	5.8	5.4	5.1	4.7
70°	4.5	4.8	4.6	4.5	5.1	5.6	6.1	5.9	5.5	5.1	5.2
67.5°	4.5	4.8	4.6	4.7	5.3	5.9	6.1	5.9	5.5	5.7	5.9
65°	4.5	4.9	4.6	4.9	5.6	6.2	6.2	5.9	6.1	6.3	6.4
62.5°	4.5	4.9	4.7	5.1	5.8	6.3	6.3	6.3	6.6	6.9	6.7
60°	4.5	5.0	4.7	5.3	6.1	6.4	6.4	6.7	7.1	7.2	6.9
57.5°	4.5	5.0	4.9	5.5	6.2	6.5	6.7	7.2	7.6	7.6	7.5
55°	4.5	5.0	5.0	5.6	6.4	6.7	7.1	7.6	8.0	8.1	8.2
52.5°	4.5	5.1	5.2	5.8	6.6	6.9	7.5	8.1	8.5	8.7	9.0
50°	4.5	5.1	5.3	6.0	6.7	7.2	7.9	8.6	9.0	9.4	10.3
47.5°	4.5	5.2	5.5	6.1	6.9	7.5	8.2	9.1	9.6	10.0	11.7
45°	4.5	5.2	5.6	6.3	7.1	7.8	8.7	9.7	10.2	11.1	13.0
42.5°	4.5	5.3	5.8	6.4	7.3	8.1	9.2	10.2	10.7	12.1	15.3
40°	4.5	5.3	5.9	6.6	7.5	8.4	9.7	10.7	11.4	13.1	17.7
37.5°	4.5	5.4	6.0	6.8	7.7	8.6	10.2	11.1	12.4	14.5	19.9
35°	4.5	5.4	6.2	7.0	7.9	9.0	10.7	11.6	13.3	16.7	21.7
32.5°	4.5	5.5	6.3	7.2	8.1	9.4	11.2	12.0	14.3	18.8	23.5
30°	4.5	5.5	6.4	7.4	8.3	9.8	11.6	12.6	15.3	20.8	25.8
27.5°	4.5	5.6	6.6	7.5	8.5	10.2	11.9	13.4	16.6	22.6	28.3
25°	4.5	5.6	6.7	7.7	8.8	10.6	12.3	14.2	18.2	24.6	31.2
22.5°	4.5	5.7	6.8	7.9	9.0	11.0	12.6	15.0	19.7	26.8	35.5
20°	4.5	5.7	6.9	8.1	9.2	11.2	13.0	15.8	21.0	29.1	40.1
17.5°	4.5	5.8	7.0	8.2	9.4	11.5	13.3	16.5	22.3	31.4	45.1
15°	4.5	5.8	7.1	8.4	9.6	11.7	13.5	17.2	23.5	33.8	50.3
12.5°	4.5	5.9	7.2	8.5	9.8	11.8	13.8	17.7	24.6	36.2	55.5
10°	4.5	5.9	7.3	8.6	10.0	11.9	14.1	18.3	25.6	38.4	60.7
7.5°	4.5	6.0	7.4	8.8	10.2	12.0	14.4	18.7	26.6	40.5	65.7
5°	4.5	6.0	7.5	8.9	10.3	12.1	14.7	19.1	27.4	42.4	70.5
2.5°	4.5	6.1	7.5	9.0	10.5	12.1	15.0	19.4	28.2	44.1	74.9
0°	4.5	6.1	7.6	9.1	10.6	12.1	15.2	19.7	28.8	45.5	78.8
-2.5°	4.5	6.1	7.7	9.2	10.9	12.8	16.6	23.5	37.0	60.0	101.4
-5°	4.5	6.2	7.7	9.3	11.1	13.4	17.9	27.1	44.8	74.0	122.8
-7.5°	4.5	6.2	7.8	9.4	11.3	14.0	19.2	30.4	52.0	86.9	142.6
-10°	4.5	6.2	7.8	9.4	11.5	14.6	20.3	33.4	58.5	98.6	160.5
-12.5°	4.5	6.2	7.9	9.5	11.7	15.1	21.4	36.0	64.1	108.9	175.5
-15°	4.5	6.2	7.9	9.5	11.9	15.5	22.2	38.1	69.5	118.1	187.8
-17.5°	4.5	6.2	7.9	9.6	12.0	15.8	22.9	40.4	74.7	125.6	197.3
-20°	4.5	6.2	7.9	9.6	12.1	16.1	23.7	42.7	78.5	131.2	203.7



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	6.2	7.9	9.6	12.1	16.3	24.5	44.0	80.9	134.9	207.0
-25°	4.5	6.2	8.0	9.6	12.1	16.4	24.8	44.3	81.6	136.4	206.8
-27.5°	4.5	6.2	8.0	9.6	12.1	16.5	24.8	43.5	80.7	136.2	207.8
-30°	4.5	6.2	7.9	9.6	12.0	16.5	24.2	41.4	79.2	135.0	206.1
-32.5°	4.5	6.2	7.9	9.6	12.0	16.4	23.2	40.3	76.9	131.3	201.5
-35°	4.5	6.2	7.9	9.6	11.9	16.1	22.6	39.1	72.8	125.1	193.7
-37.5°	4.5	6.1	7.9	9.5	11.8	15.9	22.3	37.1	66.9	116.4	181.4
-40°	4.5	6.1	7.9	9.5	11.7	15.7	21.8	34.3	59.2	107.4	167.1
-42.5°	4.5	6.1	7.8	9.5	11.6	15.5	21.2	30.7	53.4	95.7	150.1
-45°	4.5	6.0	7.8	9.4	11.6	15.2	20.4	27.8	48.4	82.1	131.1
-47.5°	4.5	6.0	7.7	9.4	11.5	14.8	19.4	26.6	42.3	67.0	113.8
-50°	4.5	5.9	7.7	9.3	11.4	14.3	18.8	25.3	35.0	58.5	94.5
-52.5°	4.5	5.8	7.6	9.2	11.3	13.8	18.1	23.7	31.3	49.1	74.4
-55°	4.5	5.8	7.5	9.1	11.1	13.5	17.3	22.1	29.2	38.9	62.4
-57.5°	4.5	5.7	7.5	9.0	10.9	13.2	16.4	20.9	26.9	34.3	49.4
-60°	4.5	5.6	7.4	8.8	10.7	12.9	15.4	19.7	24.6	31.3	38.9
-62.5°	4.5	5.5	7.2	8.6	10.4	12.6	15.0	18.4	23.1	28.2	35.2
-65°	4.5	5.5	7.0	8.4	10.1	12.2	14.5	17.3	21.6	26.1	31.2
-67.5°	4.5	5.4	6.8	8.2	9.7	11.7	13.9	16.6	20.0	24.3	28.6
-70°	4.5	5.3	6.6	8.0	9.3	11.1	13.3	15.8	18.9	22.5	26.5
-72.5°	4.5	5.2	6.3	7.6	8.8	10.4	12.4	14.9	17.7	20.9	24.4
-75°	4.5	5.1	6.1	7.3	8.4	9.7	11.4	13.8	16.4	19.2	22.2
-77.5°	4.5	5.0	5.8	7.0	8.0	9.0	10.3	12.6	15.0	17.4	20.0
-80°	4.5	4.9	5.6	6.7	7.6	8.4	9.2	11.4	13.6	15.8	18.1
-82.5°	4.5	4.8	5.3	6.3	7.2	8.0	8.7	10.3	12.2	14.2	16.3
-85°	4.5	4.7	5.0	6.0	6.8	7.6	8.4	9.7	11.1	12.7	14.4
-87.5°	4.5	4.6	4.8	5.6	6.4	7.2	8.0	9.0	10.1	11.3	12.5
-90°	4.5	4.5	4.5	4.1	3.8	3.4	3.0	3.0	3.0	3.0	3.0



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.6	10.6	10.6	10.6	11.0	11.4	11.7	12.1	12.5	12.9	13.2
87.5°	2.8	2.6	2.5	2.4	2.2	2.0	1.8	1.5	1.5	1.5	1.5
85°	3.0	3.0	3.0	3.0	2.7	2.5	2.3	2.1	2.0	1.9	1.7
82.5°	3.4	3.4	3.2	3.0	2.9	2.9	3.0	3.0	2.7	2.5	2.3
80°	4.0	3.8	3.6	3.5	3.5	3.5	3.3	3.1	3.0	3.1	3.3
77.5°	4.3	4.2	4.2	4.3	4.2	4.0	3.8	3.8	4.0	4.2	4.4
75°	4.4	4.5	4.6	4.6	4.4	4.4	4.5	4.8	5.0	5.0	4.9
72.5°	4.8	5.0	4.9	4.7	4.9	5.2	5.6	6.0	6.7	7.5	8.3
70°	5.4	5.5	5.4	5.5	5.8	6.4	7.7	9.4	11.0	13.0	15.7
67.5°	6.0	5.8	5.9	6.3	7.3	8.8	10.6	16.7	23.7	26.7	27.6
65°	6.1	6.0	6.7	7.7	9.0	13.7	20.4	28.7	36.4	37.3	36.0
62.5°	6.2	6.7	7.7	9.9	14.4	20.8	28.0	35.9	44.7	45.0	39.4
60°	6.8	7.5	9.8	14.1	19.3	25.2	33.1	39.4	46.6	50.0	38.2
57.5°	7.6	8.9	12.7	17.8	23.2	27.5	31.7	38.2	42.1	42.8	31.5
55°	8.8	10.8	15.6	21.5	25.4	24.4	27.8	31.5	33.0	30.7	21.9
52.5°	10.6	13.0	19.1	24.1	25.0	22.9	22.9	24.6	22.9	19.7	17.2
50°	12.2	16.7	22.3	25.6	24.8	21.8	18.5	18.1	17.5	16.4	14.8
47.5°	15.0	20.3	25.1	27.0	23.9	20.8	16.8	16.2	16.2	15.5	14.2
45°	18.0	23.1	28.1	26.3	23.4	20.3	18.6	16.7	16.7	16.8	17.8
42.5°	20.9	25.4	27.9	25.6	23.6	22.7	22.4	20.0	19.8	23.9	25.4
40°	22.8	27.4	27.9	27.5	25.4	27.5	28.1	28.3	29.5	34.0	36.1
37.5°	24.4	28.1	29.9	32.8	30.7	34.0	35.6	52.1	54.2	45.7	62.8
35°	25.7	29.5	37.1	45.4	48.0	42.6	64.4	87.1	95.0	89.9	109.2
32.5°	27.1	31.5	47.0	66.6	84.7	80.1	101.2	140.5	165.7	178.5	193.9
30°	29.9	40.7	62.3	93.8	140.3	168.3	169.9	211.6	257.8	339.9	413.9
27.5°	34.5	52.7	88.4	145.3	217.1	275.4	286.2	313.2	418.9	574.1	769.5
25°	39.9	82.0	118.3	215.3	321.0	386.7	405.7	451.6	635.0	991.1	1184.1
22.5°	54.7	121.0	168.9	296.9	437.6	494.3	534.1	700.7	1032.0	1502.6	1647.5
20°	82.8	166.1	231.8	366.9	555.4	600.6	660.5	1017.8	1548.9	1940.8	2137.8
17.5°	115.9	211.6	294.8	436.1	601.9	685.6	812.4	1380.9	2082.8	2364.3	2569.2
15°	152.9	257.2	349.3	497.0	643.1	742.1	1050.4	1803.1	2534.5	2767.4	2967.9
12.5°	192.5	302.5	396.3	550.0	683.7	794.7	1267.1	2099.9	2751.6	3081.0	3339.3
10°	233.2	346.9	436.6	595.2	723.2	843.0	1469.9	2354.2	2861.4	3134.1	3419.2
7.5°	258.5	375.2	467.4	633.4	760.9	887.0	1653.7	2565.9	2936.9	3150.6	3361.9
5°	277.5	384.9	475.3	650.4	789.0	919.4	1792.2	2734.2	2984.9	3138.0	3262.0
2.5°	291.9	391.5	480.6	659.8	810.2	935.7	1805.3	2760.7	2970.3	3114.0	3199.5
0°	301.5	395.4	483.3	663.6	827.2	946.9	1778.6	2746.7	2937.6	3086.1	3186.1
-2.5°	312.1	406.9	505.1	675.3	828.7	947.3	1753.2	2719.5	2970.0	3169.4	3335.5
-5°	318.5	416.2	523.6	682.5	825.9	943.5	1696.1	2649.7	2966.0	3176.0	3379.5
-7.5°	321.5	423.3	538.1	684.6	814.1	925.4	1599.2	2483.2	2841.2	3037.6	3289.6
-10°	322.6	432.4	544.8	673.9	791.1	897.1	1470.0	2290.8	2712.3	2892.0	3156.8
-12.5°	325.6	443.3	549.1	663.2	767.7	865.7	1312.1	2080.0	2582.4	2740.5	3010.2
-15°	325.7	452.1	552.1	654.1	745.0	831.7	1126.6	1857.1	2511.5	2768.2	2989.9
-17.5°	323.0	458.7	554.4	647.6	724.1	795.3	921.5	1658.2	2466.7	2828.0	3046.6
-20°	317.8	463.4	556.4	645.0	706.5	778.4	878.7	1436.3	2239.1	2855.1	3122.1



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	310.3	466.0	558.2	643.0	712.2	780.2	864.6	1184.9	1922.9	2851.7	3124.3
-25°	306.8	452.9	557.9	642.6	720.7	783.6	848.0	945.7	1583.1	2445.9	3041.6
-27.5°	305.4	437.9	548.3	636.3	728.5	789.2	844.9	924.2	1258.1	1959.9	2871.9
-30°	299.5	413.2	534.4	623.7	720.8	795.6	850.4	900.7	992.7	1541.2	2300.2
-32.5°	285.8	387.4	508.0	605.2	702.3	801.6	852.4	895.7	963.5	1125.8	1742.3
-35°	269.6	366.8	476.7	581.6	676.6	781.1	849.2	894.6	939.2	1017.7	1297.2
-37.5°	255.1	343.2	444.9	550.6	646.0	744.1	841.9	890.0	934.9	990.9	1097.3
-40°	237.7	316.6	414.7	515.2	610.6	705.1	800.0	883.3	928.5	1001.4	1071.5
-42.5°	217.6	294.2	382.4	478.9	570.3	662.9	755.8	845.0	938.5	1011.8	1082.0
-45°	195.7	268.8	348.1	435.8	525.5	615.9	706.1	799.0	911.7	1023.3	1093.7
-47.5°	170.6	240.3	315.7	388.3	474.7	563.2	651.6	748.9	860.7	977.2	1102.8
-50°	144.2	208.5	277.4	344.1	417.5	503.7	590.5	688.3	793.5	906.3	1024.6
-52.5°	120.0	173.4	235.5	299.9	364.0	435.8	522.7	615.7	714.1	820.1	923.4
-55°	93.6	140.8	190.2	250.7	313.6	374.5	445.2	532.3	623.0	719.0	812.3
-57.5°	73.8	107.2	148.7	196.9	256.0	317.6	378.5	444.3	524.6	609.3	687.1
-60°	57.6	79.5	109.7	149.2	192.8	249.5	309.7	369.3	431.5	493.4	560.5
-62.5°	42.7	59.5	78.9	104.5	141.2	179.8	229.9	285.5	343.2	394.7	443.4
-65°	37.9	42.9	56.2	74.0	92.0	123.9	159.3	196.5	244.8	290.0	334.1
-67.5°	32.9	37.5	41.9	48.6	64.4	80.3	96.0	126.8	159.1	188.1	218.9
-70°	29.8	32.4	36.2	40.0	43.7	50.4	64.2	77.7	90.6	106.3	130.6
-72.5°	27.0	29.1	31.5	34.2	37.4	40.5	43.7	47.0	55.1	65.8	75.4
-75°	24.2	25.6	27.4	29.4	31.7	33.9	36.2	38.9	41.7	44.6	47.8
-77.5°	21.5	22.7	23.8	24.9	26.3	28.2	30.1	31.9	33.7	35.4	37.0
-80°	19.0	19.7	20.6	21.4	22.4	23.5	24.7	25.9	27.2	28.5	29.9
-82.5°	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.6	21.4	22.2	23.0
-85°	14.8	15.2	15.5	15.9	16.2	16.5	16.8	17.1	17.3	17.6	17.8
-87.5°	12.7	12.9	13.1	13.2	13.5	13.8	14.1	14.3	14.5	14.6	14.8
-90°	2.6	2.3	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.6	14.0	14.4	14.8	15.2	15.6	16.0	16.3	16.7	16.7	16.7
87.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	0.7
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	2.2	2.1	2.0	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	3.4	3.2	3.0	2.7	2.5	2.3	2.1	1.8	1.5	1.5	1.5
77.5°	4.5	4.2	3.8	3.5	3.1	2.9	2.8	2.7	2.7	2.8	2.9
75°	4.6	4.5	4.8	4.8	4.5	4.4	4.1	3.7	3.1	3.0	3.0
72.5°	9.0	9.3	9.2	9.0	8.3	7.7	7.4	7.1	6.7	6.6	6.5
70°	17.2	17.3	16.6	15.1	12.8	11.3	10.7	9.9	9.0	9.0	9.4
67.5°	26.2	23.9	21.9	19.4	16.2	14.1	13.3	12.5	11.7	11.3	11.2
65°	32.3	25.4	21.6	19.2	17.7	15.9	14.2	12.5	10.9	9.8	9.5
62.5°	31.9	22.3	18.0	16.0	14.4	13.3	11.6	10.2	8.9	8.0	7.9
60°	27.7	18.6	13.8	12.5	11.4	10.6	9.7	8.8	8.1	7.6	7.6
57.5°	21.7	14.4	10.6	10.4	10.0	9.4	8.9	8.4	8.0	7.6	8.0
55°	15.8	12.7	10.7	10.5	10.2	9.6	9.0	8.9	8.8	8.6	9.2
52.5°	13.7	12.5	11.9	11.6	11.0	10.6	10.5	10.5	10.6	10.9	11.1
50°	13.4	12.9	12.6	12.0	11.9	12.0	12.0	12.4	12.9	13.0	13.1
47.5°	14.0	13.8	14.3	13.4	13.7	14.7	14.9	15.3	16.4	16.6	16.6
45°	16.5	18.6	19.2	19.1	18.7	24.3	25.5	23.3	32.0	30.8	24.0
42.5°	25.4	28.1	29.9	35.3	43.4	48.7	62.8	86.3	77.2	58.2	37.6
40°	43.5	42.8	51.0	61.1	67.1	78.0	95.4	117.9	108.8	92.3	98.6
37.5°	76.7	77.6	80.4	93.6	98.4	86.3	111.7	109.9	93.3	119.2	122.3
35°	140.8	155.7	132.3	161.0	167.8	157.5	166.8	184.6	159.6	193.0	203.8
32.5°	253.3	279.1	280.1	286.8	310.7	333.7	340.2	388.0	403.5	443.8	487.2
30°	404.5	452.2	492.7	503.7	535.6	592.5	639.3	731.5	830.1	904.2	1001.6
27.5°	729.2	686.0	776.3	886.3	851.3	933.9	1103.1	1236.1	1432.7	1574.2	1650.6
25°	1179.4	1109.2	1273.8	1441.5	1441.8	1455.9	1700.6	1914.0	2074.9	2202.6	2314.6
22.5°	1710.7	1798.1	1945.6	2140.3	2038.9	2131.4	2374.4	2547.6	2773.1	2994.0	3655.9
20°	2306.2	2483.0	2604.4	2575.3	2570.9	2728.2	2941.9	3276.3	3958.2	6361.9	8657.3
17.5°	2830.9	3045.6	3035.0	2912.7	2970.7	3234.7	3622.6	4921.1	8365.7	16172.3	23478.4
15°	3237.8	3333.5	3270.4	3197.4	3327.0	3722.3	4692.5	8891.3	19344.2	31845.8	46115.4
12.5°	3509.6	3472.0	3306.7	3318.7	3626.7	4182.1	7479.8	17306.7	32421.2	50175.2	86051.6
10°	3614.7	3511.8	3367.2	3501.0	3921.0	5257.9	10060.4	24029.7	46880.9	83792.2	132148.8
7.5°	3543.1	3455.4	3414.7	3651.0	4210.0	6963.4	15638.4	33988.1	67199.7	114799.4	182849.5
5°	3496.8	3438.3	3447.0	3749.5	4392.8	8217.4	19580.6	40252.9	83354.9	144785.2	231359.6
2.5°	3494.1	3459.3	3474.6	3817.9	4495.8	8859.4	21801.4	41296.2	89029.7	161095.7	271052.2
0°	3531.5	3508.8	3495.2	3831.5	4446.6	8231.2	20916.5	42972.3	92922.8	168454.5	288296.3
-2.5°	3706.0	3520.0	3512.2	3830.7	4500.9	8698.3	21434.5	42393.5	91517.6	161653.3	269797.9
-5°	3664.2	3453.9	3420.4	3687.8	4313.5	7832.9	18765.1	39151.5	80388.7	137454.6	222376.8
-7.5°	3498.7	3358.2	3298.5	3511.3	4055.4	6574.5	14552.6	30910.5	60534.2	103608.2	160245.7
-10°	3364.0	3271.3	3183.1	3330.5	3744.0	5024.4	9277.1	20737.0	41175.9	70455.7	102891.0
-12.5°	3293.3	3249.4	3090.4	3131.6	3420.5	3988.5	6491.3	14016.8	25786.5	38258.3	62497.6
-15°	3243.2	3209.9	3061.0	3051.1	3212.6	3548.2	4276.3	7270.5	14420.0	23398.6	33019.9
-17.5°	3197.8	3185.7	3106.8	3021.2	3041.4	3235.9	3636.8	4700.0	7374.4	13081.5	19300.3
-20°	3219.7	3226.7	3166.5	3077.0	3045.2	3070.4	3278.6	3645.0	4322.4	6629.6	9447.0



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3212.8	3233.4	3217.2	3223.6	3185.2	3126.7	3085.4	3245.4	3501.7	3912.0	4954.0
-25°	3212.1	3240.5	3360.7	3514.8	3498.8	3359.1	3212.7	3085.9	3232.6	3409.8	3668.4
-27.5°	3164.6	3348.5	3648.0	3875.2	3940.3	3787.2	3582.5	3369.5	3346.0	3340.4	3439.9
-30°	3149.0	3544.1	3897.5	4221.2	4266.9	4189.7	4094.9	3943.1	3780.2	3690.0	3641.9
-32.5°	2673.8	3630.5	4062.6	4353.8	4425.9	4422.5	4443.8	4371.8	4320.9	4262.6	4180.2
-35°	2029.9	3033.9	4091.7	4226.0	4343.3	4448.0	4587.9	4623.7	4651.9	4684.2	4713.0
-37.5°	1417.5	2200.1	3079.0	3845.8	4089.5	4271.5	4519.5	4701.4	4852.7	4927.8	5018.0
-40°	1174.2	1390.5	2071.4	2719.5	3358.1	3947.1	4214.2	4524.2	4814.1	4975.3	5122.7
-42.5°	1150.1	1227.1	1308.9	1760.9	2301.4	2857.3	3403.4	3898.6	4426.1	4777.8	5036.5
-45°	1157.9	1196.8	1244.6	1323.9	1408.6	1832.8	2290.4	2757.5	3334.0	3897.2	4388.8
-47.5°	1156.9	1192.4	1230.2	1268.7	1319.2	1398.3	1479.6	1611.8	2020.5	2452.8	2871.0
-50°	1116.9	1189.0	1224.2	1260.1	1296.9	1336.0	1377.1	1435.1	1504.3	1569.0	1621.5
-52.5°	1015.7	1100.7	1182.4	1250.8	1284.5	1318.9	1355.3	1403.6	1449.0	1491.6	1513.7
-55°	901.3	985.9	1068.7	1142.1	1211.5	1278.4	1340.4	1384.6	1429.9	1476.0	1494.9
-57.5°	769.8	855.2	937.3	1005.9	1075.1	1144.3	1208.6	1270.2	1331.7	1390.0	1422.5
-60°	629.9	701.2	774.7	845.0	912.3	976.2	1036.0	1094.5	1150.4	1199.3	1230.1
-62.5°	492.4	548.6	610.6	671.6	730.7	787.8	843.0	895.5	945.2	986.9	1016.0
-65°	377.0	418.8	461.6	505.5	550.5	599.6	645.9	689.8	730.8	764.8	790.1
-67.5°	256.0	292.3	326.9	359.5	392.4	427.1	462.2	495.3	526.1	551.1	570.8
-70°	153.9	176.6	198.5	221.9	248.4	273.6	298.5	322.0	343.9	361.0	373.9
-72.5°	83.9	92.1	103.0	120.9	137.6	153.0	167.1	179.9	191.4	200.8	208.6
-75°	51.0	55.2	61.8	68.2	74.3	80.3	85.9	91.1	95.7	99.7	103.0
-77.5°	39.1	41.3	43.4	45.4	47.2	49.3	51.3	53.1	54.9	56.4	57.8
-80°	31.2	32.5	33.7	34.8	35.9	37.2	38.4	39.7	40.9	41.7	42.5
-82.5°	23.8	25.0	26.1	27.2	28.1	28.8	29.5	30.2	30.8	31.5	32.1
-85°	18.1	18.9	19.8	20.7	21.6	21.8	22.1	22.2	22.4	22.9	23.3
-87.5°	14.9	15.3	15.7	16.1	16.6	17.0	17.4	17.8	18.1	18.5	18.9
-90°	1.5	1.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.3
87.5°	0.4	0.0	0.7	1.5	0.7	0.0	0.4	0.7	1.1	1.4	1.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
77.5°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7
75°	3.0	3.0	3.7	4.5	3.7	3.0	3.0	3.0	3.0	3.1	3.7
72.5°	6.3	6.0	6.1	6.1	6.1	6.0	6.3	6.5	6.6	6.7	7.1
70°	9.9	10.4	10.6	10.6	10.6	10.4	9.9	9.4	9.0	9.0	9.9
67.5°	11.0	10.7	9.2	7.6	9.2	10.7	11.0	11.2	11.3	11.7	12.5
65°	9.3	9.2	8.4	7.6	8.4	9.2	9.3	9.5	9.8	10.9	12.5
62.5°	7.8	7.7	7.6	7.6	7.6	7.7	7.8	7.9	8.0	8.9	10.2
60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	8.1	8.8
57.5°	8.4	8.9	9.1	9.1	9.1	8.9	8.4	8.0	7.6	8.0	8.4
55°	9.8	10.3	10.6	10.6	10.6	10.3	9.8	9.2	8.6	8.8	8.9
52.5°	11.1	10.8	11.1	12.1	11.1	10.8	11.1	11.1	10.9	10.6	10.5
50°	13.2	13.4	13.6	13.6	13.6	13.4	13.2	13.1	13.0	12.9	12.4
47.5°	16.8	16.7	16.6	16.7	16.6	16.7	16.8	16.6	16.6	16.4	15.3
45°	24.9	25.3	26.0	27.3	26.0	25.3	24.9	24.0	30.8	32.0	23.3
42.5°	39.3	40.1	40.6	40.9	40.6	40.1	39.3	37.6	58.2	77.2	86.3
40°	93.6	74.4	55.7	56.1	55.7	74.4	93.6	98.6	92.3	108.8	117.9
37.5°	107.5	97.7	93.8	92.4	93.8	97.7	107.5	122.3	119.2	93.3	109.9
35°	203.5	207.1	202.4	204.5	202.4	207.1	203.5	203.8	193.0	159.6	184.6
32.5°	501.0	521.4	514.1	516.6	514.1	521.4	501.0	487.2	443.8	403.5	388.0
30°	1040.8	1103.4	1117.5	1113.5	1117.5	1103.4	1040.8	1001.6	904.2	830.1	731.5
27.5°	1681.4	1731.0	1741.2	1731.7	1741.2	1731.0	1681.4	1650.6	1574.2	1432.7	1236.1
25°	2376.5	2423.7	2450.4	2437.7	2450.4	2423.7	2376.5	2314.6	2202.6	2074.9	1914.0
22.5°	4422.4	4637.1	4741.8	4884.5	4741.8	4637.1	4422.4	3655.9	2994.0	2773.1	2547.6
20°	13042.7	14525.3	14244.3	13938.3	14244.3	14525.3	13042.7	8657.3	6361.9	3958.2	3276.3
17.5°	32556.2	39846.0	43317.3	41904.2	43317.3	39846.0	32556.2	23478.4	16172.3	8365.7	4921.1
15°	66586.9	86954.8	98863.8	95684.7	98863.8	86954.8	66586.9	46115.4	31845.8	19344.2	8891.3
12.5°	120622.7	152993.3	177792.4	181342.2	177792.4	152993.3	120622.7	86051.6	50175.2	32421.2	17306.7
10°	189698.1	249516.2	298812.5	314907.8	298812.5	249516.2	189698.1	132148.8	83792.2	46880.9	24029.7
7.5°	272032.6	351885.7	408738.2	424540.7	408738.2	351885.7	272032.6	182849.5	114799.4	67199.7	33988.1
5°	338066.2	429966.3	492923.8	512261.5	492923.8	429966.3	338066.2	231359.6	144785.2	83354.9	40252.9
2.5°	387527.1	483921.8	554126.3	586204.8	554126.3	483921.8	387527.1	271052.2	161095.7	89029.7	41296.2
0°	406687.5	503825.9	582549.8	628138.5	582549.8	503825.9	406687.5	288296.3	168454.5	92922.8	42972.3
-2.5°	387944.3	478255.8	538878.3	568772.8	538878.3	478255.8	387944.3	269797.9	161653.3	91517.6	42393.5
-5°	322976.2	402889.8	455168.6	476273.5	455168.6	402889.8	322976.2	222376.8	137454.6	80388.7	39151.5
-7.5°	231420.3	297019.8	335987.7	353770.6	335987.7	297019.8	231420.3	160245.7	103608.2	60534.2	30910.5
-10°	150351.5	186661.7	225952.1	234361.3	225952.1	186661.7	150351.5	102891.0	70455.7	41175.9	20737.0
-12.5°	84704.3	107616.6	127144.0	134191.4	127144.0	107616.6	84704.3	62497.6	38258.3	25786.5	14016.8
-15°	45827.8	58882.3	65916.2	67646.0	65916.2	58882.3	45827.8	33019.9	23398.6	14420.0	7270.5
-17.5°	26311.3	32582.3	36170.7	37818.1	36170.7	32582.3	26311.3	19300.3	13081.5	7374.4	4700.0
-20°	14060.1	17598.5	19618.8	21105.9	19618.8	17598.5	14060.1	9447.0	6629.6	4322.4	3645.0



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6458.0	7548.6	8164.9	8861.4	8164.9	7548.6	6458.0	4954.0	3912.0	3501.7	3245.4
-25°	3893.1	4039.8	4128.2	4199.7	4128.2	4039.8	3893.1	3668.4	3409.8	3232.6	3085.9
-27.5°	3525.3	3573.3	3601.1	3630.0	3601.1	3573.3	3525.3	3439.9	3340.4	3346.0	3369.5
-30°	3600.5	3551.8	3534.9	3516.4	3534.9	3551.8	3600.5	3641.9	3690.0	3780.2	3943.1
-32.5°	4097.4	4002.8	3952.0	3904.2	3952.0	4002.8	4097.4	4180.2	4262.6	4320.9	4371.8
-35°	4701.9	4659.3	4636.9	4608.7	4636.9	4659.3	4701.9	4713.0	4684.2	4651.9	4623.7
-37.5°	5033.2	5025.7	5024.4	5010.2	5024.4	5025.7	5033.2	5018.0	4927.8	4852.7	4701.4
-40°	5139.7	5136.8	5129.4	5122.3	5129.4	5136.8	5139.7	5122.7	4975.3	4814.1	4524.2
-42.5°	5105.4	5151.1	5173.1	5173.8	5173.1	5151.1	5105.4	5036.5	4777.8	4426.1	3898.6
-45°	4702.1	4935.0	5070.6	5107.2	5070.6	4935.0	4702.1	4388.8	3897.2	3334.0	2757.5
-47.5°	3243.4	3572.0	3825.2	3984.5	3825.2	3572.0	3243.4	2871.0	2452.8	2020.5	1611.8
-50°	1667.2	1710.0	1753.2	1795.3	1753.2	1710.0	1667.2	1621.5	1569.0	1504.3	1435.1
-52.5°	1531.4	1549.2	1560.4	1566.5	1560.4	1549.2	1531.4	1513.7	1491.6	1449.0	1403.6
-55°	1512.0	1528.5	1536.7	1539.3	1536.7	1528.5	1512.0	1494.9	1476.0	1429.9	1384.6
-57.5°	1450.6	1473.7	1487.5	1493.8	1487.5	1473.7	1450.6	1422.5	1390.0	1331.7	1270.2
-60°	1255.9	1276.5	1290.4	1298.4	1290.4	1276.5	1255.9	1230.1	1199.3	1150.4	1094.5
-62.5°	1040.1	1059.2	1069.9	1074.2	1069.9	1059.2	1040.1	1016.0	986.9	945.2	895.5
-65°	811.1	827.6	844.3	857.5	844.3	827.6	811.1	790.1	764.8	730.8	689.8
-67.5°	587.4	600.7	615.4	627.2	615.4	600.7	587.4	570.8	551.1	526.1	495.3
-70°	384.0	391.3	403.3	413.6	403.3	391.3	384.0	373.9	361.0	343.9	322.0
-72.5°	214.8	219.5	228.3	236.3	228.3	219.5	214.8	208.6	200.8	191.4	179.9
-75°	105.7	107.9	108.8	109.1	108.8	107.9	105.7	103.0	99.7	95.7	91.1
-77.5°	59.1	60.2	60.5	60.6	60.5	60.2	59.1	57.8	56.4	54.9	53.1
-80°	43.1	43.7	44.6	45.5	44.6	43.7	43.1	42.5	41.7	40.9	39.7
-82.5°	32.7	33.2	33.3	33.3	33.3	33.2	32.7	32.1	31.5	30.8	30.2
-85°	23.7	24.2	24.2	24.2	24.2	24.2	23.7	23.3	22.9	22.4	22.2
-87.5°	19.3	19.7	19.7	19.7	19.7	19.7	19.3	18.9	18.5	18.1	17.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.0	15.6	15.2	14.8	14.4	14.0	13.6	13.2	12.9	12.5	12.1
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.0	2.1
82.5°	1.5	1.5	1.5	1.8	2.0	2.1	2.2	2.3	2.5	2.7	3.0
80°	2.1	2.3	2.5	2.7	3.0	3.2	3.4	3.3	3.1	3.0	3.1
77.5°	2.8	2.9	3.1	3.5	3.8	4.2	4.5	4.4	4.2	4.0	3.8
75°	4.1	4.4	4.5	4.8	4.8	4.5	4.6	4.9	5.0	5.0	4.8
72.5°	7.4	7.7	8.3	9.0	9.2	9.3	9.0	8.3	7.5	6.7	6.0
70°	10.7	11.3	12.8	15.1	16.6	17.3	17.2	15.7	13.0	11.0	9.4
67.5°	13.3	14.1	16.2	19.4	21.9	23.9	26.2	27.6	26.7	23.7	16.7
65°	14.2	15.9	17.7	19.2	21.6	25.4	32.3	36.0	37.3	36.4	28.7
62.5°	11.6	13.3	14.4	16.0	18.0	22.3	31.9	39.4	45.0	44.7	35.9
60°	9.7	10.6	11.4	12.5	13.8	18.6	27.7	38.2	50.0	46.6	39.4
57.5°	8.9	9.4	10.0	10.4	10.6	14.4	21.7	31.5	42.8	42.1	38.2
55°	9.0	9.6	10.2	10.5	10.7	12.7	15.8	21.9	30.7	33.0	31.5
52.5°	10.5	10.6	11.0	11.6	11.9	12.5	13.7	17.2	19.7	22.9	24.6
50°	12.0	12.0	11.9	12.0	12.6	12.9	13.4	14.8	16.4	17.5	18.1
47.5°	14.9	14.7	13.7	13.4	14.3	13.8	14.0	14.2	15.5	16.2	16.2
45°	25.5	24.3	18.7	19.1	19.2	18.6	16.5	17.8	16.8	16.7	16.7
42.5°	62.8	48.7	43.4	35.3	29.9	28.1	25.4	25.4	23.9	19.8	20.0
40°	95.4	78.0	67.1	61.1	51.0	42.8	43.5	36.1	34.0	29.5	28.3
37.5°	111.7	86.3	98.4	93.6	80.4	77.6	76.7	62.8	45.7	54.2	52.1
35°	166.8	157.5	167.8	161.0	132.3	155.7	140.8	109.2	89.9	95.0	87.1
32.5°	340.2	333.7	310.7	286.8	280.1	279.1	253.3	193.9	178.5	165.7	140.5
30°	639.3	592.5	535.6	503.7	492.7	452.2	404.5	413.9	339.9	257.8	211.6
27.5°	1103.1	933.9	851.3	886.3	776.3	686.0	729.2	769.5	574.1	418.9	313.2
25°	1700.6	1455.9	1441.8	1441.5	1273.8	1109.2	1179.4	1184.1	991.1	635.0	451.6
22.5°	2374.4	2131.4	2038.9	2140.3	1945.6	1798.1	1710.7	1647.5	1502.6	1032.0	700.7
20°	2941.9	2728.2	2570.9	2575.3	2604.4	2483.0	2306.2	2137.8	1940.8	1548.9	1017.8
17.5°	3622.6	3234.7	2970.7	2912.7	3035.0	3045.6	2830.9	2569.2	2364.3	2082.8	1380.9
15°	4692.5	3722.3	3327.0	3197.4	3270.4	3333.5	3237.8	2967.9	2767.4	2534.5	1803.1
12.5°	7479.8	4182.1	3626.7	3318.7	3306.7	3472.0	3509.6	3339.3	3081.0	2751.6	2099.9
10°	10060.4	5257.9	3921.0	3501.0	3367.2	3511.8	3614.7	3419.2	3134.1	2861.4	2354.2
7.5°	15638.4	6963.4	4210.0	3651.0	3414.7	3455.4	3543.1	3361.9	3150.6	2936.9	2565.9
5°	19580.6	8217.4	4392.8	3749.5	3447.0	3438.3	3496.8	3262.0	3138.0	2984.9	2734.2
2.5°	21801.4	8859.4	4495.8	3817.9	3474.6	3459.3	3494.1	3199.5	3114.0	2970.3	2760.7
0°	20916.5	8231.2	4446.6	3831.5	3495.2	3508.8	3531.5	3186.1	3086.1	2937.6	2746.7
-2.5°	21434.5	8698.3	4500.9	3830.7	3512.2	3520.0	3706.0	3335.5	3169.4	2970.0	2719.5
-5°	18765.1	7832.9	4313.5	3687.8	3420.4	3453.9	3664.2	3379.5	3176.0	2966.0	2649.7
-7.5°	14552.6	6574.5	4055.4	3511.3	3298.5	3358.2	3498.7	3289.6	3037.6	2841.2	2483.2
-10°	9277.1	5024.4	3744.0	3330.5	3183.1	3271.3	3364.0	3156.8	2892.0	2712.3	2290.8
-12.5°	6491.3	3988.5	3420.5	3131.6	3090.4	3249.4	3293.3	3010.2	2740.5	2582.4	2080.0
-15°	4276.3	3548.2	3212.6	3051.1	3061.0	3209.9	3243.2	2989.9	2768.2	2511.5	1857.1
-17.5°	3636.8	3235.9	3041.4	3021.2	3106.8	3185.7	3197.8	3046.6	2828.0	2466.7	1658.2
-20°	3278.6	3070.4	3045.2	3077.0	3166.5	3226.7	3219.7	3122.1	2855.1	2239.1	1436.3



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3085.4	3126.7	3185.2	3223.6	3217.2	3233.4	3212.8	3124.3	2851.7	1922.9	1184.9
-25°	3212.7	3359.1	3498.8	3514.8	3360.7	3240.5	3212.1	3041.6	2445.9	1583.1	945.7
-27.5°	3582.5	3787.2	3940.3	3875.2	3648.0	3348.5	3164.6	2871.9	1959.9	1258.1	924.2
-30°	4094.9	4189.7	4266.9	4221.2	3897.5	3544.1	3149.0	2300.2	1541.2	992.7	900.7
-32.5°	4443.8	4422.5	4425.9	4353.8	4062.6	3630.5	2673.8	1742.3	1125.8	963.5	895.7
-35°	4587.9	4448.0	4343.3	4226.0	4091.7	3033.9	2029.9	1297.2	1017.7	939.2	894.6
-37.5°	4519.5	4271.5	4089.5	3845.8	3079.0	2200.1	1417.5	1097.3	990.9	934.9	890.0
-40°	4214.2	3947.1	3358.1	2719.5	2071.4	1390.5	1174.2	1071.5	1001.4	928.5	883.3
-42.5°	3403.4	2857.3	2301.4	1760.9	1308.9	1227.1	1150.1	1082.0	1011.8	938.5	845.0
-45°	2290.4	1832.8	1408.6	1323.9	1244.6	1196.8	1157.9	1093.7	1023.3	911.7	799.0
-47.5°	1479.6	1398.3	1319.2	1268.7	1230.2	1192.4	1156.9	1102.8	977.2	860.7	748.9
-50°	1377.1	1336.0	1296.9	1260.1	1224.2	1189.0	1116.9	1024.6	906.3	793.5	688.3
-52.5°	1355.3	1318.9	1284.5	1250.8	1182.4	1100.7	1015.7	923.4	820.1	714.1	615.7
-55°	1340.4	1278.4	1211.5	1142.1	1068.7	985.9	901.3	812.3	719.0	623.0	532.3
-57.5°	1208.6	1144.3	1075.1	1005.9	937.3	855.2	769.8	687.1	609.3	524.6	444.3
-60°	1036.0	976.2	912.3	845.0	774.7	701.2	629.9	560.5	493.4	431.5	369.3
-62.5°	843.0	787.8	730.7	671.6	610.6	548.6	492.4	443.4	394.7	343.2	285.5
-65°	645.9	599.6	550.5	505.5	461.6	418.8	377.0	334.1	290.0	244.8	196.5
-67.5°	462.2	427.1	392.4	359.5	326.9	292.3	256.0	218.9	188.1	159.1	126.8
-70°	298.5	273.6	248.4	221.9	198.5	176.6	153.9	130.6	106.3	90.6	77.7
-72.5°	167.1	153.0	137.6	120.9	103.0	92.1	83.9	75.4	65.8	55.1	47.0
-75°	85.9	80.3	74.3	68.2	61.8	55.2	51.0	47.8	44.6	41.7	38.9
-77.5°	51.3	49.3	47.2	45.4	43.4	41.3	39.1	37.0	35.4	33.7	31.9
-80°	38.4	37.2	35.9	34.8	33.7	32.5	31.2	29.9	28.5	27.2	25.9
-82.5°	29.5	28.8	28.1	27.2	26.1	25.0	23.8	23.0	22.2	21.4	20.6
-85°	22.1	21.8	21.6	20.7	19.8	18.9	18.1	17.8	17.6	17.3	17.1
-87.5°	17.4	17.0	16.6	16.1	15.7	15.3	14.9	14.8	14.6	14.5	14.3
-90°	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.7	11.4	11.0	10.6	10.6	10.6	10.6	10.6	9.9	9.1	8.4
87.5°	1.8	2.0	2.2	2.4	2.5	2.6	2.8	3.0	3.1	3.3	3.3
85°	2.3	2.5	2.7	3.0	3.0	3.0	3.0	3.0	3.3	3.5	3.7
82.5°	3.0	2.9	2.9	3.0	3.2	3.4	3.4	3.4	3.6	3.8	4.0
80°	3.3	3.5	3.5	3.5	3.6	3.8	4.0	4.1	4.2	4.4	4.5
77.5°	3.8	4.0	4.2	4.3	4.2	4.2	4.3	4.6	4.8	4.9	5.0
75°	4.5	4.4	4.4	4.6	4.6	4.5	4.4	4.6	5.0	5.4	5.5
72.5°	5.6	5.2	4.9	4.7	4.9	5.0	4.8	4.7	5.1	5.4	5.8
70°	7.7	6.4	5.8	5.5	5.4	5.5	5.4	5.2	5.1	5.5	5.9
67.5°	10.6	8.8	7.3	6.3	5.9	5.8	6.0	5.9	5.7	5.5	5.9
65°	20.4	13.7	9.0	7.7	6.7	6.0	6.1	6.4	6.3	6.1	5.9
62.5°	28.0	20.8	14.4	9.9	7.7	6.7	6.2	6.7	6.9	6.6	6.3
60°	33.1	25.2	19.3	14.1	9.8	7.5	6.8	6.9	7.2	7.1	6.7
57.5°	31.7	27.5	23.2	17.8	12.7	8.9	7.6	7.5	7.6	7.6	7.2
55°	27.8	24.4	25.4	21.5	15.6	10.8	8.8	8.2	8.1	8.0	7.6
52.5°	22.9	22.9	25.0	24.1	19.1	13.0	10.6	9.0	8.7	8.5	8.1
50°	18.5	21.8	24.8	25.6	22.3	16.7	12.2	10.3	9.4	9.0	8.6
47.5°	16.8	20.8	23.9	27.0	25.1	20.3	15.0	11.7	10.0	9.6	9.1
45°	18.6	20.3	23.4	26.3	28.1	23.1	18.0	13.0	11.1	10.2	9.7
42.5°	22.4	22.7	23.6	25.6	27.9	25.4	20.9	15.3	12.1	10.7	10.2
40°	28.1	27.5	25.4	27.5	27.9	27.4	22.8	17.7	13.1	11.4	10.7
37.5°	35.6	34.0	30.7	32.8	29.9	28.1	24.4	19.9	14.5	12.4	11.1
35°	64.4	42.6	48.0	45.4	37.1	29.5	25.7	21.7	16.7	13.3	11.6
32.5°	101.2	80.1	84.7	66.6	47.0	31.5	27.1	23.5	18.8	14.3	12.0
30°	169.9	168.3	140.3	93.8	62.3	40.7	29.9	25.8	20.8	15.3	12.6
27.5°	286.2	275.4	217.1	145.3	88.4	52.7	34.5	28.3	22.6	16.6	13.4
25°	405.7	386.7	321.0	215.3	118.3	82.0	39.9	31.2	24.6	18.2	14.2
22.5°	534.1	494.3	437.6	296.9	168.9	121.0	54.7	35.5	26.8	19.7	15.0
20°	660.5	600.6	555.4	366.9	231.8	166.1	82.8	40.1	29.1	21.0	15.8
17.5°	812.4	685.6	601.9	436.1	294.8	211.6	115.9	45.1	31.4	22.3	16.5
15°	1050.4	742.1	643.1	497.0	349.3	257.2	152.9	50.3	33.8	23.5	17.2
12.5°	1267.1	794.7	683.7	550.0	396.3	302.5	192.5	55.5	36.2	24.6	17.7
10°	1469.9	843.0	723.2	595.2	436.6	346.9	233.2	60.7	38.4	25.6	18.3
7.5°	1653.7	887.0	760.9	633.4	467.4	375.2	258.5	65.7	40.5	26.6	18.7
5°	1792.2	919.4	789.0	650.4	475.3	384.9	277.5	70.5	42.4	27.4	19.1
2.5°	1805.3	935.7	810.2	659.8	480.6	391.5	291.9	74.9	44.1	28.2	19.4
0°	1778.6	946.9	827.2	663.6	483.3	395.4	301.5	78.8	45.5	28.8	19.7
-2.5°	1753.2	947.3	828.7	675.3	505.1	406.9	312.1	101.4	60.0	37.0	23.5
-5°	1696.1	943.5	825.9	682.5	523.6	416.2	318.5	122.8	74.0	44.8	27.1
-7.5°	1599.2	925.4	814.1	684.6	538.1	423.3	321.5	142.6	86.9	52.0	30.4
-10°	1470.0	897.1	791.1	673.9	544.8	432.4	322.6	160.5	98.6	58.5	33.4
-12.5°	1312.1	865.7	767.7	663.2	549.1	443.3	325.6	175.5	108.9	64.1	36.0
-15°	1126.6	831.7	745.0	654.1	552.1	452.1	325.7	187.8	118.1	69.5	38.1
-17.5°	921.5	795.3	724.1	647.6	554.4	458.7	323.0	197.3	125.6	74.7	40.4
-20°	878.7	778.4	706.5	645.0	556.4	463.4	317.8	203.7	131.2	78.5	42.7



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	864.6	780.2	712.2	643.0	558.2	466.0	310.3	207.0	134.9	80.9	44.0
-25°	848.0	783.6	720.7	642.6	557.9	452.9	306.8	206.8	136.4	81.6	44.3
-27.5°	844.9	789.2	728.5	636.3	548.3	437.9	305.4	207.8	136.2	80.7	43.5
-30°	850.4	795.6	720.8	623.7	534.4	413.2	299.5	206.1	135.0	79.2	41.4
-32.5°	852.4	801.6	702.3	605.2	508.0	387.4	285.8	201.5	131.3	76.9	40.3
-35°	849.2	781.1	676.6	581.6	476.7	366.8	269.6	193.7	125.1	72.8	39.1
-37.5°	841.9	744.1	646.0	550.6	444.9	343.2	255.1	181.4	116.4	66.9	37.1
-40°	800.0	705.1	610.6	515.2	414.7	316.6	237.7	167.1	107.4	59.2	34.3
-42.5°	755.8	662.9	570.3	478.9	382.4	294.2	217.6	150.1	95.7	53.4	30.7
-45°	706.1	615.9	525.5	435.8	348.1	268.8	195.7	131.1	82.1	48.4	27.8
-47.5°	651.6	563.2	474.7	388.3	315.7	240.3	170.6	113.8	67.0	42.3	26.6
-50°	590.5	503.7	417.5	344.1	277.4	208.5	144.2	94.5	58.5	35.0	25.3
-52.5°	522.7	435.8	364.0	299.9	235.5	173.4	120.0	74.4	49.1	31.3	23.7
-55°	445.2	374.5	313.6	250.7	190.2	140.8	93.6	62.4	38.9	29.2	22.1
-57.5°	378.5	317.6	256.0	196.9	148.7	107.2	73.8	49.4	34.3	26.9	20.9
-60°	309.7	249.5	192.8	149.2	109.7	79.5	57.6	38.9	31.3	24.6	19.7
-62.5°	229.9	179.8	141.2	104.5	78.9	59.5	42.7	35.2	28.2	23.1	18.4
-65°	159.3	123.9	92.0	74.0	56.2	42.9	37.9	31.2	26.1	21.6	17.3
-67.5°	96.0	80.3	64.4	48.6	41.9	37.5	32.9	28.6	24.3	20.0	16.6
-70°	64.2	50.4	43.7	40.0	36.2	32.4	29.8	26.5	22.5	18.9	15.8
-72.5°	43.7	40.5	37.4	34.2	31.5	29.1	27.0	24.4	20.9	17.7	14.9
-75°	36.2	33.9	31.7	29.4	27.4	25.6	24.2	22.2	19.2	16.4	13.8
-77.5°	30.1	28.2	26.3	24.9	23.8	22.7	21.5	20.0	17.4	15.0	12.6
-80°	24.7	23.5	22.4	21.4	20.6	19.7	19.0	18.1	15.8	13.6	11.4
-82.5°	19.9	19.4	18.9	18.4	17.9	17.4	16.9	16.3	14.2	12.2	10.3
-85°	16.8	16.5	16.2	15.9	15.5	15.2	14.8	14.4	12.7	11.1	9.7
-87.5°	14.1	13.8	13.5	13.2	13.1	12.9	12.7	12.5	11.3	10.1	9.0
-90°	1.5	1.5	1.5	1.5	1.9	2.3	2.6	3.0	3.0	3.0	3.0



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.6	6.8	6.1	5.3	4.5	4.5	4.5
87.5°	3.4	3.6	3.9	4.2	4.5	4.5	4.5
85°	3.8	3.9	4.0	4.2	4.5	4.6	4.5
82.5°	4.2	4.1	4.1	4.3	4.5	4.6	4.5
80°	4.5	4.3	4.3	4.3	4.5	4.6	4.5
77.5°	5.0	4.6	4.4	4.4	4.5	4.7	4.5
75°	5.4	5.0	4.5	4.4	4.5	4.7	4.5
72.5°	5.8	5.3	4.8	4.5	4.5	4.8	4.5
70°	6.1	5.6	5.1	4.5	4.6	4.8	4.5
67.5°	6.1	5.9	5.3	4.7	4.6	4.8	4.5
65°	6.2	6.2	5.6	4.9	4.6	4.9	4.5
62.5°	6.3	6.3	5.8	5.1	4.7	4.9	4.5
60°	6.4	6.4	6.1	5.3	4.7	5.0	4.5
57.5°	6.7	6.5	6.2	5.5	4.9	5.0	4.5
55°	7.1	6.7	6.4	5.6	5.0	5.0	4.5
52.5°	7.5	6.9	6.6	5.8	5.2	5.1	4.5
50°	7.9	7.2	6.7	6.0	5.3	5.1	4.5
47.5°	8.2	7.5	6.9	6.1	5.5	5.2	4.5
45°	8.7	7.8	7.1	6.3	5.6	5.2	4.5
42.5°	9.2	8.1	7.3	6.4	5.8	5.3	4.5
40°	9.7	8.4	7.5	6.6	5.9	5.3	4.5
37.5°	10.2	8.6	7.7	6.8	6.0	5.4	4.5
35°	10.7	9.0	7.9	7.0	6.2	5.4	4.5
32.5°	11.2	9.4	8.1	7.2	6.3	5.5	4.5
30°	11.6	9.8	8.3	7.4	6.4	5.5	4.5
27.5°	11.9	10.2	8.5	7.5	6.6	5.6	4.5
25°	12.3	10.6	8.8	7.7	6.7	5.6	4.5
22.5°	12.6	11.0	9.0	7.9	6.8	5.7	4.5
20°	13.0	11.2	9.2	8.1	6.9	5.7	4.5
17.5°	13.3	11.5	9.4	8.2	7.0	5.8	4.5
15°	13.5	11.7	9.6	8.4	7.1	5.8	4.5
12.5°	13.8	11.8	9.8	8.5	7.2	5.9	4.5
10°	14.1	11.9	10.0	8.6	7.3	5.9	4.5
7.5°	14.4	12.0	10.2	8.8	7.4	6.0	4.5
5°	14.7	12.1	10.3	8.9	7.5	6.0	4.5
2.5°	15.0	12.1	10.5	9.0	7.5	6.1	4.5
0°	15.2	12.1	10.6	9.1	7.6	6.1	4.5
-2.5°	16.6	12.8	10.9	9.2	7.7	6.1	4.5
-5°	17.9	13.4	11.1	9.3	7.7	6.2	4.5
-7.5°	19.2	14.0	11.3	9.4	7.8	6.2	4.5
-10°	20.3	14.6	11.5	9.4	7.8	6.2	4.5
-12.5°	21.4	15.1	11.7	9.5	7.9	6.2	4.5
-15°	22.2	15.5	11.9	9.5	7.9	6.2	4.5
-17.5°	22.9	15.8	12.0	9.6	7.9	6.2	4.5
-20°	23.7	16.1	12.1	9.6	7.9	6.2	4.5



REPORT NUMBER: P731714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.5	16.3	12.1	9.6	7.9	6.2	4.5
-25°	24.8	16.4	12.1	9.6	8.0	6.2	4.5
-27.5°	24.8	16.5	12.1	9.6	8.0	6.2	4.5
-30°	24.2	16.5	12.0	9.6	7.9	6.2	4.5
-32.5°	23.2	16.4	12.0	9.6	7.9	6.2	4.5
-35°	22.6	16.1	11.9	9.6	7.9	6.2	4.5
-37.5°	22.3	15.9	11.8	9.5	7.9	6.1	4.5
-40°	21.8	15.7	11.7	9.5	7.9	6.1	4.5
-42.5°	21.2	15.5	11.6	9.5	7.8	6.1	4.5
-45°	20.4	15.2	11.6	9.4	7.8	6.0	4.5
-47.5°	19.4	14.8	11.5	9.4	7.7	6.0	4.5
-50°	18.8	14.3	11.4	9.3	7.7	5.9	4.5
-52.5°	18.1	13.8	11.3	9.2	7.6	5.8	4.5
-55°	17.3	13.5	11.1	9.1	7.5	5.8	4.5
-57.5°	16.4	13.2	10.9	9.0	7.5	5.7	4.5
-60°	15.4	12.9	10.7	8.8	7.4	5.6	4.5
-62.5°	15.0	12.6	10.4	8.6	7.2	5.5	4.5
-65°	14.5	12.2	10.1	8.4	7.0	5.5	4.5
-67.5°	13.9	11.7	9.7	8.2	6.8	5.4	4.5
-70°	13.3	11.1	9.3	8.0	6.6	5.3	4.5
-72.5°	12.4	10.4	8.8	7.6	6.3	5.2	4.5
-75°	11.4	9.7	8.4	7.3	6.1	5.1	4.5
-77.5°	10.3	9.0	8.0	7.0	5.8	5.0	4.5
-80°	9.2	8.4	7.6	6.7	5.6	4.9	4.5
-82.5°	8.7	8.0	7.2	6.3	5.3	4.8	4.5
-85°	8.4	7.6	6.8	6.0	5.0	4.7	4.5
-87.5°	8.0	7.2	6.4	5.6	4.8	4.6	4.5
-90°	3.0	3.4	3.8	4.1	4.5	4.5	4.5

(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

