

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: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-4S-CV1-S**

Issue Date: 8/29/2023

Test Information

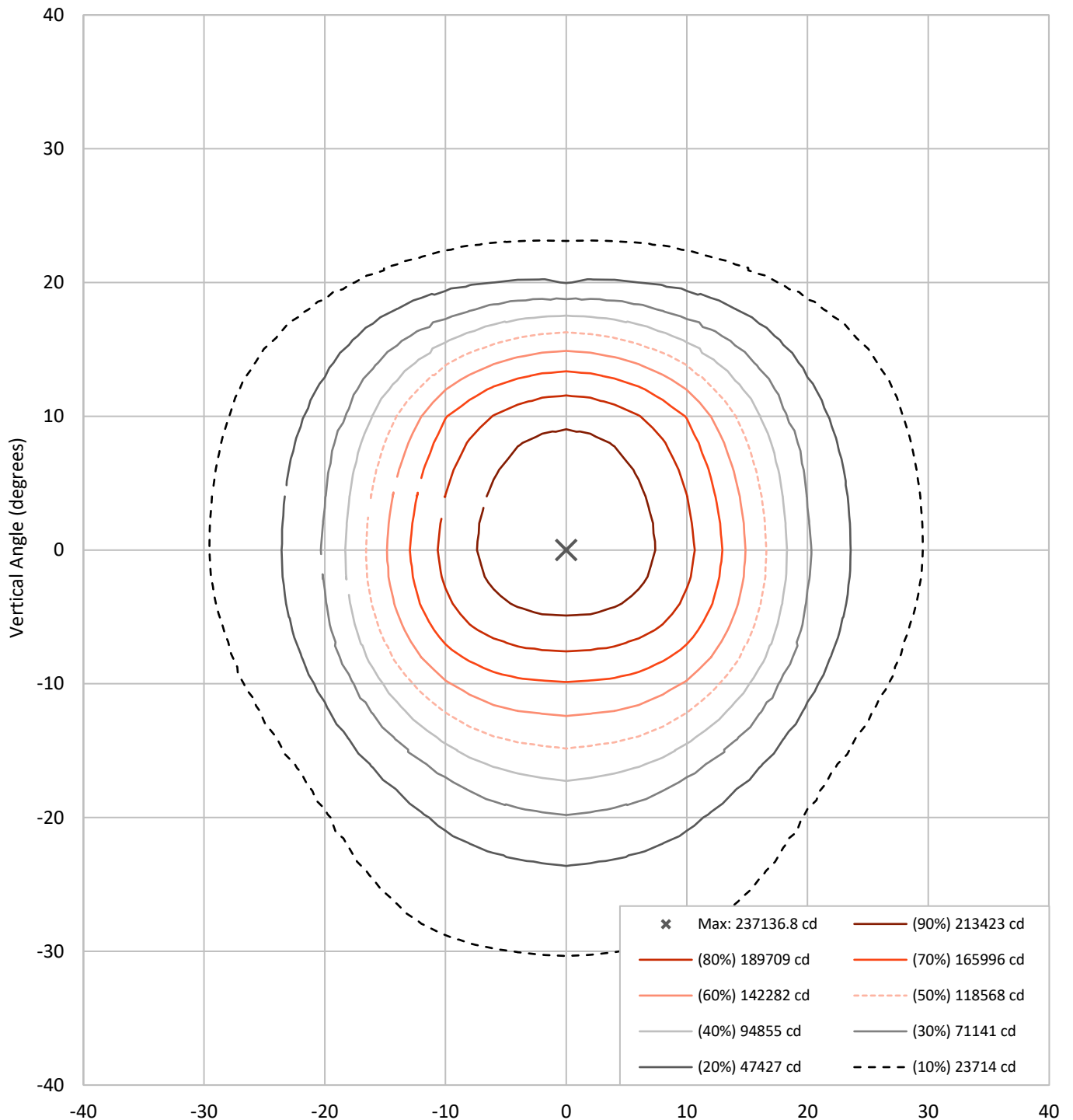
Test Method: LM-79-08
Report Number: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-4S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	80797.3 lumens	Max Intensity:	237136.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	44158.9 lumens	Field Lumens:	71154.4 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%
Input Watts (W):	697.5		
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





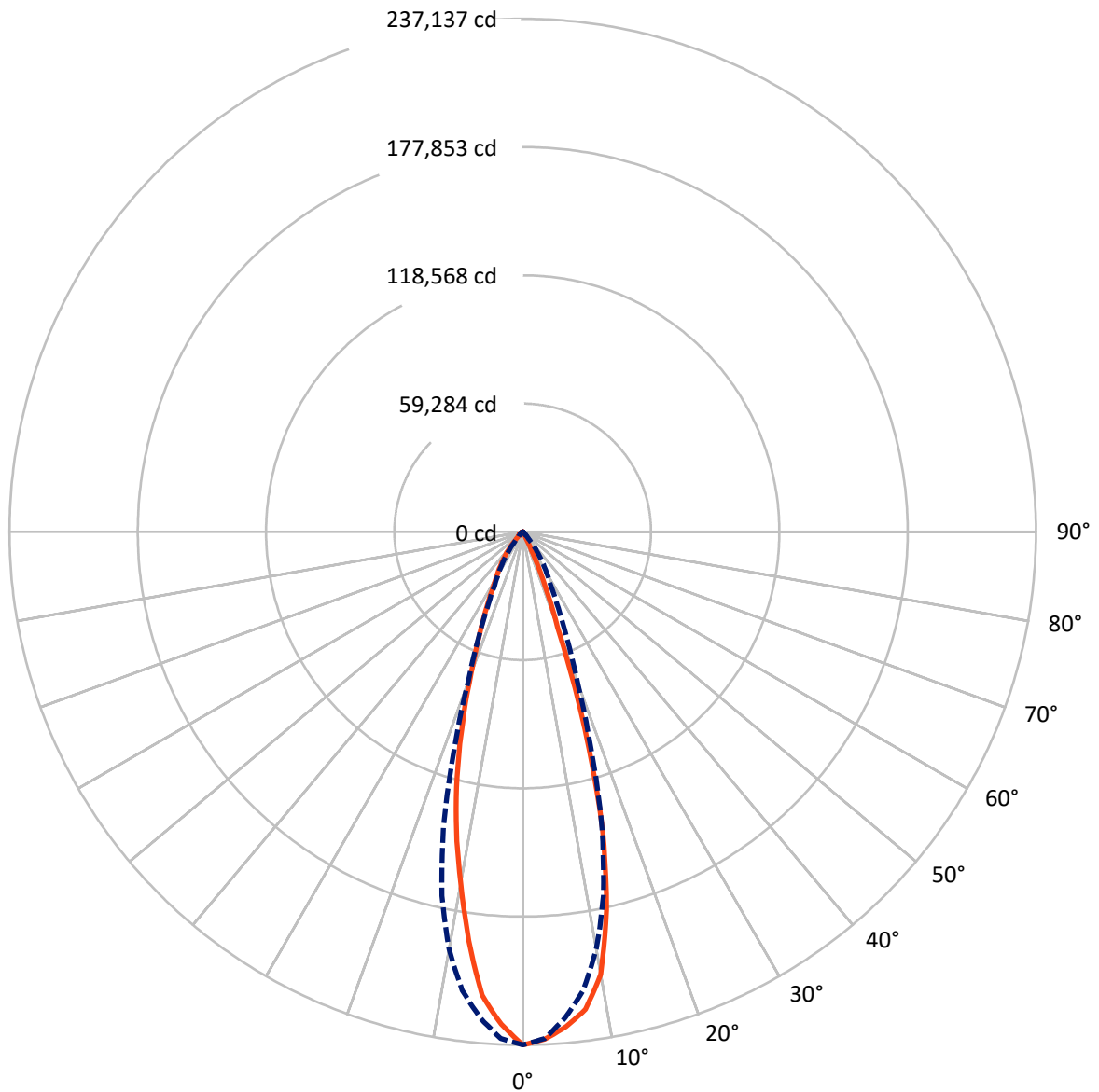
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Lumen Table

90	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1					
80	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1					
70	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1
60		0.1	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.3	0.1	
50	0.1	0.1	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.1	0.1
40		0.2	0.9	2.4	4.4	7.6	11.6	14.3	14.3	11.6	7.6	4.4	2.4	0.9	0.2	
30	0.1	0.4	4.0	12.1	48.0	149.8	299.9	486.9	486.9	299.9	149.8	48.0	12.1	4.0	0.4	0.1
20		1.2	9.0	29.3	198.2	677.0	2020.4	3766.9	3766.9	2020.4	677.0	198.2	29.3	9.0	1.2	
10	0.2	2.0	12.3	41.8	308.8	1100.0	3772.0	6460.6	6460.6	3772.0	1100.0	308.8	41.8	12.3	2.0	0.2
0		2.6	13.2	43.0	304.9	1061.1	3650.9	6013.7	6013.7	3650.9	1061.1	304.9	43.0	13.2	2.6	
-10	0.5	3.1	12.6	33.2	181.2	599.5	1842.4	3284.2	3284.2	1842.4	599.5	181.2	33.2	12.6	3.1	0.5
-20		3.1	12.1	25.6	85.4	325.0	748.7	1194.4	1194.4	748.7	325.0	85.4	25.6	12.1	3.1	
-30	0.4	2.6	10.9	21.8	42.1	120.7	302.3	459.3	459.3	302.3	120.7	42.1	21.8	10.9	2.6	0.4
-40		1.6	7.9	18.7	31.5	48.1	73.1	99.2	99.2	73.1	48.1	31.5	18.7	7.9	1.6	
-50	0.2	0.8	4.1	12.2	23.7	34.1	43.8	50.2	50.2	43.8	34.1	23.7	12.2	4.1	0.8	0.2
-60		0.3	1.4	4.3	9.5	15.9	22.4	25.9	25.9	22.4	15.9	9.5	4.3	1.4	0.3	
-70																
-80	0.1	0.7	3.0	7.6	10.1	7.6	3.0	0.7	0.1							
-90																

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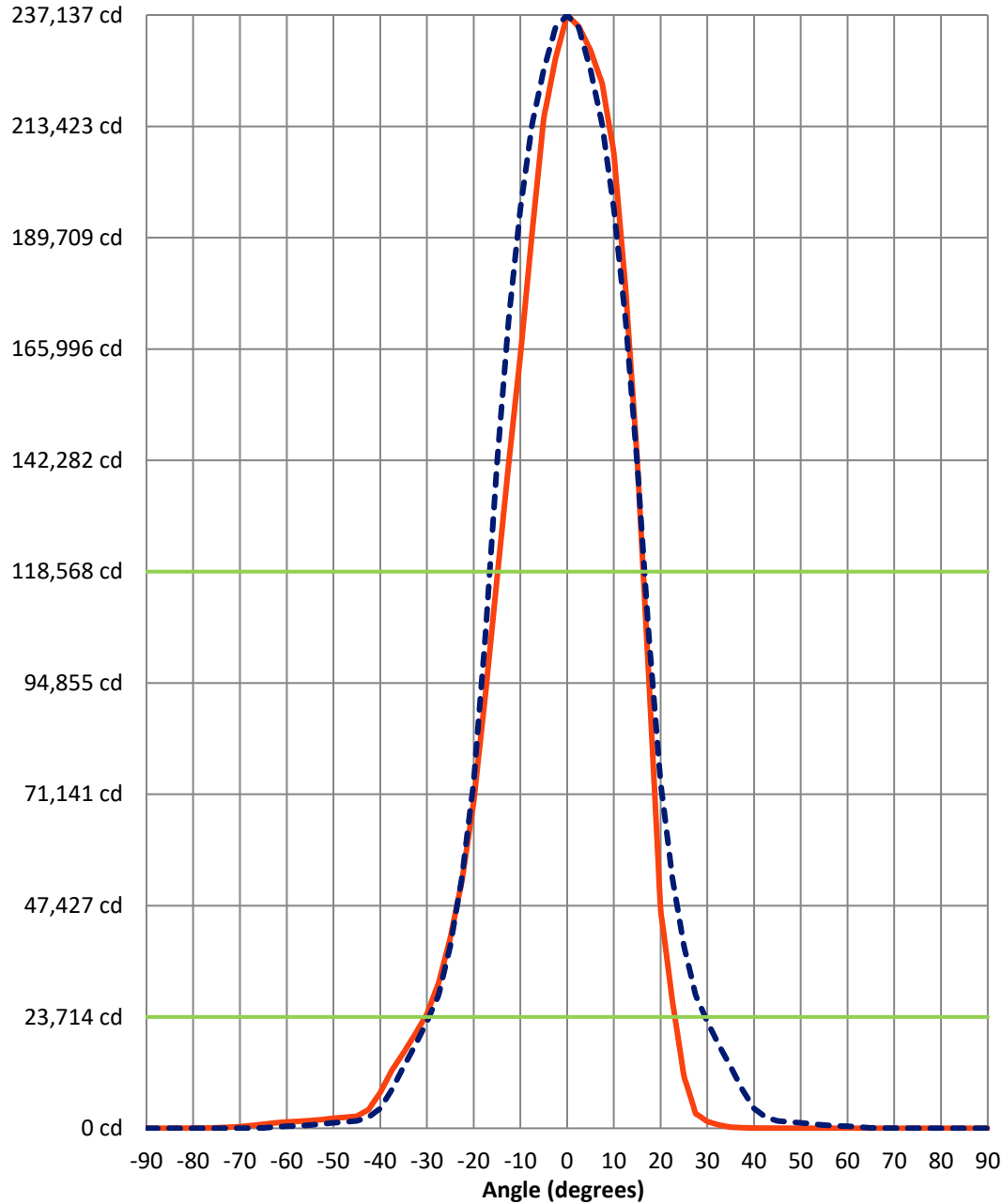
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 44158.9
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 71154.4
 Efficiency: 88.1%

Spill:
 Lumens: 9642.9
 Efficiency: 11.9%

- 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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	4.1	3.1	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0
85°	4.1	3.1	2.4	2.4	2.4	2.2	2.0	2.0	2.0	2.0	2.0
82.5°	4.1	3.2	2.6	2.6	2.6	2.4	2.0	2.0	2.0	2.1	2.0
80°	4.1	3.2	2.7	2.8	2.7	2.5	2.1	2.3	2.4	2.3	2.0
77.5°	4.1	3.3	2.9	3.0	2.9	2.7	2.6	2.8	2.8	2.6	2.3
75°	4.1	3.3	3.1	3.3	3.1	3.0	3.2	3.3	3.2	3.1	3.2
72.5°	4.1	3.4	3.3	3.5	3.3	3.4	3.7	3.8	3.5	3.6	4.0
70°	4.1	3.5	3.5	3.7	3.5	3.7	4.1	3.9	3.8	4.1	4.1
67.5°	4.1	3.5	3.6	3.8	3.7	4.0	4.1	4.0	4.1	4.1	4.1
65°	4.1	3.6	3.8	3.8	3.8	4.1	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	3.6	4.0	3.9	4.0	4.1	4.1	4.1	4.1	4.1	4.1
60°	4.1	3.6	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	3.7	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
55°	4.1	3.7	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
52.5°	4.1	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
50°	4.1	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.4
47.5°	4.1	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.7
45°	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.2	5.2	8.0
42.5°	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.2	4.3	6.4	9.7
40°	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.8	7.5	11.4
37.5°	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.5	5.8	8.8	13.2
35°	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.8	6.8	10.4	14.7
32.5°	4.1	4.0	4.1	4.1	4.1	4.1	4.2	5.0	7.8	11.9	16.2
30°	4.1	4.0	4.1	4.1	4.1	4.1	4.4	5.5	8.7	13.4	18.0
27.5°	4.1	4.0	4.1	4.1	4.1	4.1	4.6	6.2	9.7	14.8	20.1
25°	4.1	4.1	4.1	4.1	4.1	4.1	4.8	6.9	10.8	16.3	22.5
22.5°	4.1	4.1	4.1	4.1	4.1	4.1	5.1	7.6	11.9	18.1	27.3
20°	4.1	4.1	4.1	4.1	4.1	4.3	5.3	8.2	12.9	20.0	32.6
17.5°	4.1	4.1	4.1	4.1	4.1	4.5	5.7	8.7	13.8	21.9	38.1
15°	4.1	4.1	4.1	4.1	4.1	4.7	6.1	9.4	14.6	23.9	43.9
12.5°	4.1	4.1	4.1	4.1	4.1	4.9	6.5	10.3	15.9	25.8	49.7
10°	4.1	4.1	4.1	4.1	4.1	5.1	6.9	11.2	17.7	29.3	55.7
7.5°	4.1	4.1	4.1	4.1	4.1	5.4	7.3	12.0	19.6	33.0	62.1
5°	4.1	4.1	4.1	4.1	4.1	5.6	7.6	12.9	21.3	36.5	67.9
2.5°	4.1	4.1	4.1	4.1	4.1	5.9	7.9	13.6	23.0	39.9	73.2
0°	4.1	4.1	4.1	4.1	4.1	6.1	8.2	14.3	24.6	43.0	77.8
-2.5°	4.1	4.1	4.1	4.1	4.3	6.8	10.1	18.1	33.1	58.0	100.3
-5°	4.1	4.1	4.1	4.1	4.4	7.4	11.9	21.8	41.1	72.4	121.7
-7.5°	4.1	4.1	4.1	4.1	4.6	8.0	13.6	25.2	48.6	85.8	141.5
-10°	4.1	4.1	4.1	4.1	4.8	8.5	15.2	28.3	55.3	97.8	159.5
-12.5°	4.1	4.1	4.1	4.1	4.9	9.0	16.6	31.1	61.0	108.2	175.3
-15°	4.1	4.1	4.1	4.1	5.0	9.3	17.8	33.4	65.6	116.1	188.4
-17.5°	4.1	4.1	4.1	4.1	5.1	9.6	18.7	35.6	69.1	122.1	198.0
-20°	4.1	4.1	4.1	4.1	5.1	9.8	19.4	37.5	71.4	125.9	203.9



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.1	4.1	4.1	4.1	5.2	9.8	20.2	38.8	72.1	127.2	205.7
-25°	4.1	4.1	4.1	4.1	5.2	9.8	20.5	39.3	71.4	126.0	203.2
-27.5°	4.1	4.1	4.1	4.1	5.1	9.8	20.4	39.1	69.0	123.3	201.4
-30°	4.1	4.1	4.1	4.1	5.0	9.6	19.9	38.1	67.4	120.3	196.2
-32.5°	4.1	4.1	4.1	4.1	5.1	9.2	18.9	37.2	66.1	115.1	187.4
-35°	4.1	4.1	4.1	4.1	5.2	8.7	18.1	36.0	63.7	107.6	174.8
-37.5°	4.1	4.1	4.1	4.1	5.2	8.2	17.4	34.1	60.1	97.8	159.3
-40°	4.1	4.1	4.1	4.1	5.1	8.2	16.4	31.4	55.3	90.7	143.7
-42.5°	4.1	4.1	4.1	4.1	5.2	8.1	15.0	28.1	50.8	82.8	125.8
-45°	4.1	4.1	4.1	4.2	5.2	8.0	13.4	25.0	46.2	73.7	107.1
-47.5°	4.1	4.1	4.1	4.2	5.3	7.8	11.5	22.7	40.6	63.6	95.7
-50°	4.1	4.1	4.1	4.2	5.3	7.5	10.9	20.0	33.5	55.4	83.2
-52.5°	4.1	4.1	4.1	4.3	5.2	7.2	10.5	16.9	28.4	46.2	70.0
-55°	4.1	4.1	4.1	4.3	5.1	7.0	10.1	13.8	24.1	36.2	58.3
-57.5°	4.1	4.1	4.1	4.3	5.0	6.8	9.5	13.1	19.5	29.8	45.5
-60°	4.1	4.1	4.1	4.2	4.8	6.4	8.9	12.2	15.6	24.4	34.3
-62.5°	4.1	4.1	4.1	4.2	4.8	6.1	8.3	11.3	14.4	18.7	27.9
-65°	4.1	4.1	4.1	4.2	4.7	5.6	7.6	10.3	13.1	16.3	21.3
-67.5°	4.1	4.1	4.1	4.2	4.5	5.3	6.9	9.2	11.7	14.6	17.8
-70°	4.1	4.1	4.1	4.1	4.4	5.0	6.0	8.2	10.5	12.8	15.7
-72.5°	4.1	4.1	4.1	4.1	4.3	4.8	5.6	7.1	9.3	11.4	13.6
-75°	4.1	4.1	4.1	4.1	4.1	4.5	5.1	6.4	8.0	10.0	12.0
-77.5°	4.1	4.1	4.1	4.1	4.1	4.2	4.6	5.7	7.1	8.6	10.4
-80°	4.1	4.1	4.1	4.1	4.1	4.1	4.2	5.0	6.1	7.4	8.8
-82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.5	5.1	6.1	7.1
-85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.4	4.8	5.2	5.8
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.4	4.7	4.9
-90°	4.1	3.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.6	2.8
80°	2.0	2.0	2.1	2.0	2.2	2.5	3.0	3.6	4.0	4.1	4.1
77.5°	2.5	2.6	2.4	2.1	2.4	2.9	3.4	4.0	4.1	4.1	4.1
75°	3.3	3.2	2.7	2.2	2.3	2.8	3.4	3.9	4.1	4.1	4.1
72.5°	3.8	3.3	2.8	2.3	2.7	3.4	3.8	4.1	5.1	6.3	7.1
70°	3.9	3.4	3.2	3.3	3.7	4.5	6.3	8.6	10.8	11.6	12.4
67.5°	4.0	3.7	3.8	4.3	5.7	7.7	10.3	13.5	16.8	17.9	19.1
65°	4.1	4.0	4.6	6.0	8.0	11.1	14.6	18.4	24.0	26.8	28.1
62.5°	4.1	4.4	5.5	7.7	11.0	14.7	19.4	25.6	32.9	37.7	37.5
60°	4.1	4.6	6.8	10.2	14.0	18.4	24.5	32.9	43.4	50.9	45.9
57.5°	4.1	5.5	8.8	12.5	16.7	21.6	30.0	40.4	50.0	60.1	51.5
55°	4.7	7.0	10.6	14.6	19.5	25.4	33.6	41.8	52.3	56.1	46.9
52.5°	6.3	8.6	12.2	16.8	22.7	27.4	31.9	39.3	43.2	45.0	38.7
50°	7.8	10.4	13.6	19.4	24.4	27.1	27.7	32.3	34.1	32.5	29.5
47.5°	9.5	12.2	15.6	21.2	24.6	25.9	24.9	25.8	25.7	25.3	21.3
45°	11.3	14.4	18.0	21.8	24.4	24.1	23.7	20.8	23.6	22.8	21.0
42.5°	13.2	16.5	20.1	22.7	23.3	24.6	24.5	25.3	25.4	26.6	28.7
40°	15.0	18.5	22.6	24.4	23.8	27.6	33.1	35.9	32.2	38.9	44.6
37.5°	16.5	21.0	26.4	30.5	28.2	36.5	45.5	59.9	61.9	57.5	73.5
35°	17.9	23.9	35.0	44.7	47.2	51.0	76.2	99.2	113.4	105.1	117.3
32.5°	20.1	27.1	46.7	67.9	84.8	89.5	116.0	164.2	192.3	197.1	189.2
30°	23.6	38.1	64.4	97.3	134.9	168.6	191.9	247.0	292.9	343.1	372.9
27.5°	28.9	52.3	92.6	143.6	200.3	263.4	315.7	358.2	442.3	527.6	600.9
25°	35.0	81.3	124.8	201.5	291.6	378.6	451.5	516.6	627.4	760.5	983.3
22.5°	50.2	118.5	178.6	266.6	393.2	503.3	601.6	702.8	838.0	1017.5	1483.3
20°	77.3	164.9	240.0	333.7	497.9	633.2	758.0	885.4	1054.8	1430.4	2452.4
17.5°	108.6	213.4	299.1	407.6	576.0	748.1	919.4	1059.6	1264.8	1819.1	3519.6
15°	142.9	263.3	352.4	475.3	650.0	837.3	1028.6	1229.4	1542.2	2337.2	4532.5
12.5°	179.2	313.7	400.5	536.6	719.5	922.1	1116.2	1333.6	1792.7	3123.2	5821.3
10°	216.2	363.9	443.9	591.8	784.0	1001.7	1194.4	1421.4	1988.8	3626.3	6721.3
7.5°	239.9	399.6	479.3	640.9	842.9	1075.1	1263.6	1493.8	2155.1	3945.6	7350.3
5°	257.8	417.8	490.9	663.0	881.6	1128.7	1317.2	1551.9	2289.1	4101.7	7785.1
2.5°	271.4	432.1	500.4	676.3	905.2	1153.7	1333.2	1573.8	2344.6	4196.1	8086.2
0°	280.6	442.4	507.9	684.0	921.6	1169.4	1341.5	1585.2	2353.2	4223.1	8233.1
-2.5°	296.0	450.5	523.2	697.8	930.3	1174.4	1348.4	1594.2	2387.6	4349.4	8457.5
-5°	307.2	455.3	536.2	706.4	931.6	1170.8	1348.3	1592.0	2367.7	4305.5	8174.4
-7.5°	314.9	457.3	546.5	709.2	919.2	1145.2	1320.9	1546.6	2243.5	4028.6	7405.6
-10°	320.5	464.0	559.4	704.9	892.0	1103.5	1282.1	1491.5	2083.4	3639.5	6514.8
-12.5°	329.1	474.8	572.1	698.6	863.5	1055.7	1237.2	1427.5	1889.4	3138.5	5507.8
-15°	333.4	483.8	583.8	691.2	835.5	1002.6	1186.2	1355.4	1671.9	2534.0	4389.9
-17.5°	333.5	491.3	594.9	683.7	809.7	944.9	1135.2	1303.1	1518.7	2162.2	3610.7
-20°	329.3	497.6	605.7	677.0	788.3	909.1	1093.6	1266.2	1456.0	1883.8	2837.6



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	320.8	502.9	612.7	682.4	780.5	894.2	1046.0	1222.1	1390.9	1586.5	2247.4
-25°	315.2	489.5	613.5	687.9	772.2	878.4	994.7	1170.2	1330.1	1518.4	1936.5
-27.5°	311.5	470.9	602.3	689.2	762.0	862.9	965.0	1109.1	1283.6	1458.5	1649.6
-30°	301.8	437.3	586.7	682.9	757.8	848.7	944.9	1053.4	1230.1	1399.7	1575.8
-32.5°	282.6	402.0	552.1	662.3	751.1	833.0	924.6	1022.2	1162.0	1336.9	1498.7
-35°	260.4	374.6	509.5	636.5	737.8	817.5	901.1	993.4	1096.2	1255.2	1435.0
-37.5°	239.8	342.8	465.7	598.4	704.7	801.2	874.2	961.7	1057.3	1166.8	1346.4
-40°	215.2	306.6	424.6	549.6	668.8	774.6	856.8	926.9	1015.2	1126.7	1238.1
-42.5°	188.0	275.2	380.4	499.4	617.4	730.1	836.6	905.0	983.1	1087.0	1193.6
-45°	165.4	239.7	332.9	443.1	556.7	674.4	782.5	889.3	964.1	1047.5	1148.7
-47.5°	140.3	203.1	288.4	382.4	490.7	602.4	718.2	829.2	943.4	1023.3	1102.7
-50°	116.1	171.9	239.0	325.5	419.9	525.2	634.1	756.0	871.0	982.2	1074.4
-52.5°	100.8	137.9	198.1	267.8	351.8	443.4	547.4	660.0	778.6	896.7	997.9
-55°	84.4	115.6	157.0	216.6	285.2	365.7	455.0	558.2	665.7	778.8	886.0
-57.5°	68.5	95.5	126.2	167.9	226.0	289.4	366.9	451.9	548.4	648.6	738.1
-60°	52.5	75.5	101.9	132.1	168.9	223.3	278.9	349.2	429.4	510.4	588.4
-62.5°	37.3	56.0	78.1	103.0	132.0	161.5	205.9	257.2	310.4	376.1	440.9
-65°	29.9	38.7	55.0	75.9	98.1	123.5	149.9	176.9	220.4	263.8	305.3
-67.5°	22.1	29.9	38.2	49.1	68.0	87.0	107.5	131.0	154.7	176.8	203.3
-70°	18.7	21.5	27.8	35.4	42.8	51.7	68.2	86.0	104.3	121.7	140.2
-72.5°	16.1	18.7	21.3	23.9	29.7	35.3	40.5	45.2	55.7	70.2	84.2
-75°	13.8	15.9	18.2	20.6	22.5	24.2	26.5	30.9	35.3	39.6	43.5
-77.5°	11.6	13.1	14.8	17.0	18.6	19.8	21.1	22.6	24.5	26.7	29.0
-80°	9.5	10.2	11.2	12.5	14.0	15.2	16.4	17.3	18.5	19.9	21.5
-82.5°	7.7	8.1	8.6	9.0	9.9	10.8	11.9	13.0	13.7	14.4	15.2
-85°	5.9	6.1	6.4	6.7	7.1	7.6	8.1	8.7	9.3	9.9	10.4
-87.5°	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.5	6.0	6.4	6.9
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.1	4.6	5.1	5.6	6.1	6.6	7.2	7.7	8.2	8.2	8.2
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	3.0	2.9	2.7	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	4.1	3.8	3.6	3.4	3.3	3.1	2.8	2.5	2.0	2.0	2.0
77.5°	4.1	4.1	4.1	4.1	4.1	3.7	3.1	2.6	2.1	2.0	2.0
75°	4.1	4.2	4.5	4.5	4.2	3.9	3.8	3.7	3.7	3.4	3.0
72.5°	7.4	7.2	6.9	6.9	6.6	6.6	6.6	6.3	5.8	5.7	5.8
70°	13.1	13.5	13.5	13.0	11.7	10.5	9.7	8.8	8.0	7.5	7.1
67.5°	20.2	20.4	19.3	17.4	14.5	12.0	10.9	9.8	8.7	8.4	8.8
65°	28.0	25.5	22.4	19.1	15.5	12.1	11.2	10.5	9.9	10.0	10.7
62.5°	34.5	27.9	22.4	18.5	15.2	12.1	11.1	10.2	9.4	8.8	8.7
60°	38.2	28.0	20.2	16.7	13.5	10.6	9.4	8.8	8.4	8.2	8.2
57.5°	38.2	26.5	17.5	14.4	11.6	9.1	8.2	8.2	8.2	8.2	8.2
55°	34.0	23.1	15.0	12.4	10.5	9.0	8.3	8.5	8.5	8.2	8.6
52.5°	26.7	19.2	14.0	11.6	10.8	10.3	10.0	9.9	9.8	9.5	9.8
50°	21.2	15.9	13.5	12.1	12.0	12.1	12.1	12.3	12.5	12.7	12.8
47.5°	17.7	14.9	15.2	14.0	14.5	15.8	16.1	16.3	16.8	16.9	16.6
45°	18.2	21.1	21.7	21.4	21.1	24.0	23.9	21.9	24.5	25.3	24.7
42.5°	30.1	32.6	34.3	35.8	37.6	39.9	41.1	40.4	42.8	42.8	40.0
40°	50.9	48.5	52.3	57.0	61.2	62.8	66.6	70.6	72.1	71.3	68.6
37.5°	83.5	79.8	80.2	90.6	100.2	88.8	105.5	112.2	108.0	122.9	125.9
35°	138.6	153.3	132.1	169.5	188.0	178.9	198.9	238.3	207.8	263.7	277.3
32.5°	246.5	281.7	303.8	335.4	381.7	442.7	458.0	555.3	586.5	631.5	680.1
30°	402.8	502.3	685.5	719.6	763.8	974.0	1031.9	1084.8	1195.4	1280.7	1425.8
27.5°	731.9	1000.1	1383.3	1720.5	1695.8	2051.5	2447.4	2004.1	2661.7	2397.9	3028.8
25°	1370.6	1961.9	2885.7	3779.4	4206.1	4930.9	5837.3	5665.6	6861.5	6944.5	8708.5
22.5°	2606.7	3891.6	5304.1	6823.5	8297.5	9928.7	11496.2	13139.4	15609.9	19023.3	22340.9
20°	4265.0	6154.1	8435.4	10788.0	13282.8	15819.7	18767.1	23758.3	28875.8	35979.6	40998.0
17.5°	6061.8	9068.5	11869.0	14783.8	18271.6	22488.4	28585.1	37113.6	47458.1	58077.0	66291.7
15°	7631.4	11032.7	15069.4	18955.4	23292.4	29622.1	39197.6	51829.9	67213.5	83356.4	102877.1
12.5°	9150.0	12702.9	17089.6	22004.9	27898.5	36958.0	49370.2	66441.5	86821.1	111078.9	136150.9
10°	10328.6	14227.0	19109.3	24644.7	31838.1	42965.1	57388.8	77543.9	107743.2	136379.4	165009.9
7.5°	11249.6	15635.0	20806.7	26616.2	34992.0	47521.0	64777.9	90149.3	122057.5	153040.9	179411.7
5°	12068.1	16792.9	21956.7	27727.4	37262.4	50835.9	69419.0	98394.3	132444.6	162895.4	187989.3
2.5°	12713.0	17549.9	22588.5	28284.0	38724.0	52665.7	71866.7	102819.1	139139.9	169202.8	193164.2
0°	13103.4	17684.9	22694.4	28402.3	38835.0	53494.9	73776.7	104755.4	141528.0	172289.6	195856.4
-2.5°	12963.5	17382.5	22350.9	28054.9	38468.8	52717.8	72240.4	103774.2	139504.3	168284.7	191986.7
-5°	12266.7	16393.2	21006.8	26373.5	36038.8	49766.1	67885.5	96640.8	130225.6	158957.1	181260.8
-7.5°	11168.0	15010.6	19246.3	24214.6	32572.8	44977.2	61488.8	85959.4	116447.8	142958.1	163086.0
-10°	9938.8	13407.8	17077.7	21478.2	28011.5	38540.7	52329.0	71014.2	97162.2	120998.2	140029.5
-12.5°	8461.5	11347.5	14432.4	18227.4	23179.2	31763.1	43355.7	58513.1	76693.9	97904.7	115230.7
-15°	6926.0	9352.3	11905.8	15465.4	19688.7	25156.6	33489.5	45539.6	59034.8	73522.0	89242.2
-17.5°	5561.8	7616.0	10323.4	13321.6	16540.4	20345.4	27235.2	35447.3	45213.9	55547.4	65034.8
-20°	4467.8	6646.5	9078.7	11686.1	14643.7	18302.5	22535.0	28774.1	36016.8	43949.2	51549.4



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3675.3	5629.2	7887.8	10333.5	13325.6	16619.4	20047.2	23962.8	29160.3	35259.0	41097.6
-25°	2799.2	4432.0	6623.0	9089.5	11845.9	14750.7	17533.0	20724.8	24524.6	28492.7	32581.1
-27.5°	2218.8	3371.4	5170.3	7486.7	10037.2	12311.3	14695.2	17353.0	20675.8	24128.1	26403.0
-30°	1810.9	2485.8	3836.2	5645.9	7777.5	9784.5	11741.8	14130.5	16739.0	19216.7	21227.7
-32.5°	1691.7	1993.6	2692.4	3982.2	5583.2	7374.5	9131.6	11263.8	13288.4	15249.2	16978.2
-35°	1607.7	1800.6	2064.2	2737.0	3701.4	5157.2	6762.6	8566.9	10394.2	11978.1	13444.5
-37.5°	1529.2	1696.7	1871.2	2044.8	2587.6	3253.9	4384.6	5811.7	7197.8	8479.6	9741.9
-40°	1417.3	1600.8	1741.8	1890.3	2051.7	2235.1	2826.8	3410.0	4088.6	5071.5	5932.6
-42.5°	1298.5	1451.6	1612.1	1751.1	1886.1	2027.1	2176.2	2324.4	2634.6	3020.3	3336.2
-45°	1249.0	1341.0	1451.3	1596.4	1732.2	1858.8	1980.1	2097.5	2221.4	2334.6	2427.0
-47.5°	1189.6	1273.3	1362.6	1457.2	1556.8	1679.1	1799.1	1918.6	2027.1	2127.8	2208.3
-50°	1134.8	1200.6	1280.4	1360.8	1440.5	1522.5	1605.3	1697.5	1801.1	1903.2	1987.1
-52.5°	1090.0	1150.2	1207.3	1264.4	1333.6	1403.1	1472.8	1546.2	1616.9	1683.8	1736.0
-55°	981.1	1065.9	1149.4	1203.3	1250.0	1297.3	1350.0	1415.8	1478.5	1537.9	1572.9
-57.5°	832.9	931.1	1021.3	1085.0	1150.1	1216.0	1270.4	1317.4	1364.9	1410.2	1434.9
-60°	668.1	748.8	830.5	906.3	978.7	1047.0	1110.4	1172.2	1229.3	1277.4	1306.5
-62.5°	504.9	572.0	638.3	701.7	762.6	822.0	889.6	954.7	1016.7	1067.3	1098.4
-65°	351.5	406.4	457.9	507.2	554.5	605.1	657.6	708.7	757.7	796.6	822.2
-67.5°	239.1	272.9	303.6	332.9	368.8	407.7	446.3	482.1	515.0	540.3	558.2
-70°	158.8	176.9	193.1	212.1	235.6	259.2	283.1	305.2	325.4	340.5	351.9
-72.5°	97.7	110.3	122.0	134.7	146.7	159.1	172.1	184.8	197.0	205.9	212.6
-75°	47.1	52.8	63.2	72.5	81.0	88.9	96.1	102.4	107.8	111.3	113.5
-77.5°	32.0	34.7	37.2	39.8	42.4	45.6	48.8	52.0	54.9	57.2	59.3
-80°	23.2	24.5	25.7	26.7	27.6	28.9	30.4	31.9	33.3	33.9	34.2
-82.5°	16.0	17.1	18.1	19.2	20.1	21.1	22.0	22.9	23.7	24.5	25.2
-85°	10.8	11.3	11.9	12.5	13.1	13.9	14.6	15.3	16.0	16.1	16.2
-87.5°	7.5	7.6	7.8	7.9	8.0	8.5	9.1	9.6	10.1	10.2	10.2
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6
75°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.7	3.7
72.5°	5.9	6.0	5.1	4.1	5.1	6.0	5.9	5.8	5.7	5.8	6.3
70°	6.7	6.2	6.1	6.1	6.1	6.2	6.7	7.1	7.5	8.0	8.8
67.5°	9.3	10.0	10.2	10.2	10.2	10.0	9.3	8.8	8.4	8.7	9.8
65°	11.4	12.1	11.3	10.2	11.3	12.1	11.4	10.7	10.0	9.9	10.5
62.5°	8.5	8.4	8.2	8.2	8.2	8.4	8.5	8.7	8.8	9.4	10.2
60°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.4	8.8
57.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
55°	9.2	9.9	10.2	10.2	10.2	9.9	9.2	8.6	8.2	8.5	8.5
52.5°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	9.8	9.5	9.8	9.9
50°	12.7	12.4	12.3	12.3	12.3	12.4	12.7	12.8	12.7	12.5	12.3
47.5°	15.9	14.8	14.3	14.3	14.3	14.8	15.9	16.6	16.9	16.8	16.3
45°	24.9	24.5	24.4	24.6	24.4	24.5	24.9	24.7	25.3	24.5	21.9
42.5°	41.6	42.2	41.5	38.9	41.5	42.2	41.6	40.0	42.8	42.8	40.4
40°	68.7	66.0	62.5	61.4	62.5	66.0	68.7	68.6	71.3	72.1	70.6
37.5°	127.5	127.4	124.5	122.9	124.5	127.4	127.5	125.9	122.9	108.0	112.2
35°	268.1	266.0	251.4	237.6	251.4	266.0	268.1	277.3	263.7	207.8	238.3
32.5°	696.4	733.4	729.9	708.6	729.9	733.4	696.4	680.1	631.5	586.5	555.3
30°	1481.6	1547.7	1533.7	1445.9	1533.7	1547.7	1481.6	1425.8	1280.7	1195.4	1084.8
27.5°	3062.2	3217.0	3353.4	3174.5	3353.4	3217.0	3062.2	3028.8	2397.9	2661.7	2004.1
25°	10474.6	11481.8	12077.8	11151.6	12077.8	11481.8	10474.6	8708.5	6944.5	6861.5	5665.6
22.5°	24998.5	26253.8	26923.6	27306.6	26923.6	26253.8	24998.5	22340.9	19023.3	15609.9	13139.4
20°	45855.8	48540.0	50259.5	46795.7	50259.5	48540.0	45855.8	40998.0	35979.6	28875.8	23758.3
17.5°	77687.6	87587.3	92799.5	95631.3	92799.5	87587.3	77687.6	66291.7	58077.0	47458.1	37113.6
15°	117942.1	130608.6	139162.2	142511.0	139162.2	130608.6	117942.1	102877.1	83356.4	67213.5	51829.9
12.5°	156003.1	169073.0	176965.1	178948.8	176965.1	169073.0	156003.1	136150.9	111078.9	86821.1	66441.5
10°	183074.7	195389.6	204468.1	207655.2	204468.1	195389.6	183074.7	165009.9	136379.4	107743.2	77543.9
7.5°	198145.6	212540.9	220542.3	222534.2	220542.3	212540.9	198145.6	179411.7	153040.9	122057.5	90149.3
5°	206819.3	219825.6	228572.1	229632.7	228572.1	219825.6	206819.3	187989.3	162895.4	132444.6	98394.3
2.5°	212411.7	225131.6	232490.6	234653.5	232490.6	225131.6	212411.7	193164.2	169202.8	139139.9	102819.1
0°	213784.0	225479.3	234369.8	237136.8	234369.8	225479.3	213784.0	195856.4	172289.6	141528.0	104755.4
-2.5°	209628.8	220911.2	226833.4	227793.6	226833.4	220911.2	209628.8	191986.7	168284.7	139504.3	103774.2
-5°	199017.8	207361.9	214198.7	215073.2	214198.7	207361.9	199017.8	181260.8	158957.1	130225.6	96640.8
-7.5°	176478.3	185838.5	189619.8	190643.1	189619.8	185838.5	176478.3	163086.0	142958.1	116447.8	85959.4
-10°	152496.5	160515.3	163194.1	164640.1	163194.1	160515.3	152496.5	140029.5	120998.2	97162.2	71014.2
-12.5°	129018.3	136859.4	139494.3	141587.4	139494.3	136859.4	129018.3	115230.7	97904.7	76693.9	58513.1
-15°	102712.8	110434.3	114691.2	117047.7	114691.2	110434.3	102712.8	89242.2	73522.0	59034.8	45539.6
-17.5°	77075.5	84408.5	89363.1	92245.9	89363.1	84408.5	77075.5	65034.8	55547.4	45213.9	35447.3
-20°	58441.5	63404.5	67217.3	69479.9	67217.3	63404.5	58441.5	51549.4	43949.2	36016.8	28774.1



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	45651.5	49088.9	51297.6	52743.3	51297.6	49088.9	45651.5	41097.6	35259.0	29160.3	23962.8
-25°	35679.4	37935.4	39363.8	40532.8	39363.8	37935.4	35679.4	32581.1	28492.7	24524.6	20724.8
-27.5°	28250.5	29460.1	30091.5	30950.0	30091.5	29460.1	28250.5	26403.0	24128.1	20675.8	17353.0
-30°	22710.6	23638.7	24140.5	24326.7	24140.5	23638.7	22710.6	21227.7	19216.7	16739.0	14130.5
-32.5°	18278.2	19154.9	19788.2	20085.2	19788.2	19154.9	18278.2	16978.2	15249.2	13288.4	11263.8
-35°	14582.5	15314.0	15813.1	16087.4	15813.1	15314.0	14582.5	13444.5	11978.1	10394.2	8566.9
-37.5°	10787.1	11589.7	12139.2	12327.2	12139.2	11589.7	10787.1	9741.9	8479.6	7197.8	5811.7
-40°	6618.3	7129.6	7459.5	7598.2	7459.5	7129.6	6618.3	5932.6	5071.5	4088.6	3410.0
-42.5°	3582.4	3770.1	3900.4	3975.3	3900.4	3770.1	3582.4	3336.2	3020.3	2634.6	2324.4
-45°	2486.8	2534.3	2564.4	2576.4	2564.4	2534.3	2486.8	2427.0	2334.6	2221.4	2097.5
-47.5°	2267.1	2318.4	2345.7	2347.1	2345.7	2318.4	2267.1	2208.3	2127.8	2027.1	1918.6
-50°	2053.5	2109.3	2137.5	2140.2	2137.5	2109.3	2053.5	1987.1	1903.2	1801.1	1697.5
-52.5°	1783.5	1827.7	1847.0	1845.3	1847.0	1827.7	1783.5	1736.0	1683.8	1616.9	1546.2
-55°	1603.3	1629.7	1641.4	1642.5	1641.4	1629.7	1603.3	1572.9	1537.9	1478.5	1415.8
-57.5°	1457.2	1476.6	1483.5	1482.8	1483.5	1476.6	1457.2	1434.9	1410.2	1364.9	1317.4
-60°	1332.0	1353.2	1359.1	1355.8	1359.1	1353.2	1332.0	1306.5	1277.4	1229.3	1172.2
-62.5°	1123.8	1143.3	1152.9	1155.1	1152.9	1143.3	1123.8	1098.4	1067.3	1016.7	954.7
-65°	842.3	857.0	864.6	866.3	864.6	857.0	842.3	822.2	796.6	757.7	708.7
-67.5°	572.1	582.0	585.0	583.7	585.0	582.0	572.1	558.2	540.3	515.0	482.1
-70°	361.0	367.9	369.6	368.6	369.6	367.9	361.0	351.9	340.5	325.4	305.2
-72.5°	218.1	222.3	222.6	221.2	222.6	222.3	218.1	212.6	205.9	197.0	184.8
-75°	114.9	115.5	115.4	114.7	115.4	115.5	114.9	113.5	111.3	107.8	102.4
-77.5°	61.2	62.9	62.3	61.4	62.3	62.9	61.2	59.3	57.2	54.9	52.0
-80°	34.5	34.7	34.8	34.8	34.8	34.7	34.5	34.2	33.9	33.3	31.9
-82.5°	25.8	26.5	25.6	24.6	25.6	26.5	25.8	25.2	24.5	23.7	22.9
-85°	16.3	16.4	16.4	16.4	16.4	16.4	16.3	16.2	16.1	16.0	15.3
-87.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	9.6
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.2	6.6	6.1	5.6	5.1	4.6	4.1	4.1	4.1	4.1	4.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.4	2.7	2.9	3.0	2.8	2.6	2.4	2.2
80°	2.8	3.1	3.3	3.4	3.6	3.8	4.1	4.1	4.1	4.0	3.6
77.5°	3.1	3.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0
75°	3.8	3.9	4.2	4.5	4.5	4.2	4.1	4.1	4.1	4.1	3.9
72.5°	6.6	6.6	6.6	6.9	6.9	7.2	7.4	7.1	6.3	5.1	4.1
70°	9.7	10.5	11.7	13.0	13.5	13.5	13.1	12.4	11.6	10.8	8.6
67.5°	10.9	12.0	14.5	17.4	19.3	20.4	20.2	19.1	17.9	16.8	13.5
65°	11.2	12.1	15.5	19.1	22.4	25.5	28.0	28.1	26.8	24.0	18.4
62.5°	11.1	12.1	15.2	18.5	22.4	27.9	34.5	37.5	37.7	32.9	25.6
60°	9.4	10.6	13.5	16.7	20.2	28.0	38.2	45.9	50.9	43.4	32.9
57.5°	8.2	9.1	11.6	14.4	17.5	26.5	38.2	51.5	60.1	50.0	40.4
55°	8.3	9.0	10.5	12.4	15.0	23.1	34.0	46.9	56.1	52.3	41.8
52.5°	10.0	10.3	10.8	11.6	14.0	19.2	26.7	38.7	45.0	43.2	39.3
50°	12.1	12.1	12.0	12.1	13.5	15.9	21.2	29.5	32.5	34.1	32.3
47.5°	16.1	15.8	14.5	14.0	15.2	14.9	17.7	21.3	25.3	25.7	25.8
45°	23.9	24.0	21.1	21.4	21.7	21.1	18.2	21.0	22.8	23.6	20.8
42.5°	41.1	39.9	37.6	35.8	34.3	32.6	30.1	28.7	26.6	25.4	25.3
40°	66.6	62.8	61.2	57.0	52.3	48.5	50.9	44.6	38.9	32.2	35.9
37.5°	105.5	88.8	100.2	90.6	80.2	79.8	83.5	73.5	57.5	61.9	59.9
35°	198.9	178.9	188.0	169.5	132.1	153.3	138.6	117.3	105.1	113.4	99.2
32.5°	458.0	442.7	381.7	335.4	303.8	281.7	246.5	189.2	197.1	192.3	164.2
30°	1031.9	974.0	763.8	719.6	685.5	502.3	402.8	372.9	343.1	292.9	247.0
27.5°	2447.4	2051.5	1695.8	1720.5	1383.3	1000.1	731.9	600.9	527.6	442.3	358.2
25°	5837.3	4930.9	4206.1	3779.4	2885.7	1961.9	1370.6	983.3	760.5	627.4	516.6
22.5°	11496.2	9928.7	8297.5	6823.5	5304.1	3891.6	2606.7	1483.3	1017.5	838.0	702.8
20°	18767.1	15819.7	13282.8	10788.0	8435.4	6154.1	4265.0	2452.4	1430.4	1054.8	885.4
17.5°	28585.1	22488.4	18271.6	14783.8	11869.0	9068.5	6061.8	3519.6	1819.1	1264.8	1059.6
15°	39197.6	29622.1	23292.4	18955.4	15069.4	11032.7	7631.4	4532.5	2337.2	1542.2	1229.4
12.5°	49370.2	36958.0	27898.5	22004.9	17089.6	12702.9	9150.0	5821.3	3123.2	1792.7	1333.6
10°	57388.8	42965.1	31838.1	24644.7	19109.3	14227.0	10328.6	6721.3	3626.3	1988.8	1421.4
7.5°	64777.9	47521.0	34992.0	26616.2	20806.7	15635.0	11249.6	7350.3	3945.6	2155.1	1493.8
5°	69419.0	50835.9	37262.4	27727.4	21956.7	16792.9	12068.1	7785.1	4101.7	2289.1	1551.9
2.5°	71866.7	52665.7	38724.0	28284.0	22588.5	17549.9	12713.0	8086.2	4196.1	2344.6	1573.8
0°	73776.7	53494.9	38835.0	28402.3	22694.4	17684.9	13103.4	8233.1	4223.1	2353.2	1585.2
-2.5°	72240.4	52717.8	38468.8	28054.9	22350.9	17382.5	12963.5	8457.5	4349.4	2387.6	1594.2
-5°	67885.5	49766.1	36038.8	26373.5	21006.8	16393.2	12266.7	8174.4	4305.5	2367.7	1592.0
-7.5°	61488.8	44977.2	32572.8	24214.6	19246.3	15010.6	11168.0	7405.6	4028.6	2243.5	1546.6
-10°	52329.0	38540.7	28011.5	21478.2	17077.7	13407.8	9938.8	6514.8	3639.5	2083.4	1491.5
-12.5°	43355.7	31763.1	23179.2	18227.4	14432.4	11347.5	8461.5	5507.8	3138.5	1889.4	1427.5
-15°	33489.5	25156.6	19688.7	15465.4	11905.8	9352.3	6926.0	4389.9	2534.0	1671.9	1355.4
-17.5°	27235.2	20345.4	16540.4	13321.6	10323.4	7616.0	5561.8	3610.7	2162.2	1518.7	1303.1
-20°	22535.0	18302.5	14643.7	11686.1	9078.7	6646.5	4467.8	2837.6	1883.8	1456.0	1266.2



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	20047.2	16619.4	13325.6	10333.5	7887.8	5629.2	3675.3	2247.4	1586.5	1390.9	1222.1
-25°	17533.0	14750.7	11845.9	9089.5	6623.0	4432.0	2799.2	1936.5	1518.4	1330.1	1170.2
-27.5°	14695.2	12311.3	10037.2	7486.7	5170.3	3371.4	2218.8	1649.6	1458.5	1283.6	1109.1
-30°	11741.8	9784.5	7777.5	5645.9	3836.2	2485.8	1810.9	1575.8	1399.7	1230.1	1053.4
-32.5°	9131.6	7374.5	5583.2	3982.2	2692.4	1993.6	1691.7	1498.7	1336.9	1162.0	1022.2
-35°	6762.6	5157.2	3701.4	2737.0	2064.2	1800.6	1607.7	1435.0	1255.2	1096.2	993.4
-37.5°	4384.6	3253.9	2587.6	2044.8	1871.2	1696.7	1529.2	1346.4	1166.8	1057.3	961.7
-40°	2826.8	2235.1	2051.7	1890.3	1741.8	1600.8	1417.3	1238.1	1126.7	1015.2	926.9
-42.5°	2176.2	2027.1	1886.1	1751.1	1612.1	1451.6	1298.5	1193.6	1087.0	983.1	905.0
-45°	1980.1	1858.8	1732.2	1596.4	1451.3	1341.0	1249.0	1148.7	1047.5	964.1	889.3
-47.5°	1799.1	1679.1	1556.8	1457.2	1362.6	1273.3	1189.6	1102.7	1023.3	943.4	829.2
-50°	1605.3	1522.5	1440.5	1360.8	1280.4	1200.6	1134.8	1074.4	982.2	871.0	756.0
-52.5°	1472.8	1403.1	1333.6	1264.4	1207.3	1150.2	1090.0	997.9	896.7	778.6	660.0
-55°	1350.0	1297.3	1250.0	1203.3	1149.4	1065.9	981.1	886.0	778.8	665.7	558.2
-57.5°	1270.4	1216.0	1150.1	1085.0	1021.3	931.1	832.9	738.1	648.6	548.4	451.9
-60°	1110.4	1047.0	978.7	906.3	830.5	748.8	668.1	588.4	510.4	429.4	349.2
-62.5°	889.6	822.0	762.6	701.7	638.3	572.0	504.9	440.9	376.1	310.4	257.2
-65°	657.6	605.1	554.5	507.2	457.9	406.4	351.5	305.3	263.8	220.4	176.9
-67.5°	446.3	407.7	368.8	332.9	303.6	272.9	239.1	203.3	176.8	154.7	131.0
-70°	283.1	259.2	235.6	212.1	193.1	176.9	158.8	140.2	121.7	104.3	86.0
-72.5°	172.1	159.1	146.7	134.7	122.0	110.3	97.7	84.2	70.2	55.7	45.2
-75°	96.1	88.9	81.0	72.5	63.2	52.8	47.1	43.5	39.6	35.3	30.9
-77.5°	48.8	45.6	42.4	39.8	37.2	34.7	32.0	29.0	26.7	24.5	22.6
-80°	30.4	28.9	27.6	26.7	25.7	24.5	23.2	21.5	19.9	18.5	17.3
-82.5°	22.0	21.1	20.1	19.2	18.1	17.1	16.0	15.2	14.4	13.7	13.0
-85°	14.6	13.9	13.1	12.5	11.9	11.3	10.8	10.4	9.9	9.3	8.7
-87.5°	9.1	8.5	8.0	7.9	7.8	7.6	7.5	6.9	6.4	6.0	5.5
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0
80°	3.0	2.5	2.2	2.0	2.1	2.0	2.0	2.0	2.3	2.4	2.3
77.5°	3.4	2.9	2.4	2.1	2.4	2.6	2.5	2.3	2.6	2.8	2.8
75°	3.4	2.8	2.3	2.2	2.7	3.2	3.3	3.2	3.1	3.2	3.3
72.5°	3.8	3.4	2.7	2.3	2.8	3.3	3.8	4.0	3.6	3.5	3.8
70°	6.3	4.5	3.7	3.3	3.2	3.4	3.9	4.1	4.1	3.8	3.9
67.5°	10.3	7.7	5.7	4.3	3.8	3.7	4.0	4.1	4.1	4.1	4.0
65°	14.6	11.1	8.0	6.0	4.6	4.0	4.1	4.1	4.1	4.1	4.1
62.5°	19.4	14.7	11.0	7.7	5.5	4.4	4.1	4.1	4.1	4.1	4.1
60°	24.5	18.4	14.0	10.2	6.8	4.6	4.1	4.1	4.1	4.1	4.1
57.5°	30.0	21.6	16.7	12.5	8.8	5.5	4.1	4.1	4.1	4.1	4.1
55°	33.6	25.4	19.5	14.6	10.6	7.0	4.7	4.1	4.1	4.1	4.1
52.5°	31.9	27.4	22.7	16.8	12.2	8.6	6.3	4.1	4.1	4.1	4.1
50°	27.7	27.1	24.4	19.4	13.6	10.4	7.8	5.4	4.1	4.1	4.1
47.5°	24.9	25.9	24.6	21.2	15.6	12.2	9.5	6.7	4.1	4.1	4.1
45°	23.7	24.1	24.4	21.8	18.0	14.4	11.3	8.0	5.2	4.2	4.1
42.5°	24.5	24.6	23.3	22.7	20.1	16.5	13.2	9.7	6.4	4.3	4.2
40°	33.1	27.6	23.8	24.4	22.6	18.5	15.0	11.4	7.5	4.8	4.3
37.5°	45.5	36.5	28.2	30.5	26.4	21.0	16.5	13.2	8.8	5.8	4.5
35°	76.2	51.0	47.2	44.7	35.0	23.9	17.9	14.7	10.4	6.8	4.8
32.5°	116.0	89.5	84.8	67.9	46.7	27.1	20.1	16.2	11.9	7.8	5.0
30°	191.9	168.6	134.9	97.3	64.4	38.1	23.6	18.0	13.4	8.7	5.5
27.5°	315.7	263.4	200.3	143.6	92.6	52.3	28.9	20.1	14.8	9.7	6.2
25°	451.5	378.6	291.6	201.5	124.8	81.3	35.0	22.5	16.3	10.8	6.9
22.5°	601.6	503.3	393.2	266.6	178.6	118.5	50.2	27.3	18.1	11.9	7.6
20°	758.0	633.2	497.9	333.7	240.0	164.9	77.3	32.6	20.0	12.9	8.2
17.5°	919.4	748.1	576.0	407.6	299.1	213.4	108.6	38.1	21.9	13.8	8.7
15°	1028.6	837.3	650.0	475.3	352.4	263.3	142.9	43.9	23.9	14.6	9.4
12.5°	1116.2	922.1	719.5	536.6	400.5	313.7	179.2	49.7	25.8	15.9	10.3
10°	1194.4	1001.7	784.0	591.8	443.9	363.9	216.2	55.7	29.3	17.7	11.2
7.5°	1263.6	1075.1	842.9	640.9	479.3	399.6	239.9	62.1	33.0	19.6	12.0
5°	1317.2	1128.7	881.6	663.0	490.9	417.8	257.8	67.9	36.5	21.3	12.9
2.5°	1333.2	1153.7	905.2	676.3	500.4	432.1	271.4	73.2	39.9	23.0	13.6
0°	1341.5	1169.4	921.6	684.0	507.9	442.4	280.6	77.8	43.0	24.6	14.3
-2.5°	1348.4	1174.4	930.3	697.8	523.2	450.5	296.0	100.3	58.0	33.1	18.1
-5°	1348.3	1170.8	931.6	706.4	536.2	455.3	307.2	121.7	72.4	41.1	21.8
-7.5°	1320.9	1145.2	919.2	709.2	546.5	457.3	314.9	141.5	85.8	48.6	25.2
-10°	1282.1	1103.5	892.0	704.9	559.4	464.0	320.5	159.5	97.8	55.3	28.3
-12.5°	1237.2	1055.7	863.5	698.6	572.1	474.8	329.1	175.3	108.2	61.0	31.1
-15°	1186.2	1002.6	835.5	691.2	583.8	483.8	333.4	188.4	116.1	65.6	33.4
-17.5°	1135.2	944.9	809.7	683.7	594.9	491.3	333.5	198.0	122.1	69.1	35.6
-20°	1093.6	909.1	788.3	677.0	605.7	497.6	329.3	203.9	125.9	71.4	37.5



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1046.0	894.2	780.5	682.4	612.7	502.9	320.8	205.7	127.2	72.1	38.8
-25°	994.7	878.4	772.2	687.9	613.5	489.5	315.2	203.2	126.0	71.4	39.3
-27.5°	965.0	862.9	762.0	689.2	602.3	470.9	311.5	201.4	123.3	69.0	39.1
-30°	944.9	848.7	757.8	682.9	586.7	437.3	301.8	196.2	120.3	67.4	38.1
-32.5°	924.6	833.0	751.1	662.3	552.1	402.0	282.6	187.4	115.1	66.1	37.2
-35°	901.1	817.5	737.8	636.5	509.5	374.6	260.4	174.8	107.6	63.7	36.0
-37.5°	874.2	801.2	704.7	598.4	465.7	342.8	239.8	159.3	97.8	60.1	34.1
-40°	856.8	774.6	668.8	549.6	424.6	306.6	215.2	143.7	90.7	55.3	31.4
-42.5°	836.6	730.1	617.4	499.4	380.4	275.2	188.0	125.8	82.8	50.8	28.1
-45°	782.5	674.4	556.7	443.1	332.9	239.7	165.4	107.1	73.7	46.2	25.0
-47.5°	718.2	602.4	490.7	382.4	288.4	203.1	140.3	95.7	63.6	40.6	22.7
-50°	634.1	525.2	419.9	325.5	239.0	171.9	116.1	83.2	55.4	33.5	20.0
-52.5°	547.4	443.4	351.8	267.8	198.1	137.9	100.8	70.0	46.2	28.4	16.9
-55°	455.0	365.7	285.2	216.6	157.0	115.6	84.4	58.3	36.2	24.1	13.8
-57.5°	366.9	289.4	226.0	167.9	126.2	95.5	68.5	45.5	29.8	19.5	13.1
-60°	278.9	223.3	168.9	132.1	101.9	75.5	52.5	34.3	24.4	15.6	12.2
-62.5°	205.9	161.5	132.0	103.0	78.1	56.0	37.3	27.9	18.7	14.4	11.3
-65°	149.9	123.5	98.1	75.9	55.0	38.7	29.9	21.3	16.3	13.1	10.3
-67.5°	107.5	87.0	68.0	49.1	38.2	29.9	22.1	17.8	14.6	11.7	9.2
-70°	68.2	51.7	42.8	35.4	27.8	21.5	18.7	15.7	12.8	10.5	8.2
-72.5°	40.5	35.3	29.7	23.9	21.3	18.7	16.1	13.6	11.4	9.3	7.1
-75°	26.5	24.2	22.5	20.6	18.2	15.9	13.8	12.0	10.0	8.0	6.4
-77.5°	21.1	19.8	18.6	17.0	14.8	13.1	11.6	10.4	8.6	7.1	5.7
-80°	16.4	15.2	14.0	12.5	11.2	10.2	9.5	8.8	7.4	6.1	5.0
-82.5°	11.9	10.8	9.9	9.0	8.6	8.1	7.7	7.1	6.1	5.1	4.5
-85°	8.1	7.6	7.1	6.7	6.4	6.1	5.9	5.8	5.2	4.8	4.4
-87.5°	5.5	5.4	5.3	5.2	5.2	5.1	5.0	4.9	4.7	4.4	4.2
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	2.0	2.1	2.2	2.2	2.2	3.1	4.1
85°	2.0	2.2	2.4	2.4	2.4	3.1	4.1
82.5°	2.0	2.4	2.6	2.6	2.6	3.2	4.1
80°	2.1	2.5	2.7	2.8	2.7	3.2	4.1
77.5°	2.6	2.7	2.9	3.0	2.9	3.3	4.1
75°	3.2	3.0	3.1	3.3	3.1	3.3	4.1
72.5°	3.7	3.4	3.3	3.5	3.3	3.4	4.1
70°	4.1	3.7	3.5	3.7	3.5	3.5	4.1
67.5°	4.1	4.0	3.7	3.8	3.6	3.5	4.1
65°	4.1	4.1	3.8	3.8	3.8	3.6	4.1
62.5°	4.1	4.1	4.0	3.9	4.0	3.6	4.1
60°	4.1	4.1	4.1	3.9	4.1	3.6	4.1
57.5°	4.1	4.1	4.1	4.0	4.1	3.7	4.1
55°	4.1	4.1	4.1	4.0	4.1	3.7	4.1
52.5°	4.1	4.1	4.1	4.1	4.1	3.8	4.1
50°	4.1	4.1	4.1	4.1	4.1	3.8	4.1
47.5°	4.1	4.1	4.1	4.1	4.1	3.8	4.1
45°	4.1	4.1	4.1	4.1	4.1	3.9	4.1
42.5°	4.1	4.1	4.1	4.1	4.1	3.9	4.1
40°	4.1	4.1	4.1	4.1	4.1	3.9	4.1
37.5°	4.1	4.1	4.1	4.1	4.1	4.0	4.1
35°	4.1	4.1	4.1	4.1	4.1	4.0	4.1
32.5°	4.2	4.1	4.1	4.1	4.1	4.0	4.1
30°	4.4	4.1	4.1	4.1	4.1	4.0	4.1
27.5°	4.6	4.1	4.1	4.1	4.1	4.0	4.1
25°	4.8	4.1	4.1	4.1	4.1	4.1	4.1
22.5°	5.1	4.1	4.1	4.1	4.1	4.1	4.1
20°	5.3	4.3	4.1	4.1	4.1	4.1	4.1
17.5°	5.7	4.5	4.1	4.1	4.1	4.1	4.1
15°	6.1	4.7	4.1	4.1	4.1	4.1	4.1
12.5°	6.5	4.9	4.1	4.1	4.1	4.1	4.1
10°	6.9	5.1	4.1	4.1	4.1	4.1	4.1
7.5°	7.3	5.4	4.1	4.1	4.1	4.1	4.1
5°	7.6	5.6	4.1	4.1	4.1	4.1	4.1
2.5°	7.9	5.9	4.1	4.1	4.1	4.1	4.1
0°	8.2	6.1	4.1	4.1	4.1	4.1	4.1
-2.5°	10.1	6.8	4.3	4.1	4.1	4.1	4.1
-5°	11.9	7.4	4.4	4.1	4.1	4.1	4.1
-7.5°	13.6	8.0	4.6	4.1	4.1	4.1	4.1
-10°	15.2	8.5	4.8	4.1	4.1	4.1	4.1
-12.5°	16.6	9.0	4.9	4.1	4.1	4.1	4.1
-15°	17.8	9.3	5.0	4.1	4.1	4.1	4.1
-17.5°	18.7	9.6	5.1	4.1	4.1	4.1	4.1
-20°	19.4	9.8	5.1	4.1	4.1	4.1	4.1



REPORT NUMBER: P701735 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.2	9.8	5.2	4.1	4.1	4.1	4.1
-25°	20.5	9.8	5.2	4.1	4.1	4.1	4.1
-27.5°	20.4	9.8	5.1	4.1	4.1	4.1	4.1
-30°	19.9	9.6	5.0	4.1	4.1	4.1	4.1
-32.5°	18.9	9.2	5.1	4.1	4.1	4.1	4.1
-35°	18.1	8.7	5.2	4.1	4.1	4.1	4.1
-37.5°	17.4	8.2	5.2	4.1	4.1	4.1	4.1
-40°	16.4	8.2	5.1	4.1	4.1	4.1	4.1
-42.5°	15.0	8.1	5.2	4.1	4.1	4.1	4.1
-45°	13.4	8.0	5.2	4.2	4.1	4.1	4.1
-47.5°	11.5	7.8	5.3	4.2	4.1	4.1	4.1
-50°	10.9	7.5	5.3	4.2	4.1	4.1	4.1
-52.5°	10.5	7.2	5.2	4.3	4.1	4.1	4.1
-55°	10.1	7.0	5.1	4.3	4.1	4.1	4.1
-57.5°	9.5	6.8	5.0	4.3	4.1	4.1	4.1
-60°	8.9	6.4	4.8	4.2	4.1	4.1	4.1
-62.5°	8.3	6.1	4.8	4.2	4.1	4.1	4.1
-65°	7.6	5.6	4.7	4.2	4.1	4.1	4.1
-67.5°	6.9	5.3	4.5	4.2	4.1	4.1	4.1
-70°	6.0	5.0	4.4	4.1	4.1	4.1	4.1
-72.5°	5.6	4.8	4.3	4.1	4.1	4.1	4.1
-75°	5.1	4.5	4.1	4.1	4.1	4.1	4.1
-77.5°	4.6	4.2	4.1	4.1	4.1	4.1	4.1
-80°	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-90°	2.0	2.0	2.0	2.0	2.0	3.1	4.1

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

