

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: P731440 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-4S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731440 (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-08-0320N-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

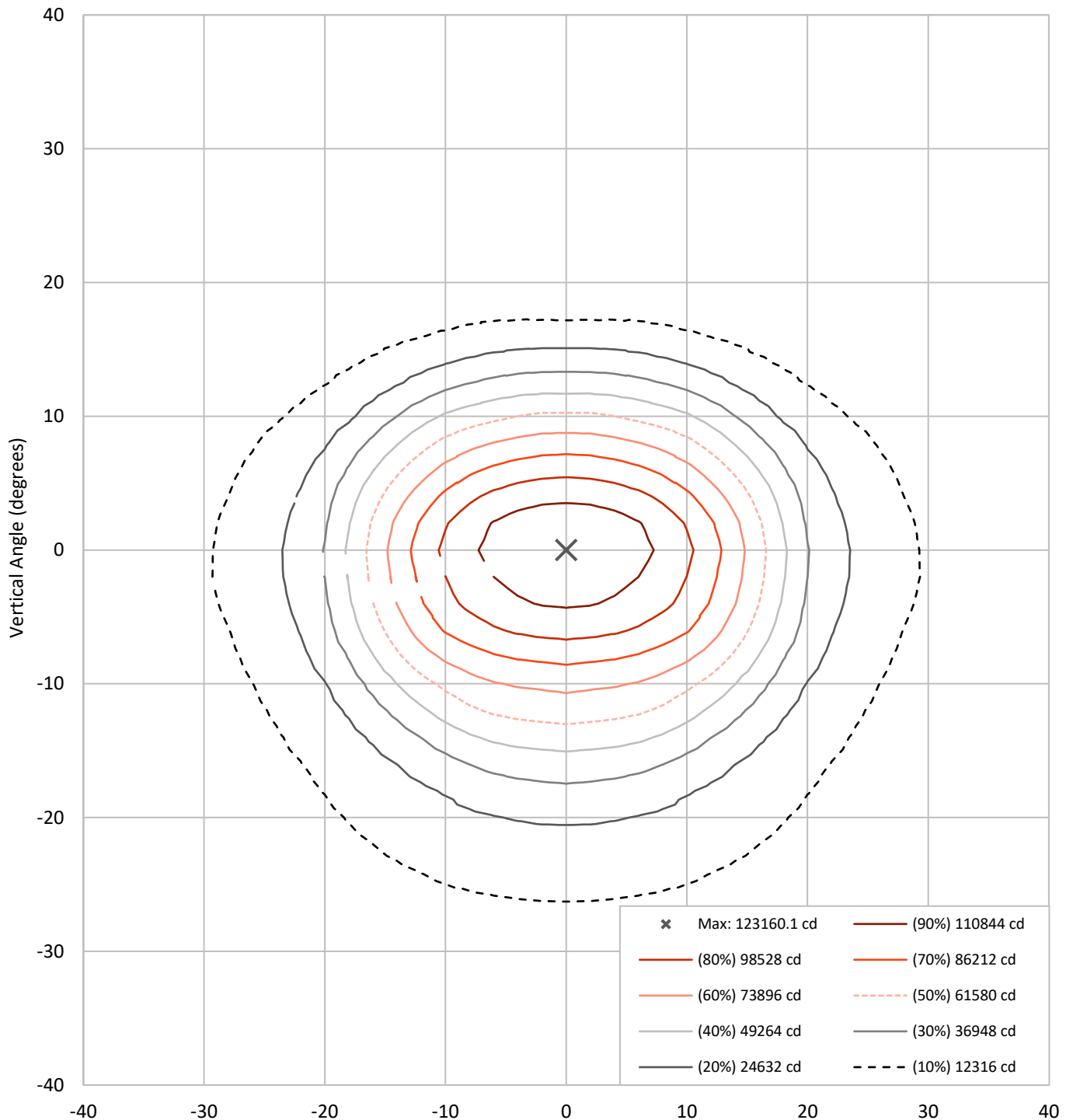
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	32512.1 lumens	Max Intensity:	123160.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.0 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:	16450.1 lumens	Field Lumens:	28038.9 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

Input Watts (W): 345.8
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





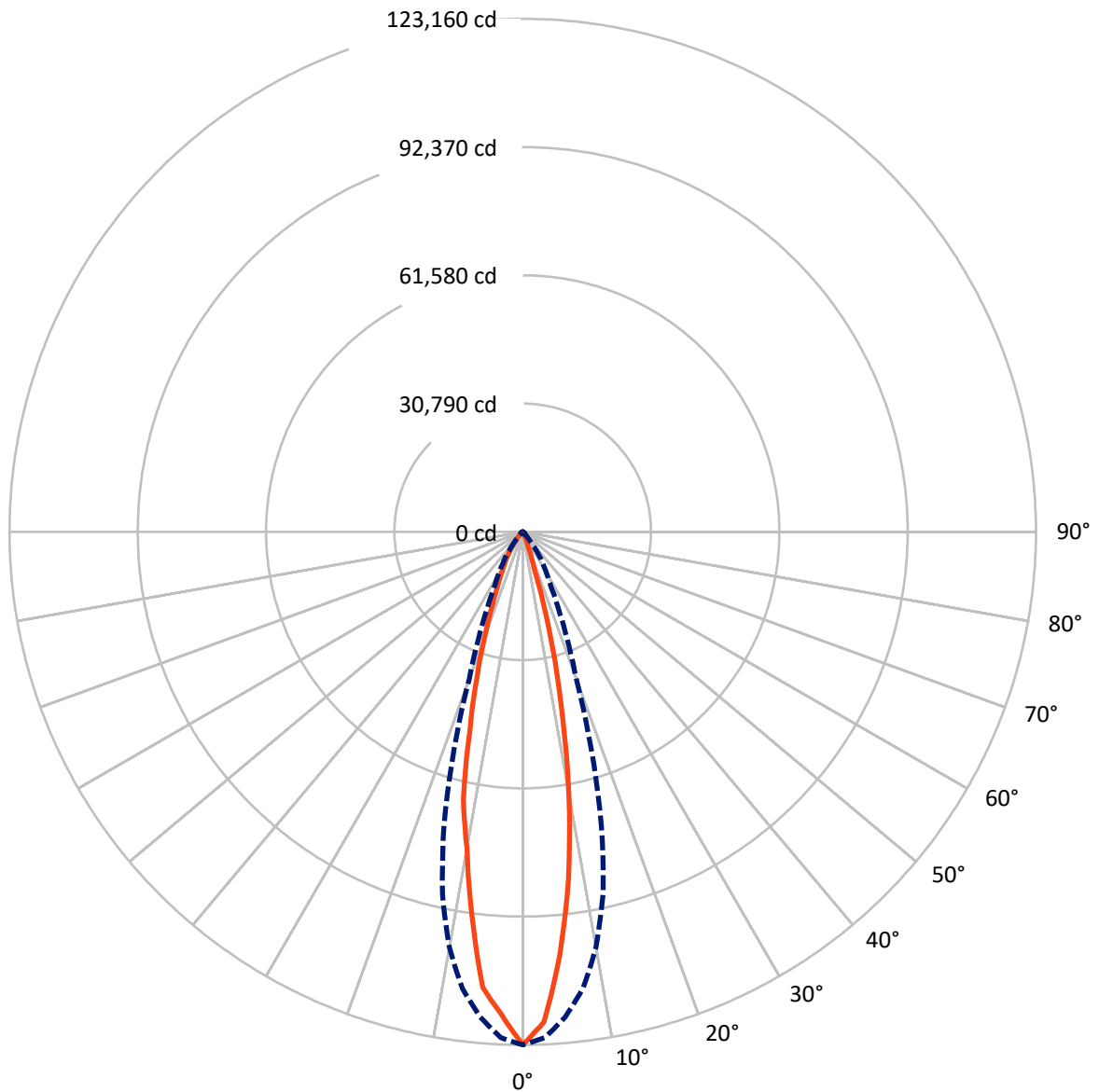
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Lumen Table

90																			
80	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3	0.1				
70																			
60	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1			
50		0.1	0.2	0.5	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.2	0.1				
40	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.1			
30		0.1	0.3	0.5	0.7	1.4	2.5	3.7	3.7	2.5	1.4	0.7	0.5	0.3	0.1				
20	0.1	0.2	0.9	1.8	4.9	13.6	28.1	46.7	46.7	28.1	13.6	4.9	1.8	0.9	0.2	0.1			
10		0.5	2.8	7.3	43.9	137.1	417.7	780.7	780.7	417.7	137.1	43.9	7.3	2.8	0.5				
0	0.2	1.0	5.6	18.5	136.2	479.8	1661.1	2826.8	2826.8	1661.1	479.8	136.2	18.5	5.6	1.0	0.2			
-10		1.4	7.0	22.2	151.8	529.4	1829.6	3003.5	3003.5	1829.6	529.4	151.8	22.2	7.0	1.4				
-20	0.3	1.5	6.2	15.6	89.9	291.8	809.7	1423.0	1423.0	809.7	291.8	89.9	15.6	6.2	1.5	0.3			
-30		1.4	5.2	10.4	37.6	145.8	300.6	437.7	437.7	300.6	145.8	37.6	10.4	5.2	1.4				
-40	0.2	1.2	4.4	8.1	15.2	45.4	103.1	146.3	146.3	103.1	45.4	15.2	8.1	4.4	1.2	0.2			
-50		0.8	3.1	6.7	10.9	16.2	23.5	30.8	30.8	23.5	16.2	10.9	6.7	3.1	0.8				
-60	0.2	0.4	1.6	4.3	7.7	10.7	13.1	14.7	14.7	13.1	10.7	7.7	4.3	1.6	0.4	0.2			
-70		0.2	0.6	1.6	3.2	5.2	6.9	8.0	8.0	6.9	5.2	3.2	1.6	0.6	0.2				
-80	0.1	0.5		1.5		4.0		5.7		4.0		1.5		0.5	0.1				
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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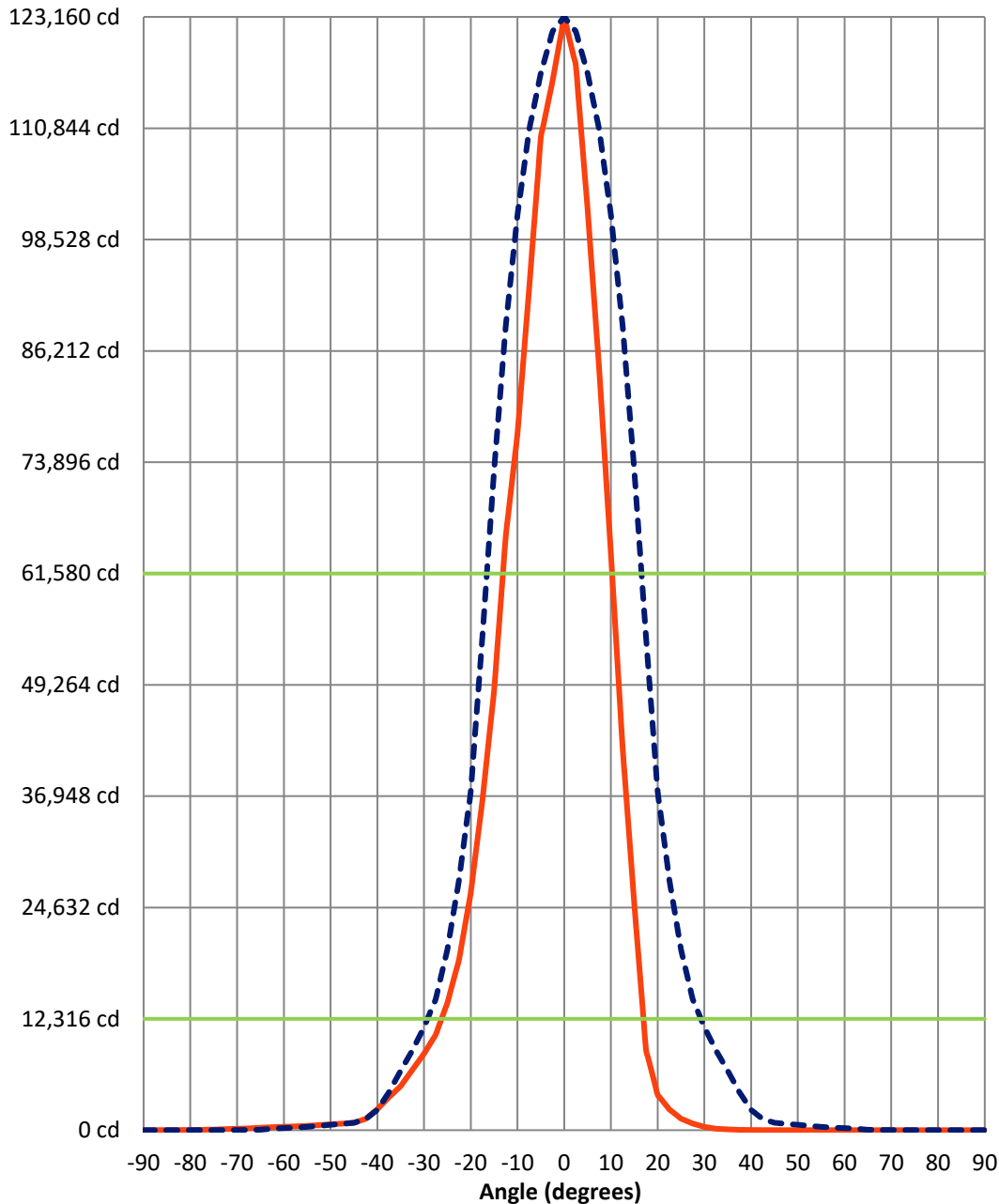
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 16450.1
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 28038.9
 Efficiency: 86.2%

Spill:
 Lumens: 4473.2
 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°	4.5	5.0	5.6	5.3	5.1	4.8	4.5	4.8	5.1	5.3	5.6
87.5°	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.7	4.7	4.6	4.5
85°	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.0	4.9	4.7	4.5
82.5°	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.3	5.1	4.9	4.8
80°	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.4	5.3	5.2	5.3
77.5°	4.5	4.7	5.0	5.2	5.4	5.6	5.6	5.5	5.4	5.5	5.6
75°	4.5	4.8	5.1	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
72.5°	4.5	4.8	5.2	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
70°	4.5	4.9	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
67.5°	4.5	4.9	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	4.5	5.0	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	4.5	5.0	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	4.5	5.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
57.5°	4.5	5.1	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
55°	4.5	5.1	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
52.5°	4.5	5.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
50°	4.5	5.2	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	6.1
47.5°	4.5	5.2	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	6.6
45°	4.5	5.3	5.6	5.6	5.6	5.6	5.7	5.8	5.7	6.0	7.0
42.5°	4.5	5.3	5.6	5.6	5.6	5.6	5.8	5.9	5.7	6.3	7.3
40°	4.5	5.3	5.6	5.6	5.6	5.6	5.9	6.0	5.9	6.5	7.6
37.5°	4.5	5.4	5.6	5.6	5.6	5.6	6.1	6.1	6.2	6.9	7.8
35°	4.5	5.4	5.6	5.6	5.6	5.7	6.2	6.1	6.5	7.4	8.0
32.5°	4.5	5.4	5.6	5.6	5.6	5.8	6.3	6.2	6.8	8.1	8.8
30°	4.5	5.5	5.6	5.6	5.6	5.9	6.4	6.3	7.1	8.8	9.8
27.5°	4.5	5.5	5.6	5.6	5.6	6.0	6.5	6.6	7.5	9.6	10.9
25°	4.5	5.5	5.6	5.6	5.6	6.2	6.5	6.8	8.2	10.5	12.1
22.5°	4.5	5.5	5.6	5.6	5.6	6.3	6.6	7.0	8.8	11.5	14.5
20°	4.5	5.5	5.6	5.6	5.6	6.4	6.7	7.2	9.5	12.5	17.0
17.5°	4.5	5.5	5.6	5.6	5.6	6.4	6.8	7.5	10.3	13.6	19.6
15°	4.5	5.6	5.6	5.6	5.6	6.5	6.9	7.8	11.0	14.7	22.3
12.5°	4.5	5.6	5.6	5.6	5.6	6.6	7.0	8.3	12.0	15.8	25.0
10°	4.5	5.6	5.6	5.6	5.6	6.6	7.2	8.9	13.3	18.1	28.6
7.5°	4.5	5.6	5.6	5.6	5.6	6.7	7.4	9.5	14.6	20.6	34.0
5°	4.5	5.6	5.6	5.6	5.6	6.7	7.6	10.1	15.8	23.2	39.3
2.5°	4.5	5.6	5.6	5.6	5.6	6.7	7.7	10.7	16.9	25.7	44.5
0°	4.5	5.6	5.6	5.6	5.6	6.7	7.9	11.2	18.0	28.1	49.4
-2.5°	4.5	5.6	5.6	5.6	5.6	6.8	8.6	12.8	21.2	34.0	58.3
-5°	4.5	5.6	5.6	5.6	5.6	6.9	9.3	14.3	24.2	39.6	66.7
-7.5°	4.5	5.6	5.6	5.6	5.6	7.0	10.0	15.7	27.0	44.8	74.3
-10°	4.5	5.6	5.6	5.6	5.6	7.1	10.6	16.9	29.4	49.3	80.9
-12.5°	4.5	5.6	5.6	5.6	5.6	7.1	11.0	18.0	31.5	53.3	86.8
-15°	4.5	5.6	5.6	5.6	5.6	7.2	11.4	18.9	33.4	57.0	91.7
-17.5°	4.5	5.6	5.6	5.6	5.6	7.1	11.6	19.8	35.2	59.9	95.3
-20°	4.5	5.5	5.6	5.6	5.6	7.1	11.8	20.6	36.3	61.8	97.6



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 CATALOG NUMBER: EPH-LS-08-0320N-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°	4.5	5.5	5.6	5.6	5.6	7.0	12.0	21.2	36.7	62.6	98.4
-25°	4.5	5.5	5.6	5.6	5.6	7.0	12.1	21.5	36.3	62.3	97.7
-27.5°	4.5	5.5	5.6	5.6	5.6	7.0	11.9	21.4	35.1	61.2	97.1
-30°	4.5	5.5	5.6	5.6	5.6	6.9	11.5	21.1	34.3	59.8	95.1
-32.5°	4.5	5.5	5.6	5.6	5.7	6.7	10.8	20.5	33.8	57.1	91.3
-35°	4.5	5.5	5.6	5.6	5.8	6.4	10.4	19.7	32.8	53.3	86.0
-37.5°	4.5	5.4	5.6	5.6	5.9	6.2	10.0	18.5	31.3	48.3	77.5
-40°	4.5	5.4	5.6	5.6	5.9	6.3	9.5	16.9	29.3	45.0	68.9
-42.5°	4.5	5.4	5.6	5.6	6.0	6.4	8.9	15.0	27.1	41.3	59.8
-45°	4.5	5.4	5.6	5.6	6.0	6.5	8.1	13.2	24.4	37.0	50.7
-47.5°	4.5	5.4	5.6	5.7	6.1	6.6	7.2	12.1	21.1	32.3	45.4
-50°	4.5	5.4	5.6	5.7	6.1	6.7	7.1	10.8	17.0	27.6	39.5
-52.5°	4.5	5.3	5.6	5.7	6.1	6.7	7.2	9.3	14.3	22.6	33.2
-55°	4.5	5.3	5.6	5.7	6.1	6.7	7.3	7.8	12.3	17.4	27.3
-57.5°	4.5	5.3	5.6	5.7	6.0	6.7	7.4	7.9	10.1	14.3	21.0
-60°	4.5	5.3	5.6	5.7	6.0	6.6	7.4	7.9	8.4	12.0	15.7
-62.5°	4.5	5.3	5.6	5.7	6.0	6.5	7.3	7.9	8.3	9.6	13.1
-65°	4.5	5.3	5.6	5.7	5.9	6.4	7.1	7.8	8.1	8.8	10.4
-67.5°	4.5	5.2	5.6	5.6	5.8	6.3	6.9	7.5	7.9	8.4	9.2
-70°	4.5	5.2	5.6	5.6	5.8	6.1	6.6	7.1	7.5	7.9	8.5
-72.5°	4.5	5.2	5.6	5.6	5.7	6.0	6.4	6.8	7.1	7.5	7.8
-75°	4.5	5.2	5.6	5.5	5.6	5.8	6.2	6.5	6.7	7.0	7.3
-77.5°	4.5	5.2	5.6	5.5	5.5	5.7	5.9	6.1	6.4	6.6	6.8
-80°	4.5	5.1	5.6	5.5	5.4	5.5	5.6	5.8	6.0	6.2	6.4
-82.5°	4.5	5.1	5.6	5.4	5.3	5.3	5.4	5.5	5.6	5.8	5.9
-85°	4.5	5.1	5.6	5.4	5.2	5.1	5.1	5.3	5.4	5.5	5.6
-87.5°	4.5	5.1	5.6	5.4	5.1	5.0	4.8	5.0	5.2	5.4	5.6
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



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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°	5.3	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.2	4.2
82.5°	4.8	4.8	4.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	5.2	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	5.4	5.1	4.8	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	5.4	5.1	4.9	4.6	4.5	4.5	4.5	4.7	4.9	4.9	4.8
72.5°	5.4	5.2	4.9	4.6	4.7	5.0	5.3	5.5	5.8	5.9	6.1
70°	5.5	5.2	5.1	5.2	5.4	5.7	6.2	6.8	7.5	7.9	8.5
67.5°	5.5	5.4	5.4	5.7	6.0	6.6	7.3	8.8	10.4	11.3	12.1
65°	5.6	5.6	5.7	6.1	6.6	8.1	9.8	11.6	14.3	15.9	16.6
62.5°	5.6	5.7	6.0	6.8	8.4	10.1	12.5	15.5	19.3	21.8	22.0
60°	5.6	5.7	6.7	8.3	10.1	12.2	15.3	19.5	25.0	29.1	26.6
57.5°	5.6	6.3	7.8	9.6	11.5	14.0	18.0	23.3	28.6	34.1	29.3
55°	5.9	7.2	8.8	10.5	12.7	15.4	19.6	24.1	29.8	31.5	26.0
52.5°	6.7	8.0	9.3	11.2	13.6	16.0	18.7	22.6	24.4	24.7	20.6
50°	7.3	8.3	9.6	11.6	14.0	15.8	16.3	18.6	18.8	17.0	14.8
47.5°	7.7	8.7	9.7	11.9	14.1	15.1	14.8	14.2	13.1	12.1	9.4
45°	8.0	9.0	9.9	12.1	14.0	14.3	13.0	10.3	10.7	9.5	8.9
42.5°	8.3	9.3	10.8	12.5	13.7	13.5	11.7	10.8	10.1	9.9	9.6
40°	8.6	9.6	11.9	13.4	13.7	13.3	13.3	12.7	10.9	11.7	11.8
37.5°	8.8	10.7	13.4	15.7	14.1	14.8	15.9	16.1	15.2	14.8	16.4
35°	9.1	11.9	16.4	18.9	17.5	18.0	20.1	21.0	21.2	21.1	22.3
32.5°	9.8	13.2	20.3	22.8	23.5	23.8	25.3	27.5	29.9	31.0	29.7
30°	11.4	16.8	24.9	27.5	30.4	34.6	33.7	35.3	40.8	43.1	45.2
27.5°	14.0	21.6	29.5	33.9	39.1	48.7	52.1	48.6	53.3	57.8	64.6
25°	16.9	33.8	34.6	41.2	52.9	67.3	76.5	80.4	70.0	77.8	95.9
22.5°	23.4	49.6	52.8	49.0	68.9	90.1	108.2	117.9	116.7	109.1	133.5
20°	35.0	65.7	74.1	75.7	90.9	116.3	144.5	161.0	176.6	203.7	275.1
17.5°	48.6	83.4	96.8	110.4	137.9	160.5	184.6	209.1	246.1	326.9	569.1
15°	63.6	102.6	120.5	148.0	189.0	226.8	256.2	278.2	343.5	512.9	941.1
12.5°	79.7	122.7	144.9	187.9	242.9	296.5	338.2	382.5	492.4	825.5	1532.7
10°	96.2	143.5	169.8	229.1	298.5	368.4	422.5	489.1	660.9	1179.3	2178.4
7.5°	114.5	165.7	195.1	270.8	354.9	441.3	508.0	596.6	832.9	1537.0	2828.1
5°	132.3	188.9	222.1	306.7	402.2	505.3	587.7	702.9	1003.1	1883.6	3459.4
2.5°	148.6	211.4	248.6	339.6	442.0	554.0	642.2	766.5	1120.9	2111.3	3924.2
0°	163.0	232.6	274.2	369.7	478.7	599.0	693.4	824.9	1216.0	2248.7	4201.9
-2.5°	168.5	240.8	284.7	377.4	483.8	606.6	702.8	830.0	1245.2	2304.4	4242.8
-5°	171.6	247.1	293.9	382.3	485.6	609.6	708.3	829.9	1237.9	2256.2	4043.4
-7.5°	172.6	251.3	301.7	383.0	476.4	590.0	680.7	786.3	1140.3	2056.7	3613.4
-10°	171.5	250.7	299.4	368.9	452.7	555.6	643.5	738.7	1027.8	1806.5	3135.2
-12.5°	168.4	246.1	294.9	354.0	428.0	518.7	604.6	688.0	902.9	1508.7	2642.8
-15°	164.2	240.7	290.2	338.8	403.2	479.9	564.3	634.8	772.9	1190.9	2153.9
-17.5°	159.2	234.7	285.6	323.9	378.9	439.7	525.0	590.3	677.0	988.3	1760.6
-20°	153.6	228.3	281.1	309.7	356.3	409.3	487.2	553.5	626.8	828.6	1338.8



REPORT NUMBER: P731440 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	147.9	221.7	274.7	301.9	341.4	388.3	449.1	514.6	575.8	652.3	980.7
-25°	145.0	212.2	265.2	296.5	327.6	367.9	412.3	473.8	528.4	601.9	791.4
-27.5°	143.6	203.2	253.9	290.5	314.0	349.3	386.1	433.5	496.1	561.0	629.8
-30°	140.2	189.9	242.3	282.1	305.4	334.1	364.9	405.2	465.1	525.0	585.7
-32.5°	132.0	175.7	227.4	268.7	297.6	319.9	349.8	386.7	434.8	489.8	544.3
-35°	121.3	163.3	210.5	255.3	288.6	310.2	337.4	369.1	406.7	456.1	514.3
-37.5°	110.7	149.5	192.9	239.3	274.1	302.6	324.3	353.1	385.7	424.9	482.2
-40°	98.8	134.3	175.8	219.4	260.2	291.5	315.6	337.4	365.6	404.0	445.1
-42.5°	86.1	119.9	157.9	198.7	239.2	275.1	305.8	326.4	350.3	383.6	421.0
-45°	75.3	104.2	138.9	176.4	214.6	254.1	286.8	316.7	338.6	363.8	397.1
-47.5°	63.9	88.3	119.9	152.8	188.7	225.8	263.9	295.6	326.5	349.5	373.1
-50°	53.2	75.1	99.4	129.8	161.6	196.1	231.6	269.2	301.6	331.4	357.1
-52.5°	46.0	61.2	82.7	106.8	135.3	165.2	198.5	233.0	268.6	302.5	329.2
-55°	38.2	51.1	66.2	86.7	109.6	136.0	164.6	196.3	227.7	260.9	291.4
-57.5°	30.7	41.7	53.5	67.8	87.2	107.8	133.1	159.4	188.2	216.6	240.8
-60°	23.2	32.8	43.3	54.0	65.8	83.8	102.2	124.4	148.8	172.4	193.7
-62.5°	16.4	24.2	33.4	42.9	52.5	61.8	76.6	93.2	109.9	129.8	148.4
-65°	13.6	16.9	23.6	32.1	40.7	49.4	57.8	66.0	79.9	93.9	107.0
-67.5°	10.7	13.7	16.8	21.0	28.6	36.4	44.4	51.9	59.2	66.3	74.5
-70°	9.5	10.8	13.2	16.0	18.9	22.7	29.5	36.5	43.7	51.0	57.2
-72.5°	8.6	9.8	10.9	12.0	14.4	16.8	19.2	21.5	26.0	32.2	38.5
-75°	7.9	8.8	9.8	10.8	11.8	12.8	14.1	16.1	18.2	20.3	22.4
-77.5°	7.2	7.8	8.5	9.5	10.4	11.1	12.0	12.9	13.8	14.9	16.0
-80°	6.5	6.7	7.1	7.6	8.4	9.1	9.9	10.6	11.2	12.0	12.7
-82.5°	6.0	6.1	6.3	6.4	6.7	7.1	7.6	8.3	8.6	9.0	9.5
-85°	5.6	5.6	5.7	5.8	5.9	6.1	6.3	6.5	6.7	6.8	6.9
-87.5°	5.5	5.3	5.2	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.4
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7



REPORT NUMBER: P731440 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.5	5.1	5.6	6.1	6.7	7.3	7.8	8.4	9.0	9.6	10.1
87.5°	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5	2.2	1.9	1.7
85°	4.1	4.0	3.8	3.6	3.4	3.1	2.8	2.5	2.2	1.9	1.7
82.5°	4.5	4.2	4.0	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.7
80°	4.5	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.7
77.5°	4.5	4.3	4.0	3.7	3.5	3.2	2.9	2.5	2.2	2.2	2.2
75°	4.6	4.4	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8
72.5°	6.2	6.2	6.0	5.9	5.5	5.3	5.0	4.7	4.4	4.1	3.9
70°	9.2	9.5	9.3	8.6	7.7	6.9	6.4	6.0	5.5	5.0	4.6
67.5°	12.8	12.8	11.9	10.7	9.1	7.7	7.1	6.5	5.9	5.5	5.5
65°	16.6	15.5	13.9	12.1	9.9	7.8	7.2	6.6	5.9	5.6	5.6
62.5°	20.8	17.4	14.0	11.5	9.5	7.8	6.9	6.1	5.4	4.8	4.7
60°	22.3	16.6	11.9	9.9	8.2	6.9	6.0	5.4	4.8	4.5	4.5
57.5°	21.6	14.8	9.6	8.0	6.7	5.9	5.3	4.7	4.2	3.8	3.6
55°	18.4	12.0	7.2	6.2	5.5	4.9	4.4	4.1	3.7	3.4	3.4
52.5°	13.6	9.2	6.5	5.4	5.1	4.8	4.5	4.4	4.3	4.1	4.0
50°	9.9	7.1	6.2	5.5	5.3	5.3	5.5	5.4	5.4	5.2	5.1
47.5°	8.1	7.0	6.3	5.7	5.8	6.3	6.6	6.6	6.5	6.4	6.2
45°	7.8	7.2	6.9	7.2	7.6	7.9	7.9	7.7	8.1	8.2	8.0
42.5°	8.6	8.7	9.4	9.9	9.5	10.2	10.8	10.8	11.3	11.7	11.7
40°	12.1	11.8	13.6	14.0	14.3	14.9	16.9	16.7	17.6	19.9	20.4
37.5°	17.4	18.3	19.5	20.5	23.5	25.5	29.3	32.2	33.8	38.3	41.8
35°	24.5	26.9	27.6	33.5	39.7	45.5	50.7	57.0	59.7	69.8	76.7
32.5°	34.7	39.7	46.5	56.4	68.1	81.9	81.3	102.3	110.0	130.6	154.2
30°	48.5	62.6	85.1	100.7	129.2	151.7	163.0	195.9	240.2	282.4	339.9
27.5°	78.9	108.6	149.2	202.8	230.7	264.6	315.8	355.1	456.0	552.4	623.2
25°	135.7	198.1	274.7	353.8	403.4	447.7	541.4	610.1	753.1	860.5	1013.7
22.5°	259.5	392.7	489.7	548.5	654.7	793.7	861.2	1050.1	1262.2	1533.0	1756.8
20°	437.2	646.9	863.1	995.1	1116.5	1423.3	1557.7	1911.6	2362.5	2872.0	3296.8
17.5°	855.5	1047.1	1487.2	1916.0	2238.6	2541.5	3391.7	3999.1	5177.9	6620.6	7286.0
15°	1535.1	2070.6	2584.1	3361.9	4185.1	5100.9	6435.0	8738.6	11631.8	14786.6	18199.0
12.5°	2488.7	3466.2	4384.8	5363.9	6542.3	8792.5	11834.5	15857.7	21056.2	26633.8	33073.8
10°	3560.0	5047.6	6389.3	7867.5	9959.9	13302.9	17811.8	24018.2	33275.9	42739.0	50947.4
7.5°	4519.3	6321.0	8141.0	10280.6	13597.2	18371.7	24858.7	34549.1	46638.8	58349.6	68334.8
5°	5438.6	7543.4	9617.8	12167.9	16347.9	22579.2	30974.5	44268.6	59552.2	72546.2	83489.6
2.5°	6154.9	8499.9	10873.7	13872.9	18642.0	25731.7	35267.2	51358.0	69804.5	84215.4	96728.5
0°	6565.3	8814.0	11390.9	14498.2	19985.8	27708.5	37487.9	54621.4	72992.3	89007.1	101235.8
-2.5°	6485.0	8841.3	11475.7	14619.2	19820.5	27235.1	36875.4	53219.5	71504.2	85941.4	97790.7
-5°	6075.6	8231.4	10554.0	13311.9	17901.5	24657.6	34123.0	49482.1	66451.3	80891.9	92935.0
-7.5°	5437.1	7343.5	9365.5	11765.9	15647.4	21526.2	29662.4	41621.3	56656.1	69734.8	78761.2
-10°	4740.3	6417.8	8242.5	10414.8	13476.2	18084.8	24249.5	32888.4	45184.9	56083.0	64455.7
-12.5°	4079.7	5604.7	7192.0	9005.9	11323.1	14953.0	19638.3	26087.9	34014.5	42972.9	51525.2
-15°	3446.1	4785.3	6170.5	7849.5	9864.7	12327.4	15477.2	19816.6	25024.3	30895.8	37229.7
-17.5°	2843.0	4018.9	5322.1	6788.2	8453.4	10335.0	12976.6	15952.2	19258.3	23084.0	26711.2
-20°	2230.4	3316.9	4499.4	5804.7	7298.7	9014.0	10893.7	13128.8	15520.7	18134.5	20847.9



REPORT NUMBER: P731440 (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°	1702.3	2628.2	3662.7	4851.0	6253.8	7765.8	9223.7	10690.8	12460.3	14184.3	15915.6
-25°	1192.1	1926.3	2892.3	4028.2	5219.2	6482.9	7565.0	8599.1	9827.9	10933.2	12084.1
-27.5°	876.7	1381.2	2180.0	3187.5	4255.6	5122.5	6033.4	6881.6	7771.5	8472.9	9283.6
-30°	668.5	959.0	1552.6	2338.4	3195.5	3950.8	4653.9	5422.0	6153.6	6762.5	7272.2
-32.5°	609.7	720.4	1020.9	1568.3	2187.8	2858.0	3466.3	4134.9	4748.7	5255.2	5660.9
-35°	573.0	633.0	720.6	997.0	1360.2	1889.3	2396.9	2944.5	3453.2	3871.0	4207.0
-37.5°	541.7	594.4	646.0	698.0	898.1	1121.3	1487.6	1883.9	2227.6	2609.6	2907.9
-40°	502.8	562.0	603.7	646.4	694.5	750.3	943.6	1117.2	1311.5	1581.3	1804.6
-42.5°	460.1	510.1	562.1	603.9	640.9	680.3	724.1	767.5	856.9	970.3	1062.6
-45°	432.2	465.0	502.8	550.3	593.6	626.4	658.9	690.4	720.3	747.1	769.6
-47.5°	402.0	429.9	460.5	493.1	525.2	561.7	595.9	624.5	647.1	668.7	688.1
-50°	375.1	395.7	421.6	446.9	472.2	498.1	523.7	545.7	567.6	587.3	606.5
-52.5°	353.3	370.7	387.8	404.8	425.3	445.3	464.2	481.2	496.7	510.1	524.3
-55°	316.8	338.7	360.4	375.5	388.5	401.0	413.5	427.5	439.8	450.4	460.4
-57.5°	267.1	293.6	317.8	335.5	352.3	368.0	379.0	387.1	394.9	402.3	409.1
-60°	214.3	234.2	257.4	280.1	301.1	320.1	332.4	342.8	351.6	359.0	365.6
-62.5°	165.6	182.6	201.6	219.9	236.8	253.5	269.9	284.0	296.2	306.5	315.0
-65°	120.7	135.6	151.6	167.2	182.1	196.8	210.3	222.6	233.7	243.6	252.8
-67.5°	85.9	96.8	108.5	119.0	130.9	143.8	156.5	167.9	178.0	186.0	192.0
-70°	63.2	69.4	77.1	86.1	95.9	105.2	114.3	123.0	131.4	138.6	145.1
-72.5°	44.9	51.3	57.4	63.1	69.2	75.3	81.5	87.9	94.5	100.0	104.8
-75°	24.6	27.8	32.9	38.0	42.8	47.5	51.7	55.3	58.5	61.1	63.3
-77.5°	17.5	19.6	21.7	23.8	25.8	28.3	30.9	33.4	36.0	38.0	39.9
-80°	13.6	14.7	16.0	17.3	18.7	20.4	22.1	23.9	25.6	26.9	28.0
-82.5°	9.9	10.8	11.6	12.5	13.3	14.4	15.4	16.5	17.5	18.2	18.9
-85°	7.1	7.6	8.2	8.8	9.4	10.4	11.4	12.3	13.2	13.9	14.5
-87.5°	5.4	5.7	6.1	6.4	6.7	7.5	8.4	9.2	10.1	10.4	10.6
-90°	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5	2.2	1.9	1.7



REPORT NUMBER: P731440 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-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°	10.6	11.2	11.2	11.2	11.2	11.2	10.6	10.1	9.6	9.0	8.4
87.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
77.5°	2.2	2.2	1.7	1.1	1.7	2.2	2.2	2.2	2.2	2.2	2.5
75°	2.5	2.2	1.7	1.1	1.7	2.2	2.5	2.8	3.0	3.2	3.4
72.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1	4.4	4.7
70°	4.0	3.5	3.4	3.4	3.4	3.5	4.0	4.6	5.0	5.5	6.0
67.5°	5.5	5.5	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.9	6.5
65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.6
62.5°	4.6	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.8	5.4	6.1
60°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.4
57.5°	3.5	3.5	3.4	3.4	3.4	3.5	3.5	3.6	3.8	4.2	4.7
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.1
52.5°	3.8	3.5	3.4	3.4	3.4	3.5	3.8	4.0	4.1	4.3	4.4
50°	4.8	4.6	4.5	4.5	4.5	4.6	4.8	5.1	5.2	5.4	5.4
47.5°	6.0	5.7	5.6	5.6	5.6	5.7	6.0	6.2	6.4	6.5	6.6
45°	7.6	7.1	6.7	6.7	6.7	7.1	7.6	8.0	8.2	8.1	7.7
42.5°	11.6	11.3	11.1	11.2	11.1	11.3	11.6	11.7	11.7	11.3	10.8
40°	21.3	21.9	22.2	22.5	22.2	21.9	21.3	20.4	19.9	17.6	16.7
37.5°	43.8	43.0	41.1	41.6	41.1	43.0	43.8	41.8	38.3	33.8	32.2
35°	81.3	86.2	89.6	92.2	89.6	86.2	81.3	76.7	69.8	59.7	57.0
32.5°	162.9	169.6	167.6	164.1	167.6	169.6	162.9	154.2	130.6	110.0	102.3
30°	373.9	393.4	388.1	365.2	388.1	393.4	373.9	339.9	282.4	240.2	195.9
27.5°	674.0	721.1	751.8	736.1	751.8	721.1	674.0	623.2	552.4	456.0	355.1
25°	1145.9	1237.4	1302.9	1275.5	1302.9	1237.4	1145.9	1013.7	860.5	753.1	610.1
22.5°	2037.4	2187.7	2277.0	2300.4	2277.0	2187.7	2037.4	1756.8	1533.0	1262.2	1050.1
20°	3831.0	3950.9	3974.7	3915.3	3974.7	3950.9	3831.0	3296.8	2872.0	2362.5	1911.6
17.5°	9218.0	9771.6	9365.7	8939.9	9365.7	9771.6	9218.0	7286.0	6620.6	5177.9	3999.1
15°	21086.5	23424.6	24756.5	25028.3	24756.5	23424.6	21086.5	18199.0	14786.6	11631.8	8738.6
12.5°	37155.7	40923.6	42478.5	42333.2	42478.5	40923.6	37155.7	33073.8	26633.8	21056.2	15857.7
10°	56212.8	60241.1	63707.1	63742.2	63707.1	60241.1	56212.8	50947.4	42739.0	33275.9	24018.2
7.5°	75265.5	79911.3	83172.0	84102.3	83172.0	79911.3	75265.5	68334.8	58349.6	46638.8	34549.1
5°	91945.0	97696.6	100933.8	101922.4	100933.8	97696.6	91945.0	83489.6	72546.2	59552.2	44268.6
2.5°	106609.6	113655.6	117206.0	117758.0	117206.0	113655.6	106609.6	96728.5	84215.4	69804.5	51358.0
0°	110644.3	116925.2	121523.3	123160.1	121523.3	116925.2	110644.3	101235.8	89007.1	72992.3	54621.4
-2.5°	106666.6	112161.7	114902.2	116045.2	114902.2	112161.7	106666.6	97790.7	85941.4	71504.2	53219.5
-5°	100379.2	105507.4	108997.6	109805.9	108997.6	105507.4	100379.2	92935.0	80891.9	66451.3	49482.1
-7.5°	84714.6	89762.2	91330.5	93108.4	91330.5	89762.2	84714.6	78761.2	69734.8	56656.1	41621.3
-10°	70780.7	74707.5	75787.4	77047.0	75787.4	74707.5	70780.7	64455.7	56083.0	45184.9	32888.4
-12.5°	58565.0	62454.5	64215.3	65722.3	64215.3	62454.5	58565.0	51525.2	42972.9	34014.5	26087.9
-15°	42906.8	46562.5	47825.2	48640.5	47825.2	46562.5	42906.8	37229.7	30895.8	25024.3	19816.6
-17.5°	31080.9	33865.1	35519.5	36478.7	35519.5	33865.1	31080.9	26711.2	23084.0	19258.3	15952.2
-20°	23232.9	24828.4	26110.0	26251.0	26110.0	24828.4	23232.9	20847.9	18134.5	15520.7	13128.8



REPORT NUMBER: P731440 (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°	17366.2	18316.5	18906.6	18870.9	18906.6	18316.5	17366.2	15915.6	14184.3	12460.3	10690.8
-25°	12961.8	13600.7	14007.1	14080.2	14007.1	13600.7	12961.8	12084.1	10933.2	9827.9	8599.1
-27.5°	9863.9	10313.8	10546.8	10559.3	10546.8	10313.8	9863.9	9283.6	8472.9	7771.5	6881.6
-30°	7642.1	8016.8	8265.3	8455.5	8265.3	8016.8	7642.1	7272.2	6762.5	6153.6	5422.0
-32.5°	6001.8	6321.6	6538.5	6667.5	6538.5	6321.6	6001.8	5660.9	5255.2	4748.7	4134.9
-35°	4499.6	4755.7	4908.9	4870.6	4908.9	4755.7	4499.6	4207.0	3871.0	3453.2	2944.5
-37.5°	3170.6	3387.7	3542.2	3640.0	3542.2	3387.7	3170.6	2907.9	2609.6	2227.6	1883.9
-40°	1997.8	2148.0	2254.8	2322.9	2254.8	2148.0	1997.8	1804.6	1581.3	1311.5	1117.2
-42.5°	1137.8	1193.9	1231.7	1251.9	1231.7	1193.9	1137.8	1062.6	970.3	856.9	767.5
-45°	786.9	801.0	811.1	817.0	811.1	801.0	786.9	769.6	747.1	720.3	690.4
-47.5°	703.2	714.7	722.2	726.0	722.2	714.7	703.2	688.1	668.7	647.1	624.5
-50°	623.8	637.9	646.4	649.6	646.4	637.9	623.8	606.5	587.3	567.6	545.7
-52.5°	537.6	549.0	556.7	560.8	556.7	549.0	537.6	524.3	510.1	496.7	481.2
-55°	469.1	476.4	480.1	481.0	480.1	476.4	469.1	460.4	450.4	439.8	427.5
-57.5°	414.9	419.6	423.3	425.9	423.3	419.6	414.9	409.1	402.3	394.9	387.1
-60°	370.9	374.9	377.0	377.6	377.0	374.9	370.9	365.6	359.0	351.6	342.8
-62.5°	321.6	326.4	330.1	332.6	330.1	326.4	321.6	315.0	306.5	296.2	284.0
-65°	261.1	268.4	272.3	274.2	272.3	268.4	261.1	252.8	243.6	233.7	222.6
-67.5°	196.8	200.5	201.4	201.2	201.4	200.5	196.8	192.0	186.0	178.0	167.9
-70°	151.1	156.6	158.7	159.6	158.7	156.6	151.1	145.1	138.6	131.4	123.0
-72.5°	109.2	113.1	115.4	116.9	115.4	113.1	109.2	104.8	100.0	94.5	87.9
-75°	65.2	66.8	67.8	68.6	67.8	66.8	65.2	63.3	61.1	58.5	55.3
-77.5°	41.7	43.5	44.3	45.0	44.3	43.5	41.7	39.9	38.0	36.0	33.4
-80°	29.1	30.1	30.3	30.3	30.3	30.1	29.1	28.0	26.9	25.6	23.9
-82.5°	19.5	20.1	20.2	20.2	20.2	20.1	19.5	18.9	18.2	17.5	16.5
-85°	15.1	15.7	15.7	15.7	15.7	15.7	15.1	14.5	13.9	13.2	12.3
-87.5°	10.9	11.2	11.8	12.4	11.8	11.2	10.9	10.6	10.4	10.1	9.2
-90°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	1.9	2.2	2.5



REPORT NUMBER: P731440 (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°
90°	7.8	7.3	6.7	6.1	5.6	5.1	4.5	4.5	4.5	4.5	4.5
87.5°	2.8	3.1	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5
85°	2.8	3.1	3.4	3.6	3.8	4.0	4.1	4.2	4.2	4.4	4.5
82.5°	2.8	3.1	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5	4.5
80°	2.8	3.1	3.4	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5
77.5°	2.9	3.2	3.5	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5
75°	3.6	3.8	4.0	4.2	4.4	4.4	4.6	4.8	4.9	4.9	4.7
72.5°	5.0	5.3	5.5	5.9	6.0	6.2	6.2	6.1	5.9	5.8	5.5
70°	6.4	6.9	7.7	8.6	9.3	9.5	9.2	8.5	7.9	7.5	6.8
67.5°	7.1	7.7	9.1	10.7	11.9	12.8	12.8	12.1	11.3	10.4	8.8
65°	7.2	7.8	9.9	12.1	13.9	15.5	16.6	16.6	15.9	14.3	11.6
62.5°	6.9	7.8	9.5	11.5	14.0	17.4	20.8	22.0	21.8	19.3	15.5
60°	6.0	6.9	8.2	9.9	11.9	16.6	22.3	26.6	29.1	25.0	19.5
57.5°	5.3	5.9	6.7	8.0	9.6	14.8	21.6	29.3	34.1	28.6	23.3
55°	4.4	4.9	5.5	6.2	7.2	12.0	18.4	26.0	31.5	29.8	24.1
52.5°	4.5	4.8	5.1	5.4	6.5	9.2	13.6	20.6	24.7	24.4	22.6
50°	5.5	5.3	5.3	5.5	6.2	7.1	9.9	14.8	17.0	18.8	18.6
47.5°	6.6	6.3	5.8	5.7	6.3	7.0	8.1	9.4	12.1	13.1	14.2
45°	7.9	7.9	7.6	7.2	6.9	7.2	7.8	8.9	9.5	10.7	10.3
42.5°	10.8	10.2	9.5	9.9	9.4	8.7	8.6	9.6	9.9	10.1	10.8
40°	16.9	14.9	14.3	14.0	13.6	11.8	12.1	11.8	11.7	10.9	12.7
37.5°	29.3	25.5	23.5	20.5	19.5	18.3	17.4	16.4	14.8	15.2	16.1
35°	50.7	45.5	39.7	33.5	27.6	26.9	24.5	22.3	21.1	21.2	21.0
32.5°	81.3	81.9	68.1	56.4	46.5	39.7	34.7	29.7	31.0	29.9	27.5
30°	163.0	151.7	129.2	100.7	85.1	62.6	48.5	45.2	43.1	40.8	35.3
27.5°	315.8	264.6	230.7	202.8	149.2	108.6	78.9	64.6	57.8	53.3	48.6
25°	541.4	447.7	403.4	353.8	274.7	198.1	135.7	95.9	77.8	70.0	80.4
22.5°	861.2	793.7	654.7	548.5	489.7	392.7	259.5	133.5	109.1	116.7	117.9
20°	1557.7	1423.3	1116.5	995.1	863.1	646.9	437.2	275.1	203.7	176.6	161.0
17.5°	3391.7	2541.5	2238.6	1916.0	1487.2	1047.1	855.5	569.1	326.9	246.1	209.1
15°	6435.0	5100.9	4185.1	3361.9	2584.1	2070.6	1535.1	941.1	512.9	343.5	278.2
12.5°	11834.5	8792.5	6542.3	5363.9	4384.8	3466.2	2488.7	1532.7	825.5	492.4	382.5
10°	17811.8	13302.9	9959.9	7867.5	6389.3	5047.6	3560.0	2178.4	1179.3	660.9	489.1
7.5°	24858.7	18371.7	13597.2	10280.6	8141.0	6321.0	4519.3	2828.1	1537.0	832.9	596.6
5°	30974.5	22579.2	16347.9	12167.9	9617.8	7543.4	5438.6	3459.4	1883.6	1003.1	702.9
2.5°	35267.2	25731.7	18642.0	13872.9	10873.7	8499.9	6154.9	3924.2	2111.3	1120.9	766.5
0°	37487.9	27708.5	19985.8	14498.2	11390.9	8814.0	6565.3	4201.9	2248.7	1216.0	824.9
-2.5°	36875.4	27235.1	19820.5	14619.2	11475.7	8841.3	6485.0	4242.8	2304.4	1245.2	830.0
-5°	34123.0	24657.6	17901.5	13311.9	10554.0	8231.4	6075.6	4043.4	2256.2	1237.9	829.9
-7.5°	29662.4	21526.2	15647.4	11765.9	9365.5	7343.5	5437.1	3613.4	2056.7	1140.3	786.3
-10°	24249.5	18084.8	13476.2	10414.8	8242.5	6417.8	4740.3	3135.2	1806.5	1027.8	738.7
-12.5°	19638.3	14953.0	11323.1	9005.9	7192.0	5604.7	4079.7	2642.8	1508.7	902.9	688.0
-15°	15477.2	12327.4	9864.7	7849.5	6170.5	4785.3	3446.1	2153.9	1190.9	772.9	634.8
-17.5°	12976.6	10335.0	8453.4	6788.2	5322.1	4018.9	2843.0	1760.6	988.3	677.0	590.3
-20°	10893.7	9014.0	7298.7	5804.7	4499.4	3316.9	2230.4	1338.8	828.6	626.8	553.5



REPORT NUMBER: P731440 (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°	9223.7	7765.8	6253.8	4851.0	3662.7	2628.2	1702.3	980.7	652.3	575.8	514.6
-25°	7565.0	6482.9	5219.2	4028.2	2892.3	1926.3	1192.1	791.4	601.9	528.4	473.8
-27.5°	6033.4	5122.5	4255.6	3187.5	2180.0	1381.2	876.7	629.8	561.0	496.1	433.5
-30°	4653.9	3950.8	3195.5	2338.4	1552.6	959.0	668.5	585.7	525.0	465.1	405.2
-32.5°	3466.3	2858.0	2187.8	1568.3	1020.9	720.4	609.7	544.3	489.8	434.8	386.7
-35°	2396.9	1889.3	1360.2	997.0	720.6	633.0	573.0	514.3	456.1	406.7	369.1
-37.5°	1487.6	1121.3	898.1	698.0	646.0	594.4	541.7	482.2	424.9	385.7	353.1
-40°	943.6	750.3	694.5	646.4	603.7	562.0	502.8	445.1	404.0	365.6	337.4
-42.5°	724.1	680.3	640.9	603.9	562.1	510.1	460.1	421.0	383.6	350.3	326.4
-45°	658.9	626.4	593.6	550.3	502.8	465.0	432.2	397.1	363.8	338.6	316.7
-47.5°	595.9	561.7	525.2	493.1	460.5	429.9	402.0	373.1	349.5	326.5	295.6
-50°	523.7	498.1	472.2	446.9	421.6	395.7	375.1	357.1	331.4	301.6	269.2
-52.5°	464.2	445.3	425.3	404.8	387.8	370.7	353.3	329.2	302.5	268.6	233.0
-55°	413.5	401.0	388.5	375.5	360.4	338.7	316.8	291.4	260.9	227.7	196.3
-57.5°	379.0	368.0	352.3	335.5	317.8	293.6	267.1	240.8	216.6	188.2	159.4
-60°	332.4	320.1	301.1	280.1	257.4	234.2	214.3	193.7	172.4	148.8	124.4
-62.5°	269.9	253.5	236.8	219.9	201.6	182.6	165.6	148.4	129.8	109.9	93.2
-65°	210.3	196.8	182.1	167.2	151.6	135.6	120.7	107.0	93.9	79.9	66.0
-67.5°	156.5	143.8	130.9	119.0	108.5	96.8	85.9	74.5	66.3	59.2	51.9
-70°	114.3	105.2	95.9	86.1	77.1	69.4	63.2	57.2	51.0	43.7	36.5
-72.5°	81.5	75.3	69.2	63.1	57.4	51.3	44.9	38.5	32.2	26.0	21.5
-75°	51.7	47.5	42.8	38.0	32.9	27.8	24.6	22.4	20.3	18.2	16.1
-77.5°	30.9	28.3	25.8	23.8	21.7	19.6	17.5	16.0	14.9	13.8	12.9
-80°	22.1	20.4	18.7	17.3	16.0	14.7	13.6	12.7	12.0	11.2	10.6
-82.5°	15.4	14.4	13.3	12.5	11.6	10.8	9.9	9.5	9.0	8.6	8.3
-85°	11.4	10.4	9.4	8.8	8.2	7.6	7.1	6.9	6.8	6.7	6.5
-87.5°	8.4	7.5	6.7	6.4	6.1	5.7	5.4	5.4	5.3	5.3	5.3
-90°	2.8	3.1	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5



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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°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.3	5.1	4.8
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	4.9	5.0
82.5°	4.5	4.5	4.5	4.5	4.7	4.8	4.8	4.8	4.9	5.1	5.3
80°	4.5	4.5	4.5	4.5	4.8	5.1	5.2	5.3	5.2	5.3	5.4
77.5°	4.5	4.5	4.5	4.6	4.8	5.1	5.4	5.6	5.5	5.4	5.5
75°	4.5	4.5	4.5	4.6	4.9	5.1	5.4	5.6	5.6	5.6	5.6
72.5°	5.3	5.0	4.7	4.6	4.9	5.2	5.4	5.6	5.6	5.6	5.6
70°	6.2	5.7	5.4	5.2	5.1	5.2	5.5	5.6	5.6	5.6	5.6
67.5°	7.3	6.6	6.0	5.7	5.4	5.4	5.5	5.6	5.6	5.6	5.6
65°	9.8	8.1	6.6	6.1	5.7	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	12.5	10.1	8.4	6.8	6.0	5.7	5.6	5.6	5.6	5.6	5.6
60°	15.3	12.2	10.1	8.3	6.7	5.7	5.6	5.6	5.6	5.6	5.6
57.5°	18.0	14.0	11.5	9.6	7.8	6.3	5.6	5.6	5.6	5.6	5.6
55°	19.6	15.4	12.7	10.5	8.8	7.2	5.9	5.6	5.6	5.6	5.6
52.5°	18.7	16.0	13.6	11.2	9.3	8.0	6.7	5.6	5.6	5.6	5.6
50°	16.3	15.8	14.0	11.6	9.6	8.3	7.3	6.1	5.6	5.6	5.7
47.5°	14.8	15.1	14.1	11.9	9.7	8.7	7.7	6.6	5.6	5.6	5.7
45°	13.0	14.3	14.0	12.1	9.9	9.0	8.0	7.0	6.0	5.7	5.8
42.5°	11.7	13.5	13.7	12.5	10.8	9.3	8.3	7.3	6.3	5.7	5.9
40°	13.3	13.3	13.7	13.4	11.9	9.6	8.6	7.6	6.5	5.9	6.0
37.5°	15.9	14.8	14.1	15.7	13.4	10.7	8.8	7.8	6.9	6.2	6.1
35°	20.1	18.0	17.5	18.9	16.4	11.9	9.1	8.0	7.4	6.5	6.1
32.5°	25.3	23.8	23.5	22.8	20.3	13.2	9.8	8.8	8.1	6.8	6.2
30°	33.7	34.6	30.4	27.5	24.9	16.8	11.4	9.8	8.8	7.1	6.3
27.5°	52.1	48.7	39.1	33.9	29.5	21.6	14.0	10.9	9.6	7.5	6.6
25°	76.5	67.3	52.9	41.2	34.6	33.8	16.9	12.1	10.5	8.2	6.8
22.5°	108.2	90.1	68.9	49.0	52.8	49.6	23.4	14.5	11.5	8.8	7.0
20°	144.5	116.3	90.9	75.7	74.1	65.7	35.0	17.0	12.5	9.5	7.2
17.5°	184.6	160.5	137.9	110.4	96.8	83.4	48.6	19.6	13.6	10.3	7.5
15°	256.2	226.8	189.0	148.0	120.5	102.6	63.6	22.3	14.7	11.0	7.8
12.5°	338.2	296.5	242.9	187.9	144.9	122.7	79.7	25.0	15.8	12.0	8.3
10°	422.5	368.4	298.5	229.1	169.8	143.5	96.2	28.6	18.1	13.3	8.9
7.5°	508.0	441.3	354.9	270.8	195.1	165.7	114.5	34.0	20.6	14.6	9.5
5°	587.7	505.3	402.2	306.7	222.1	188.9	132.3	39.3	23.2	15.8	10.1
2.5°	642.2	554.0	442.0	339.6	248.6	211.4	148.6	44.5	25.7	16.9	10.7
0°	693.4	599.0	478.7	369.7	274.2	232.6	163.0	49.4	28.1	18.0	11.2
-2.5°	702.8	606.6	483.8	377.4	284.7	240.8	168.5	58.3	34.0	21.2	12.8
-5°	708.3	609.6	485.6	382.3	293.9	247.1	171.6	66.7	39.6	24.2	14.3
-7.5°	680.7	590.0	476.4	383.0	301.7	251.3	172.6	74.3	44.8	27.0	15.7
-10°	643.5	555.6	452.7	368.9	299.4	250.7	171.5	80.9	49.3	29.4	16.9
-12.5°	604.6	518.7	428.0	354.0	294.9	246.1	168.4	86.8	53.3	31.5	18.0
-15°	564.3	479.9	403.2	338.8	290.2	240.7	164.2	91.7	57.0	33.4	18.9
-17.5°	525.0	439.7	378.9	323.9	285.6	234.7	159.2	95.3	59.9	35.2	19.8
-20°	487.2	409.3	356.3	309.7	281.1	228.3	153.6	97.6	61.8	36.3	20.6



REPORT NUMBER: P731440 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-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°	449.1	388.3	341.4	301.9	274.7	221.7	147.9	98.4	62.6	36.7	21.2
-25°	412.3	367.9	327.6	296.5	265.2	212.2	145.0	97.7	62.3	36.3	21.5
-27.5°	386.1	349.3	314.0	290.5	253.9	203.2	143.6	97.1	61.2	35.1	21.4
-30°	364.9	334.1	305.4	282.1	242.3	189.9	140.2	95.1	59.8	34.3	21.1
-32.5°	349.8	319.9	297.6	268.7	227.4	175.7	132.0	91.3	57.1	33.8	20.5
-35°	337.4	310.2	288.6	255.3	210.5	163.3	121.3	86.0	53.3	32.8	19.7
-37.5°	324.3	302.6	274.1	239.3	192.9	149.5	110.7	77.5	48.3	31.3	18.5
-40°	315.6	291.5	260.2	219.4	175.8	134.3	98.8	68.9	45.0	29.3	16.9
-42.5°	305.8	275.1	239.2	198.7	157.9	119.9	86.1	59.8	41.3	27.1	15.0
-45°	286.8	254.1	214.6	176.4	138.9	104.2	75.3	50.7	37.0	24.4	13.2
-47.5°	263.9	225.8	188.7	152.8	119.9	88.3	63.9	45.4	32.3	21.1	12.1
-50°	231.6	196.1	161.6	129.8	99.4	75.1	53.2	39.5	27.6	17.0	10.8
-52.5°	198.5	165.2	135.3	106.8	82.7	61.2	46.0	33.2	22.6	14.3	9.3
-55°	164.6	136.0	109.6	86.7	66.2	51.1	38.2	27.3	17.4	12.3	7.8
-57.5°	133.1	107.8	87.2	67.8	53.5	41.7	30.7	21.0	14.3	10.1	7.9
-60°	102.2	83.8	65.8	54.0	43.3	32.8	23.2	15.7	12.0	8.4	7.9
-62.5°	76.6	61.8	52.5	42.9	33.4	24.2	16.4	13.1	9.6	8.3	7.9
-65°	57.8	49.4	40.7	32.1	23.6	16.9	13.6	10.4	8.8	8.1	7.8
-67.5°	44.4	36.4	28.6	21.0	16.8	13.7	10.7	9.2	8.4	7.9	7.5
-70°	29.5	22.7	18.9	16.0	13.2	10.8	9.5	8.5	7.9	7.5	7.1
-72.5°	19.2	16.8	14.4	12.0	10.9	9.8	8.6	7.8	7.5	7.1	6.8
-75°	14.1	12.8	11.8	10.8	9.8	8.8	7.9	7.3	7.0	6.7	6.5
-77.5°	12.0	11.1	10.4	9.5	8.5	7.8	7.2	6.8	6.6	6.4	6.1
-80°	9.9	9.1	8.4	7.6	7.1	6.7	6.5	6.4	6.2	6.0	5.8
-82.5°	7.6	7.1	6.7	6.4	6.3	6.1	6.0	5.9	5.8	5.6	5.5
-85°	6.3	6.1	5.9	5.8	5.7	5.6	5.6	5.6	5.5	5.4	5.3
-87.5°	5.2	5.2	5.2	5.1	5.2	5.3	5.5	5.6	5.4	5.2	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



REPORT NUMBER: P731440 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.8	5.1	5.3	5.6	5.0	4.5
87.5°	4.8	4.7	4.7	4.6	4.6	4.5	4.5
85°	5.1	5.0	4.9	4.8	4.7	4.6	4.5
82.5°	5.4	5.2	5.1	4.9	4.8	4.6	4.5
80°	5.6	5.4	5.3	5.1	4.9	4.7	4.5
77.5°	5.6	5.6	5.4	5.2	5.0	4.7	4.5
75°	5.6	5.6	5.6	5.4	5.1	4.8	4.5
72.5°	5.6	5.6	5.6	5.5	5.2	4.8	4.5
70°	5.6	5.6	5.6	5.6	5.3	4.9	4.5
67.5°	5.6	5.6	5.6	5.6	5.3	4.9	4.5
65°	5.6	5.6	5.6	5.6	5.4	5.0	4.5
62.5°	5.6	5.6	5.6	5.6	5.5	5.0	4.5
60°	5.6	5.6	5.6	5.6	5.6	5.0	4.5
57.5°	5.6	5.6	5.6	5.6	5.6	5.1	4.5
55°	5.6	5.6	5.6	5.6	5.6	5.1	4.5
52.5°	5.6	5.6	5.6	5.6	5.6	5.2	4.5
50°	5.6	5.6	5.6	5.6	5.6	5.2	4.5
47.5°	5.6	5.6	5.6	5.6	5.6	5.2	4.5
45°	5.7	5.6	5.6	5.6	5.6	5.3	4.5
42.5°	5.8	5.6	5.6	5.6	5.6	5.3	4.5
40°	5.9	5.6	5.6	5.6	5.6	5.3	4.5
37.5°	6.1	5.6	5.6	5.6	5.6	5.4	4.5
35°	6.2	5.7	5.6	5.6	5.6	5.4	4.5
32.5°	6.3	5.8	5.6	5.6	5.6	5.4	4.5
30°	6.4	5.9	5.6	5.6	5.6	5.5	4.5
27.5°	6.5	6.0	5.6	5.6	5.6	5.5	4.5
25°	6.5	6.2	5.6	5.6	5.6	5.5	4.5
22.5°	6.6	6.3	5.6	5.6	5.6	5.5	4.5
20°	6.7	6.4	5.6	5.6	5.6	5.5	4.5
17.5°	6.8	6.4	5.6	5.6	5.6	5.5	4.5
15°	6.9	6.5	5.6	5.6	5.6	5.6	4.5
12.5°	7.0	6.6	5.6	5.6	5.6	5.6	4.5
10°	7.2	6.6	5.6	5.6	5.6	5.6	4.5
7.5°	7.4	6.7	5.6	5.6	5.6	5.6	4.5
5°	7.6	6.7	5.6	5.6	5.6	5.6	4.5
2.5°	7.7	6.7	5.6	5.6	5.6	5.6	4.5
0°	7.9	6.7	5.6	5.6	5.6	5.6	4.5
-2.5°	8.6	6.8	5.6	5.6	5.6	5.6	4.5
-5°	9.3	6.9	5.6	5.6	5.6	5.6	4.5
-7.5°	10.0	7.0	5.6	5.6	5.6	5.6	4.5
-10°	10.6	7.1	5.6	5.6	5.6	5.6	4.5
-12.5°	11.0	7.1	5.6	5.6	5.6	5.6	4.5
-15°	11.4	7.2	5.6	5.6	5.6	5.6	4.5
-17.5°	11.6	7.1	5.6	5.6	5.6	5.6	4.5
-20°	11.8	7.1	5.6	5.6	5.6	5.5	4.5



REPORT NUMBER: P731440 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-4S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.0	7.0	5.6	5.6	5.6	5.5	4.5
-25°	12.1	7.0	5.6	5.6	5.6	5.5	4.5
-27.5°	11.9	7.0	5.6	5.6	5.6	5.5	4.5
-30°	11.5	6.9	5.6	5.6	5.6	5.5	4.5
-32.5°	10.8	6.7	5.7	5.6	5.6	5.5	4.5
-35°	10.4	6.4	5.8	5.6	5.6	5.5	4.5
-37.5°	10.0	6.2	5.9	5.6	5.6	5.4	4.5
-40°	9.5	6.3	5.9	5.6	5.6	5.4	4.5
-42.5°	8.9	6.4	6.0	5.6	5.6	5.4	4.5
-45°	8.1	6.5	6.0	5.6	5.6	5.4	4.5
-47.5°	7.2	6.6	6.1	5.7	5.6	5.4	4.5
-50°	7.1	6.7	6.1	5.7	5.6	5.4	4.5
-52.5°	7.2	6.7	6.1	5.7	5.6	5.3	4.5
-55°	7.3	6.7	6.1	5.7	5.6	5.3	4.5
-57.5°	7.4	6.7	6.0	5.7	5.6	5.3	4.5
-60°	7.4	6.6	6.0	5.7	5.6	5.3	4.5
-62.5°	7.3	6.5	6.0	5.7	5.6	5.3	4.5
-65°	7.1	6.4	5.9	5.7	5.6	5.3	4.5
-67.5°	6.9	6.3	5.8	5.6	5.6	5.2	4.5
-70°	6.6	6.1	5.8	5.6	5.6	5.2	4.5
-72.5°	6.4	6.0	5.7	5.6	5.6	5.2	4.5
-75°	6.2	5.8	5.6	5.5	5.6	5.2	4.5
-77.5°	5.9	5.7	5.5	5.5	5.6	5.2	4.5
-80°	5.6	5.5	5.4	5.5	5.6	5.1	4.5
-82.5°	5.4	5.3	5.3	5.4	5.6	5.1	4.5
-85°	5.1	5.1	5.2	5.4	5.6	5.1	4.5
-87.5°	4.8	5.0	5.1	5.4	5.6	5.1	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

