

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: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-2S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-2S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

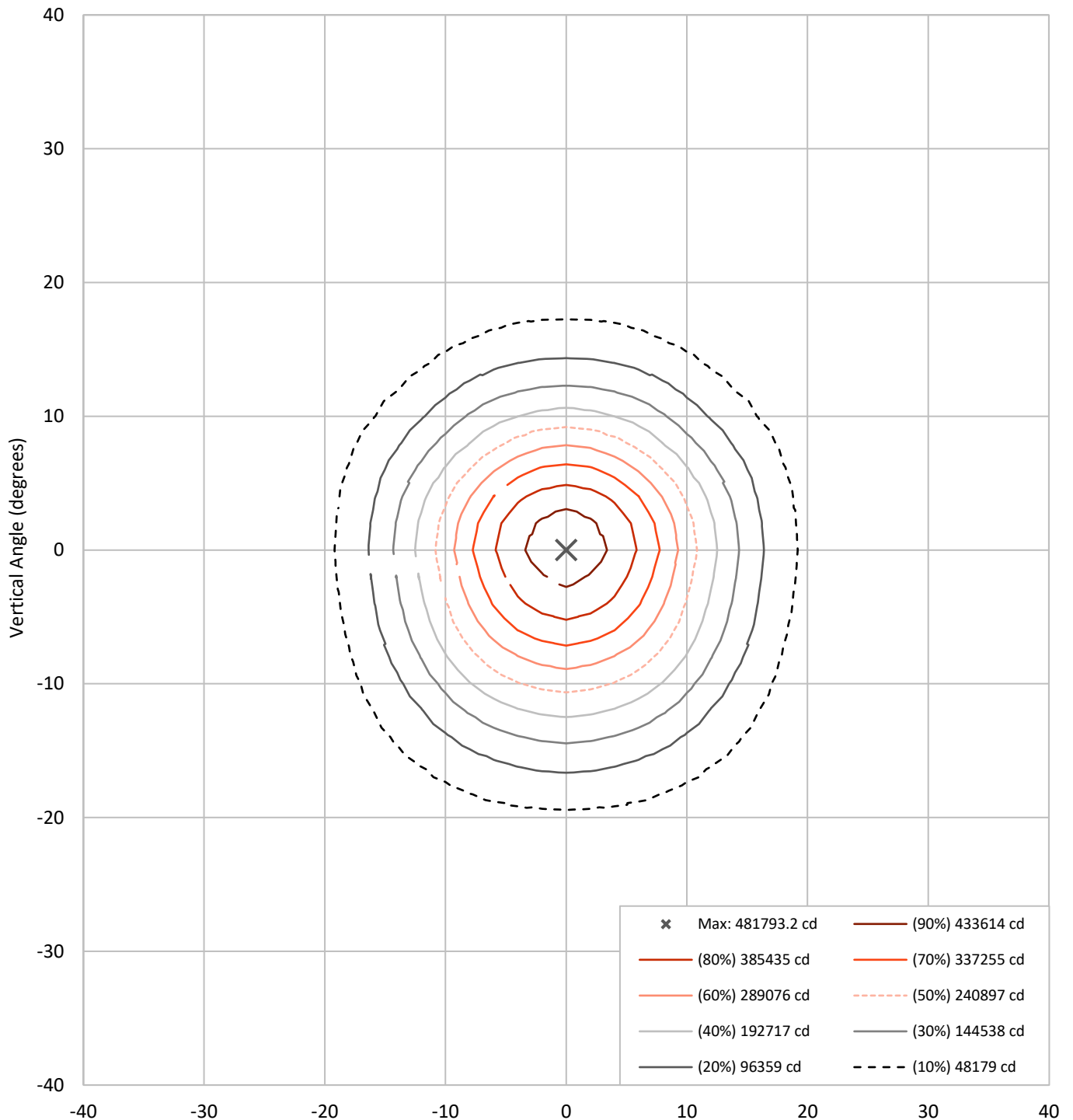
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	74582.6 lumens	Max Intensity:	481793.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	106.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	34478.9 lumens	Field Lumens:	64319.3 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

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





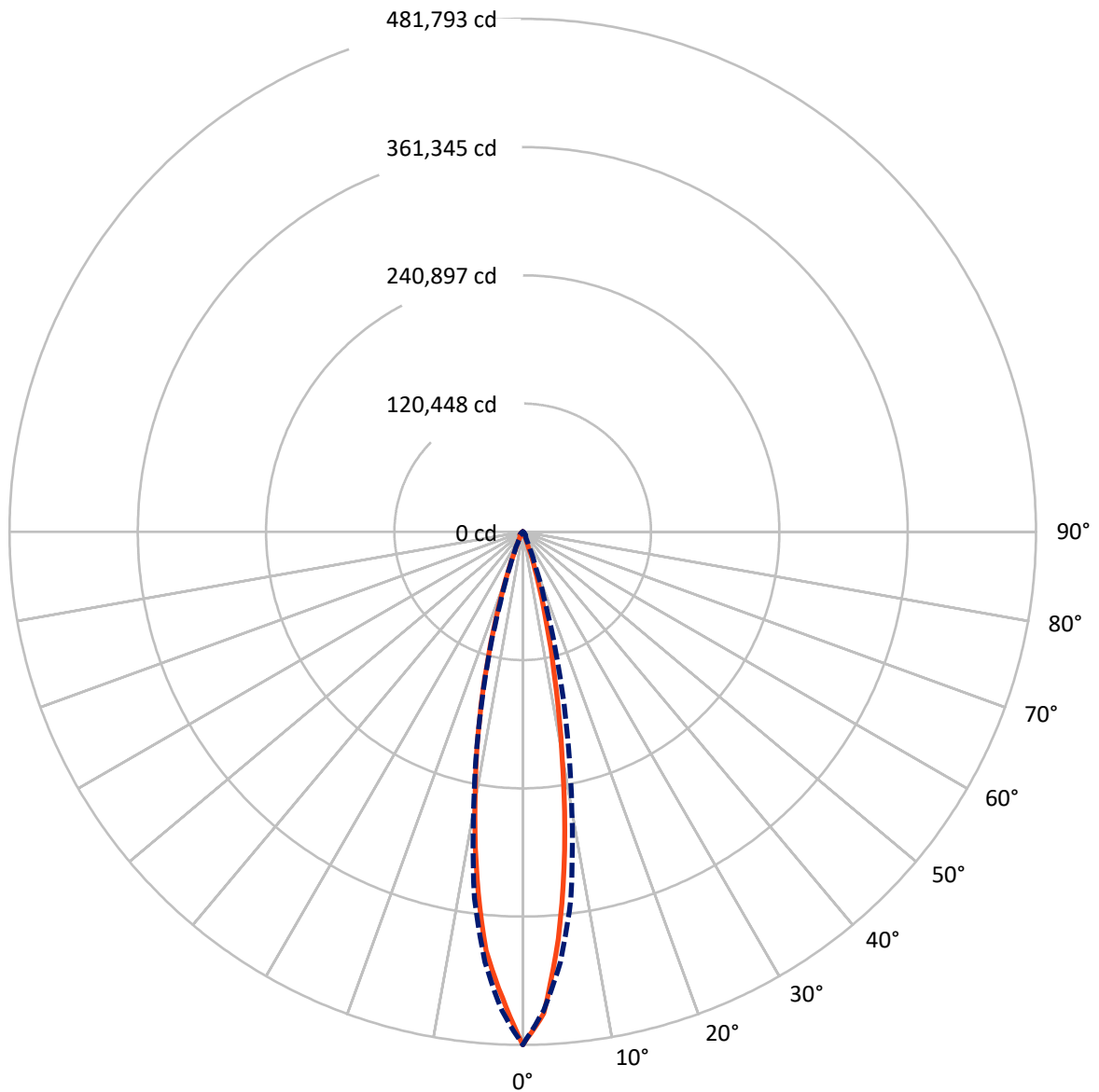
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Lumen Table

90	0.2		0.4		0.7		0.6		0.7		0.6		0.7		0.4		0.2	
80	0.2		0.4		0.7		0.6		0.7		0.6		0.7		0.4		0.2	
70	0.2	0.1	0.2	0.7	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.7	0.2	0.1	0.2	0.2	0.2
60		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1			
50	0.2	0.2	0.5	0.6	0.7	1.0	1.3	1.5	1.5	1.3	1.0	0.7	0.6	0.5	0.2	0.2	0.2	0.2
40		0.3	1.0	2.1	4.3	7.0	8.4	9.8	9.8	8.4	7.0	4.3	2.1	1.0	0.3			
30	0.3	0.5	3.1	10.4	27.7	40.7	71.2	156.7	156.7	71.2	40.7	27.7	10.4	3.1	0.5	0.3	0.3	0.3
20		1.0	7.0	26.9	63.4	124.0	770.8	2405.1	2405.1	770.8	124.0	63.4	26.9	7.0	1.0			
10	0.4	1.9	11.9	49.9	103.6	333.8	3150.1	9383.0	9383.0	3150.1	333.8	103.6	49.9	11.9	1.9	0.4	0.4	0.4
0		3.2	15.6	58.5	116.1	335.0	3338.5	9782.5	9782.5	3338.5	335.0	116.1	58.5	15.6	3.2			
-10	0.6	3.7	15.9	54.1	114.6	191.6	1229.2	3547.4	3547.4	1229.2	191.6	114.6	54.1	15.9	3.7	0.6	0.6	0.6
-20		3.4	13.5	32.3	81.5	119.9	187.2	366.3	366.3	187.2	119.9	81.5	32.3	13.5	3.4			
-30	0.5	2.9	9.9	20.2	45.1	86.2	111.7	122.7	122.7	111.7	86.2	45.1	20.2	9.9	2.9	0.5	0.5	0.5
-40		1.9	6.8	14.9	25.5	42.2	73.2	98.9	98.9	73.2	42.2	25.5	14.9	6.8	1.9			
-50	0.3	0.9	4.0	9.7	17.7	26.5	33.9	38.1	38.1	33.9	26.5	17.7	9.7	4.0	0.9	0.3	0.3	0.3
-60		0.4	1.4	4.6	9.4	15.3	21.4	25.2	25.2	21.4	15.3	9.4	4.6	1.4	0.4			
-70	0.2	0.9	4.0	9.7	17.7	26.5	33.9	38.1	38.1	33.9	26.5	17.7	9.7	4.0	0.9	0.2	0.2	0.2
-80		0.4	1.4	4.6	9.4	15.3	21.4	25.2	25.2	21.4	15.3	9.4	4.6	1.4	0.4			
-90	0.2		1.1		3.5		8.7		12.6		8.7		3.5		1.1		0.2	

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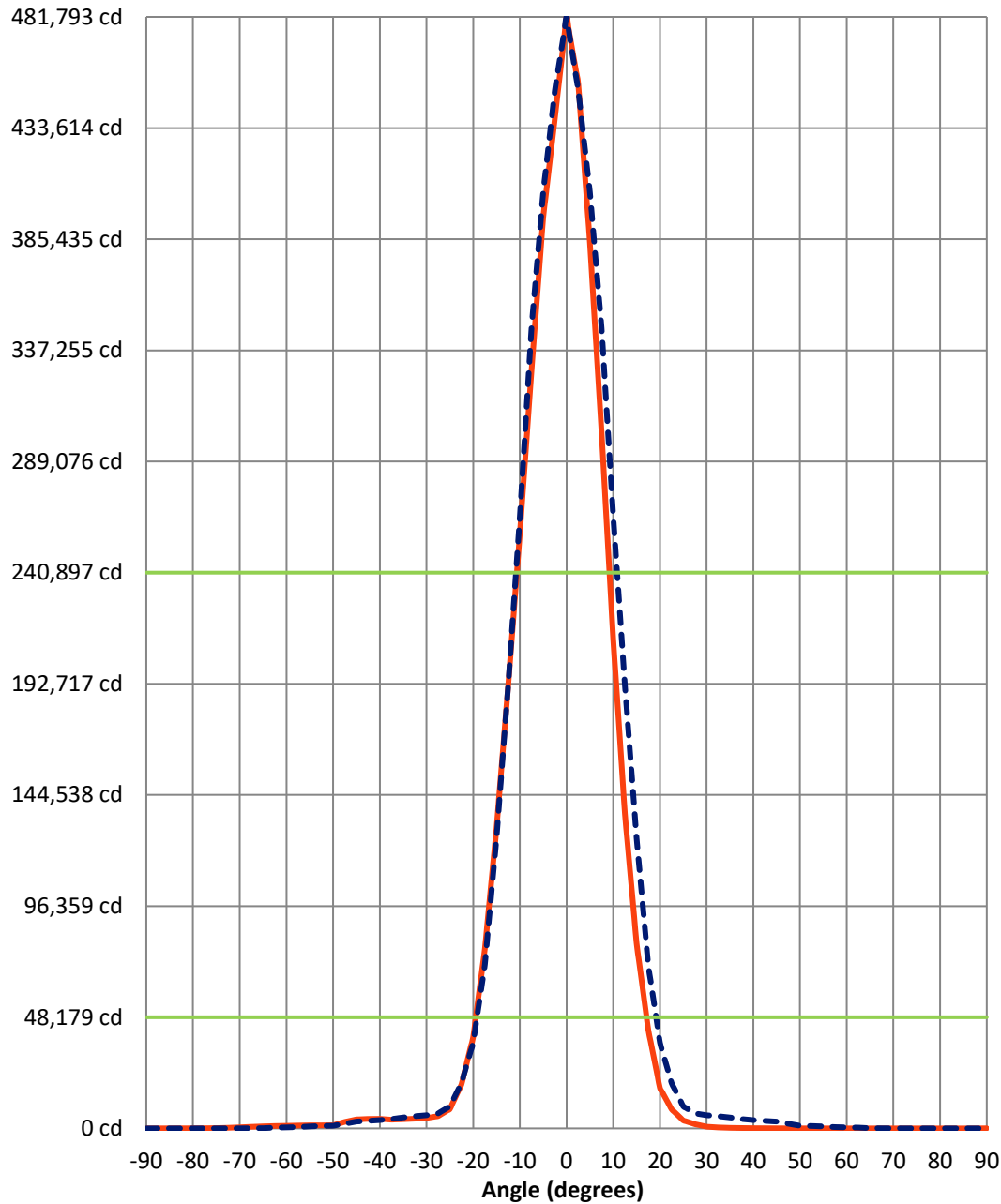
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.7°
 V Angle: 19.8°
 Lumens: 34478.9
 Efficiency: 46.2%

Field:
 H Angle: 38.4°
 V Angle: 36.6°
 Lumens: 64319.3
 Efficiency: 86.2%

Spill:
 Lumens: 10263.3
 Efficiency: 13.8%

- 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°	7.8	7.8	7.8	8.3	8.8	9.2	9.7	9.7	9.7	9.7	9.7
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.1	6.9	6.6
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.5	7.5	7.5
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9
67.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	8.1	8.0
65°	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.8	8.2	8.4	8.2
62.5°	7.8	7.8	7.8	7.8	7.8	8.0	8.0	8.1	8.7	8.7	8.3
60°	7.8	7.8	7.8	7.8	7.8	8.2	8.2	8.6	9.1	8.8	8.4
57.5°	7.8	7.8	7.8	7.8	8.0	8.4	8.5	9.2	9.3	8.9	8.5
55°	7.8	7.8	7.9	7.8	8.2	8.6	8.9	9.7	9.4	9.0	8.6
52.5°	7.8	7.8	7.9	7.8	8.4	8.8	9.2	9.7	9.5	9.1	8.7
50°	7.8	7.8	7.9	7.8	8.6	9.0	9.5	9.7	9.6	9.2	10.2
47.5°	7.8	7.8	8.0	7.8	8.8	9.2	9.7	9.7	9.7	9.3	11.7
45°	7.8	7.8	8.0	8.0	9.0	9.3	9.7	9.7	9.8	10.2	12.8
42.5°	7.8	7.8	8.1	8.2	9.3	9.5	9.7	9.8	9.9	10.9	14.3
40°	7.8	7.8	8.2	8.4	9.4	9.6	9.7	9.9	10.3	11.4	15.8
37.5°	7.8	7.8	8.2	8.6	9.5	9.7	9.7	10.1	11.1	12.6	17.0
35°	7.8	7.8	8.3	8.8	9.6	9.7	9.7	10.4	12.0	14.6	17.7
32.5°	7.8	7.8	8.4	9.0	9.7	9.7	9.8	10.6	13.0	16.7	19.3
30°	7.8	7.8	8.5	9.1	9.7	9.7	10.0	11.1	14.0	18.9	21.3
27.5°	7.8	7.8	8.6	9.2	9.7	9.7	10.2	11.9	15.4	21.1	23.6
25°	7.8	7.8	8.7	9.4	9.7	9.7	10.4	12.8	17.2	23.1	26.3
22.5°	7.8	7.8	8.8	9.4	9.7	9.7	10.7	13.6	19.0	25.2	31.3
20°	7.8	7.8	8.9	9.5	9.7	9.9	10.9	14.5	20.7	27.4	36.1
17.5°	7.8	7.8	9.0	9.6	9.7	10.1	11.3	15.4	22.4	29.7	40.6
15°	7.8	7.8	9.1	9.6	9.7	10.3	11.7	16.2	24.1	32.1	44.8
12.5°	7.8	7.8	9.2	9.7	9.7	10.5	12.1	16.9	25.8	34.5	48.6
10°	7.8	7.8	9.3	9.7	9.7	10.7	12.4	17.6	27.4	38.3	54.6
7.5°	7.8	7.8	9.4	9.7	9.7	11.0	12.7	18.1	29.0	42.4	65.6
5°	7.8	7.8	9.5	9.7	9.7	11.2	13.0	18.6	30.5	46.6	77.0
2.5°	7.8	7.8	9.6	9.7	9.7	11.5	13.3	19.1	31.8	50.6	88.3
0°	7.8	7.8	9.7	9.7	9.7	11.7	13.6	19.4	33.0	54.4	99.1
-2.5°	7.8	7.8	9.7	9.8	9.9	12.1	15.1	23.9	42.8	71.1	128.0
-5°	7.8	7.9	9.7	10.0	10.1	12.5	16.6	28.3	52.1	87.0	155.3
-7.5°	7.8	7.9	9.7	10.1	10.2	12.9	18.0	32.3	60.7	101.9	180.2
-10°	7.8	8.0	9.7	10.2	10.4	13.2	19.3	35.9	68.4	115.3	202.2
-12.5°	7.8	8.0	9.6	10.3	10.6	13.5	20.3	38.9	74.9	126.9	215.2
-15°	7.8	8.0	9.6	10.4	10.7	13.7	21.2	41.2	80.8	136.0	223.0
-17.5°	7.8	8.1	9.6	10.5	10.9	13.9	21.8	43.9	86.2	143.5	228.2
-20°	7.8	8.1	9.5	10.5	11.1	14.0	22.5	46.4	90.2	149.2	230.8



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	8.1	9.5	10.6	11.2	14.0	23.3	47.6	92.7	153.1	230.7
-25°	7.8	8.2	9.5	10.6	11.4	14.2	23.6	47.6	93.5	155.0	227.8
-27.5°	7.8	8.2	9.5	10.6	11.6	14.4	23.4	46.1	92.6	155.2	228.8
-30°	7.8	8.2	9.4	10.6	11.7	14.5	22.6	43.1	90.8	153.8	227.6
-32.5°	7.8	8.2	9.4	10.6	11.9	14.5	21.3	41.5	87.3	150.0	223.7
-35°	7.8	8.2	9.4	10.5	12.1	14.3	20.8	39.9	81.6	143.8	217.1
-37.5°	7.8	8.3	9.4	10.4	12.2	14.2	20.6	37.5	73.6	135.2	200.4
-40°	7.8	8.3	9.4	10.3	12.3	14.4	20.2	34.1	63.4	124.2	182.0
-42.5°	7.8	8.3	9.4	10.1	12.3	14.4	19.6	29.9	56.2	107.1	161.9
-45°	7.8	8.3	9.4	10.0	12.1	14.4	18.8	26.6	50.3	88.5	140.5
-47.5°	7.8	8.3	9.4	9.9	11.9	14.3	17.9	25.5	43.2	69.3	118.8
-50°	7.8	8.3	9.4	9.8	11.7	14.0	17.5	24.1	34.3	59.1	96.2
-52.5°	7.8	8.3	9.4	9.9	11.4	13.7	17.0	22.5	29.9	48.0	73.9
-55°	7.8	8.2	9.4	9.9	11.1	13.3	16.4	20.7	27.4	36.1	60.1
-57.5°	7.8	8.2	9.4	9.9	10.8	12.9	15.6	19.7	24.9	31.1	45.5
-60°	7.8	8.2	9.4	9.8	10.4	12.4	14.8	18.4	22.5	28.1	34.0
-62.5°	7.8	8.2	9.4	9.8	10.4	11.9	14.1	17.1	21.0	25.1	30.6
-65°	7.8	8.2	9.3	9.8	10.3	11.3	13.3	15.8	19.4	23.0	27.1
-67.5°	7.8	8.1	9.1	9.8	10.1	10.9	12.5	14.9	17.7	21.2	24.6
-70°	7.8	8.1	9.0	9.7	10.0	10.6	11.6	14.0	16.6	19.3	22.5
-72.5°	7.8	8.1	8.9	9.6	9.9	10.4	11.2	13.0	15.5	18.0	20.5
-75°	7.8	8.0	8.7	9.4	9.7	10.1	10.7	12.3	14.4	16.7	19.1
-77.5°	7.8	8.0	8.6	9.2	9.6	9.8	10.2	11.7	13.5	15.4	17.6
-80°	7.8	8.0	8.4	9.0	9.4	9.6	9.8	11.1	12.6	14.3	16.1
-82.5°	7.8	7.9	8.3	8.8	9.2	9.5	9.7	10.5	11.7	13.1	14.6
-85°	7.8	7.9	8.1	8.6	9.1	9.4	9.7	10.3	11.0	11.9	13.0
-87.5°	7.8	7.8	8.0	8.5	8.9	9.3	9.7	10.0	10.4	10.8	11.3
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8



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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°	9.7	9.7	9.7	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.1
87.5°	6.5	6.3	6.1	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
85°	7.2	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
82.5°	7.3	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.4	4.9	4.4
80°	7.4	6.9	6.4	5.9	5.8	5.8	5.8	5.8	5.4	5.0	4.8
77.5°	7.4	6.9	6.4	5.9	5.9	6.2	6.5	6.8	6.8	6.6	6.3
75°	7.5	7.0	6.7	6.7	7.1	7.5	7.8	7.8	7.5	7.0	6.5
72.5°	7.6	7.4	7.4	7.8	7.8	7.8	7.8	7.8	8.7	10.0	11.0
70°	7.7	7.8	7.8	7.8	7.8	8.3	10.3	13.0	15.7	17.8	20.4
67.5°	7.8	7.8	7.8	8.0	9.4	11.6	14.7	22.4	31.3	34.1	34.0
65°	7.8	7.8	8.3	9.6	11.5	17.5	25.9	36.4	44.2	43.0	40.2
62.5°	7.8	8.1	9.1	12.0	17.4	25.2	33.4	40.9	48.4	47.2	41.0
60°	7.9	8.3	11.5	17.0	22.9	29.1	37.0	41.9	46.8	48.1	38.0
57.5°	8.0	10.1	15.5	21.3	26.6	31.2	34.2	38.5	41.2	41.8	31.3
55°	9.1	13.2	19.0	24.6	28.4	27.3	29.4	32.1	33.2	30.6	22.2
52.5°	11.6	16.1	21.9	26.7	27.2	25.1	24.5	25.7	23.8	20.3	17.6
50°	13.8	18.9	24.5	27.2	26.6	23.9	20.3	19.8	19.1	17.8	16.1
47.5°	15.9	21.4	26.4	28.2	26.2	23.7	19.6	19.1	19.2	20.3	19.2
45°	18.0	23.0	28.1	28.4	27.0	25.0	23.2	21.2	25.0	26.2	26.1
42.5°	19.8	24.0	28.5	29.0	29.6	29.3	28.7	30.8	33.0	35.1	35.8
40°	20.5	24.7	30.0	33.8	33.9	35.4	39.4	43.0	43.2	45.9	47.4
37.5°	20.7	27.1	34.3	42.9	40.3	45.0	51.7	61.9	63.3	57.5	65.6
35°	20.7	30.5	45.8	55.8	54.4	57.7	73.7	88.5	95.2	85.6	98.8
32.5°	22.8	34.9	60.6	71.2	81.1	84.8	100.2	129.6	146.0	152.2	163.2
30°	27.6	48.5	77.6	89.1	116.8	135.2	148.1	183.2	213.3	304.5	372.1
27.5°	33.7	65.2	94.6	121.0	161.8	193.5	221.2	257.3	367.7	533.8	706.3
25°	39.6	87.6	113.2	162.3	217.6	260.5	298.5	349.7	581.0	921.3	1066.7
22.5°	51.6	113.4	142.8	208.8	278.6	329.4	384.6	523.0	835.5	1346.9	1406.8
20°	71.1	138.2	183.1	260.9	346.2	398.4	471.6	705.0	1123.5	1514.3	1676.3
17.5°	92.1	165.3	227.5	322.4	425.8	485.0	570.5	880.3	1371.7	1719.6	1936.9
15°	114.0	194.2	270.0	389.8	510.1	591.8	768.5	1121.0	1567.8	1960.2	2277.0
12.5°	136.3	224.1	310.6	461.3	598.4	697.2	1008.6	1488.1	1896.3	2263.8	2693.8
10°	158.2	254.5	349.0	534.7	689.0	800.7	1272.9	1861.2	2262.0	2621.3	3062.3
7.5°	202.1	295.4	389.5	608.0	780.1	901.6	1549.1	2232.0	2597.4	2934.7	3367.4
5°	250.1	345.8	451.9	695.3	871.4	994.6	1800.8	2590.5	2906.7	3210.8	3633.5
2.5°	296.8	393.7	512.2	779.0	958.6	1075.2	1929.6	2787.3	3103.3	3422.5	3863.2
0°	340.2	439.3	569.6	855.3	1040.0	1150.8	2023.6	2952.8	3267.7	3600.2	4064.8
-2.5°	376.3	485.7	630.1	891.5	1062.6	1170.1	1992.7	2951.2	3329.0	3698.3	4179.0
-5°	406.5	529.1	686.0	921.5	1080.7	1185.9	1931.5	2904.6	3379.6	3776.8	4265.2
-7.5°	430.2	569.1	736.3	944.9	1091.9	1193.8	1904.6	2924.0	3470.0	3845.8	4321.5
-10°	443.1	585.0	740.0	943.9	1093.9	1195.6	1845.1	2884.0	3545.0	3907.1	4345.4
-12.5°	425.8	578.3	730.4	934.2	1094.6	1194.9	1730.6	2778.0	3606.5	3965.7	4323.6
-15°	406.6	568.3	714.7	915.0	1094.7	1192.1	1555.7	2601.6	3571.6	3861.1	4233.0
-17.5°	386.6	555.0	692.7	886.0	1095.2	1187.4	1307.1	2223.2	3223.1	3639.7	4086.8
-20°	366.6	538.2	664.1	846.5	1089.3	1155.5	1211.1	1838.9	2715.1	3358.2	3810.1



REPORT NUMBER: P731623 (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°	347.6	518.0	635.0	808.7	1004.9	1100.7	1153.6	1466.9	2191.9	3016.2	3396.6
-25°	337.2	488.2	609.8	750.9	916.8	1043.6	1089.1	1154.1	1730.0	2475.3	3019.3
-27.5°	331.9	462.3	575.9	693.5	835.1	975.1	1024.3	1080.8	1374.0	1946.0	2622.9
-30°	323.2	429.2	540.3	641.0	767.6	887.3	959.1	1023.8	1103.5	1533.3	2068.6
-32.5°	303.8	394.8	501.5	599.8	704.8	810.7	911.9	982.5	1047.5	1163.9	1587.4
-35°	281.0	365.7	461.2	557.0	645.7	749.1	854.2	946.6	999.1	1053.3	1240.1
-37.5°	262.1	334.9	420.1	512.6	598.0	691.7	793.7	891.3	964.0	1013.4	1084.3
-40°	241.6	302.4	383.0	467.2	550.8	635.4	729.2	824.2	914.7	990.5	1047.6
-42.5°	219.7	278.2	345.9	421.4	501.4	581.0	662.9	753.1	848.5	947.2	1021.2
-45°	195.7	252.6	309.1	379.6	450.5	524.7	600.7	680.5	777.0	871.5	965.3
-47.5°	169.9	225.1	279.7	337.4	402.7	468.7	536.9	618.0	702.9	792.2	880.2
-50°	143.1	194.5	249.2	301.8	357.5	415.9	476.5	556.6	637.5	714.7	793.7
-52.5°	117.2	162.2	214.5	267.6	317.0	368.4	426.6	496.8	572.5	647.2	717.6
-55°	90.6	132.1	177.1	228.4	279.1	325.0	379.8	442.2	506.1	577.0	645.2
-57.5°	69.9	101.6	141.1	184.9	234.0	284.5	336.7	389.3	447.5	507.6	566.4
-60°	52.0	75.2	105.4	143.2	184.0	233.3	290.3	342.4	391.9	441.0	494.7
-62.5°	36.0	54.3	75.6	101.9	137.3	177.8	226.7	280.7	338.2	381.8	424.7
-65°	32.2	37.2	52.0	71.5	91.3	124.9	163.8	206.2	255.0	299.6	346.0
-67.5°	28.2	32.7	37.4	45.1	62.7	81.3	101.1	135.6	172.7	204.5	237.7
-70°	25.5	28.2	32.1	36.4	40.9	48.4	64.7	82.0	99.2	117.8	144.4
-72.5°	23.1	25.6	28.0	30.4	34.1	37.9	41.6	45.1	55.0	68.5	80.8
-75°	20.9	22.9	25.1	27.3	29.3	31.4	34.0	37.2	40.2	43.4	46.8
-77.5°	18.9	20.2	21.9	23.9	25.5	26.8	28.4	30.2	32.2	34.1	35.9
-80°	16.9	17.5	18.4	19.7	21.1	22.3	23.3	24.2	25.3	26.7	28.3
-82.5°	15.1	15.5	16.0	16.4	17.2	18.0	19.0	20.1	20.7	21.4	22.1
-85°	13.3	13.6	13.9	14.2	14.5	15.0	15.5	16.0	16.3	16.7	17.0
-87.5°	11.5	11.6	11.8	11.9	12.3	12.6	12.8	13.0	13.2	13.4	13.5
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4



REPORT NUMBER: P731623 (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°	13.6	13.6	13.6	13.6	13.6	16.5	19.4	22.4	25.3	29.7	34.0
87.5°	3.9	3.8	3.8	3.7	3.7	3.3	2.8	2.4	1.9	1.4	1.0
85°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
82.5°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
80°	4.5	4.5	4.4	4.2	3.9	3.5	3.0	2.5	1.9	1.9	1.9
77.5°	5.9	5.4	5.0	4.5	4.0	3.7	3.6	3.6	3.6	3.3	2.9
75°	6.0	5.8	6.0	5.7	5.1	4.7	4.6	4.3	4.0	3.8	3.8
72.5°	11.7	11.7	11.0	10.4	9.3	8.8	8.5	8.0	7.2	6.8	6.6
70°	21.4	21.0	20.2	18.5	15.8	13.6	12.4	11.0	9.7	9.3	9.3
67.5°	31.0	27.8	25.2	22.2	18.4	15.6	14.1	12.4	10.5	9.7	9.7
65°	35.9	29.3	24.9	21.7	19.2	16.4	13.9	11.6	9.4	8.5	8.7
62.5°	34.0	25.4	20.1	17.0	14.7	13.2	11.2	9.6	8.4	7.9	7.9
60°	28.3	19.0	14.3	12.7	11.2	9.8	9.2	8.4	7.4	6.5	6.8
57.5°	22.0	15.2	11.6	11.0	10.5	9.9	9.1	8.2	7.6	7.1	7.5
55°	16.4	13.5	11.8	11.9	11.6	10.6	9.6	9.5	9.3	9.0	9.2
52.5°	14.3	14.3	14.8	14.6	13.3	12.2	11.5	11.5	11.7	12.0	12.6
50°	16.3	16.9	16.6	15.3	15.0	14.5	13.6	14.4	15.6	16.0	16.4
47.5°	19.4	19.7	20.0	18.7	18.9	20.4	20.7	21.3	23.4	25.1	26.6
45°	24.9	27.0	27.6	28.4	28.9	31.9	33.3	34.1	40.2	43.0	43.4
42.5°	35.9	39.2	41.9	46.1	45.5	52.8	62.2	67.2	66.8	64.9	64.9
40°	52.6	58.3	71.2	78.0	85.4	93.9	94.8	84.4	84.5	95.0	94.5
37.5°	81.1	101.0	119.2	135.2	139.1	134.3	136.1	144.0	153.4	154.3	158.9
35°	136.7	177.1	186.4	198.7	212.2	199.4	197.8	210.5	206.2	228.1	243.8
32.5°	236.4	293.6	311.0	325.9	363.7	341.8	281.5	369.3	349.6	374.1	411.3
30°	376.0	488.6	564.3	586.9	596.4	599.0	655.7	706.0	745.8	799.0	874.3
27.5°	712.2	786.8	912.6	983.2	894.4	931.1	1076.7	1103.1	1253.2	1416.3	1550.2
25°	1083.1	1166.8	1390.6	1418.8	1344.6	1480.9	1621.8	1651.0	1915.7	2107.8	2567.7
22.5°	1418.3	1558.6	1798.1	1866.1	1927.9	2090.0	2253.7	2448.9	3045.2	3784.7	5126.5
20°	1702.1	1858.6	2092.8	2281.8	2436.1	2642.9	2833.7	3500.2	4784.6	7593.8	10649.5
17.5°	2045.5	2142.6	2432.0	2684.8	2926.7	3222.9	4065.8	5749.2	9467.5	15588.6	21390.1
15°	2508.4	2701.2	2880.8	3154.4	3606.2	4467.7	6327.5	11810.9	19590.0	30266.8	43491.3
12.5°	3042.0	3308.0	3557.0	3789.1	4437.2	6469.3	12403.6	21912.5	34989.3	52140.5	78094.6
10°	3518.6	3924.8	4230.6	4635.5	5890.9	9842.7	19003.5	32446.7	55425.0	85729.5	119599.8
7.5°	3849.4	4332.2	4744.6	5346.6	7393.7	14088.3	26770.2	47705.1	80367.9	121201.3	166891.6
5°	4164.2	4708.6	5113.4	5854.0	8387.3	17037.7	32657.0	60423.5	104781.5	158737.1	217398.7
2.5°	4461.6	5041.0	5438.9	6308.4	9014.6	18381.9	35122.8	68330.2	120573.2	184483.7	254153.5
0°	4737.4	5285.5	5701.5	6521.9	9544.7	19672.6	37220.4	70879.6	125908.3	192064.1	265342.5
-2.5°	4685.9	5093.4	5554.0	6376.3	9040.3	18288.6	34775.8	67885.2	119644.8	183015.0	250418.6
-5°	4667.9	4998.3	5414.2	6159.5	8417.5	15802.7	30886.3	61124.6	109382.0	166491.2	229271.7
-7.5°	4681.6	4944.0	5269.2	5885.6	7665.3	13360.9	26854.2	52987.5	92846.9	141199.6	197892.9
-10°	4711.0	4914.0	5243.6	5785.8	7031.6	10679.1	20323.1	40824.5	73001.2	111459.7	155635.4
-12.5°	4761.9	5035.3	5366.1	5734.6	6394.8	8506.0	15983.5	31690.9	53974.9	80993.6	114607.4
-15°	4744.4	5096.9	5470.6	5698.2	6057.7	7232.8	10367.5	20925.1	37346.0	55265.5	75608.2
-17.5°	4616.6	5038.7	5202.9	5379.4	5598.2	6177.1	7926.7	12620.2	21971.0	33745.0	45190.0
-20°	4319.9	4533.5	4738.9	4949.6	5191.8	5511.3	6055.5	7883.8	10621.9	17303.0	22888.4



REPORT NUMBER: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3763.1	3968.6	4146.6	4488.4	4732.8	4967.6	5267.3	5662.9	6716.0	8370.3	11119.7
-25°	3285.4	3412.1	3662.4	4061.5	4324.2	4464.7	4652.7	4802.8	5163.8	5548.1	6497.7
-27.5°	2903.7	3093.5	3402.0	3751.5	4003.3	4116.4	4215.2	4303.4	4530.1	4687.2	4956.9
-30°	2601.6	2909.0	3198.1	3517.9	3749.4	3883.8	3925.9	4053.2	4201.0	4313.1	4422.4
-32.5°	2168.3	2709.1	2972.0	3236.9	3498.5	3663.8	3777.2	3877.5	4016.2	4102.3	4145.3
-35°	1701.7	2255.3	2773.1	2950.7	3140.9	3378.5	3571.9	3674.0	3765.2	3848.2	3900.6
-37.5°	1284.2	1737.7	2219.7	2653.1	2856.7	3034.5	3315.8	3486.2	3568.9	3692.7	3763.1
-40°	1113.8	1242.5	1653.6	2059.5	2424.7	2829.7	3103.4	3366.0	3625.6	3784.6	3887.9
-42.5°	1075.6	1128.1	1176.9	1461.4	1826.6	2193.4	2596.8	3042.3	3414.8	3695.3	3955.9
-45°	1044.8	1084.7	1124.0	1168.5	1211.3	1491.9	1807.3	2139.3	2568.0	2982.9	3341.2
-47.5°	965.1	1040.8	1085.0	1118.5	1153.4	1192.3	1228.0	1303.3	1591.5	1898.0	2189.1
-50°	874.6	949.6	1016.8	1079.0	1123.9	1154.0	1176.5	1206.0	1240.4	1271.0	1299.1
-52.5°	785.5	858.2	926.5	994.1	1057.4	1115.7	1169.6	1203.6	1229.7	1252.6	1266.9
-55°	710.6	773.3	834.5	901.3	966.4	1028.4	1087.0	1139.6	1189.0	1235.3	1261.7
-57.5°	628.6	690.4	751.6	813.3	872.7	929.8	986.2	1041.3	1093.5	1141.2	1170.1
-60°	547.6	599.5	660.3	723.7	782.9	838.1	894.3	947.6	997.0	1039.0	1064.8
-62.5°	471.5	519.9	570.4	626.7	687.6	747.1	797.1	847.6	898.1	941.4	971.1
-65°	390.7	431.3	472.4	516.4	563.0	611.7	661.7	711.0	759.0	798.2	826.4
-67.5°	276.5	316.7	355.9	395.1	430.9	466.8	505.2	543.9	582.4	614.0	638.9
-70°	170.4	195.6	219.3	244.8	274.7	306.0	337.9	367.7	395.4	415.9	431.0
-72.5°	92.0	102.1	114.3	133.3	151.1	169.7	189.1	207.6	225.1	238.0	247.6
-75°	50.4	55.0	62.9	70.3	77.3	85.5	94.0	102.0	109.3	116.6	123.3
-77.5°	38.1	40.4	42.5	44.4	46.0	48.9	52.2	55.5	58.9	63.3	67.9
-80°	29.8	30.9	32.1	33.3	34.4	36.4	38.6	40.7	42.7	44.8	46.7
-82.5°	22.9	23.5	24.1	24.5	25.0	26.3	27.7	29.0	30.3	32.4	34.5
-85°	17.3	17.7	18.1	18.4	18.7	19.7	20.7	21.8	22.9	24.5	26.0
-87.5°	13.6	14.0	14.5	14.9	15.4	16.1	16.7	17.3	17.8	19.2	20.6
-90°	3.9	3.4	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.4	1.0



REPORT NUMBER: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	38.4	42.8	45.7	48.6	45.7	42.8	38.4	34.0	29.7	25.3	22.4
87.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	2.4
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5
77.5°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.6	3.6
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.0	4.3
72.5°	6.2	5.8	5.8	5.8	5.8	5.8	6.2	6.6	6.8	7.2	8.0
70°	9.5	9.6	9.7	9.7	9.7	9.6	9.5	9.3	9.3	9.7	11.0
67.5°	9.7	9.7	8.8	7.8	8.8	9.7	9.7	9.7	9.7	10.5	12.4
65°	9.1	9.6	8.8	7.8	8.8	9.6	9.1	8.7	8.5	9.4	11.6
62.5°	7.9	7.9	7.8	7.8	7.8	7.9	7.9	7.9	7.9	8.4	9.6
60°	7.2	7.7	7.8	7.8	7.8	7.7	7.2	6.8	6.5	7.4	8.4
57.5°	7.7	7.8	8.6	9.7	8.6	7.8	7.7	7.5	7.1	7.6	8.2
55°	9.4	9.6	9.7	9.7	9.7	9.6	9.4	9.2	9.0	9.3	9.5
52.5°	13.0	13.3	13.5	13.6	13.5	13.3	13.0	12.6	12.0	11.7	11.5
50°	16.9	17.2	16.8	15.6	16.8	17.2	16.9	16.4	16.0	15.6	14.4
47.5°	27.9	28.6	28.3	27.2	28.3	28.6	27.9	26.6	25.1	23.4	21.3
45°	44.5	44.5	44.3	44.7	44.3	44.5	44.5	43.4	43.0	40.2	34.1
42.5°	66.6	67.2	67.4	68.0	67.4	67.2	66.6	64.9	64.9	66.8	67.2
40°	96.2	96.7	95.6	93.3	95.6	96.7	96.2	94.5	95.0	84.5	84.4
37.5°	167.0	170.8	169.8	167.2	169.8	170.8	167.0	158.9	154.3	153.4	144.0
35°	249.4	247.2	240.5	241.0	240.5	247.2	249.4	243.8	228.1	206.2	210.5
32.5°	389.6	403.6	408.0	410.2	408.0	403.6	389.6	411.3	374.1	349.6	369.3
30°	927.4	899.4	775.0	736.7	775.0	899.4	927.4	874.3	799.0	745.8	706.0
27.5°	1647.5	1736.2	1817.5	1825.3	1817.5	1736.2	1647.5	1550.2	1416.3	1253.2	1103.1
25°	3042.6	3341.6	3467.5	3450.5	3467.5	3341.6	3042.6	2567.7	2107.8	1915.7	1651.0
22.5°	6713.1	7733.2	8264.8	8283.1	8264.8	7733.2	6713.1	5126.5	3784.7	3045.2	2448.9
20°	14647.9	17109.8	17731.5	17545.9	17731.5	17109.8	14647.9	10649.5	7593.8	4784.6	3500.2
17.5°	30202.4	37485.2	42457.3	42799.5	42457.3	37485.2	30202.4	21390.1	15588.6	9467.5	5749.2
15°	58782.9	72170.2	79112.6	80292.1	79112.6	72170.2	58782.9	43491.3	30266.8	19590.0	11810.9
12.5°	102689.2	123065.7	134403.2	136343.3	134403.2	123065.7	102689.2	78094.6	52140.5	34989.3	21912.5
10°	156633.5	185053.8	203533.3	211874.7	203533.3	185053.8	156633.5	119599.8	85729.5	55425.0	32446.7
7.5°	211984.5	256758.6	293323.9	301614.3	293323.9	256758.6	211984.5	166891.6	121201.3	80367.9	47705.1
5°	280461.2	340496.2	375610.6	383720.0	375610.6	340496.2	280461.2	217398.7	158737.1	104781.5	60423.5
2.5°	331240.5	395788.4	432592.1	452817.0	432592.1	395788.4	331240.5	254153.5	184483.7	120573.2	68330.2
0°	346999.2	405733.1	449978.9	481793.2	449978.9	405733.1	346999.2	265342.5	192064.1	125908.3	70879.6
-2.5°	325669.4	387945.9	420050.9	437937.2	420050.9	387945.9	325669.4	250418.6	183015.0	119644.8	67885.2
-5°	291736.1	348982.1	383995.0	394788.7	383995.0	348982.1	291736.1	229271.7	166491.2	109382.0	61124.6
-7.5°	247278.8	289084.1	315305.3	328527.0	315305.3	289084.1	247278.8	197892.9	141199.6	92846.9	52987.5
-10°	199157.9	230885.9	250444.3	257759.2	250444.3	230885.9	199157.9	155635.4	111459.7	73001.2	40824.5
-12.5°	145870.5	171141.4	186167.1	191964.0	186167.1	171141.4	145870.5	114607.4	80993.6	53974.9	31690.9
-15°	96281.3	114497.9	126055.7	130091.6	126055.7	114497.9	96281.3	75608.2	55265.5	37346.0	20925.1
-17.5°	58355.9	68411.5	75893.3	77780.5	75893.3	68411.5	58355.9	45190.0	33745.0	21971.0	12620.2
-20°	30881.0	35406.0	37933.0	39642.6	37933.0	35406.0	30881.0	22888.4	17303.0	10621.9	7883.8



REPORT NUMBER: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14639.9	17104.2	18240.0	19106.9	18240.0	17104.2	14639.9	11119.7	8370.3	6716.0	5662.9
-25°	7326.7	7836.4	8058.4	8368.6	8058.4	7836.4	7326.7	6497.7	5548.1	5163.8	4802.8
-27.5°	5139.1	5258.7	5305.8	5343.9	5305.8	5258.7	5139.1	4956.9	4687.2	4530.1	4303.4
-30°	4478.5	4498.1	4495.2	4492.4	4495.2	4498.1	4478.5	4422.4	4313.1	4201.0	4053.2
-32.5°	4191.9	4212.9	4211.3	4208.6	4211.3	4212.9	4191.9	4145.3	4102.3	4016.2	3877.5
-35°	3934.3	3961.6	3975.0	3981.2	3975.0	3961.6	3934.3	3900.6	3848.2	3765.2	3674.0
-37.5°	3802.3	3808.1	3792.7	3775.1	3792.7	3808.1	3802.3	3763.1	3692.7	3568.9	3486.2
-40°	3938.6	4031.0	4123.8	4152.2	4123.8	4031.0	3938.6	3887.9	3784.6	3625.6	3366.0
-42.5°	4041.7	4101.1	4127.9	4119.2	4127.9	4101.1	4041.7	3955.9	3695.3	3414.8	3042.3
-45°	3578.0	3761.9	3870.9	3897.6	3870.9	3761.9	3578.0	3341.2	2982.9	2568.0	2139.3
-47.5°	2433.2	2639.3	2769.1	2810.9	2769.1	2639.3	2433.2	2189.1	1898.0	1591.5	1303.3
-50°	1326.3	1352.3	1360.8	1353.0	1360.8	1352.3	1326.3	1299.1	1271.0	1240.4	1206.0
-52.5°	1280.9	1296.2	1306.2	1312.2	1306.2	1296.2	1280.9	1266.9	1252.6	1229.7	1203.6
-55°	1284.4	1304.2	1315.0	1319.9	1315.0	1304.2	1284.4	1261.7	1235.3	1189.0	1139.6
-57.5°	1195.7	1217.9	1228.6	1232.5	1228.6	1217.9	1195.7	1170.1	1141.2	1093.5	1041.3
-60°	1088.3	1109.4	1117.6	1119.7	1117.6	1109.4	1088.3	1064.8	1039.0	997.0	947.6
-62.5°	998.6	1023.5	1034.2	1038.1	1034.2	1023.5	998.6	971.1	941.4	898.1	847.6
-65°	851.2	872.5	879.7	880.6	879.7	872.5	851.2	826.4	798.2	759.0	711.0
-67.5°	661.2	680.4	687.1	688.2	687.1	680.4	661.2	638.9	614.0	582.4	543.9
-70°	443.2	452.4	456.3	456.8	456.3	452.4	443.2	431.0	415.9	395.4	367.7
-72.5°	255.2	260.8	262.6	262.4	262.6	260.8	255.2	247.6	238.0	225.1	207.6
-75°	129.3	134.5	135.8	136.1	135.8	134.5	129.3	123.3	116.6	109.3	102.0
-77.5°	72.5	77.1	77.7	77.8	77.7	77.1	72.5	67.9	63.3	58.9	55.5
-80°	48.6	50.3	50.5	50.5	50.5	50.3	48.6	46.7	44.8	42.7	40.7
-82.5°	36.7	38.8	38.9	38.9	38.9	38.8	36.7	34.5	32.4	30.3	29.0
-85°	27.6	29.1	30.1	31.1	30.1	29.1	27.6	26.0	24.5	22.9	21.8
-87.5°	22.0	23.4	24.3	25.3	24.3	23.4	22.0	20.6	19.2	17.8	17.3
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	19.4	16.5	13.6	13.6	13.6	13.6	13.6	13.1	12.7	12.2	11.7
87.5°	2.8	3.3	3.7	3.7	3.8	3.8	3.9	4.4	4.9	5.3	5.8
85°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
82.5°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.8
80°	3.0	3.5	3.9	4.2	4.4	4.5	4.5	4.8	5.0	5.4	5.8
77.5°	3.6	3.7	4.0	4.5	5.0	5.4	5.9	6.3	6.6	6.8	6.8
75°	4.6	4.7	5.1	5.7	6.0	5.8	6.0	6.5	7.0	7.5	7.8
72.5°	8.5	8.8	9.3	10.4	11.0	11.7	11.7	11.0	10.0	8.7	7.8
70°	12.4	13.6	15.8	18.5	20.2	21.0	21.4	20.4	17.8	15.7	13.0
67.5°	14.1	15.6	18.4	22.2	25.2	27.8	31.0	34.0	34.1	31.3	22.4
65°	13.9	16.4	19.2	21.7	24.9	29.3	35.9	40.2	43.0	44.2	36.4
62.5°	11.2	13.2	14.7	17.0	20.1	25.4	34.0	41.0	47.2	48.4	40.9
60°	9.2	9.8	11.2	12.7	14.3	19.0	28.3	38.0	48.1	46.8	41.9
57.5°	9.1	9.9	10.5	11.0	11.6	15.2	22.0	31.3	41.8	41.2	38.5
55°	9.6	10.6	11.6	11.9	11.8	13.5	16.4	22.2	30.6	33.2	32.1
52.5°	11.5	12.2	13.3	14.6	14.8	14.3	14.3	17.6	20.3	23.8	25.7
50°	13.6	14.5	15.0	15.3	16.6	16.9	16.3	16.1	17.8	19.1	19.8
47.5°	20.7	20.4	18.9	18.7	20.0	19.7	19.4	19.2	20.3	19.2	19.1
45°	33.3	31.9	28.9	28.4	27.6	27.0	24.9	26.1	26.2	25.0	21.2
42.5°	62.2	52.8	45.5	46.1	41.9	39.2	35.9	35.8	35.1	33.0	30.8
40°	94.8	93.9	85.4	78.0	71.2	58.3	52.6	47.4	45.9	43.2	43.0
37.5°	136.1	134.3	139.1	135.2	119.2	101.0	81.1	65.6	57.5	63.3	61.9
35°	197.8	199.4	212.2	198.7	186.4	177.1	136.7	98.8	85.6	95.2	88.5
32.5°	281.5	341.8	363.7	325.9	311.0	293.6	236.4	163.2	152.2	146.0	129.6
30°	655.7	599.0	596.4	586.9	564.3	488.6	376.0	372.1	304.5	213.3	183.2
27.5°	1076.7	931.1	894.4	983.2	912.6	786.8	712.2	706.3	533.8	367.7	257.3
25°	1621.8	1480.9	1344.6	1418.8	1390.6	1166.8	1083.1	1066.7	921.3	581.0	349.7
22.5°	2253.7	2090.0	1927.9	1866.1	1798.1	1558.6	1418.3	1406.8	1346.9	835.5	523.0
20°	2833.7	2642.9	2436.1	2281.8	2092.8	1858.6	1702.1	1676.3	1514.3	1123.5	705.0
17.5°	4065.8	3222.9	2926.7	2684.8	2432.0	2142.6	2045.5	1936.9	1719.6	1371.7	880.3
15°	6327.5	4467.7	3606.2	3154.4	2880.8	2701.2	2508.4	2277.0	1960.2	1567.8	1121.0
12.5°	12403.6	6469.3	4437.2	3789.1	3557.0	3308.0	3042.0	2693.8	2263.8	1896.3	1488.1
10°	19003.5	9842.7	5890.9	4635.5	4230.6	3924.8	3518.6	3062.3	2621.3	2262.0	1861.2
7.5°	26770.2	14088.3	7393.7	5346.6	4744.6	4332.2	3849.4	3367.4	2934.7	2597.4	2232.0
5°	32657.0	17037.7	8387.3	5854.0	5113.4	4708.6	4164.2	3633.5	3210.8	2906.7	2590.5
2.5°	35122.8	18381.9	9014.6	6308.4	5438.9	5041.0	4461.6	3863.2	3422.5	3103.3	2787.3
0°	37220.4	19672.6	9544.7	6521.9	5701.5	5285.5	4737.4	4064.8	3600.2	3267.7	2952.8
-2.5°	34775.8	18288.6	9040.3	6376.3	5554.0	5093.4	4685.9	4179.0	3698.3	3329.0	2951.2
-5°	30886.3	15802.7	8417.5	6159.5	5414.2	4998.3	4667.9	4265.2	3776.8	3379.6	2904.6
-7.5°	26854.2	13360.9	7665.3	5885.6	5269.2	4944.0	4681.6	4321.5	3845.8	3470.0	2924.0
-10°	20323.1	10679.1	7031.6	5785.8	5243.6	4914.0	4711.0	4345.4	3907.1	3545.0	2884.0
-12.5°	15983.5	8506.0	6394.8	5734.6	5366.1	5035.3	4761.9	4323.6	3965.7	3606.5	2778.0
-15°	10367.5	7232.8	6057.7	5698.2	5470.6	5096.9	4744.4	4233.0	3861.1	3571.6	2601.6
-17.5°	7926.7	6177.1	5598.2	5379.4	5202.9	5038.7	4616.6	4086.8	3639.7	3223.1	2223.2
-20°	6055.5	5511.3	5191.8	4949.6	4738.9	4533.5	4319.9	3810.1	3358.2	2715.1	1838.9



REPORT NUMBER: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5267.3	4967.6	4732.8	4488.4	4146.6	3968.6	3763.1	3396.6	3016.2	2191.9	1466.9
-25°	4652.7	4464.7	4324.2	4061.5	3662.4	3412.1	3285.4	3019.3	2475.3	1730.0	1154.1
-27.5°	4215.2	4116.4	4003.3	3751.5	3402.0	3093.5	2903.7	2622.9	1946.0	1374.0	1080.8
-30°	3925.9	3883.8	3749.4	3517.9	3198.1	2909.0	2601.6	2068.6	1533.3	1103.5	1023.8
-32.5°	3777.2	3663.8	3498.5	3236.9	2972.0	2709.1	2168.3	1587.4	1163.9	1047.5	982.5
-35°	3571.9	3378.5	3140.9	2950.7	2773.1	2255.3	1701.7	1240.1	1053.3	999.1	946.6
-37.5°	3315.8	3034.5	2856.7	2653.1	2219.7	1737.7	1284.2	1084.3	1013.4	964.0	891.3
-40°	3103.4	2829.7	2424.7	2059.5	1653.6	1242.5	1113.8	1047.6	990.5	914.7	824.2
-42.5°	2596.8	2193.4	1826.6	1461.4	1176.9	1128.1	1075.6	1021.2	947.2	848.5	753.1
-45°	1807.3	1491.9	1211.3	1168.5	1124.0	1084.7	1044.8	965.3	871.5	777.0	680.5
-47.5°	1228.0	1192.3	1153.4	1118.5	1085.0	1040.8	965.1	880.2	792.2	702.9	618.0
-50°	1176.5	1154.0	1123.9	1079.0	1016.8	949.6	874.6	793.7	714.7	637.5	556.6
-52.5°	1169.6	1115.7	1057.4	994.1	926.5	858.2	785.5	717.6	647.2	572.5	496.8
-55°	1087.0	1028.4	966.4	901.3	834.5	773.3	710.6	645.2	577.0	506.1	442.2
-57.5°	986.2	929.8	872.7	813.3	751.6	690.4	628.6	566.4	507.6	447.5	389.3
-60°	894.3	838.1	782.9	723.7	660.3	599.5	547.6	494.7	441.0	391.9	342.4
-62.5°	797.1	747.1	687.6	626.7	570.4	519.9	471.5	424.7	381.8	338.2	280.7
-65°	661.7	611.7	563.0	516.4	472.4	431.3	390.7	346.0	299.6	255.0	206.2
-67.5°	505.2	466.8	430.9	395.1	355.9	316.7	276.5	237.7	204.5	172.7	135.6
-70°	337.9	306.0	274.7	244.8	219.3	195.6	170.4	144.4	117.8	99.2	82.0
-72.5°	189.1	169.7	151.1	133.3	114.3	102.1	92.0	80.8	68.5	55.0	45.1
-75°	94.0	85.5	77.3	70.3	62.9	55.0	50.4	46.8	43.4	40.2	37.2
-77.5°	52.2	48.9	46.0	44.4	42.5	40.4	38.1	35.9	34.1	32.2	30.2
-80°	38.6	36.4	34.4	33.3	32.1	30.9	29.8	28.3	26.7	25.3	24.2
-82.5°	27.7	26.3	25.0	24.5	24.1	23.5	22.9	22.1	21.4	20.7	20.1
-85°	20.7	19.7	18.7	18.4	18.1	17.7	17.3	17.0	16.7	16.3	16.0
-87.5°	16.7	16.1	15.4	14.9	14.5	14.0	13.6	13.5	13.4	13.2	13.0
-90°	1.9	1.9	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.3	5.8



REPORT NUMBER: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.2	10.7	10.2	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
87.5°	5.8	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.9	7.1	7.5
85°	5.8	5.8	5.8	5.8	6.3	6.8	7.2	7.5	7.5	7.5	7.6
82.5°	5.8	5.8	5.8	5.8	6.3	6.8	7.3	7.8	7.8	7.8	7.8
80°	5.8	5.8	5.8	5.9	6.4	6.9	7.4	7.8	7.8	7.8	7.8
77.5°	6.5	6.2	5.9	5.9	6.4	6.9	7.4	7.8	7.8	7.8	7.8
75°	7.8	7.5	7.1	6.7	6.7	7.0	7.5	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.4	7.4	7.6	7.8	7.8	7.8	7.8
70°	10.3	8.3	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8
67.5°	14.7	11.6	9.4	8.0	7.8	7.8	7.8	8.0	8.1	7.8	7.8
65°	25.9	17.5	11.5	9.6	8.3	7.8	7.8	8.2	8.4	8.2	7.8
62.5°	33.4	25.2	17.4	12.0	9.1	8.1	7.8	8.3	8.7	8.7	8.1
60°	37.0	29.1	22.9	17.0	11.5	8.3	7.9	8.4	8.8	9.1	8.6
57.5°	34.2	31.2	26.6	21.3	15.5	10.1	8.0	8.5	8.9	9.3	9.2
55°	29.4	27.3	28.4	24.6	19.0	13.2	9.1	8.6	9.0	9.4	9.7
52.5°	24.5	25.1	27.2	26.7	21.9	16.1	11.6	8.7	9.1	9.5	9.7
50°	20.3	23.9	26.6	27.2	24.5	18.9	13.8	10.2	9.2	9.6	9.7
47.5°	19.6	23.7	26.2	28.2	26.4	21.4	15.9	11.7	9.3	9.7	9.7
45°	23.2	25.0	27.0	28.4	28.1	23.0	18.0	12.8	10.2	9.8	9.7
42.5°	28.7	29.3	29.6	29.0	28.5	24.0	19.8	14.3	10.9	9.9	9.8
40°	39.4	35.4	33.9	33.8	30.0	24.7	20.5	15.8	11.4	10.3	9.9
37.5°	51.7	45.0	40.3	42.9	34.3	27.1	20.7	17.0	12.6	11.1	10.1
35°	73.7	57.7	54.4	55.8	45.8	30.5	20.7	17.7	14.6	12.0	10.4
32.5°	100.2	84.8	81.1	71.2	60.6	34.9	22.8	19.3	16.7	13.0	10.6
30°	148.1	135.2	116.8	89.1	77.6	48.5	27.6	21.3	18.9	14.0	11.1
27.5°	221.2	193.5	161.8	121.0	94.6	65.2	33.7	23.6	21.1	15.4	11.9
25°	298.5	260.5	217.6	162.3	113.2	87.6	39.6	26.3	23.1	17.2	12.8
22.5°	384.6	329.4	278.6	208.8	142.8	113.4	51.6	31.3	25.2	19.0	13.6
20°	471.6	398.4	346.2	260.9	183.1	138.2	71.1	36.1	27.4	20.7	14.5
17.5°	570.5	485.0	425.8	322.4	227.5	165.3	92.1	40.6	29.7	22.4	15.4
15°	768.5	591.8	510.1	389.8	270.0	194.2	114.0	44.8	32.1	24.1	16.2
12.5°	1008.6	697.2	598.4	461.3	310.6	224.1	136.3	48.6	34.5	25.8	16.9
10°	1272.9	800.7	689.0	534.7	349.0	254.5	158.2	54.6	38.3	27.4	17.6
7.5°	1549.1	901.6	780.1	608.0	389.5	295.4	202.1	65.6	42.4	29.0	18.1
5°	1800.8	994.6	871.4	695.3	451.9	345.8	250.1	77.0	46.6	30.5	18.6
2.5°	1929.6	1075.2	958.6	779.0	512.2	393.7	296.8	88.3	50.6	31.8	19.1
0°	2023.6	1150.8	1040.0	855.3	569.6	439.3	340.2	99.1	54.4	33.0	19.4
-2.5°	1992.7	1170.1	1062.6	891.5	630.1	485.7	376.3	128.0	71.1	42.8	23.9
-5°	1931.5	1185.9	1080.7	921.5	686.0	529.1	406.5	155.3	87.0	52.1	28.3
-7.5°	1904.6	1193.8	1091.9	944.9	736.3	569.1	430.2	180.2	101.9	60.7	32.3
-10°	1845.1	1195.6	1093.9	943.9	740.0	585.0	443.1	202.2	115.3	68.4	35.9
-12.5°	1730.6	1194.9	1094.6	934.2	730.4	578.3	425.8	215.2	126.9	74.9	38.9
-15°	1555.7	1192.1	1094.7	915.0	714.7	568.3	406.6	223.0	136.0	80.8	41.2
-17.5°	1307.1	1187.4	1095.2	886.0	692.7	555.0	386.6	228.2	143.5	86.2	43.9
-20°	1211.1	1155.5	1089.3	846.5	664.1	538.2	366.6	230.8	149.2	90.2	46.4



REPORT NUMBER: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1153.6	1100.7	1004.9	808.7	635.0	518.0	347.6	230.7	153.1	92.7	47.6
-25°	1089.1	1043.6	916.8	750.9	609.8	488.2	337.2	227.8	155.0	93.5	47.6
-27.5°	1024.3	975.1	835.1	693.5	575.9	462.3	331.9	228.8	155.2	92.6	46.1
-30°	959.1	887.3	767.6	641.0	540.3	429.2	323.2	227.6	153.8	90.8	43.1
-32.5°	911.9	810.7	704.8	599.8	501.5	394.8	303.8	223.7	150.0	87.3	41.5
-35°	854.2	749.1	645.7	557.0	461.2	365.7	281.0	217.1	143.8	81.6	39.9
-37.5°	793.7	691.7	598.0	512.6	420.1	334.9	262.1	200.4	135.2	73.6	37.5
-40°	729.2	635.4	550.8	467.2	383.0	302.4	241.6	182.0	124.2	63.4	34.1
-42.5°	662.9	581.0	501.4	421.4	345.9	278.2	219.7	161.9	107.1	56.2	29.9
-45°	600.7	524.7	450.5	379.6	309.1	252.6	195.7	140.5	88.5	50.3	26.6
-47.5°	536.9	468.7	402.7	337.4	279.7	225.1	169.9	118.8	69.3	43.2	25.5
-50°	476.5	415.9	357.5	301.8	249.2	194.5	143.1	96.2	59.1	34.3	24.1
-52.5°	426.6	368.4	317.0	267.6	214.5	162.2	117.2	73.9	48.0	29.9	22.5
-55°	379.8	325.0	279.1	228.4	177.1	132.1	90.6	60.1	36.1	27.4	20.7
-57.5°	336.7	284.5	234.0	184.9	141.1	101.6	69.9	45.5	31.1	24.9	19.7
-60°	290.3	233.3	184.0	143.2	105.4	75.2	52.0	34.0	28.1	22.5	18.4
-62.5°	226.7	177.8	137.3	101.9	75.6	54.3	36.0	30.6	25.1	21.0	17.1
-65°	163.8	124.9	91.3	71.5	52.0	37.2	32.2	27.1	23.0	19.4	15.8
-67.5°	101.1	81.3	62.7	45.1	37.4	32.7	28.2	24.6	21.2	17.7	14.9
-70°	64.7	48.4	40.9	36.4	32.1	28.2	25.5	22.5	19.3	16.6	14.0
-72.5°	41.6	37.9	34.1	30.4	28.0	25.6	23.1	20.5	18.0	15.5	13.0
-75°	34.0	31.4	29.3	27.3	25.1	22.9	20.9	19.1	16.7	14.4	12.3
-77.5°	28.4	26.8	25.5	23.9	21.9	20.2	18.9	17.6	15.4	13.5	11.7
-80°	23.3	22.3	21.1	19.7	18.4	17.5	16.9	16.1	14.3	12.6	11.1
-82.5°	19.0	18.0	17.2	16.4	16.0	15.5	15.1	14.6	13.1	11.7	10.5
-85°	15.5	15.0	14.5	14.2	13.9	13.6	13.3	13.0	11.9	11.0	10.3
-87.5°	12.8	12.6	12.3	11.9	11.8	11.6	11.5	11.3	10.8	10.4	10.0
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.3



REPORT NUMBER: P731623 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	9.2	8.8	8.3	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	7.9	7.8	7.8	7.8	7.8	7.8	7.8
65°	7.9	7.9	7.8	7.8	7.8	7.8	7.8
62.5°	8.0	8.0	7.8	7.8	7.8	7.8	7.8
60°	8.2	8.2	7.8	7.8	7.8	7.8	7.8
57.5°	8.5	8.4	8.0	7.8	7.8	7.8	7.8
55°	8.9	8.6	8.2	7.8	7.9	7.8	7.8
52.5°	9.2	8.8	8.4	7.8	7.9	7.8	7.8
50°	9.5	9.0	8.6	7.8	7.9	7.8	7.8
47.5°	9.7	9.2	8.8	7.8	8.0	7.8	7.8
45°	9.7	9.3	9.0	8.0	8.0	7.8	7.8
42.5°	9.7	9.5	9.3	8.2	8.1	7.8	7.8
40°	9.7	9.6	9.4	8.4	8.2	7.8	7.8
37.5°	9.7	9.7	9.5	8.6	8.2	7.8	7.8
35°	9.7	9.7	9.6	8.8	8.3	7.8	7.8
32.5°	9.8	9.7	9.7	9.0	8.4	7.8	7.8
30°	10.0	9.7	9.7	9.1	8.5	7.8	7.8
27.5°	10.2	9.7	9.7	9.2	8.6	7.8	7.8
25°	10.4	9.7	9.7	9.4	8.7	7.8	7.8
22.5°	10.7	9.7	9.7	9.4	8.8	7.8	7.8
20°	10.9	9.9	9.7	9.5	8.9	7.8	7.8
17.5°	11.3	10.1	9.7	9.6	9.0	7.8	7.8
15°	11.7	10.3	9.7	9.6	9.1	7.8	7.8
12.5°	12.1	10.5	9.7	9.7	9.2	7.8	7.8
10°	12.4	10.7	9.7	9.7	9.3	7.8	7.8
7.5°	12.7	11.0	9.7	9.7	9.4	7.8	7.8
5°	13.0	11.2	9.7	9.7	9.5	7.8	7.8
2.5°	13.3	11.5	9.7	9.7	9.6	7.8	7.8
0°	13.6	11.7	9.7	9.7	9.7	7.8	7.8
-2.5°	15.1	12.1	9.9	9.8	9.7	7.8	7.8
-5°	16.6	12.5	10.1	10.0	9.7	7.9	7.8
-7.5°	18.0	12.9	10.2	10.1	9.7	7.9	7.8
-10°	19.3	13.2	10.4	10.2	9.7	8.0	7.8
-12.5°	20.3	13.5	10.6	10.3	9.6	8.0	7.8
-15°	21.2	13.7	10.7	10.4	9.6	8.0	7.8
-17.5°	21.8	13.9	10.9	10.5	9.6	8.1	7.8
-20°	22.5	14.0	11.1	10.5	9.5	8.1	7.8



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.3	14.0	11.2	10.6	9.5	8.1	7.8
-25°	23.6	14.2	11.4	10.6	9.5	8.2	7.8
-27.5°	23.4	14.4	11.6	10.6	9.5	8.2	7.8
-30°	22.6	14.5	11.7	10.6	9.4	8.2	7.8
-32.5°	21.3	14.5	11.9	10.6	9.4	8.2	7.8
-35°	20.8	14.3	12.1	10.5	9.4	8.2	7.8
-37.5°	20.6	14.2	12.2	10.4	9.4	8.3	7.8
-40°	20.2	14.4	12.3	10.3	9.4	8.3	7.8
-42.5°	19.6	14.4	12.3	10.1	9.4	8.3	7.8
-45°	18.8	14.4	12.1	10.0	9.4	8.3	7.8
-47.5°	17.9	14.3	11.9	9.9	9.4	8.3	7.8
-50°	17.5	14.0	11.7	9.8	9.4	8.3	7.8
-52.5°	17.0	13.7	11.4	9.9	9.4	8.3	7.8
-55°	16.4	13.3	11.1	9.9	9.4	8.2	7.8
-57.5°	15.6	12.9	10.8	9.9	9.4	8.2	7.8
-60°	14.8	12.4	10.4	9.8	9.4	8.2	7.8
-62.5°	14.1	11.9	10.4	9.8	9.4	8.2	7.8
-65°	13.3	11.3	10.3	9.8	9.3	8.2	7.8
-67.5°	12.5	10.9	10.1	9.8	9.1	8.1	7.8
-70°	11.6	10.6	10.0	9.7	9.0	8.1	7.8
-72.5°	11.2	10.4	9.9	9.6	8.9	8.1	7.8
-75°	10.7	10.1	9.7	9.4	8.7	8.0	7.8
-77.5°	10.2	9.8	9.6	9.2	8.6	8.0	7.8
-80°	9.8	9.6	9.4	9.0	8.4	8.0	7.8
-82.5°	9.7	9.5	9.2	8.8	8.3	7.9	7.8
-85°	9.7	9.4	9.1	8.6	8.1	7.9	7.8
-87.5°	9.7	9.3	8.9	8.5	8.0	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(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

