

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: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-3S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-3S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

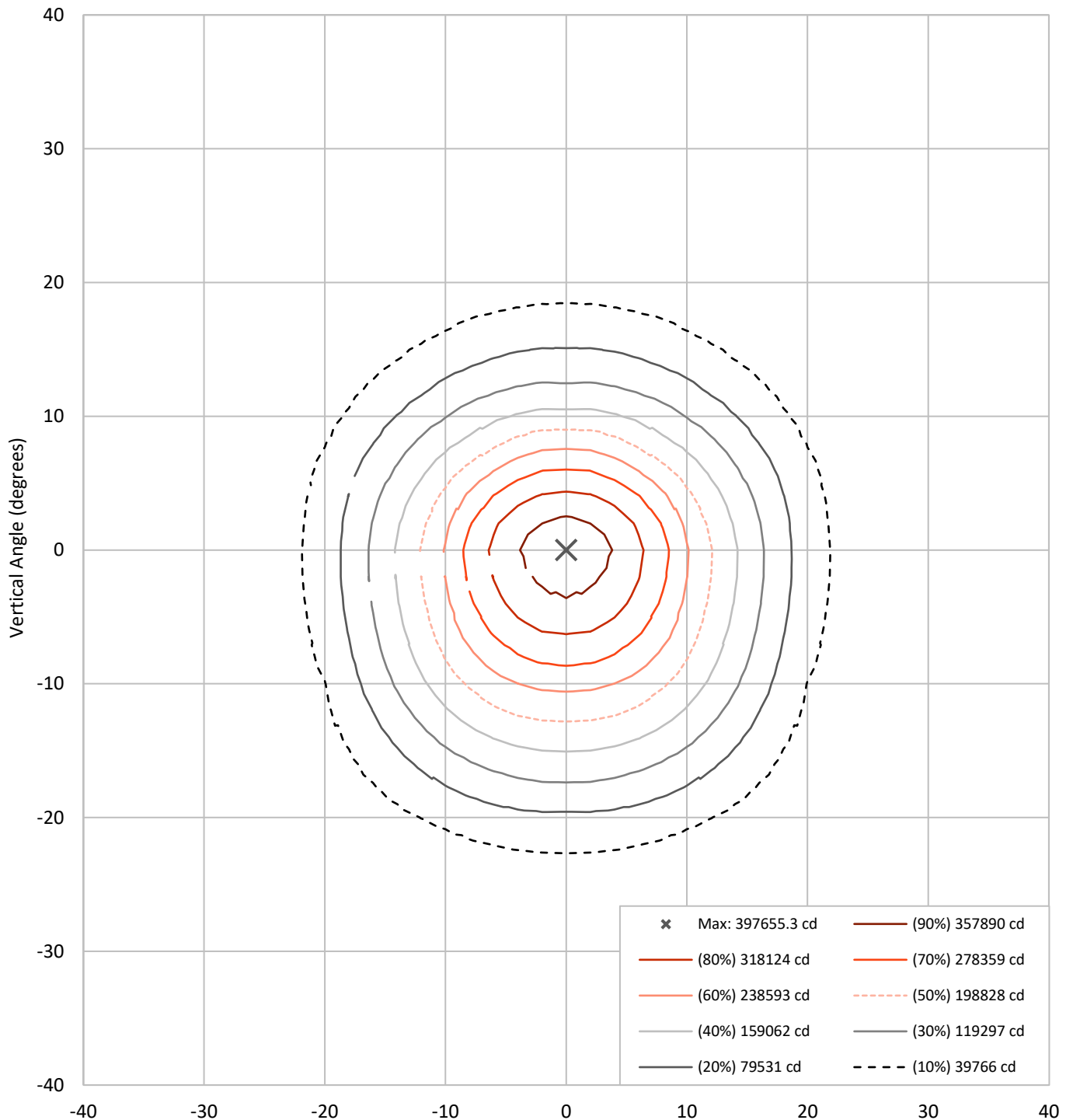
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	78492.3 lumens	Max Intensity:	397655.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	35566 lumens	Field Lumens:	67305.7 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





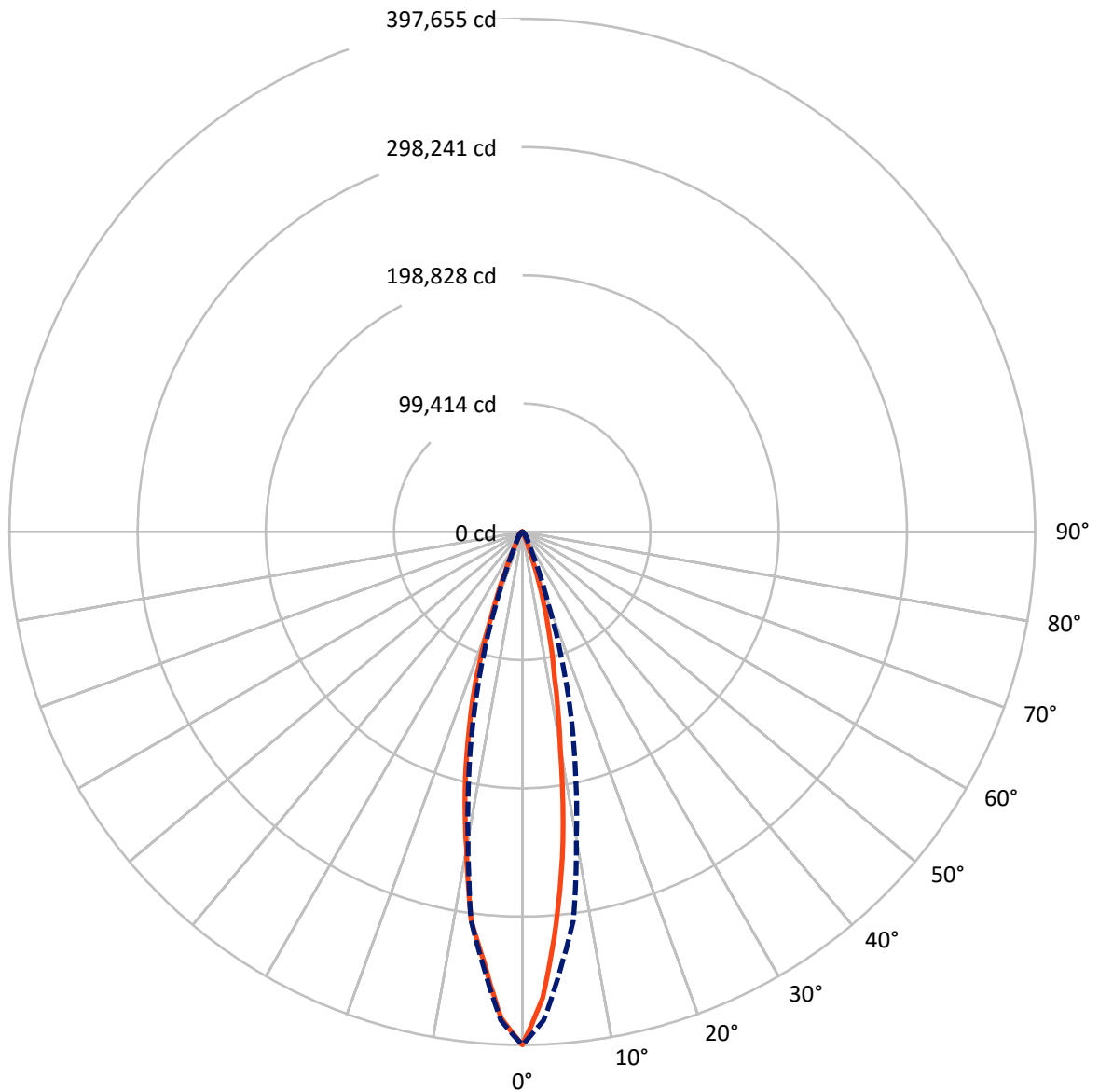
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Lumen Table

90	0.2	0.6	0.8	0.7	0.5	0.7	0.8	0.6	0.2								
80	0.2	0.6	0.8	0.7	0.5	0.7	0.8	0.6	0.2								
70	0.3	0.1	0.2	0.6	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.6	0.2	0.1	0.3	
60		0.2	0.4	0.7	0.5	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.7	0.4	0.2		
50	0.3	0.2	0.5	0.6	0.7	1.0	1.3	1.5	1.5	1.3	1.0	0.7	0.6	0.5	0.2	0.3	
40		0.3	1.0	2.1	4.2	6.6	8.4	10.2	10.2	8.4	6.6	4.2	2.1	1.0	0.3		
30	0.3	0.5	3.2	10.4	27.3	47.0	107.9	225.4	225.4	107.9	47.0	27.3	10.4	3.2	0.5	0.3	
20		1.1	7.7	27.8	68.7	188.4	990.5	2325.7	2325.7	990.5	188.4	68.7	27.8	7.7	1.1		
10	0.4	2.1	13.6	52.1	125.9	567.3	3419.0	7821.4	7821.4	3419.0	567.3	125.9	52.1	13.6	2.1	0.4	
0		3.4	18.1	63.0	144.4	612.3	3945.6	8891.3	8891.3	3945.6	612.3	144.4	63.0	18.1	3.4		
-10	0.7	4.0	18.4	59.9	132.6	356.9	2017.5	4417.2	4417.2	2017.5	356.9	132.6	59.9	18.4	4.0	0.7	
-20		3.8	15.3	39.1	91.3	161.0	369.9	753.7	753.7	369.9	161.0	91.3	39.1	15.3	3.8		
-30	0.6	3.2	11.0	24.0	53.0	94.7	131.0	158.5	158.5	131.0	94.7	53.0	24.0	11.0	3.2	0.6	
-40		2.2	7.7	16.8	30.4	52.3	84.9	110.5	110.5	84.9	52.3	30.4	16.8	7.7	2.2		
-50	0.3	1.1	4.8	11.0	19.9	29.9	38.9	44.8	44.8	38.9	29.9	19.9	11.0	4.8	1.1	0.3	
-60		0.4	1.8	5.6	11.2	17.9	24.7	28.8	28.8	24.7	17.9	11.2	5.6	1.8	0.4		
-70	0.2	1.1	3.9	10.8	15.5	10.8	3.9	1.1	0.2							0.2	
-80		1.1	3.9	10.8	15.5	10.8	3.9	1.1	0.2								
-90	0.2	1.1	3.9	10.8	15.5	10.8	3.9	1.1	0.2								

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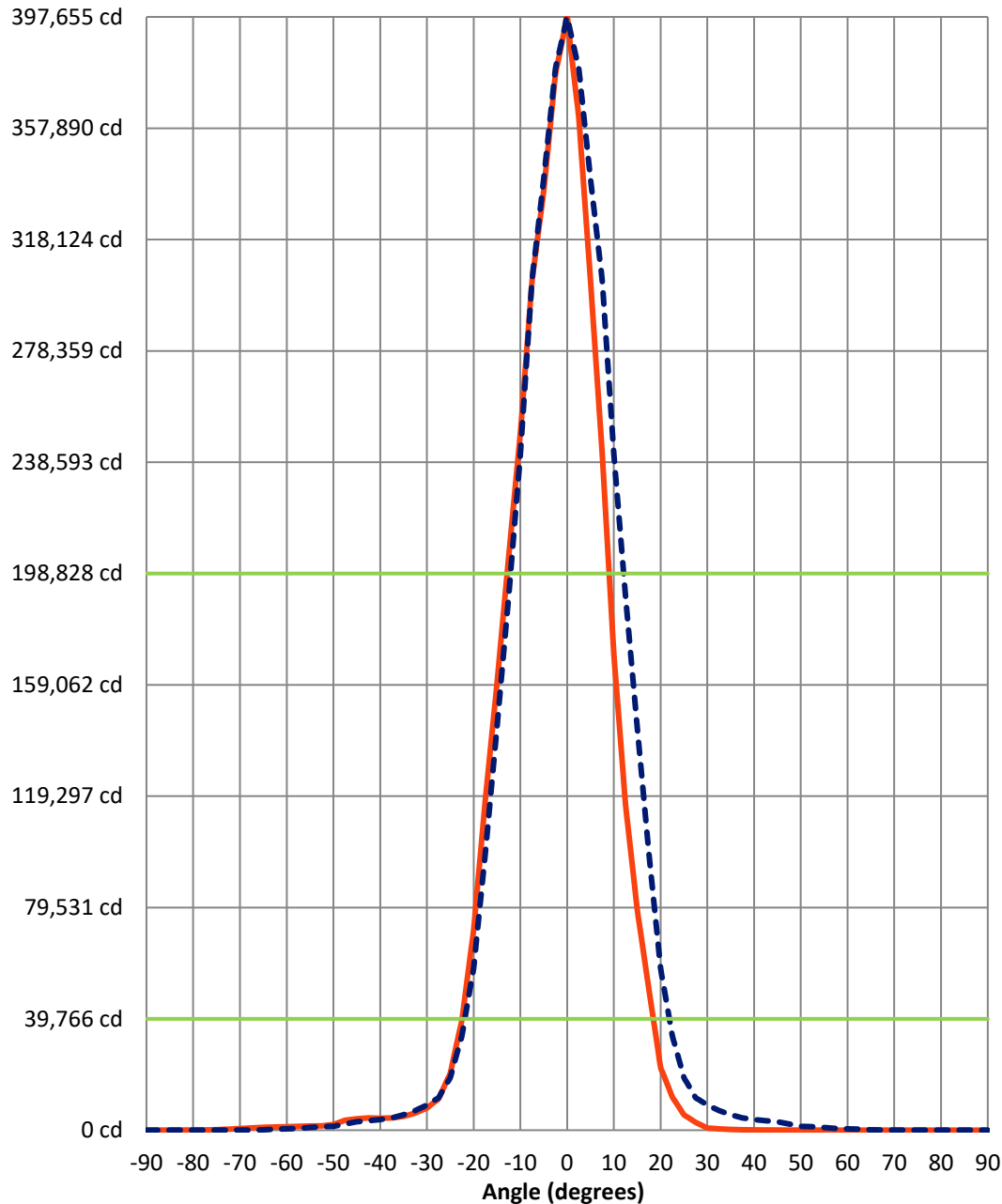
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24.2°
V Angle: 21.8°
Lumens: 35566
Efficiency: 45.3%

Field:
H Angle: 43.8°
V Angle: 40.9°
Lumens: 67305.7
Efficiency: 85.7%

Spill:
Lumens: 11186.6
Efficiency: 14.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.7	11.3	11.8	12.3
87.5°	10.2	10.2	10.4	10.4	10.4	10.3	10.2	10.2	10.2	10.2	10.2
85°	10.2	10.3	10.6	10.6	10.6	10.4	10.2	10.2	10.2	10.2	10.2
82.5°	10.2	10.3	10.7	10.8	10.8	10.6	10.2	10.2	10.2	10.3	10.2
80°	10.2	10.4	10.9	11.0	10.9	10.7	10.3	10.5	10.6	10.5	10.2
77.5°	10.2	10.4	11.1	11.2	11.1	10.9	10.8	11.0	11.0	10.8	10.3
75°	10.2	10.5	11.2	11.5	11.3	11.2	11.4	11.5	11.4	10.9	10.4
72.5°	10.2	10.5	11.4	11.7	11.5	11.6	11.9	11.9	11.4	10.9	10.4
70°	10.2	10.5	11.5	11.9	11.7	11.9	12.3	12.0	11.5	11.0	10.5
67.5°	10.2	10.6	11.7	12.0	11.9	12.2	12.3	12.0	11.5	11.1	10.6
65°	10.2	10.6	11.8	12.0	12.0	12.3	12.3	12.1	11.6	11.1	10.8
62.5°	10.2	10.6	11.9	12.1	12.2	12.3	12.3	12.2	11.7	11.3	11.5
60°	10.2	10.7	12.0	12.1	12.3	12.3	12.3	12.2	11.8	11.7	12.1
57.5°	10.2	10.7	12.0	12.2	12.3	12.3	12.3	12.3	12.0	12.1	12.3
55°	10.2	10.7	12.0	12.2	12.3	12.3	12.3	12.3	12.1	12.3	12.3
52.5°	10.2	10.7	12.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
50°	10.2	10.7	11.9	12.3	12.3	12.3	12.3	12.4	12.3	12.3	13.2
47.5°	10.2	10.7	11.9	12.3	12.3	12.3	12.3	12.6	12.3	12.3	14.1
45°	10.2	10.7	11.9	12.3	12.3	12.3	12.5	12.7	12.4	12.9	14.9
42.5°	10.2	10.7	11.9	12.3	12.3	12.3	12.7	12.9	12.5	13.5	15.6
40°	10.2	10.7	11.9	12.3	12.3	12.3	12.9	13.0	12.8	14.0	16.2
37.5°	10.2	10.7	12.0	12.3	12.3	12.3	13.1	13.1	13.4	14.6	16.5
35°	10.2	10.7	12.0	12.3	12.3	12.4	13.4	13.2	14.0	15.5	16.6
32.5°	10.2	10.7	12.0	12.3	12.3	12.6	13.7	13.4	14.5	16.5	18.0
30°	10.2	10.7	12.0	12.3	12.3	12.9	13.8	13.6	15.1	17.5	19.9
27.5°	10.2	10.6	12.0	12.3	12.3	13.1	13.9	14.0	15.7	18.7	22.1
25°	10.2	10.6	12.1	12.3	12.3	13.3	14.0	14.5	16.6	20.3	24.9
22.5°	10.2	10.6	12.1	12.3	12.3	13.5	14.1	14.9	17.6	22.4	30.4
20°	10.2	10.5	12.1	12.3	12.3	13.7	14.3	15.3	18.6	24.6	35.6
17.5°	10.2	10.5	12.2	12.3	12.3	13.8	14.4	15.6	19.6	26.9	40.7
15°	10.2	10.5	12.2	12.3	12.3	14.0	14.6	16.0	20.6	29.4	45.6
12.5°	10.2	10.4	12.2	12.3	12.3	14.1	14.9	16.5	22.3	31.9	50.1
10°	10.2	10.4	12.2	12.3	12.3	14.1	15.2	16.9	24.8	36.8	58.1
7.5°	10.2	10.3	12.3	12.3	12.3	14.2	15.5	17.3	27.3	42.1	74.5
5°	10.2	10.3	12.3	12.3	12.3	14.3	15.8	17.7	29.9	47.3	91.5
2.5°	10.2	10.2	12.3	12.3	12.3	14.3	16.1	18.1	32.4	52.5	108.6
0°	10.2	10.2	12.3	12.3	12.3	14.3	16.4	18.4	34.8	57.3	124.9
-2.5°	10.2	10.2	12.3	12.3	12.3	14.3	18.0	24.5	46.2	76.1	151.8
-5°	10.2	10.2	12.3	12.3	12.3	14.3	19.6	30.4	57.1	94.2	176.9
-7.5°	10.2	10.2	12.3	12.3	12.3	14.2	21.0	35.8	67.2	111.1	199.7
-10°	10.2	10.2	12.2	12.3	12.3	14.1	22.1	40.7	76.4	126.5	219.9
-12.5°	10.2	10.2	12.2	12.3	12.3	14.1	23.1	44.9	84.4	140.0	233.9
-15°	10.2	10.2	12.2	12.3	12.3	14.0	23.7	48.1	91.6	150.8	243.7
-17.5°	10.2	10.2	12.1	12.3	12.3	13.8	23.9	51.1	98.0	159.9	250.7
-20°	10.2	10.2	12.0	12.3	12.3	13.7	24.3	53.7	102.6	167.1	254.8



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.2	10.2	12.0	12.3	12.3	13.5	25.0	55.1	105.4	172.3	255.8
-25°	10.2	10.2	11.9	12.3	12.3	13.8	25.0	55.1	106.3	175.5	253.6
-27.5°	10.2	10.2	11.8	12.3	12.3	14.0	24.3	53.6	105.0	176.4	255.9
-30°	10.2	10.2	11.7	12.3	12.3	14.2	22.9	50.7	102.8	174.6	255.8
-32.5°	10.2	10.2	11.6	12.3	12.5	14.2	20.6	48.5	99.3	169.8	252.9
-35°	10.2	10.2	11.5	12.3	12.7	14.0	19.8	45.9	93.5	162.0	247.0
-37.5°	10.2	10.2	11.4	12.3	12.8	13.9	19.6	42.0	85.6	151.2	228.7
-40°	10.2	10.2	11.3	12.3	12.9	14.1	19.2	36.9	75.4	139.4	207.7
-42.5°	10.2	10.2	11.2	12.3	13.0	14.2	18.5	30.6	66.6	122.8	185.4
-45°	10.2	10.2	11.1	12.4	13.1	14.3	17.5	25.8	58.0	104.2	162.1
-47.5°	10.2	10.2	10.9	12.4	13.1	14.4	16.3	24.3	47.6	84.3	139.6
-50°	10.2	10.2	10.8	12.3	13.2	14.4	16.1	22.5	35.4	70.3	115.5
-52.5°	10.2	10.2	10.7	12.1	13.2	14.4	16.0	20.3	29.6	55.2	90.8
-55°	10.2	10.2	10.5	11.9	13.1	14.3	15.9	18.0	26.4	39.2	72.4
-57.5°	10.2	10.2	10.4	11.8	13.1	14.2	15.8	17.8	22.9	32.2	52.9
-60°	10.2	10.2	10.2	11.6	13.0	14.1	15.6	17.4	19.8	27.6	37.3
-62.5°	10.2	10.2	10.2	11.3	12.7	13.9	15.3	17.0	19.0	22.7	31.5
-65°	10.2	10.2	10.2	11.1	12.5	13.7	15.0	16.4	18.1	20.7	25.3
-67.5°	10.2	10.2	10.2	10.9	12.2	13.4	14.6	15.8	17.1	19.2	22.0
-70°	10.2	10.2	10.2	10.7	11.9	13.0	14.2	15.2	16.3	17.7	20.0
-72.5°	10.2	10.2	10.2	10.6	11.6	12.7	13.7	14.5	15.4	16.5	17.9
-75°	10.2	10.2	10.2	10.6	11.2	12.3	13.3	13.9	14.4	15.2	16.3
-77.5°	10.2	10.2	10.2	10.5	11.1	11.9	12.8	13.3	13.7	14.1	14.7
-80°	10.2	10.2	10.2	10.5	10.9	11.5	12.3	12.7	13.0	13.3	13.7
-82.5°	10.2	10.2	10.2	10.4	10.7	11.2	11.8	12.1	12.3	12.6	12.8
-85°	10.2	10.2	10.2	10.3	10.6	10.9	11.3	11.7	12.0	12.2	12.3
-87.5°	10.2	10.2	10.2	10.3	10.4	10.5	10.7	11.2	11.6	12.0	12.3
-90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.8	11.3	10.7	10.2	10.2	10.2	10.2	10.2	9.7	9.2	8.7
87.5°	9.7	9.2	8.7	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.6
85°	9.7	9.2	8.8	8.5	8.5	8.5	8.4	8.2	7.7	7.2	6.6
82.5°	9.9	9.7	9.6	9.6	9.5	9.2	8.7	8.2	7.7	7.2	6.7
80°	10.1	10.2	10.2	10.2	9.8	9.3	8.8	8.3	7.8	7.2	6.7
77.5°	10.2	10.2	10.2	10.2	9.8	9.3	8.8	8.3	7.8	7.3	6.8
75°	10.2	10.2	10.2	10.2	9.9	9.4	8.9	8.8	8.7	8.5	8.4
72.5°	10.2	10.2	10.2	10.2	10.0	9.8	9.8	10.0	10.4	10.6	10.4
70°	10.2	10.2	10.4	10.4	10.2	10.4	11.3	12.4	13.4	14.4	17.0
67.5°	10.3	10.8	10.9	10.8	11.0	12.0	13.3	18.8	25.5	28.6	30.2
65°	11.2	11.6	11.5	11.7	12.2	16.1	22.1	30.0	38.6	40.7	40.4
62.5°	12.1	12.0	12.1	13.3	16.5	21.9	30.2	39.2	48.9	47.0	40.6
60°	12.3	12.2	13.6	16.7	20.9	28.3	37.7	42.2	45.3	45.2	37.2
57.5°	12.3	13.3	16.2	20.4	26.7	32.8	34.9	37.5	39.7	40.9	32.1
55°	12.8	15.1	18.8	24.6	29.4	28.6	29.7	31.5	32.9	31.1	23.1
52.5°	14.2	16.8	21.7	26.9	27.9	25.7	24.2	25.4	24.3	21.1	17.4
50°	15.4	19.0	23.9	27.3	26.6	23.1	20.0	20.5	19.5	17.0	14.9
47.5°	16.8	20.8	25.7	27.9	25.0	22.7	20.0	19.2	18.2	19.0	17.9
45°	18.0	22.2	27.5	26.9	25.1	24.3	23.1	20.3	23.4	24.6	24.3
42.5°	18.9	23.3	27.4	26.4	27.9	28.6	28.2	29.3	31.2	34.0	35.2
40°	19.5	24.0	28.4	31.4	32.3	35.0	38.9	41.9	43.0	47.1	49.8
37.5°	19.8	26.2	32.6	40.5	39.5	45.3	51.6	62.7	66.0	62.0	69.7
35°	19.8	29.6	43.8	54.6	56.1	58.7	75.2	92.0	102.3	92.1	101.6
32.5°	21.9	34.3	58.1	73.4	84.3	87.1	103.5	138.0	155.7	158.2	159.2
30°	27.1	47.5	75.7	95.7	120.6	140.7	156.5	196.2	224.6	295.0	351.8
27.5°	33.7	63.5	96.9	129.1	166.5	203.7	241.3	272.6	364.4	496.7	644.1
25°	40.1	86.6	120.4	170.3	227.1	281.5	332.0	374.8	553.9	824.8	1006.1
22.5°	52.8	113.9	154.2	216.1	293.9	365.5	427.8	540.8	791.4	1192.5	1387.5
20°	73.3	142.8	195.9	271.2	368.7	452.3	525.3	714.3	1079.9	1456.1	1698.0
17.5°	95.8	173.1	241.3	340.7	465.4	557.8	632.6	883.1	1359.7	1719.1	1965.6
15°	119.5	204.2	286.1	416.3	571.2	685.8	837.7	1145.5	1606.8	1977.4	2279.7
12.5°	143.9	235.8	329.9	496.0	683.7	815.1	1087.8	1534.2	1945.9	2268.9	2721.3
10°	168.2	267.1	372.3	577.6	800.1	944.5	1362.8	1918.3	2316.2	2648.5	3168.7
7.5°	215.6	311.3	417.9	658.8	917.4	1072.6	1651.2	2292.1	2662.9	3001.2	3549.3
5°	266.8	368.1	488.8	759.8	1033.7	1188.1	1919.2	2648.4	2988.1	3328.7	3872.2
2.5°	316.3	422.8	557.2	857.9	1142.8	1282.1	2079.3	2846.4	3199.0	3583.1	4146.9
0°	362.4	475.0	622.4	947.9	1242.7	1369.7	2209.1	3013.7	3376.1	3795.8	4387.5
-2.5°	399.5	526.0	683.5	999.0	1277.4	1419.6	2235.7	3075.2	3467.6	3917.1	4503.0
-5°	430.6	573.5	739.9	1041.2	1304.3	1463.5	2230.4	3097.1	3544.3	4009.1	4608.2
-7.5°	454.8	616.5	790.9	1071.8	1318.3	1484.4	2223.8	3126.3	3628.4	4071.8	4693.4
-10°	468.2	634.2	801.8	1067.6	1314.8	1489.1	2175.2	3108.7	3697.1	4117.3	4720.1
-12.5°	454.2	628.6	799.0	1054.1	1305.6	1488.2	2069.5	3041.2	3751.9	4148.4	4669.6
-15°	437.7	619.3	788.0	1031.3	1291.3	1481.9	1901.0	2921.7	3724.4	4034.9	4521.6
-17.5°	419.8	606.5	768.2	999.1	1272.6	1470.3	1654.2	2618.3	3443.0	3840.9	4361.5
-20°	401.2	590.0	739.0	957.7	1245.9	1413.8	1538.1	2234.8	3040.7	3601.6	4081.4



REPORT NUMBER: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	382.9	570.1	707.7	919.3	1149.7	1320.4	1452.3	1843.5	2624.1	3305.5	3663.4
-25°	373.1	541.0	681.6	848.7	1047.3	1224.4	1352.8	1492.0	2188.7	2843.4	3294.0
-27.5°	368.5	514.7	643.0	778.3	950.0	1122.9	1245.4	1376.6	1759.5	2378.2	2918.4
-30°	360.0	478.7	602.6	714.8	867.4	1017.0	1137.3	1272.7	1426.7	1926.4	2425.3
-32.5°	339.8	442.3	560.3	668.3	790.1	920.9	1054.3	1186.7	1318.6	1500.3	1957.6
-35°	316.2	411.8	518.0	620.6	717.5	843.1	976.2	1106.6	1218.5	1334.7	1587.7
-37.5°	297.2	378.8	476.3	573.4	664.8	772.2	894.9	1021.5	1135.8	1240.8	1385.0
-40°	276.2	343.5	436.9	528.7	614.8	707.1	816.5	930.7	1048.6	1171.3	1284.1
-42.5°	253.2	318.2	396.0	484.7	565.4	650.4	737.9	843.5	959.5	1089.0	1206.0
-45°	226.9	291.1	355.0	436.6	514.1	592.3	674.2	757.9	871.8	988.0	1110.5
-47.5°	199.3	261.8	323.3	388.4	462.2	533.7	608.6	694.1	783.6	889.8	998.0
-50°	170.7	230.0	289.6	348.6	411.8	476.5	542.6	629.0	714.0	797.3	890.1
-52.5°	142.0	196.7	253.6	310.3	366.4	424.7	488.0	564.1	644.3	722.3	799.3
-55°	111.7	162.7	215.9	269.7	323.3	376.1	437.6	505.1	574.7	649.0	720.6
-57.5°	86.0	126.7	175.9	227.2	277.7	329.4	389.7	447.8	510.9	576.6	640.9
-60°	62.6	94.0	133.3	180.9	230.2	280.9	340.4	398.1	452.1	504.6	564.9
-62.5°	41.4	65.7	95.4	131.1	176.1	226.9	280.2	337.1	398.2	446.1	493.3
-65°	34.0	41.9	62.2	90.0	119.7	162.9	211.6	264.2	317.2	364.9	415.2
-67.5°	26.3	33.8	40.9	51.5	77.0	105.7	136.2	179.8	225.9	265.9	306.5
-70°	22.9	26.3	32.3	38.5	44.5	56.3	81.5	108.2	134.7	160.3	193.5
-72.5°	20.2	23.2	26.3	29.7	34.9	40.4	46.3	52.4	67.4	87.1	105.6
-75°	18.0	20.0	22.6	25.4	28.2	30.8	33.9	38.8	43.6	48.2	52.6
-77.5°	16.0	17.6	19.4	21.4	23.1	25.2	27.4	29.7	32.0	34.4	37.0
-80°	14.4	15.2	16.6	18.0	18.9	20.0	21.2	22.7	24.0	25.3	26.8
-82.5°	13.2	13.8	14.4	15.2	15.3	15.2	15.1	15.6	16.5	17.3	18.2
-85°	12.3	12.3	12.6	12.9	13.1	13.2	13.2	13.1	13.0	12.9	12.8
-87.5°	12.0	11.8	11.6	11.4	11.5	11.5	11.6	11.7	11.2	10.8	10.3
-90°	9.7	9.2	8.7	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.6



REPORT NUMBER: P731723 (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°	8.2	8.2	8.2	8.2	8.2	8.7	9.2	9.7	10.2	11.8	13.3
87.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	2.0	2.0
82.5°	6.1	5.9	5.7	5.6	5.5	5.2	4.8	4.3	3.9	3.5	3.0
80°	6.2	6.1	6.1	6.1	6.1	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	6.4	6.5	6.5	6.4	6.2	5.7	5.2	4.7	4.2	3.6	3.1
75°	8.2	7.9	7.5	7.0	6.3	5.7	5.2	4.7	4.2	4.0	4.0
72.5°	10.1	9.5	9.1	9.6	9.4	9.2	9.0	8.4	7.5	7.5	7.8
70°	18.7	19.6	19.7	18.8	16.8	15.0	13.6	12.1	10.3	9.8	9.9
67.5°	29.9	28.4	26.7	24.4	20.8	17.8	15.8	14.1	12.4	11.8	12.0
65°	37.2	30.8	26.5	23.0	20.2	17.7	15.8	13.8	11.9	10.7	10.5
62.5°	33.9	26.6	22.0	19.2	17.3	15.8	13.3	11.3	9.7	8.9	9.2
60°	29.2	21.3	16.5	14.3	12.3	10.3	9.4	8.8	8.4	8.2	8.3
57.5°	23.2	16.2	12.2	11.3	10.2	8.8	8.4	8.6	8.5	8.2	8.2
55°	17.0	13.9	12.3	11.7	11.2	10.5	10.1	10.0	9.8	9.5	9.7
52.5°	13.8	13.8	14.0	13.7	13.3	12.7	12.1	12.1	12.3	12.7	13.2
50°	15.3	15.7	16.0	15.9	15.4	14.8	14.2	14.8	15.7	16.5	17.2
47.5°	17.8	18.4	19.5	18.1	18.3	19.5	18.8	19.0	22.0	24.0	25.2
45°	22.6	26.1	27.0	27.8	28.1	30.2	31.2	31.9	37.8	40.3	40.4
42.5°	35.9	39.3	42.1	44.8	44.3	51.0	60.0	64.9	64.7	63.7	64.8
40°	54.3	58.1	66.3	72.6	82.3	91.0	91.7	83.2	84.2	94.0	94.8
37.5°	81.6	93.0	109.5	127.8	132.8	127.2	130.5	136.6	143.0	152.0	162.5
35°	130.0	168.1	175.7	189.8	199.1	190.0	193.5	209.8	210.0	238.9	254.8
32.5°	230.7	289.1	307.1	294.4	319.1	333.9	288.3	345.6	356.6	386.3	422.8
30°	376.2	497.9	535.6	518.1	584.5	605.4	565.2	680.6	748.5	747.1	918.3
27.5°	714.8	775.6	846.3	954.2	968.1	1004.1	1231.7	1407.8	1631.4	1842.6	2117.0
25°	1093.6	1128.1	1330.6	1464.0	1529.9	1770.5	2107.8	2383.0	2857.3	3300.0	4221.3
22.5°	1442.5	1571.4	1818.4	2032.0	2271.9	2659.4	3124.7	3635.3	4895.5	6445.9	8391.3
20°	1784.8	1954.5	2249.6	2633.7	3016.8	3543.8	4162.3	5779.9	8258.0	12013.7	16072.6
17.5°	2171.4	2334.5	2736.8	3279.2	3862.0	4651.9	6549.2	9640.0	14902.3	22249.5	29337.5
15°	2673.1	2953.9	3399.1	4200.4	5315.8	7177.5	10270.3	17894.1	28400.2	39825.9	52075.5
12.5°	3260.1	3723.0	4447.7	5483.2	7089.3	11487.3	19260.1	31502.1	47202.0	63249.2	83382.0
10°	3828.4	4602.6	5711.5	7343.3	10538.4	17470.0	29050.1	46718.1	70773.6	95584.8	117819.3
7.5°	4327.5	5352.0	6844.1	9131.1	14203.5	24221.4	40880.4	65500.1	95483.8	126143.9	156042.6
5°	4837.2	6055.4	7794.3	10470.0	16438.6	29108.5	50491.5	82694.6	118920.6	156055.6	195079.0
2.5°	5255.6	6645.9	8587.5	11579.9	17759.4	31734.9	56451.6	94670.4	136526.5	179040.7	227598.5
0°	5507.4	7012.2	8979.7	11614.6	18796.7	33803.8	57923.7	98909.7	143959.6	190702.7	241524.2
-2.5°	5515.2	6935.9	8788.6	11504.5	18574.7	33238.2	58026.5	98803.9	143559.8	188577.8	238730.3
-5°	5498.0	6762.0	8501.9	11109.3	17245.9	30287.5	53574.8	92402.5	136485.3	179089.0	224769.3
-7.5°	5471.7	6532.2	8094.8	10477.4	15545.3	26726.0	48447.5	83991.3	125583.2	165266.7	206158.2
-10°	5441.4	6294.2	7720.0	9935.2	14004.9	22489.7	38972.7	71342.5	109496.8	146115.8	179648.0
-12.5°	5415.3	6196.5	7418.2	9188.4	12132.2	18845.6	32903.1	58302.7	89200.2	120121.0	149825.3
-15°	5315.3	6067.1	7171.8	8633.7	11020.4	15715.5	24562.5	42119.4	67490.5	91916.2	115496.0
-17.5°	5110.6	5883.0	6578.0	7716.1	9437.5	12499.3	18295.7	28875.1	45165.3	64258.7	80893.9
-20°	4709.7	5239.1	5815.6	6782.3	8107.2	9719.0	12362.5	18390.7	26136.3	38590.6	47312.6



REPORT NUMBER: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4114.3	4559.6	5044.7	5688.7	6620.4	7758.0	9168.5	11397.1	15438.9	20239.1	25544.4
-25°	3571.3	3891.3	4340.8	4894.1	5392.8	6134.9	7123.4	7987.9	9733.8	11145.9	14063.8
-27.5°	3159.7	3425.7	3832.9	4262.0	4630.1	5027.7	5715.5	6326.6	7176.1	7917.6	9103.8
-30°	2862.1	3134.6	3461.9	3787.2	4136.8	4473.9	4781.8	5245.1	5754.5	6238.3	6865.8
-32.5°	2494.7	2924.7	3161.6	3436.7	3747.7	4042.6	4277.3	4570.4	4850.7	5171.2	5515.4
-35°	2110.8	2580.7	2944.4	3155.7	3386.7	3668.3	3908.9	4109.3	4295.1	4494.1	4675.9
-37.5°	1658.8	2178.0	2592.3	2905.1	3116.0	3312.5	3570.5	3763.2	3886.1	4051.1	4175.4
-40°	1425.7	1633.5	2104.5	2529.6	2801.4	3111.1	3351.1	3555.1	3780.1	3955.7	4057.0
-42.5°	1312.1	1432.6	1557.9	1905.1	2330.6	2702.3	3011.9	3347.4	3648.4	3887.7	4110.4
-45°	1224.2	1309.8	1399.1	1514.3	1633.4	1981.3	2362.9	2755.3	3106.6	3435.0	3716.7
-47.5°	1107.0	1207.2	1288.7	1361.6	1434.8	1541.5	1655.8	1814.9	2152.7	2495.1	2821.5
-50°	986.4	1078.6	1168.5	1253.1	1321.7	1375.5	1418.7	1488.9	1590.6	1692.0	1791.4
-52.5°	872.8	958.4	1039.9	1121.8	1202.0	1273.2	1336.3	1385.9	1426.7	1461.5	1485.1
-55°	791.5	858.9	922.3	1000.4	1077.5	1149.1	1215.4	1276.3	1331.9	1382.4	1417.2
-57.5°	707.0	773.0	838.7	904.4	968.1	1029.7	1091.6	1151.8	1208.4	1259.9	1294.4
-60°	623.3	679.8	744.9	812.7	876.2	935.6	993.1	1047.2	1097.6	1140.8	1168.7
-62.5°	544.3	597.6	653.9	714.9	779.2	841.9	899.5	954.2	1006.1	1048.1	1075.1
-65°	464.4	509.2	557.3	607.8	659.9	713.4	768.2	824.2	880.4	925.6	955.2
-67.5°	348.9	393.8	441.0	490.3	534.7	575.5	615.0	655.8	697.0	731.3	758.2
-70°	227.0	260.5	293.4	327.1	363.9	401.3	437.1	470.6	501.7	526.6	546.7
-72.5°	122.7	138.9	157.1	182.8	207.4	232.3	256.9	280.0	301.6	317.9	330.6
-75°	56.9	64.3	78.1	90.9	102.7	114.7	126.4	137.1	146.8	153.7	159.0
-77.5°	40.4	43.7	46.9	50.3	53.6	58.2	63.0	67.8	72.4	77.0	81.3
-80°	28.4	30.3	32.1	33.8	35.4	38.0	40.8	43.6	46.4	49.2	51.9
-82.5°	19.0	20.2	21.4	22.6	23.7	25.2	26.7	28.2	29.6	31.9	34.2
-85°	12.8	13.4	14.0	14.6	15.2	16.4	17.7	18.9	20.1	21.7	23.3
-87.5°	9.8	9.9	9.9	10.0	10.0	11.0	12.1	13.1	14.2	15.7	17.3
-90°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	1.5	1.0



REPORT NUMBER: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.9	16.4	17.4	18.4	17.4	16.4	14.9	13.3	11.8	10.2	9.7
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	3.9	4.3
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.7
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.6	3.1	3.6	4.2	4.7
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.7
72.5°	7.9	8.1	8.2	8.2	8.2	8.1	7.9	7.8	7.5	7.5	8.4
70°	10.1	10.1	10.2	10.2	10.2	10.1	10.1	9.9	9.8	10.3	12.1
67.5°	12.1	12.2	12.3	12.3	12.3	12.2	12.1	12.0	11.8	12.4	14.1
65°	10.4	10.3	10.2	10.2	10.2	10.3	10.4	10.5	10.7	11.9	13.8
62.5°	9.6	10.1	10.2	10.2	10.2	10.1	9.6	9.2	8.9	9.7	11.3
60°	8.3	8.3	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.4	8.8
57.5°	8.2	8.2	9.0	10.2	9.0	8.2	8.2	8.2	8.2	8.5	8.6
55°	9.9	10.1	11.0	12.3	11.0	10.1	9.9	9.7	9.5	9.8	10.0
52.5°	13.7	14.0	14.2	14.3	14.2	14.0	13.7	13.2	12.7	12.3	12.1
50°	17.7	18.1	18.3	18.4	18.3	18.1	17.7	17.2	16.5	15.7	14.8
47.5°	26.0	26.3	26.4	26.6	26.4	26.3	26.0	25.2	24.0	22.0	19.0
45°	41.9	42.4	42.6	43.0	42.6	42.4	41.9	40.4	40.3	37.8	31.9
42.5°	67.4	68.5	68.5	67.6	68.5	68.5	67.4	64.8	63.7	64.7	64.9
40°	96.2	96.2	95.1	94.2	95.1	96.2	96.2	94.8	94.0	84.2	83.2
37.5°	167.3	161.3	150.5	145.4	150.5	161.3	167.3	162.5	152.0	143.0	136.6
35°	258.9	262.8	263.8	262.1	263.8	262.8	258.9	254.8	238.9	210.0	209.8
32.5°	433.0	453.7	460.4	472.9	460.4	453.7	433.0	422.8	386.3	356.6	345.6
30°	891.4	885.2	807.6	773.9	807.6	885.2	891.4	918.3	747.1	748.5	680.6
27.5°	2401.3	2677.8	2809.6	2798.7	2809.6	2677.8	2401.3	2117.0	1842.6	1631.4	1407.8
25°	4945.5	5389.8	5684.4	5491.0	5684.4	5389.8	4945.5	4221.3	3300.0	2857.3	2383.0
22.5°	10203.2	11171.8	11699.6	11889.0	11699.6	11171.8	10203.2	8391.3	6445.9	4895.5	3635.3
20°	20447.0	22275.9	23611.5	22496.3	23611.5	22275.9	20447.0	16072.6	12013.7	8258.0	5779.9
17.5°	37960.0	43648.9	48681.5	50254.3	48681.5	43648.9	37960.0	29337.5	22249.5	14902.3	9640.0
15°	63884.9	73492.4	79203.1	78870.2	79203.1	73492.4	63884.9	52075.5	39825.9	28400.2	17894.1
12.5°	98294.2	110150.3	118061.1	116302.0	118061.1	110150.3	98294.2	83382.0	63249.2	47202.0	31502.1
10°	139639.7	157597.8	170645.9	170044.9	170645.9	157597.8	139639.7	117819.3	95584.8	70773.6	46718.1
7.5°	182505.7	211986.5	237574.6	241880.4	237574.6	211986.5	182505.7	156042.6	126143.9	95483.8	65500.1
5°	237785.0	276641.8	302053.2	303505.7	302053.2	276641.8	237785.0	195079.0	156055.6	118920.6	82694.6
2.5°	282625.7	327201.0	348646.2	361639.3	348646.2	327201.0	282625.7	227598.5	179040.7	136526.5	94670.4
0°	303633.7	339870.8	379078.6	397655.3	379078.6	339870.8	303633.7	241524.2	190702.7	143959.6	98909.7
-2.5°	295015.0	333845.7	357370.7	377058.9	357370.7	333845.7	295015.0	238730.3	188577.8	143559.8	98803.9
-5°	275468.4	313943.3	333678.9	335520.2	333678.9	313943.3	275468.4	224769.3	179089.0	136485.3	92402.5
-7.5°	243558.1	276182.8	296903.2	303350.1	296903.2	276182.8	243558.1	206158.2	165266.7	125583.2	83991.3
-10°	209645.8	233108.2	246499.2	249066.6	246499.2	233108.2	209645.8	179648.0	146115.8	109496.8	71342.5
-12.5°	174388.7	193597.4	202837.4	204856.1	202837.4	193597.4	174388.7	149825.3	120121.0	89200.2	58302.7
-15°	135332.8	149786.9	158106.6	159554.3	158106.6	149786.9	135332.8	115496.0	91916.2	67490.5	42119.4
-17.5°	96598.0	108343.1	116770.9	117890.7	116770.9	108343.1	96598.0	80893.9	64258.7	45165.3	28875.1
-20°	59339.8	67331.3	72261.6	71538.6	72261.6	67331.3	59339.8	47312.6	38590.6	26136.3	18390.7



REPORT NUMBER: P731723 (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°	31947.8	36255.4	38339.0	39415.6	38339.0	36255.4	31947.8	25544.4	20239.1	15438.9	11397.1
-25°	16887.5	18711.8	19648.0	20381.4	19648.0	18711.8	16887.5	14063.8	11145.9	9733.8	7987.9
-27.5°	10048.2	10675.6	11024.0	11215.4	11024.0	10675.6	10048.2	9103.8	7917.6	7176.1	6326.6
-30°	7366.4	7666.9	7825.7	7904.8	7825.7	7666.9	7366.4	6865.8	6238.3	5754.5	5245.1
-32.5°	5791.6	5970.0	6079.7	6119.5	6079.7	5970.0	5791.6	5515.4	5171.2	4850.7	4570.4
-35°	4804.4	4864.1	4885.5	4923.9	4885.5	4864.1	4804.4	4675.9	4494.1	4295.1	4109.3
-37.5°	4270.1	4325.7	4352.8	4375.2	4352.8	4325.7	4270.1	4175.4	4051.1	3886.1	3763.2
-40°	4103.8	4162.7	4223.1	4266.7	4223.1	4162.7	4103.8	4057.0	3955.7	3780.1	3555.1
-42.5°	4207.7	4304.0	4370.1	4379.3	4370.1	4304.0	4207.7	4110.4	3887.7	3648.4	3347.4
-45°	3876.7	3986.4	4046.1	4066.0	4046.1	3986.4	3876.7	3716.7	3435.0	3106.6	2755.3
-47.5°	3110.8	3361.5	3511.1	3544.0	3511.1	3361.5	3110.8	2821.5	2495.1	2152.7	1814.9
-50°	1888.0	1977.3	2026.4	2033.0	2026.4	1977.3	1888.0	1791.4	1692.0	1590.6	1488.9
-52.5°	1503.8	1519.8	1529.7	1535.5	1529.7	1519.8	1503.8	1485.1	1461.5	1426.7	1385.9
-55°	1447.8	1474.6	1489.7	1496.6	1489.7	1474.6	1447.8	1417.2	1382.4	1331.9	1276.3
-57.5°	1325.2	1352.4	1364.5	1367.6	1364.5	1352.4	1325.2	1294.4	1259.9	1208.4	1151.8
-60°	1194.2	1217.2	1224.4	1224.3	1224.4	1217.2	1194.2	1168.7	1140.8	1097.6	1047.2
-62.5°	1100.8	1124.8	1136.4	1142.4	1136.4	1124.8	1100.8	1075.1	1048.1	1006.1	954.2
-65°	981.1	1003.0	1012.3	1015.5	1012.3	1003.0	981.1	955.2	925.6	880.4	824.2
-67.5°	782.2	802.9	808.8	808.7	808.8	802.9	782.2	758.2	731.3	697.0	655.8
-70°	563.8	577.6	579.9	577.4	579.9	577.6	563.8	546.7	526.6	501.7	470.6
-72.5°	341.0	348.9	351.9	352.1	351.9	348.9	341.0	330.6	317.9	301.6	280.0
-75°	163.1	166.0	168.4	169.9	168.4	166.0	163.1	159.0	153.7	146.8	137.1
-77.5°	85.4	89.3	90.9	92.1	90.9	89.3	85.4	81.3	77.0	72.4	67.8
-80°	54.5	57.0	57.2	57.3	57.2	57.0	54.5	51.9	49.2	46.4	43.6
-82.5°	36.5	38.7	38.9	38.9	38.9	38.7	36.5	34.2	31.9	29.6	28.2
-85°	25.0	26.5	27.6	28.7	27.6	26.5	25.0	23.3	21.7	20.1	18.9
-87.5°	18.9	20.5	20.5	20.5	20.5	20.5	18.9	17.3	15.7	14.2	13.1
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.2	8.7	8.2	8.2	8.2	8.2	8.2	8.7	9.2	9.7	10.2
87.5°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.2	7.7	8.2
85°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.2	7.7	8.2
82.5°	4.8	5.2	5.5	5.6	5.7	5.9	6.1	6.7	7.2	7.7	8.2
80°	5.2	5.7	6.1	6.1	6.1	6.1	6.2	6.7	7.2	7.8	8.3
77.5°	5.2	5.7	6.2	6.4	6.5	6.5	6.4	6.8	7.3	7.8	8.3
75°	5.2	5.7	6.3	7.0	7.5	7.9	8.2	8.4	8.5	8.7	8.8
72.5°	9.0	9.2	9.4	9.6	9.1	9.5	10.1	10.4	10.6	10.4	10.0
70°	13.6	15.0	16.8	18.8	19.7	19.6	18.7	17.0	14.4	13.4	12.4
67.5°	15.8	17.8	20.8	24.4	26.7	28.4	29.9	30.2	28.6	25.5	18.8
65°	15.8	17.7	20.2	23.0	26.5	30.8	37.2	40.4	40.7	38.6	30.0
62.5°	13.3	15.8	17.3	19.2	22.0	26.6	33.9	40.6	47.0	48.9	39.2
60°	9.4	10.3	12.3	14.3	16.5	21.3	29.2	37.2	45.2	45.3	42.2
57.5°	8.4	8.8	10.2	11.3	12.2	16.2	23.2	32.1	40.9	39.7	37.5
55°	10.1	10.5	11.2	11.7	12.3	13.9	17.0	23.1	31.1	32.9	31.5
52.5°	12.1	12.7	13.3	13.7	14.0	13.8	13.8	17.4	21.1	24.3	25.4
50°	14.2	14.8	15.4	15.9	16.0	15.7	15.3	14.9	17.0	19.5	20.5
47.5°	18.8	19.5	18.3	18.1	19.5	18.4	17.8	17.9	19.0	18.2	19.2
45°	31.2	30.2	28.1	27.8	27.0	26.1	22.6	24.3	24.6	23.4	20.3
42.5°	60.0	51.0	44.3	44.8	42.1	39.3	35.9	35.2	34.0	31.2	29.3
40°	91.7	91.0	82.3	72.6	66.3	58.1	54.3	49.8	47.1	43.0	41.9
37.5°	130.5	127.2	132.8	127.8	109.5	93.0	81.6	69.7	62.0	66.0	62.7
35°	193.5	190.0	199.1	189.8	175.7	168.1	130.0	101.6	92.1	102.3	92.0
32.5°	288.3	333.9	319.1	294.4	307.1	289.1	230.7	159.2	158.2	155.7	138.0
30°	565.2	605.4	584.5	518.1	535.6	497.9	376.2	351.8	295.0	224.6	196.2
27.5°	1231.7	1004.1	968.1	954.2	846.3	775.6	714.8	644.1	496.7	364.4	272.6
25°	2107.8	1770.5	1529.9	1464.0	1330.6	1128.1	1093.6	1006.1	824.8	553.9	374.8
22.5°	3124.7	2659.4	2271.9	2032.0	1818.4	1571.4	1442.5	1387.5	1192.5	791.4	540.8
20°	4162.3	3543.8	3016.8	2633.7	2249.6	1954.5	1784.8	1698.0	1456.1	1079.9	714.3
17.5°	6549.2	4651.9	3862.0	3279.2	2736.8	2334.5	2171.4	1965.6	1719.1	1359.7	883.1
15°	10270.3	7177.5	5315.8	4200.4	3399.1	2953.9	2673.1	2279.7	1977.4	1606.8	1145.5
12.5°	19260.1	11487.3	7089.3	5483.2	4447.7	3723.0	3260.1	2721.3	2268.9	1945.9	1534.2
10°	29050.1	17470.0	10538.4	7343.3	5711.5	4602.6	3828.4	3168.7	2648.5	2316.2	1918.3
7.5°	40880.4	24221.4	14203.5	9131.1	6844.1	5352.0	4327.5	3549.3	3001.2	2662.9	2292.1
5°	50491.5	29108.5	16438.6	10470.0	7794.3	6055.4	4837.2	3872.2	3328.7	2988.1	2648.4
2.5°	56451.6	31734.9	17759.4	11579.9	8587.5	6645.9	5255.6	4146.9	3583.1	3199.0	2846.4
0°	57923.7	33803.8	18796.7	11614.6	8979.7	7012.2	5507.4	4387.5	3795.8	3376.1	3013.7
-2.5°	58026.5	33238.2	18574.7	11504.5	8788.6	6935.9	5515.2	4503.0	3917.1	3467.6	3075.2
-5°	53574.8	30287.5	17245.9	11109.3	8501.9	6762.0	5498.0	4608.2	4009.1	3544.3	3097.1
-7.5°	48447.5	26726.0	15545.3	10477.4	8094.8	6532.2	5471.7	4693.4	4071.8	3628.4	3126.3
-10°	38972.7	22489.7	14004.9	9935.2	7720.0	6294.2	5441.4	4720.1	4117.3	3697.1	3108.7
-12.5°	32903.1	18845.6	12132.2	9188.4	7418.2	6196.5	5415.3	4669.6	4148.4	3751.9	3041.2
-15°	24562.5	15715.5	11020.4	8633.7	7171.8	6067.1	5315.3	4521.6	4034.9	3724.4	2921.7
-17.5°	18295.7	12499.3	9437.5	7716.1	6578.0	5883.0	5110.6	4361.5	3840.9	3443.0	2618.3
-20°	12362.5	9719.0	8107.2	6782.3	5815.6	5239.1	4709.7	4081.4	3601.6	3040.7	2234.8



REPORT NUMBER: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9168.5	7758.0	6620.4	5688.7	5044.7	4559.6	4114.3	3663.4	3305.5	2624.1	1843.5
-25°	7123.4	6134.9	5392.8	4894.1	4340.8	3891.3	3571.3	3294.0	2843.4	2188.7	1492.0
-27.5°	5715.5	5027.7	4630.1	4262.0	3832.9	3425.7	3159.7	2918.4	2378.2	1759.5	1376.6
-30°	4781.8	4473.9	4136.8	3787.2	3461.9	3134.6	2862.1	2425.3	1926.4	1426.7	1272.7
-32.5°	4277.3	4042.6	3747.7	3436.7	3161.6	2924.7	2494.7	1957.6	1500.3	1318.6	1186.7
-35°	3908.9	3668.3	3386.7	3155.7	2944.4	2580.7	2110.8	1587.7	1334.7	1218.5	1106.6
-37.5°	3570.5	3312.5	3116.0	2905.1	2592.3	2178.0	1658.8	1385.0	1240.8	1135.8	1021.5
-40°	3351.1	3111.1	2801.4	2529.6	2104.5	1633.5	1425.7	1284.1	1171.3	1048.6	930.7
-42.5°	3011.9	2702.3	2330.6	1905.1	1557.9	1432.6	1312.1	1206.0	1089.0	959.5	843.5
-45°	2362.9	1981.3	1633.4	1514.3	1399.1	1309.8	1224.2	1110.5	988.0	871.8	757.9
-47.5°	1655.8	1541.5	1434.8	1361.6	1288.7	1207.2	1107.0	998.0	889.8	783.6	694.1
-50°	1418.7	1375.5	1321.7	1253.1	1168.5	1078.6	986.4	890.1	797.3	714.0	629.0
-52.5°	1336.3	1273.2	1202.0	1121.8	1039.9	958.4	872.8	799.3	722.3	644.3	564.1
-55°	1215.4	1149.1	1077.5	1000.4	922.3	858.9	791.5	720.6	649.0	574.7	505.1
-57.5°	1091.6	1029.7	968.1	904.4	838.7	773.0	707.0	640.9	576.6	510.9	447.8
-60°	993.1	935.6	876.2	812.7	744.9	679.8	623.3	564.9	504.6	452.1	398.1
-62.5°	899.5	841.9	779.2	714.9	653.9	597.6	544.3	493.3	446.1	398.2	337.1
-65°	768.2	713.4	659.9	607.8	557.3	509.2	464.4	415.2	364.9	317.2	264.2
-67.5°	615.0	575.5	534.7	490.3	441.0	393.8	348.9	306.5	265.9	225.9	179.8
-70°	437.1	401.3	363.9	327.1	293.4	260.5	227.0	193.5	160.3	134.7	108.2
-72.5°	256.9	232.3	207.4	182.8	157.1	138.9	122.7	105.6	87.1	67.4	52.4
-75°	126.4	114.7	102.7	90.9	78.1	64.3	56.9	52.6	48.2	43.6	38.8
-77.5°	63.0	58.2	53.6	50.3	46.9	43.7	40.4	37.0	34.4	32.0	29.7
-80°	40.8	38.0	35.4	33.8	32.1	30.3	28.4	26.8	25.3	24.0	22.7
-82.5°	26.7	25.2	23.7	22.6	21.4	20.2	19.0	18.2	17.3	16.5	15.6
-85°	17.7	16.4	15.2	14.6	14.0	13.4	12.8	12.8	12.9	13.0	13.1
-87.5°	12.1	11.0	10.0	10.0	9.9	9.9	9.8	10.3	10.8	11.2	11.7
-90°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.2	7.7	8.2



REPORT NUMBER: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.2	10.2	10.2	10.2	10.7	11.3	11.8	12.3	11.8	11.3	10.7
87.5°	8.2	8.2	8.2	8.2	8.7	9.2	9.7	10.2	10.2	10.2	10.2
85°	8.4	8.5	8.5	8.5	8.8	9.2	9.7	10.2	10.2	10.2	10.2
82.5°	8.7	9.2	9.5	9.6	9.6	9.7	9.9	10.2	10.3	10.2	10.2
80°	8.8	9.3	9.8	10.2	10.2	10.2	10.1	10.2	10.5	10.6	10.5
77.5°	8.8	9.3	9.8	10.2	10.2	10.2	10.2	10.3	10.8	11.0	11.0
75°	8.9	9.4	9.9	10.2	10.2	10.2	10.2	10.4	10.9	11.4	11.5
72.5°	9.8	9.8	10.0	10.2	10.2	10.2	10.2	10.4	10.9	11.4	11.9
70°	11.3	10.4	10.2	10.4	10.4	10.2	10.2	10.5	11.0	11.5	12.0
67.5°	13.3	12.0	11.0	10.8	10.9	10.8	10.3	10.6	11.1	11.5	12.0
65°	22.1	16.1	12.2	11.7	11.5	11.6	11.2	10.8	11.1	11.6	12.1
62.5°	30.2	21.9	16.5	13.3	12.1	12.0	12.1	11.5	11.3	11.7	12.2
60°	37.7	28.3	20.9	16.7	13.6	12.2	12.3	12.1	11.7	11.8	12.2
57.5°	34.9	32.8	26.7	20.4	16.2	13.3	12.3	12.3	12.1	12.0	12.3
55°	29.7	28.6	29.4	24.6	18.8	15.1	12.8	12.3	12.3	12.1	12.3
52.5°	24.2	25.7	27.9	26.9	21.7	16.8	14.2	12.3	12.3	12.3	12.3
50°	20.0	23.1	26.6	27.3	23.9	19.0	15.4	13.2	12.3	12.3	12.4
47.5°	20.0	22.7	25.0	27.9	25.7	20.8	16.8	14.1	12.3	12.3	12.6
45°	23.1	24.3	25.1	26.9	27.5	22.2	18.0	14.9	12.9	12.4	12.7
42.5°	28.2	28.6	27.9	26.4	27.4	23.3	18.9	15.6	13.5	12.5	12.9
40°	38.9	35.0	32.3	31.4	28.4	24.0	19.5	16.2	14.0	12.8	13.0
37.5°	51.6	45.3	39.5	40.5	32.6	26.2	19.8	16.5	14.6	13.4	13.1
35°	75.2	58.7	56.1	54.6	43.8	29.6	19.8	16.6	15.5	14.0	13.2
32.5°	103.5	87.1	84.3	73.4	58.1	34.3	21.9	18.0	16.5	14.5	13.4
30°	156.5	140.7	120.6	95.7	75.7	47.5	27.1	19.9	17.5	15.1	13.6
27.5°	241.3	203.7	166.5	129.1	96.9	63.5	33.7	22.1	18.7	15.7	14.0
25°	332.0	281.5	227.1	170.3	120.4	86.6	40.1	24.9	20.3	16.6	14.5
22.5°	427.8	365.5	293.9	216.1	154.2	113.9	52.8	30.4	22.4	17.6	14.9
20°	525.3	452.3	368.7	271.2	195.9	142.8	73.3	35.6	24.6	18.6	15.3
17.5°	632.6	557.8	465.4	340.7	241.3	173.1	95.8	40.7	26.9	19.6	15.6
15°	837.7	685.8	571.2	416.3	286.1	204.2	119.5	45.6	29.4	20.6	16.0
12.5°	1087.8	815.1	683.7	496.0	329.9	235.8	143.9	50.1	31.9	22.3	16.5
10°	1362.8	944.5	800.1	577.6	372.3	267.1	168.2	58.1	36.8	24.8	16.9
7.5°	1651.2	1072.6	917.4	658.8	417.9	311.3	215.6	74.5	42.1	27.3	17.3
5°	1919.2	1188.1	1033.7	759.8	488.8	368.1	266.8	91.5	47.3	29.9	17.7
2.5°	2079.3	1282.1	1142.8	857.9	557.2	422.8	316.3	108.6	52.5	32.4	18.1
0°	2209.1	1369.7	1242.7	947.9	622.4	475.0	362.4	124.9	57.3	34.8	18.4
-2.5°	2235.7	1419.6	1277.4	999.0	683.5	526.0	399.5	151.8	76.1	46.2	24.5
-5°	2230.4	1463.5	1304.3	1041.2	739.9	573.5	430.6	176.9	94.2	57.1	30.4
-7.5°	2223.8	1484.4	1318.3	1071.8	790.9	616.5	454.8	199.7	111.1	67.2	35.8
-10°	2175.2	1489.1	1314.8	1067.6	801.8	634.2	468.2	219.9	126.5	76.4	40.7
-12.5°	2069.5	1488.2	1305.6	1054.1	799.0	628.6	454.2	233.9	140.0	84.4	44.9
-15°	1901.0	1481.9	1291.3	1031.3	788.0	619.3	437.7	243.7	150.8	91.6	48.1
-17.5°	1654.2	1470.3	1272.6	999.1	768.2	606.5	419.8	250.7	159.9	98.0	51.1
-20°	1538.1	1413.8	1245.9	957.7	739.0	590.0	401.2	254.8	167.1	102.6	53.7



REPORT NUMBER: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1452.3	1320.4	1149.7	919.3	707.7	570.1	382.9	255.8	172.3	105.4	55.1
-25°	1352.8	1224.4	1047.3	848.7	681.6	541.0	373.1	253.6	175.5	106.3	55.1
-27.5°	1245.4	1122.9	950.0	778.3	643.0	514.7	368.5	255.9	176.4	105.0	53.6
-30°	1137.3	1017.0	867.4	714.8	602.6	478.7	360.0	255.8	174.6	102.8	50.7
-32.5°	1054.3	920.9	790.1	668.3	560.3	442.3	339.8	252.9	169.8	99.3	48.5
-35°	976.2	843.1	717.5	620.6	518.0	411.8	316.2	247.0	162.0	93.5	45.9
-37.5°	894.9	772.2	664.8	573.4	476.3	378.8	297.2	228.7	151.2	85.6	42.0
-40°	816.5	707.1	614.8	528.7	436.9	343.5	276.2	207.7	139.4	75.4	36.9
-42.5°	737.9	650.4	565.4	484.7	396.0	318.2	253.2	185.4	122.8	66.6	30.6
-45°	674.2	592.3	514.1	436.6	355.0	291.1	226.9	162.1	104.2	58.0	25.8
-47.5°	608.6	533.7	462.2	388.4	323.3	261.8	199.3	139.6	84.3	47.6	24.3
-50°	542.6	476.5	411.8	348.6	289.6	230.0	170.7	115.5	70.3	35.4	22.5
-52.5°	488.0	424.7	366.4	310.3	253.6	196.7	142.0	90.8	55.2	29.6	20.3
-55°	437.6	376.1	323.3	269.7	215.9	162.7	111.7	72.4	39.2	26.4	18.0
-57.5°	389.7	329.4	277.7	227.2	175.9	126.7	86.0	52.9	32.2	22.9	17.8
-60°	340.4	280.9	230.2	180.9	133.3	94.0	62.6	37.3	27.6	19.8	17.4
-62.5°	280.2	226.9	176.1	131.1	95.4	65.7	41.4	31.5	22.7	19.0	17.0
-65°	211.6	162.9	119.7	90.0	62.2	41.9	34.0	25.3	20.7	18.1	16.4
-67.5°	136.2	105.7	77.0	51.5	40.9	33.8	26.3	22.0	19.2	17.1	15.8
-70°	81.5	56.3	44.5	38.5	32.3	26.3	22.9	20.0	17.7	16.3	15.2
-72.5°	46.3	40.4	34.9	29.7	26.3	23.2	20.2	17.9	16.5	15.4	14.5
-75°	33.9	30.8	28.2	25.4	22.6	20.0	18.0	16.3	15.2	14.4	13.9
-77.5°	27.4	25.2	23.1	21.4	19.4	17.6	16.0	14.7	14.1	13.7	13.3
-80°	21.2	20.0	18.9	18.0	16.6	15.2	14.4	13.7	13.3	13.0	12.7
-82.5°	15.1	15.2	15.3	15.2	14.4	13.8	13.2	12.8	12.6	12.3	12.1
-85°	13.2	13.2	13.1	12.9	12.6	12.3	12.3	12.3	12.2	12.0	11.7
-87.5°	11.6	11.5	11.5	11.4	11.6	11.8	12.0	12.3	12.0	11.6	11.2
-90°	8.2	8.2	8.2	8.2	8.7	9.2	9.7	10.2	10.2	10.2	10.2



REPORT NUMBER: P731723 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	10.2	10.3	10.4	10.4	10.4	10.2	10.2
85°	10.2	10.4	10.6	10.6	10.6	10.3	10.2
82.5°	10.2	10.6	10.8	10.8	10.7	10.3	10.2
80°	10.3	10.7	10.9	11.0	10.9	10.4	10.2
77.5°	10.8	10.9	11.1	11.2	11.1	10.4	10.2
75°	11.4	11.2	11.3	11.5	11.2	10.5	10.2
72.5°	11.9	11.6	11.5	11.7	11.4	10.5	10.2
70°	12.3	11.9	11.7	11.9	11.5	10.5	10.2
67.5°	12.3	12.2	11.9	12.0	11.7	10.6	10.2
65°	12.3	12.3	12.0	12.0	11.8	10.6	10.2
62.5°	12.3	12.3	12.2	12.1	11.9	10.6	10.2
60°	12.3	12.3	12.3	12.1	12.0	10.7	10.2
57.5°	12.3	12.3	12.3	12.2	12.0	10.7	10.2
55°	12.3	12.3	12.3	12.2	12.0	10.7	10.2
52.5°	12.3	12.3	12.3	12.3	12.0	10.7	10.2
50°	12.3	12.3	12.3	12.3	11.9	10.7	10.2
47.5°	12.3	12.3	12.3	12.3	11.9	10.7	10.2
45°	12.5	12.3	12.3	12.3	11.9	10.7	10.2
42.5°	12.7	12.3	12.3	12.3	11.9	10.7	10.2
40°	12.9	12.3	12.3	12.3	11.9	10.7	10.2
37.5°	13.1	12.3	12.3	12.3	12.0	10.7	10.2
35°	13.4	12.4	12.3	12.3	12.0	10.7	10.2
32.5°	13.7	12.6	12.3	12.3	12.0	10.7	10.2
30°	13.8	12.9	12.3	12.3	12.0	10.7	10.2
27.5°	13.9	13.1	12.3	12.3	12.0	10.6	10.2
25°	14.0	13.3	12.3	12.3	12.1	10.6	10.2
22.5°	14.1	13.5	12.3	12.3	12.1	10.6	10.2
20°	14.3	13.7	12.3	12.3	12.1	10.5	10.2
17.5°	14.4	13.8	12.3	12.3	12.2	10.5	10.2
15°	14.6	14.0	12.3	12.3	12.2	10.5	10.2
12.5°	14.9	14.1	12.3	12.3	12.2	10.4	10.2
10°	15.2	14.1	12.3	12.3	12.2	10.4	10.2
7.5°	15.5	14.2	12.3	12.3	12.3	10.3	10.2
5°	15.8	14.3	12.3	12.3	12.3	10.3	10.2
2.5°	16.1	14.3	12.3	12.3	12.3	10.2	10.2
0°	16.4	14.3	12.3	12.3	12.3	10.2	10.2
-2.5°	18.0	14.3	12.3	12.3	12.3	10.2	10.2
-5°	19.6	14.3	12.3	12.3	12.3	10.2	10.2
-7.5°	21.0	14.2	12.3	12.3	12.3	10.2	10.2
-10°	22.1	14.1	12.3	12.3	12.2	10.2	10.2
-12.5°	23.1	14.1	12.3	12.3	12.2	10.2	10.2
-15°	23.7	14.0	12.3	12.3	12.2	10.2	10.2
-17.5°	23.9	13.8	12.3	12.3	12.1	10.2	10.2
-20°	24.3	13.7	12.3	12.3	12.0	10.2	10.2



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.0	13.5	12.3	12.3	12.0	10.2	10.2
-25°	25.0	13.8	12.3	12.3	11.9	10.2	10.2
-27.5°	24.3	14.0	12.3	12.3	11.8	10.2	10.2
-30°	22.9	14.2	12.3	12.3	11.7	10.2	10.2
-32.5°	20.6	14.2	12.5	12.3	11.6	10.2	10.2
-35°	19.8	14.0	12.7	12.3	11.5	10.2	10.2
-37.5°	19.6	13.9	12.8	12.3	11.4	10.2	10.2
-40°	19.2	14.1	12.9	12.3	11.3	10.2	10.2
-42.5°	18.5	14.2	13.0	12.3	11.2	10.2	10.2
-45°	17.5	14.3	13.1	12.4	11.1	10.2	10.2
-47.5°	16.3	14.4	13.1	12.4	10.9	10.2	10.2
-50°	16.1	14.4	13.2	12.3	10.8	10.2	10.2
-52.5°	16.0	14.4	13.2	12.1	10.7	10.2	10.2
-55°	15.9	14.3	13.1	11.9	10.5	10.2	10.2
-57.5°	15.8	14.2	13.1	11.8	10.4	10.2	10.2
-60°	15.6	14.1	13.0	11.6	10.2	10.2	10.2
-62.5°	15.3	13.9	12.7	11.3	10.2	10.2	10.2
-65°	15.0	13.7	12.5	11.1	10.2	10.2	10.2
-67.5°	14.6	13.4	12.2	10.9	10.2	10.2	10.2
-70°	14.2	13.0	11.9	10.7	10.2	10.2	10.2
-72.5°	13.7	12.7	11.6	10.6	10.2	10.2	10.2
-75°	13.3	12.3	11.2	10.6	10.2	10.2	10.2
-77.5°	12.8	11.9	11.1	10.5	10.2	10.2	10.2
-80°	12.3	11.5	10.9	10.5	10.2	10.2	10.2
-82.5°	11.8	11.2	10.7	10.4	10.2	10.2	10.2
-85°	11.3	10.9	10.6	10.3	10.2	10.2	10.2
-87.5°	10.7	10.5	10.4	10.3	10.2	10.2	10.2
-90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2

(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

