

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: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-2S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-2S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

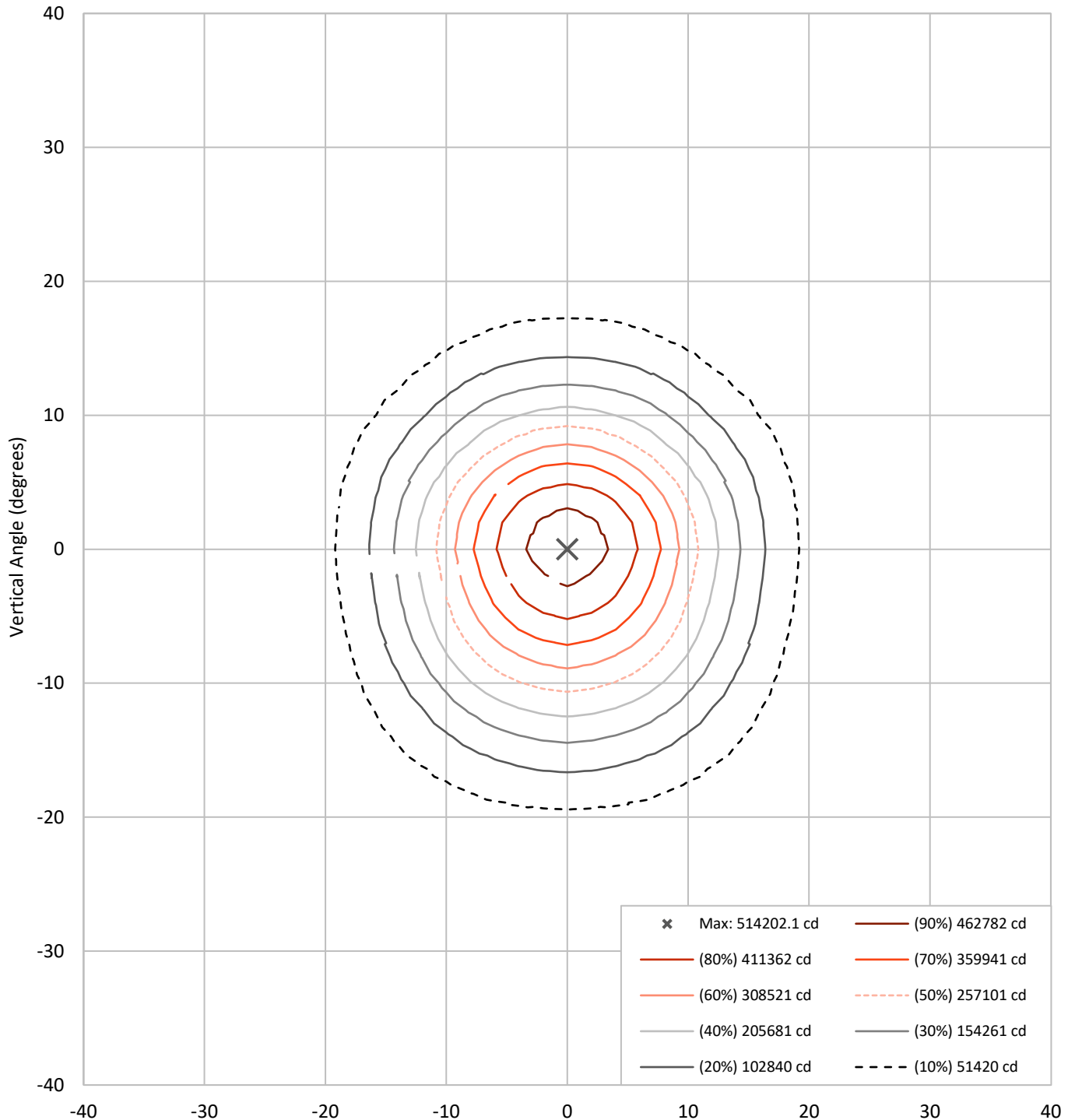
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79599.5 lumens	Max Intensity:	514202.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	36798.2 lumens	Field Lumens:	68645.8 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 703.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





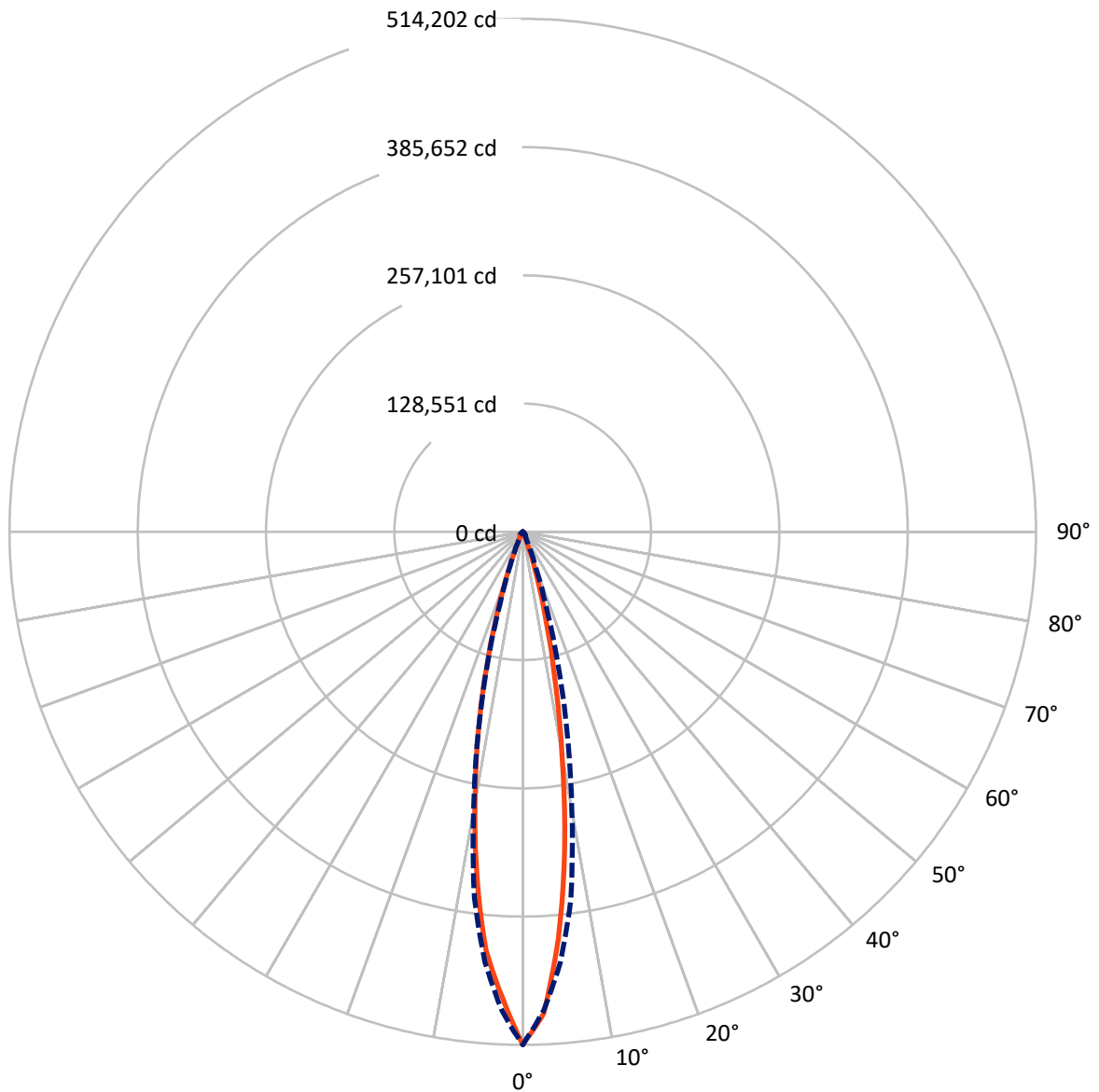
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Lumen Table

90																	
80	0.2	0.5		0.7		0.7		0.7		0.7		0.5		0.2			
70																	
60	0.2	0.1	0.2	0.7	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.7	0.2	0.1	0.2	
50		0.1	0.4	0.7	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.4	0.1		
40	0.2	0.2	0.5	0.6	0.8	1.1	1.4	1.6	1.6	1.4	1.1	0.8	0.6	0.5	0.2	0.2	
30		0.3	1.0	2.2	4.6	7.4	9.0	10.4	10.4	9.0	7.4	4.6	2.2	1.0	0.3		
20	0.3	0.5	3.3	11.1	29.5	43.4	76.0	167.2	167.2	76.0	43.4	29.5	11.1	3.3	0.5	0.3	
10		1.1	7.5	28.8	67.6	132.4	822.7	2566.9	2566.9	822.7	132.4	67.6	28.8	7.5	1.1		
0	0.4	2.1	12.7	53.3	110.5	356.2	3362.0	10014.2	10014.2	3362.0	356.2	110.5	53.3	12.7	2.1	0.4	
-10		3.4	16.6	62.5	123.9	357.5	3563.1	10440.6	10440.6	3563.1	357.5	123.9	62.5	16.6	3.4		
-20	0.7	3.9	17.0	57.7	122.3	204.4	1311.8	3786.0	3786.0	1311.8	204.4	122.3	57.7	17.0	3.9	0.7	
-30		3.6	14.4	34.5	87.0	127.9	199.7	391.0	391.0	199.7	127.9	87.0	34.5	14.4	3.6		
-40	0.5	3.1	10.5	21.5	48.1	92.0	119.2	131.0	131.0	119.2	92.0	48.1	21.5	10.5	3.1	0.5	
-50		2.1	7.2	15.9	27.2	45.0	78.2	105.6	105.6	78.2	45.0	27.2	15.9	7.2	2.1		
-60	0.3	1.0	4.3	10.3	18.9	28.3	36.2	40.6	40.6	36.2	28.3	18.9	10.3	4.3	1.0	0.3	
-70		0.4	1.5	4.9	10.0	16.3	22.9	26.9	26.9	22.9	16.3	10.0	4.9	1.5	0.4		
-80	0.2	1.2		3.7		9.3		13.4		9.3		3.7		1.2		0.2	
-90																	

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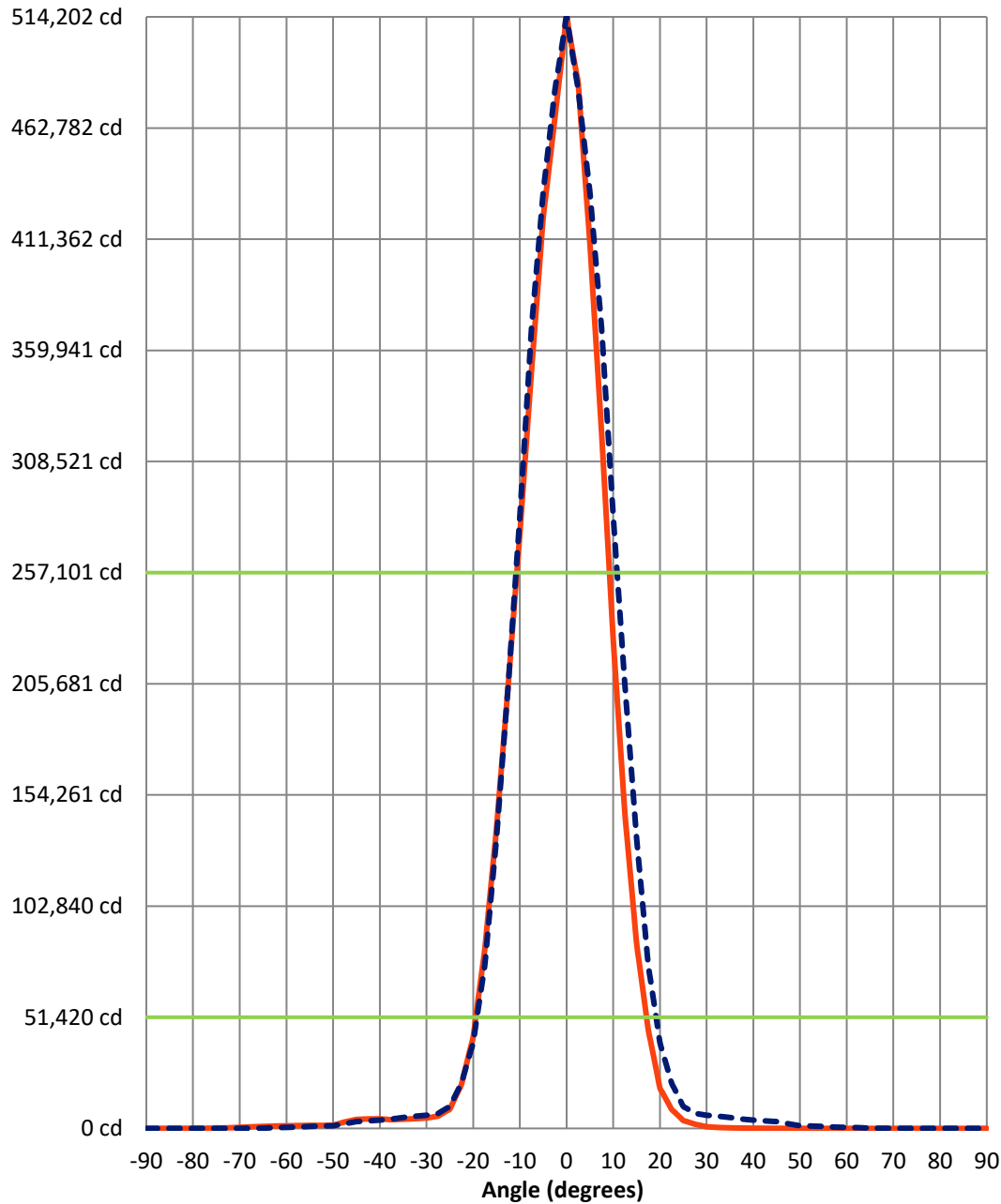
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.7°
 V Angle: 19.8°
 Lumens: 36798.2
 Efficiency: 46.2%

Field:
 H Angle: 38.4°
 V Angle: 36.6°
 Lumens: 68645.8
 Efficiency: 86.2%

Spill:
 Lumens: 10953.7
 Efficiency: 13.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.3	8.3	8.3	8.8	9.4	9.9	10.4	10.4	10.4	10.4	10.4
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.9	7.6	7.3	7.1
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.1	8.0	7.9	8.0
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4
67.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3	8.3	8.6	8.6
65°	8.3	8.3	8.3	8.3	8.3	8.4	8.4	8.3	8.8	9.0	8.7
62.5°	8.3	8.3	8.3	8.3	8.3	8.5	8.6	8.7	9.2	9.3	8.8
60°	8.3	8.3	8.3	8.3	8.3	8.7	8.7	9.2	9.8	9.4	8.9
57.5°	8.3	8.3	8.3	8.3	8.5	8.9	9.1	9.8	10.0	9.5	9.0
55°	8.3	8.3	8.4	8.3	8.7	9.1	9.5	10.3	10.1	9.6	9.2
52.5°	8.3	8.3	8.4	8.3	8.9	9.4	9.9	10.4	10.2	9.7	9.3
50°	8.3	8.3	8.4	8.3	9.2	9.6	10.2	10.4	10.3	9.9	10.9
47.5°	8.3	8.3	8.5	8.3	9.4	9.8	10.4	10.4	10.4	10.0	12.4
45°	8.3	8.3	8.6	8.5	9.7	10.0	10.4	10.4	10.5	10.9	13.6
42.5°	8.3	8.3	8.6	8.7	9.9	10.2	10.4	10.5	10.6	11.6	15.2
40°	8.3	8.3	8.7	9.0	10.1	10.3	10.4	10.6	11.0	12.1	16.8
37.5°	8.3	8.3	8.8	9.2	10.2	10.4	10.4	10.8	11.8	13.4	18.2
35°	8.3	8.3	8.9	9.4	10.3	10.4	10.4	11.1	12.8	15.6	18.9
32.5°	8.3	8.3	9.0	9.6	10.3	10.4	10.5	11.3	13.8	17.8	20.6
30°	8.3	8.3	9.1	9.8	10.4	10.4	10.7	11.8	14.9	20.1	22.7
27.5°	8.3	8.3	9.2	9.9	10.4	10.4	10.9	12.7	16.4	22.5	25.2
25°	8.3	8.3	9.3	10.0	10.4	10.4	11.1	13.6	18.3	24.7	28.1
22.5°	8.3	8.3	9.4	10.1	10.4	10.4	11.4	14.5	20.2	26.9	33.4
20°	8.3	8.3	9.5	10.2	10.4	10.6	11.6	15.5	22.1	29.2	38.5
17.5°	8.3	8.3	9.6	10.3	10.4	10.8	12.0	16.4	23.9	31.7	43.3
15°	8.3	8.3	9.7	10.3	10.4	11.0	12.4	17.3	25.7	34.3	47.8
12.5°	8.3	8.3	9.9	10.4	10.4	11.2	12.8	18.1	27.5	36.9	51.9
10°	8.3	8.3	10.0	10.4	10.4	11.4	13.2	18.8	29.3	40.9	58.3
7.5°	8.3	8.3	10.1	10.4	10.4	11.7	13.6	19.4	31.0	45.3	70.1
5°	8.3	8.3	10.2	10.4	10.4	11.9	13.9	19.9	32.6	49.7	82.2
2.5°	8.3	8.3	10.3	10.4	10.4	12.2	14.2	20.3	34.0	54.0	94.3
0°	8.3	8.3	10.4	10.4	10.4	12.4	14.5	20.7	35.3	58.1	105.8
-2.5°	8.3	8.3	10.4	10.5	10.6	12.9	16.2	25.6	45.7	75.9	136.6
-5°	8.3	8.4	10.4	10.7	10.8	13.3	17.7	30.2	55.6	92.9	165.7
-7.5°	8.3	8.4	10.4	10.8	10.9	13.7	19.2	34.5	64.8	108.7	192.4
-10°	8.3	8.5	10.3	10.9	11.1	14.0	20.6	38.3	73.0	123.0	215.8
-12.5°	8.3	8.5	10.3	11.0	11.3	14.3	21.7	41.5	80.0	135.4	229.7
-15°	8.3	8.6	10.3	11.1	11.4	14.6	22.6	44.0	86.2	145.2	238.0
-17.5°	8.3	8.6	10.3	11.2	11.6	14.7	23.3	46.8	92.0	153.2	243.5
-20°	8.3	8.6	10.2	11.2	11.8	14.8	23.9	49.5	96.3	159.3	246.3



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.7	10.2	11.3	11.9	14.9	24.8	50.8	98.9	163.4	246.2
-25°	8.3	8.7	10.2	11.3	12.1	15.1	25.1	50.8	99.8	165.5	243.1
-27.5°	8.3	8.7	10.1	11.3	12.3	15.3	24.9	49.2	98.9	165.7	244.2
-30°	8.3	8.8	10.1	11.3	12.4	15.4	24.1	45.9	96.9	164.2	242.9
-32.5°	8.3	8.8	10.1	11.3	12.7	15.4	22.7	44.3	93.2	160.1	238.8
-35°	8.3	8.8	10.1	11.2	12.9	15.2	22.1	42.6	87.1	153.5	231.8
-37.5°	8.3	8.8	10.1	11.1	13.0	15.1	21.9	40.0	78.6	144.4	214.0
-40°	8.3	8.8	10.0	11.0	13.1	15.3	21.5	36.4	67.6	132.6	194.3
-42.5°	8.3	8.8	10.0	10.8	13.0	15.3	20.9	31.9	60.0	114.3	172.9
-45°	8.3	8.8	10.0	10.7	12.8	15.3	20.0	28.4	53.7	94.5	149.9
-47.5°	8.3	8.8	10.0	10.6	12.6	15.2	19.0	27.2	46.1	73.9	126.8
-50°	8.3	8.8	10.0	10.5	12.4	14.9	18.6	25.7	36.6	63.0	102.6
-52.5°	8.3	8.8	10.1	10.6	12.1	14.6	18.1	24.0	31.9	51.2	78.8
-55°	8.3	8.8	10.1	10.6	11.8	14.2	17.4	22.1	29.3	38.5	64.2
-57.5°	8.3	8.8	10.1	10.6	11.5	13.7	16.6	21.0	26.5	33.2	48.6
-60°	8.3	8.8	10.1	10.5	11.1	13.2	15.7	19.6	24.0	30.0	36.3
-62.5°	8.3	8.7	10.0	10.5	11.1	12.6	14.9	18.2	22.3	26.7	32.6
-65°	8.3	8.7	9.9	10.5	11.0	12.0	14.1	16.9	20.6	24.5	28.9
-67.5°	8.3	8.7	9.8	10.5	10.8	11.6	13.3	15.9	18.9	22.6	26.2
-70°	8.3	8.6	9.6	10.4	10.7	11.3	12.4	14.9	17.7	20.5	24.0
-72.5°	8.3	8.6	9.5	10.2	10.6	11.1	11.9	13.8	16.5	19.2	21.8
-75°	8.3	8.6	9.3	10.0	10.4	10.8	11.4	13.1	15.3	17.8	20.3
-77.5°	8.3	8.5	9.2	9.8	10.2	10.5	10.9	12.5	14.4	16.5	18.8
-80°	8.3	8.5	9.0	9.6	10.1	10.3	10.5	11.8	13.4	15.2	17.2
-82.5°	8.3	8.4	8.8	9.4	9.9	10.2	10.4	11.3	12.5	13.9	15.5
-85°	8.3	8.4	8.7	9.2	9.7	10.1	10.4	11.0	11.8	12.7	13.8
-87.5°	8.3	8.3	8.5	9.0	9.5	10.0	10.4	10.7	11.1	11.6	12.1
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.4	10.4	10.4	10.4	10.9	11.4	11.9	12.4	12.9	13.5	14.0
87.5°	6.9	6.7	6.5	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
85°	7.7	7.3	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
82.5°	7.8	7.3	6.8	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.7
80°	7.9	7.3	6.8	6.3	6.2	6.2	6.2	6.2	5.8	5.4	5.1
77.5°	7.9	7.4	6.9	6.3	6.3	6.6	7.0	7.3	7.2	7.0	6.8
75°	7.9	7.4	7.2	7.2	7.5	7.9	8.3	8.3	8.0	7.5	6.9
72.5°	8.1	7.9	7.9	8.3	8.3	8.3	8.3	8.3	9.3	10.7	11.7
70°	8.2	8.3	8.3	8.3	8.3	8.8	11.0	13.8	16.8	19.0	21.8
67.5°	8.3	8.3	8.3	8.5	10.0	12.4	15.7	23.9	33.4	36.3	36.3
65°	8.3	8.3	8.8	10.2	12.2	18.6	27.6	38.7	47.1	45.9	42.9
62.5°	8.3	8.6	9.7	12.7	18.5	26.9	35.6	43.7	51.7	50.3	43.8
60°	8.5	8.8	12.2	18.1	24.5	31.1	39.5	44.7	49.9	51.4	40.5
57.5°	8.6	10.7	16.5	22.7	28.5	33.3	36.5	41.0	44.0	44.6	33.4
55°	9.7	14.0	20.2	26.3	30.4	29.1	31.4	34.2	35.4	32.7	23.6
52.5°	12.4	17.2	23.4	28.5	29.0	26.8	26.1	27.4	25.3	21.6	18.7
50°	14.6	20.1	26.1	29.0	28.4	25.5	21.7	21.1	20.4	18.9	17.2
47.5°	16.9	22.9	28.1	30.0	27.9	25.3	20.9	20.4	20.4	21.7	20.5
45°	19.2	24.6	29.9	30.2	28.7	26.7	24.8	22.6	26.7	28.0	27.9
42.5°	21.1	25.6	30.4	30.9	31.6	31.2	30.6	32.9	35.3	37.5	38.2
40°	21.9	26.3	31.9	36.0	36.1	37.7	42.0	46.0	46.1	48.9	50.5
37.5°	22.1	28.9	36.6	45.7	43.0	48.0	55.2	66.0	67.6	61.3	70.0
35°	22.1	32.5	48.9	59.5	58.1	61.6	78.6	94.4	101.6	91.4	105.4
32.5°	24.3	37.2	64.7	76.0	86.5	90.5	106.9	138.3	155.9	162.4	174.2
30°	29.5	51.8	82.8	95.1	124.6	144.3	158.1	195.6	227.7	325.0	397.2
27.5°	36.0	69.6	101.0	129.1	172.6	206.5	236.1	274.7	392.5	569.7	753.9
25°	42.3	93.5	120.8	173.2	232.3	278.0	318.6	373.3	620.1	983.3	1138.4
22.5°	55.1	121.0	152.4	222.8	297.3	351.5	410.5	558.3	891.7	1437.5	1501.4
20°	76.0	147.5	195.4	278.4	369.4	425.2	503.3	752.5	1199.2	1616.1	1789.1
17.5°	98.4	176.4	242.8	344.1	454.4	517.6	609.0	939.5	1464.1	1835.3	2067.3
15°	121.7	207.2	288.2	416.0	544.3	631.6	820.3	1196.4	1673.3	2092.1	2430.2
12.5°	145.4	239.2	331.5	492.3	638.6	744.1	1076.4	1588.2	2023.9	2416.1	2875.1
10°	168.8	271.6	372.5	570.7	735.3	854.6	1358.5	1986.4	2414.2	2797.7	3268.3
7.5°	215.7	315.3	415.8	648.9	832.5	962.3	1653.3	2382.2	2772.2	3132.2	3593.9
5°	266.9	369.0	482.3	742.1	930.0	1061.5	1921.9	2764.8	3102.2	3426.8	3878.0
2.5°	316.8	420.3	546.6	831.4	1023.1	1147.5	2059.4	2974.8	3312.1	3652.7	4123.1
0°	363.1	468.9	607.9	912.9	1110.0	1228.2	2159.8	3151.5	3487.6	3842.3	4338.2
-2.5°	401.7	518.4	672.5	951.5	1134.1	1248.8	2126.8	3149.8	3553.0	3947.1	4460.1
-5°	433.8	564.7	732.2	983.5	1153.4	1265.7	2061.5	3100.0	3607.0	4030.9	4552.1
-7.5°	459.1	607.3	785.8	1008.5	1165.3	1274.2	2032.8	3120.7	3703.5	4104.5	4612.2
-10°	472.8	624.2	789.7	1007.4	1167.5	1276.1	1969.3	3078.0	3783.5	4170.0	4637.7
-12.5°	454.4	617.1	779.5	997.0	1168.2	1275.3	1847.1	2965.0	3849.1	4232.4	4614.5
-15°	434.0	606.5	762.7	976.6	1168.3	1272.3	1660.4	2776.7	3811.9	4120.8	4517.7
-17.5°	412.6	592.3	739.2	945.5	1168.8	1267.2	1395.0	2372.8	3440.0	3884.5	4361.7
-20°	391.3	574.4	708.7	903.4	1162.6	1233.2	1292.5	1962.6	2897.8	3584.1	4066.3



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	371.0	552.8	677.7	863.1	1072.5	1174.7	1231.1	1565.6	2339.4	3219.0	3625.1
-25°	359.9	521.1	650.7	801.4	978.4	1113.8	1162.3	1231.7	1846.4	2641.8	3222.4
-27.5°	354.2	493.4	614.6	740.1	891.3	1040.7	1093.1	1153.5	1466.4	2076.9	2799.3
-30°	345.0	458.0	576.6	684.1	819.2	947.0	1023.6	1092.7	1177.7	1636.4	2207.7
-32.5°	324.2	421.3	535.2	640.0	752.2	865.3	973.2	1048.5	1117.9	1242.2	1694.1
-35°	299.9	390.3	492.2	594.4	689.1	799.5	911.7	1010.3	1066.3	1124.2	1323.5
-37.5°	279.7	357.4	448.4	547.0	638.1	738.2	847.1	951.3	1028.8	1081.6	1157.2
-40°	257.9	322.8	408.7	498.6	587.8	678.1	778.3	879.6	976.3	1057.1	1118.1
-42.5°	234.5	296.9	369.2	449.7	535.1	620.1	707.5	803.8	905.5	1010.9	1089.9
-45°	208.9	269.6	329.9	405.1	480.8	559.9	641.2	726.3	829.3	930.2	1030.2
-47.5°	181.3	240.2	298.5	360.0	429.7	500.2	573.0	659.6	750.2	845.5	939.5
-50°	152.7	207.7	266.0	322.1	381.5	443.8	508.6	594.0	680.4	762.8	847.1
-52.5°	125.1	173.1	229.0	285.7	338.3	393.1	455.3	530.2	610.9	690.7	765.8
-55°	96.6	141.0	189.1	243.8	297.9	346.9	405.4	471.9	540.1	615.8	688.6
-57.5°	74.5	108.5	150.6	197.4	249.8	303.7	359.4	415.5	477.6	541.7	604.5
-60°	55.5	80.3	112.5	152.9	196.4	249.0	309.9	365.5	418.3	470.7	528.0
-62.5°	38.5	57.9	80.7	108.7	146.6	189.8	242.0	299.6	361.0	407.5	453.3
-65°	34.3	39.7	55.5	76.3	97.4	133.3	174.8	220.1	272.2	319.7	369.2
-67.5°	30.0	34.8	39.9	48.1	66.9	86.8	107.9	144.7	184.3	218.3	253.7
-70°	27.2	30.1	34.2	38.8	43.5	51.6	69.0	87.5	105.8	125.7	154.1
-72.5°	24.6	27.3	29.9	32.5	36.4	40.4	44.3	48.1	58.6	73.0	86.2
-75°	22.3	24.4	26.8	29.2	31.3	33.5	36.2	39.6	42.9	46.3	49.9
-77.5°	20.1	21.6	23.4	25.5	27.2	28.6	30.3	32.2	34.3	36.3	38.3
-80°	18.0	18.7	19.7	21.0	22.5	23.8	24.9	25.9	27.0	28.5	30.2
-82.5°	16.1	16.6	17.1	17.5	18.3	19.3	20.3	21.4	22.1	22.8	23.6
-85°	14.2	14.5	14.8	15.1	15.5	16.0	16.5	17.1	17.4	17.8	18.1
-87.5°	12.3	12.4	12.6	12.8	13.1	13.4	13.7	13.9	14.1	14.3	14.4
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14.5	14.5	14.5	14.5	14.5	17.6	20.7	23.9	27.0	31.6	36.3
87.5°	4.1	4.0	4.0	3.9	3.9	3.5	3.0	2.6	2.1	1.6	1.1
85°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
82.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
80°	4.8	4.7	4.6	4.4	4.1	3.7	3.2	2.7	2.1	2.1	2.1
77.5°	6.3	5.8	5.3	4.7	4.2	3.9	3.8	3.8	3.8	3.5	3.1
75°	6.4	6.2	6.4	6.1	5.4	5.0	4.8	4.6	4.2	4.0	4.0
72.5°	12.5	12.5	11.8	11.1	9.9	9.3	9.1	8.5	7.6	7.2	7.0
70°	22.8	22.4	21.5	19.7	16.8	14.5	13.2	11.8	10.4	9.9	10.0
67.5°	33.1	29.7	26.9	23.7	19.6	16.6	15.0	13.2	11.3	10.4	10.4
65°	38.3	31.3	26.6	23.1	20.5	17.5	14.8	12.4	10.1	9.0	9.3
62.5°	36.3	27.1	21.4	18.1	15.7	14.1	12.0	10.3	9.0	8.4	8.4
60°	30.1	20.2	15.2	13.6	12.0	10.5	9.8	8.9	7.9	6.9	7.2
57.5°	23.4	16.1	12.3	11.7	11.2	10.6	9.7	8.8	8.1	7.6	8.0
55°	17.4	14.4	12.5	12.6	12.4	11.4	10.3	10.1	9.9	9.6	9.9
52.5°	15.2	15.2	15.7	15.6	14.1	13.0	12.2	12.3	12.5	12.9	13.4
50°	17.4	18.0	17.7	16.2	15.9	15.4	14.5	15.4	16.6	17.1	17.5
47.5°	20.7	21.1	21.3	19.9	20.2	21.7	22.0	22.7	25.0	26.8	28.4
45°	26.6	28.8	29.4	30.3	30.9	34.0	35.6	36.4	42.9	45.9	46.3
42.5°	38.3	41.9	44.8	49.2	48.6	56.4	66.4	71.8	71.4	69.3	69.2
40°	56.1	62.3	76.0	83.2	91.2	100.2	101.2	90.1	90.2	101.4	100.8
37.5°	86.6	107.8	127.2	144.3	148.5	143.4	145.3	153.7	163.7	164.7	169.6
35°	145.9	189.0	198.9	212.1	226.5	212.8	211.1	224.7	220.1	243.4	260.2
32.5°	252.3	313.4	331.9	347.8	388.1	364.8	300.5	394.2	373.1	399.2	438.9
30°	401.4	521.4	602.2	626.4	636.5	639.2	699.8	753.5	796.0	852.8	933.1
27.5°	760.1	839.8	974.0	1049.3	954.5	993.7	1149.1	1177.4	1337.5	1511.6	1654.5
25°	1156.0	1245.3	1484.2	1514.2	1435.0	1580.5	1730.9	1762.1	2044.6	2249.6	2740.4
22.5°	1513.8	1663.5	1919.1	1991.7	2057.6	2230.6	2405.3	2613.6	3250.1	4039.2	5471.4
20°	1816.6	1983.7	2233.5	2435.3	2600.0	2820.7	3024.3	3735.6	5106.4	8104.6	11365.9
17.5°	2183.2	2286.7	2595.6	2865.4	3123.6	3439.7	4339.3	6135.9	10104.3	16637.2	22828.9
15°	2677.1	2882.9	3074.6	3366.6	3848.8	4768.3	6753.2	12605.5	20907.7	32302.7	46416.9
12.5°	3246.7	3530.5	3796.3	4044.0	4735.7	6904.5	13237.9	23386.6	37342.9	55647.8	83347.8
10°	3755.3	4188.9	4515.2	4947.4	6287.2	10504.7	20281.8	34629.3	59153.3	91496.2	127644.9
7.5°	4108.4	4623.7	5063.7	5706.3	7891.1	15036.0	28571.0	50914.1	85774.0	129354.2	178117.9
5°	4444.3	5025.4	5457.3	6247.7	8951.4	18183.7	34853.8	64488.0	111829.9	169414.9	232022.5
2.5°	4761.7	5380.1	5804.8	6732.8	9620.9	19618.4	37485.4	72926.6	128683.8	196893.4	271249.7
0°	5056.0	5641.1	6085.1	6960.6	10186.7	20995.9	39724.1	75647.4	134377.8	204983.7	283191.3
-2.5°	5001.1	5435.9	5927.6	6805.2	9648.5	19518.9	37115.1	72451.6	127692.9	195325.9	267263.5
-5°	4981.9	5334.5	5778.3	6573.8	8983.7	16865.7	32963.9	65236.2	116739.8	177690.6	244694.1
-7.5°	4996.6	5276.6	5623.6	6281.5	8180.9	14259.7	28660.6	56551.7	99092.4	150697.7	211204.6
-10°	5027.9	5244.6	5596.3	6175.0	7504.6	11397.5	21690.2	43570.6	77911.9	118957.3	166104.6
-12.5°	5082.1	5374.0	5727.0	6120.2	6825.0	9078.2	17058.7	33822.6	57605.6	86441.9	122316.8
-15°	5063.5	5439.8	5838.6	6081.4	6465.1	7719.3	11064.9	22332.7	39858.2	58983.0	80694.1
-17.5°	4927.1	5377.7	5552.9	5741.3	5974.7	6592.6	8459.9	13469.1	23448.9	36014.9	48229.8
-20°	4610.5	4838.5	5057.7	5282.5	5541.0	5881.9	6462.9	8414.1	11336.4	18467.0	24428.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4016.2	4235.6	4425.5	4790.3	5051.2	5301.7	5621.5	6043.9	7167.8	8933.3	11867.7
-25°	3506.5	3641.6	3908.8	4334.7	4615.1	4765.0	4965.7	5125.8	5511.2	5921.2	6934.8
-27.5°	3099.0	3301.6	3630.8	4003.8	4272.6	4393.3	4498.7	4592.9	4834.8	5002.5	5290.3
-30°	2776.6	3104.7	3413.2	3754.5	4001.6	4145.1	4190.0	4325.9	4483.6	4603.3	4719.9
-32.5°	2314.1	2891.3	3171.9	3454.6	3733.8	3910.3	4031.3	4138.4	4286.4	4378.3	4424.2
-35°	1816.2	2407.0	2959.7	3149.2	3352.1	3605.7	3812.2	3921.1	4018.5	4107.1	4163.0
-37.5°	1370.6	1854.6	2369.0	2831.6	3048.8	3238.6	3538.8	3720.6	3808.9	3941.0	4016.2
-40°	1188.7	1326.0	1764.9	2198.0	2587.9	3020.0	3312.1	3592.3	3869.4	4039.2	4149.4
-42.5°	1148.0	1204.0	1256.1	1559.7	1949.4	2341.0	2771.5	3246.8	3644.4	3943.8	4222.0
-45°	1115.0	1157.7	1199.6	1247.1	1292.8	1592.3	1928.9	2283.2	2740.7	3183.5	3565.9
-47.5°	1030.1	1110.7	1158.0	1193.7	1231.0	1272.5	1310.6	1391.0	1698.6	2025.7	2336.3
-50°	933.4	1013.5	1085.2	1151.5	1199.4	1231.6	1255.6	1287.1	1323.8	1356.5	1386.5
-52.5°	838.3	915.9	988.8	1060.9	1128.6	1190.8	1248.3	1284.6	1312.5	1336.9	1352.1
-55°	758.3	825.3	890.6	961.9	1031.5	1097.7	1160.1	1216.2	1269.0	1318.3	1346.6
-57.5°	670.9	736.8	802.1	868.0	931.5	992.3	1052.6	1111.4	1167.1	1217.9	1248.8
-60°	584.4	639.8	704.8	772.4	835.6	894.5	954.5	1011.3	1064.1	1108.9	1136.4
-62.5°	503.2	554.8	608.8	668.9	733.9	797.4	850.8	904.6	958.5	1004.8	1036.4
-65°	417.0	460.3	504.1	551.2	600.9	652.9	706.3	758.8	810.1	852.0	882.0
-67.5°	295.1	338.1	379.9	421.7	459.9	498.3	539.2	580.5	621.6	655.3	681.9
-70°	181.9	208.8	234.1	261.2	293.2	326.6	360.6	392.5	422.0	443.9	460.0
-72.5°	98.1	109.0	122.0	142.3	161.3	181.2	201.8	221.6	240.2	253.9	264.3
-75°	53.7	58.6	67.1	75.0	82.5	91.3	100.4	108.8	116.7	124.4	131.5
-77.5°	40.7	43.2	45.4	47.3	49.1	52.2	55.7	59.3	62.8	67.5	72.5
-80°	31.7	33.0	34.2	35.5	36.7	38.9	41.2	43.4	45.6	47.8	49.9
-82.5°	24.5	25.1	25.6	26.2	26.7	28.1	29.5	30.9	32.3	34.6	36.9
-85°	18.5	18.9	19.3	19.6	19.9	21.0	22.1	23.3	24.5	26.1	27.8
-87.5°	14.5	14.9	15.4	15.9	16.4	17.2	17.8	18.4	19.0	20.5	22.0
-90°	4.1	3.6	3.1	2.6	2.1	2.1	2.1	2.1	2.1	1.6	1.1



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	40.9	45.6	48.7	51.9	48.7	45.6	40.9	36.3	31.6	27.0	23.9
87.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.7
77.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	3.8	3.8
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.6
72.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.6	7.0	7.2	7.6	8.5
70°	10.1	10.3	10.4	10.4	10.4	10.3	10.1	10.0	9.9	10.4	11.8
67.5°	10.4	10.4	9.4	8.3	9.4	10.4	10.4	10.4	10.4	11.3	13.2
65°	9.8	10.3	9.5	8.3	9.5	10.3	9.8	9.3	9.0	10.1	12.4
62.5°	8.4	8.4	8.3	8.3	8.3	8.4	8.4	8.4	8.4	9.0	10.3
60°	7.6	8.1	8.3	8.3	8.3	8.1	7.6	7.2	6.9	7.9	8.9
57.5°	8.2	8.3	9.1	10.4	9.1	8.3	8.2	8.0	7.6	8.1	8.8
55°	10.1	10.3	10.4	10.4	10.4	10.3	10.1	9.9	9.6	9.9	10.1
52.5°	13.9	14.2	14.4	14.5	14.4	14.2	13.9	13.4	12.9	12.5	12.3
50°	18.0	18.4	17.9	16.6	17.9	18.4	18.0	17.5	17.1	16.6	15.4
47.5°	29.8	30.5	30.2	29.0	30.2	30.5	29.8	28.4	26.8	25.0	22.7
45°	47.5	47.5	47.3	47.7	47.3	47.5	47.5	46.3	45.9	42.9	36.4
42.5°	71.0	71.7	72.0	72.6	72.0	71.7	71.0	69.2	69.3	71.4	71.8
40°	102.7	103.2	102.0	99.6	102.0	103.2	102.7	100.8	101.4	90.2	90.1
37.5°	178.3	182.3	181.2	178.4	181.2	182.3	178.3	169.6	164.7	163.7	153.7
35°	266.2	263.8	256.7	257.3	256.7	263.8	266.2	260.2	243.4	220.1	224.7
32.5°	415.8	430.7	435.4	437.8	435.4	430.7	415.8	438.9	399.2	373.1	394.2
30°	989.8	959.9	827.1	786.3	827.1	959.9	989.8	933.1	852.8	796.0	753.5
27.5°	1758.3	1853.1	1939.8	1948.1	1939.8	1853.1	1758.3	1654.5	1511.6	1337.5	1177.4
25°	3247.3	3566.3	3700.7	3682.6	3700.7	3566.3	3247.3	2740.4	2249.6	2044.6	1762.1
22.5°	7164.6	8253.3	8820.7	8840.3	8820.7	8253.3	7164.6	5471.4	4039.2	3250.1	2613.6
20°	15633.2	18260.7	18924.2	18726.2	18924.2	18260.7	15633.2	11365.9	8104.6	5106.4	3735.6
17.5°	32234.0	40006.7	45313.2	45678.5	45313.2	40006.7	32234.0	22828.9	16637.2	10104.3	6135.9
15°	62737.0	77024.9	84434.3	85693.1	84434.3	77024.9	62737.0	46416.9	32302.7	20907.7	12605.5
12.5°	109596.8	131344.0	143444.1	145514.8	143444.1	131344.0	109596.8	83347.8	55647.8	37342.9	23386.6
10°	167169.8	197501.9	217224.4	226126.9	217224.4	197501.9	167169.8	127644.9	91496.2	59153.3	34629.3
7.5°	226244.1	274030.0	313055.0	321903.0	313055.0	274030.0	226244.1	178117.9	129354.2	85774.0	50914.1
5°	299327.0	363400.5	400876.8	409531.8	400876.8	363400.5	299327.0	232022.5	169414.9	111829.9	64488.0
2.5°	353522.1	422412.0	461691.3	483276.7	461691.3	422412.0	353522.1	271249.7	196893.4	128683.8	72926.6
0°	370340.8	433025.6	480247.7	514202.1	480247.7	433025.6	370340.8	283191.3	204983.7	134377.8	75647.4
-2.5°	347576.3	414041.8	448306.6	467396.0	448306.6	414041.8	347576.3	267263.5	195325.9	127692.9	72451.6
-5°	311360.4	372457.2	409825.2	421345.1	409825.2	372457.2	311360.4	244694.1	177690.6	116739.8	65236.2
-7.5°	263912.6	308529.9	336515.0	350626.1	336515.0	308529.9	263912.6	211204.6	150697.7	99092.4	56551.7
-10°	212554.7	246417.0	267291.0	275097.9	267291.0	246417.0	212554.7	166104.6	118957.3	77911.9	43570.6
-12.5°	155682.9	182653.5	198690.1	204876.8	198690.1	182653.5	155682.9	122316.8	86441.9	57605.6	33822.6
-15°	102757.9	122199.8	134535.1	138842.5	134535.1	122199.8	102757.9	80694.1	58983.0	39858.2	22332.7
-17.5°	62281.4	73013.4	80998.4	83012.6	80998.4	73013.4	62281.4	48229.8	36014.9	23448.9	13469.1
-20°	32958.2	37787.6	40484.7	42309.2	40484.7	37787.6	32958.2	24428.0	18467.0	11336.4	8414.1



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15624.7	18254.8	19466.9	20392.1	19466.9	18254.8	15624.7	11867.7	8933.3	7167.8	6043.9
-25°	7819.6	8363.6	8600.5	8931.5	8600.5	8363.6	7819.6	6934.8	5921.2	5511.2	5125.8
-27.5°	5484.8	5612.4	5662.7	5703.3	5662.7	5612.4	5484.8	5290.3	5002.5	4834.8	4592.9
-30°	4779.7	4800.7	4797.6	4794.6	4797.6	4800.7	4779.7	4719.9	4603.3	4483.6	4325.9
-32.5°	4473.9	4496.3	4494.6	4491.7	4494.6	4496.3	4473.9	4424.2	4378.3	4286.4	4138.4
-35°	4199.0	4228.1	4242.4	4249.0	4242.4	4228.1	4199.0	4163.0	4107.1	4018.5	3921.1
-37.5°	4058.1	4064.3	4047.8	4029.1	4047.8	4064.3	4058.1	4016.2	3941.0	3808.9	3720.6
-40°	4203.6	4302.1	4401.2	4431.5	4401.2	4302.1	4203.6	4149.4	4039.2	3869.4	3592.3
-42.5°	4313.6	4376.9	4405.5	4396.3	4405.5	4376.9	4313.6	4222.0	3943.8	3644.4	3246.8
-45°	3818.6	4015.0	4131.3	4159.8	4131.3	4015.0	3818.6	3565.9	3183.5	2740.7	2283.2
-47.5°	2596.9	2816.8	2955.4	3000.0	2955.4	2816.8	2596.9	2336.3	2025.7	1698.6	1391.0
-50°	1415.5	1443.2	1452.4	1444.0	1452.4	1443.2	1415.5	1386.5	1356.5	1323.8	1287.1
-52.5°	1367.0	1383.4	1394.0	1400.4	1394.0	1383.4	1367.0	1352.1	1336.9	1312.5	1284.6
-55°	1370.8	1391.9	1403.5	1408.7	1403.5	1391.9	1370.8	1346.6	1318.3	1269.0	1216.2
-57.5°	1276.1	1299.8	1311.3	1315.4	1311.3	1299.8	1276.1	1248.8	1217.9	1167.1	1111.4
-60°	1161.4	1183.9	1192.7	1195.0	1192.7	1183.9	1161.4	1136.4	1108.9	1064.1	1011.3
-62.5°	1065.7	1092.3	1103.7	1107.9	1103.7	1092.3	1065.7	1036.4	1004.8	958.5	904.6
-65°	908.5	931.2	938.9	939.8	938.9	931.2	908.5	882.0	852.0	810.1	758.8
-67.5°	705.6	726.1	733.3	734.4	733.3	726.1	705.6	681.9	655.3	621.6	580.5
-70°	473.0	482.8	487.0	487.6	487.0	482.8	473.0	460.0	443.9	422.0	392.5
-72.5°	272.4	278.3	280.3	280.1	280.3	278.3	272.4	264.3	253.9	240.2	221.6
-75°	137.9	143.5	144.8	145.2	144.8	143.5	137.9	131.5	124.4	116.7	108.8
-77.5°	77.4	82.2	82.9	83.0	82.9	82.2	77.4	72.5	67.5	62.8	59.3
-80°	51.8	53.7	53.9	53.9	53.9	53.7	51.8	49.9	47.8	45.6	43.4
-82.5°	39.1	41.3	41.5	41.5	41.5	41.3	39.1	36.9	34.6	32.3	30.9
-85°	29.4	31.0	32.1	33.2	32.1	31.0	29.4	27.8	26.1	24.5	23.3
-87.5°	23.5	25.0	26.0	27.0	26.0	25.0	23.5	22.0	20.5	19.0	18.4
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20.7	17.6	14.5	14.5	14.5	14.5	14.5	14.0	13.5	12.9	12.4
87.5°	3.0	3.5	3.9	3.9	4.0	4.0	4.1	4.6	5.2	5.7	6.2
85°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2
82.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.7	5.2	5.7	6.2
80°	3.2	3.7	4.1	4.4	4.6	4.7	4.8	5.1	5.4	5.8	6.2
77.5°	3.8	3.9	4.2	4.7	5.3	5.8	6.3	6.8	7.0	7.2	7.3
75°	4.8	5.0	5.4	6.1	6.4	6.2	6.4	6.9	7.5	8.0	8.3
72.5°	9.1	9.3	9.9	11.1	11.8	12.5	12.5	11.7	10.7	9.3	8.3
70°	13.2	14.5	16.8	19.7	21.5	22.4	22.8	21.8	19.0	16.8	13.8
67.5°	15.0	16.6	19.6	23.7	26.9	29.7	33.1	36.3	36.3	33.4	23.9
65°	14.8	17.5	20.5	23.1	26.6	31.3	38.3	42.9	45.9	47.1	38.7
62.5°	12.0	14.1	15.7	18.1	21.4	27.1	36.3	43.8	50.3	51.7	43.7
60°	9.8	10.5	12.0	13.6	15.2	20.2	30.1	40.5	51.4	49.9	44.7
57.5°	9.7	10.6	11.2	11.7	12.3	16.1	23.4	33.4	44.6	44.0	41.0
55°	10.3	11.4	12.4	12.6	12.5	14.4	17.4	23.6	32.7	35.4	34.2
52.5°	12.2	13.0	14.1	15.6	15.7	15.2	15.2	18.7	21.6	25.3	27.4
50°	14.5	15.4	15.9	16.2	17.7	18.0	17.4	17.2	18.9	20.4	21.1
47.5°	22.0	21.7	20.2	19.9	21.3	21.1	20.7	20.5	21.7	20.4	20.4
45°	35.6	34.0	30.9	30.3	29.4	28.8	26.6	27.9	28.0	26.7	22.6
42.5°	66.4	56.4	48.6	49.2	44.8	41.9	38.3	38.2	37.5	35.3	32.9
40°	101.2	100.2	91.2	83.2	76.0	62.3	56.1	50.5	48.9	46.1	46.0
37.5°	145.3	143.4	148.5	144.3	127.2	107.8	86.6	70.0	61.3	67.6	66.0
35°	211.1	212.8	226.5	212.1	198.9	189.0	145.9	105.4	91.4	101.6	94.4
32.5°	300.5	364.8	388.1	347.8	331.9	313.4	252.3	174.2	162.4	155.9	138.3
30°	699.8	639.2	636.5	626.4	602.2	521.4	401.4	397.2	325.0	227.7	195.6
27.5°	1149.1	993.7	954.5	1049.3	974.0	839.8	760.1	753.9	569.7	392.5	274.7
25°	1730.9	1580.5	1435.0	1514.2	1484.2	1245.3	1156.0	1138.4	983.3	620.1	373.3
22.5°	2405.3	2230.6	2057.6	1991.7	1919.1	1663.5	1513.8	1501.4	1437.5	891.7	558.3
20°	3024.3	2820.7	2600.0	2435.3	2233.5	1983.7	1816.6	1789.1	1616.1	1199.2	752.5
17.5°	4339.3	3439.7	3123.6	2865.4	2595.6	2286.7	2183.2	2067.3	1835.3	1464.1	939.5
15°	6753.2	4768.3	3848.8	3366.6	3074.6	2882.9	2677.1	2430.2	2092.1	1673.3	1196.4
12.5°	13237.9	6904.5	4735.7	4044.0	3796.3	3530.5	3246.7	2875.1	2416.1	2023.9	1588.2
10°	20281.8	10504.7	6287.2	4947.4	4515.2	4188.9	3755.3	3268.3	2797.7	2414.2	1986.4
7.5°	28571.0	15036.0	7891.1	5706.3	5063.7	4623.7	4108.4	3593.9	3132.2	2772.2	2382.2
5°	34853.8	18183.7	8951.4	6247.7	5457.3	5025.4	4444.3	3878.0	3426.8	3102.2	2764.8
2.5°	37485.4	19618.4	9620.9	6732.8	5804.8	5380.1	4761.7	4123.1	3652.7	3312.1	2974.8
0°	39724.1	20995.9	10186.7	6960.6	6085.1	5641.1	5056.0	4338.2	3842.3	3487.6	3151.5
-2.5°	37115.1	19518.9	9648.5	6805.2	5927.6	5435.9	5001.1	4460.1	3947.1	3553.0	3149.8
-5°	32963.9	16865.7	8983.7	6573.8	5778.3	5334.5	4981.9	4552.1	4030.9	3607.0	3100.0
-7.5°	28660.6	14259.7	8180.9	6281.5	5623.6	5276.6	4996.6	4612.2	4104.5	3703.5	3120.7
-10°	21690.2	11397.5	7504.6	6175.0	5596.3	5244.6	5027.9	4637.7	4170.0	3783.5	3078.0
-12.5°	17058.7	9078.2	6825.0	6120.2	5727.0	5374.0	5082.1	4614.5	4232.4	3849.1	2965.0
-15°	11064.9	7719.3	6465.1	6081.4	5838.6	5439.8	5063.5	4517.7	4120.8	3811.9	2776.7
-17.5°	8459.9	6592.6	5974.7	5741.3	5552.9	5377.7	4927.1	4361.7	3884.5	3440.0	2372.8
-20°	6462.9	5881.9	5541.0	5282.5	5057.7	4838.5	4610.5	4066.3	3584.1	2897.8	1962.6



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5621.5	5301.7	5051.2	4790.3	4425.5	4235.6	4016.2	3625.1	3219.0	2339.4	1565.6
-25°	4965.7	4765.0	4615.1	4334.7	3908.8	3641.6	3506.5	3222.4	2641.8	1846.4	1231.7
-27.5°	4498.7	4393.3	4272.6	4003.8	3630.8	3301.6	3099.0	2799.3	2076.9	1466.4	1153.5
-30°	4190.0	4145.1	4001.6	3754.5	3413.2	3104.7	2776.6	2207.7	1636.4	1177.7	1092.7
-32.5°	4031.3	3910.3	3733.8	3454.6	3171.9	2891.3	2314.1	1694.1	1242.2	1117.9	1048.5
-35°	3812.2	3605.7	3352.1	3149.2	2959.7	2407.0	1816.2	1323.5	1124.2	1066.3	1010.3
-37.5°	3538.8	3238.6	3048.8	2831.6	2369.0	1854.6	1370.6	1157.2	1081.6	1028.8	951.3
-40°	3312.1	3020.0	2587.9	2198.0	1764.9	1326.0	1188.7	1118.1	1057.1	976.3	879.6
-42.5°	2771.5	2341.0	1949.4	1559.7	1256.1	1204.0	1148.0	1089.9	1010.9	905.5	803.8
-45°	1928.9	1592.3	1292.8	1247.1	1199.6	1157.7	1115.0	1030.2	930.2	829.3	726.3
-47.5°	1310.6	1272.5	1231.0	1193.7	1158.0	1110.7	1030.1	939.5	845.5	750.2	659.6
-50°	1255.6	1231.6	1199.4	1151.5	1085.2	1013.5	933.4	847.1	762.8	680.4	594.0
-52.5°	1248.3	1190.8	1128.6	1060.9	988.8	915.9	838.3	765.8	690.7	610.9	530.2
-55°	1160.1	1097.7	1031.5	961.9	890.6	825.3	758.3	688.6	615.8	540.1	471.9
-57.5°	1052.6	992.3	931.5	868.0	802.1	736.8	670.9	604.5	541.7	477.6	415.5
-60°	954.5	894.5	835.6	772.4	704.8	639.8	584.4	528.0	470.7	418.3	365.5
-62.5°	850.8	797.4	733.9	668.9	608.8	554.8	503.2	453.3	407.5	361.0	299.6
-65°	706.3	652.9	600.9	551.2	504.1	460.3	417.0	369.2	319.7	272.2	220.1
-67.5°	539.2	498.3	459.9	421.7	379.9	338.1	295.1	253.7	218.3	184.3	144.7
-70°	360.6	326.6	293.2	261.2	234.1	208.8	181.9	154.1	125.7	105.8	87.5
-72.5°	201.8	181.2	161.3	142.3	122.0	109.0	98.1	86.2	73.0	58.6	48.1
-75°	100.4	91.3	82.5	75.0	67.1	58.6	53.7	49.9	46.3	42.9	39.6
-77.5°	55.7	52.2	49.1	47.3	45.4	43.2	40.7	38.3	36.3	34.3	32.2
-80°	41.2	38.9	36.7	35.5	34.2	33.0	31.7	30.2	28.5	27.0	25.9
-82.5°	29.5	28.1	26.7	26.2	25.6	25.1	24.5	23.6	22.8	22.1	21.4
-85°	22.1	21.0	19.9	19.6	19.3	18.9	18.5	18.1	17.8	17.4	17.1
-87.5°	17.8	17.2	16.4	15.9	15.4	14.9	14.5	14.4	14.3	14.1	13.9
-90°	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.6	5.2	5.7	6.2



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.9	11.4	10.9	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
87.5°	6.2	6.2	6.2	6.2	6.5	6.7	6.9	7.1	7.3	7.6	7.9
85°	6.2	6.2	6.2	6.2	6.7	7.3	7.7	8.0	7.9	8.0	8.1
82.5°	6.2	6.2	6.2	6.2	6.8	7.3	7.8	8.3	8.3	8.3	8.3
80°	6.2	6.2	6.2	6.3	6.8	7.3	7.9	8.3	8.3	8.3	8.3
77.5°	7.0	6.6	6.3	6.3	6.9	7.4	7.9	8.3	8.3	8.3	8.3
75°	8.3	7.9	7.5	7.2	7.2	7.4	7.9	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	7.9	7.9	8.1	8.3	8.3	8.3	8.3
70°	11.0	8.8	8.3	8.3	8.3	8.3	8.2	8.4	8.3	8.3	8.3
67.5°	15.7	12.4	10.0	8.5	8.3	8.3	8.3	8.6	8.6	8.3	8.3
65°	27.6	18.6	12.2	10.2	8.8	8.3	8.3	8.7	9.0	8.8	8.3
62.5°	35.6	26.9	18.5	12.7	9.7	8.6	8.3	8.8	9.3	9.2	8.7
60°	39.5	31.1	24.5	18.1	12.2	8.8	8.5	8.9	9.4	9.8	9.2
57.5°	36.5	33.3	28.5	22.7	16.5	10.7	8.6	9.0	9.5	10.0	9.8
55°	31.4	29.1	30.4	26.3	20.2	14.0	9.7	9.2	9.6	10.1	10.3
52.5°	26.1	26.8	29.0	28.5	23.4	17.2	12.4	9.3	9.7	10.2	10.4
50°	21.7	25.5	28.4	29.0	26.1	20.1	14.6	10.9	9.9	10.3	10.4
47.5°	20.9	25.3	27.9	30.0	28.1	22.9	16.9	12.4	10.0	10.4	10.4
45°	24.8	26.7	28.7	30.2	29.9	24.6	19.2	13.6	10.9	10.5	10.4
42.5°	30.6	31.2	31.6	30.9	30.4	25.6	21.1	15.2	11.6	10.6	10.5
40°	42.0	37.7	36.1	36.0	31.9	26.3	21.9	16.8	12.1	11.0	10.6
37.5°	55.2	48.0	43.0	45.7	36.6	28.9	22.1	18.2	13.4	11.8	10.8
35°	78.6	61.6	58.1	59.5	48.9	32.5	22.1	18.9	15.6	12.8	11.1
32.5°	106.9	90.5	86.5	76.0	64.7	37.2	24.3	20.6	17.8	13.8	11.3
30°	158.1	144.3	124.6	95.1	82.8	51.8	29.5	22.7	20.1	14.9	11.8
27.5°	236.1	206.5	172.6	129.1	101.0	69.6	36.0	25.2	22.5	16.4	12.7
25°	318.6	278.0	232.3	173.2	120.8	93.5	42.3	28.1	24.7	18.3	13.6
22.5°	410.5	351.5	297.3	222.8	152.4	121.0	55.1	33.4	26.9	20.2	14.5
20°	503.3	425.2	369.4	278.4	195.4	147.5	76.0	38.5	29.2	22.1	15.5
17.5°	609.0	517.6	454.4	344.1	242.8	176.4	98.4	43.3	31.7	23.9	16.4
15°	820.3	631.6	544.3	416.0	288.2	207.2	121.7	47.8	34.3	25.7	17.3
12.5°	1076.4	744.1	638.6	492.3	331.5	239.2	145.4	51.9	36.9	27.5	18.1
10°	1358.5	854.6	735.3	570.7	372.5	271.6	168.8	58.3	40.9	29.3	18.8
7.5°	1653.3	962.3	832.5	648.9	415.8	315.3	215.7	70.1	45.3	31.0	19.4
5°	1921.9	1061.5	930.0	742.1	482.3	369.0	266.9	82.2	49.7	32.6	19.9
2.5°	2059.4	1147.5	1023.1	831.4	546.6	420.3	316.8	94.3	54.0	34.0	20.3
0°	2159.8	1228.2	1110.0	912.9	607.9	468.9	363.1	105.8	58.1	35.3	20.7
-2.5°	2126.8	1248.8	1134.1	951.5	672.5	518.4	401.7	136.6	75.9	45.7	25.6
-5°	2061.5	1265.7	1153.4	983.5	732.2	564.7	433.8	165.7	92.9	55.6	30.2
-7.5°	2032.8	1274.2	1165.3	1008.5	785.8	607.3	459.1	192.4	108.7	64.8	34.5
-10°	1969.3	1276.1	1167.5	1007.4	789.7	624.2	472.8	215.8	123.0	73.0	38.3
-12.5°	1847.1	1275.3	1168.2	997.0	779.5	617.1	454.4	229.7	135.4	80.0	41.5
-15°	1660.4	1272.3	1168.3	976.6	762.7	606.5	434.0	238.0	145.2	86.2	44.0
-17.5°	1395.0	1267.2	1168.8	945.5	739.2	592.3	412.6	243.5	153.2	92.0	46.8
-20°	1292.5	1233.2	1162.6	903.4	708.7	574.4	391.3	246.3	159.3	96.3	49.5



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1231.1	1174.7	1072.5	863.1	677.7	552.8	371.0	246.2	163.4	98.9	50.8
-25°	1162.3	1113.8	978.4	801.4	650.7	521.1	359.9	243.1	165.5	99.8	50.8
-27.5°	1093.1	1040.7	891.3	740.1	614.6	493.4	354.2	244.2	165.7	98.9	49.2
-30°	1023.6	947.0	819.2	684.1	576.6	458.0	345.0	242.9	164.2	96.9	45.9
-32.5°	973.2	865.3	752.2	640.0	535.2	421.3	324.2	238.8	160.1	93.2	44.3
-35°	911.7	799.5	689.1	594.4	492.2	390.3	299.9	231.8	153.5	87.1	42.6
-37.5°	847.1	738.2	638.1	547.0	448.4	357.4	279.7	214.0	144.4	78.6	40.0
-40°	778.3	678.1	587.8	498.6	408.7	322.8	257.9	194.3	132.6	67.6	36.4
-42.5°	707.5	620.1	535.1	449.7	369.2	296.9	234.5	172.9	114.3	60.0	31.9
-45°	641.2	559.9	480.8	405.1	329.9	269.6	208.9	149.9	94.5	53.7	28.4
-47.5°	573.0	500.2	429.7	360.0	298.5	240.2	181.3	126.8	73.9	46.1	27.2
-50°	508.6	443.8	381.5	322.1	266.0	207.7	152.7	102.6	63.0	36.6	25.7
-52.5°	455.3	393.1	338.3	285.7	229.0	173.1	125.1	78.8	51.2	31.9	24.0
-55°	405.4	346.9	297.9	243.8	189.1	141.0	96.6	64.2	38.5	29.3	22.1
-57.5°	359.4	303.7	249.8	197.4	150.6	108.5	74.5	48.6	33.2	26.5	21.0
-60°	309.9	249.0	196.4	152.9	112.5	80.3	55.5	36.3	30.0	24.0	19.6
-62.5°	242.0	189.8	146.6	108.7	80.7	57.9	38.5	32.6	26.7	22.3	18.2
-65°	174.8	133.3	97.4	76.3	55.5	39.7	34.3	28.9	24.5	20.6	16.9
-67.5°	107.9	86.8	66.9	48.1	39.9	34.8	30.0	26.2	22.6	18.9	15.9
-70°	69.0	51.6	43.5	38.8	34.2	30.1	27.2	24.0	20.5	17.7	14.9
-72.5°	44.3	40.4	36.4	32.5	29.9	27.3	24.6	21.8	19.2	16.5	13.8
-75°	36.2	33.5	31.3	29.2	26.8	24.4	22.3	20.3	17.8	15.3	13.1
-77.5°	30.3	28.6	27.2	25.5	23.4	21.6	20.1	18.8	16.5	14.4	12.5
-80°	24.9	23.8	22.5	21.0	19.7	18.7	18.0	17.2	15.2	13.4	11.8
-82.5°	20.3	19.3	18.3	17.5	17.1	16.6	16.1	15.5	13.9	12.5	11.3
-85°	16.5	16.0	15.5	15.1	14.8	14.5	14.2	13.8	12.7	11.8	11.0
-87.5°	13.7	13.4	13.1	12.8	12.6	12.4	12.3	12.1	11.6	11.1	10.7
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	9.9	9.4	8.8	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
67.5°	8.4	8.3	8.3	8.3	8.3	8.3	8.3
65°	8.4	8.4	8.3	8.3	8.3	8.3	8.3
62.5°	8.6	8.5	8.3	8.3	8.3	8.3	8.3
60°	8.7	8.7	8.3	8.3	8.3	8.3	8.3
57.5°	9.1	8.9	8.5	8.3	8.3	8.3	8.3
55°	9.5	9.1	8.7	8.3	8.4	8.3	8.3
52.5°	9.9	9.4	8.9	8.3	8.4	8.3	8.3
50°	10.2	9.6	9.2	8.3	8.4	8.3	8.3
47.5°	10.4	9.8	9.4	8.3	8.5	8.3	8.3
45°	10.4	10.0	9.7	8.5	8.6	8.3	8.3
42.5°	10.4	10.2	9.9	8.7	8.6	8.3	8.3
40°	10.4	10.3	10.1	9.0	8.7	8.3	8.3
37.5°	10.4	10.4	10.2	9.2	8.8	8.3	8.3
35°	10.4	10.4	10.3	9.4	8.9	8.3	8.3
32.5°	10.5	10.4	10.3	9.6	9.0	8.3	8.3
30°	10.7	10.4	10.4	9.8	9.1	8.3	8.3
27.5°	10.9	10.4	10.4	9.9	9.2	8.3	8.3
25°	11.1	10.4	10.4	10.0	9.3	8.3	8.3
22.5°	11.4	10.4	10.4	10.1	9.4	8.3	8.3
20°	11.6	10.6	10.4	10.2	9.5	8.3	8.3
17.5°	12.0	10.8	10.4	10.3	9.6	8.3	8.3
15°	12.4	11.0	10.4	10.3	9.7	8.3	8.3
12.5°	12.8	11.2	10.4	10.4	9.9	8.3	8.3
10°	13.2	11.4	10.4	10.4	10.0	8.3	8.3
7.5°	13.6	11.7	10.4	10.4	10.1	8.3	8.3
5°	13.9	11.9	10.4	10.4	10.2	8.3	8.3
2.5°	14.2	12.2	10.4	10.4	10.3	8.3	8.3
0°	14.5	12.4	10.4	10.4	10.4	8.3	8.3
-2.5°	16.2	12.9	10.6	10.5	10.4	8.3	8.3
-5°	17.7	13.3	10.8	10.7	10.4	8.4	8.3
-7.5°	19.2	13.7	10.9	10.8	10.4	8.4	8.3
-10°	20.6	14.0	11.1	10.9	10.3	8.5	8.3
-12.5°	21.7	14.3	11.3	11.0	10.3	8.5	8.3
-15°	22.6	14.6	11.4	11.1	10.3	8.6	8.3
-17.5°	23.3	14.7	11.6	11.2	10.3	8.6	8.3
-20°	23.9	14.8	11.8	11.2	10.2	8.6	8.3



REPORT NUMBER: P731695 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.8	14.9	11.9	11.3	10.2	8.7	8.3
-25°	25.1	15.1	12.1	11.3	10.2	8.7	8.3
-27.5°	24.9	15.3	12.3	11.3	10.1	8.7	8.3
-30°	24.1	15.4	12.4	11.3	10.1	8.8	8.3
-32.5°	22.7	15.4	12.7	11.3	10.1	8.8	8.3
-35°	22.1	15.2	12.9	11.2	10.1	8.8	8.3
-37.5°	21.9	15.1	13.0	11.1	10.1	8.8	8.3
-40°	21.5	15.3	13.1	11.0	10.0	8.8	8.3
-42.5°	20.9	15.3	13.0	10.8	10.0	8.8	8.3
-45°	20.0	15.3	12.8	10.7	10.0	8.8	8.3
-47.5°	19.0	15.2	12.6	10.6	10.0	8.8	8.3
-50°	18.6	14.9	12.4	10.5	10.0	8.8	8.3
-52.5°	18.1	14.6	12.1	10.6	10.1	8.8	8.3
-55°	17.4	14.2	11.8	10.6	10.1	8.8	8.3
-57.5°	16.6	13.7	11.5	10.6	10.1	8.8	8.3
-60°	15.7	13.2	11.1	10.5	10.1	8.8	8.3
-62.5°	14.9	12.6	11.1	10.5	10.0	8.7	8.3
-65°	14.1	12.0	11.0	10.5	9.9	8.7	8.3
-67.5°	13.3	11.6	10.8	10.5	9.8	8.7	8.3
-70°	12.4	11.3	10.7	10.4	9.6	8.6	8.3
-72.5°	11.9	11.1	10.6	10.2	9.5	8.6	8.3
-75°	11.4	10.8	10.4	10.0	9.3	8.6	8.3
-77.5°	10.9	10.5	10.2	9.8	9.2	8.5	8.3
-80°	10.5	10.3	10.1	9.6	9.0	8.5	8.3
-82.5°	10.4	10.2	9.9	9.4	8.8	8.4	8.3
-85°	10.4	10.1	9.7	9.2	8.7	8.4	8.3
-87.5°	10.4	10.0	9.5	9.0	8.5	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

