

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: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-4S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-4S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

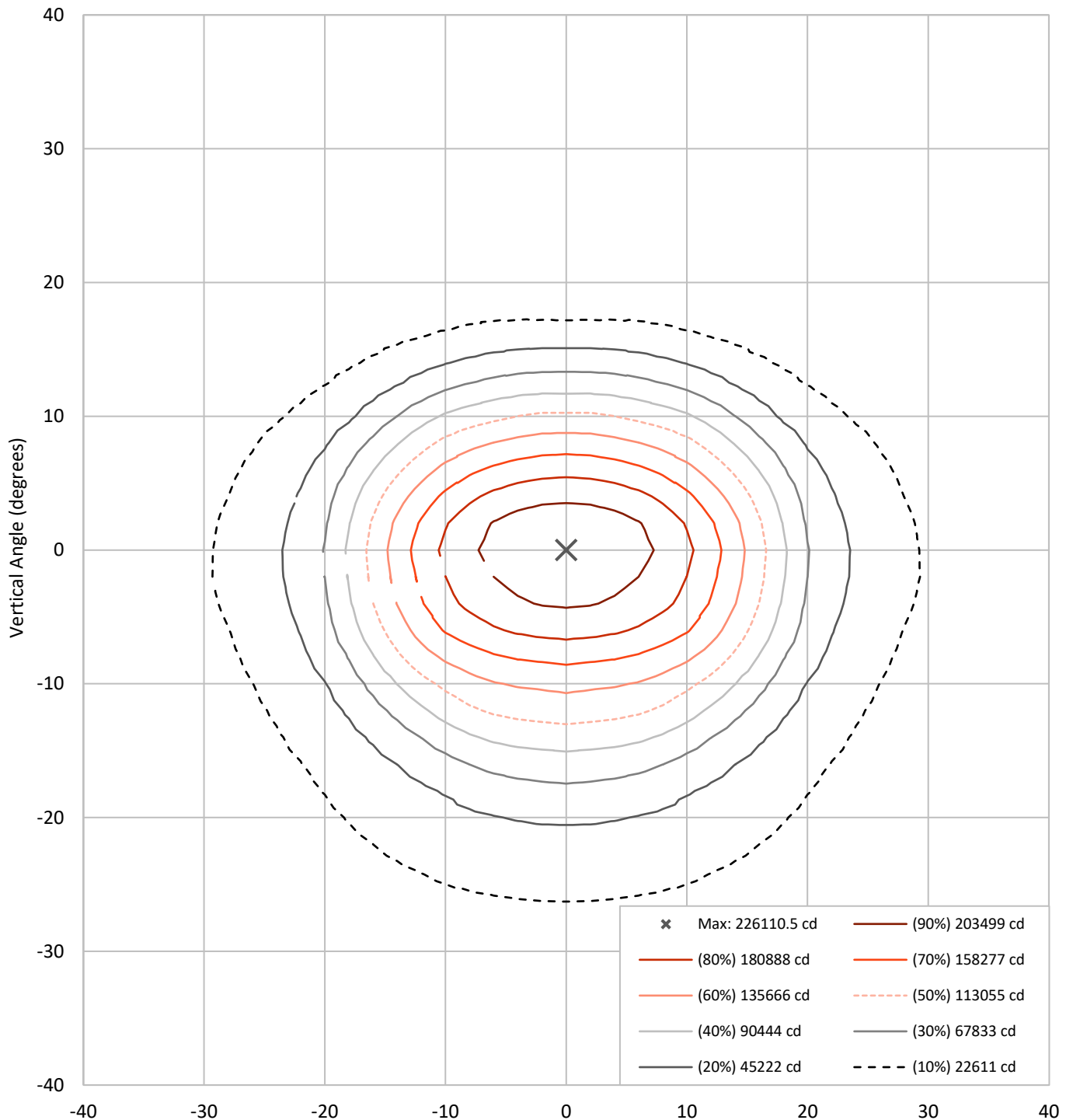
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	59689.2 lumens	Max Intensity:	226110.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	85.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	30200.8 lumens	Field Lumens:	51476.8 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

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

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Iso-Candela Plot





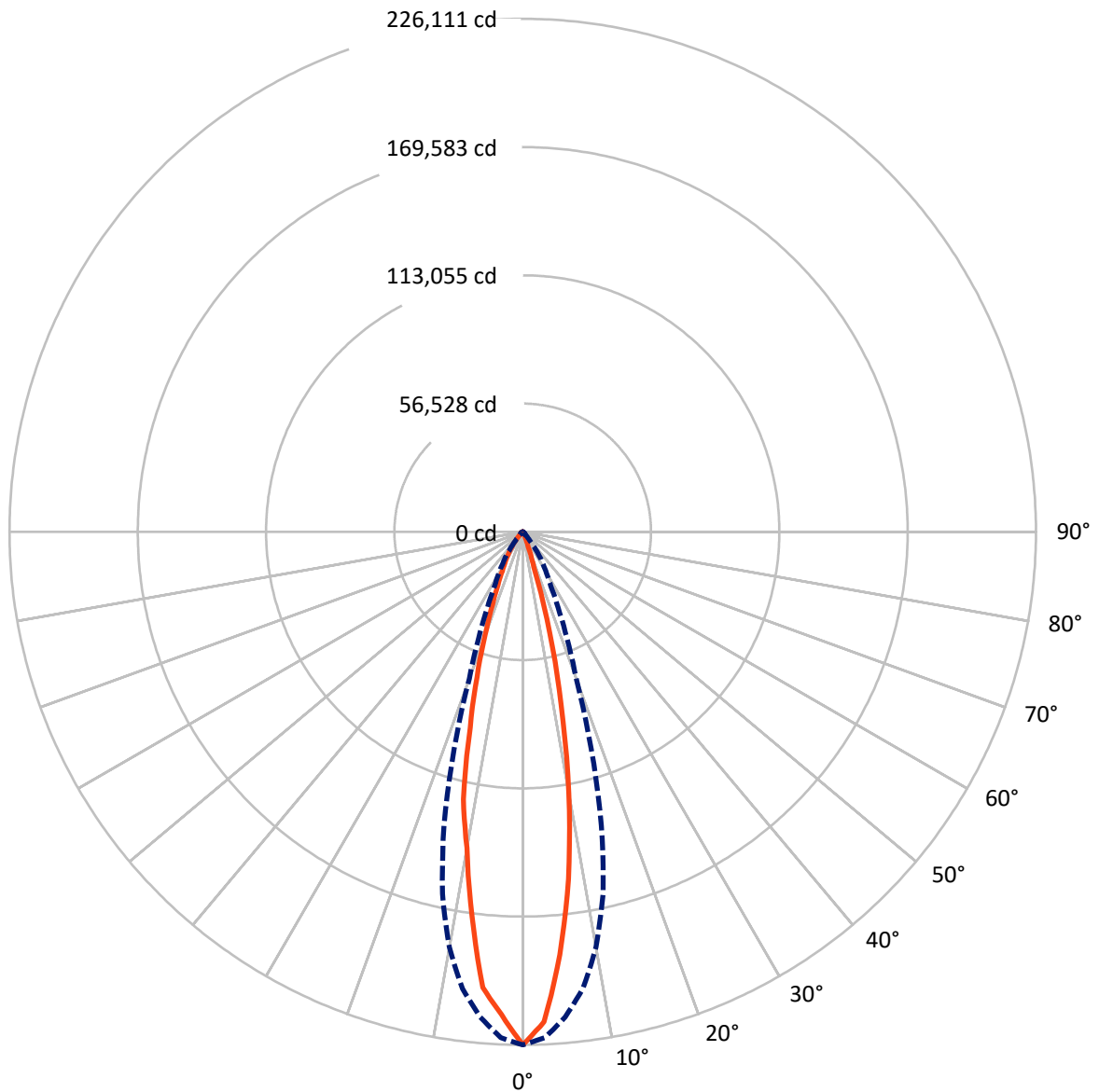
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Lumen Table

90	0.2		0.5		0.8		0.8		0.6		0.8		0.8		0.5		0.2	
80	0.2		0.1		0.2		0.5		0.7		0.5		0.2		0.1		0.2	
70	0.2		0.1		0.3		0.9		0.8		0.3		0.2		0.1		0.2	
60	0.2		0.2		0.4		0.5		0.4		0.5		0.4		0.5		0.2	
50	0.2		0.2		0.6		0.9		1.3		2.6		4.6		6.8		6.8	
40	0.2		0.4		1.6		3.3		9.0		24.9		51.6		85.7		85.7	
30	0.3		1.0		5.1		13.5		80.6		251.7		766.8		1433.4		1433.4	
20	0.3		1.9		10.3		34.0		250.0		880.9		3049.7		5189.7		5189.7	
10	0.4		2.6		12.8		40.8		278.6		971.9		3359.1		5514.2		5514.2	
0	0.4		2.8		11.3		28.6		165.1		535.7		1486.5		2612.5		2612.5	
-10	0.5		2.6		9.5		19.2		69.0		267.8		551.8		803.6		803.6	
-20	0.5		2.2		8.0		14.9		28.0		83.4		189.3		268.6		268.6	
-30	0.4		1.4		5.7		12.3		20.0		29.8		43.1		56.6		56.6	
-40	0.4		0.7		3.0		7.8		14.1		19.6		24.1		27.0		27.0	
-50	0.3		0.3		1.1		2.9		5.9		9.5		12.8		14.7		14.7	
-60	0.3		0.3		1.1		2.9		5.9		9.5		12.8		14.7		14.7	
-70	0.3		0.3		1.1		2.9		5.9		9.5		12.8		14.7		14.7	
-80	0.2		0.9		2.8		7.3		10.5		7.3		2.8		0.9		0.2	
-90	0.2		0.9		2.8		7.3		10.5		7.3		2.8		0.9		0.2	

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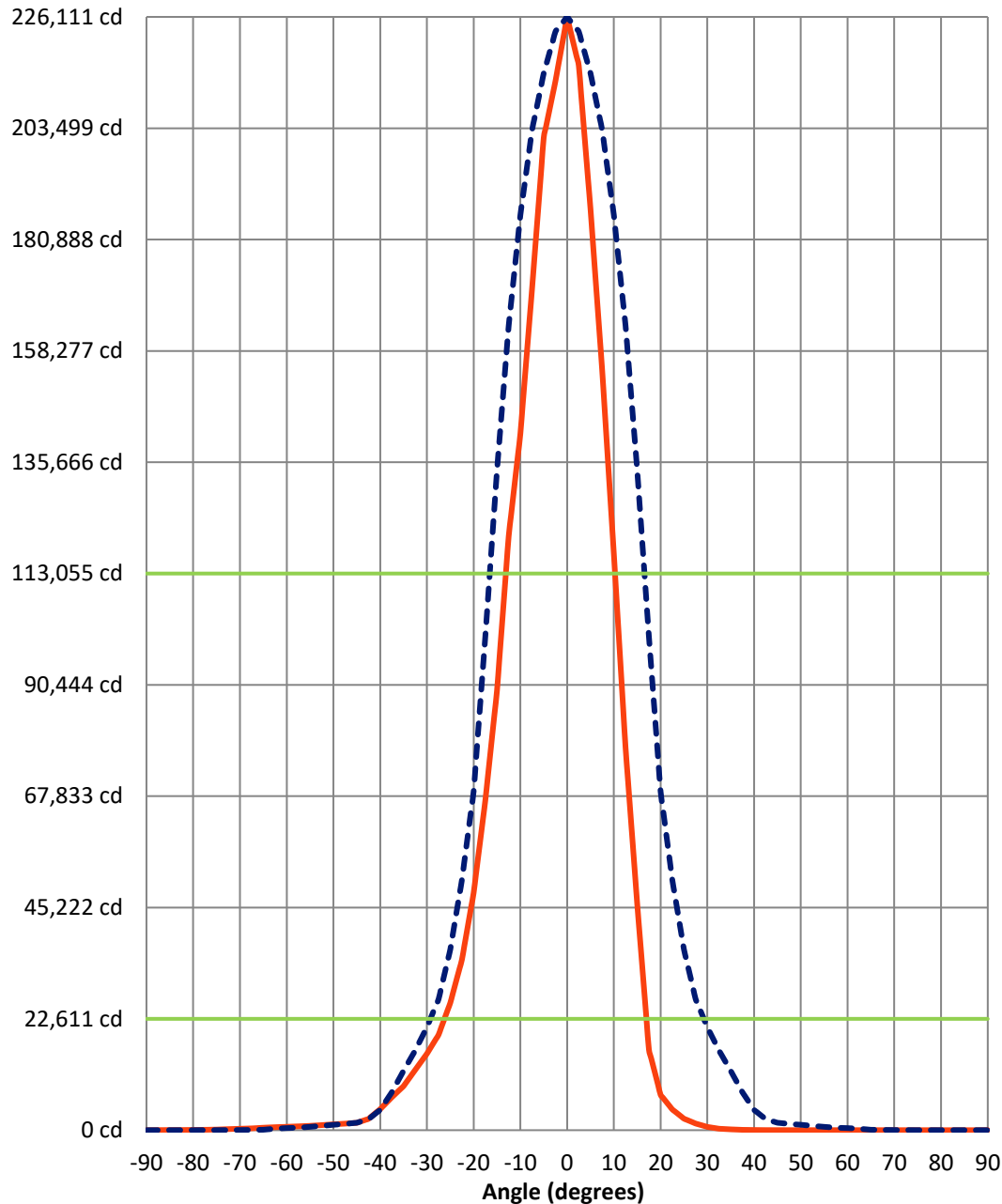
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 30200.8
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 51476.8
 Efficiency: 86.2%

Spill:
 Lumens: 8212.5
 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°	8.3	9.3	10.3	9.8	9.3	8.8	8.3	8.8	9.3	9.8	10.3
87.5°	8.3	8.4	8.5	8.6	8.6	8.7	8.8	8.8	8.6	8.5	8.3
85°	8.3	8.5	8.6	8.8	9.0	9.2	9.3	9.2	9.0	8.7	8.3
82.5°	8.3	8.6	8.8	9.1	9.3	9.6	9.8	9.7	9.4	9.0	8.9
80°	8.3	8.6	9.0	9.3	9.7	10.0	10.3	9.9	9.7	9.6	9.7
77.5°	8.3	8.7	9.2	9.6	10.0	10.3	10.3	10.1	10.0	10.2	10.3
75°	8.3	8.8	9.3	9.8	10.3	10.3	10.3	10.2	10.3	10.3	10.3
72.5°	8.3	8.9	9.5	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3
70°	8.3	9.0	9.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
67.5°	8.3	9.1	9.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
65°	8.3	9.1	10.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
62.5°	8.3	9.2	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
60°	8.3	9.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
57.5°	8.3	9.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
55°	8.3	9.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
52.5°	8.3	9.5	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
50°	8.3	9.6	10.3	10.3	10.3	10.3	10.3	10.4	10.3	10.3	11.2
47.5°	8.3	9.7	10.3	10.3	10.3	10.3	10.3	10.6	10.3	10.3	12.1
45°	8.3	9.7	10.3	10.3	10.3	10.3	10.5	10.8	10.4	11.0	12.9
42.5°	8.3	9.8	10.3	10.3	10.3	10.3	10.7	10.9	10.5	11.5	13.4
40°	8.3	9.8	10.3	10.3	10.3	10.3	10.9	11.0	10.8	12.0	13.9
37.5°	8.3	9.9	10.3	10.3	10.3	10.3	11.2	11.2	11.4	12.7	14.2
35°	8.3	9.9	10.3	10.3	10.3	10.4	11.5	11.3	12.0	13.7	14.6
32.5°	8.3	10.0	10.3	10.3	10.3	10.7	11.7	11.4	12.6	14.8	16.1
30°	8.3	10.0	10.3	10.3	10.3	10.9	11.8	11.6	13.1	16.1	17.9
27.5°	8.3	10.1	10.3	10.3	10.3	11.1	12.0	12.1	13.8	17.6	19.9
25°	8.3	10.1	10.3	10.3	10.3	11.4	12.1	12.5	15.0	19.2	22.2
22.5°	8.3	10.1	10.3	10.3	10.3	11.6	12.2	12.9	16.2	21.0	26.5
20°	8.3	10.2	10.3	10.3	10.3	11.8	12.4	13.3	17.5	22.9	31.1
17.5°	8.3	10.2	10.3	10.3	10.3	11.9	12.5	13.6	18.8	24.8	36.0
15°	8.3	10.2	10.3	10.3	10.3	12.0	12.7	14.3	20.1	26.9	40.9
12.5°	8.3	10.3	10.3	10.3	10.3	12.1	13.0	15.3	22.0	28.9	45.9
10°	8.3	10.3	10.3	10.3	10.3	12.2	13.2	16.3	24.4	33.1	52.5
7.5°	8.3	10.3	10.3	10.3	10.3	12.3	13.5	17.4	26.7	37.8	62.4
5°	8.3	10.3	10.3	10.3	10.3	12.4	13.8	18.5	28.9	42.5	72.2
2.5°	8.3	10.3	10.3	10.3	10.3	12.4	14.1	19.6	31.0	47.2	81.8
0°	8.3	10.3	10.3	10.3	10.3	12.4	14.1	19.6	31.0	47.2	81.8
-2.5°	8.3	10.3	10.3	10.3	10.3	12.6	15.8	23.5	38.9	62.5	107.2
-5°	8.3	10.3	10.3	10.3	10.3	12.8	17.1	26.2	44.4	72.8	122.5
-7.5°	8.3	10.3	10.3	10.3	10.3	12.9	18.3	28.7	49.5	82.2	136.3
-10°	8.3	10.3	10.3	10.3	10.3	13.1	19.3	31.0	54.0	90.6	148.5
-12.5°	8.3	10.3	10.3	10.3	10.3	13.1	20.2	33.0	57.7	97.8	159.3
-15°	8.3	10.2	10.3	10.3	10.3	13.1	20.8	34.6	61.2	104.7	168.3
-17.5°	8.3	10.2	10.3	10.3	10.3	13.1	21.2	36.2	64.5	110.0	174.9
-20°	8.3	10.2	10.3	10.3	10.3	13.0	21.6	37.8	66.6	113.4	179.1



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	10.2	10.3	10.3	10.3	12.8	22.0	38.9	67.4	114.9	180.7
-25°	8.3	10.2	10.3	10.3	10.3	12.8	22.1	39.4	66.6	114.3	179.4
-27.5°	8.3	10.1	10.3	10.3	10.3	12.8	21.8	39.4	64.4	112.3	178.4
-30°	8.3	10.1	10.3	10.3	10.3	12.6	21.0	38.7	63.0	109.7	174.5
-32.5°	8.3	10.1	10.3	10.3	10.5	12.3	19.7	37.7	62.1	104.9	167.7
-35°	8.3	10.0	10.3	10.3	10.6	11.8	19.0	36.2	60.2	97.9	157.9
-37.5°	8.3	10.0	10.3	10.3	10.8	11.4	18.4	34.0	57.5	88.6	142.3
-40°	8.3	10.0	10.3	10.3	10.9	11.6	17.5	31.1	53.9	82.7	126.6
-42.5°	8.3	10.0	10.3	10.3	11.0	11.7	16.3	27.5	49.7	75.8	109.8
-45°	8.3	9.9	10.3	10.4	11.1	11.9	14.8	24.3	44.7	67.9	93.2
-47.5°	8.3	9.9	10.3	10.4	11.1	12.1	13.1	22.2	38.8	59.2	83.3
-50°	8.3	9.9	10.3	10.4	11.2	12.2	13.0	19.8	31.4	50.7	72.5
-52.5°	8.3	9.8	10.3	10.5	11.2	12.3	13.2	17.0	26.4	41.5	61.0
-55°	8.3	9.8	10.3	10.5	11.2	12.3	13.3	14.2	22.5	31.9	50.0
-57.5°	8.3	9.8	10.3	10.5	11.1	12.2	13.5	14.4	18.6	26.3	38.4
-60°	8.3	9.7	10.3	10.5	11.1	12.1	13.6	14.5	15.4	21.9	28.7
-62.5°	8.3	9.7	10.3	10.4	11.0	11.9	13.3	14.5	15.2	17.5	24.0
-65°	8.3	9.7	10.3	10.4	10.9	11.8	13.0	14.2	14.8	16.1	19.2
-67.5°	8.3	9.6	10.3	10.4	10.8	11.5	12.7	13.7	14.4	15.3	16.9
-70°	8.3	9.6	10.3	10.3	10.6	11.3	12.3	13.1	13.8	14.4	15.6
-72.5°	8.3	9.6	10.3	10.3	10.5	11.0	11.8	12.6	13.1	13.7	14.2
-75°	8.3	9.5	10.3	10.2	10.3	10.7	11.4	11.9	12.5	12.9	13.4
-77.5°	8.3	9.5	10.3	10.1	10.2	10.4	10.9	11.3	11.8	12.2	12.6
-80°	8.3	9.5	10.3	10.1	10.0	10.1	10.4	10.7	11.1	11.4	11.7
-82.5°	8.3	9.4	10.3	10.0	9.8	9.8	9.9	10.1	10.3	10.6	10.9
-85°	8.3	9.4	10.3	9.9	9.7	9.5	9.3	9.7	10.0	10.2	10.3
-87.5°	8.3	9.3	10.3	9.9	9.5	9.1	8.8	9.2	9.6	10.0	10.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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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°	9.8	9.3	8.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.0	7.8	7.7
82.5°	8.9	8.8	8.6	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	9.6	9.4	8.9	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	9.9	9.4	8.9	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	10.0	9.5	9.0	8.5	8.3	8.3	8.4	8.7	9.0	9.0	8.8
72.5°	10.0	9.5	9.0	8.6	8.7	9.2	9.7	10.1	10.6	10.9	11.2
70°	10.1	9.6	9.4	9.5	9.9	10.5	11.4	12.5	13.6	14.4	15.7
67.5°	10.2	9.9	10.0	10.4	11.1	12.1	13.4	16.1	19.0	20.6	22.3
65°	10.3	10.2	10.6	11.3	12.3	14.9	17.9	21.2	26.3	29.2	30.5
62.5°	10.3	10.5	11.0	12.5	15.4	18.7	22.9	28.5	35.4	40.1	40.3
60°	10.3	10.6	12.3	15.2	18.5	22.5	28.1	35.8	45.9	53.5	48.7
57.5°	10.3	11.5	14.4	17.5	21.1	25.7	33.0	42.8	52.4	62.6	53.7
55°	10.8	13.1	16.0	19.2	23.3	28.2	35.8	44.2	54.7	57.8	47.6
52.5°	12.2	14.5	17.0	20.5	25.0	29.4	34.2	41.4	44.8	45.4	37.8
50°	13.4	15.2	17.5	21.4	25.7	28.8	29.9	34.1	34.4	31.2	27.1
47.5°	14.2	15.9	17.7	21.8	25.7	27.6	27.1	26.1	24.0	22.1	17.2
45°	14.7	16.5	18.3	22.3	25.5	26.2	23.9	18.9	19.7	17.5	16.2
42.5°	15.2	17.1	19.9	23.0	25.1	24.9	21.5	19.9	18.5	18.1	17.6
40°	15.7	17.7	21.8	24.6	25.1	24.3	24.5	23.4	20.1	21.4	21.6
37.5°	16.2	19.7	24.6	28.7	25.9	27.3	29.2	29.7	28.0	27.3	30.1
35°	16.6	21.8	30.1	34.7	32.0	33.0	36.9	38.6	39.0	38.9	41.0
32.5°	18.0	24.2	37.4	41.8	43.1	43.7	46.5	50.4	54.9	56.9	54.5
30°	20.9	30.9	45.7	50.5	55.9	63.6	61.9	64.9	75.0	79.2	83.0
27.5°	25.6	39.7	54.1	62.3	71.9	89.4	95.7	89.3	97.9	106.2	118.6
25°	31.0	62.0	63.5	75.6	97.2	123.6	140.5	147.7	128.5	142.7	176.0
22.5°	43.0	91.1	96.9	89.9	126.5	165.5	198.7	216.5	214.2	200.3	245.0
20°	64.3	120.5	136.1	139.0	166.9	213.5	265.3	295.5	324.2	374.0	505.1
17.5°	89.1	153.1	177.7	202.7	253.2	294.6	339.0	383.8	451.8	600.2	1044.8
15°	116.8	188.3	221.2	271.8	347.1	416.4	470.4	510.6	630.7	941.6	1727.8
12.5°	146.2	225.3	266.0	345.0	446.0	544.3	621.0	702.2	904.0	1515.5	2813.9
10°	176.5	263.5	311.7	420.7	548.1	676.4	775.7	898.0	1213.4	2165.2	3999.2
7.5°	210.1	304.2	358.3	497.1	651.5	810.1	932.6	1095.3	1529.2	2821.7	5192.0
5°	242.8	346.8	407.9	563.2	738.5	927.7	1079.0	1290.4	1841.6	3458.1	6351.1
2.5°	272.8	388.1	456.4	623.5	811.6	1017.1	1178.9	1407.2	2057.9	3876.2	7204.3
0°	299.2	427.1	503.4	678.8	878.9	1099.7	1273.0	1514.4	2232.4	4128.5	7714.3
-2.5°	309.2	442.1	522.7	692.8	888.3	1113.7	1290.3	1523.8	2285.9	4230.8	7789.4
-5°	315.0	453.7	539.6	701.9	891.5	1119.2	1300.5	1523.6	2272.5	4142.2	7423.3
-7.5°	316.8	461.4	554.0	703.1	874.7	1083.2	1249.6	1443.6	2093.4	3775.9	6633.9
-10°	314.9	460.3	549.7	677.2	831.0	1020.1	1181.4	1356.3	1886.9	3316.6	5755.9
-12.5°	309.2	451.8	541.5	649.8	785.7	952.3	1109.9	1263.1	1657.6	2769.7	4851.8
-15°	301.4	441.9	532.8	622.0	740.2	881.0	1036.1	1165.3	1418.9	2186.4	3954.4
-17.5°	292.2	430.8	524.3	594.6	695.7	807.3	964.0	1083.8	1242.9	1814.4	3232.3
-20°	282.1	419.1	516.2	568.6	654.1	751.3	894.5	1016.2	1150.8	1521.2	2457.9



REPORT NUMBER: P731728 (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°	271.5	407.2	504.4	554.2	626.8	712.8	824.5	944.8	1057.2	1197.5	1800.5
-25°	266.1	389.6	486.9	544.3	601.4	675.4	756.9	869.8	970.2	1105.1	1452.9
-27.5°	263.6	373.1	466.1	533.3	576.6	641.3	708.8	795.9	910.8	1030.1	1156.2
-30°	257.4	348.6	444.9	517.9	560.8	613.4	670.0	744.0	853.8	963.9	1075.3
-32.5°	242.3	322.5	417.5	493.3	546.3	587.3	642.2	710.0	798.2	899.3	999.3
-35°	222.8	299.8	386.4	468.7	529.8	569.6	619.4	677.7	746.7	837.3	944.2
-37.5°	203.3	274.5	354.1	439.2	503.1	555.5	595.4	648.3	708.2	780.1	885.2
-40°	181.4	246.7	322.8	402.8	477.5	535.1	579.5	619.5	671.3	741.8	817.1
-42.5°	158.1	220.2	289.9	364.7	439.2	505.1	561.3	599.1	643.1	704.1	772.8
-45°	138.3	191.3	255.0	323.9	394.0	466.5	526.5	581.4	621.5	667.9	729.0
-47.5°	117.3	162.2	220.2	280.5	346.5	414.5	484.5	542.7	599.4	641.7	684.9
-50°	97.7	137.9	182.4	238.4	296.6	360.0	425.2	494.2	553.6	608.4	655.6
-52.5°	84.4	112.4	151.8	196.0	248.3	303.3	364.4	427.7	493.1	555.3	604.3
-55°	70.1	93.8	121.7	159.1	201.2	249.7	302.1	360.4	418.0	478.9	534.9
-57.5°	56.2	76.6	98.3	124.6	160.0	197.9	244.3	292.7	345.5	397.6	442.1
-60°	42.5	60.1	79.5	99.1	120.8	153.9	187.6	228.5	273.3	316.7	355.7
-62.5°	29.9	44.4	61.2	78.8	96.4	113.6	140.6	171.1	201.7	238.3	272.5
-65°	24.9	31.0	43.3	58.8	74.7	90.6	106.1	121.2	146.6	172.4	196.4
-67.5°	19.8	25.2	30.9	38.6	52.6	66.8	81.5	95.3	108.7	121.7	136.8
-70°	17.5	19.8	24.2	29.4	34.7	41.8	54.2	67.0	80.4	93.6	105.1
-72.5°	15.8	17.9	20.0	22.1	26.3	30.8	35.2	39.4	47.7	59.2	70.7
-75°	14.4	16.0	18.0	19.9	21.7	23.5	25.8	29.6	33.3	37.3	41.2
-77.5°	13.2	14.3	15.7	17.5	19.1	20.5	22.0	23.6	25.4	27.3	29.3
-80°	12.1	12.4	13.1	14.1	15.5	16.8	18.1	19.4	20.7	22.0	23.4
-82.5°	11.1	11.3	11.6	11.8	12.4	13.1	14.0	15.1	15.8	16.5	17.3
-85°	10.3	10.3	10.5	10.6	10.9	11.2	11.6	12.0	12.2	12.5	12.7
-87.5°	10.0	9.8	9.6	9.4	9.5	9.6	9.7	9.7	9.8	9.8	9.9
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7



REPORT NUMBER: P731728 (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°	8.3	9.3	10.3	11.4	12.4	13.4	14.4	15.5	16.5	17.5	18.6
87.5°	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1	3.6	3.1
85°	7.5	7.3	7.0	6.6	6.2	5.7	5.2	4.6	4.1	3.6	3.1
82.5°	8.3	7.8	7.3	6.8	6.2	5.7	5.2	4.7	4.1	3.6	3.1
80°	8.3	7.9	7.3	6.8	6.3	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	8.3	7.9	7.4	6.8	6.3	5.8	5.2	4.7	4.2	4.0	4.0
75°	8.5	8.1	8.0	7.8	7.3	6.9	6.6	6.3	5.9	5.5	5.1
72.5°	11.4	11.4	11.1	10.8	10.2	9.7	9.3	8.7	8.0	7.5	7.1
70°	16.9	17.6	17.0	15.9	14.1	12.6	11.8	11.0	10.1	9.3	8.4
67.5°	23.5	23.5	21.8	19.6	16.7	14.1	13.0	11.9	10.8	10.2	10.1
65°	30.4	28.4	25.5	22.1	18.1	14.2	13.1	12.0	10.9	10.3	10.3
62.5°	38.1	31.8	25.6	21.1	17.4	14.2	12.7	11.3	9.9	8.9	8.7
60°	41.0	30.4	21.9	18.2	15.2	12.7	11.2	9.9	8.9	8.3	8.3
57.5°	39.7	27.2	17.7	14.7	12.4	10.8	9.7	8.7	7.8	6.9	6.7
55°	33.8	22.1	13.3	11.4	10.2	9.1	8.1	7.5	6.9	6.2	6.2
52.5°	24.8	17.0	11.9	10.0	9.4	8.8	8.2	8.0	7.8	7.6	7.4
50°	18.2	13.1	11.3	10.1	9.8	9.7	10.0	10.0	9.9	9.6	9.3
47.5°	14.8	12.8	11.6	10.4	10.7	11.6	12.1	12.1	11.9	11.7	11.4
45°	14.3	13.2	12.6	13.2	13.9	14.5	14.5	14.1	14.8	15.0	14.7
42.5°	15.8	15.9	17.1	18.2	17.5	18.7	19.9	19.8	20.8	21.5	21.5
40°	22.2	21.6	24.9	25.8	26.3	27.5	31.0	30.6	32.2	36.6	37.4
37.5°	31.9	33.6	35.8	37.8	43.3	46.8	53.7	59.2	62.2	70.5	76.9
35°	45.0	49.5	50.7	61.7	72.9	83.5	93.1	104.7	109.7	128.1	140.8
32.5°	63.7	73.0	85.5	103.6	124.9	150.3	149.2	187.9	201.9	239.7	283.0
30°	89.1	115.0	156.2	184.8	237.3	278.5	299.4	359.8	440.9	518.5	624.1
27.5°	144.9	199.4	273.9	372.3	423.5	485.7	579.7	651.9	837.2	1014.2	1144.0
25°	249.1	363.6	504.3	649.5	740.5	822.0	993.9	1120.0	1382.6	1579.8	1861.0
22.5°	476.3	721.0	899.1	1006.9	1202.1	1457.2	1581.1	1927.9	2317.3	2814.4	3225.3
20°	802.7	1187.7	1584.6	1826.9	2049.7	2613.0	2859.8	3509.5	4337.3	5272.8	6052.6
17.5°	1570.7	1922.4	2730.3	3517.5	4109.7	4665.9	6226.9	7341.9	9506.0	12154.8	13376.5
15°	2818.4	3801.5	4744.3	6172.2	7683.4	9364.7	11814.2	16043.2	21354.8	27146.8	33411.7
12.5°	4569.0	6363.6	8050.1	9847.6	12011.0	16142.2	21727.1	29113.2	38657.2	48897.1	60720.4
10°	6535.7	9267.0	11730.3	14444.1	18285.5	24422.9	32700.8	44095.1	61091.5	78464.9	93534.8
7.5°	8297.0	11604.9	14946.2	18874.1	24963.2	33728.8	45638.3	63428.9	85624.5	107124.4	125456.4
5°	9984.8	13849.0	17657.4	22339.2	30013.3	41453.2	56866.4	81273.1	109332.3	133188.0	153279.0
2.5°	11299.8	15605.0	19963.3	25469.4	34224.9	47241.0	64747.4	94288.4	128154.5	154611.7	177584.6
0°	12053.2	16181.7	20912.6	26617.4	36692.0	50870.3	68824.3	100279.9	134007.1	163408.8	185859.5
-2.5°	11905.7	16231.8	21068.3	26839.5	36388.7	50001.1	67699.8	97706.1	131275.1	157780.4	179534.7
-5°	11154.1	15112.1	19376.2	24439.5	32865.5	45269.1	62646.7	90844.6	121998.4	148510.0	170620.0
-7.5°	9982.1	13482.1	17194.2	21601.2	28727.3	39520.1	54457.4	76412.8	104015.3	128026.5	144598.3
-10°	8702.8	11782.5	15132.4	19120.6	24741.1	33202.1	44519.9	60380.0	82955.3	102963.2	118334.9
-12.5°	7490.0	10289.7	13203.8	16534.0	20788.2	27452.3	36054.1	47895.0	62447.5	78894.3	94595.5
-15°	6326.8	8785.4	11328.4	14411.0	18110.7	22632.0	28414.7	36381.4	45942.3	56721.9	68350.2
-17.5°	5219.5	7378.3	9770.8	12462.5	15519.7	18974.1	23823.8	29286.8	35356.5	42380.1	49039.2
-20°	4094.9	6089.6	8260.5	10656.8	13399.8	16548.9	19999.7	24103.3	28494.5	33293.3	38274.8



REPORT NUMBER: P731728 (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°
-22.5°	3125.3	4825.0	6724.4	8906.0	11481.3	14257.2	16933.9	19627.3	22876.1	26041.0	29219.6
-25°	2188.5	3536.4	5310.0	7395.4	9582.0	11902.0	13888.7	15787.2	18043.2	20072.3	22185.2
-27.5°	1609.6	2535.7	4002.3	5851.9	7813.0	9404.3	11076.8	12634.1	14267.7	15555.6	17043.9
-30°	1227.4	1760.6	2850.5	4293.2	5866.6	7253.2	8544.0	9954.2	11297.4	12415.4	13351.2
-32.5°	1119.4	1322.6	1874.3	2879.3	4016.6	5247.0	6363.8	7591.3	8718.1	9648.0	10392.8
-35°	1052.0	1162.2	1323.0	1830.4	2497.2	3468.6	4400.6	5405.8	6339.8	7106.9	7723.7
-37.5°	994.5	1091.2	1186.1	1281.4	1648.8	2058.5	2731.1	3458.8	4089.7	4791.1	5338.7
-40°	923.1	1031.6	1108.4	1186.7	1275.0	1377.5	1732.3	2051.0	2407.8	2903.0	3313.0
-42.5°	844.7	936.4	1031.9	1108.6	1176.7	1249.0	1329.4	1409.1	1573.2	1781.4	1950.8
-45°	793.3	853.7	923.1	1010.2	1089.7	1150.0	1209.7	1267.7	1322.4	1371.7	1413.0
-47.5°	737.9	789.2	845.5	905.3	964.2	1031.2	1094.0	1146.5	1188.1	1227.8	1263.3
-50°	688.6	726.5	774.0	820.5	866.9	914.4	961.4	1001.9	1042.1	1078.3	1113.6
-52.5°	648.7	680.6	711.8	743.0	780.7	817.4	852.1	883.3	911.8	936.5	962.6
-55°	581.6	621.8	661.6	689.4	713.2	736.3	759.1	784.9	807.5	826.9	845.2
-57.5°	490.3	539.0	583.4	616.0	646.8	675.7	695.8	710.7	725.0	738.6	751.1
-60°	393.5	430.0	472.6	514.3	552.8	587.7	610.2	629.3	645.5	659.1	671.1
-62.5°	304.1	335.4	370.1	403.8	434.8	465.5	495.4	521.5	543.8	562.7	578.3
-65°	221.5	248.8	278.4	307.0	334.3	361.3	386.0	408.6	428.9	447.2	464.1
-67.5°	157.7	177.7	199.2	218.5	240.3	263.9	287.3	308.2	326.8	341.4	352.4
-70°	116.0	127.4	141.5	158.1	176.1	193.1	209.9	225.9	241.3	254.5	266.4
-72.5°	82.4	94.1	105.4	115.9	127.0	138.2	149.6	161.4	173.5	183.7	192.5
-75°	45.2	51.1	60.5	69.7	78.7	87.2	94.8	101.5	107.3	112.1	116.2
-77.5°	32.0	35.9	39.9	43.7	47.4	51.9	56.6	61.4	66.1	69.8	73.3
-80°	24.8	26.9	29.3	31.7	34.3	37.4	40.6	43.8	47.0	49.3	51.4
-82.5°	18.2	19.7	21.3	22.9	24.4	26.4	28.3	30.2	32.1	33.4	34.6
-85°	12.9	14.0	15.1	16.2	17.4	19.2	20.9	22.6	24.3	25.5	26.6
-87.5°	9.9	10.6	11.2	11.8	12.4	13.9	15.4	17.0	18.5	19.1	19.6
-90°	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1	3.6	3.1



REPORT NUMBER: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	19.6	20.6	20.6	20.6	20.6	20.6	19.6	18.6	17.5	16.5	15.5
87.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.6
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.7
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.7
77.5°	4.0	4.1	3.1	2.1	3.1	4.1	4.0	4.0	4.0	4.2	4.7
75°	4.6	4.1	3.1	2.1	3.1	4.1	4.6	5.1	5.5	5.9	6.3
72.5°	6.7	6.2	6.2	6.2	6.2	6.2	6.7	7.1	7.5	8.0	8.7
70°	7.4	6.3	6.2	6.2	6.2	6.3	7.4	8.4	9.3	10.1	11.0
67.5°	10.1	10.2	10.3	10.3	10.3	10.2	10.1	10.1	10.2	10.8	11.9
65°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.9	12.0
62.5°	8.5	8.4	8.3	8.3	8.3	8.4	8.5	8.7	8.9	9.9	11.3
60°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.9	9.9
57.5°	6.5	6.3	6.2	6.2	6.2	6.3	6.5	6.7	6.9	7.8	8.7
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.9	7.5
52.5°	7.0	6.5	6.2	6.2	6.2	6.5	7.0	7.4	7.6	7.8	8.0
50°	8.9	8.5	8.3	8.3	8.3	8.5	8.9	9.3	9.6	9.9	10.0
47.5°	11.0	10.5	10.3	10.3	10.3	10.5	11.0	11.4	11.7	11.9	12.1
45°	14.0	13.0	12.4	12.4	12.4	13.0	14.0	14.7	15.0	14.8	14.1
42.5°	21.4	20.8	20.4	20.6	20.4	20.8	21.4	21.5	21.5	20.8	19.8
40°	39.2	40.3	40.8	41.3	40.8	40.3	39.2	37.4	36.6	32.2	30.6
37.5°	80.4	78.9	75.3	76.3	75.3	78.9	80.4	76.9	70.5	62.2	59.2
35°	149.2	158.2	164.5	169.2	164.5	158.2	149.2	140.8	128.1	109.7	104.7
32.5°	299.0	311.3	307.7	301.2	307.7	311.3	299.0	283.0	239.7	201.9	187.9
30°	686.4	722.2	712.5	670.5	712.5	722.2	686.4	624.1	518.5	440.9	359.8
27.5°	1237.3	1323.9	1380.3	1351.4	1380.3	1323.9	1237.3	1144.0	1014.2	837.2	651.9
25°	2103.6	2271.7	2392.1	2341.7	2392.1	2271.7	2103.6	1861.0	1579.8	1382.6	1120.0
22.5°	3740.4	4016.5	4180.4	4223.4	4180.4	4016.5	3740.4	3225.3	2814.4	2317.3	1927.9
20°	7033.4	7253.6	7297.2	7188.2	7297.2	7253.6	7033.4	6052.6	5272.8	4337.3	3509.5
17.5°	16923.3	17939.8	17194.7	16412.8	17194.7	17939.8	16923.3	13376.5	12154.8	9506.0	7341.9
15°	38712.9	43005.4	45450.7	45949.6	45450.7	43005.4	38712.9	33411.7	27146.8	21354.8	16043.2
12.5°	68214.4	75131.9	77986.6	77719.8	77986.6	75131.9	68214.4	60720.4	48897.1	38657.2	29113.2
10°	103201.5	110597.1	116960.4	117024.9	116960.4	110597.1	103201.5	93534.8	78464.9	61091.5	44095.1
7.5°	138180.6	146709.6	152696.1	154403.9	152696.1	146709.6	138180.6	125456.4	107124.4	85624.5	63428.9
5°	168802.5	179361.9	185305.3	187120.1	185305.3	179361.9	168802.5	153279.0	133188.0	109332.3	81273.1
2.5°	195725.3	208661.1	215179.4	216192.7	215179.4	208661.1	195725.3	177584.6	154611.7	128154.5	94288.4
0°	203132.6	214663.9	223105.5	226110.5	223105.5	214663.9	203132.6	185859.5	163408.8	134007.1	100279.9
-2.5°	195830.1	205918.6	210949.8	213048.3	210949.8	205918.6	195830.1	179534.7	157780.4	131275.1	97706.1
-5°	184287.0	193701.9	200109.5	201593.5	200109.5	193701.9	184287.0	170620.0	148510.0	121998.4	90844.6
-7.5°	155528.2	164795.3	167674.3	170938.4	167674.3	164795.3	155528.2	144598.3	128026.5	104015.3	76412.8
-10°	129946.8	137155.9	139138.6	141451.1	139138.6	137155.9	129946.8	118334.9	102963.2	82955.3	60380.0
-12.5°	107519.9	114660.7	117893.4	120660.2	117893.4	114660.7	107519.9	94595.5	78894.3	62447.5	47895.0
-15°	78772.9	85484.4	87802.7	89299.5	87802.7	85484.4	78772.9	68350.2	56721.9	45942.3	36381.4
-17.5°	57061.7	62173.2	65210.6	66971.6	65210.6	62173.2	57061.7	49039.2	42380.1	35356.5	29286.8
-20°	42653.5	45582.7	47935.6	48194.4	47935.6	45582.7	42653.5	38274.8	33293.3	28494.5	24103.3



REPORT NUMBER: P731728 (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°	31882.7	33627.5	34710.7	34645.3	34710.7	33627.5	31882.7	29219.6	26041.0	22876.1	19627.3
-25°	23796.7	24969.7	25715.8	25849.9	25715.8	24969.7	23796.7	22185.2	20072.3	18043.2	15787.2
-27.5°	18109.3	18935.2	19363.1	19385.9	19363.1	18935.2	18109.3	17043.9	15555.6	14267.7	12634.1
-30°	14030.2	14718.1	15174.3	15523.5	15174.3	14718.1	14030.2	13351.2	12415.4	11297.4	9954.2
-32.5°	11018.8	11606.0	12004.0	12241.0	12004.0	11606.0	11018.8	10392.8	9648.0	8718.1	7591.3
-35°	8260.8	8731.0	9012.4	8941.9	9012.4	8731.0	8260.8	7723.7	7106.9	6339.8	5405.8
-37.5°	5821.0	6219.6	6503.2	6682.7	6503.2	6219.6	5821.0	5338.7	4791.1	4089.7	3458.8
-40°	3667.8	3943.5	4139.7	4264.6	4139.7	3943.5	3667.8	3313.0	2903.0	2407.8	2051.0
-42.5°	2088.9	2191.9	2261.3	2298.4	2261.3	2191.9	2088.9	1950.8	1781.4	1573.2	1409.1
-45°	1444.7	1470.5	1489.0	1499.9	1489.0	1470.5	1444.7	1413.0	1371.7	1322.4	1267.7
-47.5°	1291.0	1312.1	1325.8	1332.8	1325.8	1312.1	1291.0	1263.3	1227.8	1188.1	1146.5
-50°	1145.3	1171.2	1186.8	1192.5	1186.8	1171.2	1145.3	1113.6	1078.3	1042.1	1001.9
-52.5°	986.9	1007.9	1022.0	1029.5	1022.0	1007.9	986.9	962.6	936.5	911.8	883.3
-55°	861.2	874.6	881.5	883.1	881.5	874.6	861.2	845.2	826.9	807.5	784.9
-57.5°	761.7	770.3	777.1	782.0	777.1	770.3	761.7	751.1	738.6	725.0	710.7
-60°	680.8	688.3	692.1	693.2	692.1	688.3	680.8	671.1	659.1	645.5	629.3
-62.5°	590.3	599.2	606.0	610.7	606.0	599.2	590.3	578.3	562.7	543.8	521.5
-65°	479.4	492.8	499.8	503.4	499.8	492.8	479.4	464.1	447.2	428.9	408.6
-67.5°	361.2	368.0	369.7	369.3	369.7	368.0	361.2	352.4	341.4	326.8	308.2
-70°	277.4	287.5	291.3	293.0	291.3	287.5	277.4	266.4	254.5	241.3	225.9
-72.5°	200.5	207.6	211.8	214.6	211.8	207.6	200.5	192.5	183.7	173.5	161.4
-75°	119.8	122.7	124.6	125.9	124.6	122.7	119.8	116.2	112.1	107.3	101.5
-77.5°	76.7	79.9	81.4	82.5	81.4	79.9	76.7	73.3	69.8	66.1	61.4
-80°	53.5	55.4	55.6	55.7	55.6	55.4	53.5	51.4	49.3	47.0	43.8
-82.5°	35.8	37.0	37.1	37.1	37.1	37.0	35.8	34.6	33.4	32.1	30.2
-85°	27.7	28.8	28.9	28.9	28.9	28.8	27.7	26.6	25.5	24.3	22.6
-87.5°	20.1	20.6	21.6	22.7	21.6	20.6	20.1	19.6	19.1	18.5	17.0
-90°	2.6	2.1	1.1	0.0	1.1	2.1	2.6	3.1	3.6	4.1	4.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.4	13.4	12.4	11.4	10.3	9.3	8.3	8.3	8.3	8.3	8.3
87.5°	5.2	5.7	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3
85°	5.2	5.7	6.2	6.6	7.0	7.3	7.5	7.7	7.8	8.0	8.3
82.5°	5.2	5.7	6.2	6.8	7.3	7.8	8.3	8.3	8.3	8.3	8.3
80°	5.2	5.7	6.3	6.8	7.3	7.9	8.3	8.3	8.3	8.3	8.3
77.5°	5.2	5.8	6.3	6.8	7.4	7.9	8.3	8.3	8.3	8.3	8.3
75°	6.6	6.9	7.3	7.8	8.0	8.1	8.5	8.8	9.0	9.0	8.7
72.5°	9.3	9.7	10.2	10.8	11.1	11.4	11.4	11.2	10.9	10.6	10.1
70°	11.8	12.6	14.1	15.9	17.0	17.6	16.9	15.7	14.4	13.6	12.5
67.5°	13.0	14.1	16.7	19.6	21.8	23.5	23.5	22.3	20.6	19.0	16.1
65°	13.1	14.2	18.1	22.1	25.5	28.4	30.4	30.5	29.2	26.3	21.2
62.5°	12.7	14.2	17.4	21.1	25.6	31.8	38.1	40.3	40.1	35.4	28.5
60°	11.2	12.7	15.2	18.2	21.9	30.4	41.0	48.7	53.5	45.9	35.8
57.5°	9.7	10.8	12.4	14.7	17.7	27.2	39.7	53.7	62.6	52.4	42.8
55°	8.1	9.1	10.2	11.4	13.3	22.1	33.8	47.6	57.8	54.7	44.2
52.5°	8.2	8.8	9.4	10.0	11.9	17.0	24.8	37.8	45.4	44.8	41.4
50°	10.0	9.7	9.8	10.1	11.3	13.1	18.2	27.1	31.2	34.4	34.1
47.5°	12.1	11.6	10.7	10.4	11.6	12.8	14.8	17.2	22.1	24.0	26.1
45°	14.5	14.5	13.9	13.2	12.6	13.2	14.3	16.2	17.5	19.7	18.9
42.5°	19.9	18.7	17.5	18.2	17.1	15.9	15.8	17.6	18.1	18.5	19.9
40°	31.0	27.5	26.3	25.8	24.9	21.6	22.2	21.6	21.4	20.1	23.4
37.5°	53.7	46.8	43.3	37.8	35.8	33.6	31.9	30.1	27.3	28.0	29.7
35°	93.1	83.5	72.9	61.7	50.7	49.5	45.0	41.0	38.9	39.0	38.6
32.5°	149.2	150.3	124.9	103.6	85.5	73.0	63.7	54.5	56.9	54.9	50.4
30°	299.4	278.5	237.3	184.8	156.2	115.0	89.1	83.0	79.2	75.0	64.9
27.5°	579.7	485.7	423.5	372.3	273.9	199.4	144.9	118.6	106.2	97.9	89.3
25°	993.9	822.0	740.5	649.5	504.3	363.6	249.1	176.0	142.7	128.5	147.7
22.5°	1581.1	1457.2	1202.1	1006.9	899.1	721.0	476.3	245.0	200.3	214.2	216.5
20°	2859.8	2613.0	2049.7	1826.9	1584.6	1187.7	802.7	505.1	374.0	324.2	295.5
17.5°	6226.9	4665.9	4109.7	3517.5	2730.3	1922.4	1570.7	1044.8	600.2	451.8	383.8
15°	11814.2	9364.7	7683.4	6172.2	4744.3	3801.5	2818.4	1727.8	941.6	630.7	510.6
12.5°	21727.1	16142.2	12011.0	9847.6	8050.1	6363.6	4569.0	2813.9	1515.5	904.0	702.2
10°	32700.8	24422.9	18285.5	14444.1	11730.3	9267.0	6535.7	3999.2	2165.2	1213.4	898.0
7.5°	45638.3	33728.8	24963.2	18874.1	14946.2	11604.9	8297.0	5192.0	2821.7	1529.2	1095.3
5°	56866.4	41453.2	30013.3	22339.2	17657.4	13849.0	9984.8	6351.1	3458.1	1841.6	1290.4
2.5°	64747.4	47241.0	34224.9	25469.4	19963.3	15605.0	11299.8	7204.3	3876.2	2057.9	1407.2
0°	68824.3	50870.3	36692.0	26617.4	20912.6	16181.7	12053.2	7714.3	4128.5	2232.4	1514.4
-2.5°	67699.8	50001.1	36388.7	26839.5	21068.3	16231.8	11905.7	7789.4	4230.8	2285.9	1523.8
-5°	62646.7	45269.1	32865.5	24439.5	19376.2	15112.1	11154.1	7423.3	4142.2	2272.5	1523.6
-7.5°	54457.4	39520.1	28727.3	21601.2	17194.2	13482.1	9982.1	6633.9	3775.9	2093.4	1443.6
-10°	44519.9	33202.1	24741.1	19120.6	15132.4	11782.5	8702.8	5755.9	3316.6	1886.9	1356.3
-12.5°	36054.1	27452.3	20788.2	16534.0	13203.8	10289.7	7490.0	4851.8	2769.7	1657.6	1263.1
-15°	28414.7	22632.0	18110.7	14411.0	11328.4	8785.4	6326.8	3954.4	2186.4	1418.9	1165.3
-17.5°	23823.8	18974.1	15519.7	12462.5	9770.8	7378.3	5219.5	3232.3	1814.4	1242.9	1083.8
-20°	19999.7	16548.9	13399.8	10656.8	8260.5	6089.6	4094.9	2457.9	1521.2	1150.8	1016.2



REPORT NUMBER: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16933.9	14257.2	11481.3	8906.0	6724.4	4825.0	3125.3	1800.5	1197.5	1057.2	944.8
-25°	13888.7	11902.0	9582.0	7395.4	5310.0	3536.4	2188.5	1452.9	1105.1	970.2	869.8
-27.5°	11076.8	9404.3	7813.0	5851.9	4002.3	2535.7	1609.6	1156.2	1030.1	910.8	795.9
-30°	8544.0	7253.2	5866.6	4293.2	2850.5	1760.6	1227.4	1075.3	963.9	853.8	744.0
-32.5°	6363.8	5247.0	4016.6	2879.3	1874.3	1322.6	1119.4	999.3	899.3	798.2	710.0
-35°	4400.6	3468.6	2497.2	1830.4	1323.0	1162.2	1052.0	944.2	837.3	746.7	677.7
-37.5°	2731.1	2058.5	1648.8	1281.4	1186.1	1091.2	994.5	885.2	780.1	708.2	648.3
-40°	1732.3	1377.5	1275.0	1186.7	1108.4	1031.6	923.1	817.1	741.8	671.3	619.5
-42.5°	1329.4	1249.0	1176.7	1108.6	1031.9	936.4	844.7	772.8	704.1	643.1	599.1
-45°	1209.7	1150.0	1089.7	1010.2	923.1	853.7	793.3	729.0	667.9	621.5	581.4
-47.5°	1094.0	1031.2	964.2	905.3	845.5	789.2	737.9	684.9	641.7	599.4	542.7
-50°	961.4	914.4	866.9	820.5	774.0	726.5	688.6	655.6	608.4	553.6	494.2
-52.5°	852.1	817.4	780.7	743.0	711.8	680.6	648.7	604.3	555.3	493.1	427.7
-55°	759.1	736.3	713.2	689.4	661.6	621.8	581.6	534.9	478.9	418.0	360.4
-57.5°	695.8	675.7	646.8	616.0	583.4	539.0	490.3	442.1	397.6	345.5	292.7
-60°	610.2	587.7	552.8	514.3	472.6	430.0	393.5	355.7	316.7	273.3	228.5
-62.5°	495.4	465.5	434.8	403.8	370.1	335.4	304.1	272.5	238.3	201.7	171.1
-65°	386.0	361.3	334.3	307.0	278.4	248.8	221.5	196.4	172.4	146.6	121.2
-67.5°	287.3	263.9	240.3	218.5	199.2	177.7	157.7	136.8	121.7	108.7	95.3
-70°	209.9	193.1	176.1	158.1	141.5	127.4	116.0	105.1	93.6	80.4	67.0
-72.5°	149.6	138.2	127.0	115.9	105.4	94.1	82.4	70.7	59.2	47.7	39.4
-75°	94.8	87.2	78.7	69.7	60.5	51.1	45.2	41.2	37.3	33.3	29.6
-77.5°	56.6	51.9	47.4	43.7	39.9	35.9	32.0	29.3	27.3	25.4	23.6
-80°	40.6	37.4	34.3	31.7	29.3	26.9	24.8	23.4	22.0	20.7	19.4
-82.5°	28.3	26.4	24.4	22.9	21.3	19.7	18.2	17.3	16.5	15.8	15.1
-85°	20.9	19.2	17.4	16.2	15.1	14.0	12.9	12.7	12.5	12.2	12.0
-87.5°	15.4	13.9	12.4	11.8	11.2	10.6	9.9	9.9	9.8	9.8	9.7
-90°	5.2	5.7	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3



REPORT NUMBER: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.3	8.3	8.3	8.3	8.8	9.3	9.8	10.3	9.8	9.3	8.8
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.6	8.8
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.7	9.0	9.2
82.5°	8.3	8.3	8.3	8.3	8.6	8.8	8.9	8.9	9.0	9.4	9.7
80°	8.3	8.3	8.3	8.4	8.9	9.4	9.6	9.7	9.6	9.7	9.9
77.5°	8.3	8.3	8.3	8.4	8.9	9.4	9.9	10.3	10.2	10.0	10.1
75°	8.4	8.3	8.3	8.5	9.0	9.5	10.0	10.3	10.3	10.3	10.2
72.5°	9.7	9.2	8.7	8.6	9.0	9.5	10.0	10.3	10.3	10.3	10.3
70°	11.4	10.5	9.9	9.5	9.4	9.6	10.1	10.3	10.3	10.3	10.3
67.5°	13.4	12.1	11.1	10.4	10.0	9.9	10.2	10.3	10.3	10.3	10.3
65°	17.9	14.9	12.3	11.3	10.6	10.2	10.3	10.3	10.3	10.3	10.3
62.5°	22.9	18.7	15.4	12.5	11.0	10.5	10.3	10.3	10.3	10.3	10.3
60°	28.1	22.5	18.5	15.2	12.3	10.6	10.3	10.3	10.3	10.3	10.3
57.5°	33.0	25.7	21.1	17.5	14.4	11.5	10.3	10.3	10.3	10.3	10.3
55°	35.8	28.2	23.3	19.2	16.0	13.1	10.8	10.3	10.3	10.3	10.3
52.5°	34.2	29.4	25.0	20.5	17.0	14.5	12.2	10.3	10.3	10.3	10.3
50°	29.9	28.8	25.7	21.4	17.5	15.2	13.4	11.2	10.3	10.3	10.4
47.5°	27.1	27.6	25.7	21.8	17.7	15.9	14.2	12.1	10.3	10.3	10.6
45°	23.9	26.2	25.5	22.3	18.3	16.5	14.7	12.9	11.0	10.4	10.8
42.5°	21.5	24.9	25.1	23.0	19.9	17.1	15.2	13.4	11.5	10.5	10.9
40°	24.5	24.3	25.1	24.6	21.8	17.7	15.7	13.9	12.0	10.8	11.0
37.5°	29.2	27.3	25.9	28.7	24.6	19.7	16.2	14.2	12.7	11.4	11.2
35°	36.9	33.0	32.0	34.7	30.1	21.8	16.6	14.6	13.7	12.0	11.3
32.5°	46.5	43.7	43.1	41.8	37.4	24.2	18.0	16.1	14.8	12.6	11.4
30°	61.9	63.6	55.9	50.5	45.7	30.9	20.9	17.9	16.1	13.1	11.6
27.5°	95.7	89.4	71.9	62.3	54.1	39.7	25.6	19.9	17.6	13.8	12.1
25°	140.5	123.6	97.2	75.6	63.5	62.0	31.0	22.2	19.2	15.0	12.5
22.5°	198.7	165.5	126.5	89.9	96.9	91.1	43.0	26.5	21.0	16.2	12.9
20°	265.3	213.5	166.9	139.0	136.1	120.5	64.3	31.1	22.9	17.5	13.3
17.5°	339.0	294.6	253.2	202.7	177.7	153.1	89.1	36.0	24.8	18.8	13.6
15°	470.4	416.4	347.1	271.8	221.2	188.3	116.8	40.9	26.9	20.1	14.3
12.5°	621.0	544.3	446.0	345.0	266.0	225.3	146.2	45.9	28.9	22.0	15.3
10°	775.7	676.4	548.1	420.7	311.7	263.5	176.5	52.5	33.1	24.4	16.3
7.5°	932.6	810.1	651.5	497.1	358.3	304.2	210.1	62.4	37.8	26.7	17.4
5°	1079.0	927.7	738.5	563.2	407.9	346.8	242.8	72.2	42.5	28.9	18.5
2.5°	1178.9	1017.1	811.6	623.5	456.4	388.1	272.8	81.8	47.2	31.0	19.6
0°	1273.0	1099.7	878.9	678.8	503.4	427.1	299.2	90.8	51.6	33.0	20.6
-2.5°	1290.3	1113.7	888.3	692.8	522.7	442.1	309.2	107.2	62.5	38.9	23.5
-5°	1300.5	1119.2	891.5	701.9	539.6	453.7	315.0	122.5	72.8	44.4	26.2
-7.5°	1249.6	1083.2	874.7	703.1	554.0	461.4	316.8	136.3	82.2	49.5	28.7
-10°	1181.4	1020.1	831.0	677.2	549.7	460.3	314.9	148.5	90.6	54.0	31.0
-12.5°	1109.9	952.3	785.7	649.8	541.5	451.8	309.2	159.3	97.8	57.7	33.0
-15°	1036.1	881.0	740.2	622.0	532.8	441.9	301.4	168.3	104.7	61.2	34.6
-17.5°	964.0	807.3	695.7	594.6	524.3	430.8	292.2	174.9	110.0	64.5	36.2
-20°	894.5	751.3	654.1	568.6	516.2	419.1	282.1	179.1	113.4	66.6	37.8



REPORT NUMBER: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	824.5	712.8	626.8	554.2	504.4	407.2	271.5	180.7	114.9	67.4	38.9
-25°	756.9	675.4	601.4	544.3	486.9	389.6	266.1	179.4	114.3	66.6	39.4
-27.5°	708.8	641.3	576.6	533.3	466.1	373.1	263.6	178.4	112.3	64.4	39.4
-30°	670.0	613.4	560.8	517.9	444.9	348.6	257.4	174.5	109.7	63.0	38.7
-32.5°	642.2	587.3	546.3	493.3	417.5	322.5	242.3	167.7	104.9	62.1	37.7
-35°	619.4	569.6	529.8	468.7	386.4	299.8	222.8	157.9	97.9	60.2	36.2
-37.5°	595.4	555.5	503.1	439.2	354.1	274.5	203.3	142.3	88.6	57.5	34.0
-40°	579.5	535.1	477.5	402.8	322.8	246.7	181.4	126.6	82.7	53.9	31.1
-42.5°	561.3	505.1	439.2	364.7	289.9	220.2	158.1	109.8	75.8	49.7	27.5
-45°	526.5	466.5	394.0	323.9	255.0	191.3	138.3	93.2	67.9	44.7	24.3
-47.5°	484.5	414.5	346.5	280.5	220.2	162.2	117.3	83.3	59.2	38.8	22.2
-50°	425.2	360.0	296.6	238.4	182.4	137.9	97.7	72.5	50.7	31.4	19.8
-52.5°	364.4	303.3	248.3	196.0	151.8	112.4	84.4	61.0	41.5	26.4	17.0
-55°	302.1	249.7	201.2	159.1	121.7	93.8	70.1	50.0	31.9	22.5	14.2
-57.5°	244.3	197.9	160.0	124.6	98.3	76.6	56.2	38.4	26.3	18.6	14.4
-60°	187.6	153.9	120.8	99.1	79.5	60.1	42.5	28.7	21.9	15.4	14.5
-62.5°	140.6	113.6	96.4	78.8	61.2	44.4	29.9	24.0	17.5	15.2	14.5
-65°	106.1	90.6	74.7	58.8	43.3	31.0	24.9	19.2	16.1	14.8	14.2
-67.5°	81.5	66.8	52.6	38.6	30.9	25.2	19.8	16.9	15.3	14.4	13.7
-70°	54.2	41.8	34.7	29.4	24.2	19.8	17.5	15.6	14.4	13.8	13.1
-72.5°	35.2	30.8	26.3	22.1	20.0	17.9	15.8	14.2	13.7	13.1	12.6
-75°	25.8	23.5	21.7	19.9	18.0	16.0	14.4	13.4	12.9	12.5	11.9
-77.5°	22.0	20.5	19.1	17.5	15.7	14.3	13.2	12.6	12.2	11.8	11.3
-80°	18.1	16.8	15.5	14.1	13.1	12.4	12.1	11.7	11.4	11.1	10.7
-82.5°	14.0	13.1	12.4	11.8	11.6	11.3	11.1	10.9	10.6	10.3	10.1
-85°	11.6	11.2	10.9	10.6	10.5	10.3	10.3	10.3	10.2	10.0	9.7
-87.5°	9.7	9.6	9.5	9.4	9.6	9.8	10.0	10.3	10.0	9.6	9.2
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.8	9.3	9.8	10.3	9.3	8.3
87.5°	8.8	8.7	8.6	8.6	8.5	8.4	8.3
85°	9.3	9.2	9.0	8.8	8.6	8.5	8.3
82.5°	9.8	9.6	9.3	9.1	8.8	8.6	8.3
80°	10.3	10.0	9.7	9.3	9.0	8.6	8.3
77.5°	10.3	10.3	10.0	9.6	9.2	8.7	8.3
75°	10.3	10.3	10.3	9.8	9.3	8.8	8.3
72.5°	10.3	10.3	10.3	10.1	9.5	8.9	8.3
70°	10.3	10.3	10.3	10.3	9.7	9.0	8.3
67.5°	10.3	10.3	10.3	10.3	9.8	9.1	8.3
65°	10.3	10.3	10.3	10.3	10.0	9.1	8.3
62.5°	10.3	10.3	10.3	10.3	10.1	9.2	8.3
60°	10.3	10.3	10.3	10.3	10.3	9.3	8.3
57.5°	10.3	10.3	10.3	10.3	10.3	9.4	8.3
55°	10.3	10.3	10.3	10.3	10.3	9.4	8.3
52.5°	10.3	10.3	10.3	10.3	10.3	9.5	8.3
50°	10.3	10.3	10.3	10.3	10.3	9.6	8.3
47.5°	10.3	10.3	10.3	10.3	10.3	9.7	8.3
45°	10.5	10.3	10.3	10.3	10.3	9.7	8.3
42.5°	10.7	10.3	10.3	10.3	10.3	9.8	8.3
40°	10.9	10.3	10.3	10.3	10.3	9.8	8.3
37.5°	11.2	10.3	10.3	10.3	10.3	9.9	8.3
35°	11.5	10.4	10.3	10.3	10.3	9.9	8.3
32.5°	11.7	10.7	10.3	10.3	10.3	10.0	8.3
30°	11.8	10.9	10.3	10.3	10.3	10.0	8.3
27.5°	12.0	11.1	10.3	10.3	10.3	10.1	8.3
25°	12.1	11.4	10.3	10.3	10.3	10.1	8.3
22.5°	12.2	11.6	10.3	10.3	10.3	10.1	8.3
20°	12.4	11.8	10.3	10.3	10.3	10.2	8.3
17.5°	12.5	11.9	10.3	10.3	10.3	10.2	8.3
15°	12.7	12.0	10.3	10.3	10.3	10.2	8.3
12.5°	13.0	12.1	10.3	10.3	10.3	10.3	8.3
10°	13.2	12.2	10.3	10.3	10.3	10.3	8.3
7.5°	13.5	12.3	10.3	10.3	10.3	10.3	8.3
5°	13.8	12.4	10.3	10.3	10.3	10.3	8.3
2.5°	14.1	12.4	10.3	10.3	10.3	10.3	8.3
0°	14.4	12.4	10.3	10.3	10.3	10.3	8.3
-2.5°	15.8	12.6	10.3	10.3	10.3	10.3	8.3
-5°	17.1	12.8	10.3	10.3	10.3	10.3	8.3
-7.5°	18.3	12.9	10.3	10.3	10.3	10.3	8.3
-10°	19.3	13.1	10.3	10.3	10.3	10.3	8.3
-12.5°	20.2	13.1	10.3	10.3	10.3	10.3	8.3
-15°	20.8	13.1	10.3	10.3	10.3	10.2	8.3
-17.5°	21.2	13.1	10.3	10.3	10.3	10.2	8.3
-20°	21.6	13.0	10.3	10.3	10.3	10.2	8.3



REPORT NUMBER: P731728 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.0	12.8	10.3	10.3	10.3	10.2	8.3
-25°	22.1	12.8	10.3	10.3	10.3	10.2	8.3
-27.5°	21.8	12.8	10.3	10.3	10.3	10.1	8.3
-30°	21.0	12.6	10.3	10.3	10.3	10.1	8.3
-32.5°	19.7	12.3	10.5	10.3	10.3	10.1	8.3
-35°	19.0	11.8	10.6	10.3	10.3	10.0	8.3
-37.5°	18.4	11.4	10.8	10.3	10.3	10.0	8.3
-40°	17.5	11.6	10.9	10.3	10.3	10.0	8.3
-42.5°	16.3	11.7	11.0	10.3	10.3	10.0	8.3
-45°	14.8	11.9	11.1	10.4	10.3	9.9	8.3
-47.5°	13.1	12.1	11.1	10.4	10.3	9.9	8.3
-50°	13.0	12.2	11.2	10.4	10.3	9.9	8.3
-52.5°	13.2	12.3	11.2	10.5	10.3	9.8	8.3
-55°	13.3	12.3	11.2	10.5	10.3	9.8	8.3
-57.5°	13.5	12.2	11.1	10.5	10.3	9.8	8.3
-60°	13.6	12.1	11.1	10.5	10.3	9.7	8.3
-62.5°	13.3	11.9	11.0	10.4	10.3	9.7	8.3
-65°	13.0	11.8	10.9	10.4	10.3	9.7	8.3
-67.5°	12.7	11.5	10.8	10.4	10.3	9.6	8.3
-70°	12.3	11.3	10.6	10.3	10.3	9.6	8.3
-72.5°	11.8	11.0	10.5	10.3	10.3	9.6	8.3
-75°	11.4	10.7	10.3	10.2	10.3	9.5	8.3
-77.5°	10.9	10.4	10.2	10.1	10.3	9.5	8.3
-80°	10.4	10.1	10.0	10.1	10.3	9.5	8.3
-82.5°	9.9	9.8	9.8	10.0	10.3	9.4	8.3
-85°	9.3	9.5	9.7	9.9	10.3	9.4	8.3
-87.5°	8.8	9.1	9.5	9.9	10.3	9.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

