

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: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-1S-CV1**

Issue Date: 10/17/2021

Test Information

Test Method: LM-79-08
Report Number: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/17/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-1S-CV1
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

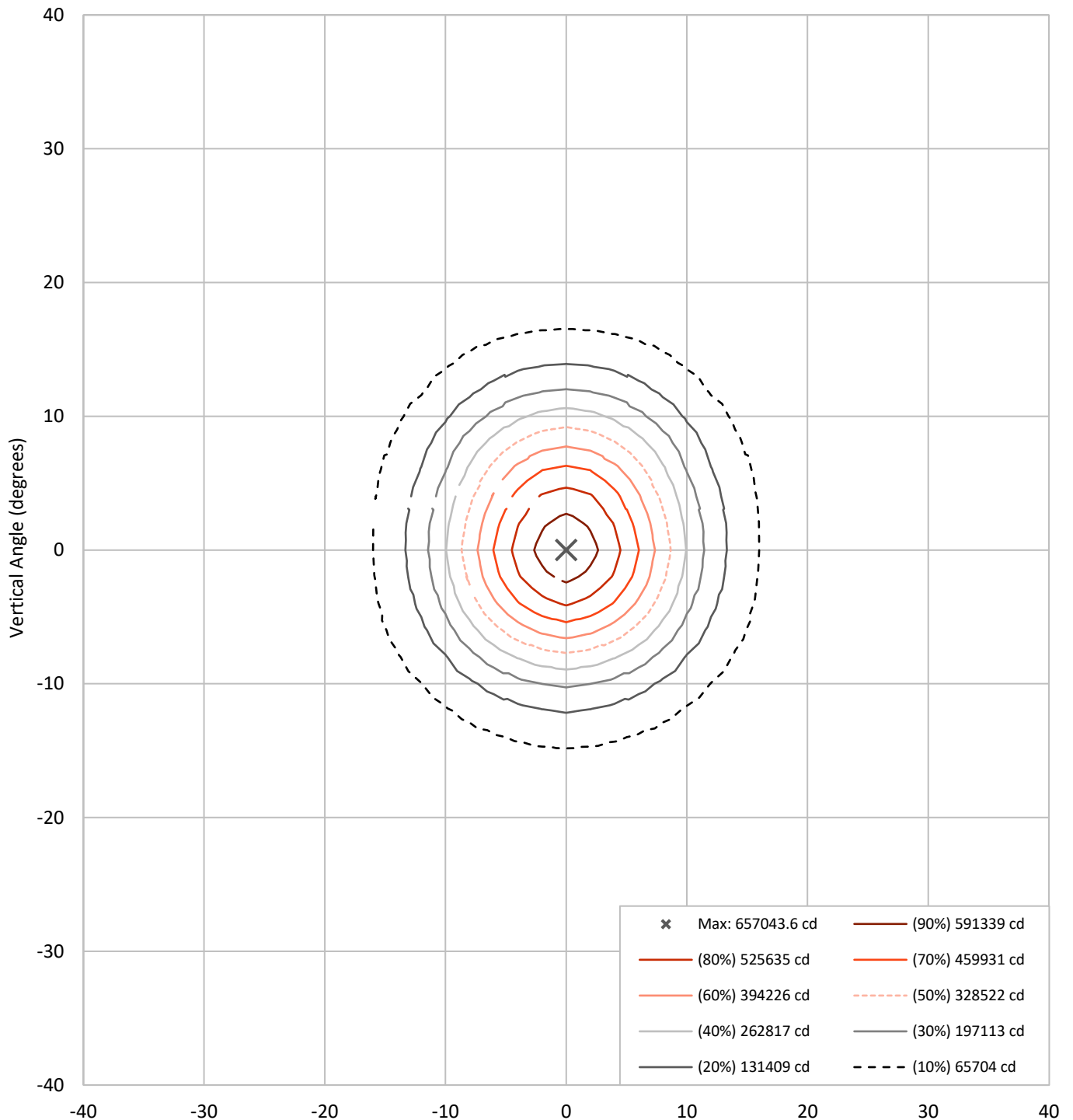
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	72001.8 lumens	Max Intensity:	657043.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	100.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	17.3°H x 16.9°V	Field Angle (10%):	32°H x 31°V
Beam Lumens:	31408.9 lumens	Field Lumens:	59256.6 lumens
Beam Efficiency:	43.6%	Field Efficiency:	82.3%

Input Watts (W): 720
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-40-70-1S-CV1

Iso-Candela Plot





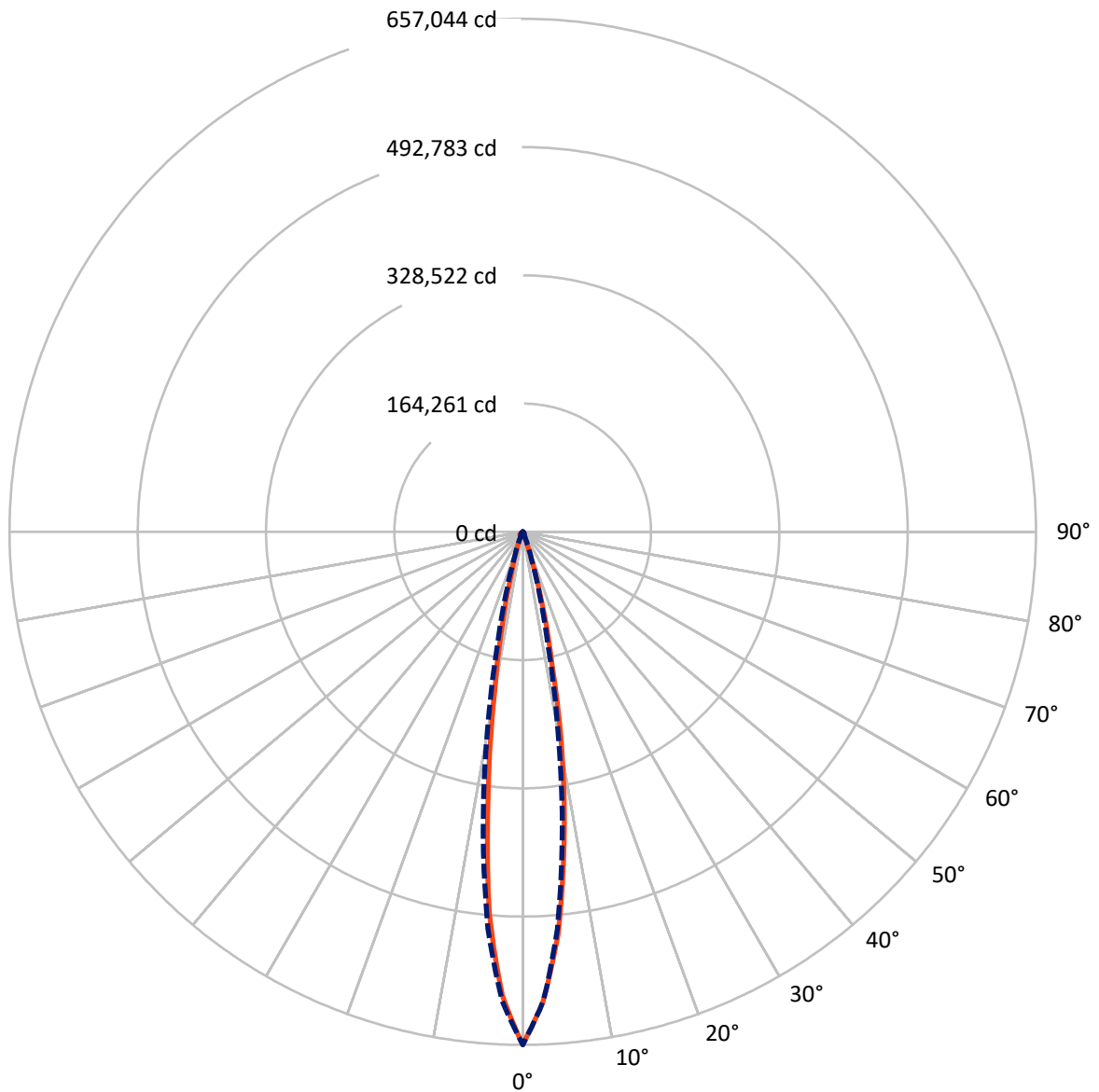
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Lumen Table

90	0.1	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.1									
80	0.1	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.1									
70	0.2	0.1	0.2	0.5	0.6	0.4	0.2	0.2	0.2	0.2	0.4	0.6	0.5	0.2	0.1	0.2				
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1					
50	0.2	0.2	0.4	0.4	0.5	0.8	1.4	0.9	0.9	1.4	0.8	0.5	0.4	0.4	0.2	0.2				
40		0.3	0.9	2.2	4.1	5.8	8.1	9.4	9.4	8.1	5.8	4.1	2.2	0.9	0.3					
30	0.3	0.5	3.9	12.8	30.2	41.2	66.1	112.4	112.4	66.1	41.2	30.2	12.8	3.9	0.5	0.3				
20		1.3	8.4	36.8	74.1	108.6	686.2	2799.6	2799.6	686.2	108.6	74.1	36.8	8.4	1.3					
10	0.4	2.0	11.0	50.5	85.0	186.0	2505.5	11616.6	11616.6	2505.5	186.0	85.0	50.5	11.0	2.0	0.4				
0		2.5	11.6	50.8	85.5	178.3	2290.7	10678.4	10678.4	2290.7	178.3	85.5	50.8	11.6	2.5					
-10	0.6	2.9	11.1	40.5	77.9	105.4	513.1	1886.0	1886.0	513.1	105.4	77.9	40.5	11.1	2.9	0.6				
-20		3.0	10.8	27.7	77.4	98.5	120.6	187.1	187.1	120.6	98.5	77.4	27.7	10.8	3.0					
-30	0.5	2.7	9.8	19.0	53.9	112.4	136.4	142.7	142.7	136.4	112.4	53.9	19.0	9.8	2.7	0.5				
-40		1.9	7.5	16.7	27.7	51.2	95.0	127.5	127.5	95.0	51.2	27.7	16.7	7.5	1.9					
-50	0.4	1.0	4.4	11.5	21.7	31.3	39.4	44.1	44.1	39.4	31.3	21.7	11.5	4.4	1.0	0.4				
-60		0.5	1.6	4.7	9.7	15.7	21.8	25.2	25.2	21.8	15.7	9.7	4.7	1.6	0.5					
-70	0.3	1.0	4.4	11.5	21.7	31.3	39.4	44.1	44.1	39.4	31.3	21.7	11.5	4.4	1.0	0.3				
-80		0.5	1.6	4.7	9.7	15.7	21.8	25.2	25.2	21.8	15.7	9.7	4.7	1.6	0.5					
-90	0.3	1.6	4.3	9.2	12.0	9.2	4.3	1.6	0.3											

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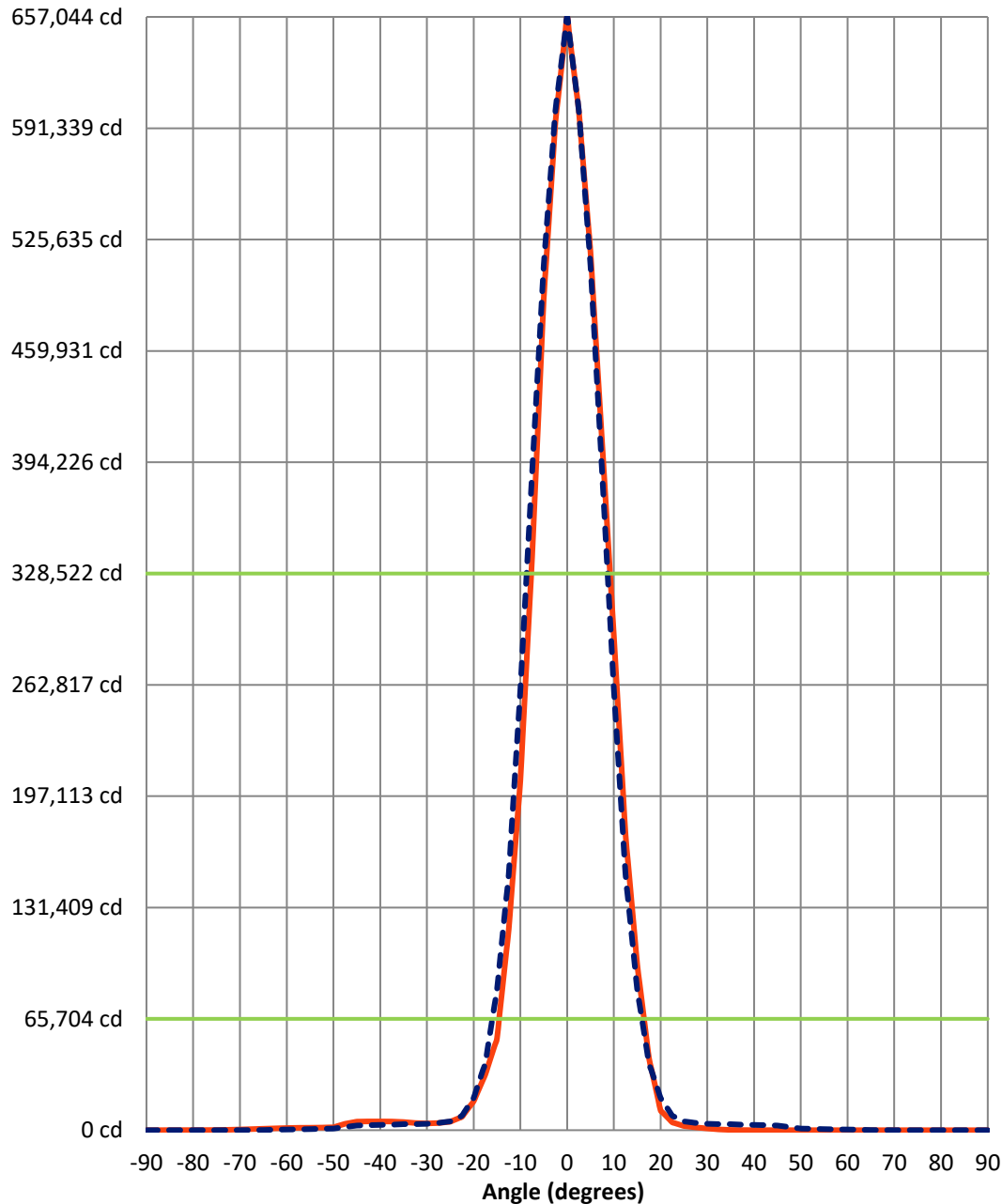
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 17.3°
 V Angle: 16.9°
 Lumens: 31408.9
 Efficiency: 43.6%

Field:
 H Angle: 32°
 V Angle: 31°
 Lumens: 59256.6
 Efficiency: 82.3%

Spill:
 Lumens: 12745.2
 Efficiency: 17.7%

— 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°	7.0	7.0	7.0	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.6
87.5°	7.0	7.0	7.0	6.6	6.3	5.9	5.7	5.3	5.0	4.6	4.3
85°	7.0	7.1	7.0	6.7	6.4	6.2	6.1	5.9	5.6	5.3	5.0
82.5°	7.0	7.1	7.0	6.7	6.6	6.5	6.6	6.4	6.1	5.7	5.2
80°	7.0	7.2	7.0	6.8	6.7	6.8	7.0	6.6	6.2	5.7	5.3
77.5°	7.0	7.2	7.0	6.9	6.9	7.0	7.0	6.6	6.2	5.7	5.5
75°	7.0	7.2	7.0	6.9	7.0	7.1	7.0	6.7	6.2	6.1	6.2
72.5°	7.0	7.3	7.0	7.0	7.2	7.3	7.1	6.7	6.5	6.6	6.9
70°	7.0	7.3	7.1	7.0	7.4	7.4	7.2	6.8	6.8	7.0	7.1
67.5°	7.0	7.4	7.1	7.2	7.5	7.6	7.2	6.9	7.0	7.3	7.2
65°	7.0	7.4	7.1	7.4	7.7	7.7	7.2	7.0	7.4	7.6	7.4
62.5°	7.0	7.5	7.2	7.6	7.9	7.7	7.3	7.3	7.8	7.9	7.5
60°	7.0	7.5	7.2	7.8	8.1	7.7	7.3	7.8	8.3	7.9	7.5
57.5°	7.0	7.6	7.4	7.9	8.2	7.8	7.8	8.3	8.4	8.0	8.1
55°	7.0	7.6	7.5	8.1	8.2	7.8	8.2	8.8	8.5	8.3	8.8
52.5°	7.0	7.7	7.7	8.3	8.3	8.0	8.7	9.0	8.6	8.9	9.6
50°	7.0	7.7	7.8	8.5	8.3	8.3	9.1	9.1	8.8	9.6	11.1
47.5°	7.0	7.8	7.9	8.7	8.4	8.7	9.5	9.1	9.4	10.2	12.6
45°	7.0	7.8	8.1	8.7	8.4	9.0	9.6	9.2	10.0	11.4	13.9
42.5°	7.0	7.9	8.2	8.8	8.5	9.4	9.7	9.6	10.5	12.5	15.6
40°	7.0	7.9	8.3	8.8	8.6	9.7	9.7	10.0	11.2	13.5	17.2
37.5°	7.0	8.0	8.3	8.9	8.9	10.0	9.8	10.5	12.1	14.6	18.7
35°	7.0	8.1	8.4	8.9	9.1	10.2	9.9	10.9	13.0	16.1	19.8
32.5°	7.0	8.1	8.5	9.0	9.4	10.3	10.1	11.3	13.8	17.6	21.3
30°	7.0	8.2	8.6	9.1	9.6	10.4	10.5	11.8	14.6	19.0	23.1
27.5°	7.0	8.2	8.6	9.2	9.8	10.4	10.8	12.5	15.5	20.5	25.3
25°	7.0	8.3	8.7	9.3	10.0	10.5	11.1	13.1	16.6	22.1	27.8
22.5°	7.0	8.3	8.7	9.4	10.2	10.6	11.4	13.6	17.8	24.0	33.0
20°	7.0	8.4	8.7	9.5	10.3	10.8	11.7	14.2	18.8	26.0	38.7
17.5°	7.0	8.5	8.7	9.6	10.4	10.9	12.0	14.7	19.9	28.1	44.9
15°	7.0	8.5	8.8	9.8	10.5	11.1	12.4	15.2	20.8	30.2	51.4
12.5°	7.0	8.6	8.8	9.9	10.5	11.3	12.7	16.0	22.0	32.4	58.0
10°	7.0	8.6	8.8	10.1	10.6	11.5	13.0	16.7	23.4	35.3	64.6
7.5°	7.0	8.7	8.8	10.2	10.6	11.8	13.3	17.5	24.8	38.2	70.9
5°	7.0	8.7	8.8	10.3	10.6	12.0	13.6	18.2	26.0	41.0	76.7
2.5°	7.0	8.8	8.8	10.5	10.6	12.2	13.9	18.8	27.2	43.6	81.9
0°	7.0	8.8	8.8	10.6	10.6	12.4	14.1	19.4	28.2	45.9	86.4
-2.5°	7.0	8.8	8.9	10.7	10.9	13.0	15.7	23.5	36.5	59.6	105.3
-5°	7.0	8.9	9.0	10.8	11.2	13.5	17.3	27.5	44.4	72.7	123.1
-7.5°	7.0	8.9	9.0	10.9	11.5	14.0	18.8	31.2	51.8	84.9	139.5
-10°	7.0	8.9	9.1	11.0	11.8	14.5	20.2	34.5	58.5	96.0	154.3
-12.5°	7.0	8.9	9.2	11.1	12.1	14.9	21.4	37.3	64.4	106.0	168.5
-15°	7.0	9.0	9.3	11.1	12.3	15.3	22.4	39.6	70.0	115.6	181.1
-17.5°	7.0	9.0	9.3	11.2	12.5	15.6	23.2	42.0	75.5	123.6	191.2
-20°	7.0	9.0	9.4	11.2	12.7	15.9	23.9	44.3	79.7	129.8	198.4



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.0	9.0	9.5	11.2	12.9	16.1	24.7	45.5	82.5	134.1	202.6
-25°	7.0	9.0	9.6	11.2	13.0	16.4	25.0	45.7	83.7	136.3	203.7
-27.5°	7.0	9.0	9.6	11.2	13.1	16.7	25.0	44.7	83.2	136.8	205.5
-30°	7.0	8.9	9.7	11.2	13.2	16.9	24.4	42.5	81.9	136.1	204.7
-32.5°	7.0	8.9	9.8	11.2	13.4	16.9	23.4	41.3	79.3	133.0	200.9
-35°	7.0	8.9	9.8	11.2	13.6	16.9	23.0	40.0	74.9	127.6	194.1
-37.5°	7.0	8.9	9.9	11.1	13.7	16.8	22.9	38.0	68.7	119.7	181.6
-40°	7.0	8.8	10.0	11.1	13.8	17.0	22.6	35.2	60.6	110.6	167.4
-42.5°	7.0	8.8	10.0	11.0	13.9	17.1	22.2	31.7	54.8	97.9	150.7
-45°	7.0	8.7	10.1	11.0	13.9	17.1	21.6	29.0	49.8	83.5	132.1
-47.5°	7.0	8.7	10.1	11.0	13.8	17.1	20.8	28.0	43.9	67.8	114.1
-50°	7.0	8.6	10.2	11.1	13.8	17.0	20.6	26.9	36.9	59.8	94.5
-52.5°	7.0	8.5	10.2	11.2	13.7	16.9	20.4	25.5	33.5	51.1	74.4
-55°	7.0	8.5	10.3	11.3	13.5	16.7	20.2	24.1	31.7	41.8	63.8
-57.5°	7.0	8.4	10.3	11.4	13.4	16.4	19.8	23.6	29.8	37.9	52.5
-60°	7.0	8.3	10.4	11.4	13.2	16.1	19.4	23.1	27.9	35.4	43.5
-62.5°	7.0	8.2	10.1	11.4	13.1	15.7	18.9	22.6	27.1	32.7	40.4
-65°	7.0	8.1	9.9	11.4	13.0	15.3	18.4	21.9	26.1	31.0	37.0
-67.5°	7.0	8.0	9.6	11.4	12.9	15.0	17.8	21.1	25.0	29.5	34.6
-70°	7.0	7.9	9.4	11.3	12.7	14.6	17.1	20.3	24.0	27.8	32.4
-72.5°	7.0	7.8	9.1	11.0	12.5	14.2	16.4	19.4	22.8	26.4	30.2
-75°	7.0	7.7	8.8	10.5	12.3	13.8	15.7	18.4	21.6	24.9	28.4
-77.5°	7.0	7.6	8.5	10.0	11.7	13.3	14.9	17.3	20.1	23.2	26.5
-80°	7.0	7.5	8.2	9.5	10.9	12.5	14.1	16.1	18.5	21.1	24.0
-82.5°	7.0	7.4	7.9	9.0	10.2	11.5	12.9	14.7	16.8	18.9	21.2
-85°	7.0	7.2	7.6	8.5	9.4	10.4	11.5	12.9	14.5	16.2	18.0
-87.5°	7.0	7.1	7.3	8.0	8.7	9.4	10.2	11.1	12.1	13.2	14.3
-90°	7.0	7.0	7.0	6.6	6.1	5.7	5.2	4.8	4.4	4.0	3.6



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.1	11.5	12.0	12.4	12.8	13.3	13.7	14.1	14.1	14.1	14.1
87.5°	4.2	4.0	3.8	3.6	3.2	2.7	2.3	1.8	1.8	1.8	1.8
85°	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.7	2.8	2.9
82.5°	5.0	4.8	4.7	4.8	4.5	4.3	4.1	3.8	3.9	4.1	4.2
80°	5.1	5.2	5.3	5.2	5.0	4.9	4.9	4.9	5.1	5.3	5.3
77.5°	5.6	5.7	5.6	5.3	5.3	5.6	5.9	6.1	6.2	6.0	5.7
75°	6.3	6.2	6.0	6.0	6.3	6.7	7.0	7.0	6.7	6.3	5.8
72.5°	6.8	6.6	6.7	7.0	7.0	7.0	7.0	7.0	7.4	7.9	8.1
70°	6.9	7.0	7.0	7.0	7.0	7.3	8.6	10.0	11.3	12.4	14.4
67.5°	7.0	7.0	7.0	7.2	8.4	9.9	11.5	16.4	22.0	24.2	25.1
65°	7.0	7.0	7.7	8.9	10.4	14.3	19.7	26.3	33.3	34.4	33.3
62.5°	7.0	7.7	8.9	11.1	15.0	20.2	26.5	33.7	41.9	41.2	35.4
60°	7.7	8.6	11.1	14.9	19.3	24.4	31.6	36.8	41.9	43.4	33.3
57.5°	8.6	10.3	14.0	18.3	22.8	26.7	30.1	34.8	36.7	36.6	27.2
55°	9.9	12.5	16.7	21.5	24.9	24.2	26.3	27.5	27.8	26.6	19.6
52.5°	11.8	14.7	19.6	23.8	24.8	22.2	19.8	20.7	20.2	18.0	15.7
50°	13.7	17.5	22.2	25.3	24.0	19.1	15.5	16.3	15.9	14.9	13.7
47.5°	15.8	20.2	24.8	26.3	21.5	18.2	15.5	14.5	14.2	14.5	13.2
45°	18.0	22.4	27.3	24.3	20.8	19.4	17.3	14.1	16.1	16.8	17.3
42.5°	20.0	24.3	26.3	22.7	22.8	22.1	20.3	19.9	20.8	24.6	26.0
40°	21.4	25.8	25.7	26.2	25.7	26.1	29.0	31.1	31.3	36.0	38.5
37.5°	22.5	26.1	27.8	32.9	30.3	34.6	40.5	55.9	57.6	49.7	64.7
35°	23.3	27.4	36.2	46.1	47.6	47.6	70.3	92.1	100.4	93.0	108.4
32.5°	24.6	29.6	47.0	68.1	85.0	85.4	107.8	147.3	170.6	180.0	186.2
30°	27.6	39.5	63.3	96.6	137.2	165.2	175.6	219.3	261.0	341.9	402.7
27.5°	33.1	52.3	90.8	145.0	206.2	260.3	286.0	318.2	425.2	570.4	722.7
25°	39.7	81.8	122.6	207.5	298.0	364.5	401.0	448.7	648.1	928.7	1118.7
22.5°	55.5	120.4	173.3	278.8	400.0	469.3	522.1	689.8	1010.9	1368.3	1582.5
20°	83.5	165.5	231.9	343.1	503.0	574.8	641.8	991.5	1489.4	1848.8	2088.2
17.5°	116.3	210.7	289.4	407.5	556.1	661.3	785.8	1331.8	2017.2	2297.5	2527.4
15°	152.5	255.5	340.3	464.5	605.8	721.7	1018.0	1746.6	2488.1	2708.2	2907.0
12.5°	191.1	299.6	385.2	514.4	654.8	778.6	1234.8	2053.4	2707.3	3012.5	3241.2
10°	230.8	342.7	424.6	557.5	702.0	831.6	1441.1	2311.4	2815.3	3071.2	3332.5
7.5°	256.6	370.2	455.9	594.2	746.7	880.5	1631.1	2521.8	2892.2	3102.4	3305.1
5°	276.6	379.9	465.6	610.6	776.3	917.3	1784.1	2686.0	2943.6	3111.1	3238.9
2.5°	292.3	386.3	473.1	619.9	794.0	937.6	1842.5	2729.8	2951.6	3115.1	3212.1
0°	303.4	390.0	478.2	624.6	806.4	952.9	1863.3	2733.3	2944.9	3116.2	3234.3
-2.5°	308.9	399.0	491.5	638.4	812.3	951.8	1843.6	2727.2	2982.5	3191.8	3341.8
-5°	310.4	405.8	502.1	647.7	812.9	946.2	1788.0	2681.3	2986.1	3199.1	3358.8
-7.5°	308.9	410.1	509.6	651.1	802.6	926.9	1665.9	2522.3	2875.3	3078.1	3265.4
-10°	306.5	417.2	517.3	642.6	778.9	897.8	1509.1	2330.7	2757.5	2948.9	3147.9
-12.5°	311.0	427.4	523.8	633.8	754.0	866.1	1329.4	2110.2	2634.7	2812.9	3034.1
-15°	312.4	435.9	529.1	626.1	729.1	832.4	1130.7	1864.0	2557.7	2820.6	3026.1
-17.5°	311.0	442.8	533.2	620.7	705.3	797.2	923.2	1651.2	2488.1	2851.5	3053.7
-20°	306.9	448.2	536.7	618.4	685.2	776.9	880.0	1434.7	2243.9	2853.7	3103.1



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	300.4	452.3	539.5	618.3	688.0	769.7	864.5	1185.5	1925.3	2831.4	3106.8
-25°	297.8	440.6	540.5	618.5	693.3	762.8	845.7	945.2	1589.5	2434.7	3021.8
-27.5°	297.8	426.5	532.7	613.4	698.1	759.0	833.1	921.2	1262.0	1971.0	2840.1
-30°	293.5	401.9	520.8	602.9	691.4	762.6	825.0	894.7	991.5	1554.7	2301.6
-32.5°	281.3	376.0	495.0	586.8	675.8	766.2	816.3	877.8	958.3	1128.8	1767.1
-35°	265.9	357.0	463.6	565.9	654.0	748.3	812.0	861.7	925.7	1013.4	1298.2
-37.5°	251.3	334.8	431.5	536.4	626.6	717.4	804.3	851.4	904.9	976.6	1085.3
-40°	233.7	309.4	402.3	500.6	595.7	684.5	770.1	843.8	888.2	964.4	1046.3
-42.5°	213.4	286.7	371.2	463.9	557.0	647.8	734.6	813.0	893.7	958.7	1030.7
-45°	192.1	260.8	337.7	423.8	513.0	604.8	691.5	777.7	873.6	967.0	1027.9
-47.5°	168.1	232.1	304.9	379.8	464.8	552.9	642.6	733.6	835.6	934.0	1036.7
-50°	142.5	202.0	267.5	337.1	412.4	496.4	582.5	678.1	775.5	878.8	981.4
-52.5°	118.4	168.7	228.9	293.4	361.1	434.7	518.5	608.7	702.8	800.9	897.9
-55°	92.4	137.7	187.6	247.1	310.4	375.5	447.2	530.9	619.4	710.0	799.1
-57.5°	74.3	105.9	148.7	197.8	256.1	317.4	380.2	447.8	526.4	609.6	687.1
-60°	60.7	80.6	111.1	152.4	198.0	252.9	310.6	370.9	434.8	498.6	565.8
-62.5°	48.3	63.5	82.1	108.5	147.6	186.9	234.5	288.1	344.8	398.5	449.9
-65°	44.3	49.1	61.8	79.5	98.6	131.3	166.3	201.9	248.4	294.3	340.0
-67.5°	39.8	44.3	48.7	55.4	71.7	88.3	104.9	135.4	166.4	194.6	225.1
-70°	36.6	39.6	43.4	47.3	51.3	58.6	73.1	87.5	101.6	118.3	142.2
-72.5°	33.6	36.3	39.0	41.7	45.3	49.1	52.9	56.6	65.2	76.7	87.6
-75°	30.9	33.0	35.5	37.9	40.3	43.0	46.1	49.5	52.4	55.3	58.4
-77.5°	28.5	30.2	32.0	34.0	35.8	37.8	40.0	42.4	44.6	46.5	48.4
-80°	25.7	27.2	28.6	30.1	31.6	33.0	34.4	35.8	37.0	38.5	40.1
-82.5°	22.5	23.8	25.0	26.2	27.4	28.5	29.7	30.8	31.6	32.3	33.1
-85°	19.2	20.3	21.2	22.2	23.1	24.0	24.9	25.8	26.3	26.7	27.1
-87.5°	15.1	15.9	16.7	17.4	18.2	18.9	19.6	20.3	20.6	20.8	21.1
-90°	3.6	3.6	3.6	3.6	3.2	2.7	2.3	1.8	1.8	1.8	1.8



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14.1	14.6	15.0	15.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.8	1.8
85°	2.9	3.0	3.1	3.2	3.3	3.0	2.6	2.2	1.8	1.8	1.8
82.5°	4.3	4.3	4.1	3.9	3.6	3.2	2.7	2.3	1.8	1.8	1.8
80°	5.2	4.9	4.5	4.1	3.7	3.2	2.8	2.3	1.8	1.8	1.8
77.5°	5.3	4.9	4.5	4.1	3.7	3.5	3.3	3.3	3.3	3.0	2.7
75°	5.4	5.1	5.0	4.8	4.5	4.3	4.2	4.0	3.7	3.5	3.5
72.5°	8.1	7.9	7.7	7.7	7.0	6.4	6.1	5.6	5.0	4.9	5.0
70°	15.4	15.5	14.9	13.3	11.1	9.6	8.9	8.0	6.9	6.9	7.5
67.5°	23.9	21.7	19.8	17.5	14.6	12.4	11.3	10.1	8.8	8.2	8.0
65°	29.6	23.1	19.5	17.0	15.2	13.2	11.4	9.7	8.3	7.4	7.2
62.5°	28.4	20.2	16.3	14.0	12.0	10.4	9.1	7.8	6.6	5.8	6.1
60°	24.4	16.8	12.4	10.6	9.5	8.8	7.7	6.6	5.8	5.2	5.3
57.5°	19.0	12.6	8.8	8.6	8.1	7.4	6.7	6.2	5.7	5.2	5.6
55°	14.0	11.0	8.9	8.3	7.8	7.3	6.8	6.5	6.3	6.3	6.7
52.5°	12.3	10.6	9.2	8.5	8.0	7.5	7.0	7.2	7.3	7.1	7.0
50°	11.8	10.6	9.7	8.7	8.6	8.6	8.6	8.5	8.4	8.2	8.3
47.5°	12.5	11.8	11.9	10.4	10.6	11.1	10.7	10.6	11.8	12.1	12.0
45°	15.6	17.7	17.6	16.1	14.8	19.2	20.1	18.6	27.7	26.5	19.6
42.5°	26.0	27.7	28.1	30.8	35.5	45.5	64.0	82.6	85.7	68.5	31.6
40°	44.3	42.1	47.2	56.9	78.9	100.3	126.2	193.8	186.3	139.4	155.3
37.5°	75.9	74.2	77.1	101.3	107.5	91.9	137.6	130.8	99.5	147.1	155.9
35°	134.8	151.3	125.0	154.2	155.6	141.0	147.6	163.4	138.5	168.2	175.8
32.5°	249.8	278.3	273.3	269.5	289.0	307.5	303.3	349.0	356.7	386.0	420.1
30°	409.7	459.3	496.4	488.8	517.0	566.3	598.0	676.0	751.3	800.3	902.7
27.5°	726.0	714.3	796.2	857.1	840.0	917.2	1065.5	1170.7	1342.0	1452.7	1571.2
25°	1173.5	1155.7	1230.1	1358.2	1390.1	1453.4	1674.6	1857.4	2043.6	2192.7	2322.8
22.5°	1715.7	1774.3	1826.7	1973.5	2005.5	2150.2	2387.1	2628.3	2841.6	3075.9	3625.6
20°	2305.9	2399.1	2436.3	2490.9	2621.2	2850.2	3145.9	3536.2	4099.3	5875.1	7832.4
17.5°	2776.8	2920.3	2903.4	2942.3	3164.9	3536.2	4011.9	5270.2	8184.0	14720.9	21069.9
15°	3143.4	3183.2	3236.6	3370.6	3673.2	4198.0	5130.2	8575.2	18122.4	29433.1	43816.3
12.5°	3395.7	3365.2	3374.2	3619.8	4126.9	4882.5	7647.2	15294.5	29383.5	46252.8	79785.4
10°	3509.4	3483.7	3527.7	3871.4	4506.0	6022.1	10584.6	21737.0	43755.4	78479.4	123478.0
7.5°	3465.5	3469.5	3629.5	4066.5	4832.8	7276.9	14624.4	30777.9	60225.1	104316.7	169714.5
5°	3444.1	3466.0	3692.3	4175.0	5022.0	7992.4	17051.3	36087.3	74124.9	128434.5	211067.1
2.5°	3472.4	3491.8	3738.9	4234.9	5111.4	8243.1	18299.5	38562.1	82417.7	147736.0	246664.4
0°	3553.7	3564.3	3777.8	4300.2	5203.6	8538.5	19040.9	39722.9	83048.9	150779.1	260201.3
-2.5°	3639.0	3586.2	3789.7	4293.8	5163.9	8395.3	18508.1	37987.0	78753.7	140879.8	239568.4
-5°	3587.6	3525.0	3676.0	4110.9	4888.1	7545.8	15822.5	33135.7	67716.0	118252.5	195114.9
-7.5°	3450.9	3430.7	3527.1	3886.0	4550.8	6484.3	12571.2	26546.9	52160.1	86340.5	136774.3
-10°	3322.1	3336.7	3368.9	3652.3	4195.9	5307.6	8355.3	17476.4	34889.3	59037.9	88873.6
-12.5°	3232.8	3247.6	3195.9	3383.6	3822.9	4485.6	6272.0	11949.1	21760.2	35071.8	53877.5
-15°	3185.5	3160.0	3083.0	3222.9	3540.3	4003.3	4746.6	6741.2	12233.7	19841.7	28440.7
-17.5°	3161.8	3134.2	3110.4	3144.5	3295.8	3621.5	4151.0	5050.1	6778.6	10921.4	15401.6
-20°	3198.1	3235.9	3201.9	3194.5	3248.7	3391.8	3731.0	4218.4	4916.2	6396.9	8267.8



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3223.8	3286.3	3313.6	3310.5	3307.1	3353.5	3458.1	3738.8	4127.9	4645.8	5436.1
-25°	3235.5	3322.9	3444.7	3525.7	3497.1	3447.7	3447.8	3459.3	3707.1	3962.4	4310.1
-27.5°	3170.5	3395.8	3668.4	3796.4	3800.9	3750.1	3679.4	3590.4	3681.6	3728.2	3908.6
-30°	3103.2	3510.9	3838.8	4118.1	4134.0	4128.9	4103.5	4057.9	4025.4	4023.8	4014.8
-32.5°	2646.6	3545.7	3941.3	4219.9	4377.2	4419.3	4491.7	4471.7	4500.7	4487.3	4432.4
-35°	2024.2	2970.6	3964.7	4122.3	4305.9	4492.0	4658.6	4719.5	4805.3	4829.9	4848.0
-37.5°	1403.7	2163.2	3004.1	3773.5	4063.8	4312.2	4583.6	4776.7	4926.5	5005.0	5087.0
-40°	1151.5	1366.1	2025.4	2652.7	3314.9	3962.0	4269.8	4604.4	4878.4	5016.2	5146.6
-42.5°	1110.0	1196.9	1285.7	1721.8	2236.8	2812.9	3417.2	3978.0	4489.1	4808.3	5037.4
-45°	1089.0	1148.8	1215.4	1299.7	1385.9	1800.9	2259.7	2739.1	3344.0	3915.2	4392.7
-47.5°	1085.4	1120.0	1172.4	1231.5	1296.0	1376.1	1458.0	1594.9	2013.9	2459.0	2874.2
-50°	1059.7	1122.1	1156.6	1191.3	1240.9	1295.9	1350.7	1416.4	1490.3	1562.0	1613.0
-52.5°	988.0	1061.8	1131.3	1190.2	1223.7	1258.0	1293.3	1344.4	1396.9	1448.2	1477.4
-55°	886.4	969.6	1050.9	1115.3	1174.7	1233.0	1286.4	1322.8	1360.0	1397.7	1412.6
-57.5°	767.7	852.4	933.4	997.6	1064.3	1132.7	1191.4	1242.6	1293.1	1340.4	1365.1
-60°	636.3	709.5	780.7	846.8	910.6	971.6	1032.6	1091.6	1147.0	1194.0	1221.8
-62.5°	501.3	559.0	619.7	678.8	736.5	791.4	847.3	901.7	954.0	996.8	1022.6
-65°	385.4	429.6	471.0	512.5	554.4	602.2	651.0	697.2	740.5	775.2	799.4
-67.5°	263.7	301.7	336.6	368.9	400.6	434.4	470.8	505.2	537.3	562.4	581.5
-70°	165.1	186.8	207.8	231.4	258.2	284.4	311.2	336.8	360.9	377.7	389.2
-72.5°	97.8	106.7	116.4	132.5	147.9	164.2	180.5	195.5	209.1	217.7	223.5
-75°	61.6	65.9	72.9	79.2	84.9	91.6	98.7	105.6	112.2	116.1	118.8
-77.5°	50.6	52.7	54.7	56.7	58.5	61.0	63.7	66.4	69.0	70.6	71.8
-80°	41.6	43.3	44.9	46.4	47.7	49.1	50.4	51.8	53.2	54.1	55.0
-82.5°	34.0	35.3	36.6	37.9	39.2	40.4	41.4	42.3	43.2	44.3	45.4
-85°	27.4	28.1	28.7	29.4	30.0	31.2	32.4	33.6	34.7	35.3	35.9
-87.5°	21.3	21.6	21.8	22.1	22.2	23.2	24.2	25.1	26.1	26.7	27.2
-90°	1.8	1.8	1.8	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.0



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
77.5°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.0	3.3	3.3
75°	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.7	4.0
72.5°	5.1	5.2	5.2	5.2	5.2	5.2	5.1	5.0	4.9	5.0	5.6
70°	8.0	8.6	7.9	7.0	7.9	8.6	8.0	7.5	6.9	6.9	8.0
67.5°	7.6	7.1	7.0	7.0	7.0	7.1	7.6	8.0	8.2	8.8	10.1
65°	7.1	7.0	6.2	5.2	6.2	7.0	7.1	7.2	7.4	8.3	9.7
62.5°	6.4	6.9	6.2	5.2	6.2	6.9	6.4	6.1	5.8	6.6	7.8
60°	5.3	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.8	6.6
57.5°	6.2	6.7	7.0	7.0	7.0	6.7	6.2	5.6	5.2	5.7	6.2
55°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.7	6.3	6.3	6.5
52.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.3	7.2
50°	8.5	8.7	8.8	8.8	8.8	8.7	8.5	8.3	8.2	8.4	8.5
47.5°	11.8	11.0	10.6	10.6	10.6	11.0	11.8	12.0	12.1	11.8	10.6
45°	20.3	20.7	20.5	19.4	20.5	20.7	20.3	19.6	26.5	27.7	18.6
42.5°	32.8	33.1	32.7	31.7	32.7	33.1	32.8	31.6	68.5	85.7	82.6
40°	140.6	92.1	46.0	47.7	46.0	92.1	140.6	155.3	139.4	186.3	193.8
37.5°	118.7	94.4	86.0	74.1	86.0	94.4	118.7	155.9	147.1	99.5	130.8
35°	172.0	171.1	163.0	162.3	163.0	171.1	172.0	175.8	168.2	138.5	163.4
32.5°	427.2	441.1	432.0	446.5	432.0	441.1	427.2	420.1	386.0	356.7	349.0
30°	953.0	1000.5	994.7	1009.3	994.7	1000.5	953.0	902.7	800.3	751.3	676.0
27.5°	1628.4	1674.1	1672.2	1656.9	1672.2	1674.1	1628.4	1571.2	1452.7	1342.0	1170.7
25°	2394.0	2435.8	2453.1	2443.9	2453.1	2435.8	2394.0	2322.8	2192.7	2043.6	1857.4
22.5°	4254.7	4507.5	4738.5	4630.1	4738.5	4507.5	4254.7	3625.6	3075.9	2841.6	2628.3
20°	11711.4	13045.8	12459.9	11698.8	12459.9	13045.8	11711.4	7832.4	5875.1	4099.3	3536.2
17.5°	30921.6	37915.4	42388.1	42782.6	42388.1	37915.4	30921.6	21069.9	14720.9	8184.0	5270.2
15°	64556.6	82612.2	93838.5	97897.3	93838.5	82612.2	64556.6	43816.3	29433.1	18122.4	8575.2
12.5°	112071.2	144768.8	166650.1	174373.4	166650.1	144768.8	112071.2	79785.4	46252.8	29383.5	15294.5
10°	176556.1	234463.7	276408.6	291825.0	276408.6	234463.7	176556.1	123478.0	78479.4	43755.4	21737.0
7.5°	254149.5	330982.5	387131.7	405387.8	387131.7	330982.5	254149.5	169714.5	104316.7	60225.1	30777.9
5°	318057.1	418538.5	500139.6	518317.1	500139.6	418538.5	318057.1	211067.1	128434.5	74124.9	36087.3
2.5°	364243.8	481653.2	568370.8	601800.0	568370.8	481653.2	364243.8	246664.4	147736.0	82417.7	38562.1
0°	387736.4	510332.6	601800.9	657043.6	601800.9	510332.6	387736.4	260201.3	150779.1	83048.9	39722.9
-2.5°	360416.9	481481.9	559296.3	594904.3	559296.3	481481.9	360416.9	239568.4	140879.8	78753.7	37987.0
-5°	291558.5	389992.9	459347.4	490732.3	459347.4	389992.9	291558.5	195114.9	118252.5	67716.0	33135.7
-7.5°	205137.3	270097.4	317858.4	337810.2	317858.4	270097.4	205137.3	136774.3	86340.5	52160.1	26546.9
-10°	128724.5	167711.7	195502.2	206485.9	195502.2	167711.7	128724.5	88873.6	59037.9	34889.3	17476.4
-12.5°	71600.1	93515.8	108912.7	118274.0	108912.7	93515.8	71600.1	53877.5	35071.8	21760.2	11949.1
-15°	39868.7	48771.9	54266.8	54193.6	54266.8	48771.9	39868.7	28440.7	19841.7	12233.7	6741.2
-17.5°	21866.1	26698.1	30541.2	32881.8	30541.2	26698.1	21866.1	15401.6	10921.4	6778.6	5050.1
-20°	11629.2	14235.3	16286.7	17036.5	16286.7	14235.3	11629.2	8267.8	6396.9	4916.2	4218.4



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6379.4	7097.4	7636.1	7876.8	7636.1	7097.4	6379.4	5436.1	4645.8	4127.9	3738.8
-25°	4637.4	4854.6	4956.3	5002.4	4956.3	4854.6	4637.4	4310.1	3962.4	3707.1	3459.3
-27.5°	4049.3	4138.6	4205.8	4231.3	4205.8	4138.6	4049.3	3908.6	3728.2	3681.6	3590.4
-30°	4018.5	3987.9	3982.7	3979.0	3982.7	3987.9	4018.5	4014.8	4023.8	4025.4	4057.9
-32.5°	4384.0	4313.6	4274.8	4243.7	4274.8	4313.6	4384.0	4432.4	4487.3	4500.7	4471.7
-35°	4838.0	4805.3	4794.5	4813.6	4794.5	4805.3	4838.0	4848.0	4829.9	4805.3	4719.5
-37.5°	5104.7	5104.6	5111.0	5113.6	5111.0	5104.6	5104.7	5087.0	5005.0	4926.5	4776.7
-40°	5169.6	5174.6	5174.3	5171.8	5174.3	5174.6	5169.6	5146.6	5016.2	4878.4	4604.4
-42.5°	5098.2	5139.3	5162.1	5170.0	5162.1	5139.3	5098.2	5037.4	4808.3	4489.1	3978.0
-45°	4683.2	4897.0	5020.7	5055.3	5020.7	4897.0	4683.2	4392.7	3915.2	3344.0	2739.1
-47.5°	3218.9	3515.4	3708.3	3777.8	3708.3	3515.4	3218.9	2874.2	2459.0	2013.9	1594.9
-50°	1649.5	1680.9	1702.2	1713.4	1702.2	1680.9	1649.5	1613.0	1562.0	1490.3	1416.4
-52.5°	1499.4	1519.0	1531.7	1538.7	1531.7	1519.0	1499.4	1477.4	1448.2	1396.9	1344.4
-55°	1426.1	1439.3	1446.0	1448.7	1446.0	1439.3	1426.1	1412.6	1397.7	1360.0	1322.8
-57.5°	1386.7	1404.8	1414.7	1418.7	1414.7	1404.8	1386.7	1365.1	1340.4	1293.1	1242.6
-60°	1245.7	1265.2	1276.4	1281.0	1276.4	1265.2	1245.7	1221.8	1194.0	1147.0	1091.6
-62.5°	1043.1	1058.5	1068.3	1072.8	1068.3	1058.5	1043.1	1022.6	996.8	954.0	901.7
-65°	818.9	833.7	844.4	850.5	844.4	833.7	818.9	799.4	775.2	740.5	697.2
-67.5°	597.9	611.2	619.9	624.6	619.9	611.2	597.9	581.5	562.4	537.3	505.2
-70°	397.9	403.9	408.0	409.4	408.0	403.9	397.9	389.2	377.7	360.9	336.8
-72.5°	227.6	230.0	232.1	232.9	232.1	230.0	227.6	223.5	217.7	209.1	195.5
-75°	120.9	122.3	123.2	123.5	123.2	122.3	120.9	118.8	116.1	112.2	105.6
-77.5°	72.9	73.7	74.0	74.1	74.0	73.7	72.9	71.8	70.6	69.0	66.4
-80°	55.7	56.4	56.5	56.5	56.5	56.4	55.7	55.0	54.1	53.2	51.8
-82.5°	46.5	47.6	46.8	45.9	46.8	47.6	46.5	45.4	44.3	43.2	42.3
-85°	36.5	37.0	37.1	37.1	37.1	37.0	36.5	35.9	35.3	34.7	33.6
-87.5°	27.7	28.2	28.2	28.2	28.2	28.2	27.7	27.2	26.7	26.1	25.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.9	15.9	15.9	15.5	15.0	14.6	14.1	14.1	14.1	14.1	14.1
87.5°	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	2.6	3.0	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.6
82.5°	2.7	3.2	3.6	3.9	4.1	4.3	4.3	4.2	4.1	3.9	3.8
80°	2.8	3.2	3.7	4.1	4.5	4.9	5.2	5.3	5.3	5.1	4.9
77.5°	3.3	3.5	3.7	4.1	4.5	4.9	5.3	5.7	6.0	6.2	6.1
75°	4.2	4.3	4.5	4.8	5.0	5.1	5.4	5.8	6.3	6.7	7.0
72.5°	6.1	6.4	7.0	7.7	7.7	7.9	8.1	8.1	7.9	7.4	7.0
70°	8.9	9.6	11.1	13.3	14.9	15.5	15.4	14.4	12.4	11.3	10.0
67.5°	11.3	12.4	14.6	17.5	19.8	21.7	23.9	25.1	24.2	22.0	16.4
65°	11.4	13.2	15.2	17.0	19.5	23.1	29.6	33.3	34.4	33.3	26.3
62.5°	9.1	10.4	12.0	14.0	16.3	20.2	28.4	35.4	41.2	41.9	33.7
60°	7.7	8.8	9.5	10.6	12.4	16.8	24.4	33.3	43.4	41.9	36.8
57.5°	6.7	7.4	8.1	8.6	8.8	12.6	19.0	27.2	36.6	36.7	34.8
55°	6.8	7.3	7.8	8.3	8.9	11.0	14.0	19.6	26.6	27.8	27.5
52.5°	7.0	7.5	8.0	8.5	9.2	10.6	12.3	15.7	18.0	20.2	20.7
50°	8.6	8.6	8.6	8.7	9.7	10.6	11.8	13.7	14.9	15.9	16.3
47.5°	10.7	11.1	10.6	10.4	11.9	11.8	12.5	13.2	14.5	14.2	14.5
45°	20.1	19.2	14.8	16.1	17.6	17.7	15.6	17.3	16.8	16.1	14.1
42.5°	64.0	45.5	35.5	30.8	28.1	27.7	26.0	26.0	24.6	20.8	19.9
40°	126.2	100.3	78.9	56.9	47.2	42.1	44.3	38.5	36.0	31.3	31.1
37.5°	137.6	91.9	107.5	101.3	77.1	74.2	75.9	64.7	49.7	57.6	55.9
35°	147.6	141.0	155.6	154.2	125.0	151.3	134.8	108.4	93.0	100.4	92.1
32.5°	303.3	307.5	289.0	269.5	273.3	278.3	249.8	186.2	180.0	170.6	147.3
30°	598.0	566.3	517.0	488.8	496.4	459.3	409.7	402.7	341.9	261.0	219.3
27.5°	1065.5	917.2	840.0	857.1	796.2	714.3	726.0	722.7	570.4	425.2	318.2
25°	1674.6	1453.4	1390.1	1358.2	1230.1	1155.7	1173.5	1118.7	928.7	648.1	448.7
22.5°	2387.1	2150.2	2005.5	1973.5	1826.7	1774.3	1715.7	1582.5	1368.3	1010.9	689.8
20°	3145.9	2850.2	2621.2	2490.9	2436.3	2399.1	2305.9	2088.2	1848.8	1489.4	991.5
17.5°	4011.9	3536.2	3164.9	2942.3	2903.4	2920.3	2776.8	2527.4	2297.5	2017.2	1331.8
15°	5130.2	4198.0	3673.2	3370.6	3236.6	3183.2	3143.4	2907.0	2708.2	2488.1	1746.6
12.5°	7647.2	4882.5	4126.9	3619.8	3374.2	3365.2	3395.7	3241.2	3012.5	2707.3	2053.4
10°	10584.6	6022.1	4506.0	3871.4	3527.7	3483.7	3509.4	3332.5	3071.2	2815.3	2311.4
7.5°	14624.4	7276.9	4832.8	4066.5	3629.5	3469.5	3465.5	3305.1	3102.4	2892.2	2521.8
5°	17051.3	7992.4	5022.0	4175.0	3692.3	3466.0	3444.1	3238.9	3111.1	2943.6	2686.0
2.5°	18299.5	8243.1	5111.4	4234.9	3738.9	3491.8	3472.4	3212.1	3115.1	2951.6	2729.8
0°	19040.9	8538.5	5203.6	4300.2	3777.8	3564.3	3553.7	3234.3	3116.2	2944.9	2733.3
-2.5°	18508.1	8395.3	5163.9	4293.8	3789.7	3586.2	3639.0	3341.8	3191.8	2982.5	2727.2
-5°	15822.5	7545.8	4888.1	4110.9	3676.0	3525.0	3587.6	3358.8	3199.1	2986.1	2681.3
-7.5°	12571.2	6484.3	4550.8	3886.0	3527.1	3430.7	3450.9	3265.4	3078.1	2875.3	2522.3
-10°	8355.3	5307.6	4195.9	3652.3	3368.9	3336.7	3322.1	3147.9	2948.9	2757.5	2330.7
-12.5°	6272.0	4485.6	3822.9	3383.6	3195.9	3247.6	3232.8	3034.1	2812.9	2634.7	2110.2
-15°	4746.6	4003.3	3540.3	3222.9	3083.0	3160.0	3185.5	3026.1	2820.6	2557.7	1864.0
-17.5°	4151.0	3621.5	3295.8	3144.5	3110.4	3134.2	3161.8	3053.7	2851.5	2488.1	1651.2
-20°	3731.0	3391.8	3248.7	3194.5	3201.9	3235.9	3198.1	3103.1	2853.7	2243.9	1434.7



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3458.1	3353.5	3307.1	3310.5	3313.6	3286.3	3223.8	3106.8	2831.4	1925.3	1185.5
-25°	3447.8	3447.7	3497.1	3525.7	3444.7	3322.9	3235.5	3021.8	2434.7	1589.5	945.2
-27.5°	3679.4	3750.1	3800.9	3796.4	3668.4	3395.8	3170.5	2840.1	1971.0	1262.0	921.2
-30°	4103.5	4128.9	4134.0	4118.1	3838.8	3510.9	3103.2	2301.6	1554.7	991.5	894.7
-32.5°	4491.7	4419.3	4377.2	4219.9	3941.3	3545.7	2646.6	1767.1	1128.8	958.3	877.8
-35°	4658.6	4492.0	4305.9	4122.3	3964.7	2970.6	2024.2	1298.2	1013.4	925.7	861.7
-37.5°	4583.6	4312.2	4063.8	3773.5	3004.1	2163.2	1403.7	1085.3	976.6	904.9	851.4
-40°	4269.8	3962.0	3314.9	2652.7	2025.4	1366.1	1151.5	1046.3	964.4	888.2	843.8
-42.5°	3417.2	2812.9	2236.8	1721.8	1285.7	1196.9	1110.0	1030.7	958.7	893.7	813.0
-45°	2259.7	1800.9	1385.9	1299.7	1215.4	1148.8	1089.0	1027.9	967.0	873.6	777.7
-47.5°	1458.0	1376.1	1296.0	1231.5	1172.4	1120.0	1085.4	1036.7	934.0	835.6	733.6
-50°	1350.7	1295.9	1240.9	1191.3	1156.6	1122.1	1059.7	981.4	878.8	775.5	678.1
-52.5°	1293.3	1258.0	1223.7	1190.2	1131.3	1061.8	988.0	897.9	800.9	702.8	608.7
-55°	1286.4	1233.0	1174.7	1115.3	1050.9	969.6	886.4	799.1	710.0	619.4	530.9
-57.5°	1191.4	1132.7	1064.3	997.6	933.4	852.4	767.7	687.1	609.6	526.4	447.8
-60°	1032.6	971.6	910.6	846.8	780.7	709.5	636.3	565.8	498.6	434.8	370.9
-62.5°	847.3	791.4	736.5	678.8	619.7	559.0	501.3	449.9	398.5	344.8	288.1
-65°	651.0	602.2	554.4	512.5	471.0	429.6	385.4	340.0	294.3	248.4	201.9
-67.5°	470.8	434.4	400.6	368.9	336.6	301.7	263.7	225.1	194.6	166.4	135.4
-70°	311.2	284.4	258.2	231.4	207.8	186.8	165.1	142.2	118.3	101.6	87.5
-72.5°	180.5	164.2	147.9	132.5	116.4	106.7	97.8	87.6	76.7	65.2	56.6
-75°	98.7	91.6	84.9	79.2	72.9	65.9	61.6	58.4	55.3	52.4	49.5
-77.5°	63.7	61.0	58.5	56.7	54.7	52.7	50.6	48.4	46.5	44.6	42.4
-80°	50.4	49.1	47.7	46.4	44.9	43.3	41.6	40.1	38.5	37.0	35.8
-82.5°	41.4	40.4	39.2	37.9	36.6	35.3	34.0	33.1	32.3	31.6	30.8
-85°	32.4	31.2	30.0	29.4	28.7	28.1	27.4	27.1	26.7	26.3	25.8
-87.5°	24.2	23.2	22.2	22.1	21.8	21.6	21.3	21.1	20.8	20.6	20.3
-90°	0.9	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.7	13.3	12.8	12.4	12.0	11.5	11.1	10.6	10.2	9.7	9.3
87.5°	2.3	2.7	3.2	3.6	3.8	4.0	4.2	4.3	4.6	5.0	5.3
85°	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9
82.5°	4.1	4.3	4.5	4.8	4.7	4.8	5.0	5.2	5.7	6.1	6.4
80°	4.9	4.9	5.0	5.2	5.3	5.2	5.1	5.3	5.7	6.2	6.6
77.5°	5.9	5.6	5.3	5.3	5.6	5.7	5.6	5.5	5.7	6.2	6.6
75°	7.0	6.7	6.3	6.0	6.0	6.2	6.3	6.2	6.1	6.2	6.7
72.5°	7.0	7.0	7.0	7.0	6.7	6.6	6.8	6.9	6.6	6.5	6.7
70°	8.6	7.3	7.0	7.0	7.0	7.0	6.9	7.1	7.0	6.8	6.8
67.5°	11.5	9.9	8.4	7.2	7.0	7.0	7.0	7.2	7.3	7.0	6.9
65°	19.7	14.3	10.4	8.9	7.7	7.0	7.0	7.4	7.6	7.4	7.0
62.5°	26.5	20.2	15.0	11.1	8.9	7.7	7.0	7.5	7.9	7.8	7.3
60°	31.6	24.4	19.3	14.9	11.1	8.6	7.7	7.5	7.9	8.3	7.8
57.5°	30.1	26.7	22.8	18.3	14.0	10.3	8.6	8.1	8.0	8.4	8.3
55°	26.3	24.2	24.9	21.5	16.7	12.5	9.9	8.8	8.3	8.5	8.8
52.5°	19.8	22.2	24.8	23.8	19.6	14.7	11.8	9.6	8.9	8.6	9.0
50°	15.5	19.1	24.0	25.3	22.2	17.5	13.7	11.1	9.6	8.8	9.1
47.5°	15.5	18.2	21.5	26.3	24.8	20.2	15.8	12.6	10.2	9.4	9.1
45°	17.3	19.4	20.8	24.3	27.3	22.4	18.0	13.9	11.4	10.0	9.2
42.5°	20.3	22.1	22.8	22.7	26.3	24.3	20.0	15.6	12.5	10.5	9.6
40°	29.0	26.1	25.7	26.2	25.7	25.8	21.4	17.2	13.5	11.2	10.0
37.5°	40.5	34.6	30.3	32.9	27.8	26.1	22.5	18.7	14.6	12.1	10.5
35°	70.3	47.6	47.6	46.1	36.2	27.4	23.3	19.8	16.1	13.0	10.9
32.5°	107.8	85.4	85.0	68.1	47.0	29.6	24.6	21.3	17.6	13.8	11.3
30°	175.6	165.2	137.2	96.6	63.3	39.5	27.6	23.1	19.0	14.6	11.8
27.5°	286.0	260.3	206.2	145.0	90.8	52.3	33.1	25.3	20.5	15.5	12.5
25°	401.0	364.5	298.0	207.5	122.6	81.8	39.7	27.8	22.1	16.6	13.1
22.5°	522.1	469.3	400.0	278.8	173.3	120.4	55.5	33.0	24.0	17.8	13.6
20°	641.8	574.8	503.0	343.1	231.9	165.5	83.5	38.7	26.0	18.8	14.2
17.5°	785.8	661.3	556.1	407.5	289.4	210.7	116.3	44.9	28.1	19.9	14.7
15°	1018.0	721.7	605.8	464.5	340.3	255.5	152.5	51.4	30.2	20.8	15.2
12.5°	1234.8	778.6	654.8	514.4	385.2	299.6	191.1	58.0	32.4	22.0	16.0
10°	1441.1	831.6	702.0	557.5	424.6	342.7	230.8	64.6	35.3	23.4	16.7
7.5°	1631.1	880.5	746.7	594.2	455.9	370.2	256.6	70.9	38.2	24.8	17.5
5°	1784.1	917.3	776.3	610.6	465.6	379.9	276.6	76.7	41.0	26.0	18.2
2.5°	1842.5	937.6	794.0	619.9	473.1	386.3	292.3	81.9	43.6	27.2	18.8
0°	1863.3	952.9	806.4	624.6	478.2	390.0	303.4	86.4	45.9	28.2	19.4
-2.5°	1843.6	951.8	812.3	638.4	491.5	399.0	308.9	105.3	59.6	36.5	23.5
-5°	1788.0	946.2	812.9	647.7	502.1	405.8	310.4	123.1	72.7	44.4	27.5
-7.5°	1665.9	926.9	802.6	651.1	509.6	410.1	308.9	139.5	84.9	51.8	31.2
-10°	1509.1	897.8	778.9	642.6	517.3	417.2	306.5	154.3	96.0	58.5	34.5
-12.5°	1329.4	866.1	754.0	633.8	523.8	427.4	311.0	168.5	106.0	64.4	37.3
-15°	1130.7	832.4	729.1	626.1	529.1	435.9	312.4	181.1	115.6	70.0	39.6
-17.5°	923.2	797.2	705.3	620.7	533.2	442.8	311.0	191.2	123.6	75.5	42.0
-20°	880.0	776.9	685.2	618.4	536.7	448.2	306.9	198.4	129.8	79.7	44.3



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	864.5	769.7	688.0	618.3	539.5	452.3	300.4	202.6	134.1	82.5	45.5
-25°	845.7	762.8	693.3	618.5	540.5	440.6	297.8	203.7	136.3	83.7	45.7
-27.5°	833.1	759.0	698.1	613.4	532.7	426.5	297.8	205.5	136.8	83.2	44.7
-30°	825.0	762.6	691.4	602.9	520.8	401.9	293.5	204.7	136.1	81.9	42.5
-32.5°	816.3	766.2	675.8	586.8	495.0	376.0	281.3	200.9	133.0	79.3	41.3
-35°	812.0	748.3	654.0	565.9	463.6	357.0	265.9	194.1	127.6	74.9	40.0
-37.5°	804.3	717.4	626.6	536.4	431.5	334.8	251.3	181.6	119.7	68.7	38.0
-40°	770.1	684.5	595.7	500.6	402.3	309.4	233.7	167.4	110.6	60.6	35.2
-42.5°	734.6	647.8	557.0	463.9	371.2	286.7	213.4	150.7	97.9	54.8	31.7
-45°	691.5	604.8	513.0	423.8	337.7	260.8	192.1	132.1	83.5	49.8	29.0
-47.5°	642.6	552.9	464.8	379.8	304.9	232.1	168.1	114.1	67.8	43.9	28.0
-50°	582.5	496.4	412.4	337.1	267.5	202.0	142.5	94.5	59.8	36.9	26.9
-52.5°	518.5	434.7	361.1	293.4	228.9	168.7	118.4	74.4	51.1	33.5	25.5
-55°	447.2	375.5	310.4	247.1	187.6	137.7	92.4	63.8	41.8	31.7	24.1
-57.5°	380.2	317.4	256.1	197.8	148.7	105.9	74.3	52.5	37.9	29.8	23.6
-60°	310.6	252.9	198.0	152.4	111.1	80.6	60.7	43.5	35.4	27.9	23.1
-62.5°	234.5	186.9	147.6	108.5	82.1	63.5	48.3	40.4	32.7	27.1	22.6
-65°	166.3	131.3	98.6	79.5	61.8	49.1	44.3	37.0	31.0	26.1	21.9
-67.5°	104.9	88.3	71.7	55.4	48.7	44.3	39.8	34.6	29.5	25.0	21.1
-70°	73.1	58.6	51.3	47.3	43.4	39.6	36.6	32.4	27.8	24.0	20.3
-72.5°	52.9	49.1	45.3	41.7	39.0	36.3	33.6	30.2	26.4	22.8	19.4
-75°	46.1	43.0	40.3	37.9	35.5	33.0	30.9	28.4	24.9	21.6	18.4
-77.5°	40.0	37.8	35.8	34.0	32.0	30.2	28.5	26.5	23.2	20.1	17.3
-80°	34.4	33.0	31.6	30.1	28.6	27.2	25.7	24.0	21.1	18.5	16.1
-82.5°	29.7	28.5	27.4	26.2	25.0	23.8	22.5	21.2	18.9	16.8	14.7
-85°	24.9	24.0	23.1	22.2	21.2	20.3	19.2	18.0	16.2	14.5	12.9
-87.5°	19.6	18.9	18.2	17.4	16.7	15.9	15.1	14.3	13.2	12.1	11.1
-90°	2.3	2.7	3.2	3.6	3.6	3.6	3.6	3.6	4.0	4.4	4.8



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.8	8.4	7.9	7.5	7.0	7.0	7.0
87.5°	5.7	5.9	6.3	6.6	7.0	7.0	7.0
85°	6.1	6.2	6.4	6.7	7.0	7.1	7.0
82.5°	6.6	6.5	6.6	6.7	7.0	7.1	7.0
80°	7.0	6.8	6.7	6.8	7.0	7.2	7.0
77.5°	7.0	7.0	6.9	6.9	7.0	7.2	7.0
75°	7.0	7.1	7.0	6.9	7.0	7.2	7.0
72.5°	7.1	7.3	7.2	7.0	7.0	7.3	7.0
70°	7.2	7.4	7.4	7.0	7.1	7.3	7.0
67.5°	7.2	7.6	7.5	7.2	7.1	7.4	7.0
65°	7.2	7.7	7.7	7.4	7.1	7.4	7.0
62.5°	7.3	7.7	7.9	7.6	7.2	7.5	7.0
60°	7.3	7.7	8.1	7.8	7.2	7.5	7.0
57.5°	7.8	7.8	8.2	7.9	7.4	7.6	7.0
55°	8.2	7.8	8.2	8.1	7.5	7.6	7.0
52.5°	8.7	8.0	8.3	8.3	7.7	7.7	7.0
50°	9.1	8.3	8.3	8.5	7.8	7.7	7.0
47.5°	9.5	8.7	8.4	8.7	7.9	7.8	7.0
45°	9.6	9.0	8.4	8.7	8.1	7.8	7.0
42.5°	9.7	9.4	8.5	8.8	8.2	7.9	7.0
40°	9.7	9.7	8.6	8.8	8.3	7.9	7.0
37.5°	9.8	10.0	8.9	8.9	8.3	8.0	7.0
35°	9.9	10.2	9.1	8.9	8.4	8.1	7.0
32.5°	10.1	10.3	9.4	9.0	8.5	8.1	7.0
30°	10.5	10.4	9.6	9.1	8.6	8.2	7.0
27.5°	10.8	10.4	9.8	9.2	8.6	8.2	7.0
25°	11.1	10.5	10.0	9.3	8.7	8.3	7.0
22.5°	11.4	10.6	10.2	9.4	8.7	8.3	7.0
20°	11.7	10.8	10.3	9.5	8.7	8.4	7.0
17.5°	12.0	10.9	10.4	9.6	8.7	8.5	7.0
15°	12.4	11.1	10.5	9.8	8.8	8.5	7.0
12.5°	12.7	11.3	10.5	9.9	8.8	8.6	7.0
10°	13.0	11.5	10.6	10.1	8.8	8.6	7.0
7.5°	13.3	11.8	10.6	10.2	8.8	8.7	7.0
5°	13.6	12.0	10.6	10.3	8.8	8.7	7.0
2.5°	13.9	12.2	10.6	10.5	8.8	8.8	7.0
0°	14.1	12.4	10.6	10.6	8.8	8.8	7.0
-2.5°	15.7	13.0	10.9	10.7	8.9	8.8	7.0
-5°	17.3	13.5	11.2	10.8	9.0	8.9	7.0
-7.5°	18.8	14.0	11.5	10.9	9.0	8.9	7.0
-10°	20.2	14.5	11.8	11.0	9.1	8.9	7.0
-12.5°	21.4	14.9	12.1	11.1	9.2	8.9	7.0
-15°	22.4	15.3	12.3	11.1	9.3	9.0	7.0
-17.5°	23.2	15.6	12.5	11.2	9.3	9.0	7.0
-20°	23.9	15.9	12.7	11.2	9.4	9.0	7.0



REPORT NUMBER: P574503 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.7	16.1	12.9	11.2	9.5	9.0	7.0
-25°	25.0	16.4	13.0	11.2	9.6	9.0	7.0
-27.5°	25.0	16.7	13.1	11.2	9.6	9.0	7.0
-30°	24.4	16.9	13.2	11.2	9.7	8.9	7.0
-32.5°	23.4	16.9	13.4	11.2	9.8	8.9	7.0
-35°	23.0	16.9	13.6	11.2	9.8	8.9	7.0
-37.5°	22.9	16.8	13.7	11.1	9.9	8.9	7.0
-40°	22.6	17.0	13.8	11.1	10.0	8.8	7.0
-42.5°	22.2	17.1	13.9	11.0	10.0	8.8	7.0
-45°	21.6	17.1	13.9	11.0	10.1	8.7	7.0
-47.5°	20.8	17.1	13.8	11.0	10.1	8.7	7.0
-50°	20.6	17.0	13.8	11.1	10.2	8.6	7.0
-52.5°	20.4	16.9	13.7	11.2	10.2	8.5	7.0
-55°	20.2	16.7	13.5	11.3	10.3	8.5	7.0
-57.5°	19.8	16.4	13.4	11.4	10.3	8.4	7.0
-60°	19.4	16.1	13.2	11.4	10.4	8.3	7.0
-62.5°	18.9	15.7	13.1	11.4	10.1	8.2	7.0
-65°	18.4	15.3	13.0	11.4	9.9	8.1	7.0
-67.5°	17.8	15.0	12.9	11.4	9.6	8.0	7.0
-70°	17.1	14.6	12.7	11.3	9.4	7.9	7.0
-72.5°	16.4	14.2	12.5	11.0	9.1	7.8	7.0
-75°	15.7	13.8	12.3	10.5	8.8	7.7	7.0
-77.5°	14.9	13.3	11.7	10.0	8.5	7.6	7.0
-80°	14.1	12.5	10.9	9.5	8.2	7.5	7.0
-82.5°	12.9	11.5	10.2	9.0	7.9	7.4	7.0
-85°	11.5	10.4	9.4	8.5	7.6	7.2	7.0
-87.5°	10.2	9.4	8.7	8.0	7.3	7.1	7.0
-90°	5.2	5.7	6.1	6.6	7.0	7.0	7.0

(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

