

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: P731603 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-3S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731603 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-3S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

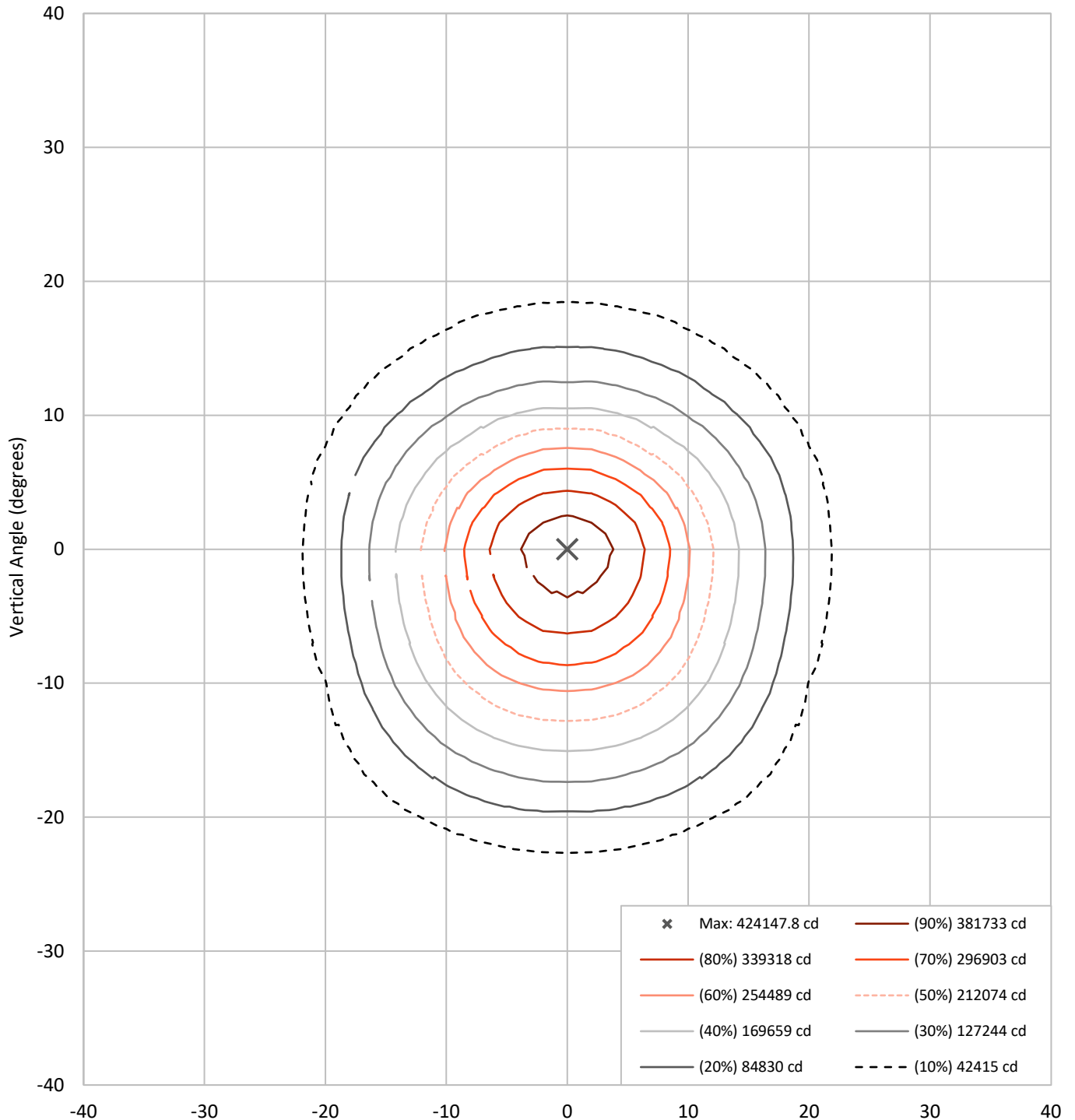
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	83721.7 lumens	Max Intensity:	424147.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	37935.5 lumens	Field Lumens:	71789.8 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

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





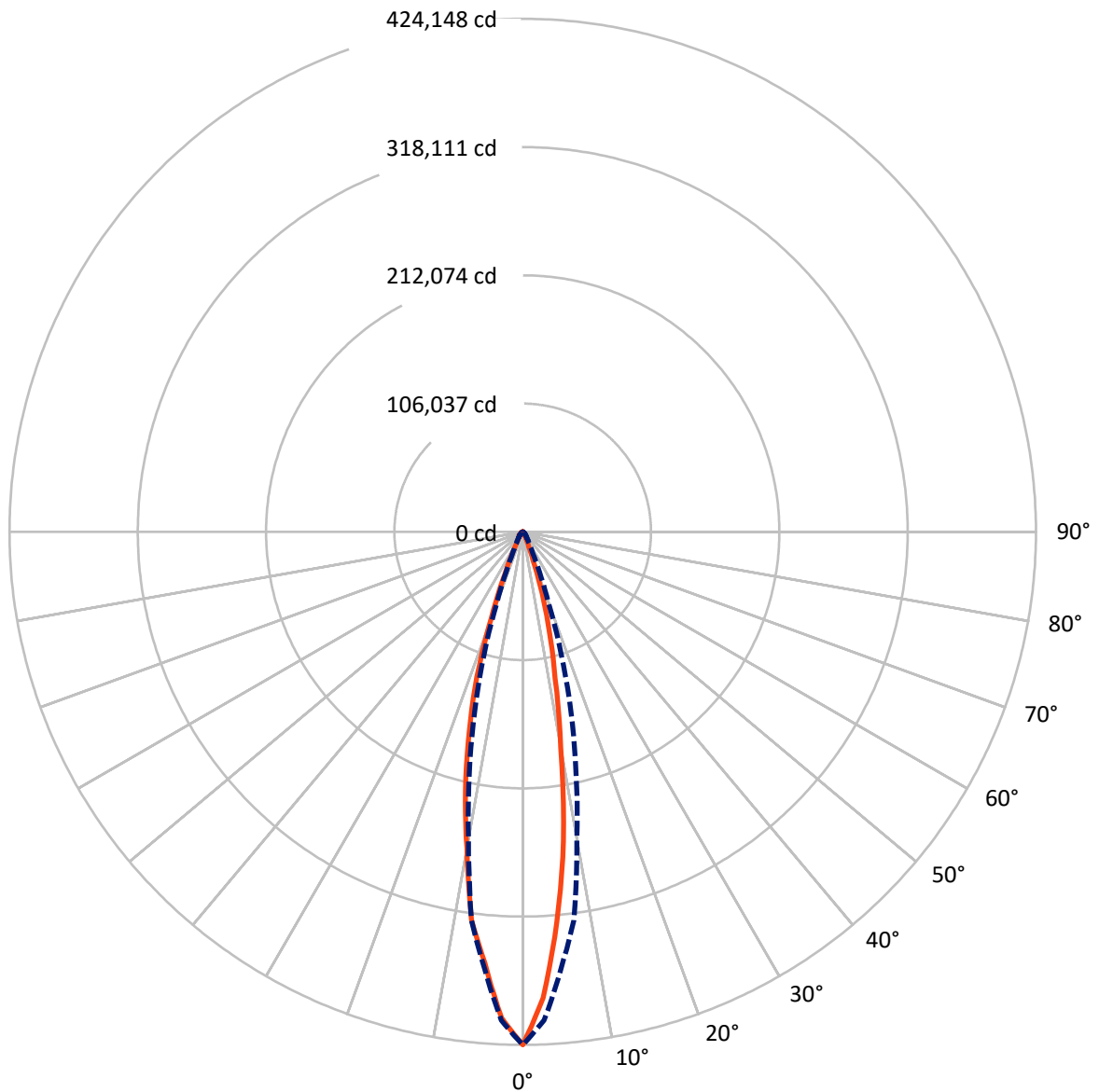
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Lumen Table

90	0.2		0.6		0.8		0.7		0.6		0.7		0.8		0.6		0.2	
80	0.2		0.6		0.8		0.7		0.6		0.7		0.8		0.6		0.2	
70	0.3	0.2	0.2	0.7	0.8	0.5	0.4	0.3	0.3	0.4	0.5	0.8	0.7	0.2	0.2	0.3		
60		0.2	0.4	0.7	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.7	0.4	0.2			
50	0.3	0.2	0.5	0.6	0.8	1.1	1.4	1.6	1.6	1.4	1.1	0.8	0.6	0.5	0.2	0.3		
40		0.3	1.0	2.3	4.5	7.0	8.9	10.9	10.9	8.9	7.0	4.5	2.3	1.0	0.3			
30	0.3	0.5	3.4	11.1	29.2	50.2	115.1	240.4	240.4	115.1	50.2	29.2	11.1	3.4	0.5	0.3		
20		1.1	8.2	29.7	73.3	201.0	1056.5	2480.6	2480.6	1056.5	201.0	73.3	29.7	8.2	1.1			
10	0.4	2.2	14.5	55.6	134.2	605.1	3646.8	8342.5	8342.5	3646.8	605.1	134.2	55.6	14.5	2.2	0.4		
0		3.7	19.3	67.2	154.0	653.0	4208.5	9483.7	9483.7	4208.5	653.0	154.0	67.2	19.3	3.7			
-10	0.7	4.3	19.6	63.9	141.5	380.6	2151.9	4711.5	4711.5	2151.9	380.6	141.5	63.9	19.6	4.3	0.7		
-20		4.0	16.3	41.7	97.4	171.8	394.6	803.9	803.9	394.6	171.8	97.4	41.7	16.3	4.0			
-30	0.6	3.5	11.8	25.6	56.6	101.0	139.8	169.1	169.1	139.8	101.0	56.6	25.6	11.8	3.5	0.6		
-40		2.4	8.3	18.0	32.5	55.8	90.6	117.8	117.8	90.6	55.8	32.5	18.0	8.3	2.4			
-50	0.3	1.2	5.1	11.8	21.2	31.9	41.5	47.7	47.7	41.5	31.9	21.2	11.8	5.1	1.2	0.3		
-60		0.4	1.9	6.0	11.9	19.1	26.3	30.7	30.7	26.3	19.1	11.9	6.0	1.9	0.4			
-70	0.3	0.4	1.9	6.0	11.9	19.1	26.3	30.7	30.7	26.3	19.1	11.9	6.0	1.9	0.4	0.3		
-80		0.3	1.1	4.2	11.6	16.6	11.6	4.2	1.1	0.3								
-90	0.3		1.1		4.2		11.6		16.6		11.6		4.2		1.1		0.3	

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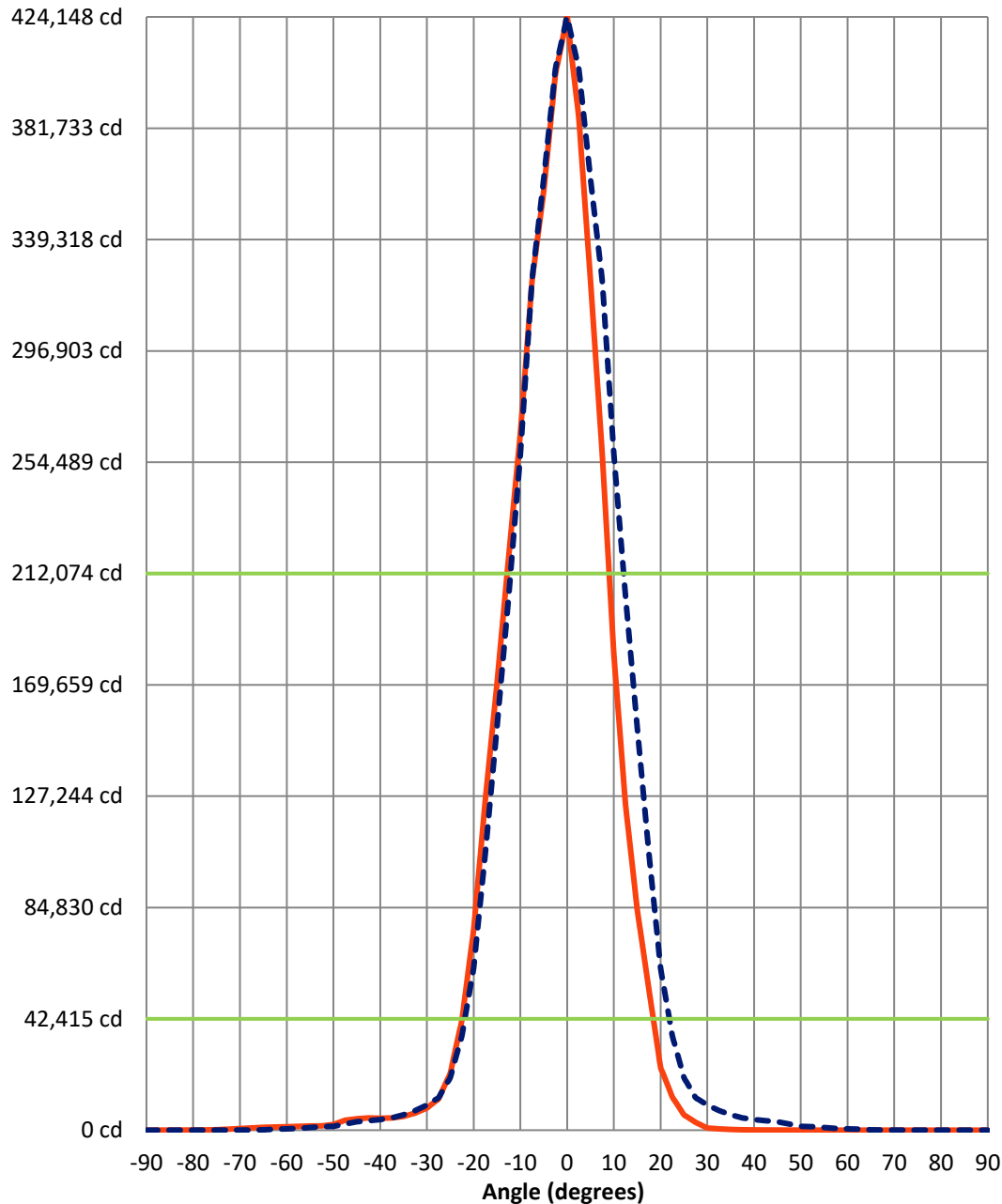
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 37935.5
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 71789.8
 Efficiency: 85.7%

Spill:
 Lumens: 11931.9
 Efficiency: 14.3%

— 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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.5	12.0	12.5	13.1
87.5°	10.9	10.9	11.1	11.1	11.1	11.0	10.9	10.9	10.9	10.9	10.9
85°	10.9	11.0	11.3	11.3	11.3	11.1	10.9	10.9	10.9	10.9	10.9
82.5°	10.9	11.0	11.5	11.5	11.5	11.3	10.9	10.9	10.9	11.0	10.9
80°	10.9	11.1	11.7	11.8	11.7	11.4	11.0	11.2	11.3	11.2	11.0
77.5°	10.9	11.1	11.8	12.0	11.9	11.6	11.6	11.8	11.7	11.5	11.0
75°	10.9	11.2	12.0	12.2	12.1	12.0	12.1	12.3	12.1	11.6	11.1
72.5°	10.9	11.2	12.2	12.5	12.3	12.3	12.7	12.7	12.2	11.7	11.1
70°	10.9	11.3	12.3	12.7	12.5	12.7	13.1	12.8	12.2	11.7	11.2
67.5°	10.9	11.3	12.5	12.7	12.7	13.0	13.1	12.8	12.3	11.8	11.3
65°	10.9	11.3	12.6	12.8	12.8	13.1	13.1	12.9	12.4	11.9	11.6
62.5°	10.9	11.4	12.7	12.9	13.0	13.1	13.1	13.0	12.5	12.0	12.3
60°	10.9	11.4	12.8	12.9	13.1	13.1	13.1	13.0	12.6	12.5	12.9
57.5°	10.9	11.4	12.8	13.0	13.1	13.1	13.1	13.1	12.8	12.9	13.1
55°	10.9	11.4	12.8	13.0	13.1	13.1	13.1	13.1	12.9	13.1	13.1
52.5°	10.9	11.4	12.7	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
50°	10.9	11.4	12.7	13.1	13.1	13.1	13.1	13.2	13.1	13.1	14.1
47.5°	10.9	11.4	12.7	13.1	13.1	13.1	13.1	13.4	13.1	13.1	15.1
45°	10.9	11.5	12.7	13.1	13.1	13.1	13.3	13.6	13.2	13.8	15.9
42.5°	10.9	11.4	12.7	13.1	13.1	13.1	13.5	13.8	13.4	14.4	16.7
40°	10.9	11.4	12.7	13.1	13.1	13.1	13.8	13.9	13.7	14.9	17.3
37.5°	10.9	11.4	12.7	13.1	13.1	13.1	14.0	14.0	14.3	15.7	17.6
35°	10.9	11.4	12.8	13.1	13.1	13.2	14.3	14.1	14.9	16.6	17.7
32.5°	10.9	11.4	12.8	13.1	13.1	13.5	14.6	14.3	15.5	17.6	19.2
30°	10.9	11.4	12.8	13.1	13.1	13.7	14.7	14.5	16.1	18.7	21.2
27.5°	10.9	11.4	12.8	13.1	13.1	14.0	14.8	15.0	16.8	20.0	23.6
25°	10.9	11.3	12.9	13.1	13.1	14.2	15.0	15.4	17.8	21.7	26.6
22.5°	10.9	11.3	12.9	13.1	13.1	14.5	15.1	15.9	18.8	23.9	32.4
20°	10.9	11.3	12.9	13.1	13.1	14.6	15.2	16.3	19.8	26.2	38.0
17.5°	10.9	11.2	13.0	13.1	13.1	14.8	15.4	16.7	20.9	28.7	43.4
15°	10.9	11.2	13.0	13.1	13.1	14.9	15.7	17.1	22.0	31.3	48.6
12.5°	10.9	11.1	13.0	13.1	13.1	15.0	15.9	17.6	23.8	34.0	53.5
10°	10.9	11.1	13.0	13.1	13.1	15.1	16.2	18.1	26.4	39.2	62.0
7.5°	10.9	11.0	13.1	13.1	13.1	15.2	16.5	18.5	29.2	44.8	79.4
5°	10.9	11.0	13.1	13.1	13.1	15.3	16.9	18.9	31.9	50.5	97.6
2.5°	10.9	10.9	13.1	13.1	13.1	15.3	17.2	19.3	34.6	55.9	115.8
0°	10.9	10.9	13.1	13.1	13.1	15.3	17.5	19.7	37.1	61.1	133.2
-2.5°	10.9	10.9	13.1	13.1	13.1	15.3	19.2	26.2	49.2	81.2	161.9
-5°	10.9	10.9	13.1	13.1	13.1	15.3	20.9	32.4	60.8	100.4	188.7
-7.5°	10.9	10.9	13.1	13.1	13.1	15.2	22.4	38.3	71.7	118.5	213.1
-10°	10.9	10.9	13.0	13.1	13.1	15.1	23.6	43.5	81.5	134.9	234.6
-12.5°	10.9	10.9	13.0	13.1	13.1	15.0	24.6	47.9	90.0	149.3	249.5
-15°	10.9	10.9	12.9	13.1	13.1	14.9	25.3	51.3	97.6	160.8	260.0
-17.5°	10.9	10.9	12.9	13.1	13.1	14.8	25.5	54.5	104.5	170.5	267.5
-20°	10.9	10.9	12.8	13.1	13.1	14.6	25.9	57.3	109.4	178.2	271.8



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.9	10.9	12.8	13.1	13.1	14.5	26.7	58.7	112.4	183.8	272.8
-25°	10.9	10.9	12.7	13.1	13.1	14.7	26.7	58.7	113.3	187.1	270.5
-27.5°	10.9	10.9	12.6	13.1	13.1	15.0	26.0	57.2	111.9	188.1	273.0
-30°	10.9	10.9	12.5	13.1	13.1	15.1	24.4	54.1	109.6	186.2	272.9
-32.5°	10.9	10.9	12.4	13.1	13.3	15.1	22.1	51.8	105.9	181.1	269.7
-35°	10.9	10.9	12.3	13.1	13.5	15.0	21.2	49.0	99.8	172.8	263.5
-37.5°	10.9	10.9	12.2	13.1	13.6	14.8	21.0	44.9	91.3	161.2	243.9
-40°	10.9	10.9	12.1	13.1	13.8	15.0	20.5	39.4	80.5	148.7	221.6
-42.5°	10.9	10.9	11.9	13.1	13.9	15.2	19.7	32.7	71.2	131.0	197.7
-45°	10.9	10.9	11.8	13.2	13.9	15.3	18.7	27.6	61.9	111.2	172.8
-47.5°	10.9	10.9	11.7	13.2	14.0	15.3	17.4	26.0	50.9	90.0	148.9
-50°	10.9	10.9	11.5	13.1	14.0	15.3	17.2	24.1	37.8	75.1	123.2
-52.5°	10.9	10.9	11.4	12.9	14.0	15.3	17.1	21.7	31.6	59.0	96.9
-55°	10.9	10.9	11.2	12.7	14.0	15.3	17.0	19.3	28.2	41.8	77.3
-57.5°	10.9	10.9	11.1	12.5	14.0	15.2	16.8	19.0	24.5	34.3	56.5
-60°	10.9	10.9	10.9	12.3	13.9	15.0	16.6	18.6	21.1	29.5	39.8
-62.5°	10.9	10.9	10.9	12.1	13.6	14.8	16.3	18.1	20.3	24.2	33.6
-65°	10.9	10.9	10.9	11.9	13.3	14.6	16.0	17.5	19.4	22.1	27.0
-67.5°	10.9	10.9	10.9	11.6	13.0	14.3	15.6	16.9	18.3	20.6	23.5
-70°	10.9	10.9	10.9	11.4	12.7	13.9	15.2	16.2	17.4	18.9	21.3
-72.5°	10.9	10.9	10.9	11.3	12.3	13.5	14.7	15.5	16.4	17.6	19.1
-75°	10.9	10.9	10.9	11.3	12.0	13.1	14.2	14.8	15.4	16.3	17.5
-77.5°	10.9	10.9	10.9	11.2	11.8	12.6	13.7	14.2	14.6	15.1	15.7
-80°	10.9	10.9	10.9	11.2	11.6	12.3	13.1	13.5	13.9	14.3	14.6
-82.5°	10.9	10.9	10.9	11.1	11.5	12.0	12.6	12.9	13.2	13.4	13.7
-85°	10.9	10.9	10.9	11.0	11.3	11.6	12.0	12.4	12.7	13.0	13.1
-87.5°	10.9	10.9	10.9	11.0	11.1	11.3	11.5	11.9	12.4	12.8	13.1
-90°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9



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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°	12.6	12.0	11.5	10.9	10.9	10.9	10.9	10.9	10.4	9.8	9.3
87.5°	10.4	9.8	9.3	8.7	8.7	8.7	8.7	8.7	8.2	7.7	7.1
85°	10.4	9.8	9.4	9.0	9.1	9.0	8.9	8.7	8.2	7.7	7.1
82.5°	10.6	10.4	10.3	10.3	10.1	9.8	9.3	8.8	8.2	7.7	7.2
80°	10.8	10.9	10.9	10.9	10.4	9.9	9.3	8.8	8.3	7.7	7.2
77.5°	10.9	10.9	10.9	10.9	10.5	9.9	9.4	8.9	8.3	7.8	7.3
75°	10.9	10.9	10.9	10.9	10.6	10.0	9.5	9.4	9.3	9.1	8.9
72.5°	10.9	10.9	10.9	10.9	10.7	10.5	10.5	10.7	11.2	11.3	11.1
70°	10.9	10.9	11.1	11.1	10.9	11.1	12.1	13.3	14.3	15.4	18.1
67.5°	11.0	11.5	11.6	11.5	11.8	12.9	14.2	20.1	27.2	30.5	32.2
65°	12.0	12.3	12.3	12.5	13.0	17.1	23.6	32.0	41.2	43.3	43.1
62.5°	12.9	12.8	12.9	14.2	17.5	23.3	32.1	41.8	52.1	50.1	43.3
60°	13.1	13.0	14.5	17.8	22.3	30.1	40.2	45.0	48.3	48.2	39.6
57.5°	13.1	14.2	17.2	21.7	28.4	34.9	37.2	40.0	42.3	43.6	34.3
55°	13.7	16.1	20.1	26.2	31.3	30.5	31.7	33.5	35.1	33.1	24.6
52.5°	15.1	18.0	23.2	28.6	29.7	27.4	25.8	27.1	25.9	22.5	18.6
50°	16.4	20.2	25.5	29.1	28.4	24.6	21.3	21.9	20.8	18.2	15.9
47.5°	17.9	22.2	27.5	29.7	26.6	24.2	21.3	20.5	19.4	20.2	19.1
45°	19.2	23.7	29.4	28.7	26.8	26.0	24.6	21.6	25.0	26.2	25.9
42.5°	20.2	24.8	29.2	28.2	29.8	30.5	30.0	31.3	33.3	36.3	37.5
40°	20.8	25.6	30.3	33.5	34.4	37.4	41.5	44.7	45.8	50.2	53.1
37.5°	21.2	28.0	34.8	43.1	42.0	48.3	55.1	66.9	70.4	66.2	74.4
35°	21.2	31.6	46.7	58.2	59.9	62.6	80.3	98.1	109.1	98.3	108.4
32.5°	23.4	36.5	61.9	78.2	89.9	92.9	110.4	147.2	166.1	168.8	169.8
30°	28.9	50.6	80.7	102.0	128.7	150.1	167.0	209.3	239.6	314.7	375.2
27.5°	35.9	67.7	103.3	137.7	177.6	217.3	257.3	290.8	388.7	529.7	687.0
25°	42.8	92.3	128.4	181.6	242.3	300.3	354.1	399.7	590.8	879.8	1073.2
22.5°	56.3	121.5	164.5	230.6	313.5	389.8	456.3	576.8	844.1	1272.0	1480.0
20°	78.2	152.3	209.0	289.3	393.3	482.3	560.3	761.9	1151.9	1553.1	1811.2
17.5°	102.1	184.6	257.4	363.4	496.4	594.9	674.8	941.9	1450.3	1833.6	2096.6
15°	127.5	217.9	305.1	444.0	609.3	731.5	893.5	1221.8	1713.8	2109.1	2431.5
12.5°	153.5	251.5	351.8	529.0	729.3	869.4	1160.2	1636.4	2075.5	2420.0	2902.6
10°	179.4	284.9	397.1	616.1	853.4	1007.3	1453.5	2046.1	2470.5	2824.9	3379.8
7.5°	230.0	332.0	445.7	702.7	978.5	1144.0	1761.1	2444.8	2840.4	3201.1	3785.8
5°	284.5	392.6	521.3	810.4	1102.5	1267.2	2047.0	2824.9	3187.2	3550.5	4130.2
2.5°	337.4	450.9	594.4	915.1	1219.0	1367.4	2217.9	3036.1	3412.2	3821.8	4423.2
0°	386.5	506.6	663.9	1011.1	1325.5	1460.9	2356.3	3214.5	3601.0	4048.7	4679.8
-2.5°	426.1	561.1	729.1	1065.6	1362.5	1514.1	2384.7	3280.1	3698.6	4178.1	4803.0
-5°	459.2	611.7	789.2	1110.6	1391.2	1561.0	2378.9	3303.4	3780.4	4276.2	4915.2
-7.5°	485.1	657.6	843.6	1143.2	1406.1	1583.3	2371.9	3334.5	3870.1	4343.1	5006.1
-10°	499.4	676.4	855.2	1138.7	1402.4	1588.2	2320.0	3315.8	3943.4	4391.6	5034.5
-12.5°	484.5	670.5	852.2	1124.3	1392.6	1587.3	2207.3	3243.8	4001.9	4424.8	4980.7
-15°	466.9	660.6	840.5	1100.0	1377.3	1580.6	2027.7	3116.3	3972.5	4303.7	4822.9
-17.5°	447.8	646.9	819.4	1065.6	1357.4	1568.2	1764.4	2792.8	3672.3	4096.7	4652.1
-20°	428.0	629.3	788.2	1021.4	1329.0	1508.0	1640.6	2383.7	3243.2	3841.5	4353.3



REPORT NUMBER: P731603 (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°	408.4	608.0	754.9	980.5	1226.3	1408.3	1549.0	1966.4	2798.9	3525.7	3907.5
-25°	398.0	577.0	727.0	905.2	1117.0	1306.0	1443.0	1591.4	2334.6	3032.9	3513.4
-27.5°	393.1	549.0	685.8	830.1	1013.2	1197.7	1328.4	1468.4	1876.8	2536.6	3112.8
-30°	384.1	510.7	642.7	762.4	925.1	1084.7	1213.1	1357.5	1521.8	2054.7	2586.9
-32.5°	362.6	471.8	597.6	712.8	842.7	982.2	1124.5	1265.7	1406.4	1600.3	2088.1
-35°	337.4	439.2	552.6	662.0	765.3	899.2	1041.2	1180.3	1299.7	1423.6	1693.5
-37.5°	317.0	404.1	508.1	611.6	709.1	823.7	954.5	1089.5	1211.5	1323.4	1477.3
-40°	294.6	366.5	466.0	563.9	655.7	754.2	870.9	992.6	1118.4	1249.3	1369.6
-42.5°	270.1	339.4	422.4	517.0	603.1	693.7	787.0	899.7	1023.4	1161.5	1286.3
-45°	242.1	310.6	378.7	465.6	548.4	631.8	719.1	808.3	929.8	1053.8	1184.4
-47.5°	212.6	279.3	344.8	414.3	493.1	569.2	649.2	740.3	835.8	949.1	1064.4
-50°	182.1	245.3	309.0	371.9	439.2	508.2	578.8	670.9	761.6	850.4	949.3
-52.5°	151.5	209.9	270.5	331.0	390.9	453.0	520.5	601.7	687.2	770.4	852.6
-55°	119.2	173.5	230.2	287.7	344.8	401.2	466.8	538.8	613.0	692.2	768.6
-57.5°	91.8	135.1	187.6	242.3	296.2	351.4	415.7	477.6	545.0	615.0	683.6
-60°	66.8	100.3	142.2	192.9	245.5	299.6	363.1	424.6	482.2	538.2	602.5
-62.5°	44.1	70.1	101.8	139.9	187.8	241.9	298.9	359.5	424.7	475.8	526.2
-65°	36.2	44.7	66.3	96.0	127.7	173.8	225.7	281.8	338.3	389.2	442.9
-67.5°	28.0	36.1	43.6	54.9	82.1	112.7	145.3	191.7	240.9	283.6	326.9
-70°	24.4	28.0	34.4	41.0	47.5	60.0	86.9	115.4	143.6	170.9	206.3
-72.5°	21.6	24.7	28.1	31.7	37.2	43.1	49.3	55.9	71.8	92.9	112.6
-75°	19.2	21.3	24.1	27.2	30.1	32.9	36.2	41.4	46.5	51.4	56.1
-77.5°	17.1	18.9	20.7	22.8	24.7	26.9	29.2	31.7	34.1	36.7	39.5
-80°	15.3	16.3	17.7	19.2	20.2	21.3	22.6	24.2	25.6	26.9	28.5
-82.5°	14.1	14.7	15.4	16.2	16.3	16.2	16.1	16.6	17.6	18.5	19.4
-85°	13.1	13.1	13.4	13.7	13.9	14.0	14.1	14.0	13.9	13.8	13.7
-87.5°	12.8	12.6	12.3	12.2	12.2	12.3	12.4	12.5	12.0	11.5	11.0
-90°	10.4	9.8	9.3	8.7	8.7	8.7	8.7	8.7	8.2	7.7	7.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.7	8.7	8.7	8.7	8.7	9.3	9.8	10.4	10.9	12.6	14.2
87.5°	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	2.2	2.2
85°	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	2.2	2.2
82.5°	6.6	6.4	6.2	6.1	6.0	5.6	5.1	4.7	4.2	3.8	3.3
80°	6.7	6.6	6.6	6.6	6.6	6.1	5.6	5.0	4.4	3.9	3.3
77.5°	6.9	7.0	7.0	6.9	6.7	6.2	5.6	5.0	4.5	3.9	3.4
75°	8.7	8.4	8.1	7.5	6.8	6.2	5.6	5.1	4.5	4.3	4.3
72.5°	10.7	10.1	9.7	10.2	10.1	9.9	9.6	9.0	8.0	8.0	8.2
70°	20.0	20.9	21.0	20.0	17.9	16.0	14.5	12.9	11.0	10.5	10.6
67.5°	31.8	30.3	28.4	26.0	22.3	19.0	17.0	15.0	13.2	12.6	12.8
65°	39.6	32.8	28.2	24.6	21.6	19.0	16.8	14.7	12.7	11.5	11.3
62.5°	36.2	28.4	23.5	20.6	18.5	16.8	14.2	12.0	10.3	9.5	9.8
60°	31.2	22.8	17.7	15.3	13.1	11.0	10.1	9.4	8.9	8.7	8.9
57.5°	24.7	17.3	13.0	12.1	10.9	9.4	8.9	9.1	9.0	8.7	8.7
55°	18.1	14.8	13.2	12.5	11.9	11.3	10.8	10.6	10.4	10.1	10.4
52.5°	14.7	14.7	14.9	14.7	14.2	13.5	12.9	12.9	13.2	13.5	14.1
50°	16.3	16.8	17.1	16.9	16.4	15.9	15.2	15.8	16.9	17.7	18.4
47.5°	18.9	19.6	20.8	19.4	19.6	20.9	20.1	20.4	23.5	25.6	26.9
45°	24.0	27.9	28.8	29.8	30.0	32.3	33.3	33.9	40.2	42.9	43.1
42.5°	38.3	41.9	45.0	47.8	47.3	54.4	63.9	69.2	69.0	67.9	69.1
40°	58.0	61.9	70.8	77.5	87.8	97.1	97.8	88.8	89.8	100.2	101.1
37.5°	87.1	99.2	116.8	136.4	141.6	135.6	139.2	145.7	152.5	162.1	173.3
35°	138.7	179.3	187.4	202.5	212.4	202.6	206.4	223.7	223.9	254.8	271.8
32.5°	246.0	308.4	327.6	314.1	340.3	356.1	307.5	368.7	380.4	412.1	451.0
30°	401.2	531.1	571.3	552.6	623.4	645.8	602.9	726.0	798.3	796.9	979.5
27.5°	762.4	827.2	902.7	1017.7	1032.6	1071.0	1313.8	1501.6	1740.0	1965.4	2258.0
25°	1166.4	1203.3	1419.3	1561.5	1631.8	1888.4	2248.2	2541.8	3047.6	3519.8	4502.6
22.5°	1538.6	1676.1	1939.6	2167.4	2423.3	2836.5	3332.8	3877.4	5221.6	6875.4	8950.4
20°	1903.8	2084.7	2399.5	2809.2	3217.8	3779.9	4439.6	6165.0	8808.1	12814.0	17143.4
17.5°	2316.0	2490.1	2919.1	3497.7	4119.3	4961.8	6985.5	10282.3	15895.1	23731.8	31292.0
15°	2851.2	3150.7	3625.5	4480.2	5670.0	7655.7	10954.5	19086.2	30292.3	42479.2	55544.8
12.5°	3477.3	3971.0	4743.9	5848.5	7561.6	12252.6	20543.3	33600.8	50346.7	67462.9	88937.1
10°	4083.5	4909.3	6092.0	7832.6	11240.5	18633.9	30985.4	49830.6	75488.7	101952.8	125668.7
7.5°	4615.7	5708.6	7300.1	9739.4	15149.8	25835.1	43603.9	69863.9	101845.1	134547.8	166438.4
5°	5159.4	6458.8	8313.6	11167.5	17533.7	31047.7	53855.3	88203.9	126843.3	166452.3	208075.5
2.5°	5605.7	7088.7	9159.6	12351.4	18942.5	33849.1	60212.4	100977.5	145622.2	190968.7	242761.6
0°	5874.3	7479.3	9577.9	12388.4	20049.0	36055.9	61782.7	105499.2	153550.5	203407.7	257615.0
-2.5°	5882.7	7397.9	9374.0	12270.9	19812.2	35452.6	61892.3	105386.5	153124.1	201141.2	254635.0
-5°	5864.3	7212.5	9068.3	11849.5	18394.9	32305.3	57144.1	98558.5	145578.2	191020.3	239743.9
-7.5°	5836.3	6967.3	8634.0	11175.4	16581.0	28506.5	51675.2	89586.9	133949.8	176277.0	219892.9
-10°	5803.9	6713.6	8234.3	10597.2	14937.9	23988.0	41569.2	76095.5	116791.7	155850.3	191616.6
-12.5°	5776.1	6609.4	7912.3	9800.6	12940.5	20101.2	35095.2	62187.0	95143.0	128123.7	159806.9
-15°	5669.4	6471.4	7649.7	9209.0	11754.6	16762.5	26198.9	44925.6	71986.9	98039.8	123190.5
-17.5°	5451.1	6274.9	7016.3	8230.1	10066.4	13332.0	19514.6	30798.8	48174.3	68539.7	86283.2
-20°	5023.4	5588.1	6203.1	7234.1	8647.3	10366.6	13186.1	19615.9	27877.5	41161.5	50464.7



REPORT NUMBER: P731603 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4388.4	4863.4	5380.8	6067.7	7061.5	8274.8	9779.3	12156.4	16467.4	21587.4	27246.2
-25°	3809.3	4150.5	4630.0	5220.1	5752.0	6543.6	7598.0	8520.2	10382.3	11888.5	15000.8
-27.5°	3370.3	3654.0	4088.2	4545.9	4938.5	5362.6	6096.3	6748.2	7654.2	8445.2	9710.4
-30°	3052.7	3343.5	3692.6	4039.5	4412.4	4771.9	5100.3	5594.5	6137.9	6653.9	7323.2
-32.5°	2660.9	3119.5	3372.2	3665.7	3997.4	4311.9	4562.3	4874.8	5173.9	5515.7	5882.8
-35°	2251.5	2752.6	3140.5	3365.9	3612.3	3912.7	4169.3	4383.1	4581.3	4793.5	4987.4
-37.5°	1769.3	2323.1	2764.9	3098.6	3323.5	3533.2	3808.4	4014.0	4145.0	4321.0	4453.6
-40°	1520.7	1742.4	2244.7	2698.0	2988.0	3318.3	3574.3	3791.9	4032.0	4219.3	4327.3
-42.5°	1399.4	1528.0	1661.7	2032.1	2485.8	2882.3	3212.5	3570.3	3891.4	4146.7	4384.3
-45°	1305.8	1397.1	1492.3	1615.2	1742.2	2113.3	2520.4	2938.9	3313.6	3663.8	3964.3
-47.5°	1180.8	1287.7	1374.6	1452.3	1530.4	1644.3	1766.2	1935.9	2296.1	2661.3	3009.5
-50°	1052.1	1150.4	1246.4	1336.6	1409.7	1467.1	1513.2	1588.1	1696.6	1804.7	1910.7
-52.5°	930.9	1022.2	1109.1	1196.5	1282.1	1358.0	1425.3	1478.2	1521.7	1558.9	1584.1
-55°	844.3	916.1	983.7	1067.0	1149.2	1225.6	1296.4	1361.3	1420.6	1474.5	1511.7
-57.5°	754.1	824.6	894.6	964.7	1032.6	1098.3	1164.3	1228.5	1288.9	1343.8	1380.6
-60°	664.8	725.0	794.5	866.9	934.6	997.9	1059.2	1116.9	1170.7	1216.8	1246.6
-62.5°	580.6	637.4	697.5	762.5	831.1	898.0	959.4	1017.8	1073.1	1117.9	1146.7
-65°	495.4	543.2	594.5	648.3	703.9	760.9	819.4	879.1	939.1	987.3	1018.9
-67.5°	372.1	420.0	470.4	523.0	570.3	613.9	656.0	699.5	743.5	780.0	808.7
-70°	242.0	277.8	312.9	348.9	388.2	428.0	466.2	502.0	535.2	561.7	583.2
-72.5°	130.8	148.1	167.6	195.0	221.2	247.8	274.0	298.7	321.7	339.1	352.7
-75°	60.6	68.5	83.3	96.9	109.5	122.4	134.8	146.2	156.6	164.0	169.6
-77.5°	43.1	46.6	50.1	53.6	57.2	62.1	67.2	72.3	77.3	82.1	86.7
-80°	30.3	32.3	34.2	36.1	37.8	40.6	43.6	46.6	49.5	52.5	55.4
-82.5°	20.3	21.6	22.9	24.1	25.3	26.9	28.5	30.1	31.6	34.1	36.5
-85°	13.7	14.3	14.9	15.6	16.2	17.5	18.8	20.1	21.3	23.1	24.9
-87.5°	10.5	10.6	10.6	10.7	10.7	11.8	12.9	14.0	15.1	16.8	18.5
-90°	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	1.7	1.1



REPORT NUMBER: P731603 (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°
90°	15.9	17.5	18.6	19.7	18.6	17.5	15.9	14.2	12.6	10.9	10.4
87.5°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.8
85°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.8
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.2	4.7
80°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	5.0
77.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.4	3.9	4.5	5.0
75°	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.5	5.1
72.5°	8.4	8.6	8.7	8.7	8.7	8.6	8.4	8.2	8.0	8.0	9.0
70°	10.7	10.8	10.9	10.9	10.9	10.8	10.7	10.6	10.5	11.0	12.9
67.5°	12.9	13.0	13.1	13.1	13.1	13.0	12.9	12.8	12.6	13.2	15.0
65°	11.1	11.0	10.9	10.9	10.9	11.0	11.1	11.3	11.5	12.7	14.7
62.5°	10.2	10.8	10.9	10.9	10.9	10.8	10.2	9.8	9.5	10.3	12.0
60°	8.9	8.8	8.7	8.7	8.7	8.8	8.9	8.9	8.7	8.9	9.4
57.5°	8.7	8.7	9.6	10.9	9.6	8.7	8.7	8.7	8.7	9.0	9.1
55°	10.6	10.8	11.7	13.1	11.7	10.8	10.6	10.4	10.1	10.4	10.6
52.5°	14.6	15.0	15.2	15.3	15.2	15.0	14.6	14.1	13.5	13.2	12.9
50°	19.0	19.4	19.6	19.7	19.6	19.4	19.0	18.4	17.7	16.9	15.8
47.5°	27.8	28.1	28.2	28.4	28.2	28.1	27.8	26.9	25.6	23.5	20.4
45°	44.6	45.2	45.5	45.9	45.5	45.2	44.6	43.1	42.9	40.2	33.9
42.5°	71.9	73.0	73.0	72.1	73.0	73.0	71.9	69.1	67.9	69.0	69.2
40°	102.6	102.6	101.4	100.5	101.4	102.6	102.6	101.1	100.2	89.8	88.8
37.5°	178.5	172.0	160.5	155.0	160.5	172.0	178.5	173.3	162.1	152.5	145.7
35°	276.2	280.3	281.4	279.5	281.4	280.3	276.2	271.8	254.8	223.9	223.7
32.5°	461.8	483.9	491.1	504.4	491.1	483.9	461.8	451.0	412.1	380.4	368.7
30°	950.8	944.2	861.4	825.5	861.4	944.2	950.8	979.5	796.9	798.3	726.0
27.5°	2561.3	2856.2	2996.8	2985.2	2996.8	2856.2	2561.3	2258.0	1965.4	1740.0	1501.6
25°	5274.9	5748.8	6063.1	5856.8	6063.1	5748.8	5274.9	4502.6	3519.8	3047.6	2541.8
22.5°	10883.0	11916.0	12479.0	12681.0	12479.0	11916.0	10883.0	8950.4	6875.4	5221.6	3877.4
20°	21809.3	23760.0	25184.5	23995.1	25184.5	23760.0	21809.3	17143.4	12814.0	8808.1	6165.0
17.5°	40489.0	46556.8	51924.7	53602.4	51924.7	46556.8	40489.0	31292.0	23731.8	15895.1	10282.3
15°	68141.1	78388.6	84479.7	84124.6	84479.7	78388.6	68141.1	55544.8	42479.2	30292.3	19086.2
12.5°	104842.8	117488.8	125926.6	124050.2	125926.6	117488.8	104842.8	88937.1	67462.9	50346.7	33600.8
10°	148942.8	168097.3	182014.6	181373.6	182014.6	168097.3	148942.8	125668.7	101952.8	75488.7	49830.6
7.5°	194664.6	226109.4	253402.2	257994.9	253402.2	226109.4	194664.6	166438.4	134547.8	101845.1	69863.9
5°	253626.6	295072.2	322176.6	323725.8	322176.6	295072.2	253626.6	208075.5	166452.3	126843.3	88203.9
2.5°	301454.7	348999.7	371873.6	385732.4	371873.6	348999.7	301454.7	242761.6	190968.7	145622.2	100977.5
0°	323862.3	362513.6	404333.5	424147.8	404333.5	362513.6	323862.3	257615.0	203407.7	153550.5	105499.2
-2.5°	314669.4	356087.1	381179.4	402179.3	381179.4	356087.1	314669.4	254635.0	201141.2	153124.1	105386.5
-5°	293820.7	334858.8	355909.2	357873.2	355909.2	334858.8	293820.7	239743.9	191020.3	145578.2	98558.5
-7.5°	259784.4	294582.6	316683.4	323559.9	316683.4	294582.6	259784.4	219892.9	176277.0	133949.8	89586.9
-10°	223612.8	248638.3	262921.5	265659.9	262921.5	248638.3	223612.8	191616.6	155850.3	116791.7	76095.5
-12.5°	186006.8	206495.2	216350.8	218504.0	216350.8	206495.2	186006.8	159806.9	128123.7	95143.0	62187.0
-15°	144348.9	159766.0	168639.9	170184.1	168639.9	159766.0	144348.9	123190.5	98039.8	71986.9	44925.6
-17.5°	103033.6	115561.1	124550.4	125744.8	124550.4	115561.1	103033.6	86283.2	68539.7	48174.3	30798.8
-20°	63293.2	71817.0	77075.8	76304.6	77075.8	71817.0	63293.2	50464.7	41161.5	27877.5	19615.9



REPORT NUMBER: P731603 (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°	34076.2	38670.9	40893.3	42041.6	40893.3	38670.9	34076.2	27246.2	21587.4	16467.4	12156.4
-25°	18012.6	19958.5	20956.9	21739.2	20956.9	19958.5	18012.6	15000.8	11888.5	10382.3	8520.2
-27.5°	10717.7	11386.9	11758.5	11962.6	11758.5	11386.9	10717.7	9710.4	8445.2	7654.2	6748.2
-30°	7857.1	8177.7	8347.2	8431.5	8347.2	8177.7	7857.1	7323.2	6653.9	6137.9	5594.5
-32.5°	6177.4	6367.7	6484.7	6527.2	6484.7	6367.7	6177.4	5882.8	5515.7	5173.9	4874.8
-35°	5124.4	5188.1	5210.9	5251.9	5210.9	5188.1	5124.4	4987.4	4793.5	4581.3	4383.1
-37.5°	4554.6	4613.8	4642.8	4666.7	4642.8	4613.8	4554.6	4453.6	4321.0	4145.0	4014.0
-40°	4377.2	4440.0	4504.4	4550.9	4504.4	4440.0	4377.2	4327.3	4219.3	4032.0	3791.9
-42.5°	4488.1	4590.8	4661.3	4671.0	4661.3	4590.8	4488.1	4384.3	4146.7	3891.4	3570.3
-45°	4134.9	4251.9	4315.6	4336.9	4315.6	4251.9	4134.9	3964.3	3663.8	3313.6	2938.9
-47.5°	3318.1	3585.4	3745.0	3780.1	3745.0	3585.4	3318.1	3009.5	2661.3	2296.1	1935.9
-50°	2013.8	2109.0	2161.4	2168.5	2161.4	2109.0	2013.8	1910.7	1804.7	1696.6	1588.1
-52.5°	1604.0	1621.1	1631.6	1637.8	1631.6	1621.1	1604.0	1584.1	1558.9	1521.7	1478.2
-55°	1544.3	1572.9	1589.0	1596.3	1589.0	1572.9	1544.3	1511.7	1474.5	1420.6	1361.3
-57.5°	1413.5	1442.5	1455.4	1458.7	1455.4	1442.5	1413.5	1380.6	1343.8	1288.9	1228.5
-60°	1273.7	1298.3	1306.0	1305.9	1306.0	1298.3	1273.7	1246.6	1216.8	1170.7	1116.9
-62.5°	1174.1	1199.7	1212.1	1218.5	1212.1	1199.7	1174.1	1146.7	1117.9	1073.1	1017.8
-65°	1046.5	1069.9	1079.7	1083.1	1079.7	1069.9	1046.5	1018.9	987.3	939.1	879.1
-67.5°	834.3	856.4	862.7	862.6	862.7	856.4	834.3	808.7	780.0	743.5	699.5
-70°	601.4	616.2	618.5	615.8	618.5	616.2	601.4	583.2	561.7	535.2	502.0
-72.5°	363.7	372.2	375.4	375.6	375.4	372.2	363.7	352.7	339.1	321.7	298.7
-75°	174.0	177.1	179.7	181.3	179.7	177.1	174.0	169.6	164.0	156.6	146.2
-77.5°	91.1	95.3	97.0	98.3	97.0	95.3	91.1	86.7	82.1	77.3	72.3
-80°	58.1	60.7	61.0	61.1	61.0	60.7	58.1	55.4	52.5	49.5	46.6
-82.5°	38.9	41.3	41.5	41.5	41.5	41.3	38.9	36.5	34.1	31.6	30.1
-85°	26.6	28.3	29.5	30.6	29.5	28.3	26.6	24.9	23.1	21.3	20.1
-87.5°	20.1	21.8	21.8	21.8	21.8	21.8	20.1	18.5	16.8	15.1	14.0
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.8	9.3	8.7	8.7	8.7	8.7	8.7	9.3	9.8	10.4	10.9
87.5°	3.3	3.9	4.4	5.0	5.5	6.1	6.6	7.1	7.7	8.2	8.7
85°	3.3	3.9	4.4	5.0	5.5	6.1	6.6	7.1	7.7	8.2	8.7
82.5°	5.1	5.6	6.0	6.1	6.2	6.4	6.6	7.2	7.7	8.2	8.8
80°	5.6	6.1	6.6	6.6	6.6	6.6	6.7	7.2	7.7	8.3	8.8
77.5°	5.6	6.2	6.7	6.9	7.0	7.0	6.9	7.3	7.8	8.3	8.9
75°	5.6	6.2	6.8	7.5	8.1	8.4	8.7	8.9	9.1	9.3	9.4
72.5°	9.6	9.9	10.1	10.2	9.7	10.1	10.7	11.1	11.3	11.2	10.7
70°	14.5	16.0	17.9	20.0	21.0	20.9	20.0	18.1	15.4	14.3	13.3
67.5°	17.0	19.0	22.3	26.0	28.4	30.3	31.8	32.2	30.5	27.2	20.1
65°	16.8	19.0	21.6	24.6	28.2	32.8	39.6	43.1	43.3	41.2	32.0
62.5°	14.2	16.8	18.5	20.6	23.5	28.4	36.2	43.3	50.1	52.1	41.8
60°	10.1	11.0	13.1	15.3	17.7	22.8	31.2	39.6	48.2	48.3	45.0
57.5°	8.9	9.4	10.9	12.1	13.0	17.3	24.7	34.3	43.6	42.3	40.0
55°	10.8	11.3	11.9	12.5	13.2	14.8	18.1	24.6	33.1	35.1	33.5
52.5°	12.9	13.5	14.2	14.7	14.9	14.7	14.7	18.6	22.5	25.9	27.1
50°	15.2	15.9	16.4	16.9	17.1	16.8	16.3	15.9	18.2	20.8	21.9
47.5°	20.1	20.9	19.6	19.4	20.8	19.6	18.9	19.1	20.2	19.4	20.5
45°	33.3	32.3	30.0	29.8	28.8	27.9	24.0	25.9	26.2	25.0	21.6
42.5°	63.9	54.4	47.3	47.8	45.0	41.9	38.3	37.5	36.3	33.3	31.3
40°	97.8	97.1	87.8	77.5	70.8	61.9	58.0	53.1	50.2	45.8	44.7
37.5°	139.2	135.6	141.6	136.4	116.8	99.2	87.1	74.4	66.2	70.4	66.9
35°	206.4	202.6	212.4	202.5	187.4	179.3	138.7	108.4	98.3	109.1	98.1
32.5°	307.5	356.1	340.3	314.1	327.6	308.4	246.0	169.8	168.8	166.1	147.2
30°	602.9	645.8	623.4	552.6	571.3	531.1	401.2	375.2	314.7	239.6	209.3
27.5°	1313.8	1071.0	1032.6	1017.7	902.7	827.2	762.4	687.0	529.7	388.7	290.8
25°	2248.2	1888.4	1631.8	1561.5	1419.3	1203.3	1166.4	1073.2	879.8	590.8	399.7
22.5°	3332.8	2836.5	2423.3	2167.4	1939.6	1676.1	1538.6	1480.0	1272.0	844.1	576.8
20°	4439.6	3779.9	3217.8	2809.2	2399.5	2084.7	1903.8	1811.2	1553.1	1151.9	761.9
17.5°	6985.5	4961.8	4119.3	3497.7	2919.1	2490.1	2316.0	2096.6	1833.6	1450.3	941.9
15°	10954.5	7655.7	5670.0	4480.2	3625.5	3150.7	2851.2	2431.5	2109.1	1713.8	1221.8
12.5°	20543.3	12252.6	7561.6	5848.5	4743.9	3971.0	3477.3	2902.6	2420.0	2075.5	1636.4
10°	30985.4	18633.9	11240.5	7832.6	6092.0	4909.3	4083.5	3379.8	2824.9	2470.5	2046.1
7.5°	43603.9	25835.1	15149.8	9739.4	7300.1	5708.6	4615.7	3785.8	3201.1	2840.4	2444.8
5°	53855.3	31047.7	17533.7	11167.5	8313.6	6458.8	5159.4	4130.2	3550.5	3187.2	2824.9
2.5°	60212.4	33849.1	18942.5	12351.4	9159.6	7088.7	5605.7	4423.2	3821.8	3412.2	3036.1
0°	61782.7	36055.9	20049.0	12388.4	9577.9	7479.3	5874.3	4679.8	4048.7	3601.0	3214.5
-2.5°	61892.3	35452.6	19812.2	12270.9	9374.0	7397.9	5882.7	4803.0	4178.1	3698.6	3280.1
-5°	57144.1	32305.3	18394.9	11849.5	9068.3	7212.5	5864.3	4915.2	4276.2	3780.4	3303.4
-7.5°	51675.2	28506.5	16581.0	11175.4	8634.0	6967.3	5836.3	5006.1	4343.1	3870.1	3334.5
-10°	41569.2	23988.0	14937.9	10597.2	8234.3	6713.6	5803.9	5034.5	4391.6	3943.4	3315.8
-12.5°	35095.2	20101.2	12940.5	9800.6	7912.3	6609.4	5776.1	4980.7	4424.8	4001.9	3243.8
-15°	26198.9	16762.5	11754.6	9209.0	7649.7	6471.4	5669.4	4822.9	4303.7	3972.5	3116.3
-17.5°	19514.6	13332.0	10066.4	8230.1	7016.3	6274.9	5451.1	4652.1	4096.7	3672.3	2792.8
-20°	13186.1	10366.6	8647.3	7234.1	6203.1	5588.1	5023.4	4353.3	3841.5	3243.2	2383.7



REPORT NUMBER: P731603 (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°	9779.3	8274.8	7061.5	6067.7	5380.8	4863.4	4388.4	3907.5	3525.7	2798.9	1966.4
-25°	7598.0	6543.6	5752.0	5220.1	4630.0	4150.5	3809.3	3513.4	3032.9	2334.6	1591.4
-27.5°	6096.3	5362.6	4938.5	4545.9	4088.2	3654.0	3370.3	3112.8	2536.6	1876.8	1468.4
-30°	5100.3	4771.9	4412.4	4039.5	3692.6	3343.5	3052.7	2586.9	2054.7	1521.8	1357.5
-32.5°	4562.3	4311.9	3997.4	3665.7	3372.2	3119.5	2660.9	2088.1	1600.3	1406.4	1265.7
-35°	4169.3	3912.7	3612.3	3365.9	3140.5	2752.6	2251.5	1693.5	1423.6	1299.7	1180.3
-37.5°	3808.4	3533.2	3323.5	3098.6	2764.9	2323.1	1769.3	1477.3	1323.4	1211.5	1089.5
-40°	3574.3	3318.3	2988.0	2698.0	2244.7	1742.4	1520.7	1369.6	1249.3	1118.4	992.6
-42.5°	3212.5	2882.3	2485.8	2032.1	1661.7	1528.0	1399.4	1286.3	1161.5	1023.4	899.7
-45°	2520.4	2113.3	1742.2	1615.2	1492.3	1397.1	1305.8	1184.4	1053.8	929.8	808.3
-47.5°	1766.2	1644.3	1530.4	1452.3	1374.6	1287.7	1180.8	1064.4	949.1	835.8	740.3
-50°	1513.2	1467.1	1409.7	1336.6	1246.4	1150.4	1052.1	949.3	850.4	761.6	670.9
-52.5°	1425.3	1358.0	1282.1	1196.5	1109.1	1022.2	930.9	852.6	770.4	687.2	601.7
-55°	1296.4	1225.6	1149.2	1067.0	983.7	916.1	844.3	768.6	692.2	613.0	538.8
-57.5°	1164.3	1098.3	1032.6	964.7	894.6	824.6	754.1	683.6	615.0	545.0	477.6
-60°	1059.2	997.9	934.6	866.9	794.5	725.0	664.8	602.5	538.2	482.2	424.6
-62.5°	959.4	898.0	831.1	762.5	697.5	637.4	580.6	526.2	475.8	424.7	359.5
-65°	819.4	760.9	703.9	648.3	594.5	543.2	495.4	442.9	389.2	338.3	281.8
-67.5°	656.0	613.9	570.3	523.0	470.4	420.0	372.1	326.9	283.6	240.9	191.7
-70°	466.2	428.0	388.2	348.9	312.9	277.8	242.0	206.3	170.9	143.6	115.4
-72.5°	274.0	247.8	221.2	195.0	167.6	148.1	130.8	112.6	92.9	71.8	55.9
-75°	134.8	122.4	109.5	96.9	83.3	68.5	60.6	56.1	51.4	46.5	41.4
-77.5°	67.2	62.1	57.2	53.6	50.1	46.6	43.1	39.5	36.7	34.1	31.7
-80°	43.6	40.6	37.8	36.1	34.2	32.3	30.3	28.5	26.9	25.6	24.2
-82.5°	28.5	26.9	25.3	24.1	22.9	21.6	20.3	19.4	18.5	17.6	16.6
-85°	18.8	17.5	16.2	15.6	14.9	14.3	13.7	13.7	13.8	13.9	14.0
-87.5°	12.9	11.8	10.7	10.7	10.6	10.6	10.5	11.0	11.5	12.0	12.5
-90°	3.3	3.9	4.4	5.0	5.5	6.1	6.6	7.1	7.7	8.2	8.7



REPORT NUMBER: P731603 (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°	10.9	10.9	10.9	10.9	11.5	12.0	12.6	13.1	12.5	12.0	11.5
87.5°	8.7	8.7	8.7	8.7	9.3	9.8	10.4	10.9	10.9	10.9	10.9
85°	8.9	9.0	9.1	9.0	9.4	9.8	10.4	10.9	10.9	10.9	10.9
82.5°	9.3	9.8	10.1	10.3	10.3	10.4	10.6	10.9	11.0	10.9	10.9
80°	9.3	9.9	10.4	10.9	10.9	10.9	10.8	11.0	11.2	11.3	11.2
77.5°	9.4	9.9	10.5	10.9	10.9	10.9	10.9	11.0	11.5	11.7	11.8
75°	9.5	10.0	10.6	10.9	10.9	10.9	10.9	11.1	11.6	12.1	12.3
72.5°	10.5	10.5	10.7	10.9	10.9	10.9	10.9	11.1	11.7	12.2	12.7
70°	12.1	11.1	10.9	11.1	11.1	10.9	10.9	11.2	11.7	12.2	12.8
67.5°	14.2	12.9	11.8	11.5	11.6	11.5	11.0	11.3	11.8	12.3	12.8
65°	23.6	17.1	13.0	12.5	12.3	12.3	12.0	11.6	11.9	12.4	12.9
62.5°	32.1	23.3	17.5	14.2	12.9	12.8	12.9	12.3	12.0	12.5	13.0
60°	40.2	30.1	22.3	17.8	14.5	13.0	13.1	12.9	12.5	12.6	13.0
57.5°	37.2	34.9	28.4	21.7	17.2	14.2	13.1	13.1	12.9	12.8	13.1
55°	31.7	30.5	31.3	26.2	20.1	16.1	13.7	13.1	13.1	12.9	13.1
52.5°	25.8	27.4	29.7	28.6	23.2	18.0	15.1	13.1	13.1	13.1	13.1
50°	21.3	24.6	28.4	29.1	25.5	20.2	16.4	14.1	13.1	13.1	13.2
47.5°	21.3	24.2	26.6	29.7	27.5	22.2	17.9	15.1	13.1	13.1	13.4
45°	24.6	26.0	26.8	28.7	29.4	23.7	19.2	15.9	13.8	13.2	13.6
42.5°	30.0	30.5	29.8	28.2	29.2	24.8	20.2	16.7	14.4	13.4	13.8
40°	41.5	37.4	34.4	33.5	30.3	25.6	20.8	17.3	14.9	13.7	13.9
37.5°	55.1	48.3	42.0	43.1	34.8	28.0	21.2	17.6	15.7	14.3	14.0
35°	80.3	62.6	59.9	58.2	46.7	31.6	21.2	17.7	16.6	14.9	14.1
32.5°	110.4	92.9	89.9	78.2	61.9	36.5	23.4	19.2	17.6	15.5	14.3
30°	167.0	150.1	128.7	102.0	80.7	50.6	28.9	21.2	18.7	16.1	14.5
27.5°	257.3	217.3	177.6	137.7	103.3	67.7	35.9	23.6	20.0	16.8	15.0
25°	354.1	300.3	242.3	181.6	128.4	92.3	42.8	26.6	21.7	17.8	15.4
22.5°	456.3	389.8	313.5	230.6	164.5	121.5	56.3	32.4	23.9	18.8	15.9
20°	560.3	482.3	393.3	289.3	209.0	152.3	78.2	38.0	26.2	19.8	16.3
17.5°	674.8	594.9	496.4	363.4	257.4	184.6	102.1	43.4	28.7	20.9	16.7
15°	893.5	731.5	609.3	444.0	305.1	217.9	127.5	48.6	31.3	22.0	17.1
12.5°	1160.2	869.4	729.3	529.0	351.8	251.5	153.5	53.5	34.0	23.8	17.6
10°	1453.5	1007.3	853.4	616.1	397.1	284.9	179.4	62.0	39.2	26.4	18.1
7.5°	1761.1	1144.0	978.5	702.7	445.7	332.0	230.0	79.4	44.8	29.2	18.5
5°	2047.0	1267.2	1102.5	810.4	521.3	392.6	284.5	97.6	50.5	31.9	18.9
2.5°	2217.9	1367.4	1219.0	915.1	594.4	450.9	337.4	115.8	55.9	34.6	19.3
0°	2356.3	1460.9	1325.5	1011.1	663.9	506.6	386.5	133.2	61.1	37.1	19.7
-2.5°	2384.7	1514.1	1362.5	1065.6	729.1	561.1	426.1	161.9	81.2	49.2	26.2
-5°	2378.9	1561.0	1391.2	1110.6	789.2	611.7	459.2	188.7	100.4	60.8	32.4
-7.5°	2371.9	1583.3	1406.1	1143.2	843.6	657.6	485.1	213.1	118.5	71.7	38.3
-10°	2320.0	1588.2	1402.4	1138.7	855.2	676.4	499.4	234.6	134.9	81.5	43.5
-12.5°	2207.3	1587.3	1392.6	1124.3	852.2	670.5	484.5	249.5	149.3	90.0	47.9
-15°	2027.7	1580.6	1377.3	1100.0	840.5	660.6	466.9	260.0	160.8	97.6	51.3
-17.5°	1764.4	1568.2	1357.4	1065.6	819.4	646.9	447.8	267.5	170.5	104.5	54.5
-20°	1640.6	1508.0	1329.0	1021.4	788.2	629.3	428.0	271.8	178.2	109.4	57.3



REPORT NUMBER: P731603 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1549.0	1408.3	1226.3	980.5	754.9	608.0	408.4	272.8	183.8	112.4	58.7
-25°	1443.0	1306.0	1117.0	905.2	727.0	577.0	398.0	270.5	187.1	113.3	58.7
-27.5°	1328.4	1197.7	1013.2	830.1	685.8	549.0	393.1	273.0	188.1	111.9	57.2
-30°	1213.1	1084.7	925.1	762.4	642.7	510.7	384.1	272.9	186.2	109.6	54.1
-32.5°	1124.5	982.2	842.7	712.8	597.6	471.8	362.6	269.7	181.1	105.9	51.8
-35°	1041.2	899.2	765.3	662.0	552.6	439.2	337.4	263.5	172.8	99.8	49.0
-37.5°	954.5	823.7	709.1	611.6	508.1	404.1	317.0	243.9	161.2	91.3	44.9
-40°	870.9	754.2	655.7	563.9	466.0	366.5	294.6	221.6	148.7	80.5	39.4
-42.5°	787.0	693.7	603.1	517.0	422.4	339.4	270.1	197.7	131.0	71.2	32.7
-45°	719.1	631.8	548.4	465.6	378.7	310.6	242.1	172.8	111.2	61.9	27.6
-47.5°	649.2	569.2	493.1	414.3	344.8	279.3	212.6	148.9	90.0	50.9	26.0
-50°	578.8	508.2	439.2	371.9	309.0	245.3	182.1	123.2	75.1	37.8	24.1
-52.5°	520.5	453.0	390.9	331.0	270.5	209.9	151.5	96.9	59.0	31.6	21.7
-55°	466.8	401.2	344.8	287.7	230.2	173.5	119.2	77.3	41.8	28.2	19.3
-57.5°	415.7	351.4	296.2	242.3	187.6	135.1	91.8	56.5	34.3	24.5	19.0
-60°	363.1	299.6	245.5	192.9	142.2	100.3	66.8	39.8	29.5	21.1	18.6
-62.5°	298.9	241.9	187.8	139.9	101.8	70.1	44.1	33.6	24.2	20.3	18.1
-65°	225.7	173.8	127.7	96.0	66.3	44.7	36.2	27.0	22.1	19.4	17.5
-67.5°	145.3	112.7	82.1	54.9	43.6	36.1	28.0	23.5	20.6	18.3	16.9
-70°	86.9	60.0	47.5	41.0	34.4	28.0	24.4	21.3	18.9	17.4	16.2
-72.5°	49.3	43.1	37.2	31.7	28.1	24.7	21.6	19.1	17.6	16.4	15.5
-75°	36.2	32.9	30.1	27.2	24.1	21.3	19.2	17.5	16.3	15.4	14.8
-77.5°	29.2	26.9	24.7	22.8	20.7	18.9	17.1	15.7	15.1	14.6	14.2
-80°	22.6	21.3	20.2	19.2	17.7	16.3	15.3	14.6	14.3	13.9	13.5
-82.5°	16.1	16.2	16.3	16.2	15.4	14.7	14.1	13.7	13.4	13.2	12.9
-85°	14.1	14.0	13.9	13.7	13.4	13.1	13.1	13.1	13.0	12.7	12.4
-87.5°	12.4	12.3	12.2	12.2	12.3	12.6	12.8	13.1	12.8	12.4	11.9
-90°	8.7	8.7	8.7	8.7	9.3	9.8	10.4	10.9	10.9	10.9	10.9



REPORT NUMBER: P731603 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.9	10.9	10.9	10.9	10.9	10.9	10.9
87.5°	10.9	11.0	11.1	11.1	11.1	10.9	10.9
85°	10.9	11.1	11.3	11.3	11.3	11.0	10.9
82.5°	10.9	11.3	11.5	11.5	11.5	11.0	10.9
80°	11.0	11.4	11.7	11.8	11.7	11.1	10.9
77.5°	11.6	11.6	11.9	12.0	11.8	11.1	10.9
75°	12.1	12.0	12.1	12.2	12.0	11.2	10.9
72.5°	12.7	12.3	12.3	12.5	12.2	11.2	10.9
70°	13.1	12.7	12.5	12.7	12.3	11.3	10.9
67.5°	13.1	13.0	12.7	12.7	12.5	11.3	10.9
65°	13.1	13.1	12.8	12.8	12.6	11.3	10.9
62.5°	13.1	13.1	13.0	12.9	12.7	11.4	10.9
60°	13.1	13.1	13.1	12.9	12.8	11.4	10.9
57.5°	13.1	13.1	13.1	13.0	12.8	11.4	10.9
55°	13.1	13.1	13.1	13.0	12.8	11.4	10.9
52.5°	13.1	13.1	13.1	13.1	12.7	11.4	10.9
50°	13.1	13.1	13.1	13.1	12.7	11.4	10.9
47.5°	13.1	13.1	13.1	13.1	12.7	11.4	10.9
45°	13.3	13.1	13.1	13.1	12.7	11.5	10.9
42.5°	13.5	13.1	13.1	13.1	12.7	11.4	10.9
40°	13.8	13.1	13.1	13.1	12.7	11.4	10.9
37.5°	14.0	13.1	13.1	13.1	12.7	11.4	10.9
35°	14.3	13.2	13.1	13.1	12.8	11.4	10.9
32.5°	14.6	13.5	13.1	13.1	12.8	11.4	10.9
30°	14.7	13.7	13.1	13.1	12.8	11.4	10.9
27.5°	14.8	14.0	13.1	13.1	12.8	11.4	10.9
25°	15.0	14.2	13.1	13.1	12.9	11.3	10.9
22.5°	15.1	14.5	13.1	13.1	12.9	11.3	10.9
20°	15.2	14.6	13.1	13.1	12.9	11.3	10.9
17.5°	15.4	14.8	13.1	13.1	13.0	11.2	10.9
15°	15.7	14.9	13.1	13.1	13.0	11.2	10.9
12.5°	15.9	15.0	13.1	13.1	13.0	11.1	10.9
10°	16.2	15.1	13.1	13.1	13.0	11.1	10.9
7.5°	16.5	15.2	13.1	13.1	13.1	11.0	10.9
5°	16.9	15.3	13.1	13.1	13.1	11.0	10.9
2.5°	17.2	15.3	13.1	13.1	13.1	10.9	10.9
0°	17.5	15.3	13.1	13.1	13.1	10.9	10.9
-2.5°	19.2	15.3	13.1	13.1	13.1	10.9	10.9
-5°	20.9	15.3	13.1	13.1	13.1	10.9	10.9
-7.5°	22.4	15.2	13.1	13.1	13.1	10.9	10.9
-10°	23.6	15.1	13.1	13.1	13.0	10.9	10.9
-12.5°	24.6	15.0	13.1	13.1	13.0	10.9	10.9
-15°	25.3	14.9	13.1	13.1	12.9	10.9	10.9
-17.5°	25.5	14.8	13.1	13.1	12.9	10.9	10.9
-20°	25.9	14.6	13.1	13.1	12.8	10.9	10.9



REPORT NUMBER: P731603 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.7	14.5	13.1	13.1	12.8	10.9	10.9
-25°	26.7	14.7	13.1	13.1	12.7	10.9	10.9
-27.5°	26.0	15.0	13.1	13.1	12.6	10.9	10.9
-30°	24.4	15.1	13.1	13.1	12.5	10.9	10.9
-32.5°	22.1	15.1	13.3	13.1	12.4	10.9	10.9
-35°	21.2	15.0	13.5	13.1	12.3	10.9	10.9
-37.5°	21.0	14.8	13.6	13.1	12.2	10.9	10.9
-40°	20.5	15.0	13.8	13.1	12.1	10.9	10.9
-42.5°	19.7	15.2	13.9	13.1	11.9	10.9	10.9
-45°	18.7	15.3	13.9	13.2	11.8	10.9	10.9
-47.5°	17.4	15.3	14.0	13.2	11.7	10.9	10.9
-50°	17.2	15.3	14.0	13.1	11.5	10.9	10.9
-52.5°	17.1	15.3	14.0	12.9	11.4	10.9	10.9
-55°	17.0	15.3	14.0	12.7	11.2	10.9	10.9
-57.5°	16.8	15.2	14.0	12.5	11.1	10.9	10.9
-60°	16.6	15.0	13.9	12.3	10.9	10.9	10.9
-62.5°	16.3	14.8	13.6	12.1	10.9	10.9	10.9
-65°	16.0	14.6	13.3	11.9	10.9	10.9	10.9
-67.5°	15.6	14.3	13.0	11.6	10.9	10.9	10.9
-70°	15.2	13.9	12.7	11.4	10.9	10.9	10.9
-72.5°	14.7	13.5	12.3	11.3	10.9	10.9	10.9
-75°	14.2	13.1	12.0	11.3	10.9	10.9	10.9
-77.5°	13.7	12.6	11.8	11.2	10.9	10.9	10.9
-80°	13.1	12.3	11.6	11.2	10.9	10.9	10.9
-82.5°	12.6	12.0	11.5	11.1	10.9	10.9	10.9
-85°	12.0	11.6	11.3	11.0	10.9	10.9	10.9
-87.5°	11.5	11.3	11.1	11.0	10.9	10.9	10.9
-90°	10.9	10.9	10.9	10.9	10.9	10.9	10.9

(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

