

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: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-5S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-70-5S-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

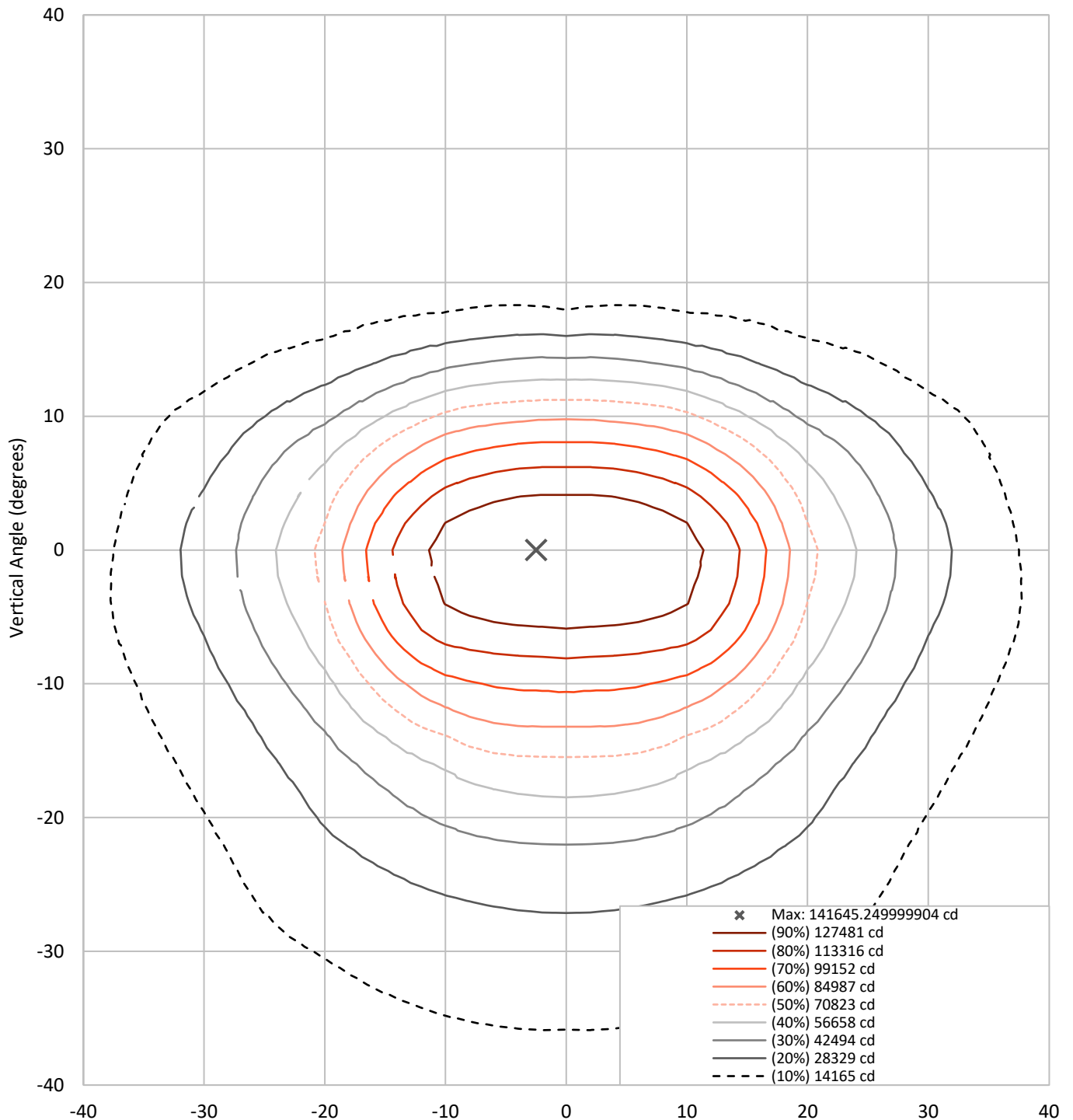
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	56127.8 lumens	Max Intensity:	141645.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	80.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	27818.2 lumens	Field Lumens:	50314.4 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 697.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

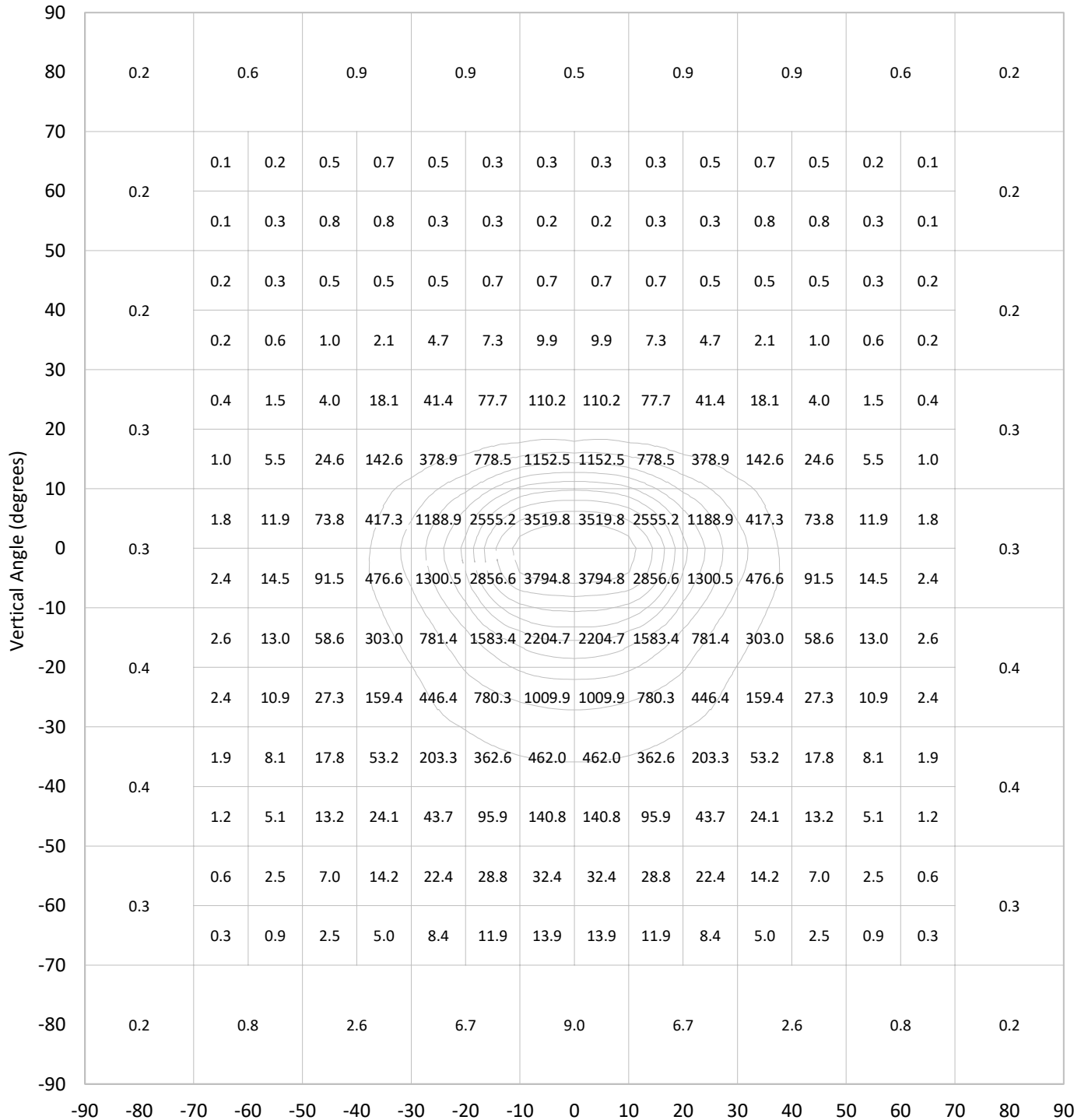
### Iso-Candela Plot





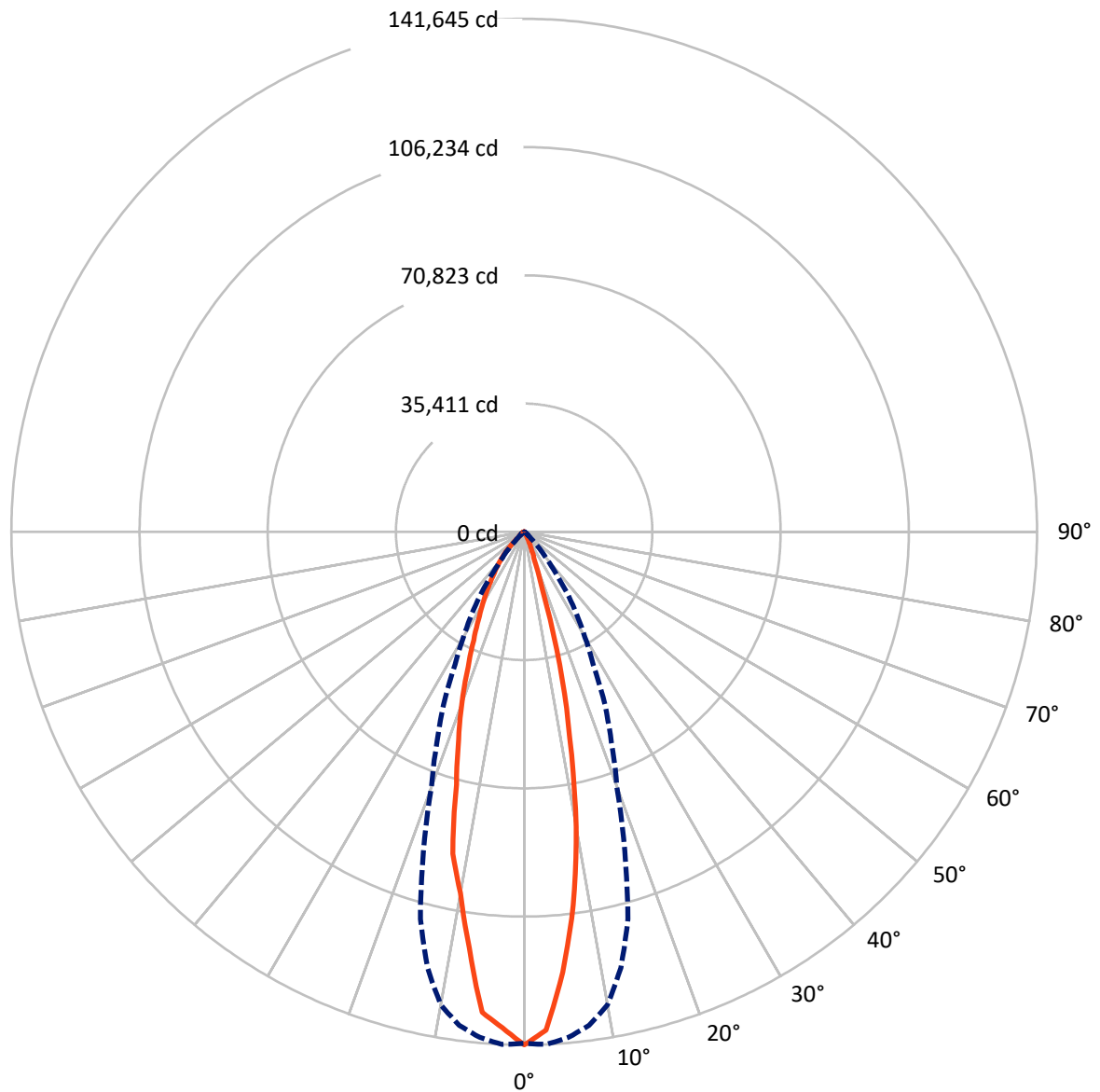
REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

### Lumen Table



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

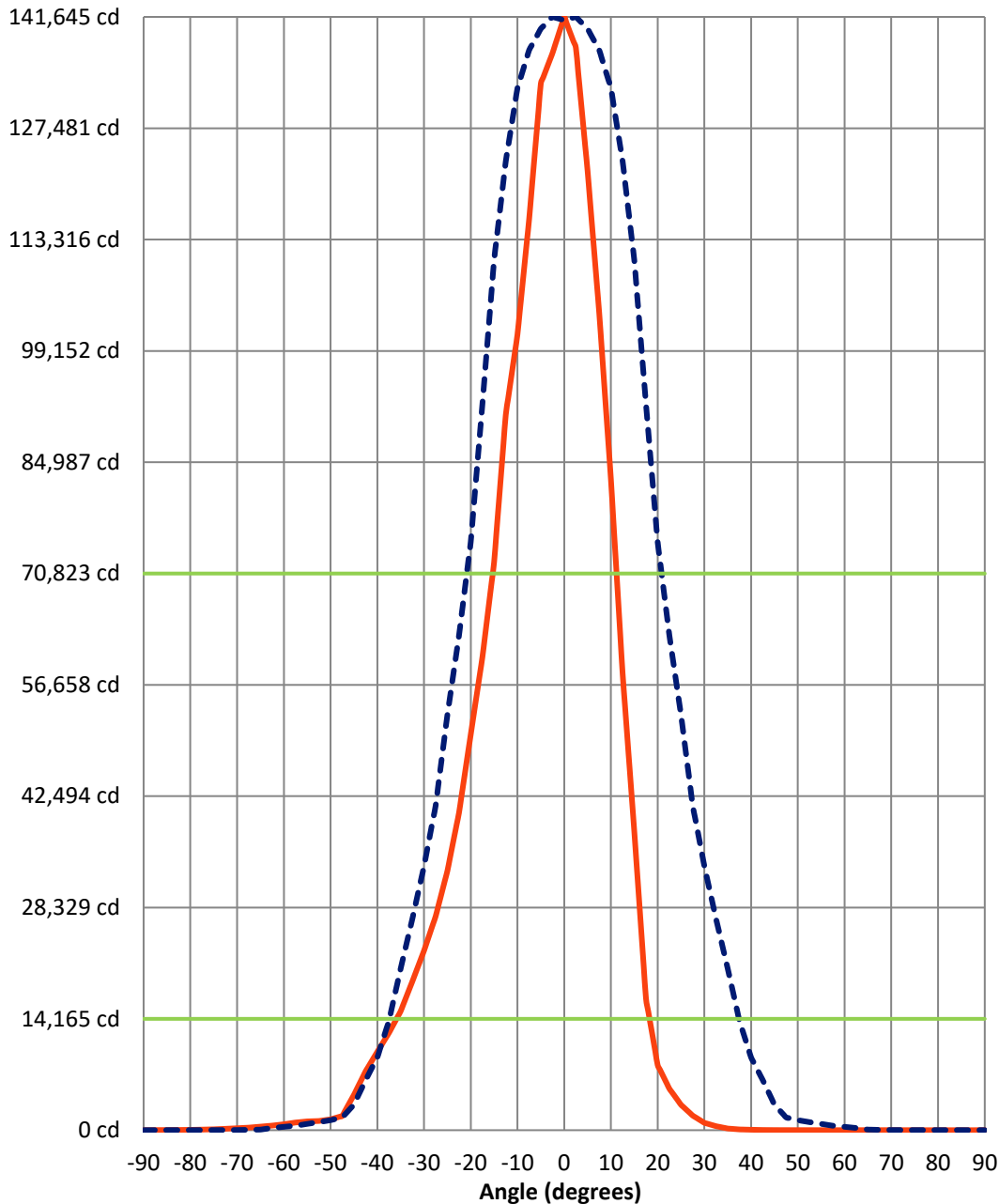
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 27818.2  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 50314.4  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 5813.4  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-Deg  
 - - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.8	8.9	9.0	9.1	9.1	9.1	9.0	8.8	8.6
85°	8.6	8.7	9.0	9.1	9.3	9.5	9.7	9.6	9.3	9.0	8.6
82.5°	8.6	8.7	9.1	9.4	9.7	10.0	10.2	10.0	9.7	9.4	9.2
80°	8.6	8.8	9.3	9.7	10.1	10.4	10.7	10.3	10.1	10.0	10.1
77.5°	8.6	8.8	9.5	10.0	10.4	10.7	10.7	10.5	10.4	10.6	10.7
75°	8.6	8.9	9.6	10.2	10.7	10.7	10.7	10.6	10.7	10.7	10.7
72.5°	8.6	8.9	9.8	10.5	10.7	10.7	10.7	10.7	10.7	10.7	10.7
70°	8.6	8.9	9.9	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
67.5°	8.6	9.0	10.1	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
65°	8.6	9.0	10.2	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
62.5°	8.6	9.0	10.3	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
60°	8.6	9.1	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
57.5°	8.6	9.1	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
55°	8.6	9.1	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
52.5°	8.6	9.1	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
50°	8.6	9.1	10.3	10.7	10.7	10.7	10.7	10.8	10.7	10.7	11.4
47.5°	8.6	9.1	10.3	10.7	10.7	10.7	10.7	11.0	10.7	10.7	12.1
45°	8.6	9.1	10.3	10.7	10.7	10.7	10.9	11.2	10.9	11.3	12.8
42.5°	8.6	9.1	10.3	10.7	10.7	10.7	11.1	11.4	11.2	11.9	13.6
40°	8.6	9.1	10.3	10.7	10.7	10.7	11.4	11.7	11.7	12.5	14.3
37.5°	8.6	9.1	10.4	10.7	10.7	10.7	11.6	12.1	12.4	13.4	14.8
35°	8.6	9.1	10.4	10.7	10.7	10.8	11.9	12.4	13.2	14.4	15.2
32.5°	8.6	9.1	10.4	10.7	10.7	11.1	12.3	12.9	13.9	15.4	16.6
30°	8.6	9.1	10.4	10.7	10.7	11.3	12.6	13.4	14.7	16.4	18.2
27.5°	8.6	9.0	10.4	10.7	10.7	11.6	13.0	14.0	15.5	17.5	20.1
25°	8.6	9.0	10.5	10.7	10.7	11.8	13.3	14.6	16.4	18.9	22.3
22.5°	8.6	9.0	10.5	10.7	10.7	12.1	13.7	15.2	17.3	20.6	26.1
20°	8.6	8.9	10.5	10.7	10.7	12.2	14.1	15.7	18.2	22.4	30.5
17.5°	8.6	8.9	10.6	10.7	10.7	12.4	14.4	16.3	19.1	24.2	35.3
15°	8.6	8.9	10.6	10.7	10.7	12.5	14.6	16.7	20.1	26.1	40.4
12.5°	8.6	8.8	10.6	10.7	10.7	12.6	14.7	16.8	20.8	28.0	45.7
10°	8.6	8.8	10.6	10.7	10.7	12.7	14.8	17.0	21.5	30.5	51.5
7.5°	8.6	8.7	10.7	10.7	10.7	12.8	14.9	17.1	22.1	33.2	58.4
5°	8.6	8.7	10.7	10.7	10.7	12.9	15.0	17.1	22.7	35.9	65.1
2.5°	8.6	8.6	10.7	10.7	10.7	12.9	15.0	17.2	23.2	38.4	71.5
0°	8.6	8.6	10.7	10.7	10.7	12.9	15.0	17.2	23.2	38.4	71.5
-2.5°	8.6	8.6	10.7	10.7	10.9	13.1	15.3	19.2	29.4	51.3	94.5
-5°	8.6	8.7	10.7	10.7	11.1	13.3	15.5	21.1	34.9	61.2	110.5
-7.5°	8.6	8.7	10.7	10.7	11.3	13.5	15.8	22.8	40.0	70.4	124.9
-10°	8.6	8.8	10.6	10.7	11.4	13.7	16.0	24.3	44.4	78.5	137.6
-12.5°	8.6	8.8	10.6	10.7	11.6	13.8	16.1	25.5	48.0	85.4	147.3
-15°	8.6	8.9	10.6	10.7	11.7	13.9	16.3	26.2	51.0	91.2	154.4
-17.5°	8.6	8.9	10.6	10.7	11.8	14.0	16.4	27.5	53.6	95.4	159.2
-20°	8.6	8.9	10.5	10.7	11.8	14.1	16.9	29.0	55.1	97.9	161.5



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.6	9.0	10.5	10.7	11.9	14.1	17.9	30.0	55.6	98.5	161.1
-25°	8.6	9.0	10.5	10.7	11.9	14.2	18.5	30.5	54.9	97.1	157.8
-27.5°	8.6	9.0	10.4	10.7	11.8	14.2	18.8	30.4	53.0	94.7	155.9
-30°	8.6	9.1	10.4	10.7	11.7	14.1	18.7	29.8	51.8	92.3	151.4
-32.5°	8.6	9.1	10.4	10.7	11.6	14.0	18.1	29.6	51.0	88.2	144.0
-35°	8.6	9.1	10.4	10.7	11.5	13.7	17.7	29.0	49.4	82.4	133.8
-37.5°	8.6	9.1	10.4	10.7	11.3	13.4	17.4	27.8	46.9	74.8	119.9
-40°	8.6	9.1	10.3	10.7	11.1	13.2	16.9	25.8	43.7	69.8	106.8
-42.5°	8.6	9.1	10.3	10.7	11.1	12.9	16.2	23.2	40.4	63.5	92.7
-45°	8.6	9.1	10.3	10.8	11.2	12.7	15.4	20.9	36.6	56.3	78.7
-47.5°	8.6	9.1	10.3	10.8	11.2	12.4	14.4	19.7	31.8	48.4	69.8
-50°	8.6	9.1	10.3	10.9	11.3	12.1	13.9	18.2	25.6	41.4	60.0
-52.5°	8.6	9.1	10.4	10.9	11.4	11.9	13.6	16.5	22.2	34.0	49.7
-55°	8.6	9.1	10.4	10.9	11.4	11.9	13.2	14.8	19.9	26.2	40.9
-57.5°	8.6	9.1	10.4	10.9	11.5	11.9	12.8	14.4	17.5	22.4	31.6
-60°	8.6	9.1	10.4	10.9	11.5	12.0	12.5	13.9	15.4	19.6	24.1
-62.5°	8.6	9.0	10.3	10.8	11.4	12.0	12.5	13.4	14.9	16.7	21.0
-65°	8.6	9.0	10.2	10.8	11.3	12.1	12.6	13.1	14.3	15.6	17.7
-67.5°	8.6	9.0	10.1	10.8	11.2	12.0	12.7	13.1	13.7	14.9	16.2
-70°	8.6	8.9	9.9	10.7	11.1	11.7	12.7	13.0	13.5	14.2	15.4
-72.5°	8.6	8.9	9.8	10.5	10.9	11.5	12.3	12.9	13.2	13.8	14.6
-75°	8.6	8.9	9.6	10.2	10.7	11.1	11.8	12.4	12.9	13.3	13.9
-77.5°	8.6	8.8	9.5	10.0	10.4	10.8	11.3	11.8	12.2	12.7	13.1
-80°	8.6	8.8	9.3	9.7	10.1	10.4	10.8	11.1	11.5	11.9	12.2
-82.5°	8.6	8.7	9.1	9.4	9.7	10.0	10.2	10.5	10.8	11.0	11.3
-85°	8.6	8.7	9.0	9.1	9.3	9.5	9.7	9.9	10.0	10.2	10.4
-87.5°	8.6	8.6	8.8	8.9	9.0	9.1	9.1	9.2	9.3	9.4	9.5
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6





REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	9.2	9.1	8.9	8.6	8.6	8.6	8.6	8.8	8.9	8.9	8.8
80°	10.0	9.7	9.4	9.3	9.5	9.8	10.1	10.3	10.2	9.7	9.2
77.5°	10.4	10.2	10.2	10.4	10.7	10.7	10.7	10.7	10.3	9.8	9.3
75°	10.6	10.7	10.7	10.7	10.7	10.7	10.7	11.1	11.3	11.1	10.9
72.5°	10.7	10.7	10.7	10.7	10.8	11.1	11.6	12.4	12.9	12.8	12.7
70°	10.7	10.7	10.7	10.7	10.8	11.6	12.7	13.8	14.5	14.8	15.7
67.5°	10.7	10.7	10.7	10.8	11.6	12.8	14.0	16.1	18.6	19.7	21.1
65°	10.7	10.7	11.0	11.7	12.8	14.3	16.5	19.4	25.1	28.3	29.6
62.5°	10.7	10.9	11.4	12.5	13.9	15.8	20.0	26.3	34.4	39.0	38.6
60°	10.7	11.0	12.1	13.5	15.1	18.3	24.4	32.8	43.6	51.4	46.5
57.5°	10.7	11.4	13.0	14.8	17.3	20.2	27.9	38.3	49.1	60.9	52.0
55°	11.0	12.2	14.2	16.9	19.3	21.9	29.3	38.6	50.7	57.1	48.5
52.5°	11.9	13.3	16.0	18.6	21.0	22.6	26.1	34.9	41.4	46.1	41.4
50°	12.7	14.9	17.6	19.7	21.4	21.4	20.5	27.3	32.4	34.0	33.6
47.5°	13.8	16.4	18.3	20.2	20.6	20.1	18.1	21.3	24.9	26.6	25.4
45°	14.9	17.2	19.0	19.7	20.1	19.3	18.6	17.7	21.6	22.4	21.4
42.5°	15.8	17.8	19.2	19.4	20.3	20.6	20.6	19.9	20.4	20.9	20.7
40°	16.4	18.3	19.6	21.2	21.6	23.5	24.8	24.6	21.0	23.2	23.6
37.5°	16.9	19.0	21.2	25.6	25.0	28.1	30.4	33.5	30.6	28.6	32.1
35°	17.3	19.8	27.0	32.2	32.4	34.4	41.9	45.6	43.2	40.9	45.2
32.5°	18.0	20.9	34.6	40.1	43.2	46.2	56.9	58.9	60.8	61.9	65.3
30°	19.9	27.9	43.3	48.9	55.6	67.2	72.9	74.6	82.4	93.0	121.7
27.5°	23.9	37.0	51.6	60.3	71.0	90.7	98.2	99.1	112.2	139.6	208.6
25°	28.9	58.6	60.4	73.3	93.2	116.9	132.2	147.0	151.9	234.7	399.1
22.5°	40.5	86.2	96.0	87.2	116.9	147.4	180.0	221.6	284.5	380.0	623.9
20°	61.0	116.6	140.3	146.4	153.8	182.0	235.4	319.2	516.0	855.7	1179.8
17.5°	84.5	151.6	189.9	221.0	256.0	267.4	302.0	435.8	808.0	1534.0	2383.2
15°	110.5	190.2	243.4	304.5	369.2	418.9	491.5	700.3	1300.6	2470.7	3929.1
12.5°	137.9	231.6	300.0	394.9	490.6	579.5	715.7	1162.3	2172.1	3795.0	6007.3
10°	166.1	274.7	358.5	490.0	617.9	746.6	948.2	1691.1	3202.7	5206.4	7900.6
7.5°	196.9	317.0	416.7	587.4	748.4	917.2	1184.4	2259.9	4269.8	6510.0	9540.7
5°	227.0	356.5	468.4	665.4	855.2	1065.1	1398.8	2836.6	5328.8	7699.3	11027.6
2.5°	254.8	393.6	518.2	736.4	943.1	1173.4	1516.6	3074.5	5938.4	8576.9	12493.4
0°	279.3	427.6	565.1	801.4	1024.9	1274.1	1620.1	3246.6	6357.8	9249.9	13923.1
-2.5°	289.9	440.6	588.4	821.2	1021.6	1258.1	1620.6	3303.7	6717.2	10049.2	14645.1
-5°	296.4	449.7	607.0	834.1	1013.4	1234.3	1604.9	3278.5	6776.2	10233.9	14359.9
-7.5°	299.2	455.0	620.2	836.8	992.7	1187.1	1533.1	3039.0	6133.9	9386.4	13022.4
-10°	298.4	453.6	614.8	810.7	954.9	1124.3	1437.2	2723.5	5390.3	8429.9	11600.8
-12.5°	293.0	446.3	602.7	782.1	918.1	1058.3	1326.9	2335.1	4575.2	7393.1	10240.1
-15°	285.3	436.1	586.7	752.2	884.0	990.4	1202.8	1876.3	3725.7	6463.0	9147.5
-17.5°	275.8	423.2	566.9	722.2	854.1	921.9	1070.1	1417.4	2966.0	5466.7	8047.2
-20°	264.9	407.9	543.5	693.3	826.6	876.9	999.6	1277.9	2345.2	4356.4	6852.9



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	253.0	390.3	519.0	663.0	786.6	853.4	937.7	1130.4	1672.3	3141.0	5563.2
-25°	245.7	371.6	495.1	623.3	746.9	831.1	874.4	988.7	1264.3	2370.1	4202.6
-27.5°	240.9	353.2	462.9	580.4	707.6	803.4	839.1	917.7	1111.3	1570.5	2923.5
-30°	232.4	324.9	428.0	536.5	659.6	759.4	816.7	862.9	979.7	1231.2	2005.2
-32.5°	215.1	294.6	392.9	495.5	606.6	717.4	799.8	844.4	919.9	1050.0	1310.0
-35°	194.6	269.7	356.9	451.9	551.7	665.6	762.6	836.1	871.8	961.5	1128.1
-37.5°	175.7	243.0	319.3	408.2	502.0	606.8	720.0	802.9	862.1	903.3	1022.2
-40°	154.9	214.6	286.2	365.7	451.7	547.7	652.8	755.4	834.3	902.7	955.5
-42.5°	133.2	189.7	253.6	321.7	402.8	489.7	582.5	684.8	786.4	878.9	950.3
-45°	116.5	162.9	220.0	283.6	352.7	430.9	516.3	605.6	711.6	818.0	910.6
-47.5°	98.9	136.7	188.3	243.1	304.9	373.7	448.5	532.4	622.1	724.8	833.5
-50°	82.2	116.1	154.1	204.5	258.2	317.8	383.9	457.5	537.9	623.3	717.8
-52.5°	70.2	94.5	127.7	165.9	213.4	264.4	322.0	385.4	454.9	527.7	604.3
-55°	57.5	78.2	102.2	133.6	170.1	214.4	262.7	318.0	373.8	438.4	497.1
-57.5°	45.9	62.9	81.8	104.5	134.2	166.5	209.0	253.0	303.0	353.5	396.8
-60°	35.0	48.8	64.8	82.1	101.2	129.1	157.6	194.2	234.8	273.5	310.6
-62.5°	25.1	36.3	49.3	63.4	79.1	95.1	118.4	144.3	170.0	202.6	232.6
-65°	21.6	25.8	35.2	47.0	59.0	74.1	88.8	102.8	124.5	145.6	165.3
-67.5°	17.8	21.3	25.4	31.3	42.2	54.5	66.8	79.9	92.3	103.2	115.4
-70°	16.4	17.1	19.8	23.6	28.4	36.0	47.0	58.0	68.7	79.1	88.8
-72.5°	15.4	16.0	16.6	17.1	20.9	26.2	31.8	37.9	45.4	53.7	62.3
-75°	14.5	14.9	15.4	15.9	17.1	19.1	21.8	26.6	31.3	35.6	39.5
-77.5°	13.5	13.9	14.3	14.7	15.5	16.8	18.3	20.2	22.6	25.1	27.7
-80°	12.5	12.9	13.2	13.5	14.0	14.6	15.4	16.4	17.8	19.6	21.6
-82.5°	11.5	11.8	12.0	12.3	12.5	12.7	13.0	13.4	14.0	14.8	15.7
-85°	10.5	10.7	10.9	11.0	11.2	11.3	11.5	11.6	11.7	11.9	12.0
-87.5°	9.6	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.3
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.6	9.1	9.7	10.2	10.7	12.3	13.9	15.6	17.2	16.6	16.1
87.5°	8.6	8.1	7.5	7.0	6.4	5.9	5.4	4.8	4.3	3.8	3.2
85°	8.6	8.4	8.3	8.2	8.2	7.7	7.3	6.8	6.3	5.3	4.2
82.5°	8.6	8.6	8.6	8.6	8.6	8.1	7.5	7.0	6.4	5.4	4.3
80°	8.7	8.6	8.6	8.6	8.6	8.1	7.6	7.0	6.4	5.4	4.3
77.5°	8.9	9.0	9.0	8.9	8.7	8.2	7.6	7.0	6.5	5.5	4.4
75°	10.7	10.4	10.1	9.5	8.8	8.2	7.6	7.1	6.5	5.9	5.3
72.5°	12.5	12.1	11.5	11.1	10.5	10.1	9.6	9.1	8.3	7.8	7.4
70°	16.5	16.9	16.5	15.7	14.4	13.2	12.3	11.4	10.5	9.6	8.7
67.5°	22.3	22.4	21.2	19.5	17.0	14.6	13.5	12.4	11.2	10.6	10.4
65°	29.3	26.7	24.0	21.1	17.9	14.8	13.7	12.5	11.3	10.7	10.7
62.5°	35.6	28.8	23.2	19.7	17.0	14.8	13.2	11.7	10.2	9.2	9.0
60°	38.4	27.4	19.6	17.1	14.9	13.1	11.6	10.3	9.3	8.5	8.0
57.5°	38.4	26.0	16.6	14.4	12.6	11.2	10.4	9.8	9.2	8.5	7.9
55°	35.0	23.1	13.7	12.3	11.7	11.1	10.5	9.9	9.3	8.6	8.0
52.5°	28.5	20.3	14.6	12.5	11.9	11.3	10.6	10.0	9.4	8.7	8.1
50°	24.8	18.6	14.8	12.7	12.1	11.4	10.8	10.6	10.6	10.1	9.7
47.5°	21.5	17.0	14.7	13.0	12.7	13.6	14.3	14.4	14.1	13.6	13.1
45°	18.8	16.4	15.3	16.0	16.6	17.9	18.6	18.7	18.7	18.8	18.7
42.5°	18.7	18.8	20.0	22.2	22.0	24.8	26.1	23.1	26.4	28.3	26.7
40°	24.7	25.3	31.3	36.1	40.5	41.2	48.2	49.2	50.2	53.1	53.7
37.5°	36.2	42.5	60.9	74.6	80.4	80.8	91.1	93.2	90.3	102.6	106.2
35°	55.4	84.1	113.8	131.0	140.6	147.8	161.7	177.5	170.0	197.3	206.9
32.5°	99.5	151.9	205.9	203.9	222.2	271.2	289.4	318.3	348.4	394.4	444.9
30°	167.4	309.0	371.5	348.7	400.4	470.3	470.8	551.1	663.2	758.3	901.5
27.5°	377.0	535.6	617.4	654.0	693.1	781.5	891.0	993.2	1278.2	1472.9	1677.7
25°	640.0	859.0	946.6	1082.6	1206.0	1287.9	1618.9	1860.5	2270.1	2567.4	2875.1
22.5°	1031.9	1321.6	1502.9	1626.0	2041.7	2411.3	2765.0	3291.2	3697.9	4207.9	4592.2
20°	1522.7	1913.8	2580.0	3102.7	3363.8	4149.0	4788.6	5332.5	6053.9	6686.3	7248.8
17.5°	2873.2	3093.0	4484.8	5846.7	6397.3	7412.6	9251.6	9945.5	12022.5	13543.4	14364.8
15°	5202.5	6265.3	7731.1	10001.7	12520.6	14510.4	16253.6	19823.6	23786.7	27299.8	30998.7
12.5°	8226.8	10305.1	12772.1	15549.7	20088.0	23689.3	27546.6	32648.4	39050.6	44622.5	51177.6
10°	11256.4	14768.2	18178.4	22506.4	28239.0	33799.3	39355.1	47435.6	56839.9	65869.0	73675.7
7.5°	13761.4	18522.3	23143.7	29127.3	36935.5	44682.3	52447.5	63135.1	75572.7	85877.5	94736.4
5°	16311.0	22273.3	27694.4	34595.2	43784.9	53220.2	62937.7	76264.1	90955.0	102623.7	111763.9
2.5°	18652.2	25408.2	31682.9	39377.6	49611.3	58842.9	69904.4	86264.3	103769.6	116357.7	126434.1
0°	20543.1	26875.1	33578.8	41322.5	52813.4	62989.3	74843.3	92386.8	110703.9	123280.9	132579.1
-2.5°	20136.0	26540.7	32808.5	40676.0	52212.3	61580.5	73581.2	90842.3	108939.5	121717.6	130068.8
-5°	18865.4	24534.0	30161.7	37550.6	47695.1	56823.9	68576.3	86319.2	103678.4	116708.8	126318.1
-7.5°	16986.5	21799.6	26903.9	33636.8	42467.1	51199.6	61421.6	75561.9	91763.9	103550.4	110515.5
-10°	15008.4	18993.4	23773.7	29463.6	36751.4	44594.7	53083.9	64411.3	78255.7	88592.0	95199.6
-12.5°	13274.5	16727.2	20991.7	25199.9	31145.9	38131.5	45669.6	54939.0	64074.3	74974.0	80686.7
-15°	11677.4	14555.3	18219.7	22254.6	27195.7	32686.0	38087.3	45027.7	50976.7	57785.1	62731.7
-17.5°	10341.1	12639.5	15886.4	19796.6	23517.1	28244.9	33399.2	38100.6	43130.2	48045.0	52147.1
-20°	9133.5	11029.8	13798.3	17241.1	20906.7	24927.0	29475.3	33302.1	37412.0	41146.8	44355.2



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7761.1	9684.0	11828.1	14773.8	18444.8	22049.0	25417.1	28309.2	31414.8	34432.7	36711.0
-25°	6332.7	8178.3	10231.0	13010.9	16018.2	19050.9	21436.2	23472.4	25896.5	28071.2	30026.3
-27.5°	4855.7	6823.4	9037.4	11359.3	13975.1	15902.4	17909.7	19751.2	21593.5	23056.8	24707.8
-30°	3375.7	5522.8	7700.3	9898.0	11689.6	13228.1	14725.2	16414.0	18080.9	19471.6	20637.0
-32.5°	2318.2	3867.0	6064.3	8108.0	9639.5	10946.9	12103.3	13543.3	14835.1	15979.6	16999.2
-35°	1392.4	2483.4	3992.2	5934.5	7610.2	8882.3	10060.1	11152.0	12116.2	13080.2	13847.1
-37.5°	1192.8	1434.4	2349.6	3641.1	5235.9	6775.3	7985.4	9007.5	9906.0	10648.3	11299.1
-40°	1074.1	1217.0	1417.1	1857.7	3032.1	4207.7	5528.4	6693.4	7641.0	8338.3	8904.6
-42.5°	1004.0	1095.6	1193.6	1350.6	1525.1	2083.1	3093.6	4058.8	4891.6	5664.0	6327.1
-45°	992.1	1030.9	1083.6	1172.1	1252.7	1397.3	1555.2	1709.6	2364.6	2985.5	3494.8
-47.5°	917.8	996.9	1045.2	1084.9	1127.1	1195.5	1262.2	1333.7	1452.8	1564.6	1660.6
-50°	809.4	894.5	967.5	1038.9	1076.4	1104.1	1131.6	1167.2	1213.6	1256.1	1295.1
-52.5°	676.3	758.2	840.2	916.2	975.7	1030.4	1079.5	1102.5	1120.0	1136.0	1148.5
-55°	558.2	622.9	687.4	756.9	825.6	891.0	947.5	984.8	1018.3	1048.0	1073.4
-57.5°	446.8	497.3	549.8	606.3	661.1	713.8	764.2	810.0	850.7	886.2	915.9
-60°	346.2	380.1	424.0	468.9	511.6	552.0	592.8	629.8	663.3	692.8	715.9
-62.5°	259.8	288.0	321.3	352.9	380.9	411.1	449.1	481.0	507.2	528.3	546.9
-65°	186.6	210.1	236.9	263.5	289.5	315.4	341.9	367.6	392.0	411.6	425.4
-67.5°	132.4	149.1	168.0	184.4	203.9	226.5	250.6	272.7	292.8	306.6	315.0
-70°	97.6	107.4	121.1	136.8	153.1	168.1	183.5	198.8	213.9	224.5	232.5
-72.5°	71.2	80.9	90.9	101.1	112.0	123.2	134.3	145.7	157.0	164.0	168.9
-75°	43.1	48.8	57.6	66.1	74.3	82.1	89.3	96.2	102.5	105.8	108.0
-77.5°	31.0	35.0	39.3	43.7	48.3	52.8	57.4	61.9	66.4	68.4	70.0
-80°	23.6	25.9	28.4	30.9	33.6	36.3	39.1	41.9	44.8	45.2	45.2
-82.5°	16.8	18.4	20.1	21.7	23.3	24.8	26.3	27.8	29.2	29.5	29.7
-85°	12.1	13.1	14.1	15.2	16.4	17.5	18.7	19.8	21.0	21.2	21.3
-87.5°	10.3	10.9	11.5	12.1	12.7	13.3	13.9	14.5	15.1	15.0	15.0
-90°	8.6	8.1	7.5	7.0	6.4	5.9	5.4	4.8	4.3	3.8	3.2



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.6	15.0	15.0	15.0	15.0	15.0	15.6	16.1	16.6	17.2	15.6
87.5°	2.7	2.1	1.1	0.0	1.1	2.1	2.7	3.2	3.8	4.3	4.8
85°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.3	6.3	6.8
82.5°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.3	5.4	6.4	7.0
80°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.3	5.4	6.4	7.0
77.5°	3.3	2.2	2.1	2.1	2.1	2.2	3.3	4.4	5.5	6.5	7.0
75°	4.8	4.3	3.2	2.1	3.2	4.3	4.8	5.3	5.9	6.5	7.1
72.5°	6.9	6.4	6.4	6.4	6.4	6.4	6.9	7.4	7.8	8.3	9.1
70°	7.6	6.5	6.4	6.4	6.4	6.5	7.6	8.7	9.6	10.5	11.4
67.5°	10.5	10.6	9.7	8.6	9.7	10.6	10.5	10.4	10.6	11.2	12.4
65°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.3	12.5
62.5°	8.8	8.7	8.6	8.6	8.6	8.7	8.8	9.0	9.2	10.2	11.7
60°	7.4	6.7	6.4	6.4	6.4	6.7	7.4	8.0	8.5	9.3	10.3
57.5°	7.3	6.6	6.4	6.4	6.4	6.6	7.3	7.9	8.5	9.2	9.8
55°	7.3	6.6	6.4	6.4	6.4	6.6	7.3	8.0	8.6	9.3	9.9
52.5°	7.4	6.7	7.2	8.6	7.2	6.7	7.4	8.1	8.7	9.4	10.0
50°	9.2	8.8	8.6	8.6	8.6	8.8	9.2	9.7	10.1	10.6	10.6
47.5°	12.3	11.3	10.7	10.7	10.7	11.3	12.3	13.1	13.6	14.1	14.4
45°	17.5	15.9	14.9	15.0	14.9	15.9	17.5	18.7	18.8	18.7	18.7
42.5°	26.4	25.8	25.5	25.8	25.5	25.8	26.4	26.7	28.3	26.4	23.1
40°	56.6	57.4	57.2	58.0	57.2	57.4	56.6	53.7	53.1	50.2	49.2
37.5°	106.6	103.0	97.6	98.8	97.6	103.0	106.6	106.2	102.6	90.3	93.2
35°	208.0	213.4	213.1	214.9	213.1	213.4	208.0	206.9	197.3	170.0	177.5
32.5°	481.4	507.0	507.5	517.8	507.5	507.0	481.4	444.9	394.4	348.4	318.3
30°	945.8	966.1	935.4	949.7	935.4	966.1	945.8	901.5	758.3	663.2	551.1
27.5°	1784.2	1859.4	1858.6	1826.3	1858.6	1859.4	1784.2	1677.7	1472.9	1278.2	993.2
25°	3134.0	3250.1	3228.6	3190.7	3228.6	3250.1	3134.0	2875.1	2567.4	2270.1	1860.5
22.5°	4941.2	5133.1	5286.7	5186.8	5286.7	5133.1	4941.2	4592.2	4207.9	3697.9	3291.2
20°	8076.4	8131.1	8294.3	8235.7	8294.3	8131.1	8076.4	7248.8	6686.3	6053.9	5332.5
17.5°	16590.1	17185.3	16771.2	15511.0	16771.2	17185.3	16590.1	14364.8	13543.4	12022.5	9945.5
15°	33596.8	36091.4	38028.4	36965.1	38028.4	36091.4	33596.8	30998.7	27299.8	23786.7	19823.6
12.5°	55019.1	56859.8	58091.3	58181.7	58091.3	56859.8	55019.1	51177.6	44622.5	39050.6	32648.4
10°	78969.8	80596.2	82774.9	83081.1	82774.9	80596.2	78969.8	73675.7	65869.0	56839.9	47435.6
7.5°	99133.0	102431.3	103958.3	103753.1	103958.3	102431.3	99133.0	94736.4	85877.5	75572.7	63135.1
5°	117165.5	120582.6	122079.4	122328.0	122079.4	120582.6	117165.5	111763.9	102623.7	90955.0	76264.1
2.5°	132469.7	135919.5	137717.7	137224.5	137717.7	135919.5	132469.7	126434.1	116357.7	103769.6	86264.3
0°	137421.1	140138.0	141645.2	141231.7	141645.2	140138.0	137421.1	132579.1	123280.9	110703.9	92386.8
-2.5°	134273.5	135910.7	137046.6	136607.8	137046.6	135910.7	134273.5	130068.8	121717.6	108939.5	90842.3
-5°	130785.3	132727.9	133152.9	133672.8	133152.9	132727.9	130785.3	126318.1	116708.8	103678.4	86319.2
-7.5°	113164.9	115243.1	115929.4	116969.3	115929.4	115243.1	113164.9	110515.5	103550.4	91763.9	75561.9
-10°	98795.2	101125.9	101238.2	101879.5	101238.2	101125.9	98795.2	95199.6	88592.0	78255.7	64411.3
-12.5°	86758.5	89965.9	91030.1	90775.4	91030.1	89965.9	86758.5	80686.7	74974.0	64074.3	54939.0
-15°	69317.4	72057.2	72252.8	72380.9	72252.8	72057.2	69317.4	62731.7	57785.1	50976.7	45027.7
-17.5°	56499.9	59162.4	60188.7	60507.6	60188.7	59162.4	56499.9	52147.1	48045.0	43130.2	38100.6
-20°	47109.4	49091.5	50345.2	50864.5	50345.2	49091.5	47109.4	44355.2	41146.8	37412.0	33302.1



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	38702.3	39958.7	40417.0	40531.8	40417.0	39958.7	38702.3	36711.0	34432.7	31414.8	28309.2
-25°	31399.7	32397.7	32977.8	33220.0	32977.8	32397.7	31399.7	30026.3	28071.2	25896.5	23472.4
-27.5°	25778.7	26666.9	27225.4	27311.3	27225.4	26666.9	25778.7	24707.8	23056.8	21593.5	19751.2
-30°	21529.2	22309.2	22831.1	22973.2	22831.1	22309.2	21529.2	20637.0	19471.6	18080.9	16414.0
-32.5°	17839.2	18506.8	18916.2	19092.7	18916.2	18506.8	17839.2	16999.2	15979.6	14835.1	13543.3
-35°	14419.6	14868.4	15130.7	15044.7	15130.7	14868.4	14419.6	13847.1	13080.2	12116.2	11152.0
-37.5°	11821.0	12182.0	12378.5	12389.0	12378.5	12182.0	11821.0	11299.1	10648.3	9906.0	9007.5
-40°	9373.7	9740.5	9961.5	9973.9	9961.5	9740.5	9373.7	8904.6	8338.3	7641.0	6693.4
-42.5°	6854.4	7229.9	7486.4	7653.4	7486.4	7229.9	6854.4	6327.1	5664.0	4891.6	4058.8
-45°	3919.8	4244.2	4491.6	4671.1	4491.6	4244.2	3919.8	3494.8	2985.5	2364.6	1709.6
-47.5°	1732.3	1785.0	1807.9	1800.6	1807.9	1785.0	1732.3	1660.6	1564.6	1452.8	1333.7
-50°	1330.9	1362.0	1377.6	1377.3	1377.6	1362.0	1330.9	1295.1	1256.1	1213.6	1167.2
-52.5°	1158.4	1166.3	1170.9	1173.2	1170.9	1166.3	1158.4	1148.5	1136.0	1120.0	1102.5
-55°	1094.4	1110.8	1116.9	1115.1	1116.9	1110.8	1094.4	1073.4	1048.0	1018.3	984.8
-57.5°	941.2	961.5	975.0	981.9	975.0	961.5	941.2	915.9	886.2	850.7	810.0
-60°	733.3	745.4	753.0	756.3	753.0	745.4	733.3	715.9	692.8	663.3	629.8
-62.5°	563.2	577.0	583.9	586.6	583.9	577.0	563.2	546.9	528.3	507.2	481.0
-65°	437.5	447.6	453.1	455.5	453.1	447.6	437.5	425.4	411.6	392.0	367.6
-67.5°	321.3	325.7	328.0	328.7	328.0	325.7	321.3	315.0	306.6	292.8	272.7
-70°	239.9	246.5	250.6	253.5	250.6	246.5	239.9	232.5	224.5	213.9	198.8
-72.5°	173.0	176.4	178.9	180.5	178.9	176.4	173.0	168.9	164.0	157.0	145.7
-75°	109.6	110.8	111.5	111.7	111.5	110.8	109.6	108.0	105.8	102.5	96.2
-77.5°	71.3	72.5	74.0	75.2	74.0	72.5	71.3	70.0	68.4	66.4	61.9
-80°	45.1	44.9	45.0	45.1	45.0	44.9	45.1	45.2	45.2	44.8	41.9
-82.5°	29.9	30.0	30.1	30.1	30.1	30.0	29.9	29.7	29.5	29.2	27.8
-85°	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.3	21.2	21.0	19.8
-87.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.1	14.5
-90°	2.6	2.1	1.0	0.0	1.0	2.1	2.7	3.2	3.8	4.3	4.8



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.9	12.3	10.7	10.2	9.7	9.1	8.6	8.6	8.6	8.6	8.6
87.5°	5.4	5.9	6.4	7.0	7.5	8.1	8.6	8.6	8.6	8.6	8.6
85°	7.3	7.7	8.2	8.2	8.3	8.4	8.6	8.6	8.6	8.6	8.6
82.5°	7.5	8.1	8.6	8.6	8.6	8.6	8.6	8.8	8.9	8.9	8.8
80°	7.6	8.1	8.6	8.6	8.6	8.6	8.7	9.2	9.7	10.2	10.3
77.5°	7.6	8.2	8.7	8.9	9.0	9.0	8.9	9.3	9.8	10.3	10.7
75°	7.6	8.2	8.8	9.5	10.1	10.4	10.7	10.9	11.1	11.3	11.1
72.5°	9.6	10.1	10.5	11.1	11.5	12.1	12.5	12.7	12.8	12.9	12.4
70°	12.3	13.2	14.4	15.7	16.5	16.9	16.5	15.7	14.8	14.5	13.8
67.5°	13.5	14.6	17.0	19.5	21.2	22.4	22.3	21.1	19.7	18.6	16.1
65°	13.7	14.8	17.9	21.1	24.0	26.7	29.3	29.6	28.3	25.1	19.4
62.5°	13.2	14.8	17.0	19.7	23.2	28.8	35.6	38.6	39.0	34.4	26.3
60°	11.6	13.1	14.9	17.1	19.6	27.4	38.4	46.5	51.4	43.6	32.8
57.5°	10.4	11.2	12.6	14.4	16.6	26.0	38.4	52.0	60.9	49.1	38.3
55°	10.5	11.1	11.7	12.3	13.7	23.1	35.0	48.5	57.1	50.7	38.6
52.5°	10.6	11.3	11.9	12.5	14.6	20.3	28.5	41.4	46.1	41.4	34.9
50°	10.8	11.4	12.1	12.7	14.8	18.6	24.8	33.6	34.0	32.4	27.3
47.5°	14.3	13.6	12.7	13.0	14.7	17.0	21.5	25.4	26.6	24.9	21.3
45°	18.6	17.9	16.6	16.0	15.3	16.4	18.8	21.4	22.4	21.6	17.7
42.5°	26.1	24.8	22.0	22.2	20.0	18.8	18.7	20.7	20.9	20.4	19.9
40°	48.2	41.2	40.5	36.1	31.3	25.3	24.7	23.6	23.2	21.0	24.6
37.5°	91.1	80.8	80.4	74.6	60.9	42.5	36.2	32.1	28.6	30.6	33.5
35°	161.7	147.8	140.6	131.0	113.8	84.1	55.4	45.2	40.9	43.2	45.6
32.5°	289.4	271.2	222.2	203.9	205.9	151.9	99.5	65.3	61.9	60.8	58.9
30°	470.8	470.3	400.4	348.7	371.5	309.0	167.4	121.7	93.0	82.4	74.6
27.5°	891.0	781.5	693.1	654.0	617.4	535.6	377.0	208.6	139.6	112.2	99.1
25°	1618.9	1287.9	1206.0	1082.6	946.6	859.0	640.0	399.1	234.7	151.9	147.0
22.5°	2765.0	2411.3	2041.7	1626.0	1502.9	1321.6	1031.9	623.9	380.0	284.5	221.6
20°	4788.6	4149.0	3363.8	3102.7	2580.0	1913.8	1522.7	1179.8	855.7	516.0	319.2
17.5°	9251.6	7412.6	6397.3	5846.7	4484.8	3093.0	2873.2	2383.2	1534.0	808.0	435.8
15°	16253.6	14510.4	12520.6	10001.7	7731.1	6265.3	5202.5	3929.1	2470.7	1300.6	700.3
12.5°	27546.6	23689.3	20088.0	15549.7	12772.1	10305.1	8226.8	6007.3	3795.0	2172.1	1162.3
10°	39355.1	33799.3	28239.0	22506.4	18178.4	14768.2	11256.4	7900.6	5206.4	3202.7	1691.1
7.5°	52447.5	44682.3	36935.5	29127.3	23143.7	18522.3	13761.4	9540.7	6510.0	4269.8	2259.9
5°	62937.7	53220.2	43784.9	34595.2	27694.4	22273.3	16311.0	11027.6	7699.3	5328.8	2836.6
2.5°	69904.4	58842.9	49611.3	39377.6	31682.9	25408.2	18652.2	12493.4	8576.9	5938.4	3074.5
0°	74843.3	62989.3	52813.4	41322.5	33578.8	26875.1	20543.1	13923.1	9249.9	6357.8	3246.6
-2.5°	73581.2	61580.5	52212.3	40676.0	32808.5	26540.7	20136.0	14645.1	10049.2	6717.2	3303.7
-5°	68576.3	56823.9	47695.1	37550.6	30161.7	24534.0	18865.4	14359.9	10233.9	6776.2	3278.5
-7.5°	61421.6	51199.6	42467.1	33636.8	26903.9	21799.6	16986.5	13022.4	9386.4	6133.9	3039.0
-10°	53083.9	44594.7	36751.4	29463.6	23773.7	18993.4	15008.4	11600.8	8429.9	5390.3	2723.5
-12.5°	45669.6	38131.5	31145.9	25199.9	20991.7	16727.2	13274.5	10240.1	7393.1	4575.2	2335.1
-15°	38087.3	32686.0	27195.7	22254.6	18219.7	14555.3	11677.4	9147.5	6463.0	3725.7	1876.3
-17.5°	33399.2	28244.9	23517.1	19796.6	15886.4	12639.5	10341.1	8047.2	5466.7	2966.0	1417.4
-20°	29475.3	24927.0	20906.7	17241.1	13798.3	11029.8	9133.5	6852.9	4356.4	2345.2	1277.9



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25417.1	22049.0	18444.8	14773.8	11828.1	9684.0	7761.1	5563.2	3141.0	1672.3	1130.4
-25°	21436.2	19050.9	16018.2	13010.9	10231.0	8178.3	6332.7	4202.6	2370.1	1264.3	988.7
-27.5°	17909.7	15902.4	13975.1	11359.3	9037.4	6823.4	4855.7	2923.5	1570.5	1111.3	917.7
-30°	14725.2	13228.1	11689.6	9898.0	7700.3	5522.8	3375.7	2005.2	1231.2	979.7	862.9
-32.5°	12103.3	10946.9	9639.5	8108.0	6064.3	3867.0	2318.2	1310.0	1050.0	919.9	844.4
-35°	10060.1	8882.3	7610.2	5934.5	3992.2	2483.4	1392.4	1128.1	961.5	871.8	836.1
-37.5°	7985.4	6775.3	5235.9	3641.1	2349.6	1434.4	1192.8	1022.2	903.3	862.1	802.9
-40°	5528.4	4207.7	3032.1	1857.7	1417.1	1217.0	1074.1	955.5	902.7	834.3	755.4
-42.5°	3093.6	2083.1	1525.1	1350.6	1193.6	1095.6	1004.0	950.3	878.9	786.4	684.8
-45°	1555.2	1397.3	1252.7	1172.1	1083.6	1030.9	992.1	910.6	818.0	711.6	605.6
-47.5°	1262.2	1195.5	1127.1	1084.9	1045.2	996.9	917.8	833.5	724.8	622.1	532.4
-50°	1131.6	1104.1	1076.4	1038.9	967.5	894.5	809.4	717.8	623.3	537.9	457.5
-52.5°	1079.5	1030.4	975.7	916.2	840.2	758.2	676.3	604.3	527.7	454.9	385.4
-55°	947.5	891.0	825.6	756.9	687.4	622.9	558.2	497.1	438.4	373.8	318.0
-57.5°	764.2	713.8	661.1	606.3	549.8	497.3	446.8	396.8	353.5	303.0	253.0
-60°	592.8	552.0	511.6	468.9	424.0	380.1	346.2	310.6	273.5	234.8	194.2
-62.5°	449.1	411.1	380.9	352.9	321.3	288.0	259.8	232.6	202.6	170.0	144.3
-65°	341.9	315.4	289.5	263.5	236.9	210.1	186.6	165.3	145.6	124.5	102.8
-67.5°	250.6	226.5	203.9	184.4	168.0	149.1	132.4	115.4	103.2	92.3	79.9
-70°	183.5	168.1	153.1	136.8	121.1	107.4	97.6	88.8	79.1	68.7	58.0
-72.5°	134.3	123.2	112.0	101.1	90.9	80.9	71.2	62.3	53.7	45.4	37.9
-75°	89.3	82.1	74.3	66.1	57.6	48.8	43.1	39.5	35.6	31.3	26.6
-77.5°	57.4	52.8	48.3	43.7	39.3	35.0	31.0	27.7	25.1	22.6	20.2
-80°	39.1	36.3	33.6	30.9	28.4	25.9	23.6	21.6	19.6	17.8	16.4
-82.5°	26.3	24.8	23.3	21.7	20.1	18.4	16.8	15.7	14.8	14.0	13.4
-85°	18.7	17.5	16.4	15.2	14.1	13.1	12.1	12.0	11.9	11.7	11.6
-87.5°	13.9	13.3	12.7	12.1	11.5	10.9	10.3	10.3	10.2	10.1	10.1
-90°	5.4	5.9	6.4	7.0	7.5	8.1	8.6	8.6	8.6	8.6	8.6





REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.8	9.0	9.1
85°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	9.0	9.3	9.6
82.5°	8.6	8.6	8.6	8.6	8.9	9.1	9.2	9.2	9.4	9.7	10.0
80°	10.1	9.8	9.5	9.3	9.4	9.7	10.0	10.1	10.0	10.1	10.3
77.5°	10.7	10.7	10.7	10.4	10.2	10.2	10.4	10.7	10.6	10.4	10.5
75°	10.7	10.7	10.7	10.7	10.7	10.7	10.6	10.7	10.7	10.7	10.6
72.5°	11.6	11.1	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
70°	12.7	11.6	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
67.5°	14.0	12.8	11.6	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7
65°	16.5	14.3	12.8	11.7	11.0	10.7	10.7	10.7	10.7	10.7	10.7
62.5°	20.0	15.8	13.9	12.5	11.4	10.9	10.7	10.7	10.7	10.7	10.7
60°	24.4	18.3	15.1	13.5	12.1	11.0	10.7	10.7	10.7	10.7	10.7
57.5°	27.9	20.2	17.3	14.8	13.0	11.4	10.7	10.7	10.7	10.7	10.7
55°	29.3	21.9	19.3	16.9	14.2	12.2	11.0	10.7	10.7	10.7	10.7
52.5°	26.1	22.6	21.0	18.6	16.0	13.3	11.9	10.7	10.7	10.7	10.7
50°	20.5	21.4	21.4	19.7	17.6	14.9	12.7	11.4	10.7	10.7	10.8
47.5°	18.1	20.1	20.6	20.2	18.3	16.4	13.8	12.1	10.7	10.7	11.0
45°	18.6	19.3	20.1	19.7	19.0	17.2	14.9	12.8	11.3	10.9	11.2
42.5°	20.6	20.6	20.3	19.4	19.2	17.8	15.8	13.6	11.9	11.2	11.4
40°	24.8	23.5	21.6	21.2	19.6	18.3	16.4	14.3	12.5	11.7	11.7
37.5°	30.4	28.1	25.0	25.6	21.2	19.0	16.9	14.8	13.4	12.4	12.1
35°	41.9	34.4	32.4	32.2	27.0	19.8	17.3	15.2	14.4	13.2	12.4
32.5°	56.9	46.2	43.2	40.1	34.6	20.9	18.0	16.6	15.4	13.9	12.9
30°	72.9	67.2	55.6	48.9	43.3	27.9	19.9	18.2	16.4	14.7	13.4
27.5°	98.2	90.7	71.0	60.3	51.6	37.0	23.9	20.1	17.5	15.5	14.0
25°	132.2	116.9	93.2	73.3	60.4	58.6	28.9	22.3	18.9	16.4	14.6
22.5°	180.0	147.4	116.9	87.2	96.0	86.2	40.5	26.1	20.6	17.3	15.2
20°	235.4	182.0	153.8	146.4	140.3	116.6	61.0	30.5	22.4	18.2	15.7
17.5°	302.0	267.4	256.0	221.0	189.9	151.6	84.5	35.3	24.2	19.1	16.3
15°	491.5	418.9	369.2	304.5	243.4	190.2	110.5	40.4	26.1	20.1	16.7
12.5°	715.7	579.5	490.6	394.9	300.0	231.6	137.9	45.7	28.0	20.8	16.8
10°	948.2	746.6	617.9	490.0	358.5	274.7	166.1	51.5	30.5	21.5	17.0
7.5°	1184.4	917.2	748.4	587.4	416.7	317.0	196.9	58.4	33.2	22.1	17.1
5°	1398.8	1065.1	855.2	665.4	468.4	356.5	227.0	65.1	35.9	22.7	17.1
2.5°	1516.6	1173.4	943.1	736.4	518.2	393.6	254.8	71.5	38.4	23.2	17.2
0°	1620.1	1274.1	1024.9	801.4	565.1	427.6	279.3	77.4	40.8	23.6	17.2
-2.5°	1620.6	1258.1	1021.6	821.2	588.4	440.6	289.9	94.5	51.3	29.4	19.2
-5°	1604.9	1234.3	1013.4	834.1	607.0	449.7	296.4	110.5	61.2	34.9	21.1
-7.5°	1533.1	1187.1	992.7	836.8	620.2	455.0	299.2	124.9	70.4	40.0	22.8
-10°	1437.2	1124.3	954.9	810.7	614.8	453.6	298.4	137.6	78.5	44.4	24.3
-12.5°	1326.9	1058.3	918.1	782.1	602.7	446.3	293.0	147.3	85.4	48.0	25.5
-15°	1202.8	990.4	884.0	752.2	586.7	436.1	285.3	154.4	91.2	51.0	26.2
-17.5°	1070.1	921.9	854.1	722.2	566.9	423.2	275.8	159.2	95.4	53.6	27.5
-20°	999.6	876.9	826.6	693.3	543.5	407.9	264.9	161.5	97.9	55.1	29.0



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	937.7	853.4	786.6	663.0	519.0	390.3	253.0	161.1	98.5	55.6	30.0
-25°	874.4	831.1	746.9	623.3	495.1	371.6	245.7	157.8	97.1	54.9	30.5
-27.5°	839.1	803.4	707.6	580.4	462.9	353.2	240.9	155.9	94.7	53.0	30.4
-30°	816.7	759.4	659.6	536.5	428.0	324.9	232.4	151.4	92.3	51.8	29.8
-32.5°	799.8	717.4	606.6	495.5	392.9	294.6	215.1	144.0	88.2	51.0	29.6
-35°	762.6	665.6	551.7	451.9	356.9	269.7	194.6	133.8	82.4	49.4	29.0
-37.5°	720.0	606.8	502.0	408.2	319.3	243.0	175.7	119.9	74.8	46.9	27.8
-40°	652.8	547.7	451.7	365.7	286.2	214.6	154.9	106.8	69.8	43.7	25.8
-42.5°	582.5	489.7	402.8	321.7	253.6	189.7	133.2	92.7	63.5	40.4	23.2
-45°	516.3	430.9	352.7	283.6	220.0	162.9	116.5	78.7	56.3	36.6	20.9
-47.5°	448.5	373.7	304.9	243.1	188.3	136.7	98.9	69.8	48.4	31.8	19.7
-50°	383.9	317.8	258.2	204.5	154.1	116.1	82.2	60.0	41.4	25.6	18.2
-52.5°	322.0	264.4	213.4	165.9	127.7	94.5	70.2	49.7	34.0	22.2	16.5
-55°	262.7	214.4	170.1	133.6	102.2	78.2	57.5	40.9	26.2	19.9	14.8
-57.5°	209.0	166.5	134.2	104.5	81.8	62.9	45.9	31.6	22.4	17.5	14.4
-60°	157.6	129.1	101.2	82.1	64.8	48.8	35.0	24.1	19.6	15.4	13.9
-62.5°	118.4	95.1	79.1	63.4	49.3	36.3	25.1	21.0	16.7	14.9	13.4
-65°	88.8	74.1	59.0	47.0	35.2	25.8	21.6	17.7	15.6	14.3	13.1
-67.5°	66.8	54.5	42.2	31.3	25.4	21.3	17.8	16.2	14.9	13.7	13.1
-70°	47.0	36.0	28.4	23.6	19.8	17.1	16.4	15.4	14.2	13.5	13.0
-72.5°	31.8	26.2	20.9	17.1	16.6	16.0	15.4	14.6	13.8	13.2	12.9
-75°	21.8	19.1	17.1	15.9	15.4	14.9	14.5	13.9	13.3	12.9	12.4
-77.5°	18.3	16.8	15.5	14.7	14.3	13.9	13.5	13.1	12.7	12.2	11.8
-80°	15.4	14.6	14.0	13.5	13.2	12.9	12.5	12.2	11.9	11.5	11.1
-82.5°	13.0	12.7	12.5	12.3	12.0	11.8	11.5	11.3	11.0	10.8	10.5
-85°	11.5	11.3	11.2	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.9
-87.5°	10.0	9.9	9.9	9.8	9.7	9.6	9.6	9.5	9.4	9.3	9.2
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6
87.5°	9.1	9.1	9.0	8.9	8.8	8.6	8.6
85°	9.7	9.5	9.3	9.1	9.0	8.7	8.6
82.5°	10.2	10.0	9.7	9.4	9.1	8.7	8.6
80°	10.7	10.4	10.1	9.7	9.3	8.8	8.6
77.5°	10.7	10.7	10.4	10.0	9.5	8.8	8.6
75°	10.7	10.7	10.7	10.2	9.6	8.9	8.6
72.5°	10.7	10.7	10.7	10.5	9.8	8.9	8.6
70°	10.7	10.7	10.7	10.7	9.9	8.9	8.6
67.5°	10.7	10.7	10.7	10.7	10.1	9.0	8.6
65°	10.7	10.7	10.7	10.7	10.2	9.0	8.6
62.5°	10.7	10.7	10.7	10.7	10.3	9.0	8.6
60°	10.7	10.7	10.7	10.7	10.4	9.1	8.6
57.5°	10.7	10.7	10.7	10.7	10.4	9.1	8.6
55°	10.7	10.7	10.7	10.7	10.4	9.1	8.6
52.5°	10.7	10.7	10.7	10.7	10.4	9.1	8.6
50°	10.7	10.7	10.7	10.7	10.3	9.1	8.6
47.5°	10.7	10.7	10.7	10.7	10.3	9.1	8.6
45°	10.9	10.7	10.7	10.7	10.3	9.1	8.6
42.5°	11.1	10.7	10.7	10.7	10.3	9.1	8.6
40°	11.4	10.7	10.7	10.7	10.3	9.1	8.6
37.5°	11.6	10.7	10.7	10.7	10.4	9.1	8.6
35°	11.9	10.8	10.7	10.7	10.4	9.1	8.6
32.5°	12.3	11.1	10.7	10.7	10.4	9.1	8.6
30°	12.6	11.3	10.7	10.7	10.4	9.1	8.6
27.5°	13.0	11.6	10.7	10.7	10.4	9.0	8.6
25°	13.3	11.8	10.7	10.7	10.5	9.0	8.6
22.5°	13.7	12.1	10.7	10.7	10.5	9.0	8.6
20°	14.1	12.2	10.7	10.7	10.5	8.9	8.6
17.5°	14.4	12.4	10.7	10.7	10.6	8.9	8.6
15°	14.6	12.5	10.7	10.7	10.6	8.9	8.6
12.5°	14.7	12.6	10.7	10.7	10.6	8.8	8.6
10°	14.8	12.7	10.7	10.7	10.6	8.8	8.6
7.5°	14.9	12.8	10.7	10.7	10.7	8.7	8.6
5°	15.0	12.9	10.7	10.7	10.7	8.7	8.6
2.5°	15.0	12.9	10.7	10.7	10.7	8.6	8.6
0°	15.0	12.9	10.7	10.7	10.7	8.6	8.6
-2.5°	15.3	13.1	10.9	10.7	10.7	8.6	8.6
-5°	15.5	13.3	11.1	10.7	10.7	8.7	8.6
-7.5°	15.8	13.5	11.3	10.7	10.7	8.7	8.6
-10°	16.0	13.7	11.4	10.7	10.6	8.8	8.6
-12.5°	16.1	13.8	11.6	10.7	10.6	8.8	8.6
-15°	16.3	13.9	11.7	10.7	10.6	8.9	8.6
-17.5°	16.4	14.0	11.8	10.7	10.6	8.9	8.6
-20°	16.9	14.1	11.8	10.7	10.5	8.9	8.6



REPORT NUMBER: P731708 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-5S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.9	14.1	11.9	10.7	10.5	9.0	8.6
-25°	18.5	14.2	11.9	10.7	10.5	9.0	8.6
-27.5°	18.8	14.2	11.8	10.7	10.4	9.0	8.6
-30°	18.7	14.1	11.7	10.7	10.4	9.1	8.6
-32.5°	18.1	14.0	11.6	10.7	10.4	9.1	8.6
-35°	17.7	13.7	11.5	10.7	10.4	9.1	8.6
-37.5°	17.4	13.4	11.3	10.7	10.4	9.1	8.6
-40°	16.9	13.2	11.1	10.7	10.3	9.1	8.6
-42.5°	16.2	12.9	11.1	10.7	10.3	9.1	8.6
-45°	15.4	12.7	11.2	10.8	10.3	9.1	8.6
-47.5°	14.4	12.4	11.2	10.8	10.3	9.1	8.6
-50°	13.9	12.1	11.3	10.9	10.3	9.1	8.6
-52.5°	13.6	11.9	11.4	10.9	10.4	9.1	8.6
-55°	13.2	11.9	11.4	10.9	10.4	9.1	8.6
-57.5°	12.8	11.9	11.5	10.9	10.4	9.1	8.6
-60°	12.5	12.0	11.5	10.9	10.4	9.1	8.6
-62.5°	12.5	12.0	11.4	10.8	10.3	9.0	8.6
-65°	12.6	12.1	11.3	10.8	10.2	9.0	8.6
-67.5°	12.7	12.0	11.2	10.8	10.1	9.0	8.6
-70°	12.7	11.7	11.1	10.7	9.9	8.9	8.6
-72.5°	12.3	11.5	10.9	10.5	9.8	8.9	8.6
-75°	11.8	11.1	10.7	10.2	9.6	8.9	8.6
-77.5°	11.3	10.8	10.4	10.0	9.5	8.8	8.6
-80°	10.8	10.4	10.1	9.7	9.3	8.8	8.6
-82.5°	10.2	10.0	9.7	9.4	9.1	8.7	8.6
-85°	9.7	9.5	9.3	9.1	9.0	8.7	8.6
-87.5°	9.1	9.1	9.0	8.9	8.8	8.6	8.6
-90°	8.6	8.6	8.6	8.6	8.6	8.6	8.6

(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

