

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: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-3S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731628 (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-40-80-3S-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

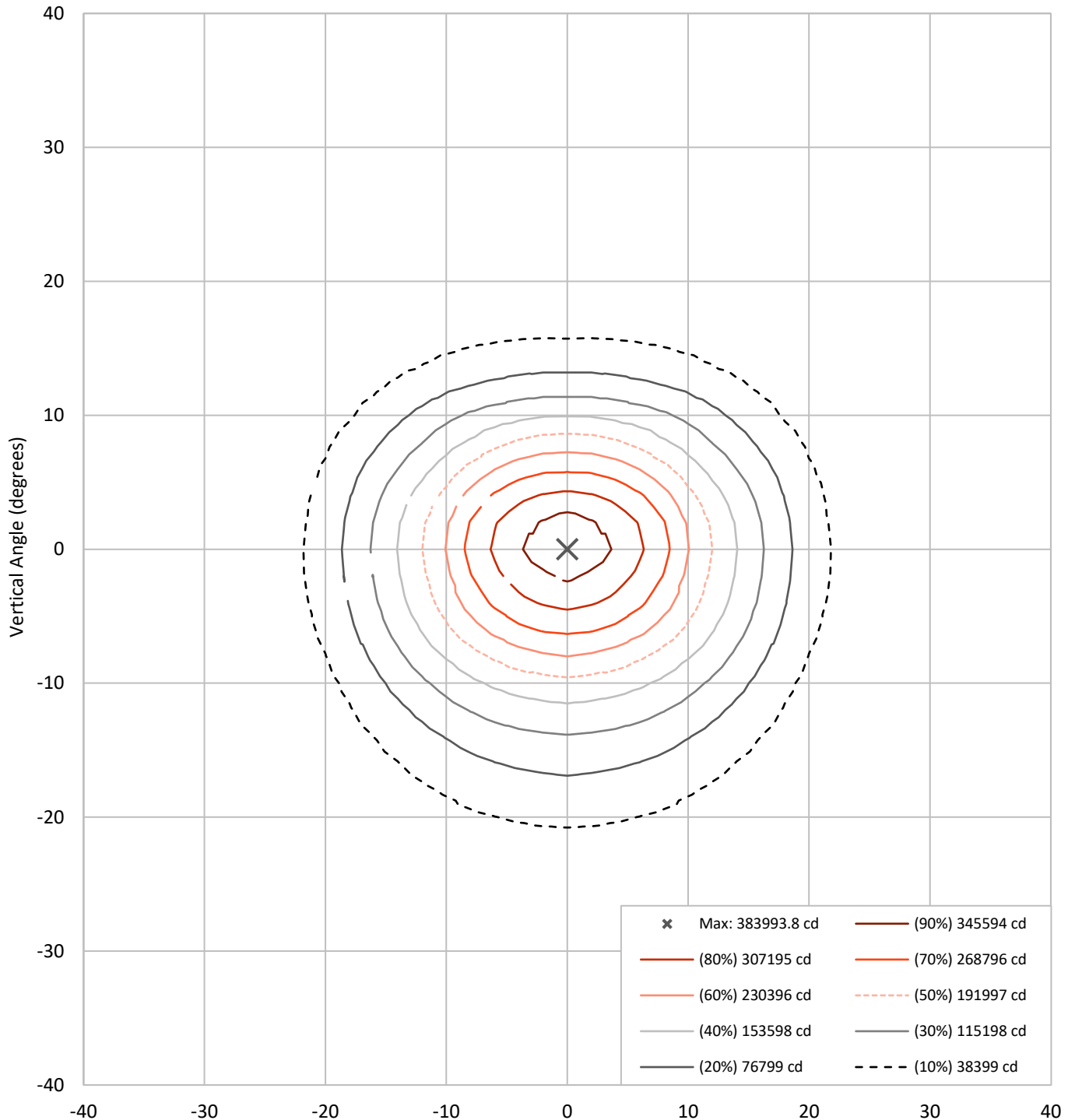
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64194.2 lumens	Max Intensity:	383993.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	92.1 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:	27460.8 lumens	Field Lumens:	54860.3 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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CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV5

### Iso-Candela Plot





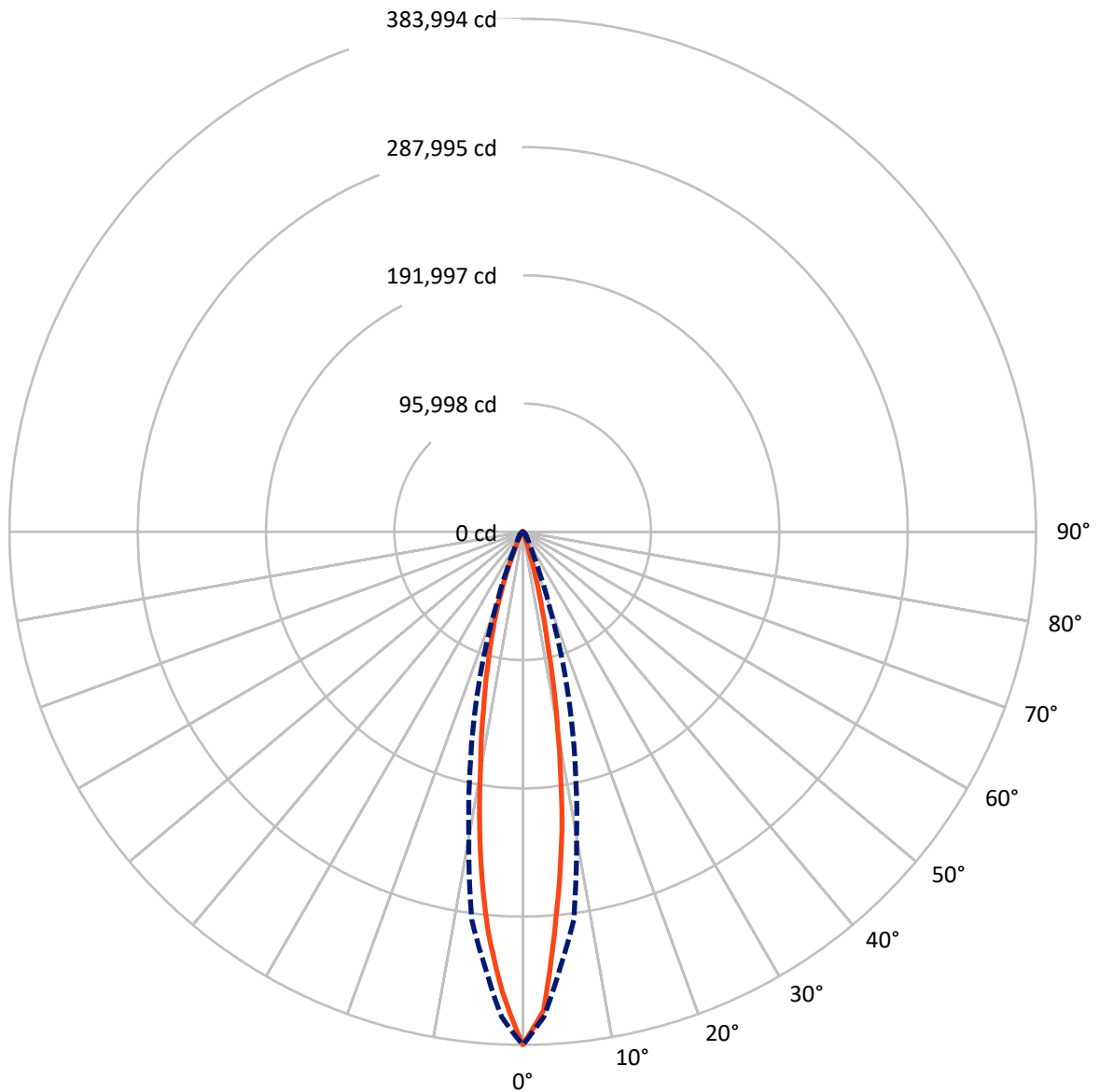
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### Lumen Table

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	0.7	0.9	0.5	0.3	0.3	0.3	0.3	0.5	0.9	0.7	0.2	0.1	0.2		
60		0.1	0.4	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.4	0.1			
50	0.2	0.2	0.4	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.2	0.2		
40		0.3	0.7	1.0	1.7	2.5	3.1	4.1	4.1	3.1	2.5	1.7	1.0	0.7	0.3			
30	0.3	0.5	1.8	4.5	8.5	12.9	29.2	58.7	58.7	29.2	12.9	8.5	4.5	1.8	0.5	0.3		
20		1.3	6.6	21.1	46.2	124.0	687.6	1573.5	1573.5	687.6	124.0	46.2	21.1	6.6	1.3			
10	0.4	2.3	13.8	49.9	116.4	512.0	3211.3	7495.9	7495.9	3211.3	512.0	116.4	49.9	13.8	2.3	0.4		
0		3.1	16.5	58.4	130.6	545.7	3425.1	7720.6	7720.6	3425.1	545.7	130.6	58.4	16.5	3.1			
-10	0.7	3.3	14.2	44.3	92.7	235.2	1243.6	2798.7	2798.7	1243.6	235.2	92.7	44.3	14.2	3.3	0.7		
-20		3.2	11.5	27.8	65.5	111.0	240.8	484.2	484.2	240.8	111.0	65.5	27.8	11.5	3.2			
-30	0.5	2.9	9.2	19.4	42.4	76.5	104.0	121.3	121.3	104.0	76.5	42.4	19.4	9.2	2.9	0.5		
-40		2.0	6.8	14.7	26.3	42.9	65.8	82.7	82.7	65.8	42.9	26.3	14.7	6.8	2.0			
-50	0.3	1.0	4.1	9.3	16.7	24.6	31.1	35.0	35.0	31.1	24.6	16.7	9.3	4.1	1.0	0.3		
-60		0.4	1.4	4.0	7.5	11.6	15.6	17.9	17.9	15.6	11.6	7.5	4.0	1.4	0.4			
-70	0.2	0.9	3.1	8.3	12.8	8.3	3.1	0.9	0.2							0.2		
-80		0.2	0.9	3.1	8.3	12.8	8.3	3.1	0.9	0.2								
-90	0.2	0.9	3.1	8.3	12.8	8.3	3.1	0.9	0.2									

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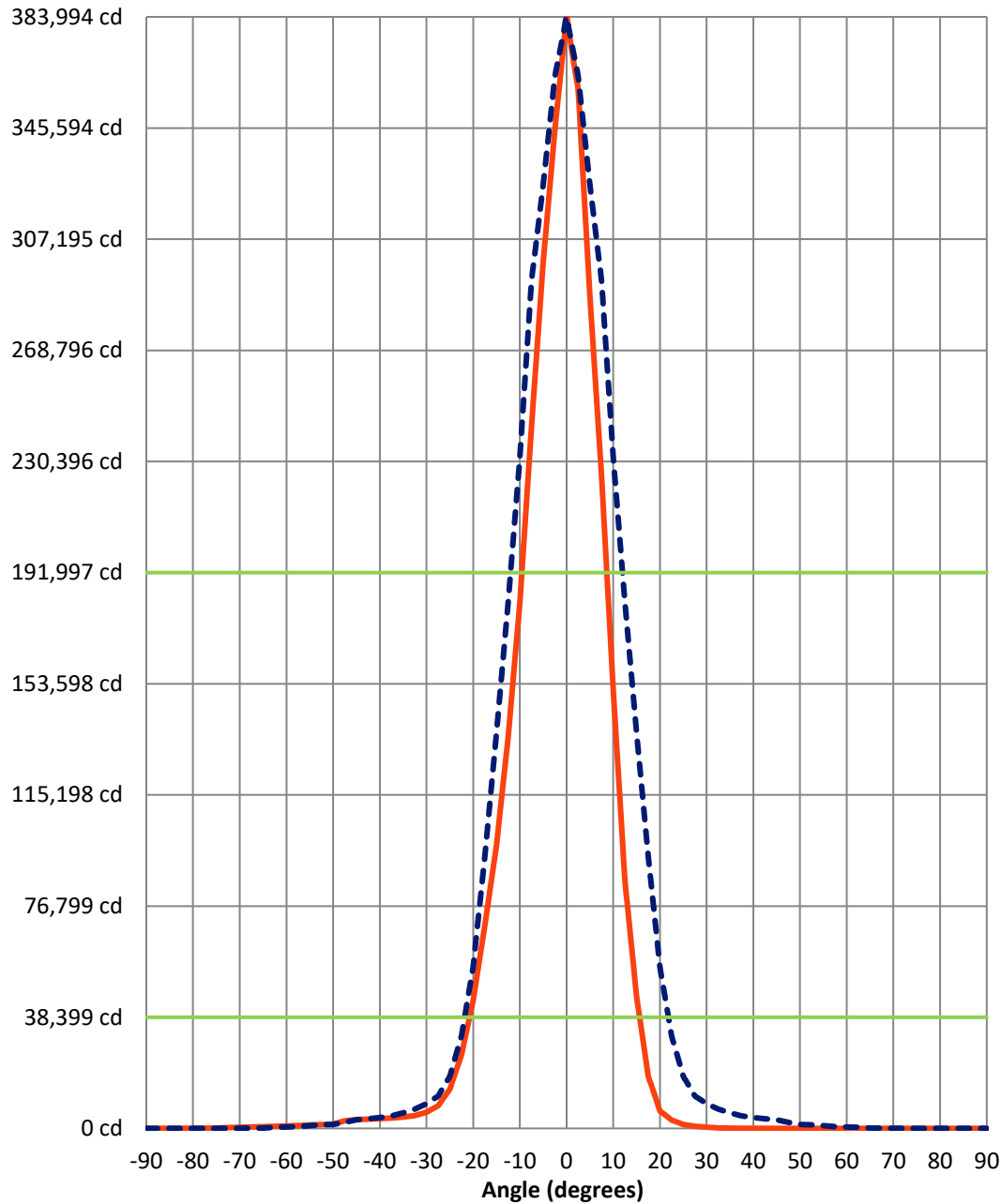
### Luminous Intensity Polar Plot



— 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: 27460.8  
 Efficiency: 42.8%

**Field:**  
 H Angle: 43.7°  
 V Angle: 36.4°  
 Lumens: 54860.3  
 Efficiency: 85.5%

**Spill:**  
 Lumens: 9333.9  
 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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.7
67.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.1	8.1	8.8	9.5
65°	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.1	8.7	9.5	9.9
62.5°	8.1	8.1	8.1	8.1	8.1	8.3	8.3	8.5	9.4	10.0	9.4
60°	8.1	8.1	8.1	8.1	8.1	8.5	8.5	9.0	10.0	9.7	8.9
57.5°	8.1	8.1	8.1	8.1	8.3	8.7	8.9	9.5	10.0	9.5	8.8
55°	8.1	8.1	8.2	8.1	8.5	8.9	9.2	10.0	9.9	9.4	8.9
52.5°	8.1	8.1	8.2	8.1	8.7	9.1	9.6	10.1	9.9	9.5	9.0
50°	8.1	8.1	8.2	8.1	8.9	9.4	9.9	10.2	10.0	9.6	11.0
47.5°	8.1	8.1	8.3	8.1	9.2	9.6	10.1	10.4	10.1	9.7	12.7
45°	8.1	8.1	8.3	8.3	9.4	9.7	10.3	10.6	10.3	10.7	14.0
42.5°	8.1	8.1	8.4	8.5	9.6	9.9	10.5	10.8	10.5	11.4	15.3
40°	8.1	8.1	8.5	8.7	9.8	10.0	10.7	11.1	11.0	11.9	16.6
37.5°	8.1	8.1	8.6	9.0	9.9	10.1	11.0	11.4	11.9	13.2	17.8
35°	8.1	8.1	8.6	9.2	10.0	10.2	11.3	11.8	12.8	15.3	18.5
32.5°	8.1	8.1	8.7	9.3	10.0	10.5	11.6	12.2	13.8	17.5	20.3
30°	8.1	8.1	8.8	9.5	10.1	10.7	11.9	12.7	14.7	19.7	22.5
27.5°	8.1	8.1	8.9	9.6	10.1	10.9	12.3	13.5	16.1	22.0	25.1
25°	8.1	8.1	9.0	9.7	10.1	11.2	12.6	14.3	17.9	24.3	28.3
22.5°	8.1	8.1	9.1	9.8	10.1	11.4	13.0	15.1	19.8	26.6	34.1
20°	8.1	8.1	9.3	9.9	10.1	11.6	13.4	15.9	21.6	29.2	40.5
17.5°	8.1	8.1	9.4	10.0	10.1	11.7	13.6	16.7	23.4	31.9	47.3
15°	8.1	8.1	9.5	10.0	10.1	11.8	13.8	17.6	25.2	34.8	54.5
12.5°	8.1	8.1	9.6	10.1	10.1	11.9	13.9	18.7	27.2	37.6	61.9
10°	8.1	8.1	9.7	10.1	10.1	12.0	14.0	19.8	29.3	42.4	70.9
7.5°	8.1	8.1	9.8	10.1	10.1	12.1	14.1	21.0	31.3	47.7	83.5
5°	8.1	8.1	9.9	10.1	10.1	12.2	14.2	22.2	33.2	52.9	96.1
2.5°	8.1	8.1	10.0	10.1	10.1	12.2	14.2	23.3	34.9	58.1	108.2
0°	8.1	8.1	10.1	10.1	10.1	12.2	14.2	24.3	36.5	62.9	119.6
-2.5°	8.1	8.1	10.1	10.1	10.3	12.6	16.1	29.0	46.3	77.3	137.0
-5°	8.1	8.1	10.1	10.1	10.5	13.0	17.9	33.5	55.7	91.0	153.1
-7.5°	8.1	8.1	10.1	10.1	10.6	13.4	19.6	37.6	64.5	103.8	167.7
-10°	8.1	8.1	10.0	10.1	10.8	13.7	21.1	41.2	72.4	115.5	180.9
-12.5°	8.1	8.1	10.0	10.1	10.9	14.0	22.4	44.2	79.1	126.0	192.8
-15°	8.1	8.1	10.0	10.1	11.0	14.2	23.4	46.5	85.3	135.5	203.2
-17.5°	8.1	8.1	9.9	10.1	11.1	14.4	24.0	49.1	91.2	143.8	211.4
-20°	8.1	8.1	9.9	10.1	11.2	14.5	24.7	51.6	95.5	150.5	217.6



REPORT NUMBER: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.1	9.8	10.1	11.2	14.6	25.5	52.9	98.3	155.7	221.4
-25°	8.1	8.1	9.7	10.1	11.2	14.7	25.6	53.0	99.4	159.3	223.0
-27.5°	8.1	8.1	9.6	10.1	11.2	14.8	25.1	51.8	98.7	160.9	226.0
-30°	8.1	8.1	9.6	10.1	11.1	14.8	23.8	49.3	97.0	159.8	227.1
-32.5°	8.1	8.1	9.5	10.1	11.1	14.7	21.7	47.4	93.9	156.2	226.1
-35°	8.1	8.1	9.4	10.1	11.1	14.5	20.9	45.0	88.9	150.0	222.9
-37.5°	8.1	8.1	9.3	10.1	11.0	14.2	20.5	41.4	81.8	141.3	207.9
-40°	8.1	8.1	9.2	10.1	10.9	14.1	20.0	36.6	72.7	131.1	189.5
-42.5°	8.1	8.1	9.0	10.1	10.8	13.9	19.3	30.7	64.6	115.2	169.2
-45°	8.1	8.1	8.9	10.1	10.8	13.6	18.5	26.2	56.4	97.4	147.4
-47.5°	8.1	8.1	8.8	10.1	10.8	13.2	17.4	24.9	46.5	78.4	125.9
-50°	8.1	8.1	8.7	10.0	10.7	12.8	16.7	23.4	34.4	64.7	103.0
-52.5°	8.1	8.1	8.5	9.8	10.6	12.3	16.0	21.6	28.9	50.4	79.6
-55°	8.1	8.1	8.4	9.6	10.5	12.0	15.2	19.7	26.3	35.4	62.8
-57.5°	8.1	8.1	8.2	9.4	10.3	11.6	14.3	18.5	23.5	29.6	45.4
-60°	8.1	8.1	8.1	9.2	10.1	11.3	13.3	17.1	20.9	26.4	32.0
-62.5°	8.1	8.1	8.1	9.1	9.9	10.8	12.7	15.6	19.2	23.1	28.4
-65°	8.1	8.1	8.1	8.9	9.7	10.4	11.9	14.3	17.5	20.9	24.6
-67.5°	8.1	8.1	8.1	8.7	9.6	10.0	11.1	13.2	15.7	18.9	22.0
-70°	8.1	8.1	8.1	8.5	9.4	9.9	10.2	12.2	14.5	16.8	19.7
-72.5°	8.1	8.1	8.1	8.5	9.2	9.8	10.1	11.1	13.3	15.4	17.6
-75°	8.1	8.1	8.1	8.4	9.1	9.7	10.1	10.7	12.0	14.0	16.0
-77.5°	8.1	8.1	8.1	8.4	8.9	9.6	10.1	10.5	11.4	12.7	14.4
-80°	8.1	8.1	8.1	8.3	8.8	9.4	10.1	10.3	10.8	11.6	12.8
-82.5°	8.1	8.1	8.1	8.3	8.6	9.1	9.6	9.9	10.1	10.5	11.2
-85°	8.1	8.1	8.1	8.2	8.4	8.7	9.1	9.3	9.5	9.6	9.8
-87.5°	8.1	8.1	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.9
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1





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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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.6	9.1	9.6
87.5°	7.8	7.6	7.4	7.2	7.0	6.7	6.4	6.1	6.1	6.1	6.1
85°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.1	6.1	6.1
82.5°	8.1	8.1	8.1	8.1	7.6	7.1	6.7	6.4	6.4	6.4	6.3
80°	8.1	8.1	8.1	8.1	7.9	7.7	7.7	7.8	7.6	7.2	6.7
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.7	7.2	6.7
75°	8.1	8.1	8.2	8.2	8.1	8.1	8.1	8.1	7.9	7.8	7.8
72.5°	8.4	8.7	8.6	8.3	8.1	8.1	8.1	8.1	9.6	11.6	13.1
70°	9.2	9.3	8.7	8.3	8.1	8.6	11.1	14.5	18.1	20.7	24.0
67.5°	9.8	8.9	8.3	8.3	9.8	12.5	16.4	25.1	34.7	38.4	39.5
65°	9.1	8.3	8.6	10.0	12.0	19.2	28.7	39.9	48.1	47.5	45.1
62.5°	8.3	8.4	9.5	12.8	19.3	28.2	36.9	44.8	52.6	50.4	43.3
60°	8.2	8.6	12.4	19.1	26.0	32.5	40.6	45.1	48.6	48.4	38.3
57.5°	8.4	11.0	17.6	24.1	29.6	34.6	37.1	40.2	41.5	41.6	31.1
55°	9.7	15.1	21.5	27.0	31.1	30.4	31.4	31.8	31.9	29.8	21.1
52.5°	12.9	18.6	23.8	28.6	29.6	26.7	23.3	23.4	21.9	18.5	15.3
50°	15.6	20.6	25.7	29.0	27.7	22.2	17.2	17.1	15.6	13.5	11.6
47.5°	17.5	22.5	27.5	29.3	24.7	20.1	15.9	13.9	12.4	11.9	10.6
45°	19.1	24.0	29.2	27.4	23.3	19.9	16.4	12.2	12.7	12.6	13.0
42.5°	20.7	25.1	28.0	26.1	23.8	21.3	18.1	15.6	14.6	16.1	16.7
40°	21.4	25.7	27.1	27.5	25.3	23.9	23.5	21.6	18.8	21.3	22.2
37.5°	21.7	25.7	28.2	31.6	28.5	29.3	30.5	31.0	29.3	28.6	32.1
35°	21.6	26.4	34.0	38.0	35.5	37.3	40.8	42.4	42.5	41.7	47.8
32.5°	22.2	27.8	42.1	45.4	48.1	50.2	52.5	56.4	59.8	63.7	73.8
30°	25.0	35.3	51.2	53.9	63.4	73.4	70.6	72.5	80.5	105.8	128.0
27.5°	31.2	45.5	59.2	67.4	82.9	103.9	110.4	97.6	120.7	160.0	197.7
25°	38.5	73.7	67.9	84.1	112.9	144.3	161.8	159.9	182.5	232.3	276.9
22.5°	54.1	110.5	107.0	102.2	147.8	193.8	223.7	275.7	348.8	348.5	364.6
20°	81.2	145.6	156.5	170.0	199.4	250.8	293.6	431.1	583.4	635.2	578.7
17.5°	112.9	184.4	212.8	258.6	323.8	357.0	381.5	616.8	874.3	976.4	1008.4
15°	148.2	226.1	272.9	357.6	461.8	520.7	624.6	893.5	1197.7	1370.7	1499.3
12.5°	185.8	270.1	336.0	464.8	609.6	687.5	917.9	1307.1	1610.1	1818.9	2145.8
10°	224.6	315.4	400.8	577.1	764.3	856.3	1231.9	1733.1	2049.7	2291.3	2738.6
7.5°	267.3	360.6	465.2	691.8	922.3	1025.9	1556.2	2162.3	2478.1	2747.2	3252.7
5°	308.9	403.9	523.0	789.4	1048.9	1168.9	1848.7	2583.6	2894.2	3186.3	3716.9
2.5°	347.3	445.4	578.4	879.2	1149.4	1269.0	1989.5	2798.0	3136.7	3499.1	4067.6
0°	381.2	484.7	630.7	961.2	1241.1	1364.8	2100.9	2983.0	3333.9	3745.5	4323.5
-2.5°	388.4	500.3	649.3	960.0	1228.8	1362.4	2111.7	2991.2	3401.8	3836.9	4402.6
-5°	390.3	512.8	663.6	950.5	1208.4	1354.5	2089.9	2961.0	3413.0	3814.7	4324.0
-7.5°	387.6	521.7	673.5	931.6	1168.7	1309.5	1966.7	2777.5	3234.6	3584.5	4063.5
-10°	380.6	520.5	662.5	889.3	1105.3	1241.2	1798.1	2565.8	3048.8	3350.0	3767.3
-12.5°	368.4	510.7	645.0	843.8	1041.2	1171.5	1601.6	2331.3	2860.5	3117.7	3455.3
-15°	354.8	499.2	624.4	796.8	978.5	1101.4	1378.6	2078.3	2681.1	2943.0	3193.9
-17.5°	340.6	486.1	600.9	749.9	919.3	1031.8	1137.8	1809.4	2454.2	2764.9	3007.3
-20°	326.6	471.8	574.8	704.2	863.5	977.9	1064.8	1537.0	2135.3	2567.6	2811.0



REPORT NUMBER: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	313.7	456.5	550.1	668.8	814.3	934.9	1023.1	1270.4	1798.8	2353.0	2616.1
-25°	308.9	434.6	529.9	637.8	767.3	891.5	982.5	1044.3	1480.9	2029.5	2430.3
-27.5°	309.1	416.3	510.6	604.5	720.4	845.3	936.1	999.9	1239.3	1711.6	2220.9
-30°	306.3	394.2	489.4	572.1	679.2	792.2	888.1	976.2	1051.9	1430.0	1879.4
-32.5°	294.7	371.0	463.7	546.7	637.8	741.0	848.8	943.0	1025.2	1148.2	1555.4
-35°	279.1	351.8	435.9	519.5	595.8	695.3	801.3	904.3	991.6	1067.9	1253.7
-37.5°	264.8	330.0	407.1	489.5	564.5	649.8	750.2	853.4	947.2	1037.9	1121.9
-40°	248.6	305.7	379.6	457.2	532.0	606.5	697.2	794.7	893.5	998.1	1099.2
-42.5°	229.9	285.6	350.4	423.5	494.5	567.4	641.8	733.5	832.9	943.6	1048.9
-45°	205.3	263.3	319.6	385.5	452.8	523.7	595.4	669.3	765.4	867.4	977.7
-47.5°	178.6	237.6	292.3	345.1	408.4	474.5	544.3	616.9	692.7	785.7	884.7
-50°	150.6	205.6	261.1	308.8	361.8	422.8	487.0	559.1	631.4	704.3	788.6
-52.5°	123.4	171.3	223.4	272.9	318.6	369.7	429.2	494.5	563.6	633.7	698.8
-55°	94.6	138.2	183.1	231.5	277.8	321.1	369.1	427.7	489.5	554.5	614.2
-57.5°	71.4	104.2	144.2	186.4	231.2	275.1	317.0	359.4	412.8	470.2	521.3
-60°	51.3	75.2	105.8	142.9	181.2	222.7	264.8	304.4	343.4	381.0	426.8
-62.5°	33.6	52.3	73.9	99.9	133.8	168.8	206.2	244.3	282.3	314.9	345.0
-65°	29.5	33.8	48.4	67.9	87.2	118.7	150.4	180.8	214.1	244.1	273.1
-67.5°	25.2	29.1	33.0	39.8	57.3	76.9	97.4	125.2	151.6	173.2	194.7
-70°	22.3	24.7	27.9	31.4	35.0	43.0	60.1	78.1	95.7	112.3	130.7
-72.5°	19.7	21.8	23.9	26.0	29.1	32.8	36.7	40.7	50.6	63.9	76.6
-75°	17.5	19.0	20.8	22.6	24.6	26.8	29.3	32.6	35.8	38.6	41.1
-77.5°	15.5	16.6	17.9	19.3	20.9	22.6	24.4	26.3	28.4	30.5	32.8
-80°	13.5	14.2	15.0	15.9	17.2	18.6	19.9	21.1	22.3	23.7	25.3
-82.5°	11.7	12.1	12.6	13.0	13.8	14.8	15.8	16.9	17.2	17.6	18.1
-85°	9.9	10.1	10.4	10.7	11.1	11.5	12.1	12.6	12.8	12.8	12.8
-87.5°	9.0	9.1	9.2	9.2	9.3	9.4	9.5	9.5	9.7	9.9	10.0
-90°	7.6	7.1	6.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.1	10.6	11.1	11.7	12.2	16.7	21.3	25.8	30.4	38.0	45.6
87.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	6.1	5.6	5.1	4.6	4.1	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	6.1	5.6	5.1	4.6	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.2	5.8	5.6	5.4	5.4	5.2	4.9	4.5	4.1	4.1	4.0
77.5°	6.4	6.4	6.5	6.4	6.2	5.7	5.2	4.7	4.2	4.1	4.1
75°	7.9	8.1	8.3	8.0	7.3	6.8	6.5	6.1	5.8	5.5	5.1
72.5°	14.2	14.3	13.6	13.1	11.9	11.3	11.4	11.3	10.9	10.8	10.6
70°	26.0	26.4	25.4	22.9	19.4	17.0	15.9	14.5	12.8	12.1	12.1
67.5°	37.0	33.9	30.6	27.2	22.8	19.1	16.9	14.9	13.0	12.0	11.4
65°	40.6	33.2	27.7	23.4	20.1	17.2	14.9	12.7	10.5	9.1	8.6
62.5°	35.3	26.3	21.0	17.7	15.3	13.8	11.5	9.6	7.8	6.8	7.1
60°	28.6	19.4	14.4	12.6	11.2	10.1	8.9	7.7	6.7	6.1	6.2
57.5°	21.4	14.1	10.1	9.8	9.3	8.5	7.8	7.2	6.6	6.1	6.1
55°	14.8	11.7	10.1	9.6	9.0	8.5	7.9	7.3	6.7	6.1	6.1
52.5°	11.6	10.6	10.2	9.8	9.2	8.6	8.0	7.4	6.8	6.2	6.1
50°	10.6	10.2	10.3	9.9	9.4	8.8	8.2	7.8	7.7	7.4	7.5
47.5°	10.9	11.2	10.9	10.2	9.8	9.9	9.9	9.9	10.0	9.6	9.5
45°	12.4	12.5	12.3	12.2	11.7	12.9	13.6	13.7	15.8	15.0	12.7
42.5°	15.5	16.2	17.1	18.1	16.8	21.4	28.7	33.7	28.8	22.8	19.2
40°	23.4	24.0	29.2	31.9	37.7	44.4	40.4	33.8	30.1	32.2	33.4
37.5°	36.9	43.1	51.6	61.0	58.7	48.7	49.8	49.7	48.0	52.1	52.4
35°	60.3	75.5	82.6	84.9	80.7	77.5	80.4	83.2	76.9	86.7	89.9
32.5°	98.5	117.1	121.3	116.9	117.4	124.2	129.3	138.5	147.7	162.5	180.2
30°	145.3	165.3	174.8	166.0	167.9	184.0	194.4	215.5	249.1	287.6	335.5
27.5°	215.2	230.1	247.1	249.5	241.4	265.1	302.1	324.3	414.7	474.6	582.4
25°	307.5	330.5	345.5	370.9	384.5	413.1	484.2	552.5	691.4	826.6	1056.1
22.5°	428.6	502.6	529.8	526.0	605.8	682.8	743.3	934.7	1208.2	1608.6	2059.4
20°	588.7	740.7	869.8	911.8	940.2	1143.1	1351.8	1945.9	2626.8	3763.4	4647.0
17.5°	1061.1	1111.1	1394.8	1625.7	1735.6	2165.4	3139.6	4635.0	7205.1	10721.8	12884.0
15°	1771.6	1914.3	2198.8	2687.3	3291.8	4431.0	6057.3	10824.6	17416.2	24619.6	31477.6
12.5°	2556.1	2853.9	3375.0	4094.4	5054.2	8304.5	13553.1	22522.3	34725.6	47205.7	63122.7
10°	3284.2	3882.9	4738.3	5952.5	8416.8	13969.7	22804.3	38050.5	59666.3	82205.6	104723.0
7.5°	3878.1	4734.8	5985.6	7804.4	12221.0	21136.2	35624.8	58088.1	85803.0	114801.0	145331.2
5°	4477.9	5562.4	7068.9	9269.5	14713.9	26672.9	45944.4	76697.3	112463.7	149001.8	187476.8
2.5°	4997.8	6266.5	8010.7	10581.7	16390.3	29669.5	52169.7	90037.8	132031.2	175755.0	224759.0
0°	5382.1	6673.8	8527.3	11202.1	18042.3	32002.4	55814.0	93981.2	136692.9	181833.1	231917.2
-2.5°	5328.6	6496.8	8176.9	10831.3	17468.2	31581.5	53537.7	90734.5	132537.0	174851.6	219520.0
-5°	5085.1	6101.0	7606.5	9982.5	15486.1	27400.9	48044.0	82324.8	121195.6	159864.3	199608.2
-7.5°	4714.1	5593.0	6912.5	8953.7	13200.4	22582.5	39738.1	66554.3	99972.7	133021.3	163680.1
-10°	4330.8	5046.7	6116.2	7729.0	10758.4	17314.1	29445.8	49492.9	77284.4	104500.9	127995.5
-12.5°	3970.5	4503.6	5264.2	6387.2	8254.3	12961.7	22121.8	36748.0	55311.9	76237.1	96581.1
-15°	3634.4	4028.7	4574.9	5480.5	6974.9	9767.0	14739.9	24487.0	37544.6	52150.9	66214.0
-17.5°	3326.3	3651.4	4077.6	4715.3	5641.2	7367.8	10851.4	16424.1	24307.8	34697.4	44409.0
-20°	3050.2	3344.6	3663.5	4141.2	4852.2	5868.6	7583.6	11043.1	15592.5	22140.9	28563.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2834.1	3065.3	3313.1	3678.6	4271.3	4991.9	5844.5	7261.8	9765.9	13124.7	16928.7
-25°	2636.5	2807.7	3064.8	3458.2	3864.2	4344.9	4861.8	5430.3	6541.3	7621.6	9613.2
-27.5°	2448.7	2629.3	2897.1	3252.1	3622.5	3847.0	4177.6	4528.7	5060.2	5529.3	6322.7
-30°	2292.0	2481.7	2709.1	3008.5	3320.5	3531.9	3703.9	3957.9	4252.7	4546.9	4888.2
-32.5°	1997.6	2359.5	2517.0	2745.4	3026.2	3248.7	3401.0	3589.7	3747.1	3930.0	4115.5
-35°	1675.5	2074.6	2400.6	2548.3	2742.5	2989.9	3206.4	3357.9	3479.9	3592.7	3699.0
-37.5°	1311.0	1726.1	2082.0	2381.7	2559.4	2725.1	2954.7	3158.6	3305.4	3383.0	3452.1
-40°	1172.3	1292.2	1668.2	2011.9	2279.4	2538.9	2717.8	2917.7	3087.4	3194.5	3274.7
-42.5°	1148.5	1210.2	1258.8	1519.2	1843.8	2121.9	2358.7	2591.9	2799.1	2952.8	3076.9
-45°	1084.4	1157.7	1226.0	1274.2	1324.1	1570.0	1834.3	2091.9	2325.8	2535.1	2718.0
-47.5°	980.8	1068.3	1141.3	1211.2	1265.5	1308.3	1357.9	1439.9	1659.0	1874.0	2078.3
-50°	868.4	947.5	1026.7	1101.8	1160.8	1212.6	1260.3	1301.1	1342.2	1385.2	1426.1
-52.5°	757.1	827.9	898.2	964.2	1027.0	1086.2	1141.3	1181.7	1216.3	1246.7	1269.8
-55°	669.5	722.1	773.5	829.4	885.2	937.4	985.2	1029.0	1068.8	1104.3	1131.6
-57.5°	572.8	624.5	673.5	715.4	756.2	795.5	836.1	874.9	909.2	938.9	963.0
-60°	471.8	515.9	559.6	600.8	640.1	677.0	710.3	740.9	768.6	792.3	810.0
-62.5°	374.3	409.1	448.4	484.3	515.8	546.0	580.3	611.1	638.5	661.3	678.2
-65°	300.5	325.5	353.8	381.6	408.8	438.2	468.1	494.6	517.9	536.9	552.0
-67.5°	219.0	243.6	271.1	296.0	319.0	343.9	372.4	398.6	422.6	441.9	457.6
-70°	147.7	165.1	186.8	210.1	232.6	256.2	282.3	307.4	331.4	349.7	364.7
-72.5°	88.6	100.0	111.6	126.8	142.8	162.2	184.1	206.1	227.8	243.6	256.0
-75°	43.3	48.0	57.5	66.3	74.4	84.8	95.9	106.3	116.0	123.2	129.0
-77.5°	35.1	37.3	39.5	41.6	43.6	48.2	53.7	59.3	65.1	69.7	74.0
-80°	27.0	28.4	29.8	31.4	33.0	36.5	40.3	44.1	47.9	50.8	53.5
-82.5°	18.8	19.5	20.2	20.9	21.4	24.0	26.6	29.1	31.5	33.8	36.1
-85°	12.7	12.9	13.1	13.3	13.4	16.0	18.6	21.2	23.8	26.0	28.1
-87.5°	10.1	10.2	10.2	10.3	10.3	12.5	14.6	16.7	18.7	20.7	22.7
-90°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	1.5	1.0



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	53.2	60.8	55.7	50.7	55.7	60.8	53.2	45.6	38.0	30.4	25.8
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
80°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.1	4.1	4.5
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.7
75°	4.6	4.1	5.1	6.1	5.1	4.1	4.6	5.1	5.5	5.8	6.1
72.5°	10.3	10.0	10.1	10.1	10.1	10.0	10.3	10.6	10.8	10.9	11.3
70°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.1	12.1	12.8	14.5
67.5°	10.9	10.3	10.1	10.1	10.1	10.3	10.9	11.4	12.0	13.0	14.9
65°	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.6	9.1	10.5	12.7
62.5°	7.5	8.0	8.1	8.1	8.1	8.0	7.5	7.1	6.8	7.8	9.6
60°	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.1	6.7	7.7
57.5°	6.1	6.1	6.9	8.1	6.9	6.1	6.1	6.1	6.1	6.6	7.2
55°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.7	7.3
52.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.8	7.4
50°	7.8	8.0	8.1	8.1	8.1	8.0	7.8	7.5	7.4	7.7	7.8
47.5°	9.7	9.9	9.4	8.1	9.4	9.9	9.7	9.5	9.6	10.0	9.9
45°	12.7	12.4	12.1	12.2	12.1	12.4	12.7	12.7	15.0	15.8	13.7
42.5°	19.8	20.0	20.1	20.3	20.1	20.0	19.8	19.2	22.8	28.8	33.7
40°	35.1	35.9	36.1	36.5	36.1	35.9	35.1	33.4	32.2	30.1	33.8
37.5°	53.1	54.0	54.3	54.8	54.3	54.0	53.1	52.4	52.1	48.0	49.7
35°	89.6	89.2	86.2	87.2	86.2	89.2	89.6	89.9	86.7	76.9	83.2
32.5°	192.3	193.7	183.7	168.3	183.7	193.7	192.3	180.2	162.5	147.7	138.5
30°	371.6	403.3	424.7	425.9	424.7	403.3	371.6	335.5	287.6	249.1	215.5
27.5°	654.4	703.9	724.9	736.1	724.9	703.9	654.4	582.4	474.6	414.7	324.3
25°	1236.4	1349.8	1411.1	1364.8	1411.1	1349.8	1236.4	1056.1	826.6	691.4	552.5
22.5°	2487.9	2704.8	2889.7	2899.9	2889.7	2704.8	2487.9	2059.4	1608.6	1208.2	934.7
20°	5875.5	5826.2	6293.5	6059.4	6293.5	5826.2	5875.5	4647.0	3763.4	2626.8	1945.9
17.5°	16665.4	18508.7	19527.6	18133.5	19527.6	18508.7	16665.4	12884.0	10721.8	7205.1	4635.0
15°	38312.9	42911.6	46023.2	45625.8	46023.2	42911.6	38312.9	31477.6	24619.6	17416.2	10824.6
12.5°	72038.2	79595.1	86036.4	85766.2	86036.4	79595.1	72038.2	63122.7	47205.7	34725.6	22522.3
10°	124784.3	137959.3	150237.7	151516.9	150237.7	137959.3	124784.3	104723.0	82205.6	59666.3	38050.5
7.5°	173380.0	203048.5	220733.5	225270.8	220733.5	203048.5	173380.0	145331.2	114801.0	85803.0	58088.1
5°	234230.1	268587.5	287174.4	287670.4	287174.4	268587.5	234230.1	187476.8	149001.8	112463.7	76697.3
2.5°	279276.2	317977.4	340799.5	358457.5	340799.5	317977.4	279276.2	224759.0	175755.0	132031.2	90037.8
0°	292673.3	326048.5	363288.9	383993.8	363288.9	326048.5	292673.3	231917.2	181833.1	136692.9	93981.2
-2.5°	274721.9	309665.2	328151.8	344993.1	328151.8	309665.2	274721.9	219520.0	174851.6	132537.0	90734.5
-5°	240618.9	277629.7	295391.4	299182.8	295391.4	277629.7	240618.9	199608.2	159864.3	121195.6	82324.8
-7.5°	191460.9	217510.4	235492.2	242544.5	235492.2	217510.4	191460.9	163680.1	133021.3	99972.7	66554.3
-10°	149844.4	166665.4	175663.9	181647.5	175663.9	166665.4	149844.4	127995.5	104500.9	77284.4	49492.9
-12.5°	112978.3	125138.0	132195.3	135267.3	132195.3	125138.0	112978.3	96581.1	76237.1	55311.9	36748.0
-15°	80417.3	90039.2	94817.8	97860.6	94817.8	90039.2	80417.3	66214.0	52150.9	37544.6	24487.0
-17.5°	55096.5	62833.1	67242.8	70110.7	67242.8	62833.1	55096.5	44409.0	34697.4	24307.8	16424.1
-20°	35252.1	39858.8	43251.9	44240.8	43251.9	39858.8	35252.1	28563.5	22140.9	15592.5	11043.1



REPORT NUMBER: P731628 (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°	20596.7	23309.1	25017.9	25405.6	25017.9	23309.1	20596.7	16928.7	13124.7	9765.9	7261.8
-25°	11198.9	12380.6	13277.1	13580.9	13277.1	12380.6	11198.9	9613.2	7621.6	6541.3	5430.3
-27.5°	6877.3	7334.2	7665.3	7835.8	7665.3	7334.2	6877.3	6322.7	5529.3	5060.2	4528.7
-30°	5172.8	5381.2	5505.5	5588.9	5505.5	5381.2	5172.8	4888.2	4546.9	4252.7	3957.9
-32.5°	4247.0	4340.3	4396.5	4435.0	4396.5	4340.3	4247.0	4115.5	3930.0	3747.1	3589.7
-35°	3783.0	3843.6	3885.2	3905.7	3885.2	3843.6	3783.0	3699.0	3592.7	3479.9	3357.9
-37.5°	3503.5	3541.7	3569.4	3585.3	3569.4	3541.7	3503.5	3452.1	3383.0	3305.4	3158.6
-40°	3312.9	3339.7	3361.8	3386.6	3361.8	3339.7	3312.9	3274.7	3194.5	3087.4	2917.7
-42.5°	3139.2	3178.9	3198.9	3204.1	3198.9	3178.9	3139.2	3076.9	2952.8	2799.1	2591.9
-45°	2858.1	2968.5	3036.4	3058.1	3036.4	2968.5	2858.1	2718.0	2535.1	2325.8	2091.9
-47.5°	2266.1	2431.3	2556.0	2632.2	2556.0	2431.3	2266.1	2078.3	1874.0	1659.0	1439.9
-50°	1464.2	1499.2	1513.0	1504.7	1513.0	1499.2	1464.2	1426.1	1385.2	1342.2	1301.1
-52.5°	1287.9	1302.0	1313.7	1322.2	1313.7	1302.0	1287.9	1269.8	1246.7	1216.3	1181.7
-55°	1153.1	1168.9	1183.8	1196.5	1183.8	1168.9	1153.1	1131.6	1104.3	1068.8	1029.0
-57.5°	983.2	999.2	1005.2	1003.8	1005.2	999.2	983.2	963.0	938.9	909.2	874.9
-60°	824.6	836.0	844.5	849.7	844.5	836.0	824.6	810.0	792.3	768.6	740.9
-62.5°	691.5	701.4	712.4	721.9	712.4	701.4	691.5	678.2	661.3	638.5	611.1
-65°	564.7	575.2	583.6	590.1	583.6	575.2	564.7	552.0	536.9	517.9	494.6
-67.5°	471.7	484.1	493.4	500.9	493.4	484.1	471.7	457.6	441.9	422.6	398.6
-70°	378.4	390.8	398.3	403.6	398.3	390.8	378.4	364.7	349.7	331.4	307.4
-72.5°	266.7	275.7	279.9	281.9	279.9	275.7	266.7	256.0	243.6	227.8	206.1
-75°	134.1	138.4	142.5	146.0	142.5	138.4	134.1	129.0	123.2	116.0	106.3
-77.5°	78.3	82.5	85.0	87.2	85.0	82.5	78.3	74.0	69.7	65.1	59.3
-80°	56.1	58.5	60.7	62.9	60.7	58.5	56.1	53.5	50.8	47.9	44.1
-82.5°	38.3	40.5	41.6	42.6	41.6	40.5	38.3	36.1	33.8	31.5	29.1
-85°	30.2	32.3	33.4	34.5	33.4	32.3	30.2	28.1	26.0	23.8	21.2
-87.5°	24.6	26.5	27.4	28.4	27.4	26.5	24.6	22.7	20.7	18.7	16.7
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.3	16.7	12.2	11.7	11.1	10.6	10.1	9.6	9.1	8.6	8.1
87.5°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
85°	4.0	4.0	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
82.5°	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.3	6.4	6.4	6.4
80°	4.9	5.2	5.4	5.4	5.6	5.8	6.2	6.7	7.2	7.6	7.8
77.5°	5.2	5.7	6.2	6.4	6.5	6.4	6.4	6.7	7.2	7.7	8.1
75°	6.5	6.8	7.3	8.0	8.3	8.1	7.9	7.8	7.8	7.9	8.1
72.5°	11.4	11.3	11.9	13.1	13.6	14.3	14.2	13.1	11.6	9.6	8.1
70°	15.9	17.0	19.4	22.9	25.4	26.4	26.0	24.0	20.7	18.1	14.5
67.5°	16.9	19.1	22.8	27.2	30.6	33.9	37.0	39.5	38.4	34.7	25.1
65°	14.9	17.2	20.1	23.4	27.7	33.2	40.6	45.1	47.5	48.1	39.9
62.5°	11.5	13.8	15.3	17.7	21.0	26.3	35.3	43.3	50.4	52.6	44.8
60°	8.9	10.1	11.2	12.6	14.4	19.4	28.6	38.3	48.4	48.6	45.1
57.5°	7.8	8.5	9.3	9.8	10.1	14.1	21.4	31.1	41.6	41.5	40.2
55°	7.9	8.5	9.0	9.6	10.1	11.7	14.8	21.1	29.8	31.9	31.8
52.5°	8.0	8.6	9.2	9.8	10.2	10.6	11.6	15.3	18.5	21.9	23.4
50°	8.2	8.8	9.4	9.9	10.3	10.2	10.6	11.6	13.5	15.6	17.1
47.5°	9.9	9.9	9.8	10.2	10.9	11.2	10.9	10.6	11.9	12.4	13.9
45°	13.6	12.9	11.7	12.2	12.3	12.5	12.4	13.0	12.6	12.7	12.2
42.5°	28.7	21.4	16.8	18.1	17.1	16.2	15.5	16.7	16.1	14.6	15.6
40°	40.4	44.4	37.7	31.9	29.2	24.0	23.4	22.2	21.3	18.8	21.6
37.5°	49.8	48.7	58.7	61.0	51.6	43.1	36.9	32.1	28.6	29.3	31.0
35°	80.4	77.5	80.7	84.9	82.6	75.5	60.3	47.8	41.7	42.5	42.4
32.5°	129.3	124.2	117.4	116.9	121.3	117.1	98.5	73.8	63.7	59.8	56.4
30°	194.4	184.0	167.9	166.0	174.8	165.3	145.3	128.0	105.8	80.5	72.5
27.5°	302.1	265.1	241.4	249.5	247.1	230.1	215.2	197.7	160.0	120.7	97.6
25°	484.2	413.1	384.5	370.9	345.5	330.5	307.5	276.9	232.3	182.5	159.9
22.5°	743.3	682.8	605.8	526.0	529.8	502.6	428.6	364.6	348.5	348.8	275.7
20°	1351.8	1143.1	940.2	911.8	869.8	740.7	588.7	578.7	635.2	583.4	431.1
17.5°	3139.6	2165.4	1735.6	1625.7	1394.8	1111.1	1061.1	1008.4	976.4	874.3	616.8
15°	6057.3	4431.0	3291.8	2687.3	2198.8	1914.3	1771.6	1499.3	1370.7	1197.7	893.5
12.5°	13553.1	8304.5	5054.2	4094.4	3375.0	2853.9	2556.1	2145.8	1818.9	1610.1	1307.1
10°	22804.3	13969.7	8416.8	5952.5	4738.3	3882.9	3284.2	2738.6	2291.3	2049.7	1733.1
7.5°	35624.8	21136.2	12221.0	7804.4	5985.6	4734.8	3878.1	3252.7	2747.2	2478.1	2162.3
5°	45944.4	26672.9	14713.9	9269.5	7068.9	5562.4	4477.9	3716.9	3186.3	2894.2	2583.6
2.5°	52169.7	29669.5	16390.3	10581.7	8010.7	6266.5	4997.8	4067.6	3499.1	3136.7	2798.0
0°	55814.0	32002.4	18042.3	11202.1	8527.3	6673.8	5382.1	4323.5	3745.5	3333.9	2983.0
-2.5°	53537.7	31581.5	17468.2	10831.3	8176.9	6496.8	5328.6	4402.6	3836.9	3401.8	2991.2
-5°	48044.0	27400.9	15486.1	9982.5	7606.5	6101.0	5085.1	4324.0	3814.7	3413.0	2961.0
-7.5°	39738.1	22582.5	13200.4	8953.7	6912.5	5593.0	4714.1	4063.5	3584.5	3234.6	2777.5
-10°	29445.8	17314.1	10758.4	7729.0	6116.2	5046.7	4330.8	3767.3	3350.0	3048.8	2565.8
-12.5°	22121.8	12961.7	8254.3	6387.2	5264.2	4503.6	3970.5	3455.3	3117.7	2860.5	2331.3
-15°	14739.9	9767.0	6974.9	5480.5	4574.9	4028.7	3634.4	3193.9	2943.0	2681.1	2078.3
-17.5°	10851.4	7367.8	5641.2	4715.3	4077.6	3651.4	3326.3	3007.3	2764.9	2454.2	1809.4
-20°	7583.6	5868.6	4852.2	4141.2	3663.5	3344.6	3050.2	2811.0	2567.6	2135.3	1537.0



REPORT NUMBER: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5844.5	4991.9	4271.3	3678.6	3313.1	3065.3	2834.1	2616.1	2353.0	1798.8	1270.4
-25°	4861.8	4344.9	3864.2	3458.2	3064.8	2807.7	2636.5	2430.3	2029.5	1480.9	1044.3
-27.5°	4177.6	3847.0	3622.5	3252.1	2897.1	2629.3	2448.7	2220.9	1711.6	1239.3	999.9
-30°	3703.9	3531.9	3320.5	3008.5	2709.1	2481.7	2292.0	1879.4	1430.0	1051.9	976.2
-32.5°	3401.0	3248.7	3026.2	2745.4	2517.0	2359.5	1997.6	1555.4	1148.2	1025.2	943.0
-35°	3206.4	2989.9	2742.5	2548.3	2400.6	2074.6	1675.5	1253.7	1067.9	991.6	904.3
-37.5°	2954.7	2725.1	2559.4	2381.7	2082.0	1726.1	1311.0	1121.9	1037.9	947.2	853.4
-40°	2717.8	2538.9	2279.4	2011.9	1668.2	1292.2	1172.3	1099.2	998.1	893.5	794.7
-42.5°	2358.7	2121.9	1843.8	1519.2	1258.8	1210.2	1148.5	1048.9	943.6	832.9	733.5
-45°	1834.3	1570.0	1324.1	1274.2	1226.0	1157.7	1084.4	977.7	867.4	765.4	669.3
-47.5°	1357.9	1308.3	1265.5	1211.2	1141.3	1068.3	980.8	884.7	785.7	692.7	616.9
-50°	1260.3	1212.6	1160.8	1101.8	1026.7	947.5	868.4	788.6	704.3	631.4	559.1
-52.5°	1141.3	1086.2	1027.0	964.2	898.2	827.9	757.1	698.8	633.7	563.6	494.5
-55°	985.2	937.4	885.2	829.4	773.5	722.1	669.5	614.2	554.5	489.5	427.7
-57.5°	836.1	795.5	756.2	715.4	673.5	624.5	572.8	521.3	470.2	412.8	359.4
-60°	710.3	677.0	640.1	600.8	559.6	515.9	471.8	426.8	381.0	343.4	304.4
-62.5°	580.3	546.0	515.8	484.3	448.4	409.1	374.3	345.0	314.9	282.3	244.3
-65°	468.1	438.2	408.8	381.6	353.8	325.5	300.5	273.1	244.1	214.1	180.8
-67.5°	372.4	343.9	319.0	296.0	271.1	243.6	219.0	194.7	173.2	151.6	125.2
-70°	282.3	256.2	232.6	210.1	186.8	165.1	147.7	130.7	112.3	95.7	78.1
-72.5°	184.1	162.2	142.8	126.8	111.6	100.0	88.6	76.6	63.9	50.6	40.7
-75°	95.9	84.8	74.4	66.3	57.5	48.0	43.3	41.1	38.6	35.8	32.6
-77.5°	53.7	48.2	43.6	41.6	39.5	37.3	35.1	32.8	30.5	28.4	26.3
-80°	40.3	36.5	33.0	31.4	29.8	28.4	27.0	25.3	23.7	22.3	21.1
-82.5°	26.6	24.0	21.4	20.9	20.2	19.5	18.8	18.1	17.6	17.2	16.9
-85°	18.6	16.0	13.4	13.3	13.1	12.9	12.7	12.8	12.8	12.8	12.6
-87.5°	14.6	12.5	10.3	10.3	10.2	10.2	10.1	10.0	9.9	9.7	9.5
-90°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1





REPORT NUMBER: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	6.4	6.7	7.0	7.2	7.4	7.6	7.8	8.1	8.1	8.1	8.1
85°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	6.7	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	7.7	7.7	7.9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.2	8.2	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.3	8.6	8.7	8.4	8.1	8.1	8.1	8.1
70°	11.1	8.6	8.1	8.3	8.7	9.3	9.2	8.7	8.1	8.1	8.1
67.5°	16.4	12.5	9.8	8.3	8.3	8.9	9.8	9.5	8.8	8.1	8.1
65°	28.7	19.2	12.0	10.0	8.6	8.3	9.1	9.9	9.5	8.7	8.1
62.5°	36.9	28.2	19.3	12.8	9.5	8.4	8.3	9.4	10.0	9.4	8.5
60°	40.6	32.5	26.0	19.1	12.4	8.6	8.2	8.9	9.7	10.0	9.0
57.5°	37.1	34.6	29.6	24.1	17.6	11.0	8.4	8.8	9.5	10.0	9.5
55°	31.4	30.4	31.1	27.0	21.5	15.1	9.7	8.9	9.4	9.9	10.0
52.5°	23.3	26.7	29.6	28.6	23.8	18.6	12.9	9.0	9.5	9.9	10.1
50°	17.2	22.2	27.7	29.0	25.7	20.6	15.6	11.0	9.6	10.0	10.2
47.5°	15.9	20.1	24.7	29.3	27.5	22.5	17.5	12.7	9.7	10.1	10.4
45°	16.4	19.9	23.3	27.4	29.2	24.0	19.1	14.0	10.7	10.3	10.6
42.5°	18.1	21.3	23.8	26.1	28.0	25.1	20.7	15.3	11.4	10.5	10.8
40°	23.5	23.9	25.3	27.5	27.1	25.7	21.4	16.6	11.9	11.0	11.1
37.5°	30.5	29.3	28.5	31.6	28.2	25.7	21.7	17.8	13.2	11.9	11.4
35°	40.8	37.3	35.5	38.0	34.0	26.4	21.6	18.5	15.3	12.8	11.8
32.5°	52.5	50.2	48.1	45.4	42.1	27.8	22.2	20.3	17.5	13.8	12.2
30°	70.6	73.4	63.4	53.9	51.2	35.3	25.0	22.5	19.7	14.7	12.7
27.5°	110.4	103.9	82.9	67.4	59.2	45.5	31.2	25.1	22.0	16.1	13.5
25°	161.8	144.3	112.9	84.1	67.9	73.7	38.5	28.3	24.3	17.9	14.3
22.5°	223.7	193.8	147.8	102.2	107.0	110.5	54.1	34.1	26.6	19.8	15.1
20°	293.6	250.8	199.4	170.0	156.5	145.6	81.2	40.5	29.2	21.6	15.9
17.5°	381.5	357.0	323.8	258.6	212.8	184.4	112.9	47.3	31.9	23.4	16.7
15°	624.6	520.7	461.8	357.6	272.9	226.1	148.2	54.5	34.8	25.2	17.6
12.5°	917.9	687.5	609.6	464.8	336.0	270.1	185.8	61.9	37.6	27.2	18.7
10°	1231.9	856.3	764.3	577.1	400.8	315.4	224.6	70.9	42.4	29.3	19.8
7.5°	1556.2	1025.9	922.3	691.8	465.2	360.6	267.3	83.5	47.7	31.3	21.0
5°	1848.7	1168.9	1048.9	789.4	523.0	403.9	308.9	96.1	52.9	33.2	22.2
2.5°	1989.5	1269.0	1149.4	879.2	578.4	445.4	347.3	108.2	58.1	34.9	23.3
0°	2100.9	1364.8	1241.1	961.2	630.7	484.7	381.2	119.6	62.9	36.5	24.3
-2.5°	2111.7	1362.4	1228.8	960.0	649.3	500.3	388.4	137.0	77.3	46.3	29.0
-5°	2089.9	1354.5	1208.4	950.5	663.6	512.8	390.3	153.1	91.0	55.7	33.5
-7.5°	1966.7	1309.5	1168.7	931.6	673.5	521.7	387.6	167.7	103.8	64.5	37.6
-10°	1798.1	1241.2	1105.3	889.3	662.5	520.5	380.6	180.9	115.5	72.4	41.2
-12.5°	1601.6	1171.5	1041.2	843.8	645.0	510.7	368.4	192.8	126.0	79.1	44.2
-15°	1378.6	1101.4	978.5	796.8	624.4	499.2	354.8	203.2	135.5	85.3	46.5
-17.5°	1137.8	1031.8	919.3	749.9	600.9	486.1	340.6	211.4	143.8	91.2	49.1
-20°	1064.8	977.9	863.5	704.2	574.8	471.8	326.6	217.6	150.5	95.5	51.6



REPORT NUMBER: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1023.1	934.9	814.3	668.8	550.1	456.5	313.7	221.4	155.7	98.3	52.9
-25°	982.5	891.5	767.3	637.8	529.9	434.6	308.9	223.0	159.3	99.4	53.0
-27.5°	936.1	845.3	720.4	604.5	510.6	416.3	309.1	226.0	160.9	98.7	51.8
-30°	888.1	792.2	679.2	572.1	489.4	394.2	306.3	227.1	159.8	97.0	49.3
-32.5°	848.8	741.0	637.8	546.7	463.7	371.0	294.7	226.1	156.2	93.9	47.4
-35°	801.3	695.3	595.8	519.5	435.9	351.8	279.1	222.9	150.0	88.9	45.0
-37.5°	750.2	649.8	564.5	489.5	407.1	330.0	264.8	207.9	141.3	81.8	41.4
-40°	697.2	606.5	532.0	457.2	379.6	305.7	248.6	189.5	131.1	72.7	36.6
-42.5°	641.8	567.4	494.5	423.5	350.4	285.6	229.9	169.2	115.2	64.6	30.7
-45°	595.4	523.7	452.8	385.5	319.6	263.3	205.3	147.4	97.4	56.4	26.2
-47.5°	544.3	474.5	408.4	345.1	292.3	237.6	178.6	125.9	78.4	46.5	24.9
-50°	487.0	422.8	361.8	308.8	261.1	205.6	150.6	103.0	64.7	34.4	23.4
-52.5°	429.2	369.7	318.6	272.9	223.4	171.3	123.4	79.6	50.4	28.9	21.6
-55°	369.1	321.1	277.8	231.5	183.1	138.2	94.6	62.8	35.4	26.3	19.7
-57.5°	317.0	275.1	231.2	186.4	144.2	104.2	71.4	45.4	29.6	23.5	18.5
-60°	264.8	222.7	181.2	142.9	105.8	75.2	51.3	32.0	26.4	20.9	17.1
-62.5°	206.2	168.8	133.8	99.9	73.9	52.3	33.6	28.4	23.1	19.2	15.6
-65°	150.4	118.7	87.2	67.9	48.4	33.8	29.5	24.6	20.9	17.5	14.3
-67.5°	97.4	76.9	57.3	39.8	33.0	29.1	25.2	22.0	18.9	15.7	13.2
-70°	60.1	43.0	35.0	31.4	27.9	24.7	22.3	19.7	16.8	14.5	12.2
-72.5°	36.7	32.8	29.1	26.0	23.9	21.8	19.7	17.6	15.4	13.3	11.1
-75°	29.3	26.8	24.6	22.6	20.8	19.0	17.5	16.0	14.0	12.0	10.7
-77.5°	24.4	22.6	20.9	19.3	17.9	16.6	15.5	14.4	12.7	11.4	10.5
-80°	19.9	18.6	17.2	15.9	15.0	14.2	13.5	12.8	11.6	10.8	10.3
-82.5°	15.8	14.8	13.8	13.0	12.6	12.1	11.7	11.2	10.5	10.1	9.9
-85°	12.1	11.5	11.1	10.7	10.4	10.1	9.9	9.8	9.6	9.5	9.3
-87.5°	9.5	9.4	9.3	9.2	9.2	9.1	9.0	8.9	8.9	8.8	8.7
-90°	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1



REPORT NUMBER: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
67.5°	8.2	8.1	8.1	8.1	8.1	8.1	8.1
65°	8.2	8.2	8.1	8.1	8.1	8.1	8.1
62.5°	8.3	8.3	8.1	8.1	8.1	8.1	8.1
60°	8.5	8.5	8.1	8.1	8.1	8.1	8.1
57.5°	8.9	8.7	8.3	8.1	8.1	8.1	8.1
55°	9.2	8.9	8.5	8.1	8.2	8.1	8.1
52.5°	9.6	9.1	8.7	8.1	8.2	8.1	8.1
50°	9.9	9.4	8.9	8.1	8.2	8.1	8.1
47.5°	10.1	9.6	9.2	8.1	8.3	8.1	8.1
45°	10.3	9.7	9.4	8.3	8.3	8.1	8.1
42.5°	10.5	9.9	9.6	8.5	8.4	8.1	8.1
40°	10.7	10.0	9.8	8.7	8.5	8.1	8.1
37.5°	11.0	10.1	9.9	9.0	8.6	8.1	8.1
35°	11.3	10.2	10.0	9.2	8.6	8.1	8.1
32.5°	11.6	10.5	10.0	9.3	8.7	8.1	8.1
30°	11.9	10.7	10.1	9.5	8.8	8.1	8.1
27.5°	12.3	10.9	10.1	9.6	8.9	8.1	8.1
25°	12.6	11.2	10.1	9.7	9.0	8.1	8.1
22.5°	13.0	11.4	10.1	9.8	9.1	8.1	8.1
20°	13.4	11.6	10.1	9.9	9.3	8.1	8.1
17.5°	13.6	11.7	10.1	10.0	9.4	8.1	8.1
15°	13.8	11.8	10.1	10.0	9.5	8.1	8.1
12.5°	13.9	11.9	10.1	10.1	9.6	8.1	8.1
10°	14.0	12.0	10.1	10.1	9.7	8.1	8.1
7.5°	14.1	12.1	10.1	10.1	9.8	8.1	8.1
5°	14.2	12.2	10.1	10.1	9.9	8.1	8.1
2.5°	14.2	12.2	10.1	10.1	10.0	8.1	8.1
0°	14.2	12.2	10.1	10.1	10.0	8.1	8.1
-2.5°	16.1	12.6	10.3	10.1	10.1	8.1	8.1
-5°	17.9	13.0	10.5	10.1	10.1	8.1	8.1
-7.5°	19.6	13.4	10.6	10.1	10.1	8.1	8.1
-10°	21.1	13.7	10.8	10.1	10.0	8.1	8.1
-12.5°	22.4	14.0	10.9	10.1	10.0	8.1	8.1
-15°	23.4	14.2	11.0	10.1	10.0	8.1	8.1
-17.5°	24.0	14.4	11.1	10.1	9.9	8.1	8.1
-20°	24.7	14.5	11.2	10.1	9.9	8.1	8.1



REPORT NUMBER: P731628 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.5	14.6	11.2	10.1	9.8	8.1	8.1
-25°	25.6	14.7	11.2	10.1	9.7	8.1	8.1
-27.5°	25.1	14.8	11.2	10.1	9.6	8.1	8.1
-30°	23.8	14.8	11.1	10.1	9.6	8.1	8.1
-32.5°	21.7	14.7	11.1	10.1	9.5	8.1	8.1
-35°	20.9	14.5	11.1	10.1	9.4	8.1	8.1
-37.5°	20.5	14.2	11.0	10.1	9.3	8.1	8.1
-40°	20.0	14.1	10.9	10.1	9.2	8.1	8.1
-42.5°	19.3	13.9	10.8	10.1	9.0	8.1	8.1
-45°	18.5	13.6	10.8	10.1	8.9	8.1	8.1
-47.5°	17.4	13.2	10.8	10.1	8.8	8.1	8.1
-50°	16.7	12.8	10.7	10.0	8.7	8.1	8.1
-52.5°	16.0	12.3	10.6	9.8	8.5	8.1	8.1
-55°	15.2	12.0	10.5	9.6	8.4	8.1	8.1
-57.5°	14.3	11.6	10.3	9.4	8.2	8.1	8.1
-60°	13.3	11.3	10.1	9.2	8.1	8.1	8.1
-62.5°	12.7	10.8	9.9	9.1	8.1	8.1	8.1
-65°	11.9	10.4	9.7	8.9	8.1	8.1	8.1
-67.5°	11.1	10.0	9.6	8.7	8.1	8.1	8.1
-70°	10.2	9.9	9.4	8.5	8.1	8.1	8.1
-72.5°	10.1	9.8	9.2	8.5	8.1	8.1	8.1
-75°	10.1	9.7	9.1	8.4	8.1	8.1	8.1
-77.5°	10.1	9.6	8.9	8.4	8.1	8.1	8.1
-80°	10.1	9.4	8.8	8.3	8.1	8.1	8.1
-82.5°	9.6	9.1	8.6	8.3	8.1	8.1	8.1
-85°	9.1	8.7	8.4	8.2	8.1	8.1	8.1
-87.5°	8.6	8.4	8.3	8.2	8.1	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

