

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: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-3S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-3S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

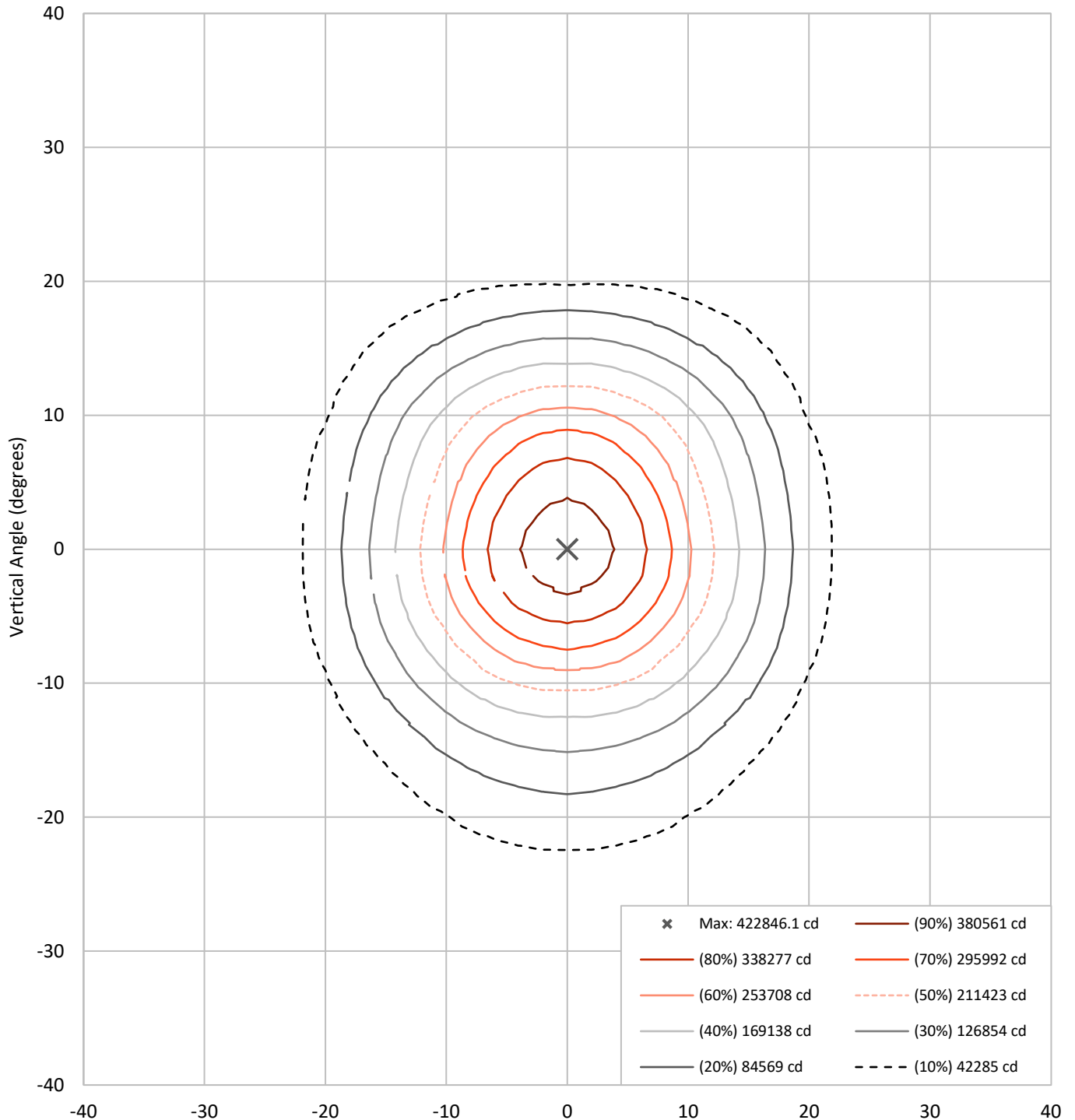
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	87638.2 lumens	Max Intensity:	422846.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	41325.6 lumens	Field Lumens:	74656.4 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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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CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

Iso-Candela Plot





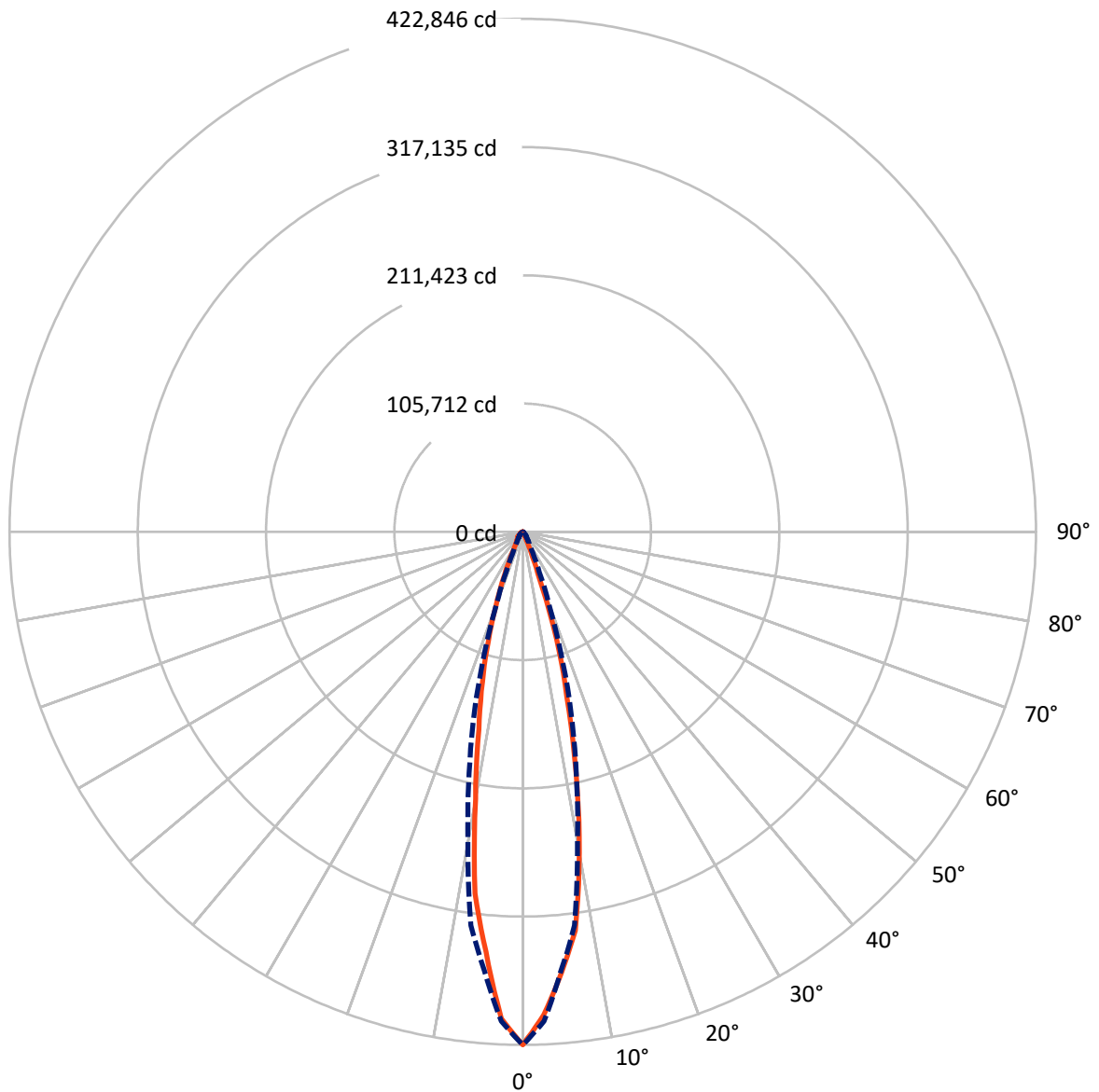
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Lumen Table

90	0.1		0.3		0.5		0.6		0.6		0.6		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.6		0.6		0.6		0.5		0.3		0.1	
70	0.1	0.1	0.2	0.7	0.9	0.6	0.5	0.4	0.4	0.5	0.6	0.9	0.7	0.2	0.1	0.1		
60		0.1	0.5	0.9	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.9	0.5	0.1			
50	0.2	0.3	0.8	0.7	0.8	1.3	2.3	1.6	1.6	2.3	1.3	0.8	0.7	0.8	0.3	0.2		
40		0.5	1.5	3.4	6.1	8.9	12.2	14.7	14.7	12.2	8.9	6.1	3.4	1.5	0.5			
30	0.3	0.8	6.0	18.7	43.2	72.0	147.8	284.5	284.5	147.8	72.0	43.2	18.7	6.0	0.8	0.3		
20		1.8	12.8	47.6	115.2	305.0	1679.5	3963.6	3963.6	1679.5	305.0	115.2	47.6	12.8	1.8			
10	0.4	2.8	16.9	63.3	148.2	650.6	4026.4	9442.8	9442.8	4026.4	650.6	148.2	63.3	16.9	2.8	0.4		
0		3.4	18.2	64.4	148.6	644.2	3956.1	9049.1	9049.1	3956.1	644.2	148.6	64.4	18.2	3.4			
-10	0.8	4.1	17.2	53.5	116.8	307.5	1603.9	3620.1	3620.1	1603.9	307.5	116.8	53.5	17.2	4.1	0.8		
-20		4.3	16.0	40.0	99.6	174.3	399.1	815.9	815.9	399.1	174.3	99.6	40.0	16.0	4.3			
-30	0.6	3.8	13.7	30.3	73.5	144.1	202.4	248.7	248.7	202.4	144.1	73.5	30.3	13.7	3.8	0.6		
-40		2.7	10.4	23.9	44.6	79.2	129.6	165.9	165.9	129.6	79.2	44.6	23.9	10.4	2.7			
-50	0.3	1.3	6.4	16.0	30.4	46.9	62.7	72.6	72.6	62.7	46.9	30.4	16.0	6.4	1.3	0.3		
-60		0.5	2.2	7.0	14.2	22.5	30.7	35.4	35.4	30.7	22.5	14.2	7.0	2.2	0.5			
-70	0.2	1.3	4.5	11.5	15.6	11.5	4.5	1.3	0.2	0.2								
-80		1.3	4.5	11.5	15.6	11.5	4.5	1.3	0.2									
-90	0.2		1.3		4.5		11.5		15.6		11.5		4.5		1.3		0.2	

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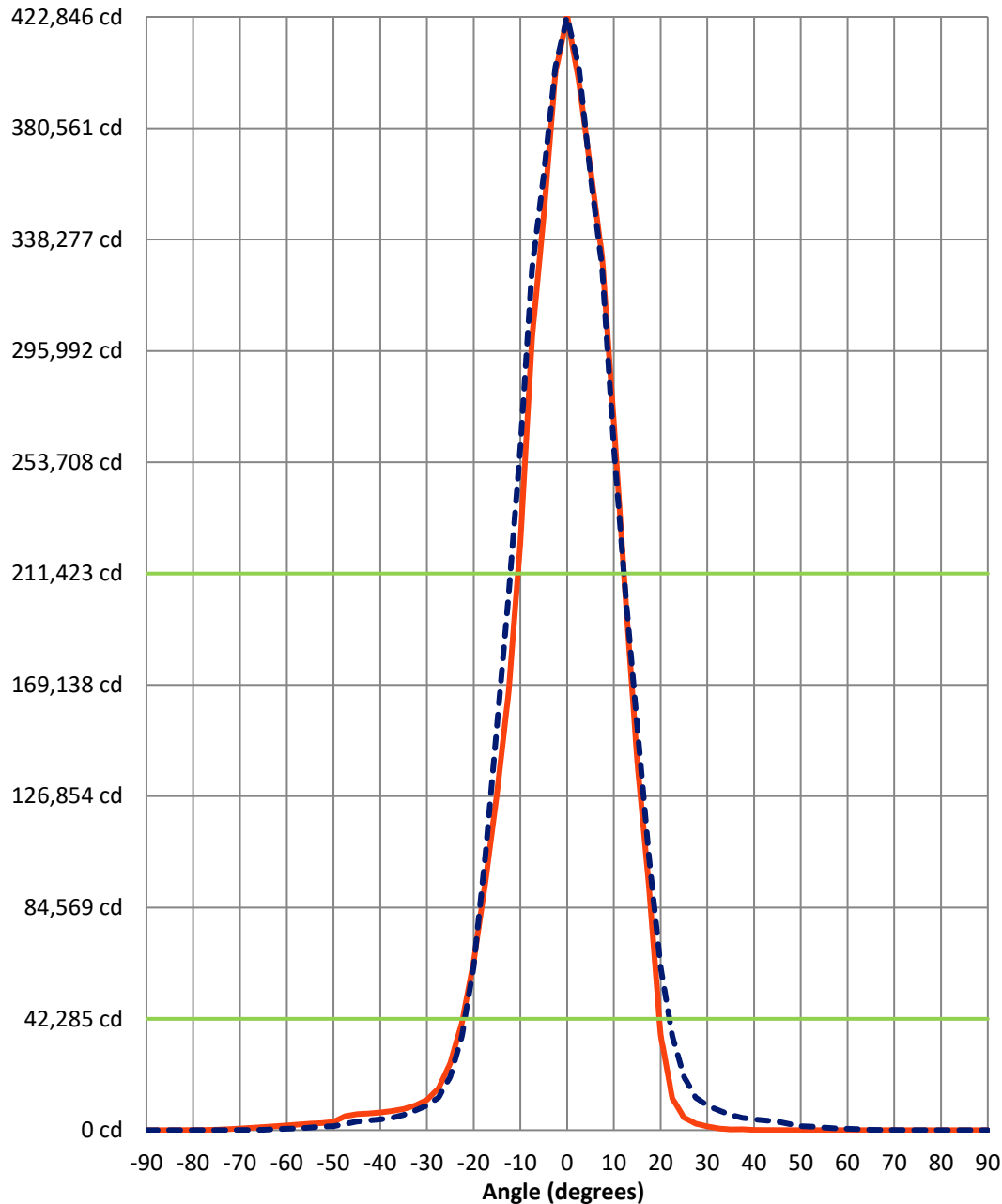
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 41325.6
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 74656.4
 Efficiency: 85.2%

Spill:
 Lumens: 12981.8
 Efficiency: 14.8%

— 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°	4.3	5.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	4.3	4.4	4.5	4.5	4.5	4.4	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.5	4.7	4.7	4.7	4.5	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.6	4.8	4.9	4.9	4.7	4.3	4.3	4.3	4.4	4.3
80°	4.3	4.7	5.0	5.1	5.0	4.8	4.4	4.6	4.7	4.6	4.3
77.5°	4.3	4.8	5.2	5.3	5.2	5.0	4.9	5.1	5.1	4.9	4.4
75°	4.3	4.8	5.4	5.6	5.4	5.3	5.5	5.6	5.5	5.0	4.5
72.5°	4.3	4.9	5.6	5.8	5.6	5.7	6.0	6.0	5.5	5.0	4.5
70°	4.3	5.0	5.7	6.0	5.8	6.0	6.4	6.1	5.6	5.1	5.2
67.5°	4.3	5.1	5.9	6.1	6.0	6.3	6.4	6.1	5.7	5.6	5.9
65°	4.3	5.2	6.1	6.1	6.1	6.4	6.4	6.2	5.9	6.1	6.5
62.5°	4.3	5.3	6.2	6.2	6.3	6.4	6.4	6.3	6.2	6.5	6.7
60°	4.3	5.3	6.4	6.2	6.4	6.4	6.4	6.4	6.4	6.9	7.0
57.5°	4.3	5.4	6.4	6.3	6.4	6.4	6.5	6.4	6.8	7.3	7.4
55°	4.3	5.5	6.4	6.3	6.4	6.4	6.6	6.5	7.4	7.9	7.8
52.5°	4.3	5.6	6.4	6.4	6.4	6.4	6.8	7.1	8.0	8.5	8.4
50°	4.3	5.6	6.4	6.4	6.4	6.6	7.0	7.7	8.6	9.1	11.3
47.5°	4.3	5.7	6.4	6.4	6.4	6.9	7.3	8.3	9.3	9.8	14.2
45°	4.3	5.8	6.4	6.4	6.4	7.1	7.8	8.9	10.0	12.1	16.8
42.5°	4.3	5.8	6.4	6.4	6.4	7.4	8.3	9.5	10.6	14.2	21.7
40°	4.3	5.9	6.4	6.4	6.5	7.6	8.8	10.0	11.6	16.0	26.8
37.5°	4.3	6.0	6.4	6.4	6.7	7.9	9.2	10.6	13.0	18.4	31.6
35°	4.3	6.0	6.4	6.4	7.0	8.3	9.7	11.1	14.3	22.8	35.5
32.5°	4.3	6.1	6.4	6.4	7.2	8.6	10.1	11.6	15.5	27.2	39.0
30°	4.3	6.1	6.4	6.4	7.4	9.0	10.5	12.2	16.6	31.5	42.6
27.5°	4.3	6.2	6.4	6.4	7.6	9.3	10.9	13.1	18.5	35.8	46.3
25°	4.3	6.2	6.4	6.4	7.8	9.6	11.3	13.9	21.9	39.3	50.3
22.5°	4.3	6.2	6.4	6.4	7.9	9.9	11.7	14.6	25.2	42.4	57.3
20°	4.3	6.3	6.4	6.4	8.1	10.1	12.0	15.2	28.3	45.4	64.9
17.5°	4.3	6.3	6.4	6.4	8.2	10.2	12.4	15.7	31.2	48.4	72.8
15°	4.3	6.3	6.4	6.4	8.3	10.3	12.8	16.4	33.9	51.2	81.0
12.5°	4.3	6.4	6.4	6.4	8.4	10.4	13.2	17.3	37.1	54.0	89.1
10°	4.3	6.4	6.4	6.4	8.5	10.5	13.6	18.2	40.6	58.4	98.3
7.5°	4.3	6.4	6.4	6.4	8.5	10.6	14.0	19.1	43.8	63.0	109.5
5°	4.3	6.4	6.4	6.4	8.6	10.7	14.4	20.0	46.8	67.3	120.4
2.5°	4.3	6.4	6.4	6.4	8.6	10.7	14.7	20.8	49.4	71.4	130.5
0°	4.3	6.4	6.4	6.4	8.6	10.7	14.7	20.8	49.4	71.4	130.5
-2.5°	4.3	6.4	6.5	6.7	9.0	11.6	17.6	28.2	63.4	94.5	164.5
-5°	4.3	6.4	6.6	7.0	9.3	12.5	20.0	34.7	74.6	113.0	187.7
-7.5°	4.3	6.4	6.7	7.2	9.7	13.4	22.3	40.7	84.8	130.4	209.1
-10°	4.3	6.4	6.8	7.5	10.0	14.2	24.4	46.1	93.8	146.2	228.4
-12.5°	4.3	6.4	6.9	7.8	10.3	14.9	26.2	50.8	101.5	160.4	247.8
-15°	4.3	6.3	6.9	8.0	10.5	15.5	27.7	54.6	108.3	173.3	265.0
-17.5°	4.3	6.3	7.0	8.2	10.8	16.0	28.8	58.2	114.3	184.0	278.1
-20°	4.3	6.3	7.1	8.4	11.0	16.4	29.9	61.2	118.3	192.5	286.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	6.3	7.1	8.6	11.2	16.6	30.9	62.9	120.2	198.4	290.8
-25°	4.3	6.2	7.2	8.8	11.4	16.8	31.2	63.2	119.8	201.8	289.6
-27.5°	4.3	6.2	7.2	8.9	11.6	16.9	30.7	62.0	117.1	202.0	292.4
-30°	4.3	6.2	7.2	9.0	11.7	16.8	29.4	59.2	114.4	198.3	291.9
-32.5°	4.3	6.2	7.2	9.1	11.8	16.5	27.3	57.2	111.1	191.4	287.7
-35°	4.3	6.1	7.2	9.1	11.9	16.1	26.3	54.7	105.4	181.2	279.7
-37.5°	4.3	6.1	7.2	9.1	11.9	15.6	25.6	50.9	97.3	167.5	261.9
-40°	4.3	6.1	7.2	9.1	11.8	15.6	24.6	45.8	87.0	154.8	239.7
-42.5°	4.3	6.0	7.1	9.1	11.7	15.5	23.4	39.4	78.1	138.5	214.3
-45°	4.3	6.0	7.0	9.0	11.6	15.2	21.8	34.3	69.2	119.5	186.7
-47.5°	4.3	6.0	7.0	8.9	11.5	14.9	19.9	32.0	58.6	98.4	162.5
-50°	4.3	5.9	6.9	8.7	11.3	14.5	19.1	29.3	45.9	83.7	135.6
-52.5°	4.3	5.9	6.8	8.6	11.0	14.1	18.5	26.1	39.1	67.8	107.2
-55°	4.3	5.9	6.7	8.4	10.8	13.7	17.7	22.9	34.7	50.6	87.4
-57.5°	4.3	5.8	6.5	8.2	10.5	13.2	16.8	21.7	30.1	42.4	66.2
-60°	4.3	5.8	6.4	8.0	10.2	12.8	15.8	20.4	25.9	36.6	48.9
-62.5°	4.3	5.8	6.4	7.7	9.8	12.2	15.1	19.0	24.2	30.6	41.9
-65°	4.3	5.7	6.4	7.5	9.4	11.7	14.4	17.7	22.3	27.5	34.5
-67.5°	4.3	5.7	6.4	7.2	9.0	11.1	13.5	16.6	20.3	25.1	30.3
-70°	4.3	5.7	6.4	6.9	8.5	10.4	12.7	15.5	18.9	22.7	27.3
-72.5°	4.3	5.6	6.4	6.8	8.0	9.7	11.7	14.4	17.4	20.8	24.4
-75°	4.3	5.6	6.4	6.8	7.5	9.0	10.7	13.1	15.9	18.8	22.1
-77.5°	4.3	5.6	6.4	6.7	7.3	8.3	9.7	11.8	14.2	16.8	19.6
-80°	4.3	5.5	6.4	6.7	7.1	7.8	8.7	10.5	12.5	14.7	17.1
-82.5°	4.3	5.5	6.4	6.6	7.0	7.5	8.1	9.3	10.8	12.6	14.5
-85°	4.3	5.4	6.4	6.5	6.8	7.1	7.5	8.4	9.4	10.5	11.9
-87.5°	4.3	5.4	6.4	6.5	6.6	6.8	7.0	7.4	7.9	8.5	9.1
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.0	7.5	8.1	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	3.8	3.2	2.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	3.8	3.2	2.8	2.4	2.5	2.4	2.3	2.1	2.1	2.1	2.1
82.5°	4.0	3.8	3.7	3.7	3.5	3.2	2.7	2.4	2.5	2.4	2.3
80°	4.2	4.3	4.3	4.3	4.0	3.9	3.8	3.9	3.7	3.4	3.1
77.5°	4.3	4.3	4.3	4.3	4.3	4.5	4.8	5.3	5.3	5.1	4.9
75°	4.3	4.3	4.4	4.4	4.5	5.0	5.7	6.2	6.2	6.0	6.0
72.5°	4.6	4.9	4.9	4.6	5.0	5.7	6.1	6.4	7.7	9.4	10.6
70°	5.5	5.6	5.5	5.6	6.0	6.9	9.2	12.2	15.2	17.4	20.3
67.5°	6.3	6.0	6.1	6.6	8.2	10.7	14.1	21.7	30.1	33.4	35.0
65°	6.4	6.3	6.9	8.3	10.5	16.8	25.2	35.0	45.3	47.7	47.5
62.5°	6.4	6.7	7.8	11.1	17.1	25.1	35.9	47.0	57.8	56.1	49.5
60°	6.6	6.9	10.8	17.1	24.4	35.0	46.9	52.8	56.2	55.8	48.1
57.5°	6.9	9.4	16.0	24.1	34.3	43.5	47.3	50.8	52.8	54.5	45.2
55°	8.6	13.8	22.0	32.8	41.1	42.9	45.1	46.3	48.1	44.7	34.6
52.5°	12.6	18.7	29.6	39.0	42.6	42.2	40.0	40.2	37.3	32.6	27.5
50°	16.3	25.8	36.1	41.9	43.6	40.4	34.7	32.9	29.8	26.0	22.5
47.5°	21.9	32.6	39.9	44.8	43.8	39.2	32.6	28.5	25.3	24.3	20.9
45°	27.9	37.4	44.4	46.4	44.2	38.4	33.0	25.7	27.2	27.0	26.7
42.5°	33.7	41.4	47.3	49.0	44.2	40.3	35.6	33.8	33.6	37.9	40.8
40°	37.5	45.2	50.7	51.3	46.0	45.0	48.2	50.2	48.3	55.6	61.8
37.5°	40.8	49.1	56.0	58.6	52.0	57.3	65.3	87.9	90.1	77.1	98.8
35°	43.9	53.8	66.6	76.6	76.3	76.7	111.4	145.8	161.8	141.7	160.5
32.5°	47.8	59.1	81.2	107.3	128.9	132.3	170.0	239.9	272.7	274.1	271.4
30°	53.5	72.9	103.9	146.9	201.5	254.5	283.2	360.0	412.8	503.1	571.5
27.5°	61.3	90.7	142.1	213.8	300.0	405.1	469.1	513.6	643.7	812.6	994.6
25°	70.3	126.7	186.3	299.8	446.1	579.8	661.3	714.7	942.0	1277.0	1511.3
22.5°	89.8	172.9	250.9	397.4	611.2	761.4	847.5	1019.8	1372.1	1821.8	2099.3
20°	123.6	229.5	326.7	486.4	780.1	947.3	1028.8	1370.7	1914.5	2375.7	2757.9
17.5°	162.6	286.5	402.0	590.7	875.0	1090.4	1229.0	1746.4	2492.4	2906.6	3344.4
15°	205.4	343.5	469.0	683.4	966.4	1175.1	1474.9	2199.3	3020.9	3416.5	3868.1
12.5°	250.7	399.7	528.4	764.7	1056.5	1253.4	1695.0	2522.3	3293.8	3829.3	4415.3
10°	297.0	454.6	580.7	834.9	1143.5	1325.4	1901.8	2791.6	3438.0	3941.8	4625.5
7.5°	325.7	492.4	623.6	894.2	1225.3	1391.3	2090.5	3008.9	3540.4	4008.3	4654.2
5°	346.5	510.7	644.7	934.6	1282.3	1443.6	2244.6	3176.6	3607.0	4034.9	4603.2
2.5°	361.8	524.9	662.6	964.9	1317.4	1479.5	2317.0	3241.1	3651.0	4067.4	4610.8
0°	371.7	535.0	676.8	986.1	1340.6	1510.4	2354.7	3263.5	3678.1	4094.9	4687.9
-2.5°	384.8	549.7	699.4	1007.7	1346.5	1517.2	2360.2	3254.7	3693.7	4160.8	4771.3
-5°	393.6	560.3	717.4	1019.8	1342.2	1518.1	2330.6	3208.2	3671.2	4144.6	4739.2
-7.5°	398.7	566.7	730.3	1020.9	1319.2	1495.2	2229.4	3062.1	3545.2	3989.4	4573.7
-10°	402.9	575.9	742.5	1003.5	1274.8	1455.1	2086.8	2888.6	3405.4	3814.5	4363.2
-12.5°	416.5	588.3	751.6	982.6	1229.3	1410.0	1912.3	2693.0	3254.5	3622.3	4136.1
-15°	425.9	598.4	756.9	959.7	1185.1	1360.1	1707.3	2479.7	3139.5	3552.7	3993.2
-17.5°	431.5	606.5	758.9	936.5	1144.9	1305.8	1481.9	2281.9	3047.9	3514.9	3921.6
-20°	433.1	613.0	757.6	914.5	1109.5	1273.5	1431.8	2041.9	2824.0	3454.8	3858.5



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	431.0	618.4	755.6	904.5	1086.6	1258.9	1412.7	1776.5	2528.3	3368.0	3777.6
-25°	429.7	611.0	755.3	890.4	1060.8	1241.4	1392.9	1528.4	2195.9	3034.4	3668.9
-27.5°	427.0	599.6	740.0	868.0	1028.5	1216.7	1369.5	1503.2	1889.6	2655.4	3498.1
-30°	417.4	569.1	719.2	840.0	995.9	1175.0	1343.2	1484.8	1629.3	2268.5	3054.6
-32.5°	395.9	535.7	684.8	812.8	955.3	1126.7	1305.7	1452.3	1599.0	1833.6	2579.2
-35°	373.0	504.2	644.7	778.9	906.3	1071.1	1242.1	1408.8	1554.8	1708.2	2072.1
-37.5°	355.3	469.7	602.9	736.7	863.1	1007.9	1171.6	1340.2	1497.5	1655.9	1835.0
-40°	334.0	432.3	561.1	689.3	815.5	946.3	1097.3	1256.8	1421.5	1603.9	1771.9
-42.5°	308.6	404.4	517.1	640.6	763.0	888.5	1018.9	1169.8	1342.1	1534.9	1712.7
-45°	276.6	372.5	472.1	587.8	706.1	825.7	949.6	1080.3	1253.0	1437.2	1626.1
-47.5°	241.0	335.5	431.7	530.6	644.1	759.5	875.3	1007.3	1153.2	1324.6	1508.2
-50°	203.9	291.5	385.4	476.8	577.0	687.7	799.4	926.7	1064.1	1206.9	1367.7
-52.5°	170.1	243.3	331.1	421.6	511.7	609.9	718.9	837.6	965.0	1100.7	1233.1
-55°	133.3	198.8	271.6	358.0	446.8	534.3	628.1	736.8	854.0	978.1	1101.9
-57.5°	103.5	152.7	215.3	287.4	371.5	458.6	542.0	628.8	731.3	842.6	950.9
-60°	77.7	112.8	160.2	221.2	288.9	369.2	452.3	532.6	614.0	696.1	792.0
-62.5°	54.0	81.2	114.1	156.2	214.2	277.0	349.8	426.4	504.0	574.6	644.6
-65°	45.3	54.4	77.1	107.9	140.5	193.6	251.9	313.0	381.2	442.2	505.0
-67.5°	36.2	44.6	52.8	65.1	93.2	123.8	156.8	208.4	261.6	305.6	350.5
-70°	31.6	35.3	42.0	49.3	56.4	68.9	95.7	124.4	153.0	181.6	218.5
-72.5°	27.8	30.9	34.3	37.9	43.7	49.7	55.7	61.8	77.9	99.7	119.9
-75°	24.4	26.5	29.2	32.1	35.0	37.7	40.7	45.7	50.7	55.8	60.8
-77.5°	21.3	22.9	24.6	26.5	28.6	31.0	33.3	35.5	37.6	39.6	41.8
-80°	18.3	19.3	20.4	21.7	23.2	24.7	26.4	28.1	29.5	30.8	32.2
-82.5°	15.3	16.1	16.8	17.5	18.2	18.8	19.5	20.6	21.6	22.5	23.4
-85°	12.4	12.9	13.4	13.8	14.3	14.7	15.1	15.5	15.9	16.3	16.7
-87.5°	9.7	10.2	10.7	11.1	11.2	11.4	11.5	11.6	11.8	11.9	12.0
-90°	3.8	3.2	2.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.6	9.1	9.7	10.2	10.7	10.7	10.7	10.7	10.7	10.7	10.7
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.8	2.7	2.6	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	4.6	4.3	4.0	3.7	3.4	3.2	2.9	2.6	2.2	2.1	2.1
75°	6.2	6.3	6.4	6.1	5.5	5.0	4.7	4.3	3.9	4.0	4.1
72.5°	11.4	11.3	10.9	10.8	10.1	9.8	9.9	9.7	9.4	9.6	10.0
70°	22.0	22.5	22.1	20.7	18.4	16.7	15.8	14.5	13.0	12.8	13.4
67.5°	34.6	33.0	31.1	28.5	24.7	21.4	19.7	18.1	16.6	16.3	16.7
65°	44.1	37.4	32.8	29.1	26.0	22.9	20.8	18.8	16.7	15.6	15.4
62.5°	42.6	35.0	29.9	26.4	23.6	21.1	18.5	16.0	13.6	12.1	12.2
60°	40.0	31.5	24.9	21.7	19.2	17.3	15.1	13.1	11.6	10.7	10.9
57.5°	34.0	24.8	19.0	17.5	15.8	13.8	12.3	11.5	11.0	10.7	10.7
55°	26.2	21.0	17.5	15.6	13.7	11.9	10.8	11.1	11.0	10.7	11.2
52.5°	21.6	18.5	16.1	14.3	13.4	12.9	12.7	12.7	12.9	13.3	13.6
50°	19.3	17.2	16.1	14.8	14.8	14.8	14.8	15.5	16.1	16.3	16.1
47.5°	19.5	18.7	19.6	17.1	17.5	19.1	19.2	19.4	20.8	21.2	21.0
45°	24.6	29.7	29.8	27.4	26.0	31.7	32.1	29.1	44.6	43.6	33.1
42.5°	43.9	46.8	47.0	49.6	55.0	72.3	104.3	133.2	137.6	120.9	83.0
40°	70.8	68.4	73.8	88.6	131.3	170.3	199.8	288.0	287.2	224.8	226.5
37.5°	115.3	112.7	120.9	165.8	179.6	155.3	218.6	224.8	192.5	229.4	232.7
35°	198.5	225.0	196.2	243.5	245.9	219.9	236.0	263.4	224.5	268.7	287.9
32.5°	361.8	408.7	413.1	409.4	433.9	457.7	443.7	510.2	522.1	566.3	614.9
30°	587.9	678.0	746.9	733.7	774.1	845.2	868.4	970.0	1071.2	1134.0	1287.9
27.5°	1024.4	1070.0	1211.2	1310.6	1287.6	1403.7	1633.9	1705.1	1995.6	2134.6	2335.0
25°	1622.2	1703.0	1904.3	2140.3	2241.4	2435.9	2809.9	2988.9	3370.4	3565.2	4299.5
22.5°	2362.8	2636.5	2889.1	3206.2	3661.4	4047.9	4463.6	5162.6	6298.2	7929.7	9877.5
20°	3208.3	3667.1	4049.0	4634.9	5389.4	6116.4	7192.0	10293.4	13587.3	20457.9	25125.9
17.5°	4008.3	4736.5	5270.1	6048.3	7162.6	8982.5	12687.8	19620.2	30515.4	43824.8	56529.6
15°	4632.5	5376.8	6365.9	7540.4	9242.6	12803.9	19572.2	33274.7	54047.2	74327.8	95666.4
12.5°	5160.0	5947.2	7031.3	8622.4	11168.2	17569.4	29738.8	50380.0	77763.3	107954.7	139855.0
10°	5499.5	6455.4	7753.8	9855.0	14085.6	23180.0	39000.7	66660.2	103468.0	142886.0	178342.2
7.5°	5559.3	6725.6	8370.3	10926.2	16980.3	29032.8	50017.0	82555.0	122867.0	167263.0	211917.5
5°	5583.1	6977.3	8891.4	11767.7	18968.9	33266.5	56363.1	92738.3	137499.3	183094.6	231153.3
2.5°	5646.8	7224.4	9273.8	12356.4	20116.2	35791.1	60030.4	100032.6	147255.3	196766.2	250348.9
0°	5779.3	7483.0	9356.5	12456.7	20356.5	35844.6	62145.9	104212.4	153618.1	203640.3	259529.9
-2.5°	5851.2	7449.9	9286.7	12252.0	20046.6	35850.3	60112.8	101304.4	150300.1	199105.7	255426.4
-5°	5727.8	7117.2	8857.1	11634.5	18690.5	32983.3	56074.2	93795.7	139018.5	182900.1	228189.6
-7.5°	5462.9	6649.1	8246.4	10757.6	16587.6	28539.5	48774.3	79748.6	118150.0	156298.8	191583.1
-10°	5154.4	6153.0	7463.0	9484.5	13615.8	22566.0	38163.3	62534.8	95519.5	128268.6	158045.4
-12.5°	4821.4	5599.1	6569.0	7967.2	10539.1	17038.7	28922.9	47602.3	70410.2	95115.5	122162.1
-15°	4537.0	5110.2	5845.4	7036.2	8998.0	12693.5	19414.6	31845.0	48199.9	67567.7	87505.0
-17.5°	4345.7	4772.0	5412.2	6320.5	7526.4	9721.4	14585.8	21955.6	32478.9	46974.4	60141.9
-20°	4208.4	4609.3	5117.4	5832.6	6842.5	8390.1	10770.3	15849.8	22774.5	32169.9	41107.8



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4110.5	4471.2	4900.6	5476.1	6378.0	7587.4	9106.7	11572.0	15932.9	21473.4	27687.1
-25°	4014.1	4313.3	4786.9	5405.7	6025.6	6891.0	7941.1	9151.5	11474.8	13938.0	17752.2
-27.5°	3903.9	4274.0	4803.2	5381.3	5939.8	6369.3	7114.8	7949.6	9179.7	10370.6	12330.1
-30°	3823.6	4297.0	4823.4	5379.0	5809.4	6189.0	6605.9	7243.9	8039.8	8881.5	9782.3
-32.5°	3424.0	4226.6	4766.9	5265.0	5621.0	5973.7	6343.0	6785.6	7294.5	7827.7	8374.9
-35°	2888.5	3743.2	4581.5	4972.0	5332.7	5688.5	6073.6	6432.2	6791.2	7151.8	7495.4
-37.5°	2232.1	3069.7	3861.6	4543.9	4958.0	5320.3	5730.9	6098.9	6413.8	6684.7	6949.2
-40°	1950.0	2242.4	3008.5	3726.6	4329.4	4903.5	5290.4	5698.1	6049.2	6299.1	6523.7
-42.5°	1872.4	2037.1	2206.9	2757.6	3423.2	4013.1	4538.1	5048.1	5530.8	5878.2	6145.3
-45°	1804.9	1944.4	2089.9	2252.3	2414.5	2931.8	3477.5	4026.8	4595.0	5103.5	5515.3
-47.5°	1680.2	1849.1	1992.3	2126.7	2255.7	2402.9	2555.0	2773.7	3272.3	3781.2	4245.0
-50°	1526.2	1684.4	1844.1	2003.0	2122.6	2235.5	2351.1	2481.6	2626.9	2775.2	2900.2
-52.5°	1358.4	1503.9	1651.4	1791.5	1925.4	2055.4	2182.3	2297.4	2405.7	2510.1	2571.5
-55°	1222.1	1338.6	1454.8	1574.9	1696.9	1815.9	1933.9	2052.9	2167.5	2277.0	2338.1
-57.5°	1063.2	1179.3	1290.4	1382.0	1476.7	1573.4	1674.4	1776.9	1877.3	1970.9	2023.6
-60°	890.5	991.2	1087.6	1176.5	1264.1	1349.8	1432.6	1513.9	1592.1	1660.0	1701.3
-62.5°	716.9	798.9	878.8	954.4	1028.0	1100.3	1177.7	1251.1	1320.2	1376.1	1410.4
-65°	568.8	631.3	686.9	741.3	795.0	856.9	922.8	985.2	1043.7	1089.3	1119.4
-67.5°	402.8	456.6	507.5	556.0	600.6	644.7	691.6	737.4	781.5	815.6	839.9
-70°	253.8	287.8	321.3	357.1	396.2	435.0	473.6	509.2	541.7	566.1	584.6
-72.5°	138.4	154.7	171.8	197.2	221.5	247.4	274.0	299.1	322.5	339.0	351.2
-75°	65.7	73.0	86.2	98.0	108.4	119.8	131.3	141.9	151.6	156.7	159.5
-77.5°	45.0	48.7	51.9	54.9	57.5	60.9	64.5	68.2	71.9	74.2	76.0
-80°	33.6	35.0	36.5	37.9	39.4	41.0	42.5	43.9	45.2	46.3	47.4
-82.5°	24.2	25.0	25.7	26.4	27.0	28.1	29.2	30.1	31.1	31.9	32.7
-85°	17.0	17.4	17.9	18.2	18.5	19.1	19.7	20.4	21.0	21.2	21.3
-87.5°	12.1	12.7	13.4	14.0	14.6	14.7	14.7	14.8	14.9	14.9	14.9
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.7	10.7	11.8	12.9	11.8	10.7	10.7	10.7	10.7	10.7	10.7
87.5°	0.5	0.0	1.0	2.1	1.0	0.0	0.5	1.1	1.6	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	3.2	4.3	3.2	2.1	2.1	2.1	2.1	2.2	2.6
75°	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.1	4.0	3.9	4.3
72.5°	10.3	10.5	10.7	10.7	10.7	10.5	10.3	10.0	9.6	9.4	9.7
70°	14.1	14.8	15.0	15.0	15.0	14.8	14.1	13.4	12.8	13.0	14.5
67.5°	17.0	17.1	17.2	17.2	17.2	17.1	17.0	16.7	16.3	16.6	18.1
65°	15.2	15.1	14.1	12.9	14.1	15.1	15.2	15.4	15.6	16.7	18.8
62.5°	12.4	12.9	12.9	12.9	12.9	12.9	12.4	12.2	12.1	13.6	16.0
60°	10.9	10.8	10.7	10.7	10.7	10.8	10.9	10.9	10.7	11.6	13.1
57.5°	10.7	10.7	11.6	12.9	11.6	10.7	10.7	10.7	10.7	11.0	11.5
55°	11.8	12.5	12.9	12.9	12.9	12.5	11.8	11.2	10.7	11.0	11.1
52.5°	13.5	13.1	12.9	12.9	12.9	13.1	13.5	13.6	13.3	12.9	12.7
50°	15.7	15.2	15.0	15.0	15.0	15.2	15.7	16.1	16.3	16.1	15.5
47.5°	20.5	19.7	19.2	19.3	19.2	19.7	20.5	21.0	21.2	20.8	19.4
45°	33.8	34.0	34.1	34.4	34.1	34.0	33.8	33.1	43.6	44.6	29.1
42.5°	79.7	68.9	59.6	60.2	59.6	68.9	79.7	83.0	120.9	137.6	133.2
40°	204.1	152.7	101.5	85.9	101.5	152.7	204.1	226.5	224.8	287.2	288.0
37.5°	210.2	214.4	252.3	339.5	252.3	214.4	210.2	232.7	229.4	192.5	224.8
35°	293.7	298.3	287.7	281.4	287.7	298.3	293.7	287.9	268.7	224.5	263.4
32.5°	624.6	652.3	648.9	631.6	648.9	652.3	624.6	614.9	566.3	522.1	510.2
30°	1345.3	1415.7	1408.1	1422.3	1408.1	1415.7	1345.3	1287.9	1134.0	1071.2	970.0
27.5°	2414.4	2501.3	2517.2	2498.6	2517.2	2501.3	2414.4	2335.0	2134.6	1995.6	1705.1
25°	4792.7	4930.2	4879.9	4814.7	4879.9	4930.2	4792.7	4299.5	3565.2	3370.4	2988.9
22.5°	12154.5	12698.7	12642.8	12183.8	12642.8	12698.7	12154.5	9877.5	7929.7	6298.2	5162.6
20°	33393.4	36986.7	38550.4	36431.2	38550.4	36986.7	33393.4	25125.9	20457.9	13587.3	10293.4
17.5°	70681.7	81629.8	89414.2	92662.4	89414.2	81629.8	70681.7	56529.6	43824.8	30515.4	19620.2
15°	115617.2	132097.5	141682.1	140394.4	141682.1	132097.5	115617.2	95666.4	74327.8	54047.2	33274.7
12.5°	166251.9	185785.0	201972.7	202315.8	201972.7	185785.0	166251.9	139855.0	107954.7	77763.3	50380.0
10°	215228.6	242338.6	264433.0	268714.5	264433.0	242338.6	215228.6	178342.2	142886.0	103468.0	66660.2
7.5°	251972.1	293531.5	321266.1	331428.7	321266.1	293531.5	251972.1	211917.5	167263.0	122867.0	82555.0
5°	288283.5	331831.1	360091.1	365104.5	360091.1	331831.1	288283.5	231153.3	183094.6	137499.3	92738.3
2.5°	312774.9	356702.8	381432.7	398585.9	381432.7	356702.8	312774.9	250348.9	196766.2	147255.3	100032.6
0°	327121.1	362913.1	403833.4	422846.1	403833.4	362913.1	327121.1	259529.9	203640.3	153618.1	104212.4
-2.5°	316274.2	356539.3	379967.0	401572.1	379967.0	356539.3	316274.2	255426.4	199105.7	150300.1	101304.4
-5°	280350.5	324141.0	344838.2	347538.8	344838.2	324141.0	280350.5	228189.6	182900.1	139018.5	93795.7
-7.5°	229079.3	269851.7	289723.2	300693.0	289723.2	269851.7	229079.3	191583.1	156298.8	118150.0	79748.6
-10°	185441.9	209236.0	222613.2	223494.1	222613.2	209236.0	185441.9	158045.4	128268.6	95519.5	62534.8
-12.5°	143171.0	159131.2	167043.0	166753.7	167043.0	159131.2	143171.0	122162.1	95115.5	70410.2	47602.3
-15°	105061.3	117460.8	124597.4	128019.4	124597.4	117460.8	105061.3	87505.0	67567.7	48199.9	31845.0
-17.5°	74155.8	84006.0	91157.0	94046.0	91157.0	84006.0	74155.8	60141.9	46974.4	32478.9	21955.6
-20°	50554.4	57305.2	61944.6	63914.1	61944.6	57305.2	50554.4	41107.8	32169.9	22774.5	15849.8



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33299.6	37825.3	41006.2	40835.5	41006.2	37825.3	33299.6	27687.1	21473.4	15932.9	11572.0
-25°	21228.0	23716.4	25350.3	25482.7	25350.3	23716.4	21228.0	17752.2	13938.0	11474.8	9151.5
-27.5°	14050.1	15144.0	15803.4	15917.8	15803.4	15144.0	14050.1	12330.1	10370.6	9179.7	7949.6
-30°	10634.0	11137.4	11514.3	11498.5	11514.3	11137.4	10634.0	9782.3	8881.5	8039.8	7243.9
-32.5°	8840.4	9088.1	9253.2	9386.6	9253.2	9088.1	8840.4	8374.9	7827.7	7294.5	6785.6
-35°	7731.1	7857.2	7949.2	8033.0	7949.2	7857.2	7731.1	7495.4	7151.8	6791.2	6432.2
-37.5°	7101.3	7188.5	7246.4	7266.0	7246.4	7188.5	7101.3	6949.2	6684.7	6413.8	6098.9
-40°	6609.5	6658.7	6688.0	6705.3	6688.0	6658.7	6609.5	6523.7	6299.1	6049.2	5698.1
-42.5°	6240.5	6307.9	6342.8	6342.2	6342.8	6307.9	6240.5	6145.3	5878.2	5530.8	5048.1
-45°	5751.4	5922.0	6025.4	6069.4	6025.4	5922.0	5751.4	5515.3	5103.5	4595.0	4026.8
-47.5°	4625.2	4949.2	5176.5	5295.9	5176.5	4949.2	4625.2	4245.0	3781.2	3272.3	2773.7
-50°	3012.6	3120.9	3166.5	3147.5	3166.5	3120.9	3012.6	2900.2	2775.2	2626.9	2481.6
-52.5°	2617.1	2655.9	2679.5	2689.9	2679.5	2655.9	2617.1	2571.5	2510.1	2405.7	2297.4
-55°	2389.7	2432.9	2460.7	2475.0	2460.7	2432.9	2389.7	2338.1	2277.0	2167.5	2052.9
-57.5°	2067.4	2102.3	2123.6	2133.4	2123.6	2102.3	2067.4	2023.6	1970.9	1877.3	1776.9
-60°	1736.5	1765.1	1783.9	1794.0	1783.9	1765.1	1736.5	1701.3	1660.0	1592.1	1513.9
-62.5°	1438.2	1459.3	1477.9	1491.0	1477.9	1459.3	1438.2	1410.4	1376.1	1320.2	1251.1
-65°	1143.9	1162.6	1176.1	1183.8	1176.1	1162.6	1143.9	1119.4	1089.3	1043.7	985.2
-67.5°	859.7	875.1	887.7	895.9	887.7	875.1	859.7	839.9	815.6	781.5	737.4
-70°	599.5	610.8	621.8	629.5	621.8	610.8	599.5	584.6	566.1	541.7	509.2
-72.5°	360.9	368.0	371.4	371.7	371.4	368.0	360.9	351.2	339.0	322.5	299.1
-75°	161.1	161.5	164.9	167.6	164.9	161.5	161.1	159.5	156.7	151.6	141.9
-77.5°	77.6	78.9	80.4	81.6	80.4	78.9	77.6	76.0	74.2	71.9	68.2
-80°	48.3	49.2	49.3	49.4	49.3	49.2	48.3	47.4	46.3	45.2	43.9
-82.5°	33.5	34.2	34.4	34.4	34.4	34.2	33.5	32.7	31.9	31.1	30.1
-85°	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.3	21.2	21.0	20.4
-87.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9	14.9	14.9	14.8
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.7	10.7	10.7	10.2	9.7	9.1	8.6	8.6	8.6	8.6	8.6
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.4	2.5	2.4
80°	2.1	2.1	2.1	2.4	2.6	2.7	2.8	3.1	3.4	3.7	3.9
77.5°	2.9	3.2	3.4	3.7	4.0	4.3	4.6	4.9	5.1	5.3	5.3
75°	4.7	5.0	5.5	6.1	6.4	6.3	6.2	6.0	6.0	6.2	6.2
72.5°	9.9	9.8	10.1	10.8	10.9	11.3	11.4	10.6	9.4	7.7	6.4
70°	15.8	16.7	18.4	20.7	22.1	22.5	22.0	20.3	17.4	15.2	12.2
67.5°	19.7	21.4	24.7	28.5	31.1	33.0	34.6	35.0	33.4	30.1	21.7
65°	20.8	22.9	26.0	29.1	32.8	37.4	44.1	47.5	47.7	45.3	35.0
62.5°	18.5	21.1	23.6	26.4	29.9	35.0	42.6	49.5	56.1	57.8	47.0
60°	15.1	17.3	19.2	21.7	24.9	31.5	40.0	48.1	55.8	56.2	52.8
57.5°	12.3	13.8	15.8	17.5	19.0	24.8	34.0	45.2	54.5	52.8	50.8
55°	10.8	11.9	13.7	15.6	17.5	21.0	26.2	34.6	44.7	48.1	46.3
52.5°	12.7	12.9	13.4	14.3	16.1	18.5	21.6	27.5	32.6	37.3	40.2
50°	14.8	14.8	14.8	14.8	16.1	17.2	19.3	22.5	26.0	29.8	32.9
47.5°	19.2	19.1	17.5	17.1	19.6	18.7	19.5	20.9	24.3	25.3	28.5
45°	32.1	31.7	26.0	27.4	29.8	29.7	24.6	26.7	27.0	27.2	25.7
42.5°	104.3	72.3	55.0	49.6	47.0	46.8	43.9	40.8	37.9	33.6	33.8
40°	199.8	170.3	131.3	88.6	73.8	68.4	70.8	61.8	55.6	48.3	50.2
37.5°	218.6	155.3	179.6	165.8	120.9	112.7	115.3	98.8	77.1	90.1	87.9
35°	236.0	219.9	245.9	243.5	196.2	225.0	198.5	160.5	141.7	161.8	145.8
32.5°	443.7	457.7	433.9	409.4	413.1	408.7	361.8	271.4	274.1	272.7	239.9
30°	868.4	845.2	774.1	733.7	746.9	678.0	587.9	571.5	503.1	412.8	360.0
27.5°	1633.9	1403.7	1287.6	1310.6	1211.2	1070.0	1024.4	994.6	812.6	643.7	513.6
25°	2809.9	2435.9	2241.4	2140.3	1904.3	1703.0	1622.2	1511.3	1277.0	942.0	714.7
22.5°	4463.6	4047.9	3661.4	3206.2	2889.1	2636.5	2362.8	2099.3	1821.8	1372.1	1019.8
20°	7192.0	6116.4	5389.4	4634.9	4049.0	3667.1	3208.3	2757.9	2375.7	1914.5	1370.7
17.5°	12687.8	8982.5	7162.6	6048.3	5270.1	4736.5	4008.3	3344.4	2906.6	2492.4	1746.4
15°	19572.2	12803.9	9242.6	7540.4	6365.9	5376.8	4632.5	3868.1	3416.5	3020.9	2199.3
12.5°	29738.8	17569.4	11168.2	8622.4	7031.3	5947.2	5160.0	4415.3	3829.3	3293.8	2522.3
10°	39000.7	23180.0	14085.6	9855.0	7753.8	6455.4	5499.5	4625.5	3941.8	3438.0	2791.6
7.5°	50017.0	29032.8	16980.3	10926.2	8370.3	6725.6	5559.3	4654.2	4008.3	3540.4	3008.9
5°	56363.1	33266.5	18968.9	11767.7	8891.4	6977.3	5583.1	4603.2	4034.9	3607.0	3176.6
2.5°	60030.4	35791.1	20116.2	12356.4	9273.8	7224.4	5646.8	4610.8	4067.4	3651.0	3241.1
0°	62145.9	35844.6	20356.5	12456.7	9356.5	7483.0	5779.3	4687.9	4094.9	3678.1	3263.5
-2.5°	60112.8	35850.3	20046.6	12252.0	9286.7	7449.9	5851.2	4771.3	4160.8	3693.7	3254.7
-5°	56074.2	32983.3	18690.5	11634.5	8857.1	7117.2	5727.8	4739.2	4144.6	3671.2	3208.2
-7.5°	48774.3	28539.5	16587.6	10757.6	8246.4	6649.1	5462.9	4573.7	3989.4	3545.2	3062.1
-10°	38163.3	22566.0	13615.8	9484.5	7463.0	6153.0	5154.4	4363.2	3814.5	3405.4	2888.6
-12.5°	28922.9	17038.7	10539.1	7967.2	6569.0	5599.1	4821.4	4136.1	3622.3	3254.5	2693.0
-15°	19414.6	12693.5	8998.0	7036.2	5845.4	5110.2	4537.0	3993.2	3552.7	3139.5	2479.7
-17.5°	14585.8	9721.4	7526.4	6320.5	5412.2	4772.0	4345.7	3921.6	3514.9	3047.9	2281.9
-20°	10770.3	8390.1	6842.5	5832.6	5117.4	4609.3	4208.4	3858.5	3454.8	2824.0	2041.9



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9106.7	7587.4	6378.0	5476.1	4900.6	4471.2	4110.5	3777.6	3368.0	2528.3	1776.5
-25°	7941.1	6891.0	6025.6	5405.7	4786.9	4313.3	4014.1	3668.9	3034.4	2195.9	1528.4
-27.5°	7114.8	6369.3	5939.8	5381.3	4803.2	4274.0	3903.9	3498.1	2655.4	1889.6	1503.2
-30°	6605.9	6189.0	5809.4	5379.0	4823.4	4297.0	3823.6	3054.6	2268.5	1629.3	1484.8
-32.5°	6343.0	5973.7	5621.0	5265.0	4766.9	4226.6	3424.0	2579.2	1833.6	1599.0	1452.3
-35°	6073.6	5688.5	5332.7	4972.0	4581.5	3743.2	2888.5	2072.1	1708.2	1554.8	1408.8
-37.5°	5730.9	5320.3	4958.0	4543.9	3861.6	3069.7	2232.1	1835.0	1655.9	1497.5	1340.2
-40°	5290.4	4903.5	4329.4	3726.6	3008.5	2242.4	1950.0	1771.9	1603.9	1421.5	1256.8
-42.5°	4538.1	4013.1	3423.2	2757.6	2206.9	2037.1	1872.4	1712.7	1534.9	1342.1	1169.8
-45°	3477.5	2931.8	2414.5	2252.3	2089.9	1944.4	1804.9	1626.1	1437.2	1253.0	1080.3
-47.5°	2555.0	2402.9	2255.7	2126.7	1992.3	1849.1	1680.2	1508.2	1324.6	1153.2	1007.3
-50°	2351.1	2235.5	2122.6	2003.0	1844.1	1684.4	1526.2	1367.7	1206.9	1064.1	926.7
-52.5°	2182.3	2055.4	1925.4	1791.5	1651.4	1503.9	1358.4	1233.1	1100.7	965.0	837.6
-55°	1933.9	1815.9	1696.9	1574.9	1454.8	1338.6	1222.1	1101.9	978.1	854.0	736.8
-57.5°	1674.4	1573.4	1476.7	1382.0	1290.4	1179.3	1063.2	950.9	842.6	731.3	628.8
-60°	1432.6	1349.8	1264.1	1176.5	1087.6	991.2	890.5	792.0	696.1	614.0	532.6
-62.5°	1177.7	1100.3	1028.0	954.4	878.8	798.9	716.9	644.6	574.6	504.0	426.4
-65°	922.8	856.9	795.0	741.3	686.9	631.3	568.8	505.0	442.2	381.2	313.0
-67.5°	691.6	644.7	600.6	556.0	507.5	456.6	402.8	350.5	305.6	261.6	208.4
-70°	473.6	435.0	396.2	357.1	321.3	287.8	253.8	218.5	181.6	153.0	124.4
-72.5°	274.0	247.4	221.5	197.2	171.8	154.7	138.4	119.9	99.7	77.9	61.8
-75°	131.3	119.8	108.4	98.0	86.2	73.0	65.7	60.8	55.8	50.7	45.7
-77.5°	64.5	60.9	57.5	54.9	51.9	48.7	45.0	41.8	39.6	37.6	35.5
-80°	42.5	41.0	39.4	37.9	36.5	35.0	33.6	32.2	30.8	29.5	28.1
-82.5°	29.2	28.1	27.0	26.4	25.7	25.0	24.2	23.4	22.5	21.6	20.6
-85°	19.7	19.1	18.5	18.2	17.9	17.4	17.0	16.7	16.3	15.9	15.5
-87.5°	14.7	14.7	14.6	14.0	13.4	12.7	12.1	12.0	11.9	11.8	11.6
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.6	8.6	8.6	8.6	8.1	7.5	7.0	6.4	6.4	6.4	6.4
87.5°	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3	4.3	4.3
85°	2.3	2.4	2.5	2.4	2.8	3.2	3.8	4.3	4.3	4.3	4.3
82.5°	2.7	3.2	3.5	3.7	3.7	3.8	4.0	4.3	4.4	4.3	4.3
80°	3.8	3.9	4.0	4.3	4.3	4.3	4.2	4.3	4.6	4.7	4.6
77.5°	4.8	4.5	4.3	4.3	4.3	4.3	4.3	4.4	4.9	5.1	5.1
75°	5.7	5.0	4.5	4.4	4.4	4.3	4.3	4.5	5.0	5.5	5.6
72.5°	6.1	5.7	5.0	4.6	4.9	4.9	4.6	4.5	5.0	5.5	6.0
70°	9.2	6.9	6.0	5.6	5.5	5.6	5.5	5.2	5.1	5.6	6.1
67.5°	14.1	10.7	8.2	6.6	6.1	6.0	6.3	5.9	5.6	5.7	6.1
65°	25.2	16.8	10.5	8.3	6.9	6.3	6.4	6.5	6.1	5.9	6.2
62.5°	35.9	25.1	17.1	11.1	7.8	6.7	6.4	6.7	6.5	6.2	6.3
60°	46.9	35.0	24.4	17.1	10.8	6.9	6.6	7.0	6.9	6.4	6.4
57.5°	47.3	43.5	34.3	24.1	16.0	9.4	6.9	7.4	7.3	6.8	6.4
55°	45.1	42.9	41.1	32.8	22.0	13.8	8.6	7.8	7.9	7.4	6.5
52.5°	40.0	42.2	42.6	39.0	29.6	18.7	12.6	8.4	8.5	8.0	7.1
50°	34.7	40.4	43.6	41.9	36.1	25.8	16.3	11.3	9.1	8.6	7.7
47.5°	32.6	39.2	43.8	44.8	39.9	32.6	21.9	14.2	9.8	9.3	8.3
45°	33.0	38.4	44.2	46.4	44.4	37.4	27.9	16.8	12.1	10.0	8.9
42.5°	35.6	40.3	44.2	49.0	47.3	41.4	33.7	21.7	14.2	10.6	9.5
40°	48.2	45.0	46.0	51.3	50.7	45.2	37.5	26.8	16.0	11.6	10.0
37.5°	65.3	57.3	52.0	58.6	56.0	49.1	40.8	31.6	18.4	13.0	10.6
35°	111.4	76.7	76.3	76.6	66.6	53.8	43.9	35.5	22.8	14.3	11.1
32.5°	170.0	132.3	128.9	107.3	81.2	59.1	47.8	39.0	27.2	15.5	11.6
30°	283.2	254.5	201.5	146.9	103.9	72.9	53.5	42.6	31.5	16.6	12.2
27.5°	469.1	405.1	300.0	213.8	142.1	90.7	61.3	46.3	35.8	18.5	13.1
25°	661.3	579.8	446.1	299.8	186.3	126.7	70.3	50.3	39.3	21.9	13.9
22.5°	847.5	761.4	611.2	397.4	250.9	172.9	89.8	57.3	42.4	25.2	14.6
20°	1028.8	947.3	780.1	486.4	326.7	229.5	123.6	64.9	45.4	28.3	15.2
17.5°	1229.0	1090.4	875.0	590.7	402.0	286.5	162.6	72.8	48.4	31.2	15.7
15°	1474.9	1175.1	966.4	683.4	469.0	343.5	205.4	81.0	51.2	33.9	16.4
12.5°	1695.0	1253.4	1056.5	764.7	528.4	399.7	250.7	89.1	54.0	37.1	17.3
10°	1901.8	1325.4	1143.5	834.9	580.7	454.6	297.0	98.3	58.4	40.6	18.2
7.5°	2090.5	1391.3	1225.3	894.2	623.6	492.4	325.7	109.5	63.0	43.8	19.1
5°	2244.6	1443.6	1282.3	934.6	644.7	510.7	346.5	120.4	67.3	46.8	20.0
2.5°	2317.0	1479.5	1317.4	964.9	662.6	524.9	361.8	130.5	71.4	49.4	20.8
0°	2354.7	1510.4	1340.6	986.1	676.8	535.0	371.7	139.6	75.2	51.6	21.5
-2.5°	2360.2	1517.2	1346.5	1007.7	699.4	549.7	384.8	164.5	94.5	63.4	28.2
-5°	2330.6	1518.1	1342.2	1019.8	717.4	560.3	393.6	187.7	113.0	74.6	34.7
-7.5°	2229.4	1495.2	1319.2	1020.9	730.3	566.7	398.7	209.1	130.4	84.8	40.7
-10°	2086.8	1455.1	1274.8	1003.5	742.5	575.9	402.9	228.4	146.2	93.8	46.1
-12.5°	1912.3	1410.0	1229.3	982.6	751.6	588.3	416.5	247.8	160.4	101.5	50.8
-15°	1707.3	1360.1	1185.1	959.7	756.9	598.4	425.9	265.0	173.3	108.3	54.6
-17.5°	1481.9	1305.8	1144.9	936.5	758.9	606.5	431.5	278.1	184.0	114.3	58.2
-20°	1431.8	1273.5	1109.5	914.5	757.6	613.0	433.1	286.9	192.5	118.3	61.2



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1412.7	1258.9	1086.6	904.5	755.6	618.4	431.0	290.8	198.4	120.2	62.9
-25°	1392.9	1241.4	1060.8	890.4	755.3	611.0	429.7	289.6	201.8	119.8	63.2
-27.5°	1369.5	1216.7	1028.5	868.0	740.0	599.6	427.0	292.4	202.0	117.1	62.0
-30°	1343.2	1175.0	995.9	840.0	719.2	569.1	417.4	291.9	198.3	114.4	59.2
-32.5°	1305.7	1126.7	955.3	812.8	684.8	535.7	395.9	287.7	191.4	111.1	57.2
-35°	1242.1	1071.1	906.3	778.9	644.7	504.2	373.0	279.7	181.2	105.4	54.7
-37.5°	1171.6	1007.9	863.1	736.7	602.9	469.7	355.3	261.9	167.5	97.3	50.9
-40°	1097.3	946.3	815.5	689.3	561.1	432.3	334.0	239.7	154.8	87.0	45.8
-42.5°	1018.9	888.5	763.0	640.6	517.1	404.4	308.6	214.3	138.5	78.1	39.4
-45°	949.6	825.7	706.1	587.8	472.1	372.5	276.6	186.7	119.5	69.2	34.3
-47.5°	875.3	759.5	644.1	530.6	431.7	335.5	241.0	162.5	98.4	58.6	32.0
-50°	799.4	687.7	577.0	476.8	385.4	291.5	203.9	135.6	83.7	45.9	29.3
-52.5°	718.9	609.9	511.7	421.6	331.1	243.3	170.1	107.2	67.8	39.1	26.1
-55°	628.1	534.3	446.8	358.0	271.6	198.8	133.3	87.4	50.6	34.7	22.9
-57.5°	542.0	458.6	371.5	287.4	215.3	152.7	103.5	66.2	42.4	30.1	21.7
-60°	452.3	369.2	288.9	221.2	160.2	112.8	77.7	48.9	36.6	25.9	20.4
-62.5°	349.8	277.0	214.2	156.2	114.1	81.2	54.0	41.9	30.6	24.2	19.0
-65°	251.9	193.6	140.5	107.9	77.1	54.4	45.3	34.5	27.5	22.3	17.7
-67.5°	156.8	123.8	93.2	65.1	52.8	44.6	36.2	30.3	25.1	20.3	16.6
-70°	95.7	68.9	56.4	49.3	42.0	35.3	31.6	27.3	22.7	18.9	15.5
-72.5°	55.7	49.7	43.7	37.9	34.3	30.9	27.8	24.4	20.8	17.4	14.4
-75°	40.7	37.7	35.0	32.1	29.2	26.5	24.4	22.1	18.8	15.9	13.1
-77.5°	33.3	31.0	28.6	26.5	24.6	22.9	21.3	19.6	16.8	14.2	11.8
-80°	26.4	24.7	23.2	21.7	20.4	19.3	18.3	17.1	14.7	12.5	10.5
-82.5°	19.5	18.8	18.2	17.5	16.8	16.1	15.3	14.5	12.6	10.8	9.3
-85°	15.1	14.7	14.3	13.8	13.4	12.9	12.4	11.9	10.5	9.4	8.4
-87.5°	11.5	11.4	11.2	11.1	10.7	10.2	9.7	9.1	8.5	7.9	7.4
-90°	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3	4.3	4.3



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.4	6.4	6.4	6.4	6.4	5.3	4.3
87.5°	4.3	4.4	4.5	4.5	4.5	4.4	4.3
85°	4.3	4.5	4.7	4.7	4.7	4.5	4.3
82.5°	4.3	4.7	4.9	4.9	4.8	4.6	4.3
80°	4.4	4.8	5.0	5.1	5.0	4.7	4.3
77.5°	4.9	5.0	5.2	5.3	5.2	4.8	4.3
75°	5.5	5.3	5.4	5.6	5.4	4.8	4.3
72.5°	6.0	5.7	5.6	5.8	5.6	4.9	4.3
70°	6.4	6.0	5.8	6.0	5.7	5.0	4.3
67.5°	6.4	6.3	6.0	6.1	5.9	5.1	4.3
65°	6.4	6.4	6.1	6.1	6.1	5.2	4.3
62.5°	6.4	6.4	6.3	6.2	6.2	5.3	4.3
60°	6.4	6.4	6.4	6.2	6.4	5.3	4.3
57.5°	6.5	6.4	6.4	6.3	6.4	5.4	4.3
55°	6.6	6.4	6.4	6.3	6.4	5.5	4.3
52.5°	6.8	6.4	6.4	6.4	6.4	5.6	4.3
50°	7.0	6.6	6.4	6.4	6.4	5.6	4.3
47.5°	7.3	6.9	6.4	6.4	6.4	5.7	4.3
45°	7.8	7.1	6.4	6.4	6.4	5.8	4.3
42.5°	8.3	7.4	6.4	6.4	6.4	5.8	4.3
40°	8.8	7.6	6.5	6.4	6.4	5.9	4.3
37.5°	9.2	7.9	6.7	6.4	6.4	6.0	4.3
35°	9.7	8.3	7.0	6.4	6.4	6.0	4.3
32.5°	10.1	8.6	7.2	6.4	6.4	6.1	4.3
30°	10.5	9.0	7.4	6.4	6.4	6.1	4.3
27.5°	10.9	9.3	7.6	6.4	6.4	6.2	4.3
25°	11.3	9.6	7.8	6.4	6.4	6.2	4.3
22.5°	11.7	9.9	7.9	6.4	6.4	6.2	4.3
20°	12.0	10.1	8.1	6.4	6.4	6.3	4.3
17.5°	12.4	10.2	8.2	6.4	6.4	6.3	4.3
15°	12.8	10.3	8.3	6.4	6.4	6.3	4.3
12.5°	13.2	10.4	8.4	6.4	6.4	6.4	4.3
10°	13.6	10.5	8.5	6.4	6.4	6.4	4.3
7.5°	14.0	10.6	8.5	6.4	6.4	6.4	4.3
5°	14.4	10.7	8.6	6.4	6.4	6.4	4.3
2.5°	14.7	10.7	8.6	6.4	6.4	6.4	4.3
0°	15.0	10.7	8.6	6.4	6.4	6.4	4.3
-2.5°	17.6	11.6	9.0	6.7	6.5	6.4	4.3
-5°	20.0	12.5	9.3	7.0	6.6	6.4	4.3
-7.5°	22.3	13.4	9.7	7.2	6.7	6.4	4.3
-10°	24.4	14.2	10.0	7.5	6.8	6.4	4.3
-12.5°	26.2	14.9	10.3	7.8	6.9	6.4	4.3
-15°	27.7	15.5	10.5	8.0	6.9	6.3	4.3
-17.5°	28.8	16.0	10.8	8.2	7.0	6.3	4.3
-20°	29.9	16.4	11.0	8.4	7.1	6.3	4.3



REPORT NUMBER: P701707 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	30.9	16.6	11.2	8.6	7.1	6.3	4.3
-25°	31.2	16.8	11.4	8.8	7.2	6.2	4.3
-27.5°	30.7	16.9	11.6	8.9	7.2	6.2	4.3
-30°	29.4	16.8	11.7	9.0	7.2	6.2	4.3
-32.5°	27.3	16.5	11.8	9.1	7.2	6.2	4.3
-35°	26.3	16.1	11.9	9.1	7.2	6.1	4.3
-37.5°	25.6	15.6	11.9	9.1	7.2	6.1	4.3
-40°	24.6	15.6	11.8	9.1	7.2	6.1	4.3
-42.5°	23.4	15.5	11.7	9.1	7.1	6.0	4.3
-45°	21.8	15.2	11.6	9.0	7.0	6.0	4.3
-47.5°	19.9	14.9	11.5	8.9	7.0	6.0	4.3
-50°	19.1	14.5	11.3	8.7	6.9	5.9	4.3
-52.5°	18.5	14.1	11.0	8.6	6.8	5.9	4.3
-55°	17.7	13.7	10.8	8.4	6.7	5.9	4.3
-57.5°	16.8	13.2	10.5	8.2	6.5	5.8	4.3
-60°	15.8	12.8	10.2	8.0	6.4	5.8	4.3
-62.5°	15.1	12.2	9.8	7.7	6.4	5.8	4.3
-65°	14.4	11.7	9.4	7.5	6.4	5.7	4.3
-67.5°	13.5	11.1	9.0	7.2	6.4	5.7	4.3
-70°	12.7	10.4	8.5	6.9	6.4	5.7	4.3
-72.5°	11.7	9.7	8.0	6.8	6.4	5.6	4.3
-75°	10.7	9.0	7.5	6.8	6.4	5.6	4.3
-77.5°	9.7	8.3	7.3	6.7	6.4	5.6	4.3
-80°	8.7	7.8	7.1	6.7	6.4	5.5	4.3
-82.5°	8.1	7.5	7.0	6.6	6.4	5.5	4.3
-85°	7.5	7.1	6.8	6.5	6.4	5.4	4.3
-87.5°	7.0	6.8	6.6	6.5	6.4	5.4	4.3
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

