

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: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

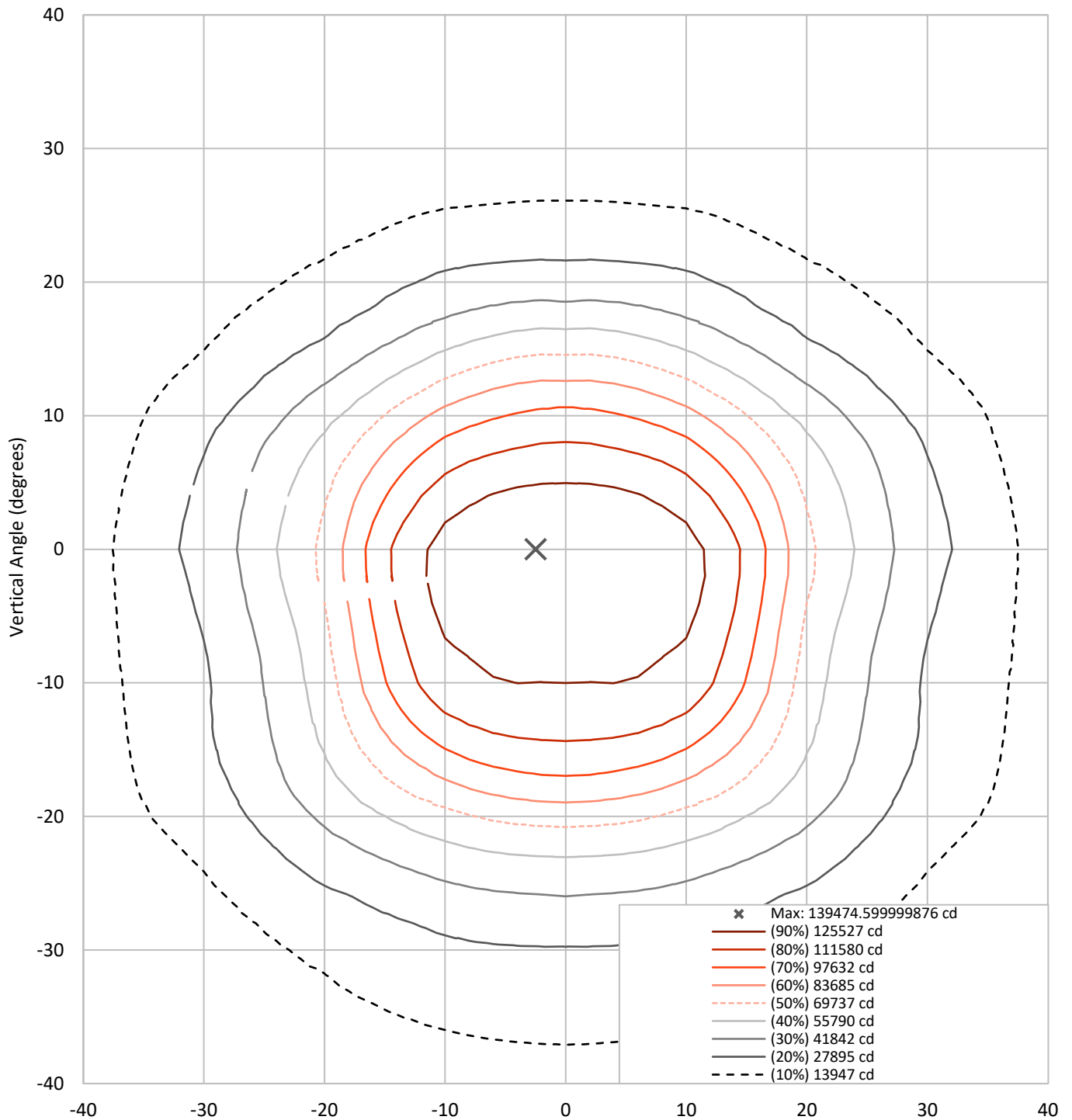
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	68834.6 lumens	Max Intensity:	139474.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	98.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	37860.4 lumens	Field Lumens:	63060.4 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





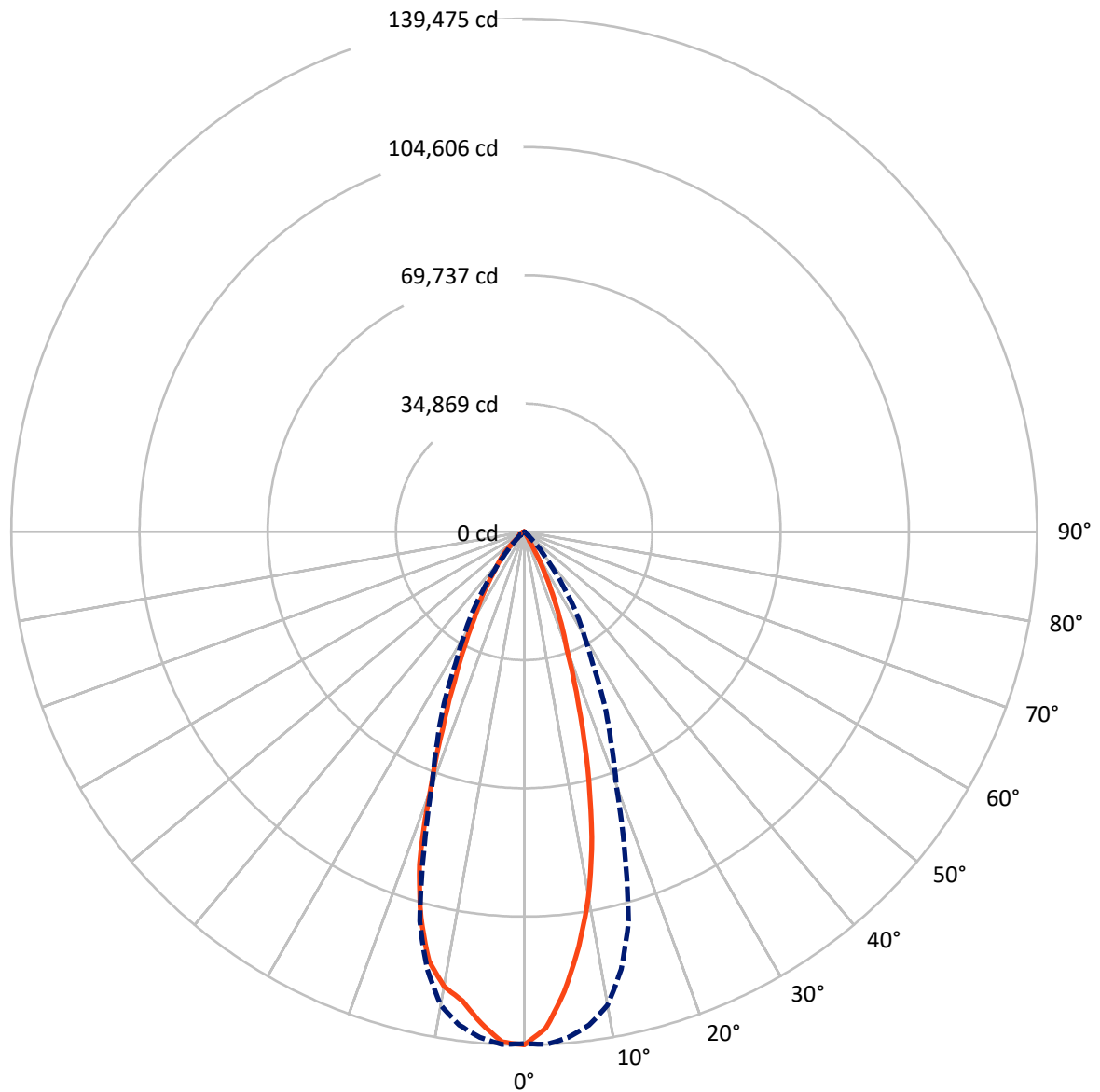
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Lumen Table

90																			
80	0.2	0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2			
70	0.2	0.1	0.2	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.2	0.1	0.2			
60		0.1	0.3	0.7	0.8	0.4	0.5	0.5	0.5	0.5	0.4	0.8	0.7	0.3	0.1				
50	0.2	0.2	0.3	0.6	0.8	1.1	1.7	2.0	2.0	1.7	1.1	0.8	0.6	0.3	0.2	0.2			
40		0.2	0.9	2.1	5.6	15.5	26.8	34.2	34.2	26.8	15.5	5.6	2.1	0.9	0.2				
30	0.2	0.4	3.0	10.5	61.1	175.7	357.1	515.7	515.7	357.1	175.7	61.1	10.5	3.0	0.4	0.2			
20		0.8	6.5	34.3	217.4	637.1	1305.8	1929.2	1929.2	1305.8	637.1	217.4	34.3	6.5	0.8				
10	0.3	1.5	11.1	74.5	447.2	1277.4	2674.6	3650.4	3650.4	2674.6	1277.4	447.2	74.5	11.1	1.5	0.3			
0		2.6	15.1	90.2	468.3	1308.1	3001.6	4000.7	4000.7	3001.6	1308.1	468.3	90.2	15.1	2.6				
-10	0.4	2.9	15.5	72.4	397.6	1077.0	2268.0	3123.2	3123.2	2268.0	1077.0	397.6	72.4	15.5	2.9	0.4			
-20		2.6	12.7	34.0	199.4	576.3	1059.8	1391.6	1391.6	1059.8	576.3	199.4	34.0	12.7	2.6				
-30	0.4	2.0	8.8	19.8	58.3	217.1	399.5	521.2	521.2	399.5	217.1	58.3	19.8	8.8	2.0	0.4			
-40		1.2	5.3	14.0	25.7	48.2	108.6	163.8	163.8	108.6	48.2	25.7	14.0	5.3	1.2				
-50	0.2	0.6	2.6	7.8	16.4	27.0	37.0	42.9	42.9	37.0	27.0	16.4	7.8	2.6	0.6	0.2			
-60		0.3	1.0	3.1	6.8	12.0	18.0	21.5	21.5	18.0	12.0	6.8	3.1	1.0	0.3				
-70																			
-80	0.2	0.8		2.5		6.5		9.1		6.5		2.5		0.8		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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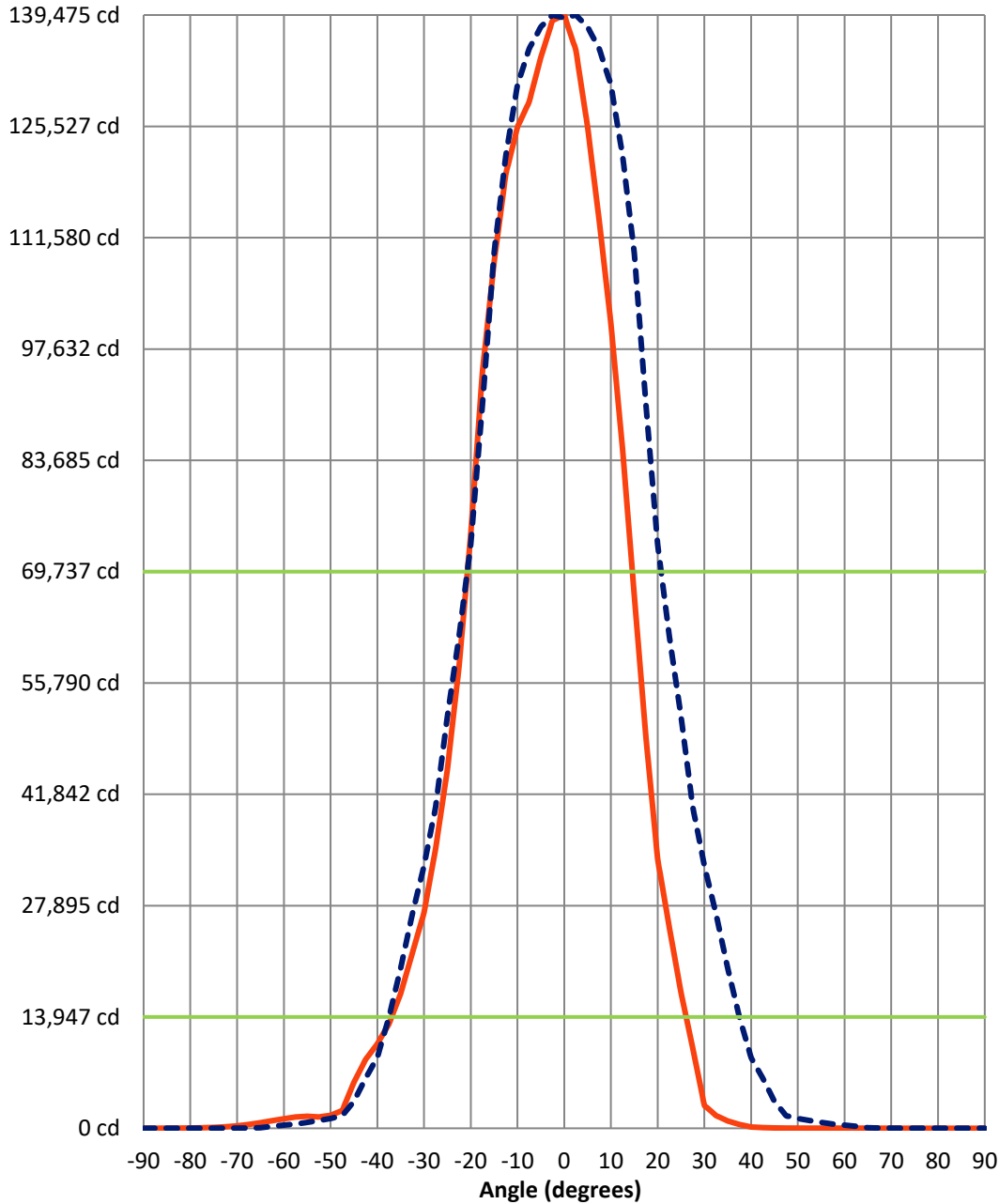
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 37860.4
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 63060.4
 Efficiency: 91.6%

Spill:
 Lumens: 5774.2
 Efficiency: 8.4%

— Vertical Distribution through -2.5-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	8.3	8.2
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.5	8.6	8.3
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.7	9.0	8.9	9.0
67.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.7	9.3	9.5	9.4	9.7
65°	8.1	8.1	8.1	8.1	8.1	8.3	9.2	9.8	9.7	9.9	10.2
62.5°	8.1	8.1	8.1	8.1	8.1	8.7	9.7	10.1	10.0	10.2	10.2
60°	8.1	8.1	8.1	8.1	8.1	9.1	10.1	10.2	10.2	10.2	10.2
57.5°	8.1	8.1	8.1	8.1	8.4	9.5	10.2	10.2	10.2	10.2	10.2
55°	8.1	8.1	8.1	8.1	8.7	9.9	10.2	10.2	10.2	10.2	10.2
52.5°	8.1	8.1	8.1	8.1	9.0	10.2	10.2	10.2	10.2	10.2	10.2
50°	8.1	8.1	8.1	8.1	9.3	10.2	10.2	10.2	10.2	10.2	10.8
47.5°	8.1	8.1	8.1	8.1	9.6	10.2	10.2	10.2	10.2	10.2	11.5
45°	8.1	8.1	8.1	8.3	9.8	10.2	10.2	10.2	10.3	10.8	12.1
42.5°	8.1	8.1	8.1	8.5	10.1	10.2	10.2	10.3	10.4	11.3	12.7
40°	8.1	8.1	8.1	8.7	10.2	10.2	10.2	10.4	10.7	11.9	13.3
37.5°	8.1	8.1	8.1	8.8	10.2	10.2	10.2	10.6	11.3	12.5	13.9
35°	8.1	8.1	8.1	8.9	10.2	10.2	10.2	10.9	11.9	13.2	14.4
32.5°	8.1	8.1	8.1	9.0	10.2	10.2	10.3	11.1	12.4	14.0	15.5
30°	8.1	8.1	8.1	9.0	10.2	10.2	10.5	11.5	12.9	14.9	16.6
27.5°	8.1	8.1	8.1	9.1	10.1	10.2	10.7	11.9	13.5	15.7	18.0
25°	8.1	8.1	8.1	9.1	10.1	10.2	10.9	12.3	14.2	16.8	19.5
22.5°	8.1	8.1	8.1	9.0	10.1	10.2	11.2	12.7	14.9	17.9	23.0
20°	8.1	8.1	8.1	9.0	10.0	10.2	11.4	13.1	15.6	19.1	26.5
17.5°	8.1	8.1	8.1	8.9	10.0	10.2	11.6	13.4	16.3	20.4	30.0
15°	8.1	8.1	8.1	8.8	10.1	10.2	11.8	13.7	17.0	21.7	33.6
12.5°	8.1	8.1	8.1	8.7	10.1	10.2	11.9	13.9	17.6	22.9	37.0
10°	8.1	8.1	8.1	8.6	10.1	10.2	12.0	14.0	18.3	24.8	41.6
7.5°	8.1	8.1	8.1	8.5	10.1	10.2	12.1	14.1	18.9	26.8	49.1
5°	8.1	8.1	8.1	8.4	10.2	10.2	12.2	14.1	19.4	28.8	56.7
2.5°	8.1	8.1	8.1	8.2	10.2	10.2	12.2	14.2	19.9	30.7	64.1
0°	8.1	8.1	8.1	8.1	10.2	10.2	12.2	14.2	19.9	30.7	64.1
-2.5°	8.1	8.1	8.1	8.2	10.2	10.6	13.0	16.1	25.8	44.6	92.0
-5°	8.1	8.1	8.1	8.4	10.2	11.1	13.8	17.9	31.0	56.0	111.5
-7.5°	8.1	8.1	8.1	8.5	10.1	11.5	14.5	19.6	35.7	66.6	129.2
-10°	8.1	8.1	8.1	8.6	10.1	11.8	15.2	21.2	39.9	75.9	144.7
-12.5°	8.1	8.1	8.1	8.7	10.1	12.1	15.8	22.6	43.3	83.7	155.4
-15°	8.1	8.1	8.1	8.8	10.1	12.4	16.3	23.7	46.6	90.4	162.8
-17.5°	8.1	8.1	8.1	8.9	10.0	12.5	16.7	25.3	49.9	95.3	167.7
-20°	8.1	8.1	8.1	9.0	10.0	12.6	17.2	27.2	52.0	98.3	169.9



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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	8.1	9.0	10.1	12.6	17.8	28.5	52.8	99.2	169.4
-25°	8.1	8.1	8.1	9.1	10.1	12.5	18.2	29.2	52.3	97.9	166.0
-27.5°	8.1	8.1	8.1	9.1	10.1	12.4	18.2	29.2	50.2	95.4	164.0
-30°	8.1	8.1	8.1	9.0	10.2	12.2	17.9	28.6	49.1	93.0	159.2
-32.5°	8.1	8.1	8.1	9.0	10.3	11.9	17.2	28.1	48.4	88.5	151.2
-35°	8.1	8.1	8.1	8.9	10.4	11.5	16.7	27.4	46.7	81.9	139.9
-37.5°	8.1	8.1	8.1	8.8	10.5	11.3	16.2	26.1	44.0	73.1	123.5
-40°	8.1	8.1	8.1	8.7	10.5	11.3	15.6	24.3	40.2	67.3	108.1
-42.5°	8.1	8.1	8.1	8.6	10.4	11.4	14.8	21.9	36.9	60.4	92.0
-45°	8.1	8.1	8.1	8.4	10.2	11.4	13.9	19.8	33.5	52.7	76.4
-47.5°	8.1	8.1	8.1	8.3	10.0	11.4	12.9	18.5	29.4	44.6	67.1
-50°	8.1	8.1	8.1	8.3	9.8	11.3	12.6	17.1	24.3	38.7	57.3
-52.5°	8.1	8.1	8.1	8.3	9.6	11.2	12.5	15.5	21.2	32.3	47.2
-55°	8.1	8.1	8.1	8.3	9.4	11.0	12.3	13.9	19.0	25.5	39.4
-57.5°	8.1	8.1	8.1	8.4	9.1	10.6	12.1	13.6	16.7	21.8	31.0
-60°	8.1	8.1	8.1	8.4	8.9	10.3	11.8	13.2	14.6	18.9	24.0
-62.5°	8.1	8.1	8.1	8.4	8.9	10.0	11.4	12.7	14.1	15.9	20.6
-65°	8.1	8.1	8.1	8.5	9.0	9.6	10.9	12.2	13.5	14.8	17.0
-67.5°	8.1	8.1	8.1	8.5	9.0	9.5	10.5	11.7	12.9	14.1	15.4
-70°	8.1	8.1	8.1	8.5	9.0	9.5	10.1	11.2	12.4	13.5	14.6
-72.5°	8.1	8.1	8.1	8.5	9.1	9.6	10.1	10.7	11.8	12.8	13.8
-75°	8.1	8.1	8.1	8.5	9.1	9.6	10.1	10.5	11.1	12.1	13.1
-77.5°	8.1	8.1	8.1	8.4	9.0	9.6	10.1	10.4	10.8	11.5	12.3
-80°	8.1	8.1	8.1	8.4	8.8	9.4	10.2	10.3	10.5	11.0	11.5
-82.5°	8.1	8.1	8.1	8.3	8.6	9.1	9.7	10.0	10.2	10.4	10.7
-85°	8.1	8.1	8.1	8.2	8.5	8.8	9.2	9.4	9.5	9.7	9.9
-87.5°	8.1	8.1	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	9.0
-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	7.6	7.1	6.6	6.1	6.1	6.1	6.1
87.5°	7.8	7.6	7.4	7.2	7.0	6.7	6.4	6.1	5.6	5.1	4.6
85°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	5.8	5.6	5.5
82.5°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.1	6.1	6.1
80°	8.1	8.1	8.1	8.1	7.7	7.2	6.7	6.2	6.1	6.2	6.2
77.5°	8.1	8.1	8.1	8.1	7.7	7.4	7.2	7.2	7.2	7.0	6.7
75°	8.1	8.1	8.2	8.2	8.0	8.0	8.1	8.1	7.8	7.3	6.8
72.5°	8.4	8.7	8.7	8.4	8.1	8.1	8.1	8.1	8.3	8.5	8.3
70°	9.3	9.4	9.0	8.4	8.1	8.3	9.2	10.3	11.3	11.2	11.1
67.5°	10.1	9.6	9.0	8.7	8.9	9.9	11.2	12.9	14.4	14.4	14.9
65°	10.1	9.6	9.4	9.6	10.1	11.9	13.7	15.5	19.9	22.5	23.8
62.5°	10.2	9.9	10.0	10.7	12.2	14.2	17.0	21.8	28.7	32.3	31.2
60°	10.2	10.1	10.8	12.4	14.1	16.1	20.5	27.3	36.2	42.6	38.8
57.5°	10.2	10.7	12.1	13.7	15.1	16.9	22.8	31.3	41.7	53.0	46.0
55°	10.5	11.6	13.1	14.6	16.1	17.5	23.8	33.4	45.1	52.0	45.3
52.5°	11.3	12.4	13.8	15.4	17.0	18.5	23.2	32.4	39.4	44.7	41.4
50°	12.0	13.2	14.6	16.2	18.0	19.7	20.5	28.1	33.7	36.1	35.9
47.5°	12.7	14.0	15.3	17.2	19.4	20.9	20.8	24.6	28.8	31.4	29.2
45°	13.4	14.8	16.2	18.7	21.1	22.4	23.6	22.8	29.4	31.1	29.9
42.5°	14.1	15.6	18.0	20.3	23.4	26.7	28.6	31.0	34.2	37.4	36.6
40°	14.8	16.4	20.4	25.2	27.4	33.6	39.7	43.3	44.7	47.5	47.6
37.5°	15.5	18.9	25.1	35.2	35.3	44.6	53.2	61.8	64.4	59.7	67.6
35°	16.1	21.7	38.1	50.2	52.2	59.2	73.5	86.6	94.5	90.0	97.3
32.5°	17.9	24.8	54.9	67.6	80.2	86.5	96.8	125.1	152.4	160.7	146.3
30°	21.1	40.2	74.0	86.7	116.4	136.0	142.1	180.3	237.4	287.3	385.7
27.5°	25.1	59.0	91.9	118.8	161.7	196.9	212.3	274.7	372.3	504.0	787.2
25°	29.3	78.8	110.9	159.7	220.9	261.8	287.0	375.1	538.9	959.2	1488.5
22.5°	39.7	99.0	134.9	205.3	287.8	323.3	376.5	496.5	771.4	1470.0	2348.0
20°	55.8	118.1	169.1	250.3	359.4	382.0	458.9	613.0	1089.6	2147.9	3202.8
17.5°	71.7	139.6	206.6	303.4	414.5	460.0	538.9	719.1	1356.6	2997.3	4312.3
15°	87.0	162.9	241.9	357.3	479.0	568.8	689.6	957.8	1866.8	4003.1	5781.2
12.5°	101.7	187.4	274.9	410.9	553.5	684.1	862.4	1347.2	2776.9	5178.0	7832.1
10°	115.3	212.4	305.6	463.2	635.1	803.5	1041.4	1773.1	3696.7	6200.6	9456.0
7.5°	146.8	250.5	339.9	513.2	720.6	924.4	1222.0	2216.3	4526.9	7066.0	10812.9
5°	181.8	301.8	405.4	591.7	810.6	1038.2	1387.6	2655.3	5254.8	7778.8	12035.1
2.5°	216.1	351.5	469.3	669.7	896.9	1137.1	1490.0	3038.0	5825.8	8381.9	13089.8
0°	248.0	398.4	530.5	741.9	975.6	1227.7	1577.3	3372.0	6260.3	8870.1	13921.0
-2.5°	287.0	448.6	598.4	810.6	1002.1	1230.3	1578.7	3248.7	6354.8	9331.4	13609.3
-5°	320.7	494.4	661.3	873.0	1025.7	1226.6	1566.0	3060.3	6302.7	9578.6	13357.9
-7.5°	347.9	535.1	718.1	922.7	1047.4	1239.2	1596.5	3101.8	6215.9	9578.5	13200.3
-10°	363.6	546.8	718.5	920.0	1061.5	1255.2	1617.3	3028.5	5951.0	9380.1	12879.8
-12.5°	349.6	532.3	703.7	908.0	1070.4	1258.5	1610.5	2821.1	5504.4	8975.8	12479.7
-15°	332.9	515.1	682.6	885.9	1073.6	1247.5	1573.0	2465.8	4772.5	8105.0	11997.2
-17.5°	314.4	495.3	655.0	852.8	1070.9	1221.2	1481.5	1903.6	3825.3	6888.2	10890.1
-20°	294.7	473.4	620.8	808.2	1056.3	1160.6	1342.5	1688.7	3018.0	5524.2	9149.3



REPORT NUMBER: P731731 (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°	274.4	449.7	585.1	764.2	970.9	1087.7	1212.5	1461.9	2133.8	3991.0	6898.6
-25°	262.9	419.7	554.1	706.2	883.3	1019.5	1081.9	1238.8	1575.2	2929.8	5036.5
-27.5°	257.6	391.2	515.8	646.4	803.4	948.2	993.9	1095.4	1346.7	1890.0	3402.4
-30°	248.6	352.5	473.7	589.3	733.4	862.5	929.4	993.8	1154.2	1447.9	2285.6
-32.5°	229.0	313.2	428.3	540.1	664.5	789.6	890.4	952.1	1053.1	1206.4	1484.3
-35°	204.7	284.1	382.2	486.9	596.4	722.0	835.7	926.0	974.9	1080.6	1266.6
-37.5°	182.5	252.6	335.9	433.1	535.2	651.6	776.6	875.2	947.0	997.6	1130.9
-40°	159.1	218.8	296.4	382.7	474.7	581.0	696.1	810.6	901.5	977.1	1036.4
-42.5°	135.2	191.6	257.1	333.2	420.2	513.4	612.2	724.5	837.5	935.8	1010.5
-45°	116.6	163.2	217.3	290.0	366.7	448.1	537.7	630.7	751.9	863.4	956.3
-47.5°	97.3	136.0	185.6	246.0	316.4	388.8	464.4	557.4	658.1	768.2	874.4
-50°	79.7	114.3	154.0	208.5	268.7	332.7	399.8	484.9	577.7	671.6	768.7
-52.5°	68.0	91.9	128.6	171.4	224.6	281.7	343.6	416.2	498.5	584.3	670.3
-55°	55.7	76.5	103.7	139.8	181.5	232.7	290.9	354.0	418.6	496.7	574.0
-57.5°	45.0	62.6	84.1	110.9	145.4	183.8	237.8	293.9	353.2	413.7	478.0
-60°	34.9	49.5	67.8	88.5	112.3	146.2	184.8	233.2	286.0	339.0	393.2
-62.5°	25.6	37.4	52.2	69.5	89.2	110.5	141.5	178.1	217.6	261.8	307.2
-65°	21.5	26.7	37.3	51.7	67.5	86.0	106.3	128.0	160.0	191.6	223.0
-67.5°	17.2	21.6	26.6	33.7	47.1	61.8	77.4	95.7	115.0	132.7	153.3
-70°	15.7	16.8	20.4	25.1	30.3	38.3	51.4	65.1	78.9	92.2	107.2
-72.5°	14.7	15.5	16.6	17.9	21.8	26.6	31.9	37.8	46.7	57.3	67.8
-75°	13.7	14.1	14.9	15.8	17.0	18.3	20.1	24.4	29.1	33.6	38.0
-77.5°	12.8	13.2	13.5	13.9	14.3	15.2	16.2	17.3	18.8	20.6	22.7
-80°	11.9	12.2	12.5	12.8	12.8	12.9	13.2	13.5	14.0	14.7	15.7
-82.5°	11.0	11.2	11.4	11.6	11.4	11.1	10.8	10.7	11.0	11.4	11.7
-85°	10.0	10.2	10.3	10.5	10.1	9.8	9.4	9.0	9.1	9.2	9.3
-87.5°	9.1	9.1	9.2	9.3	8.9	8.4	8.0	7.5	7.6	7.6	7.7
-90°	7.6	7.1	6.6	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6



REPORT NUMBER: P731731 (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°	6.1	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1	9.1	10.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1
85°	5.4	5.1	4.8	4.5	4.1	4.1	4.1	4.1	4.1	3.6	3.1
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°	6.1	5.8	5.6	5.4	5.4	5.2	4.9	4.5	4.1	3.6	3.1
77.5°	6.2	6.1	6.1	6.1	6.1	5.7	5.2	4.7	4.2	3.6	3.1
75°	6.3	6.2	6.3	6.3	6.2	5.9	5.8	5.7	5.7	5.4	5.0
72.5°	8.0	7.6	7.5	7.3	7.0	6.9	6.8	6.5	6.2	6.0	6.0
70°	10.9	10.7	10.4	10.1	9.7	9.3	9.0	8.5	7.9	7.7	7.8
67.5°	16.0	16.3	16.1	15.4	13.8	12.4	11.6	10.8	10.0	10.0	10.6
65°	23.4	20.5	18.6	17.0	15.6	14.4	13.7	12.9	12.1	12.3	14.0
62.5°	27.8	21.8	18.6	17.4	16.7	16.1	14.9	14.1	13.7	14.1	15.5
60°	32.4	23.5	17.5	16.4	15.4	14.3	14.2	14.2	14.2	14.4	15.1
57.5°	34.7	24.1	16.2	15.6	15.0	14.4	14.4	14.6	14.5	14.3	14.9
55°	33.9	24.2	16.7	15.9	15.8	16.0	16.0	15.1	14.6	14.2	14.8
52.5°	30.9	23.3	17.9	16.4	16.4	15.6	14.3	15.0	15.9	16.6	17.3
50°	27.5	22.0	19.2	17.8	17.8	17.9	17.9	19.0	20.0	20.7	21.5
47.5°	25.3	22.0	21.9	21.5	22.1	23.2	23.7	24.8	27.9	29.5	30.2
45°	25.5	27.0	28.2	29.2	29.1	34.8	39.0	41.3	43.9	46.4	48.5
42.5°	34.4	38.4	41.9	47.2	50.4	60.0	65.0	58.8	71.7	83.0	85.6
40°	52.7	58.4	70.9	84.8	101.6	108.8	142.7	144.2	158.9	195.6	207.5
37.5°	80.2	96.5	139.9	176.7	235.1	269.9	312.9	354.2	387.4	421.4	444.7
35°	125.0	208.1	273.6	388.3	466.8	506.5	557.6	618.6	644.5	751.7	833.6
32.5°	267.1	416.3	594.1	685.8	788.8	867.5	856.5	1110.3	1208.2	1369.2	1500.3
30°	493.6	850.1	1327.5	1327.5	1309.1	1743.2	1902.1	2229.9	2566.1	2790.0	3325.4
27.5°	1141.1	1897.5	2653.7	2669.0	2996.7	3903.1	4419.4	4574.5	6033.1	6969.7	8247.3
25°	2102.7	3347.8	4391.0	4876.4	5849.4	7326.3	8200.6	9243.2	11420.1	13900.5	15466.5
22.5°	3131.7	4458.5	6026.1	7131.6	8996.5	10896.3	12486.3	14786.8	17712.5	20480.4	22353.1
20°	3906.2	5465.0	7679.1	10001.1	12363.7	14745.4	17215.2	20376.2	24336.7	27707.1	30753.4
17.5°	5485.5	7133.6	10130.1	13288.4	16495.0	19039.5	22939.9	26731.0	31556.2	36447.0	40235.2
15°	7822.4	10479.1	13477.0	17573.9	22083.8	25977.6	30113.2	36766.2	42636.2	48922.2	54538.6
12.5°	10821.2	14342.2	18315.0	23026.6	28937.5	35048.2	41355.5	48377.8	56055.5	63606.1	71621.3
10°	13621.2	18460.3	23589.6	29387.0	36151.2	43868.0	51574.5	59531.2	70200.2	79869.8	88440.8
7.5°	15554.3	21253.7	27549.2	34635.2	42984.3	51191.9	59897.1	70715.7	83179.8	94144.4	102928.1
5°	17290.4	23748.7	30034.7	37198.1	46905.0	56286.4	66572.1	79739.9	93928.4	105952.5	114706.3
2.5°	18801.8	25751.7	31856.3	39072.9	49730.5	59491.2	70723.0	86415.9	102945.0	114989.1	124225.4
0°	20045.2	26827.8	32886.9	40320.0	51588.5	61641.6	73164.2	90615.8	109642.7	121809.6	130687.9
-2.5°	18841.4	24994.4	30975.3	38504.0	49859.7	60155.4	72609.4	90360.7	109033.3	122156.1	131323.2
-5°	17932.2	23551.1	29228.8	36678.5	46666.3	56213.1	67899.5	86155.5	105809.1	119068.6	128344.3
-7.5°	17227.6	22131.3	27293.4	34153.2	43289.9	53413.7	65943.8	83557.9	102129.3	115539.7	123944.4
-10°	16459.4	20672.1	26298.0	33212.1	42097.0	51748.4	62879.9	79173.7	97938.1	110840.9	120684.8
-12.5°	16225.4	20673.6	26340.3	32343.6	40516.2	49784.7	60397.5	74276.4	88659.0	102189.1	110821.7
-15°	15848.0	20362.1	25907.8	31554.2	38963.4	47889.9	56749.3	67006.0	79027.3	88803.7	97821.7
-17.5°	15108.2	19445.9	23613.7	28889.7	36100.9	44376.3	51089.2	59155.4	67828.6	75283.5	82085.7
-20°	13337.1	16287.0	20237.1	25212.5	31392.2	38093.1	44205.2	50024.8	55598.7	61278.0	65212.3



REPORT NUMBER: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10205.3	13038.1	16350.0	20482.8	25381.8	31221.5	36622.8	40564.5	44998.1	49087.6	52449.9
-25°	7463.1	9538.6	12629.8	16156.3	19353.3	24030.6	28175.7	30837.7	34729.4	37786.6	40697.0
-27.5°	5397.0	7429.6	9950.4	12736.9	15134.0	17646.7	21305.8	23847.8	26908.6	29252.9	31680.4
-30°	3683.6	5922.0	8245.2	10524.5	12348.1	14246.5	16274.3	18781.6	21238.8	23208.3	24962.0
-32.5°	2555.0	4176.9	6447.3	8570.9	10219.1	11666.5	12998.9	14903.7	16742.5	18345.5	19660.0
-35°	1565.3	2715.6	4288.0	6310.3	8052.6	9443.5	10672.3	11885.6	13061.9	14268.1	15284.2
-37.5°	1324.3	1598.9	2578.7	3971.1	5630.8	7178.9	8382.6	9384.3	10272.3	11190.2	11912.8
-40°	1170.3	1334.5	1580.5	2089.9	3366.4	4653.3	5951.1	7029.3	8005.8	8819.8	9452.5
-42.5°	1068.7	1178.6	1298.3	1498.1	1734.8	2365.6	3481.7	4569.8	5629.2	6517.4	7262.0
-45°	1037.2	1092.4	1157.1	1264.0	1362.0	1553.9	1761.1	1975.8	2817.9	3711.5	4498.9
-47.5°	965.5	1053.9	1112.6	1158.6	1213.1	1299.9	1379.5	1480.8	1674.3	1866.2	2022.9
-50°	870.4	967.0	1048.1	1126.9	1182.4	1220.4	1249.4	1301.9	1379.0	1453.9	1514.4
-52.5°	755.2	848.8	943.2	1038.9	1117.8	1190.9	1259.6	1307.1	1343.1	1373.7	1389.5
-55°	650.4	728.7	807.6	903.9	999.3	1090.9	1178.8	1253.9	1323.8	1389.1	1426.1
-57.5°	548.1	615.5	685.9	771.8	856.6	939.9	1025.2	1111.7	1196.4	1275.4	1321.1
-60°	450.5	510.4	574.0	643.4	717.0	793.9	867.4	940.7	1013.5	1077.9	1115.7
-62.5°	355.0	405.4	457.2	512.0	570.0	630.6	691.5	753.2	814.7	866.4	898.4
-65°	257.8	298.9	338.5	378.6	419.2	465.1	513.4	560.5	605.9	641.4	664.7
-67.5°	180.3	206.9	231.1	254.7	283.5	316.2	350.9	384.7	417.2	441.7	458.2
-70°	122.4	137.2	150.5	165.9	184.8	204.3	224.7	244.3	262.9	277.1	288.1
-72.5°	78.2	88.0	97.4	108.1	118.2	129.4	141.1	152.3	162.7	170.0	175.8
-75°	42.2	47.5	55.2	62.5	69.3	77.4	85.7	93.6	100.9	104.8	107.3
-77.5°	25.9	29.4	32.7	35.9	38.9	43.3	48.2	53.1	58.0	60.2	61.8
-80°	16.9	18.6	20.3	22.0	23.8	26.4	29.1	31.8	34.5	35.3	35.8
-82.5°	12.0	12.6	13.2	13.8	14.5	16.2	18.0	19.7	21.5	22.7	23.9
-85°	9.4	9.5	9.6	9.7	9.8	10.7	11.7	12.7	13.8	14.4	15.1
-87.5°	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.6	9.2
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1



REPORT NUMBER: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.2	12.2	11.2	10.2	11.2	12.2	11.2	10.1	9.1	8.1	7.6
87.5°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.1	3.6	4.1	4.1
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
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°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.5
77.5°	2.6	2.0	3.0	4.1	3.0	2.0	2.6	3.1	3.6	4.2	4.7
75°	4.5	4.1	4.1	4.1	4.1	4.1	4.5	5.0	5.4	5.7	5.7
72.5°	6.0	6.0	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.2	6.5
70°	8.0	8.0	8.1	8.1	8.1	8.0	8.0	7.8	7.7	7.9	8.5
67.5°	11.3	12.0	12.2	12.2	12.2	12.0	11.3	10.6	10.0	10.0	10.8
65°	15.9	17.7	17.4	16.3	17.4	17.7	15.9	14.0	12.3	12.1	12.9
62.5°	16.8	18.0	18.3	18.3	18.3	18.0	16.8	15.5	14.1	13.7	14.1
60°	15.7	16.2	16.3	16.3	16.3	16.2	15.7	15.1	14.4	14.2	14.2
57.5°	15.5	16.1	16.3	16.3	16.3	16.1	15.5	14.9	14.3	14.5	14.6
55°	15.4	16.1	16.3	16.3	16.3	16.1	15.4	14.8	14.2	14.6	15.1
52.5°	17.9	18.1	18.3	18.3	18.3	18.1	17.9	17.3	16.6	15.9	15.0
50°	22.6	23.7	22.9	20.3	22.9	23.7	22.6	21.5	20.7	20.0	19.0
47.5°	30.1	29.1	28.4	28.5	28.4	29.1	30.1	30.2	29.5	27.9	24.8
45°	49.1	48.7	48.4	48.8	48.4	48.7	49.1	48.5	46.4	43.9	41.3
42.5°	88.6	88.8	87.4	85.4	87.4	88.8	88.6	85.6	83.0	71.7	58.8
40°	206.9	189.6	166.2	152.4	166.2	189.6	206.9	207.5	195.6	158.9	144.2
37.5°	466.0	479.5	480.8	471.6	480.8	479.5	466.0	444.7	421.4	387.4	354.2
35°	885.3	917.0	918.8	902.5	918.8	917.0	885.3	833.6	751.7	644.5	618.6
32.5°	1498.2	1569.5	1596.3	1589.5	1596.3	1569.5	1498.2	1500.3	1369.2	1208.2	1110.3
30°	3076.4	3097.8	2878.8	2477.7	2878.8	3097.8	3076.4	3325.4	2790.0	2566.1	2229.9
27.5°	8940.5	9765.6	10064.9	9933.1	10064.9	9765.6	8940.5	8247.3	6969.7	6033.1	4574.5
25°	15916.1	16459.8	17002.5	17065.4	17002.5	16459.8	15916.1	15466.5	13900.5	11420.1	9243.2
22.5°	23650.1	24422.7	25156.1	24988.4	25156.1	24422.7	23650.1	22353.1	20480.4	17712.5	14786.8
20°	32688.2	33221.1	33762.2	33163.3	33762.2	33221.1	32688.2	30753.4	27707.1	24336.7	20376.2
17.5°	44203.2	46712.1	48939.4	47932.0	48939.4	46712.1	44203.2	40235.2	36447.0	31556.2	26731.0
15°	59826.8	64193.6	66754.9	66619.4	66754.9	64193.6	59826.8	54538.6	48922.2	42636.2	36766.2
12.5°	77830.7	82394.3	85008.0	84467.3	85008.0	82394.3	77830.7	71621.3	63606.1	56055.5	48377.8
10°	94074.4	97657.8	100763.4	101979.9	100763.4	97657.8	94074.4	88440.8	79869.8	70200.2	59531.2
7.5°	108421.4	111091.5	113681.8	114144.8	113681.8	111091.5	108421.4	102928.1	94144.4	83179.8	70715.7
5°	120232.1	124014.7	125479.1	126059.7	125479.1	124014.7	120232.1	114706.3	105952.5	93928.4	79739.9
2.5°	129764.0	133224.2	135055.9	134515.2	135055.9	133224.2	129764.0	124225.4	114989.1	102945.0	86415.9
0°	135239.8	137978.7	139474.6	139116.9	139474.6	137978.7	135239.8	130687.9	121809.6	109642.7	90615.8
-2.5°	135779.5	137621.2	138791.3	138332.3	138791.3	137621.2	135779.5	131323.2	122156.1	109033.3	90360.7
-5°	132045.4	133544.1	134158.9	134421.7	134158.9	133544.1	132045.4	128344.3	119068.6	105809.1	86155.5
-7.5°	126900.2	128913.5	128607.3	129137.0	128607.3	128913.5	126900.2	123944.4	115539.7	102129.3	83557.9
-10°	123835.8	125693.9	125424.9	125567.8	125424.9	125693.9	123835.8	120684.8	110840.9	97938.1	79173.7
-12.5°	116400.6	119098.3	119512.4	119977.2	119512.4	119098.3	116400.6	110821.7	102189.1	88659.0	74276.4
-15°	103740.8	106705.0	108497.4	108900.8	108497.4	106705.0	103740.8	97821.7	88803.7	79027.3	67006.0
-17.5°	87740.9	91840.4	94722.5	95392.4	94722.5	91840.4	87740.9	82085.7	75283.5	67828.6	59155.4
-20°	70017.0	72951.5	74444.7	75249.6	74444.7	72951.5	70017.0	65212.3	61278.0	55598.7	50024.8



REPORT NUMBER: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	55109.7	57047.6	57879.6	58015.5	57879.6	57047.6	55109.7	52449.9	49087.6	44998.1	40564.5
-25°	43053.9	44374.8	44941.0	45777.4	44941.0	44374.8	43053.9	40697.0	37786.6	34729.4	30837.7
-27.5°	33411.3	34572.8	35090.7	35860.6	35090.7	34572.8	33411.3	31680.4	29252.9	26908.6	23847.8
-30°	26144.9	26844.6	27019.3	27057.5	27019.3	26844.6	26144.9	24962.0	23208.3	21238.8	18781.6
-32.5°	20680.7	21468.7	21939.2	22148.9	21939.2	21468.7	20680.7	19660.0	18345.5	16742.5	14903.7
-35°	16045.2	16564.6	16873.8	17221.9	16873.8	16564.6	16045.2	15284.2	14268.1	13061.9	11885.6
-37.5°	12474.7	12859.8	13072.9	13144.6	13072.9	12859.8	12474.7	11912.8	11190.2	10272.3	9384.3
-40°	9957.2	10339.7	10569.3	10603.9	10569.3	10339.7	9957.2	9452.5	8819.8	8005.8	7029.3
-42.5°	7827.7	8304.3	8612.5	8683.1	8612.5	8304.3	7827.7	7262.0	6517.4	5629.2	4569.8
-45°	5074.7	5518.2	5752.9	5737.9	5752.9	5518.2	5074.7	4498.9	3711.5	2817.9	1975.8
-47.5°	2123.2	2194.6	2225.4	2215.5	2225.4	2194.6	2123.2	2022.9	1866.2	1674.3	1480.8
-50°	1562.2	1602.8	1625.0	1630.1	1625.0	1602.8	1562.2	1514.4	1453.9	1379.0	1301.9
-52.5°	1402.9	1417.8	1423.0	1422.8	1423.0	1417.8	1402.9	1389.5	1373.7	1343.1	1307.1
-55°	1460.5	1493.2	1506.0	1506.1	1506.0	1493.2	1460.5	1426.1	1389.1	1323.8	1253.9
-57.5°	1362.7	1399.5	1416.4	1420.8	1416.4	1399.5	1362.7	1321.1	1275.4	1196.4	1111.7
-60°	1149.7	1179.2	1192.1	1195.1	1192.1	1179.2	1149.7	1115.7	1077.9	1013.5	940.7
-62.5°	925.7	948.1	955.0	953.3	955.0	948.1	925.7	898.4	866.4	814.7	753.2
-65°	684.1	699.6	700.8	695.1	700.8	699.6	684.1	664.7	641.4	605.9	560.5
-67.5°	471.3	481.1	481.6	477.7	481.6	481.1	471.3	458.2	441.7	417.2	384.7
-70°	297.3	304.7	305.2	302.9	305.2	304.7	297.3	288.1	277.1	262.9	244.3
-72.5°	180.7	184.8	188.4	191.1	188.4	184.8	180.7	175.8	170.0	162.7	152.3
-75°	109.3	110.7	110.6	109.8	110.6	110.7	109.3	107.3	104.8	100.9	93.6
-77.5°	63.3	64.4	66.9	69.1	66.9	64.4	63.3	61.8	60.2	58.0	53.1
-80°	36.2	36.4	37.5	38.6	37.5	36.4	36.2	35.8	35.3	34.5	31.8
-82.5°	25.1	26.3	26.4	26.4	26.4	26.3	25.1	23.9	22.7	21.5	19.7
-85°	15.7	16.2	17.3	18.3	17.3	16.2	15.7	15.1	14.4	13.8	12.7
-87.5°	9.7	10.2	10.2	10.2	10.2	10.2	9.7	9.2	8.6	8.1	8.1
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.1	3.6	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.1	6.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6	6.1
85°	4.1	4.1	4.1	4.5	4.8	5.1	5.4	5.5	5.6	5.8	6.1
82.5°	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
80°	4.9	5.2	5.4	5.4	5.6	5.8	6.1	6.2	6.2	6.1	6.2
77.5°	5.2	5.7	6.1	6.1	6.1	6.1	6.2	6.7	7.0	7.2	7.2
75°	5.8	5.9	6.2	6.3	6.3	6.2	6.3	6.8	7.3	7.8	8.1
72.5°	6.8	6.9	7.0	7.3	7.5	7.6	8.0	8.3	8.5	8.3	8.1
70°	9.0	9.3	9.7	10.1	10.4	10.7	10.9	11.1	11.2	11.3	10.3
67.5°	11.6	12.4	13.8	15.4	16.1	16.3	16.0	14.9	14.4	14.4	12.9
65°	13.7	14.4	15.6	17.0	18.6	20.5	23.4	23.8	22.5	19.9	15.5
62.5°	14.9	16.1	16.7	17.4	18.6	21.8	27.8	31.2	32.3	28.7	21.8
60°	14.2	14.3	15.4	16.4	17.5	23.5	32.4	38.8	42.6	36.2	27.3
57.5°	14.4	14.4	15.0	15.6	16.2	24.1	34.7	46.0	53.0	41.7	31.3
55°	16.0	16.0	15.8	15.9	16.7	24.2	33.9	45.3	52.0	45.1	33.4
52.5°	14.3	15.6	16.4	16.4	17.9	23.3	30.9	41.4	44.7	39.4	32.4
50°	17.9	17.9	17.8	17.8	19.2	22.0	27.5	35.9	36.1	33.7	28.1
47.5°	23.7	23.2	22.1	21.5	21.9	22.0	25.3	29.2	31.4	28.8	24.6
45°	39.0	34.8	29.1	29.2	28.2	27.0	25.5	29.9	31.1	29.4	22.8
42.5°	65.0	60.0	50.4	47.2	41.9	38.4	34.4	36.6	37.4	34.2	31.0
40°	142.7	108.8	101.6	84.8	70.9	58.4	52.7	47.6	47.5	44.7	43.3
37.5°	312.9	269.9	235.1	176.7	139.9	96.5	80.2	67.6	59.7	64.4	61.8
35°	557.6	506.5	466.8	388.3	273.6	208.1	125.0	97.3	90.0	94.5	86.6
32.5°	856.5	867.5	788.8	685.8	594.1	416.3	267.1	146.3	160.7	152.4	125.1
30°	1902.1	1743.2	1309.1	1327.5	1327.5	850.1	493.6	385.7	287.3	237.4	180.3
27.5°	4419.4	3903.1	2996.7	2669.0	2653.7	1897.5	1141.1	787.2	504.0	372.3	274.7
25°	8200.6	7326.3	5849.4	4876.4	4391.0	3347.8	2102.7	1488.5	959.2	538.9	375.1
22.5°	12486.3	10896.3	8996.5	7131.6	6026.1	4458.5	3131.7	2348.0	1470.0	771.4	496.5
20°	17215.2	14745.4	12363.7	10001.1	7679.1	5465.0	3906.2	3202.8	2147.9	1089.6	613.0
17.5°	22939.9	19039.5	16495.0	13288.4	10130.1	7133.6	5485.5	4312.3	2997.3	1356.6	719.1
15°	30113.2	25977.6	22083.8	17573.9	13477.0	10479.1	7822.4	5781.2	4003.1	1866.8	957.8
12.5°	41355.5	35048.2	28937.5	23026.6	18315.0	14342.2	10821.2	7832.1	5178.0	2776.9	1347.2
10°	51574.5	43868.0	36151.2	29387.0	23589.6	18460.3	13621.2	9456.0	6200.6	3696.7	1773.1
7.5°	59897.1	51191.9	42984.3	34635.2	27549.2	21253.7	15554.3	10812.9	7066.0	4526.9	2216.3
5°	66572.1	56286.4	46905.0	37198.1	30034.7	23748.7	17290.4	12035.1	7778.8	5254.8	2655.3
2.5°	70723.0	59491.2	49730.5	39072.9	31856.3	25751.7	18801.8	13089.8	8381.9	5825.8	3038.0
0°	73164.2	61641.6	51588.5	40320.0	32886.9	26827.8	20045.2	13921.0	8870.1	6260.3	3372.0
-2.5°	72609.4	60155.4	49859.7	38504.0	30975.3	24994.4	18841.4	13609.3	9331.4	6354.8	3248.7
-5°	67899.5	56213.1	46666.3	36678.5	29228.8	23551.1	17932.2	13357.9	9578.6	6302.7	3060.3
-7.5°	65943.8	53413.7	43289.9	34153.2	27293.4	22131.3	17227.6	13200.3	9578.5	6215.9	3101.8
-10°	62879.9	51748.4	42097.0	33212.1	26298.0	20672.1	16459.4	12879.8	9380.1	5951.0	3028.5
-12.5°	60397.5	49784.7	40516.2	32343.6	26340.3	20673.6	16225.4	12479.7	8975.8	5504.4	2821.1
-15°	56749.3	47889.9	38963.4	31554.2	25907.8	20362.1	15848.0	11997.2	8105.0	4772.5	2465.8
-17.5°	51089.2	44376.3	36100.9	28889.7	23613.7	19445.9	15108.2	10890.1	6888.2	3825.3	1903.6
-20°	44205.2	38093.1	31392.2	25212.5	20237.1	16287.0	13337.1	9149.3	5524.2	3018.0	1688.7



REPORT NUMBER: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	36622.8	31221.5	25381.8	20482.8	16350.0	13038.1	10205.3	6898.6	3991.0	2133.8	1461.9
-25°	28175.7	24030.6	19353.3	16156.3	12629.8	9538.6	7463.1	5036.5	2929.8	1575.2	1238.8
-27.5°	21305.8	17646.7	15134.0	12736.9	9950.4	7429.6	5397.0	3402.4	1890.0	1346.7	1095.4
-30°	16274.3	14246.5	12348.1	10524.5	8245.2	5922.0	3683.6	2285.6	1447.9	1154.2	993.8
-32.5°	12998.9	11666.5	10219.1	8570.9	6447.3	4176.9	2555.0	1484.3	1206.4	1053.1	952.1
-35°	10672.3	9443.5	8052.6	6310.3	4288.0	2715.6	1565.3	1266.6	1080.6	974.9	926.0
-37.5°	8382.6	7178.9	5630.8	3971.1	2578.7	1598.9	1324.3	1130.9	997.6	947.0	875.2
-40°	5951.1	4653.3	3366.4	2089.9	1580.5	1334.5	1170.3	1036.4	977.1	901.5	810.6
-42.5°	3481.7	2365.6	1734.8	1498.1	1298.3	1178.6	1068.7	1010.5	935.8	837.5	724.5
-45°	1761.1	1553.9	1362.0	1264.0	1157.1	1092.4	1037.2	956.3	863.4	751.9	630.7
-47.5°	1379.5	1299.9	1213.1	1158.6	1112.6	1053.9	965.5	874.4	768.2	658.1	557.4
-50°	1249.4	1220.4	1182.4	1126.9	1048.1	967.0	870.4	768.7	671.6	577.7	484.9
-52.5°	1259.6	1190.9	1117.8	1038.9	943.2	848.8	755.2	670.3	584.3	498.5	416.2
-55°	1178.8	1090.9	999.3	903.9	807.6	728.7	650.4	574.0	496.7	418.6	354.0
-57.5°	1025.2	939.9	856.6	771.8	685.9	615.5	548.1	478.0	413.7	353.2	293.9
-60°	867.4	793.9	717.0	643.4	574.0	510.4	450.5	393.2	339.0	286.0	233.2
-62.5°	691.5	630.6	570.0	512.0	457.2	405.4	355.0	307.2	261.8	217.6	178.1
-65°	513.4	465.1	419.2	378.6	338.5	298.9	257.8	223.0	191.6	160.0	128.0
-67.5°	350.9	316.2	283.5	254.7	231.1	206.9	180.3	153.3	132.7	115.0	95.7
-70°	224.7	204.3	184.8	165.9	150.5	137.2	122.4	107.2	92.2	78.9	65.1
-72.5°	141.1	129.4	118.2	108.1	97.4	88.0	78.2	67.8	57.3	46.7	37.8
-75°	85.7	77.4	69.3	62.5	55.2	47.5	42.2	38.0	33.6	29.1	24.4
-77.5°	48.2	43.3	38.9	35.9	32.7	29.4	25.9	22.7	20.6	18.8	17.3
-80°	29.1	26.4	23.8	22.0	20.3	18.6	16.9	15.7	14.7	14.0	13.5
-82.5°	18.0	16.2	14.5	13.8	13.2	12.6	12.0	11.7	11.4	11.0	10.7
-85°	11.7	10.7	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0
-87.5°	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6	6.1



REPORT NUMBER: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.6	7.1	7.6	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°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	6.7	7.2	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	7.2	7.4	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.0	8.0	8.2	8.2	8.1	8.1	8.2	8.3	8.1	8.1
72.5°	8.1	8.1	8.1	8.4	8.7	8.7	8.4	8.3	8.6	8.5	8.2
70°	9.2	8.3	8.1	8.4	9.0	9.4	9.3	9.0	8.9	9.0	8.7
67.5°	11.2	9.9	8.9	8.7	9.0	9.6	10.1	9.7	9.4	9.5	9.3
65°	13.7	11.9	10.1	9.6	9.4	9.6	10.1	10.2	9.9	9.7	9.8
62.5°	17.0	14.2	12.2	10.7	10.0	9.9	10.2	10.2	10.2	10.0	10.1
60°	20.5	16.1	14.1	12.4	10.8	10.1	10.2	10.2	10.2	10.2	10.2
57.5°	22.8	16.9	15.1	13.7	12.1	10.7	10.2	10.2	10.2	10.2	10.2
55°	23.8	17.5	16.1	14.6	13.1	11.6	10.5	10.2	10.2	10.2	10.2
52.5°	23.2	18.5	17.0	15.4	13.8	12.4	11.3	10.2	10.2	10.2	10.2
50°	20.5	19.7	18.0	16.2	14.6	13.2	12.0	10.8	10.2	10.2	10.2
47.5°	20.8	20.9	19.4	17.2	15.3	14.0	12.7	11.5	10.2	10.2	10.2
45°	23.6	22.4	21.1	18.7	16.2	14.8	13.4	12.1	10.8	10.3	10.2
42.5°	28.6	26.7	23.4	20.3	18.0	15.6	14.1	12.7	11.3	10.4	10.3
40°	39.7	33.6	27.4	25.2	20.4	16.4	14.8	13.3	11.9	10.7	10.4
37.5°	53.2	44.6	35.3	35.2	25.1	18.9	15.5	13.9	12.5	11.3	10.6
35°	73.5	59.2	52.2	50.2	38.1	21.7	16.1	14.4	13.2	11.9	10.9
32.5°	96.8	86.5	80.2	67.6	54.9	24.8	17.9	15.5	14.0	12.4	11.1
30°	142.1	136.0	116.4	86.7	74.0	40.2	21.1	16.6	14.9	12.9	11.5
27.5°	212.3	196.9	161.7	118.8	91.9	59.0	25.1	18.0	15.7	13.5	11.9
25°	287.0	261.8	220.9	159.7	110.9	78.8	29.3	19.5	16.8	14.2	12.3
22.5°	376.5	323.3	287.8	205.3	134.9	99.0	39.7	23.0	17.9	14.9	12.7
20°	458.9	382.0	359.4	250.3	169.1	118.1	55.8	26.5	19.1	15.6	13.1
17.5°	538.9	460.0	414.5	303.4	206.6	139.6	71.7	30.0	20.4	16.3	13.4
15°	689.6	568.8	479.0	357.3	241.9	162.9	87.0	33.6	21.7	17.0	13.7
12.5°	862.4	684.1	553.5	410.9	274.9	187.4	101.7	37.0	22.9	17.6	13.9
10°	1041.4	803.5	635.1	463.2	305.6	212.4	115.3	41.6	24.8	18.3	14.0
7.5°	1222.0	924.4	720.6	513.2	339.9	250.5	146.8	49.1	26.8	18.9	14.1
5°	1387.6	1038.2	810.6	591.7	405.4	301.8	181.8	56.7	28.8	19.4	14.1
2.5°	1490.0	1137.1	896.9	669.7	469.3	351.5	216.1	64.1	30.7	19.9	14.2
0°	1577.3	1227.7	975.6	741.9	530.5	398.4	248.0	71.1	32.5	20.3	14.2
-2.5°	1578.7	1230.3	1002.1	810.6	598.4	448.6	287.0	92.0	44.6	25.8	16.1
-5°	1566.0	1226.6	1025.7	873.0	661.3	494.4	320.7	111.5	56.0	31.0	17.9
-7.5°	1596.5	1239.2	1047.4	922.7	718.1	535.1	347.9	129.2	66.6	35.7	19.6
-10°	1617.3	1255.2	1061.5	920.0	718.5	546.8	363.6	144.7	75.9	39.9	21.2
-12.5°	1610.5	1258.5	1070.4	908.0	703.7	532.3	349.6	155.4	83.7	43.3	22.6
-15°	1573.0	1247.5	1073.6	885.9	682.6	515.1	332.9	162.8	90.4	46.6	23.7
-17.5°	1481.5	1221.2	1070.9	852.8	655.0	495.3	314.4	167.7	95.3	49.9	25.3
-20°	1342.5	1160.6	1056.3	808.2	620.8	473.4	294.7	169.9	98.3	52.0	27.2



REPORT NUMBER: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1212.5	1087.7	970.9	764.2	585.1	449.7	274.4	169.4	99.2	52.8	28.5
-25°	1081.9	1019.5	883.3	706.2	554.1	419.7	262.9	166.0	97.9	52.3	29.2
-27.5°	993.9	948.2	803.4	646.4	515.8	391.2	257.6	164.0	95.4	50.2	29.2
-30°	929.4	862.5	733.4	589.3	473.7	352.5	248.6	159.2	93.0	49.1	28.6
-32.5°	890.4	789.6	664.5	540.1	428.3	313.2	229.0	151.2	88.5	48.4	28.1
-35°	835.7	722.0	596.4	486.9	382.2	284.1	204.7	139.9	81.9	46.7	27.4
-37.5°	776.6	651.6	535.2	433.1	335.9	252.6	182.5	123.5	73.1	44.0	26.1
-40°	696.1	581.0	474.7	382.7	296.4	218.8	159.1	108.1	67.3	40.2	24.3
-42.5°	612.2	513.4	420.2	333.2	257.1	191.6	135.2	92.0	60.4	36.9	21.9
-45°	537.7	448.1	366.7	290.0	217.3	163.2	116.6	76.4	52.7	33.5	19.8
-47.5°	464.4	388.8	316.4	246.0	185.6	136.0	97.3	67.1	44.6	29.4	18.5
-50°	399.8	332.7	268.7	208.5	154.0	114.3	79.7	57.3	38.7	24.3	17.1
-52.5°	343.6	281.7	224.6	171.4	128.6	91.9	68.0	47.2	32.3	21.2	15.5
-55°	290.9	232.7	181.5	139.8	103.7	76.5	55.7	39.4	25.5	19.0	13.9
-57.5°	237.8	183.8	145.4	110.9	84.1	62.6	45.0	31.0	21.8	16.7	13.6
-60°	184.8	146.2	112.3	88.5	67.8	49.5	34.9	24.0	18.9	14.6	13.2
-62.5°	141.5	110.5	89.2	69.5	52.2	37.4	25.6	20.6	15.9	14.1	12.7
-65°	106.3	86.0	67.5	51.7	37.3	26.7	21.5	17.0	14.8	13.5	12.2
-67.5°	77.4	61.8	47.1	33.7	26.6	21.6	17.2	15.4	14.1	12.9	11.7
-70°	51.4	38.3	30.3	25.1	20.4	16.8	15.7	14.6	13.5	12.4	11.2
-72.5°	31.9	26.6	21.8	17.9	16.6	15.5	14.7	13.8	12.8	11.8	10.7
-75°	20.1	18.3	17.0	15.8	14.9	14.1	13.7	13.1	12.1	11.1	10.5
-77.5°	16.2	15.2	14.3	13.9	13.5	13.2	12.8	12.3	11.5	10.8	10.4
-80°	13.2	12.9	12.8	12.8	12.5	12.2	11.9	11.5	11.0	10.5	10.3
-82.5°	10.8	11.1	11.4	11.6	11.4	11.2	11.0	10.7	10.4	10.2	10.0
-85°	9.4	9.8	10.1	10.5	10.3	10.2	10.0	9.9	9.7	9.5	9.4
-87.5°	8.0	8.4	8.9	9.3	9.2	9.1	9.1	9.0	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: P731731 (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°	8.2	8.1	8.1	8.1	8.1	8.1	8.1
67.5°	8.7	8.1	8.1	8.1	8.1	8.1	8.1
65°	9.2	8.3	8.1	8.1	8.1	8.1	8.1
62.5°	9.7	8.7	8.1	8.1	8.1	8.1	8.1
60°	10.1	9.1	8.1	8.1	8.1	8.1	8.1
57.5°	10.2	9.5	8.4	8.1	8.1	8.1	8.1
55°	10.2	9.9	8.7	8.1	8.1	8.1	8.1
52.5°	10.2	10.2	9.0	8.1	8.1	8.1	8.1
50°	10.2	10.2	9.3	8.1	8.1	8.1	8.1
47.5°	10.2	10.2	9.6	8.1	8.1	8.1	8.1
45°	10.2	10.2	9.8	8.3	8.1	8.1	8.1
42.5°	10.2	10.2	10.1	8.5	8.1	8.1	8.1
40°	10.2	10.2	10.2	8.7	8.1	8.1	8.1
37.5°	10.2	10.2	10.2	8.8	8.1	8.1	8.1
35°	10.2	10.2	10.2	8.9	8.1	8.1	8.1
32.5°	10.3	10.2	10.2	9.0	8.1	8.1	8.1
30°	10.5	10.2	10.2	9.0	8.1	8.1	8.1
27.5°	10.7	10.2	10.1	9.1	8.1	8.1	8.1
25°	10.9	10.2	10.1	9.1	8.1	8.1	8.1
22.5°	11.2	10.2	10.1	9.0	8.1	8.1	8.1
20°	11.4	10.2	10.0	9.0	8.1	8.1	8.1
17.5°	11.6	10.2	10.0	8.9	8.1	8.1	8.1
15°	11.8	10.2	10.1	8.8	8.1	8.1	8.1
12.5°	11.9	10.2	10.1	8.7	8.1	8.1	8.1
10°	12.0	10.2	10.1	8.6	8.1	8.1	8.1
7.5°	12.1	10.2	10.1	8.5	8.1	8.1	8.1
5°	12.2	10.2	10.2	8.4	8.1	8.1	8.1
2.5°	12.2	10.2	10.2	8.2	8.1	8.1	8.1
0°	12.2	10.2	10.2	8.1	8.1	8.1	8.1
-2.5°	13.0	10.6	10.2	8.2	8.1	8.1	8.1
-5°	13.8	11.1	10.2	8.4	8.1	8.1	8.1
-7.5°	14.5	11.5	10.1	8.5	8.1	8.1	8.1
-10°	15.2	11.8	10.1	8.6	8.1	8.1	8.1
-12.5°	15.8	12.1	10.1	8.7	8.1	8.1	8.1
-15°	16.3	12.4	10.1	8.8	8.1	8.1	8.1
-17.5°	16.7	12.5	10.0	8.9	8.1	8.1	8.1
-20°	17.2	12.6	10.0	9.0	8.1	8.1	8.1



REPORT NUMBER: P731731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.8	12.6	10.1	9.0	8.1	8.1	8.1
-25°	18.2	12.5	10.1	9.1	8.1	8.1	8.1
-27.5°	18.2	12.4	10.1	9.1	8.1	8.1	8.1
-30°	17.9	12.2	10.2	9.0	8.1	8.1	8.1
-32.5°	17.2	11.9	10.3	9.0	8.1	8.1	8.1
-35°	16.7	11.5	10.4	8.9	8.1	8.1	8.1
-37.5°	16.2	11.3	10.5	8.8	8.1	8.1	8.1
-40°	15.6	11.3	10.5	8.7	8.1	8.1	8.1
-42.5°	14.8	11.4	10.4	8.6	8.1	8.1	8.1
-45°	13.9	11.4	10.2	8.4	8.1	8.1	8.1
-47.5°	12.9	11.4	10.0	8.3	8.1	8.1	8.1
-50°	12.6	11.3	9.8	8.3	8.1	8.1	8.1
-52.5°	12.5	11.2	9.6	8.3	8.1	8.1	8.1
-55°	12.3	11.0	9.4	8.3	8.1	8.1	8.1
-57.5°	12.1	10.6	9.1	8.4	8.1	8.1	8.1
-60°	11.8	10.3	8.9	8.4	8.1	8.1	8.1
-62.5°	11.4	10.0	8.9	8.4	8.1	8.1	8.1
-65°	10.9	9.6	9.0	8.5	8.1	8.1	8.1
-67.5°	10.5	9.5	9.0	8.5	8.1	8.1	8.1
-70°	10.1	9.5	9.0	8.5	8.1	8.1	8.1
-72.5°	10.1	9.6	9.1	8.5	8.1	8.1	8.1
-75°	10.1	9.6	9.1	8.5	8.1	8.1	8.1
-77.5°	10.1	9.6	9.0	8.4	8.1	8.1	8.1
-80°	10.2	9.4	8.8	8.4	8.1	8.1	8.1
-82.5°	9.7	9.1	8.6	8.3	8.1	8.1	8.1
-85°	9.2	8.8	8.5	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

