

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: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-2S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-2S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

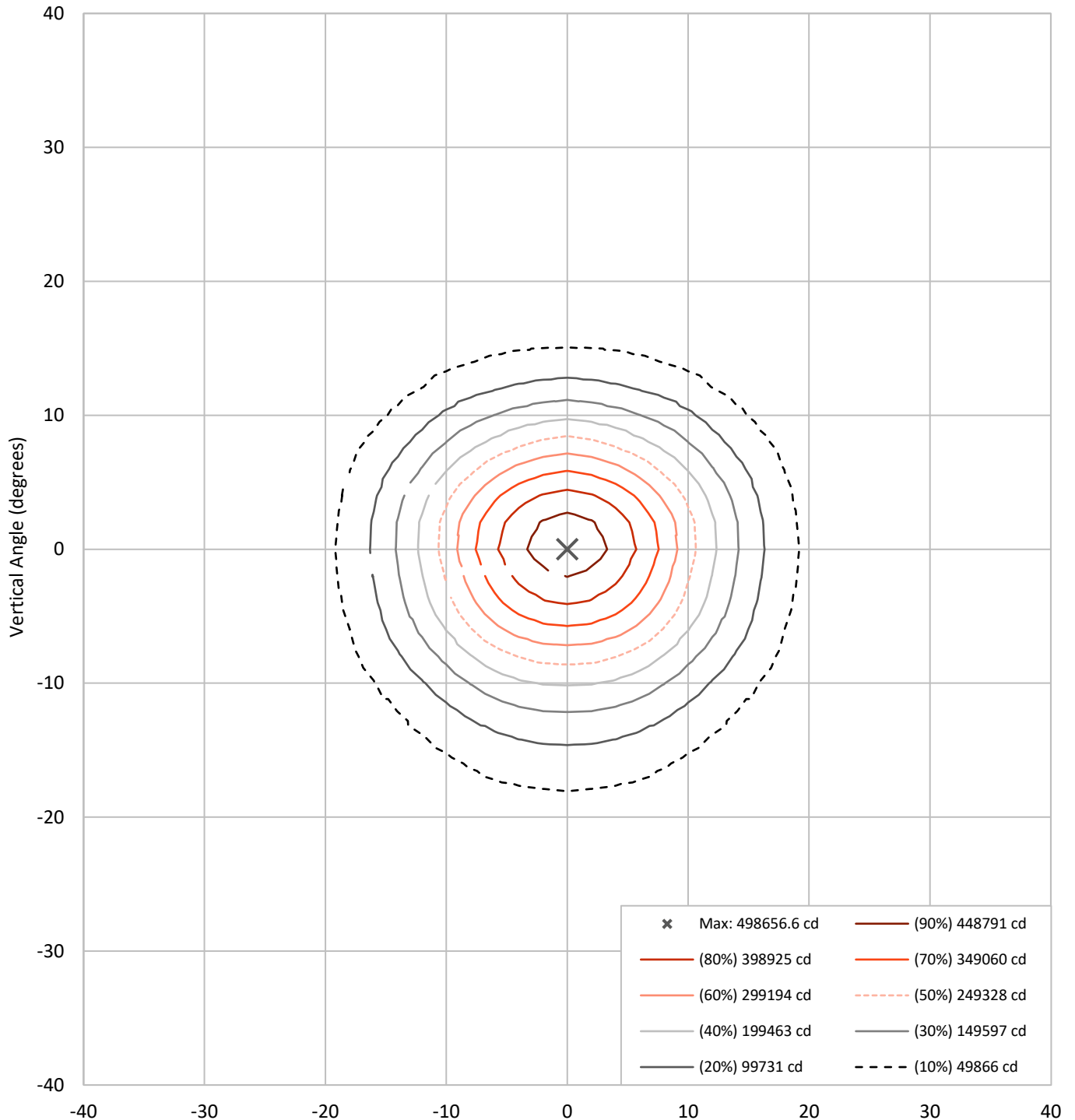
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	67258.5 lumens	Max Intensity:	498656.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	29433.9 lumens	Field Lumens:	56971.5 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 703.3
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





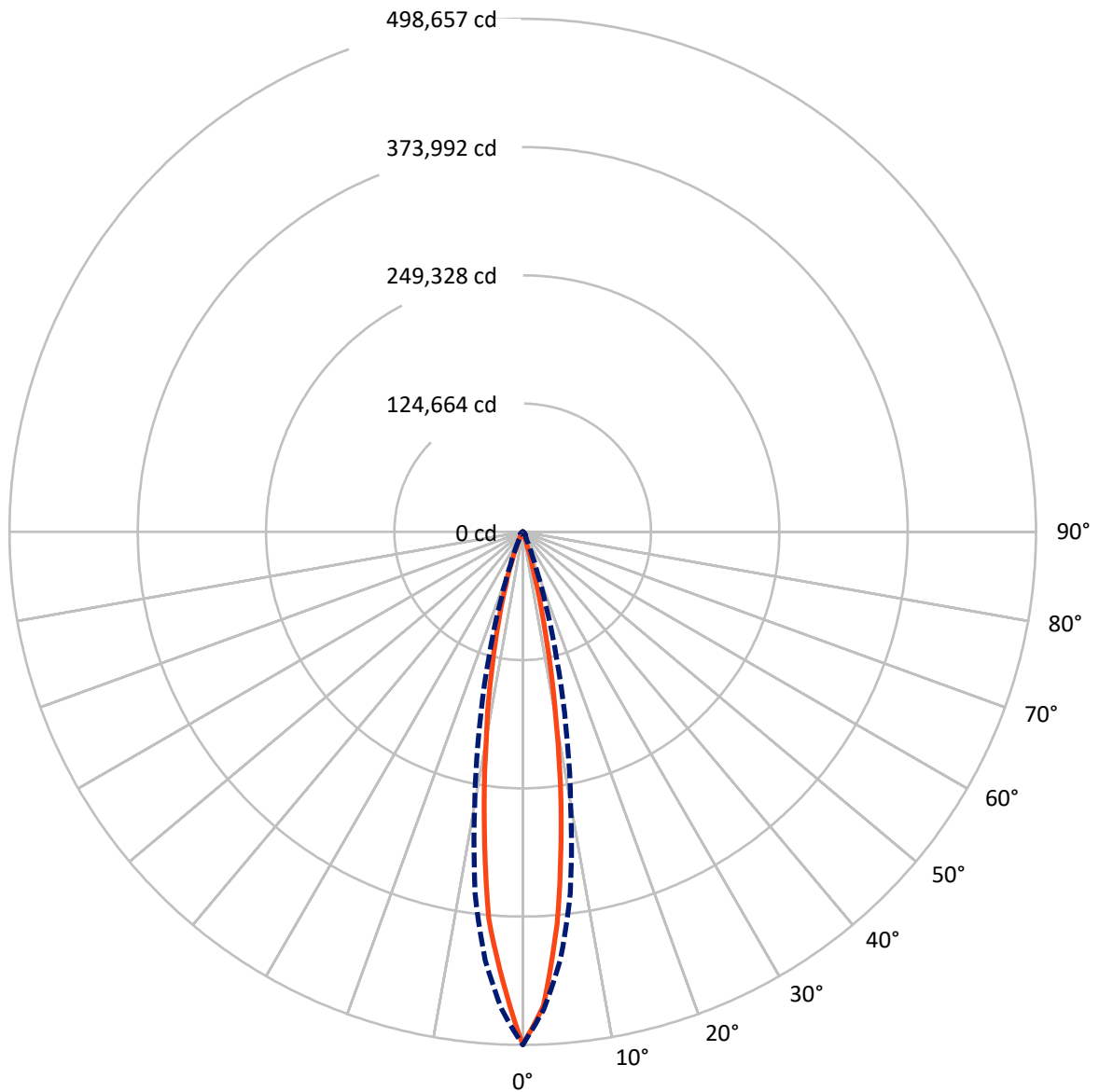
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Lumen Table

90	0.2	0.5	0.8	0.8	1.0	0.8	0.8	0.5	0.2									
80	0.2	0.5	0.8	0.8	1.0	0.8	0.8	0.5	0.2									
70	0.2	0.1	0.2	0.8	0.9	0.5	0.3	0.2	0.2	0.3	0.5	0.9	0.8	0.2	0.1	0.2		
60		0.2	0.4	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.4	0.2			
50	0.2	0.2	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.2	0.2		
40		0.3	0.7	0.9	1.8	2.5	2.8	3.3	3.3	2.8	2.5	1.8	0.9	0.7	0.3			
30	0.3	0.5	1.7	4.3	8.4	10.8	19.1	40.4	40.4	19.1	10.8	8.4	4.3	1.7	0.5	0.3		
20		1.3	6.2	20.7	43.2	78.4	541.1	1666.7	1666.7	541.1	78.4	43.2	20.7	6.2	1.3			
10	0.5	2.3	12.8	50.3	100.8	320.0	3124.0	9286.6	9286.6	3124.0	320.0	100.8	50.3	12.8	2.3	0.5		
0		3.1	15.2	58.8	115.0	333.9	3188.8	9336.6	9336.6	3188.8	333.9	115.0	58.8	15.2	3.1			
-10	0.7	3.3	13.3	43.9	88.8	144.1	880.5	2615.7	2615.7	880.5	144.1	88.8	43.9	13.3	3.3	0.7		
-20		3.2	11.2	26.0	66.1	93.9	141.9	297.8	297.8	141.9	93.9	66.1	26.0	11.2	3.2			
-30	0.6	2.8	9.1	18.0	40.4	77.4	98.6	105.9	105.9	98.6	77.4	40.4	18.0	9.1	2.8	0.6		
-40		2.0	6.7	14.4	24.5	39.6	64.3	83.6	83.6	64.3	39.6	24.5	14.4	6.7	2.0			
-50	0.4	0.9	3.9	9.1	16.5	24.1	29.8	33.1	33.1	29.8	24.1	16.5	9.1	3.9	0.9	0.4		
-60		0.4	1.3	3.8	7.4	11.4	15.4	17.9	17.9	15.4	11.4	7.4	3.8	1.3	0.4			
-70	0.3	0.4	1.3	3.8	7.4	11.4	15.4	17.9	17.9	15.4	11.4	7.4	3.8	1.3	0.4	0.3		
-80		0.3	1.3	3.4	8.4	13.1	8.4	3.4	1.3	0.3								
-90	0.3	1.3	3.4	8.4	13.1	8.4	3.4	1.3	0.3									

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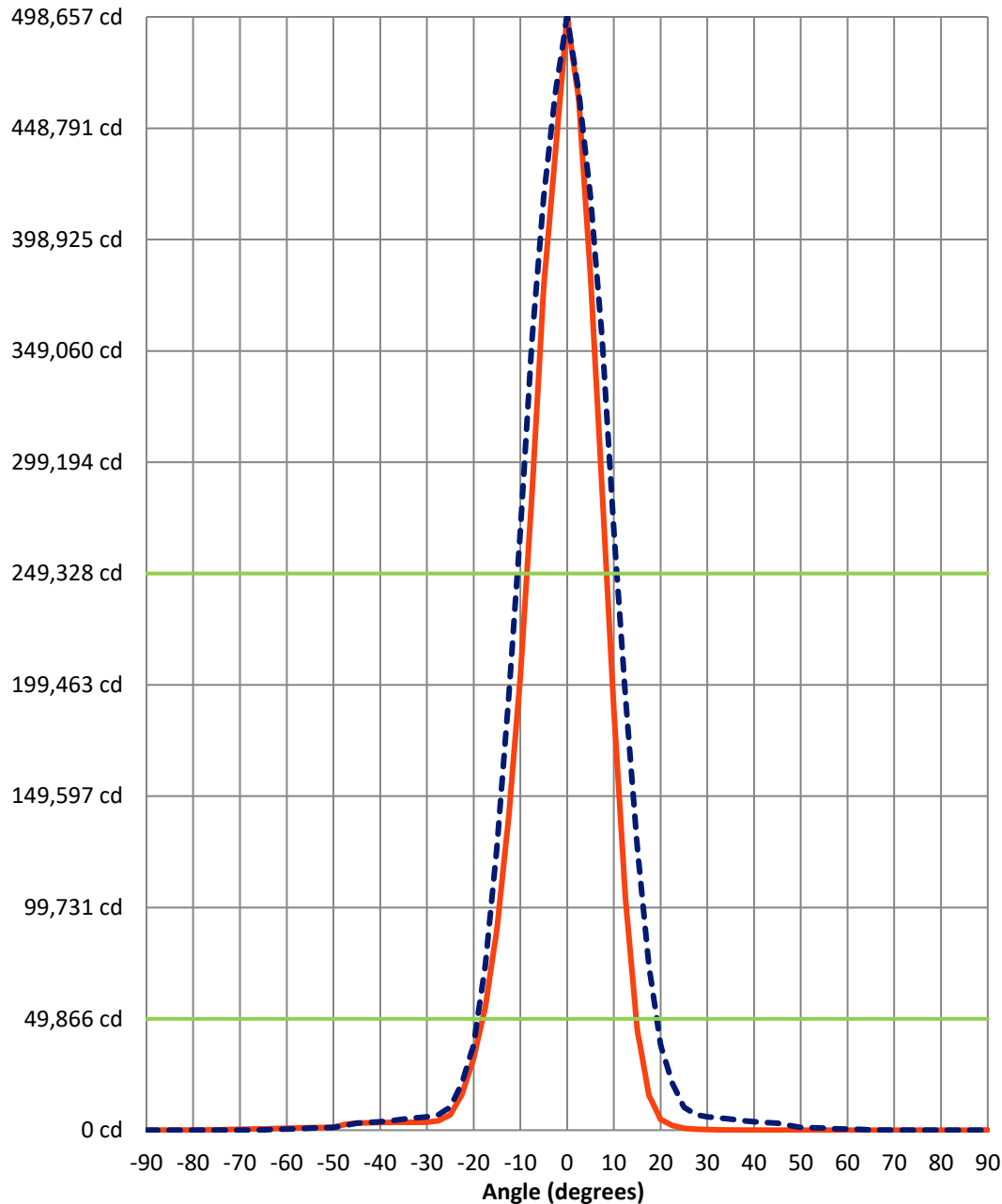
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.3°
 V Angle: 17°
 Lumens: 29433.9
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 56971.5
 Efficiency: 84.7%

Spill:
 Lumens: 10287
 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°	8.3	8.3	8.3	8.8	9.4	9.9	10.4	10.9	11.4	11.9	12.4
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.9	7.6	7.3	7.1
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.1	8.0	7.9	8.0
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.5	8.4	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.5	8.6	8.4	8.3	8.3	8.3	8.3
70°	8.3	8.3	8.3	8.3	8.7	8.8	8.5	8.3	8.3	8.3	8.4
67.5°	8.3	8.3	8.3	8.5	8.9	8.9	8.5	8.3	8.3	8.6	8.6
65°	8.3	8.3	8.3	8.8	9.1	9.1	8.6	8.3	8.8	9.0	8.7
62.5°	8.3	8.3	8.3	9.0	9.4	9.1	8.6	8.7	9.2	9.3	8.8
60°	8.3	8.3	8.3	9.2	9.6	9.2	8.7	9.2	9.8	9.4	8.9
57.5°	8.3	8.3	8.5	9.4	9.7	9.2	9.2	9.8	10.0	9.5	9.6
55°	8.3	8.3	8.6	9.6	9.7	9.3	9.7	10.4	10.1	9.8	10.4
52.5°	8.3	8.3	8.8	9.9	9.8	9.4	10.2	10.6	10.2	10.5	11.3
50°	8.3	8.3	8.9	10.1	9.8	9.8	10.7	10.8	10.4	11.3	13.0
47.5°	8.3	8.3	9.0	10.3	9.9	10.2	11.2	11.1	11.1	12.0	14.5
45°	8.3	8.3	9.2	10.3	10.0	10.6	11.4	11.4	11.8	13.0	15.7
42.5°	8.3	8.3	9.3	10.4	10.0	11.0	11.7	11.9	12.6	13.7	17.3
40°	8.3	8.3	9.4	10.4	10.2	11.4	12.1	12.5	13.4	14.2	18.9
37.5°	8.3	8.3	9.5	10.5	10.5	11.8	12.4	13.2	14.4	15.6	20.2
35°	8.3	8.3	9.6	10.5	10.8	12.1	12.8	13.8	15.5	17.9	20.9
32.5°	8.3	8.3	9.7	10.6	11.1	12.4	13.3	14.4	16.7	20.1	22.7
30°	8.3	8.3	9.8	10.7	11.3	12.7	13.8	15.1	18.0	22.4	24.8
27.5°	8.3	8.3	9.9	10.8	11.6	13.1	14.3	16.1	19.5	24.6	27.3
25°	8.3	8.3	10.0	10.9	11.8	13.4	14.8	17.2	21.4	26.7	30.2
22.5°	8.3	8.3	10.1	11.1	11.9	13.7	15.3	18.3	23.2	28.9	35.9
20°	8.3	8.3	10.1	11.2	12.1	13.9	15.7	19.4	25.0	31.3	42.2
17.5°	8.3	8.3	10.2	11.3	12.2	14.0	16.1	20.4	26.7	33.8	49.0
15°	8.3	8.3	10.3	11.5	12.3	14.1	16.5	21.4	28.4	36.4	56.1
12.5°	8.3	8.3	10.3	11.7	12.3	14.2	16.9	22.2	30.0	39.0	63.5
10°	8.3	8.3	10.3	11.8	12.4	14.3	17.3	22.9	31.6	43.3	72.1
7.5°	8.3	8.3	10.4	12.0	12.4	14.4	17.7	23.5	33.2	48.1	83.7
5°	8.3	8.3	10.4	12.1	12.4	14.5	18.1	24.1	34.7	53.0	95.1
2.5°	8.3	8.3	10.4	12.3	12.4	14.5	18.4	24.5	36.1	57.7	106.0
0°	8.3	8.3	10.4	12.4	12.4	14.5	18.7	24.9	37.3	62.2	116.2
-2.5°	8.3	8.3	10.5	12.5	12.8	15.0	20.3	29.7	47.0	77.0	135.0
-5°	8.3	8.4	10.6	12.7	13.1	15.4	21.9	34.4	56.3	91.1	152.4
-7.5°	8.3	8.4	10.6	12.8	13.5	15.8	23.3	38.6	64.9	104.2	168.4
-10°	8.3	8.5	10.7	12.9	13.8	16.2	24.5	42.4	72.7	116.2	182.7
-12.5°	8.3	8.5	10.7	12.9	14.1	16.6	25.5	45.6	79.4	126.8	195.0
-15°	8.3	8.6	10.8	13.0	14.4	16.9	26.3	48.1	85.4	135.8	205.1
-17.5°	8.3	8.6	10.8	13.1	14.7	17.2	26.8	50.7	90.9	143.3	213.1
-20°	8.3	8.6	10.8	13.1	14.9	17.5	27.3	52.9	94.9	149.3	218.6



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.7	10.9	13.1	15.1	17.8	28.0	54.1	97.5	153.5	221.7
-25°	8.3	8.7	10.9	13.2	15.3	18.1	28.1	54.0	98.5	156.0	222.3
-27.5°	8.3	8.7	10.9	13.2	15.4	18.5	27.6	52.7	97.9	156.8	224.1
-30°	8.3	8.8	10.9	13.1	15.5	18.7	26.6	49.9	96.1	155.7	223.8
-32.5°	8.3	8.8	10.8	13.1	15.6	18.8	24.9	48.2	92.9	152.3	221.1
-35°	8.3	8.8	10.8	13.1	15.6	18.8	24.4	46.1	87.7	146.6	215.9
-37.5°	8.3	8.8	10.8	13.0	15.6	18.7	24.3	43.1	80.4	138.5	200.7
-40°	8.3	8.8	10.7	13.0	15.5	18.7	24.0	39.2	71.2	128.4	183.1
-42.5°	8.3	8.8	10.7	12.9	15.5	18.6	23.6	34.2	63.8	112.3	163.7
-45°	8.3	8.8	10.6	12.8	15.4	18.4	22.8	30.5	57.0	94.4	142.7
-47.5°	8.3	8.8	10.6	12.7	15.2	18.2	21.9	29.4	48.9	75.7	121.5
-50°	8.3	8.8	10.5	12.6	15.0	18.0	21.5	27.9	38.6	64.0	99.0
-52.5°	8.3	8.8	10.4	12.4	14.8	17.7	21.1	26.2	33.6	51.8	76.5
-55°	8.3	8.8	10.3	12.2	14.5	17.3	20.6	24.4	30.8	39.0	62.1
-57.5°	8.3	8.8	10.2	12.1	14.2	16.9	20.0	23.6	28.1	33.7	47.1
-60°	8.3	8.8	10.1	11.9	13.9	16.5	19.4	22.7	25.6	30.7	35.6
-62.5°	8.3	8.7	10.0	11.6	13.6	16.0	18.7	21.7	24.3	27.7	32.4
-65°	8.3	8.7	9.9	11.4	13.2	15.4	18.0	20.6	23.0	25.7	29.2
-67.5°	8.3	8.7	9.8	11.1	12.8	14.8	17.2	19.6	21.5	23.9	26.7
-70°	8.3	8.6	9.6	10.9	12.4	14.2	16.4	18.6	20.5	22.1	24.4
-72.5°	8.3	8.6	9.5	10.6	11.9	13.5	15.5	17.6	19.5	21.1	22.4
-75°	8.3	8.6	9.3	10.4	11.4	12.8	14.5	16.5	18.5	20.1	21.5
-77.5°	8.3	8.5	9.2	10.1	11.1	12.1	13.5	15.3	17.2	19.1	20.7
-80°	8.3	8.5	9.0	9.9	10.7	11.6	12.5	14.2	15.9	17.6	19.3
-82.5°	8.3	8.4	8.8	9.6	10.4	11.2	11.9	13.1	14.5	16.1	17.6
-85°	8.3	8.4	8.7	9.4	10.1	10.7	11.4	12.4	13.5	14.7	15.9
-87.5°	8.3	8.3	8.5	9.1	9.7	10.3	10.9	11.7	12.5	13.3	14.2
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2



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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°	12.4	12.4	12.4	12.4	12.9	13.5	14.0	14.5	15.0	15.5	16.1
87.5°	6.9	6.7	6.5	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
85°	7.7	7.3	6.9	6.5	6.5	6.5	6.4	6.2	5.9	5.7	5.6
82.5°	8.0	7.8	7.7	7.7	7.5	7.2	6.8	6.3	6.2	6.2	6.2
80°	8.2	8.3	8.3	8.3	7.9	7.3	6.8	6.3	6.2	6.3	6.3
77.5°	8.3	8.3	8.3	8.3	7.9	7.6	7.4	7.4	7.4	7.2	6.8
75°	8.3	8.3	8.3	8.3	8.2	8.2	8.3	8.3	8.1	7.9	7.9
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.0	12.3	13.9
70°	8.3	8.3	8.3	8.3	8.3	9.0	12.1	16.1	20.1	22.5	25.1
67.5°	8.3	8.3	8.3	8.7	10.8	14.2	18.8	27.6	37.5	40.4	40.3
65°	8.3	8.3	9.3	11.4	14.2	21.2	30.7	42.4	51.2	49.8	46.2
62.5°	8.3	9.3	11.2	14.8	20.6	29.4	38.3	46.7	55.5	53.1	45.2
60°	9.2	10.5	14.3	20.2	26.4	32.5	41.0	46.5	51.1	51.3	39.6
57.5°	10.1	12.8	18.6	24.6	29.5	33.4	37.0	41.2	42.6	41.6	30.3
55°	11.8	16.1	22.2	27.7	31.0	29.2	30.9	31.8	31.2	28.5	20.0
52.5°	14.5	19.3	25.2	29.7	29.8	26.1	23.2	23.3	21.2	17.4	14.8
50°	16.7	22.2	28.0	30.4	28.2	22.4	17.6	17.0	15.6	13.9	12.4
47.5°	19.0	25.0	30.2	31.0	25.3	20.6	16.2	14.7	13.8	13.5	12.9
45°	21.2	26.7	32.0	28.7	23.8	20.3	17.4	14.4	14.8	14.7	14.0
42.5°	23.2	27.7	30.2	26.7	24.3	22.0	19.8	17.7	16.6	16.9	16.8
40°	23.9	28.4	28.7	28.1	25.9	25.0	24.7	23.1	19.7	21.2	21.7
37.5°	24.2	28.0	29.4	31.7	29.2	30.0	30.9	31.4	29.0	27.4	31.5
35°	24.2	28.6	34.5	37.7	36.1	36.9	40.5	42.0	41.0	40.4	48.0
32.5°	24.7	30.1	41.3	45.2	47.7	48.9	52.0	54.9	57.8	62.5	76.8
30°	27.6	36.5	49.5	53.8	61.9	70.9	68.6	70.2	77.8	106.0	130.4
27.5°	33.6	45.3	57.7	66.7	80.1	99.0	101.9	93.7	118.2	161.2	201.3
25°	40.9	72.9	66.6	82.2	107.7	133.1	144.8	150.4	179.3	237.2	282.3
22.5°	56.2	109.9	107.3	99.2	139.4	172.6	201.7	259.7	341.1	359.4	369.0
20°	83.2	146.5	157.0	165.2	187.1	217.1	267.5	406.1	579.4	643.2	577.0
17.5°	115.2	186.6	212.5	250.5	300.1	309.6	351.3	580.8	879.0	983.0	1003.1
15°	151.1	229.5	271.5	345.9	421.2	457.2	578.3	863.5	1206.7	1376.7	1494.4
12.5°	189.8	274.6	333.1	449.1	548.7	605.5	863.9	1298.8	1628.2	1826.7	2137.4
10°	229.7	320.9	396.3	557.4	680.7	753.8	1179.4	1748.3	2080.4	2306.0	2705.8
7.5°	271.3	365.6	459.0	668.2	814.9	901.3	1511.6	2201.9	2520.5	2766.6	3169.2
5°	311.2	406.8	514.9	761.3	926.3	1028.9	1819.4	2647.0	2948.2	3209.0	3569.6
2.5°	347.8	446.2	569.0	846.9	1019.8	1125.3	1994.6	2901.3	3220.6	3531.2	3926.2
0°	379.7	483.4	620.3	925.3	1107.9	1217.8	2136.9	3122.4	3452.3	3790.5	4263.5
-2.5°	384.4	494.6	636.2	918.1	1091.5	1203.6	2099.7	3088.3	3489.4	3884.0	4377.9
-5°	384.1	502.9	647.9	903.6	1070.1	1185.1	2026.6	3010.4	3476.0	3867.2	4330.9
-7.5°	379.7	507.8	655.0	882.4	1037.0	1143.6	1886.1	2818.7	3306.9	3651.6	4097.1
-10°	372.1	506.1	645.1	846.2	990.1	1087.5	1706.7	2592.4	3129.0	3431.4	3827.5
-12.5°	362.4	498.9	629.7	807.5	944.3	1030.1	1498.6	2335.9	2946.9	3212.6	3536.8
-15°	351.2	489.8	611.5	767.8	901.3	972.2	1264.1	2053.1	2767.2	3043.1	3296.9
-17.5°	339.4	479.2	590.9	728.5	862.7	914.6	1010.9	1744.6	2511.4	2858.6	3115.8
-20°	327.5	467.2	568.2	690.7	826.1	876.7	939.1	1448.0	2139.2	2645.5	2917.7



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	316.5	454.1	546.9	659.7	785.0	855.9	904.1	1158.0	1746.5	2407.3	2706.1
-25°	312.1	434.8	529.1	631.0	745.9	836.8	871.6	914.3	1388.6	2021.9	2491.8
-27.5°	311.2	418.5	509.4	599.9	707.0	811.9	848.3	879.7	1121.5	1634.8	2243.9
-30°	307.1	396.4	487.3	569.2	669.7	768.0	830.3	865.0	919.4	1316.0	1823.0
-32.5°	293.6	373.1	461.4	542.8	631.1	725.8	815.4	858.0	902.6	1011.7	1436.5
-35°	276.1	351.7	433.8	514.0	591.4	684.8	776.8	852.4	885.9	936.7	1113.8
-37.5°	259.7	328.1	405.3	483.1	557.9	642.3	735.4	820.1	878.8	918.1	981.4
-40°	241.1	302.3	376.8	451.4	523.2	600.0	686.5	774.0	853.3	920.9	969.6
-42.5°	220.2	279.4	346.4	418.5	486.0	558.5	635.1	720.0	809.8	902.5	971.4
-45°	196.7	254.1	314.5	380.0	445.4	513.6	586.0	662.2	753.3	847.7	939.7
-47.5°	171.0	226.2	283.6	339.0	401.1	465.3	532.9	607.4	688.0	777.5	872.0
-50°	144.1	195.5	249.0	300.0	353.9	413.7	476.2	547.5	622.6	701.0	785.8
-52.5°	117.8	162.5	212.0	261.2	308.9	359.9	418.5	482.6	551.8	624.2	695.1
-55°	90.2	130.9	173.3	219.8	265.8	310.0	358.9	416.5	475.8	541.4	604.3
-57.5°	69.2	98.8	136.4	176.1	219.5	262.9	306.7	350.3	402.4	457.0	508.7
-60°	51.8	72.4	100.4	135.0	170.7	211.5	254.6	295.8	335.6	373.3	417.9
-62.5°	36.6	52.7	71.5	94.9	126.4	158.9	196.0	235.4	275.7	308.4	338.2
-65°	33.2	36.9	49.5	66.5	83.3	111.7	141.3	170.6	205.0	236.5	266.1
-67.5°	29.7	33.1	36.3	42.2	57.4	73.7	90.2	116.0	141.6	164.3	186.7
-70°	27.0	29.4	32.2	35.1	38.3	45.2	59.5	73.8	88.2	104.8	124.7
-72.5°	24.5	26.9	28.9	30.7	33.5	36.8	40.2	43.9	52.1	63.7	75.5
-75°	22.8	24.4	26.5	28.4	30.0	31.8	34.1	37.1	39.9	42.4	44.6
-77.5°	21.6	22.6	24.0	25.8	27.1	28.2	29.5	31.2	33.2	35.4	37.7
-80°	20.0	20.7	21.4	22.5	23.4	24.2	25.1	25.9	27.0	28.4	30.1
-82.5°	18.2	18.6	19.1	19.5	19.9	20.3	20.8	21.4	22.1	22.8	23.6
-85°	16.3	16.6	16.9	17.2	17.1	17.0	17.0	17.1	17.4	17.8	18.1
-87.5°	14.3	14.5	14.7	14.8	14.8	14.8	14.7	14.5	14.6	14.7	14.8
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.6	16.6	16.6	16.6	16.6	22.3	28.0	33.7	39.4	49.2	59.1
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
85°	5.4	5.2	4.9	4.5	4.1	4.0	4.0	4.0	4.0	3.5	3.1
82.5°	6.2	5.7	5.2	4.7	4.1	3.7	3.3	2.8	2.3	2.2	2.1
80°	6.2	5.8	5.2	4.7	4.2	4.0	3.9	3.8	3.8	3.9	4.0
77.5°	6.5	6.2	5.7	5.0	4.3	4.1	4.1	4.1	4.1	3.7	3.2
75°	8.1	8.0	7.8	7.2	6.3	5.9	5.6	5.0	4.3	4.0	4.0
72.5°	14.7	14.6	13.9	13.0	11.5	10.5	10.1	9.7	9.1	9.0	8.9
70°	26.1	25.6	24.1	21.3	17.3	14.7	13.6	12.3	10.9	10.3	10.3
67.5°	36.7	32.6	28.8	24.6	19.8	16.0	14.1	12.1	9.9	8.8	8.6
65°	40.7	32.6	27.0	22.4	18.9	15.4	12.7	10.3	8.0	6.9	7.2
62.5°	36.6	27.0	21.0	17.2	14.2	12.0	9.9	8.2	6.9	6.3	6.3
60°	29.0	19.6	14.5	12.1	10.1	8.4	7.4	6.4	5.5	4.8	5.1
57.5°	21.0	14.1	10.3	9.4	8.3	6.9	5.9	5.6	5.4	5.5	5.9
55°	14.3	11.7	10.4	9.3	8.2	7.0	6.2	6.2	6.2	6.2	6.2
52.5°	11.8	11.2	10.6	9.7	8.5	7.3	6.2	6.2	6.2	6.2	6.2
50°	11.9	11.3	10.8	10.1	8.9	7.6	6.4	6.5	6.9	7.4	7.4
47.5°	12.1	11.6	11.2	10.5	9.5	8.9	8.3	8.5	9.2	9.5	9.4
45°	12.7	12.8	12.6	12.5	11.6	11.8	11.9	12.1	14.7	14.6	12.9
42.5°	15.6	16.6	17.4	18.0	15.5	20.1	27.3	30.6	26.8	21.6	18.3
40°	23.4	24.5	29.4	31.8	39.2	46.1	39.7	32.2	28.8	31.3	33.2
37.5°	37.3	44.3	54.0	65.2	60.6	48.2	48.5	48.4	47.2	51.3	51.1
35°	62.5	78.3	88.0	85.9	79.4	75.8	79.2	82.8	74.7	81.9	83.7
32.5°	100.6	119.6	122.1	115.6	116.0	122.2	133.6	132.0	134.5	142.7	152.1
30°	145.2	167.7	176.4	164.6	156.0	171.0	177.4	183.1	201.5	225.5	247.1
27.5°	218.5	235.0	250.0	237.5	212.7	231.2	244.3	240.4	291.2	318.3	378.8
25°	310.5	333.9	342.4	347.0	338.6	335.1	367.9	384.7	454.7	528.9	654.9
22.5°	424.0	487.8	505.8	482.1	508.7	527.3	549.6	624.5	764.5	992.1	1317.2
20°	568.0	698.2	802.9	786.0	723.6	803.4	893.7	1129.9	1538.9	2458.5	3211.1
17.5°	1024.0	1026.4	1235.6	1319.8	1216.9	1390.0	1833.2	2601.8	4292.3	7394.5	9405.7
15°	1728.6	1775.2	1871.5	1984.2	2169.3	2621.3	3514.2	6734.8	11584.9	18295.3	25181.1
12.5°	2475.5	2580.7	2745.5	2837.7	3215.5	4424.9	8255.2	15307.3	25544.8	38463.2	59892.7
10°	3117.4	3397.4	3609.7	3898.2	4872.6	7713.5	14323.0	26508.3	47144.5	75015.6	107955.9
7.5°	3571.3	3981.0	4340.0	4882.5	6906.0	12632.7	23718.0	43989.7	75159.7	114519.2	159927.2
5°	4027.8	4546.2	4948.8	5663.8	8204.6	16322.5	31074.2	60369.6	105378.4	158959.1	219687.6
2.5°	4491.6	5074.4	5517.9	6402.7	9035.3	18193.4	34806.2	70144.9	125360.4	190601.4	264330.5
0°	4958.5	5510.4	5977.2	6977.2	10325.7	21137.0	38321.7	73875.7	127222.3	193817.9	268656.2
-2.5°	4937.0	5301.4	5728.9	6503.8	9418.9	19457.6	35618.5	69817.6	120437.0	182207.7	250074.9
-5°	4749.2	5005.2	5343.9	6028.8	8426.4	16218.7	30805.5	59680.6	106372.7	162965.4	221463.3
-7.5°	4457.6	4672.3	4925.5	5490.8	7282.4	12908.8	24918.2	47866.9	84382.9	125383.9	170240.8
-10°	4177.8	4343.5	4523.3	4915.2	6066.4	9461.0	17677.7	32434.7	58739.9	89412.9	123549.5
-12.5°	3920.0	4052.1	4147.6	4313.3	4886.8	6852.8	12710.2	23263.2	38375.0	57375.4	82558.0
-15°	3657.2	3769.2	3818.6	3951.5	4326.7	5299.7	7660.9	14299.3	23989.4	36259.5	49028.1
-17.5°	3375.2	3508.2	3582.6	3667.9	3831.4	4234.5	5537.3	8328.5	14187.0	22424.5	30648.5
-20°	3143.2	3299.9	3363.7	3423.0	3573.6	3810.4	4182.3	5437.5	7577.4	12707.7	17821.7



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2919.1	3060.3	3143.3	3270.7	3465.5	3629.4	3751.3	4050.3	4939.1	6339.0	8838.3
-25°	2715.2	2837.5	3001.2	3245.8	3436.6	3553.7	3576.7	3589.4	3842.8	4120.7	4964.5
-27.5°	2510.0	2683.3	2927.1	3203.0	3429.7	3486.8	3489.8	3485.5	3545.9	3588.0	3798.0
-30°	2327.2	2554.1	2784.3	3078.8	3299.4	3392.3	3431.6	3458.7	3489.8	3528.2	3542.1
-32.5°	1954.5	2418.2	2604.6	2840.5	3118.4	3265.3	3339.1	3402.1	3436.5	3470.0	3496.4
-35°	1545.2	2034.4	2479.2	2631.7	2829.0	3077.8	3263.0	3338.4	3401.8	3437.7	3471.1
-37.5°	1162.2	1581.5	2014.0	2419.2	2620.7	2796.6	3033.4	3217.8	3334.2	3380.2	3420.5
-40°	1024.1	1133.0	1515.0	1886.7	2241.6	2576.8	2773.7	2996.5	3174.5	3264.7	3334.5
-42.5°	1018.9	1058.9	1097.8	1358.8	1688.5	2011.8	2317.3	2603.3	2867.3	3046.9	3179.9
-45°	1017.7	1046.3	1078.8	1117.8	1157.1	1409.4	1691.8	1975.7	2265.4	2537.2	2780.9
-47.5°	951.6	1022.5	1061.5	1092.6	1118.7	1152.1	1190.1	1261.9	1497.7	1735.3	1973.6
-50°	860.8	931.8	996.7	1058.8	1090.3	1111.9	1132.7	1156.3	1186.1	1216.1	1246.6
-52.5°	759.2	826.6	892.7	952.1	1003.1	1052.1	1098.8	1120.2	1136.0	1150.5	1163.0
-55°	664.4	722.3	778.3	830.9	881.7	929.6	973.3	1010.7	1045.3	1076.7	1101.3
-57.5°	563.9	618.8	671.0	715.1	757.4	797.5	836.1	872.1	904.5	933.1	957.1
-60°	462.9	508.1	553.8	596.0	636.2	674.1	706.1	735.6	762.6	787.4	810.0
-62.5°	367.9	403.1	441.8	477.2	509.0	539.9	574.0	603.5	628.5	650.3	670.7
-65°	293.4	318.5	346.3	373.1	398.9	428.3	460.5	488.7	512.9	533.2	550.7
-67.5°	211.9	236.5	263.0	287.3	309.7	334.2	363.8	391.7	417.9	439.0	456.0
-70°	142.7	160.2	180.2	201.8	223.5	246.5	272.4	297.6	321.9	341.4	357.5
-72.5°	87.6	99.1	110.5	125.0	139.9	157.6	177.5	197.7	217.8	234.2	248.2
-75°	46.6	50.6	59.2	67.5	75.2	85.1	95.3	104.8	113.6	121.7	129.0
-77.5°	39.9	41.5	43.0	44.4	45.7	49.7	54.6	59.7	65.0	70.4	75.8
-80°	31.7	33.0	34.2	35.5	36.7	39.8	43.1	46.4	49.7	53.3	57.0
-82.5°	24.5	25.1	25.6	26.2	26.7	28.9	31.3	33.7	36.1	39.1	42.0
-85°	18.5	18.8	19.0	19.3	19.5	21.4	23.2	24.9	26.7	29.8	33.0
-87.5°	14.9	14.8	14.8	14.7	14.7	17.0	19.2	21.3	23.4	26.0	28.5
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	1.6	1.1



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	68.9	78.8	84.0	89.2	84.0	78.8	68.9	59.1	49.2	39.4	33.7
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	4.0
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.8
80°	4.0	4.1	3.1	2.1	3.1	4.1	4.0	4.0	3.9	3.8	3.8
77.5°	2.7	2.2	3.1	4.1	3.1	2.2	2.7	3.2	3.7	4.1	4.1
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.3	5.0
72.5°	8.6	8.2	8.3	8.3	8.3	8.2	8.6	8.9	9.0	9.1	9.7
70°	10.3	10.3	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.9	12.3
67.5°	8.5	8.4	7.4	6.2	7.4	8.4	8.5	8.6	8.8	9.9	12.1
65°	7.7	8.2	7.4	6.2	7.4	8.2	7.7	7.2	6.9	8.0	10.3
62.5°	6.3	6.3	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.9	8.2
60°	5.5	6.0	6.2	6.2	6.2	6.0	5.5	5.1	4.8	5.5	6.4
57.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	5.9	5.5	5.4	5.6
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
50°	7.0	6.5	6.2	6.2	6.2	6.5	7.0	7.4	7.4	6.9	6.5
47.5°	9.0	8.5	8.3	8.3	8.3	8.5	9.0	9.4	9.5	9.2	8.5
45°	12.8	12.5	12.3	12.4	12.3	12.5	12.8	12.9	14.6	14.7	12.1
42.5°	18.6	18.6	18.6	18.7	18.6	18.6	18.6	18.3	21.6	26.8	30.6
40°	34.9	35.2	34.4	33.2	34.4	35.2	34.9	33.2	31.3	28.8	32.2
37.5°	51.0	51.4	51.4	51.9	51.4	51.4	51.0	51.1	51.3	47.2	48.4
35°	82.6	80.6	76.0	76.8	76.0	80.6	82.6	83.7	81.9	74.7	82.8
32.5°	158.1	155.9	147.2	153.5	147.2	155.9	158.1	152.1	142.7	134.5	132.0
30°	266.1	276.6	281.1	280.1	281.1	276.6	266.1	247.1	225.5	201.5	183.1
27.5°	409.8	433.1	447.8	456.4	447.8	433.1	409.8	378.8	318.3	291.2	240.4
25°	745.5	803.3	836.1	879.7	836.1	803.3	745.5	654.9	528.9	454.7	384.7
22.5°	1667.0	1876.2	2009.3	2103.7	2009.3	1876.2	1667.0	1317.2	992.1	764.5	624.5
20°	4325.1	4307.9	4654.6	4842.3	4654.6	4307.9	4325.1	3211.1	2458.5	1538.9	1129.9
17.5°	13538.8	15690.5	16236.4	15769.7	16236.4	15690.5	13538.8	9405.7	7394.5	4292.3	2601.8
15°	34800.8	41987.8	45318.3	45271.9	45318.3	41987.8	34800.8	25181.1	18295.3	11584.9	6734.8
12.5°	75043.1	88923.3	97986.4	103469.1	97986.4	88923.3	75043.1	59892.7	38463.2	25544.8	15307.3
10°	136186.0	159963.6	178924.7	188450.6	178924.7	159963.6	136186.0	107955.9	75015.6	47144.5	26508.3
7.5°	201824.7	240297.5	272783.4	286268.2	272783.4	240297.5	201824.7	159927.2	114519.2	75159.7	43989.7
5°	277866.2	339082.5	369486.6	382587.9	369486.6	339082.5	277866.2	219687.6	158959.1	105378.4	60369.6
2.5°	341483.3	402524.3	445020.5	461171.1	445020.5	402524.3	341483.3	264330.5	190601.4	125360.4	70144.9
0°	354217.6	418029.9	464800.8	498656.6	464800.8	418029.9	354217.6	268656.2	193817.9	127222.3	73875.7
-2.5°	327170.7	389521.3	423696.1	438014.4	423696.1	389521.3	327170.7	250074.9	182207.7	120437.0	69817.6
-5°	284421.2	339760.4	371356.3	377702.0	371356.3	339760.4	284421.2	221463.3	162965.4	106372.7	59680.6
-7.5°	217349.0	255656.7	280577.9	285608.5	280577.9	255656.7	217349.0	170240.8	125383.9	84382.9	47866.9
-10°	158065.6	185685.6	201689.7	203421.6	201689.7	185685.6	158065.6	123549.5	89412.9	58739.9	32434.7
-12.5°	105611.9	127253.8	138572.8	140208.8	138572.8	127253.8	105611.9	82558.0	57375.4	38375.0	23263.2
-15°	66181.3	80258.4	88571.6	90373.6	88571.6	80258.4	66181.3	49028.1	36259.5	23989.4	14299.3
-17.5°	40777.7	47898.2	52258.7	55141.2	52258.7	47898.2	40777.7	30648.5	22424.5	14187.0	8328.5
-20°	23843.4	28460.8	31052.1	32230.4	31052.1	28460.8	23843.4	17821.7	12707.7	7577.4	5437.5



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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°	11970.4	14248.5	15800.1	16035.3	15800.1	14248.5	11970.4	8838.3	6339.0	4939.1	4050.3
-25°	5805.5	6439.9	6875.3	6900.4	6875.3	6439.9	5805.5	4964.5	4120.7	3842.8	3589.4
-27.5°	3969.7	4101.6	4187.0	4236.5	4187.0	4101.6	3969.7	3798.0	3588.0	3545.9	3485.5
-30°	3556.8	3576.6	3588.6	3572.6	3588.6	3576.6	3556.8	3542.1	3528.2	3489.8	3458.7
-32.5°	3505.3	3514.6	3521.1	3510.4	3521.1	3514.6	3505.3	3496.4	3470.0	3436.5	3402.1
-35°	3501.3	3526.9	3546.9	3541.5	3546.9	3526.9	3501.3	3471.1	3437.7	3401.8	3338.4
-37.5°	3449.9	3472.4	3487.5	3487.6	3487.5	3472.4	3449.9	3420.5	3380.2	3334.2	3217.8
-40°	3373.6	3404.3	3423.4	3423.2	3423.4	3404.3	3373.6	3334.5	3264.7	3174.5	2996.5
-42.5°	3243.4	3286.5	3306.8	3305.0	3306.8	3286.5	3243.4	3179.9	3046.9	2867.3	2603.3
-45°	2963.8	3102.7	3177.2	3184.7	3177.2	3102.7	2963.8	2780.9	2537.2	2265.4	1975.7
-47.5°	2208.3	2422.3	2553.7	2583.0	2553.7	2422.3	2208.3	1973.6	1735.3	1497.7	1261.9
-50°	1277.1	1305.7	1317.8	1313.3	1317.8	1305.7	1277.1	1246.6	1216.1	1186.1	1156.3
-52.5°	1175.0	1186.5	1195.2	1201.2	1195.2	1186.5	1175.0	1163.0	1150.5	1136.0	1120.2
-55°	1121.3	1136.8	1146.7	1151.5	1146.7	1136.8	1121.3	1101.3	1076.7	1045.3	1010.7
-57.5°	976.8	992.3	1000.9	1004.2	1000.9	992.3	976.8	957.1	933.1	904.5	872.1
-60°	828.8	843.9	852.6	856.8	852.6	843.9	828.8	810.0	787.4	762.6	735.6
-62.5°	688.0	702.3	710.8	715.8	710.8	702.3	688.0	670.7	650.3	628.5	603.5
-65°	566.1	579.6	586.9	591.3	586.9	579.6	566.1	550.7	533.2	512.9	488.7
-67.5°	471.2	484.6	493.4	500.0	493.4	484.6	471.2	456.0	439.0	417.9	391.7
-70°	372.2	385.3	390.1	392.1	390.1	385.3	372.2	357.5	341.4	321.9	297.6
-72.5°	260.7	271.7	278.9	284.2	278.9	271.7	260.7	248.2	234.2	217.8	197.7
-75°	135.6	141.6	145.9	149.4	145.9	141.6	135.6	129.0	121.7	113.6	104.8
-77.5°	81.2	86.4	89.0	91.3	89.0	86.4	81.2	75.8	70.4	65.0	59.7
-80°	60.5	63.9	65.3	66.4	65.3	63.9	60.5	57.0	53.3	49.7	46.4
-82.5°	44.8	47.6	48.7	49.8	48.7	47.6	44.8	42.0	39.1	36.1	33.7
-85°	36.2	39.3	40.4	41.5	40.4	39.3	36.2	33.0	29.8	26.7	24.9
-87.5°	30.9	33.4	35.3	37.3	35.3	33.4	30.9	28.5	26.0	23.4	21.3
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28.0	22.3	16.6	16.6	16.6	16.6	16.6	16.1	15.5	15.0	14.5
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2
85°	4.0	4.0	4.1	4.5	4.9	5.2	5.4	5.6	5.7	5.9	6.2
82.5°	3.3	3.7	4.1	4.7	5.2	5.7	6.2	6.2	6.2	6.2	6.3
80°	3.9	4.0	4.2	4.7	5.2	5.8	6.2	6.3	6.3	6.2	6.3
77.5°	4.1	4.1	4.3	5.0	5.7	6.2	6.5	6.8	7.2	7.4	7.4
75°	5.6	5.9	6.3	7.2	7.8	8.0	8.1	7.9	7.9	8.1	8.3
72.5°	10.1	10.5	11.5	13.0	13.9	14.6	14.7	13.9	12.3	10.0	8.3
70°	13.6	14.7	17.3	21.3	24.1	25.6	26.1	25.1	22.5	20.1	16.1
67.5°	14.1	16.0	19.8	24.6	28.8	32.6	36.7	40.3	40.4	37.5	27.6
65°	12.7	15.4	18.9	22.4	27.0	32.6	40.7	46.2	49.8	51.2	42.4
62.5°	9.9	12.0	14.2	17.2	21.0	27.0	36.6	45.2	53.1	55.5	46.7
60°	7.4	8.4	10.1	12.1	14.5	19.6	29.0	39.6	51.3	51.1	46.5
57.5°	5.9	6.9	8.3	9.4	10.3	14.1	21.0	30.3	41.6	42.6	41.2
55°	6.2	7.0	8.2	9.3	10.4	11.7	14.3	20.0	28.5	31.2	31.8
52.5°	6.2	7.3	8.5	9.7	10.6	11.2	11.8	14.8	17.4	21.2	23.3
50°	6.4	7.6	8.9	10.1	10.8	11.3	11.9	12.4	13.9	15.6	17.0
47.5°	8.3	8.9	9.5	10.5	11.2	11.6	12.1	12.9	13.5	13.8	14.7
45°	11.9	11.8	11.6	12.5	12.6	12.8	12.7	14.0	14.7	14.8	14.4
42.5°	27.3	20.1	15.5	18.0	17.4	16.6	15.6	16.8	16.9	16.6	17.7
40°	39.7	46.1	39.2	31.8	29.4	24.5	23.4	21.7	21.2	19.7	23.1
37.5°	48.5	48.2	60.6	65.2	54.0	44.3	37.3	31.5	27.4	29.0	31.4
35°	79.2	75.8	79.4	85.9	88.0	78.3	62.5	48.0	40.4	41.0	42.0
32.5°	133.6	122.2	116.0	115.6	122.1	119.6	100.6	76.8	62.5	57.8	54.9
30°	177.4	171.0	156.0	164.6	176.4	167.7	145.2	130.4	106.0	77.8	70.2
27.5°	244.3	231.2	212.7	237.5	250.0	235.0	218.5	201.3	161.2	118.2	93.7
25°	367.9	335.1	338.6	347.0	342.4	333.9	310.5	282.3	237.2	179.3	150.4
22.5°	549.6	527.3	508.7	482.1	505.8	487.8	424.0	369.0	359.4	341.1	259.7
20°	893.7	803.4	723.6	786.0	802.9	698.2	568.0	577.0	643.2	579.4	406.1
17.5°	1833.2	1390.0	1216.9	1319.8	1235.6	1026.4	1024.0	1003.1	983.0	879.0	580.8
15°	3514.2	2621.3	2169.3	1984.2	1871.5	1775.2	1728.6	1494.4	1376.7	1206.7	863.5
12.5°	8255.2	4424.9	3215.5	2837.7	2745.5	2580.7	2475.5	2137.4	1826.7	1628.2	1298.8
10°	14323.0	7713.5	4872.6	3898.2	3609.7	3397.4	3117.4	2705.8	2306.0	2080.4	1748.3
7.5°	23718.0	12632.7	6906.0	4882.5	4340.0	3981.0	3571.3	3169.2	2766.6	2520.5	2201.9
5°	31074.2	16322.5	8204.6	5663.8	4948.8	4546.2	4027.8	3569.6	3209.0	2948.2	2647.0
2.5°	34806.2	18193.4	9035.3	6402.7	5517.9	5074.4	4491.6	3926.2	3531.2	3220.6	2901.3
0°	38321.7	21137.0	10325.7	6977.2	5977.2	5510.4	4958.5	4263.5	3790.5	3452.3	3122.4
-2.5°	35618.5	19457.6	9418.9	6503.8	5728.9	5301.4	4937.0	4377.9	3884.0	3489.4	3088.3
-5°	30805.5	16218.7	8426.4	6028.8	5343.9	5005.2	4749.2	4330.9	3867.2	3476.0	3010.4
-7.5°	24918.2	12908.8	7282.4	5490.8	4925.5	4672.3	4457.6	4097.1	3651.6	3306.9	2818.7
-10°	17677.7	9461.0	6066.4	4915.2	4523.3	4343.5	4177.8	3827.5	3431.4	3129.0	2592.4
-12.5°	12710.2	6852.8	4886.8	4313.3	4147.6	4052.1	3920.0	3536.8	3212.6	2946.9	2335.9
-15°	7660.9	5299.7	4326.7	3951.5	3818.6	3769.2	3657.2	3296.9	3043.1	2767.2	2053.1
-17.5°	5537.3	4234.5	3831.4	3667.9	3582.6	3508.2	3375.2	3115.8	2858.6	2511.4	1744.6
-20°	4182.3	3810.4	3573.6	3423.0	3363.7	3299.9	3143.2	2917.7	2645.5	2139.2	1448.0



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3751.3	3629.4	3465.5	3270.7	3143.3	3060.3	2919.1	2706.1	2407.3	1746.5	1158.0
-25°	3576.7	3553.7	3436.6	3245.8	3001.2	2837.5	2715.2	2491.8	2021.9	1388.6	914.3
-27.5°	3489.8	3486.8	3429.7	3203.0	2927.1	2683.3	2510.0	2243.9	1634.8	1121.5	879.7
-30°	3431.6	3392.3	3299.4	3078.8	2784.3	2554.1	2327.2	1823.0	1316.0	919.4	865.0
-32.5°	3339.1	3265.3	3118.4	2840.5	2604.6	2418.2	1954.5	1436.5	1011.7	902.6	858.0
-35°	3263.0	3077.8	2829.0	2631.7	2479.2	2034.4	1545.2	1113.8	936.7	885.9	852.4
-37.5°	3033.4	2796.6	2620.7	2419.2	2014.0	1581.5	1162.2	981.4	918.1	878.8	820.1
-40°	2773.7	2576.8	2241.6	1886.7	1515.0	1133.0	1024.1	969.6	920.9	853.3	774.0
-42.5°	2317.3	2011.8	1688.5	1358.8	1097.8	1058.9	1018.9	971.4	902.5	809.8	720.0
-45°	1691.8	1409.4	1157.1	1117.8	1078.8	1046.3	1017.7	939.7	847.7	753.3	662.2
-47.5°	1190.1	1152.1	1118.7	1092.6	1061.5	1022.5	951.6	872.0	777.5	688.0	607.4
-50°	1132.7	1111.9	1090.3	1058.8	996.7	931.8	860.8	785.8	701.0	622.6	547.5
-52.5°	1098.8	1052.1	1003.1	952.1	892.7	826.6	759.2	695.1	624.2	551.8	482.6
-55°	973.3	929.6	881.7	830.9	778.3	722.3	664.4	604.3	541.4	475.8	416.5
-57.5°	836.1	797.5	757.4	715.1	671.0	618.8	563.9	508.7	457.0	402.4	350.3
-60°	706.1	674.1	636.2	596.0	553.8	508.1	462.9	417.9	373.3	335.6	295.8
-62.5°	574.0	539.9	509.0	477.2	441.8	403.1	367.9	338.2	308.4	275.7	235.4
-65°	460.5	428.3	398.9	373.1	346.3	318.5	293.4	266.1	236.5	205.0	170.6
-67.5°	363.8	334.2	309.7	287.3	263.0	236.5	211.9	186.7	164.3	141.6	116.0
-70°	272.4	246.5	223.5	201.8	180.2	160.2	142.7	124.7	104.8	88.2	73.8
-72.5°	177.5	157.6	139.9	125.0	110.5	99.1	87.6	75.5	63.7	52.1	43.9
-75°	95.3	85.1	75.2	67.5	59.2	50.6	46.6	44.6	42.4	39.9	37.1
-77.5°	54.6	49.7	45.7	44.4	43.0	41.5	39.9	37.7	35.4	33.2	31.2
-80°	43.1	39.8	36.7	35.5	34.2	33.0	31.7	30.1	28.4	27.0	25.9
-82.5°	31.3	28.9	26.7	26.2	25.6	25.1	24.5	23.6	22.8	22.1	21.4
-85°	23.2	21.4	19.5	19.3	19.0	18.8	18.5	18.1	17.8	17.4	17.1
-87.5°	19.2	17.0	14.7	14.7	14.8	14.8	14.9	14.8	14.7	14.6	14.5
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	14.0	13.5	12.9	12.4	12.4	12.4	12.4	12.4	11.9	11.4	10.9
87.5°	6.2	6.2	6.2	6.2	6.5	6.7	6.9	7.1	7.3	7.6	7.9
85°	6.4	6.5	6.5	6.5	6.9	7.3	7.7	8.0	7.9	8.0	8.1
82.5°	6.8	7.2	7.5	7.7	7.7	7.8	8.0	8.3	8.3	8.3	8.3
80°	6.8	7.3	7.9	8.3	8.3	8.3	8.2	8.3	8.3	8.3	8.3
77.5°	7.4	7.6	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	12.1	9.0	8.3	8.3	8.3	8.3	8.3	8.4	8.3	8.3	8.3
67.5°	18.8	14.2	10.8	8.7	8.3	8.3	8.3	8.6	8.6	8.3	8.3
65°	30.7	21.2	14.2	11.4	9.3	8.3	8.3	8.7	9.0	8.8	8.3
62.5°	38.3	29.4	20.6	14.8	11.2	9.3	8.3	8.8	9.3	9.2	8.7
60°	41.0	32.5	26.4	20.2	14.3	10.5	9.2	8.9	9.4	9.8	9.2
57.5°	37.0	33.4	29.5	24.6	18.6	12.8	10.1	9.6	9.5	10.0	9.8
55°	30.9	29.2	31.0	27.7	22.2	16.1	11.8	10.4	9.8	10.1	10.4
52.5°	23.2	26.1	29.8	29.7	25.2	19.3	14.5	11.3	10.5	10.2	10.6
50°	17.6	22.4	28.2	30.4	28.0	22.2	16.7	13.0	11.3	10.4	10.8
47.5°	16.2	20.6	25.3	31.0	30.2	25.0	19.0	14.5	12.0	11.1	11.1
45°	17.4	20.3	23.8	28.7	32.0	26.7	21.2	15.7	13.0	11.8	11.4
42.5°	19.8	22.0	24.3	26.7	30.2	27.7	23.2	17.3	13.7	12.6	11.9
40°	24.7	25.0	25.9	28.1	28.7	28.4	23.9	18.9	14.2	13.4	12.5
37.5°	30.9	30.0	29.2	31.7	29.4	28.0	24.2	20.2	15.6	14.4	13.2
35°	40.5	36.9	36.1	37.7	34.5	28.6	24.2	20.9	17.9	15.5	13.8
32.5°	52.0	48.9	47.7	45.2	41.3	30.1	24.7	22.7	20.1	16.7	14.4
30°	68.6	70.9	61.9	53.8	49.5	36.5	27.6	24.8	22.4	18.0	15.1
27.5°	101.9	99.0	80.1	66.7	57.7	45.3	33.6	27.3	24.6	19.5	16.1
25°	144.8	133.1	107.7	82.2	66.6	72.9	40.9	30.2	26.7	21.4	17.2
22.5°	201.7	172.6	139.4	99.2	107.3	109.9	56.2	35.9	28.9	23.2	18.3
20°	267.5	217.1	187.1	165.2	157.0	146.5	83.2	42.2	31.3	25.0	19.4
17.5°	351.3	309.6	300.1	250.5	212.5	186.6	115.2	49.0	33.8	26.7	20.4
15°	578.3	457.2	421.2	345.9	271.5	229.5	151.1	56.1	36.4	28.4	21.4
12.5°	863.9	605.5	548.7	449.1	333.1	274.6	189.8	63.5	39.0	30.0	22.2
10°	1179.4	753.8	680.7	557.4	396.3	320.9	229.7	72.1	43.3	31.6	22.9
7.5°	1511.6	901.3	814.9	668.2	459.0	365.6	271.3	83.7	48.1	33.2	23.5
5°	1819.4	1028.9	926.3	761.3	514.9	406.8	311.2	95.1	53.0	34.7	24.1
2.5°	1994.6	1125.3	1019.8	846.9	569.0	446.2	347.8	106.0	57.7	36.1	24.5
0°	2136.9	1217.8	1107.9	925.3	620.3	483.4	379.7	116.2	62.2	37.3	24.9
-2.5°	2099.7	1203.6	1091.5	918.1	636.2	494.6	384.4	135.0	77.0	47.0	29.7
-5°	2026.6	1185.1	1070.1	903.6	647.9	502.9	384.1	152.4	91.1	56.3	34.4
-7.5°	1886.1	1143.6	1037.0	882.4	655.0	507.8	379.7	168.4	104.2	64.9	38.6
-10°	1706.7	1087.5	990.1	846.2	645.1	506.1	372.1	182.7	116.2	72.7	42.4
-12.5°	1498.6	1030.1	944.3	807.5	629.7	498.9	362.4	195.0	126.8	79.4	45.6
-15°	1264.1	972.2	901.3	767.8	611.5	489.8	351.2	205.1	135.8	85.4	48.1
-17.5°	1010.9	914.6	862.7	728.5	590.9	479.2	339.4	213.1	143.3	90.9	50.7
-20°	939.1	876.7	826.1	690.7	568.2	467.2	327.5	218.6	149.3	94.9	52.9



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	904.1	855.9	785.0	659.7	546.9	454.1	316.5	221.7	153.5	97.5	54.1
-25°	871.6	836.8	745.9	631.0	529.1	434.8	312.1	222.3	156.0	98.5	54.0
-27.5°	848.3	811.9	707.0	599.9	509.4	418.5	311.2	224.1	156.8	97.9	52.7
-30°	830.3	768.0	669.7	569.2	487.3	396.4	307.1	223.8	155.7	96.1	49.9
-32.5°	815.4	725.8	631.1	542.8	461.4	373.1	293.6	221.1	152.3	92.9	48.2
-35°	776.8	684.8	591.4	514.0	433.8	351.7	276.1	215.9	146.6	87.7	46.1
-37.5°	735.4	642.3	557.9	483.1	405.3	328.1	259.7	200.7	138.5	80.4	43.1
-40°	686.5	600.0	523.2	451.4	376.8	302.3	241.1	183.1	128.4	71.2	39.2
-42.5°	635.1	558.5	486.0	418.5	346.4	279.4	220.2	163.7	112.3	63.8	34.2
-45°	586.0	513.6	445.4	380.0	314.5	254.1	196.7	142.7	94.4	57.0	30.5
-47.5°	532.9	465.3	401.1	339.0	283.6	226.2	171.0	121.5	75.7	48.9	29.4
-50°	476.2	413.7	353.9	300.0	249.0	195.5	144.1	99.0	64.0	38.6	27.9
-52.5°	418.5	359.9	308.9	261.2	212.0	162.5	117.8	76.5	51.8	33.6	26.2
-55°	358.9	310.0	265.8	219.8	173.3	130.9	90.2	62.1	39.0	30.8	24.4
-57.5°	306.7	262.9	219.5	176.1	136.4	98.8	69.2	47.1	33.7	28.1	23.6
-60°	254.6	211.5	170.7	135.0	100.4	72.4	51.8	35.6	30.7	25.6	22.7
-62.5°	196.0	158.9	126.4	94.9	71.5	52.7	36.6	32.4	27.7	24.3	21.7
-65°	141.3	111.7	83.3	66.5	49.5	36.9	33.2	29.2	25.7	23.0	20.6
-67.5°	90.2	73.7	57.4	42.2	36.3	33.1	29.7	26.7	23.9	21.5	19.6
-70°	59.5	45.2	38.3	35.1	32.2	29.4	27.0	24.4	22.1	20.5	18.6
-72.5°	40.2	36.8	33.5	30.7	28.9	26.9	24.5	22.4	21.1	19.5	17.6
-75°	34.1	31.8	30.0	28.4	26.5	24.4	22.8	21.5	20.1	18.5	16.5
-77.5°	29.5	28.2	27.1	25.8	24.0	22.6	21.6	20.7	19.1	17.2	15.3
-80°	25.1	24.2	23.4	22.5	21.4	20.7	20.0	19.3	17.6	15.9	14.2
-82.5°	20.8	20.3	19.9	19.5	19.1	18.6	18.2	17.6	16.1	14.5	13.1
-85°	17.0	17.0	17.1	17.2	16.9	16.6	16.3	15.9	14.7	13.5	12.4
-87.5°	14.7	14.8	14.8	14.8	14.7	14.5	14.3	14.2	13.3	12.5	11.7
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	9.9	9.4	8.8	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.4	8.5	8.3	8.3	8.3	8.3	8.3
72.5°	8.4	8.6	8.5	8.3	8.3	8.3	8.3
70°	8.5	8.8	8.7	8.3	8.3	8.3	8.3
67.5°	8.5	8.9	8.9	8.5	8.3	8.3	8.3
65°	8.6	9.1	9.1	8.8	8.3	8.3	8.3
62.5°	8.6	9.1	9.4	9.0	8.3	8.3	8.3
60°	8.7	9.2	9.6	9.2	8.3	8.3	8.3
57.5°	9.2	9.2	9.7	9.4	8.5	8.3	8.3
55°	9.7	9.3	9.7	9.6	8.6	8.3	8.3
52.5°	10.2	9.4	9.8	9.9	8.8	8.3	8.3
50°	10.7	9.8	9.8	10.1	8.9	8.3	8.3
47.5°	11.2	10.2	9.9	10.3	9.0	8.3	8.3
45°	11.4	10.6	10.0	10.3	9.2	8.3	8.3
42.5°	11.7	11.0	10.0	10.4	9.3	8.3	8.3
40°	12.1	11.4	10.2	10.4	9.4	8.3	8.3
37.5°	12.4	11.8	10.5	10.5	9.5	8.3	8.3
35°	12.8	12.1	10.8	10.5	9.6	8.3	8.3
32.5°	13.3	12.4	11.1	10.6	9.7	8.3	8.3
30°	13.8	12.7	11.3	10.7	9.8	8.3	8.3
27.5°	14.3	13.1	11.6	10.8	9.9	8.3	8.3
25°	14.8	13.4	11.8	10.9	10.0	8.3	8.3
22.5°	15.3	13.7	11.9	11.1	10.1	8.3	8.3
20°	15.7	13.9	12.1	11.2	10.1	8.3	8.3
17.5°	16.1	14.0	12.2	11.3	10.2	8.3	8.3
15°	16.5	14.1	12.3	11.5	10.3	8.3	8.3
12.5°	16.9	14.2	12.3	11.7	10.3	8.3	8.3
10°	17.3	14.3	12.4	11.8	10.3	8.3	8.3
7.5°	17.7	14.4	12.4	12.0	10.4	8.3	8.3
5°	18.1	14.5	12.4	12.1	10.4	8.3	8.3
2.5°	18.4	14.5	12.4	12.3	10.4	8.3	8.3
0°	18.7	14.5	12.4	12.4	10.4	8.3	8.3
-2.5°	20.3	15.0	12.8	12.5	10.5	8.3	8.3
-5°	21.9	15.4	13.1	12.7	10.6	8.4	8.3
-7.5°	23.3	15.8	13.5	12.8	10.6	8.4	8.3
-10°	24.5	16.2	13.8	12.9	10.7	8.5	8.3
-12.5°	25.5	16.6	14.1	12.9	10.7	8.5	8.3
-15°	26.3	16.9	14.4	13.0	10.8	8.6	8.3
-17.5°	26.8	17.2	14.7	13.1	10.8	8.6	8.3
-20°	27.3	17.5	14.9	13.1	10.8	8.6	8.3



REPORT NUMBER: P731696 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.0	17.8	15.1	13.1	10.9	8.7	8.3
-25°	28.1	18.1	15.3	13.2	10.9	8.7	8.3
-27.5°	27.6	18.5	15.4	13.2	10.9	8.7	8.3
-30°	26.6	18.7	15.5	13.1	10.9	8.8	8.3
-32.5°	24.9	18.8	15.6	13.1	10.8	8.8	8.3
-35°	24.4	18.8	15.6	13.1	10.8	8.8	8.3
-37.5°	24.3	18.7	15.6	13.0	10.8	8.8	8.3
-40°	24.0	18.7	15.5	13.0	10.7	8.8	8.3
-42.5°	23.6	18.6	15.5	12.9	10.7	8.8	8.3
-45°	22.8	18.4	15.4	12.8	10.6	8.8	8.3
-47.5°	21.9	18.2	15.2	12.7	10.6	8.8	8.3
-50°	21.5	18.0	15.0	12.6	10.5	8.8	8.3
-52.5°	21.1	17.7	14.8	12.4	10.4	8.8	8.3
-55°	20.6	17.3	14.5	12.2	10.3	8.8	8.3
-57.5°	20.0	16.9	14.2	12.1	10.2	8.8	8.3
-60°	19.4	16.5	13.9	11.9	10.1	8.8	8.3
-62.5°	18.7	16.0	13.6	11.6	10.0	8.7	8.3
-65°	18.0	15.4	13.2	11.4	9.9	8.7	8.3
-67.5°	17.2	14.8	12.8	11.1	9.8	8.7	8.3
-70°	16.4	14.2	12.4	10.9	9.6	8.6	8.3
-72.5°	15.5	13.5	11.9	10.6	9.5	8.6	8.3
-75°	14.5	12.8	11.4	10.4	9.3	8.6	8.3
-77.5°	13.5	12.1	11.1	10.1	9.2	8.5	8.3
-80°	12.5	11.6	10.7	9.9	9.0	8.5	8.3
-82.5°	11.9	11.2	10.4	9.6	8.8	8.4	8.3
-85°	11.4	10.7	10.1	9.4	8.7	8.4	8.3
-87.5°	10.9	10.3	9.7	9.1	8.5	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

