

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: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-7F-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-44)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-7F-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

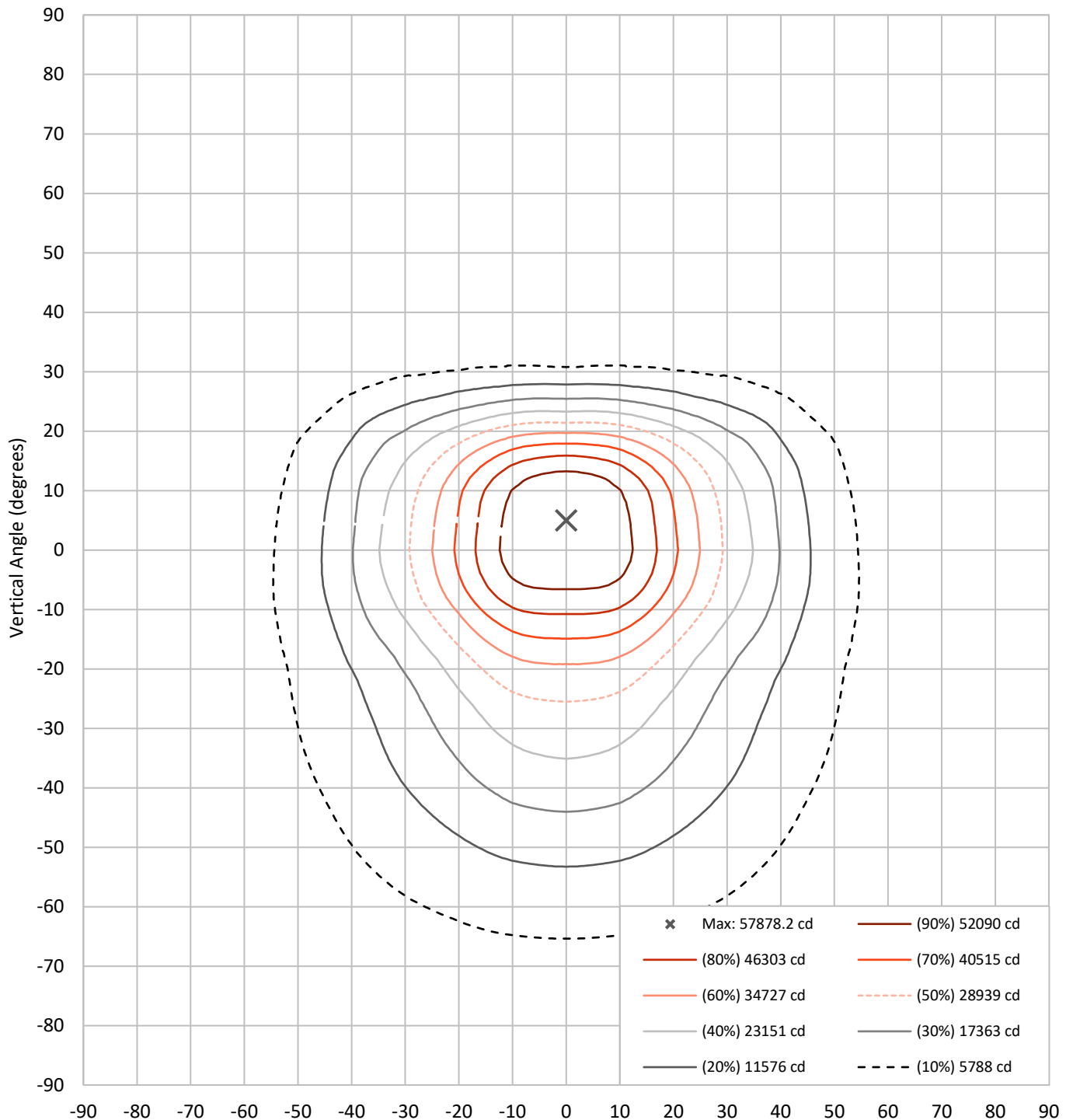
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	56710.9 lumens	Max Intensity:	57878.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	81.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.7°H x 46.8°V	Field Angle (10%):	107.9°H x 96.1°V
Beam Lumens:	27276.7 lumens	Field Lumens:	52572.6 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

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

REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

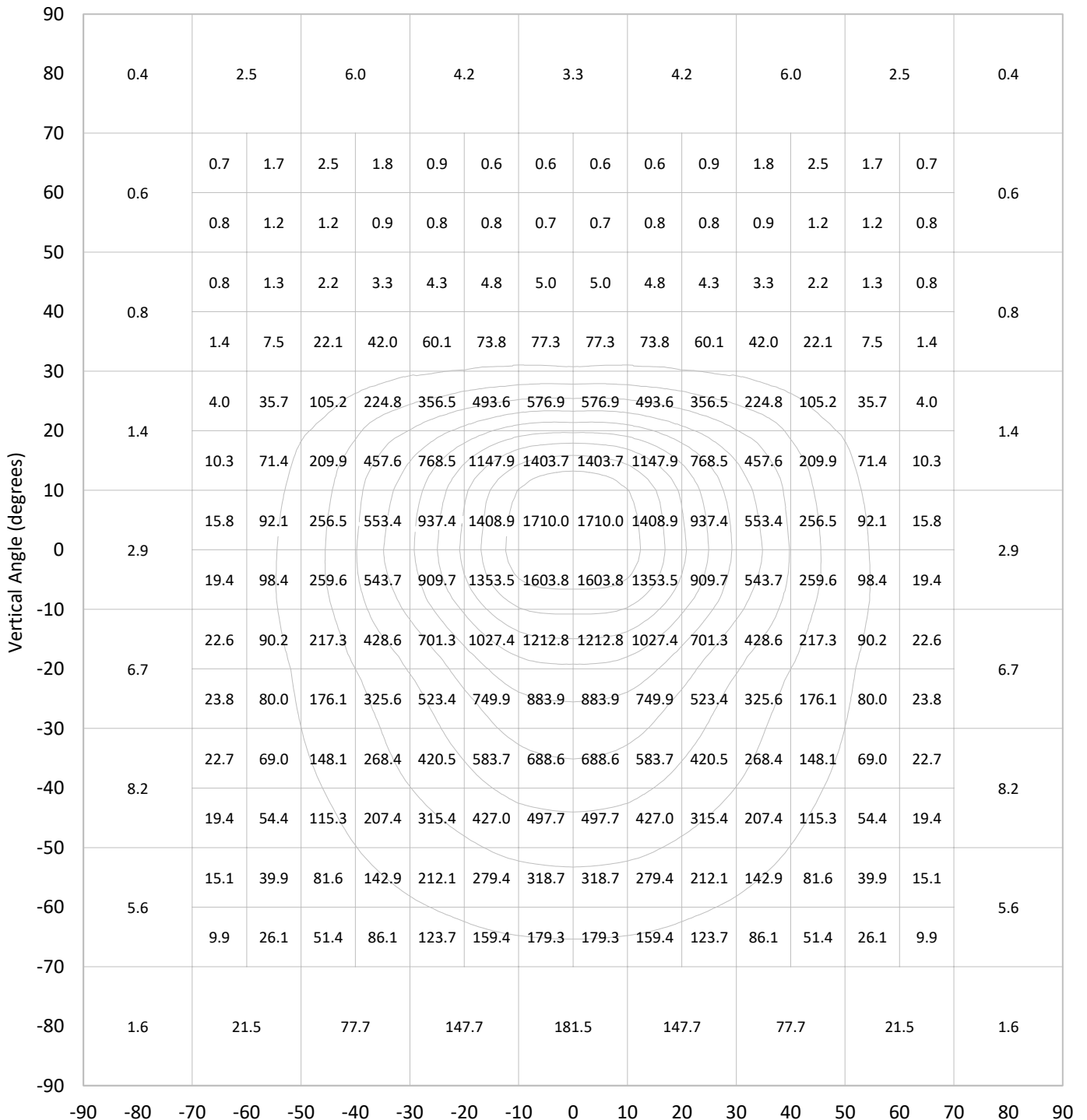
Iso-Candela Plot





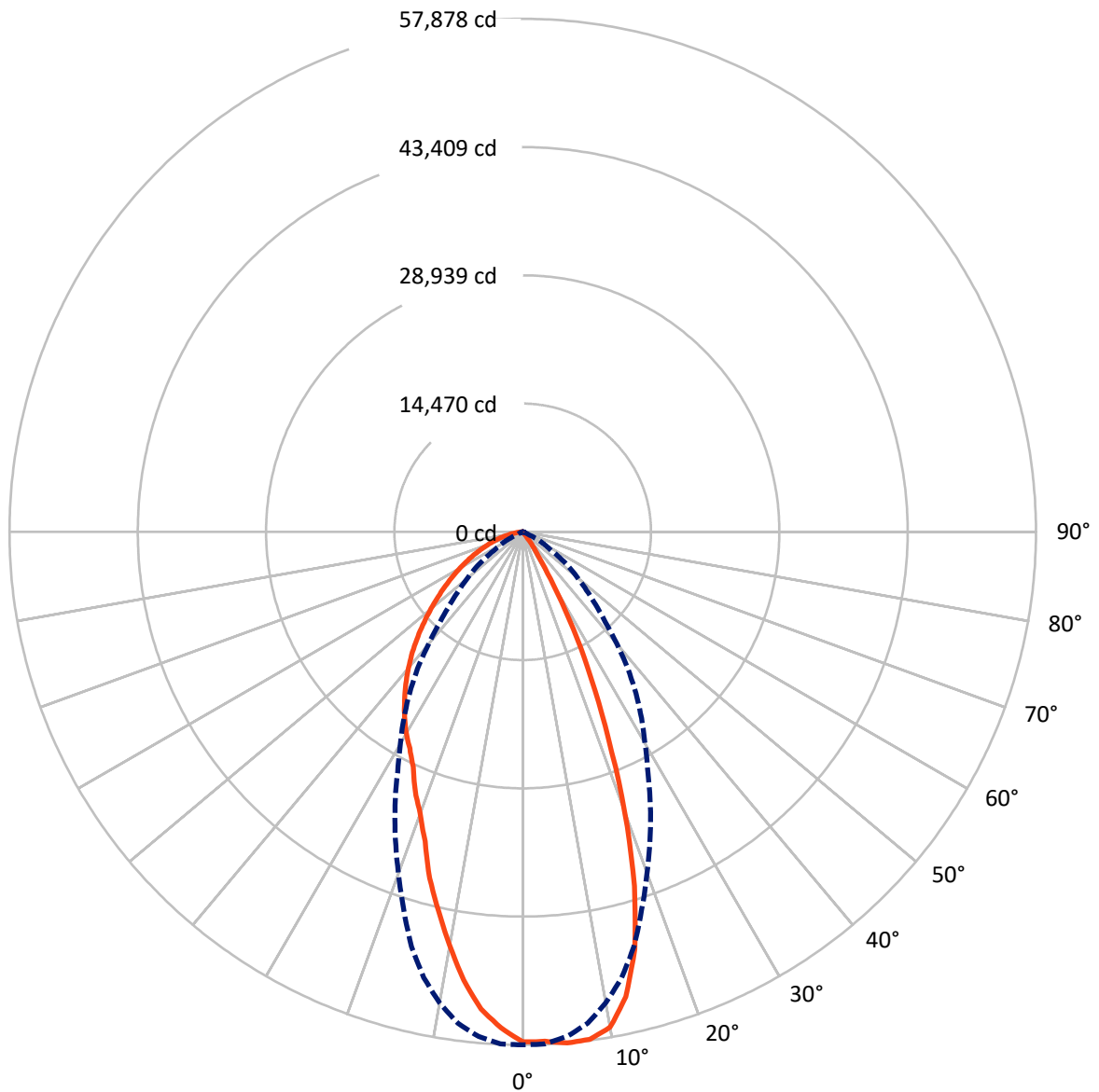
REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

Lumen Table



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

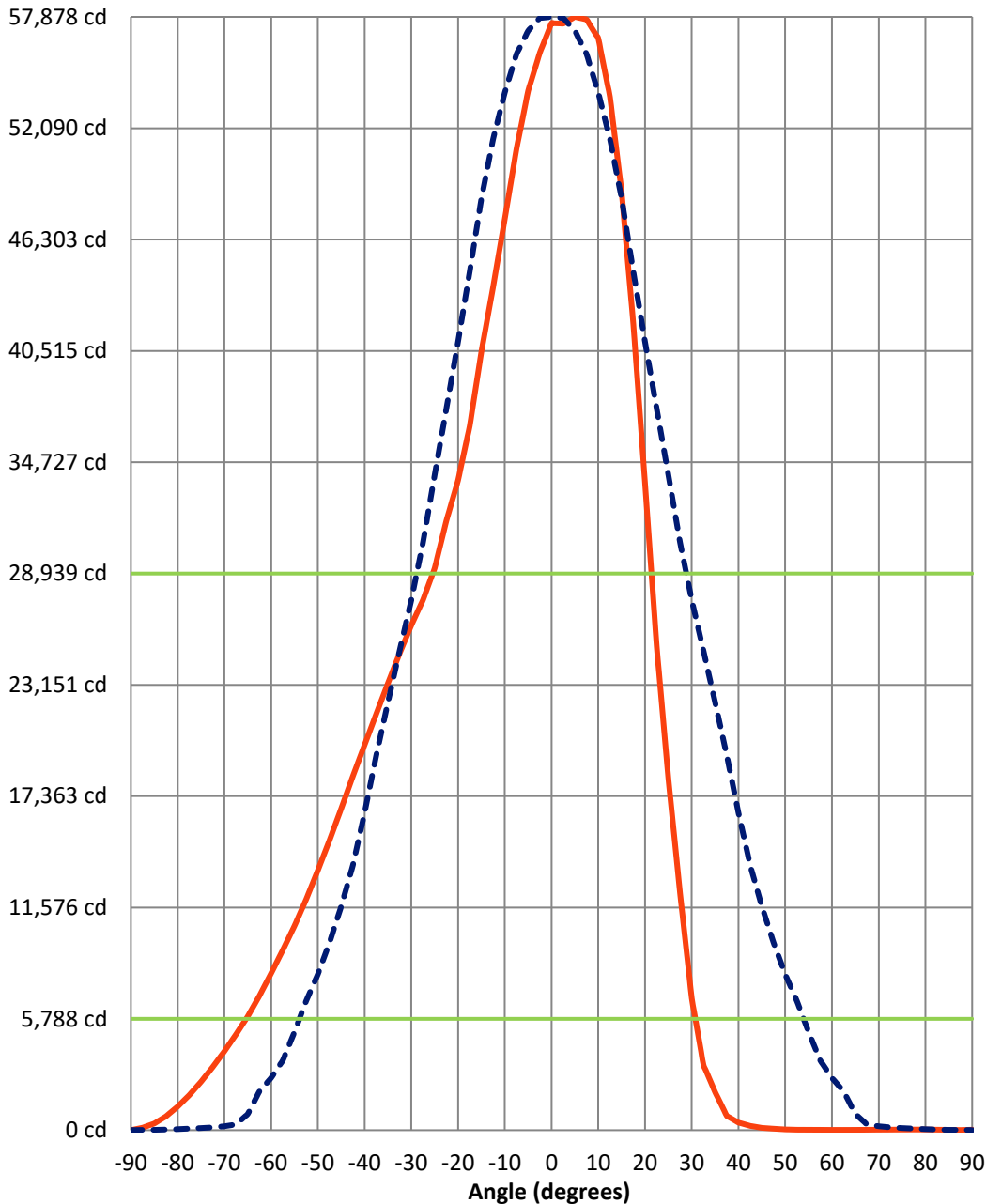
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 27276.7
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 52572.6
 Efficiency: 92.7%

Spill:
 Lumens: 4138.2
 Efficiency: 7.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 5-Deg



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	8.9	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9
87.5°	7.9	9.2	10.6	10.7	11.0	11.4	12.0	11.9	11.7	11.4	11.0
85°	7.9	9.5	11.3	12.0	13.0	14.4	16.1	16.4	16.5	16.4	16.1
82.5°	7.9	9.8	12.0	13.3	15.1	17.4	20.2	20.9	21.3	22.4	24.7
80°	7.9	10.1	12.6	14.6	17.1	20.3	23.8	24.2	26.2	29.8	35.2
77.5°	7.9	10.4	13.3	15.8	19.1	22.3	24.7	26.8	30.8	37.0	43.2
75°	7.9	10.7	13.9	17.0	20.7	22.7	25.5	29.1	34.8	39.6	44.5
72.5°	7.9	10.9	14.6	18.2	20.7	23.1	26.2	30.8	35.8	40.7	45.7
70°	7.9	11.2	15.2	19.1	20.7	23.3	26.9	31.6	36.6	41.7	48.0
67.5°	7.9	11.5	15.7	18.9	20.7	23.5	27.7	32.3	37.5	44.1	50.6
65°	7.9	11.7	16.3	18.7	20.6	24.0	28.5	32.9	39.5	46.3	53.5
62.5°	7.9	12.0	16.8	18.5	20.5	24.8	29.3	34.2	41.4	48.6	57.0
60°	7.9	12.2	17.4	18.2	20.3	25.6	30.1	35.8	43.2	51.2	60.2
57.5°	7.9	12.4	17.2	18.0	20.9	26.4	31.6	37.4	45.0	53.6	61.8
55°	7.9	12.6	17.0	17.6	21.6	27.1	33.2	39.2	46.7	55.5	62.7
52.5°	7.9	12.8	16.9	17.3	22.3	28.0	34.7	41.1	48.2	56.5	63.7
50°	7.9	13.0	16.8	16.9	22.9	29.3	36.2	43.2	49.4	57.5	64.0
47.5°	7.9	13.2	16.7	16.7	23.6	30.5	37.8	45.6	50.4	58.6	65.1
45°	7.9	13.3	16.6	17.2	24.2	31.7	40.0	48.1	53.2	60.7	67.2
42.5°	7.9	13.5	16.6	17.6	24.8	32.8	42.3	50.9	56.6	63.5	70.5
40°	7.9	13.6	16.5	18.4	25.5	33.9	44.7	54.2	60.8	67.2	75.0
37.5°	7.9	13.8	16.5	19.3	26.3	34.9	47.2	57.6	66.2	73.7	80.5
35°	7.9	13.9	16.6	20.3	27.1	36.5	49.8	61.3	71.8	81.6	88.3
32.5°	7.9	14.0	16.6	21.2	27.7	38.5	52.5	65.3	77.8	90.5	103.0
30°	7.9	14.0	16.6	22.3	28.4	40.4	55.6	69.6	83.9	100.3	119.8
27.5°	7.9	14.1	16.7	23.3	30.4	42.3	58.7	74.6	91.0	110.8	138.7
25°	7.9	14.1	16.8	24.4	32.7	44.1	61.9	79.6	99.4	125.0	161.4
22.5°	7.9	14.2	16.9	25.4	35.1	46.9	65.1	84.6	108.3	141.4	236.9
20°	7.9	14.2	17.0	26.5	37.6	51.9	68.2	89.6	117.3	158.7	321.4
17.5°	7.9	14.2	17.1	27.5	40.2	57.1	74.1	94.6	126.5	176.4	412.9
15°	7.9	14.2	17.2	28.5	42.8	62.2	81.5	102.0	135.7	194.5	509.2
12.5°	7.9	14.2	17.3	29.5	45.4	67.4	88.9	112.9	149.9	212.5	607.8
10°	7.9	14.2	17.5	30.5	48.0	72.5	96.1	123.7	168.2	240.4	700.8
7.5°	7.9	14.1	17.6	31.4	50.5	77.5	103.2	134.4	186.4	269.2	776.4
5°	7.9	14.1	17.7	32.2	53.0	82.3	110.1	144.8	204.3	297.2	842.4
2.5°	7.9	14.0	17.8	33.0	55.3	86.9	116.7	155.0	221.6	323.9	897.9
0°	7.9	13.9	17.9	33.7	57.5	91.2	123.0	164.6	238.0	349.1	942.2
-2.5°	7.9	14.2	19.3	37.8	66.8	109.0	153.8	216.4	318.8	467.0	1065.2
-5°	7.9	14.4	20.6	41.8	75.9	126.3	183.9	266.9	397.2	581.1	1176.1
-7.5°	7.9	14.6	21.9	45.6	84.5	142.9	212.9	315.3	472.1	689.8	1275.0
-10°	7.9	14.8	23.2	49.2	92.7	158.4	240.2	360.9	542.2	791.4	1361.8
-12.5°	7.9	15.0	24.4	52.6	100.2	172.9	265.7	402.9	606.6	884.4	1442.8
-15°	7.9	15.2	25.5	55.6	107.1	185.9	289.0	440.7	667.5	968.4	1512.1
-17.5°	7.9	15.3	26.5	58.3	113.1	197.4	309.7	481.2	726.3	1042.6	1565.8
-20°	7.9	15.5	27.5	60.6	118.3	207.2	332.3	522.6	778.2	1106.2	1603.1



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	15.6	28.3	62.5	122.5	215.2	359.2	558.5	822.5	1158.4	1623.7
-25°	7.9	15.7	29.0	64.0	125.7	227.3	382.2	588.8	858.8	1198.5	1627.2
-27.5°	7.9	15.7	29.6	65.0	127.9	239.6	401.0	612.8	886.8	1230.0	1665.8
-30°	7.9	15.7	30.0	65.5	129.4	249.1	415.1	630.5	910.6	1258.2	1690.2
-32.5°	7.9	15.7	30.4	65.5	134.2	255.8	424.6	645.5	928.5	1274.9	1697.6
-35°	7.9	15.7	30.5	65.0	137.4	259.5	431.3	655.1	937.4	1279.9	1687.6
-37.5°	7.9	15.7	30.6	63.9	138.9	261.2	434.6	657.6	937.0	1273.2	1637.7
-40°	7.9	15.6	30.5	62.3	138.5	262.2	433.3	653.1	927.4	1261.4	1585.1
-42.5°	7.9	15.5	30.2	60.9	137.8	260.3	427.5	641.5	912.7	1218.4	1522.6
-45°	7.9	15.3	29.8	60.2	137.0	255.6	417.1	625.5	890.8	1164.3	1452.0
-47.5°	7.9	15.2	29.2	58.6	134.6	248.0	402.2	607.1	859.1	1102.8	1381.8
-50°	7.9	15.0	28.5	58.1	130.8	237.5	387.5	582.6	806.0	1041.1	1302.7
-52.5°	7.9	14.7	27.6	57.5	125.6	224.3	369.5	552.2	754.2	972.5	1215.9
-55°	7.9	14.5	26.6	56.3	118.9	213.2	347.6	516.8	699.9	897.2	1128.6
-57.5°	7.9	14.2	25.5	54.4	110.9	200.9	322.0	482.7	640.5	823.9	1033.8
-60°	7.9	13.9	24.2	51.9	101.7	186.4	293.8	439.7	578.4	747.1	935.4
-62.5°	7.9	13.6	23.3	48.8	95.4	170.0	270.2	392.0	520.4	664.6	838.0
-65°	7.9	13.2	22.4	45.2	88.0	151.8	244.1	345.0	458.8	588.1	734.3
-67.5°	7.9	12.9	21.3	41.1	79.7	134.9	215.4	304.4	394.0	510.5	637.6
-70°	7.9	12.5	20.2	36.6	70.6	119.6	184.5	261.8	341.2	429.2	541.8
-72.5°	7.9	12.1	19.1	33.5	60.7	103.1	158.7	217.4	286.6	363.0	446.4
-75°	7.9	11.7	17.9	30.6	50.1	85.5	132.4	178.8	230.1	294.9	365.7
-77.5°	7.9	11.2	16.6	27.5	43.3	67.0	104.7	141.6	182.3	228.2	282.6
-80°	7.9	10.8	15.3	24.3	37.1	53.8	75.9	103.3	134.4	169.5	208.7
-82.5°	7.9	10.3	14.0	20.9	30.8	43.5	59.1	71.1	85.4	109.6	136.8
-85°	7.9	9.8	12.7	17.5	24.3	33.0	43.6	51.6	60.2	69.4	79.0
-87.5°	7.9	9.4	11.3	14.0	17.6	22.2	27.8	32.1	36.6	41.4	46.5
-90°	7.9	8.9	9.9	9.4	8.9	8.4	7.9	7.4	7.0	6.5	6.0



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	13.9	13.9	13.9	13.9	14.4	14.9	15.4	15.9	16.9	17.9	18.8
87.5°	11.7	12.4	13.2	13.9	12.9	11.7	10.3	8.8	9.2	9.7	10.3
85°	17.4	18.8	20.6	21.8	20.8	20.0	19.4	19.0	20.0	20.9	21.6
82.5°	27.1	28.8	29.7	29.9	30.5	31.4	33.2	36.6	39.0	40.5	41.3
80°	37.8	38.9	39.7	42.3	47.1	52.6	58.8	65.6	67.9	68.1	67.3
77.5°	44.3	46.7	51.4	58.3	66.1	73.9	82.6	91.9	94.7	93.9	92.1
75°	48.2	53.8	62.0	72.0	82.3	92.9	104.2	114.7	117.7	114.4	110.0
72.5°	51.8	60.5	71.4	84.4	95.7	106.6	118.7	132.0	136.6	129.8	121.8
70°	55.5	66.4	78.8	91.7	104.5	116.9	128.8	141.5	149.0	138.5	122.4
67.5°	58.7	71.3	84.5	97.7	109.4	121.6	134.9	140.3	143.7	126.7	108.5
65°	62.4	75.7	87.8	99.6	112.0	117.0	121.3	126.0	125.3	105.8	86.5
62.5°	66.1	77.0	88.6	97.8	100.8	103.8	103.8	100.9	96.1	82.7	66.1
60°	67.4	77.0	84.9	88.0	88.7	85.8	82.1	78.4	72.6	61.4	50.0
57.5°	68.2	73.3	77.0	77.9	74.5	68.9	66.3	60.4	55.4	48.9	39.6
55°	67.8	67.2	69.4	67.5	63.5	58.9	54.2	50.4	44.2	42.3	38.1
52.5°	66.1	63.1	62.1	60.0	57.3	52.7	48.0	44.9	43.4	41.0	37.6
50°	65.5	61.5	56.8	56.6	54.5	51.0	46.2	45.6	45.7	43.5	39.4
47.5°	66.3	61.6	55.6	55.8	56.0	57.3	53.2	51.3	52.0	57.8	51.6
45°	68.5	66.0	59.7	59.6	65.1	72.5	79.1	60.9	79.2	88.4	95.7
42.5°	72.0	73.2	76.4	65.2	86.2	112.7	125.4	131.8	125.0	154.0	183.9
40°	80.0	82.8	105.0	113.7	122.7	177.6	253.6	271.4	206.2	286.8	336.6
37.5°	89.9	117.9	156.5	203.0	198.8	313.3	432.4	523.8	514.8	486.8	697.1
35°	101.2	161.1	265.0	368.8	414.3	522.8	742.6	901.8	996.4	1053.6	1226.8
32.5°	132.4	212.2	400.7	621.1	810.9	918.5	1126.0	1475.0	1805.1	2002.1	2000.2
30°	187.1	338.2	592.2	930.9	1299.9	1602.5	1774.1	2222.4	2851.6	3299.1	3597.3
27.5°	267.9	491.2	887.6	1378.3	1895.2	2409.1	2751.5	3334.1	4180.8	4862.8	5499.8
25°	366.7	734.2	1220.3	1910.3	2670.5	3323.2	3815.8	4625.6	5698.4	6768.1	7833.8
22.5°	524.0	1016.5	1589.6	2492.0	3526.1	4267.9	4991.5	5978.6	7219.4	8721.0	10346.0
20°	743.1	1344.9	1983.8	2948.5	4381.8	5229.7	6118.1	7296.1	8743.2	10568.4	12737.9
17.5°	980.0	1655.1	2370.5	3445.8	4844.3	6019.3	7212.1	8554.7	10176.4	12293.7	14630.8
15°	1229.1	1946.7	2715.9	3889.9	5277.3	6546.7	7958.2	9704.3	11616.7	13906.5	16351.2
12.5°	1484.6	2219.8	3022.0	4281.1	5690.6	7024.6	8529.9	10345.9	12570.7	15256.6	17823.0
10°	1740.0	2474.2	3291.0	4620.1	6078.3	7451.9	9020.8	10878.9	13142.5	15833.4	18607.5
7.5°	1896.5	2642.1	3510.9	4907.9	6434.0	7827.7	9433.0	11307.1	13538.5	16245.8	19104.8
5°	2015.0	2717.6	3625.2	5104.0	6715.1	8106.1	9754.5	11635.2	13776.9	16497.1	19482.5
2.5°	2107.1	2773.2	3716.5	5249.8	6927.6	8257.4	9946.0	11845.2	14025.4	16809.5	19863.8
0°	2172.1	2810.8	3782.8	5349.8	7087.5	8355.0	10070.9	11971.2	14198.8	17081.0	20203.2
-2.5°	2235.3	2927.0	3917.5	5477.4	7110.5	8369.6	10118.4	11976.3	14198.7	17028.3	20062.5
-5°	2274.9	3023.8	4023.9	5557.7	7086.9	8339.6	10092.2	11904.4	14044.0	16719.6	19541.2
-7.5°	2295.5	3097.8	4100.7	5569.8	6964.5	8163.7	9776.7	11480.3	13533.2	16040.4	18642.1
-10°	2306.4	3142.3	4092.5	5402.2	6710.3	7880.8	9355.5	10987.7	12921.5	15252.9	17660.1
-12.5°	2336.7	3166.5	4055.5	5219.1	6434.2	7561.1	8888.4	10434.0	12211.8	14372.3	16580.8
-15°	2353.2	3178.7	4004.0	5030.2	6144.0	7207.0	8382.7	9824.6	11443.2	13375.7	15335.2
-17.5°	2357.8	3181.0	3941.2	4844.2	5846.7	6820.9	7885.3	9302.5	10776.2	12445.0	14116.1
-20°	2352.6	3175.0	3870.0	4669.1	5554.5	6540.5	7614.9	8851.4	10170.6	11581.7	12973.9



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2339.6	3162.6	3810.0	4544.9	5414.2	6356.7	7345.1	8414.9	9550.1	10775.5	12187.4
-25°	2333.1	3117.2	3769.9	4456.9	5278.4	6163.5	7061.4	8011.9	9001.6	10284.9	11631.5
-27.5°	2322.9	3069.2	3691.2	4334.9	5121.3	5968.2	6810.4	7677.9	8694.0	9846.9	11096.6
-30°	2292.2	2953.2	3584.1	4192.1	4955.0	5771.0	6575.2	7399.9	8361.3	9448.3	10607.7
-32.5°	2205.9	2821.6	3441.8	4052.5	4754.8	5554.8	6332.4	7132.1	8024.0	8997.9	10113.3
-35°	2109.4	2685.8	3282.2	3879.5	4521.0	5292.6	6049.2	6822.1	7650.0	8563.8	9603.6
-37.5°	2039.2	2539.8	3111.3	3684.5	4300.3	4985.8	5727.7	6471.7	7255.4	8126.2	9109.7
-40°	1955.5	2384.3	2937.9	3486.5	4047.0	4679.0	5372.2	6086.3	6822.0	7690.4	8591.7
-42.5°	1862.0	2276.1	2758.2	3276.6	3805.2	4379.7	4998.3	5677.7	6415.9	7223.7	8070.0
-45°	1781.2	2154.5	2578.4	3063.5	3554.6	4075.0	4648.7	5256.1	5985.4	6736.9	7522.8
-47.5°	1689.3	2027.4	2426.0	2838.3	3300.8	3780.7	4288.1	4879.8	5527.6	6231.4	6952.2
-50°	1589.9	1912.2	2252.2	2635.5	3045.5	3484.7	3947.9	4487.8	5079.2	5707.9	6371.3
-52.5°	1490.1	1785.1	2098.1	2431.8	2804.1	3198.8	3627.9	4108.7	4632.0	5183.1	5768.4
-55°	1380.5	1656.1	1940.9	2243.6	2568.3	2926.4	3310.1	3739.9	4189.8	4689.4	5181.7
-57.5°	1268.0	1517.3	1780.0	2060.2	2352.0	2656.5	3004.2	3368.3	3774.9	4201.8	4636.3
-60°	1150.6	1373.8	1611.8	1869.5	2140.7	2415.0	2696.7	3019.2	3364.3	3719.1	4107.5
-62.5°	1027.3	1227.8	1440.6	1669.0	1917.2	2165.5	2418.1	2684.9	2964.5	3283.1	3607.1
-65°	905.2	1077.8	1267.3	1470.5	1683.1	1906.1	2132.6	2361.1	2605.7	2868.3	3141.1
-67.5°	776.4	932.4	1095.4	1267.9	1456.6	1645.9	1843.5	2050.2	2258.1	2470.8	2694.8
-70°	660.5	784.2	926.2	1076.8	1229.2	1384.2	1555.0	1732.4	1913.6	2094.5	2280.7
-72.5°	543.6	649.9	763.4	883.8	1011.7	1139.4	1272.7	1411.1	1558.2	1710.5	1865.2
-75°	437.4	512.8	605.8	706.1	803.8	900.0	999.9	1112.4	1228.9	1346.4	1463.5
-77.5°	339.3	399.3	464.0	533.1	601.1	678.3	757.4	838.1	922.4	1009.0	1096.7
-80°	245.6	283.6	331.3	382.9	432.2	482.2	533.6	586.1	641.1	701.8	767.3
-82.5°	162.7	189.8	218.2	247.9	275.4	302.7	331.9	367.7	403.8	440.8	478.7
-85°	87.0	95.0	111.8	129.5	147.0	164.6	182.1	199.6	217.5	235.0	251.9
-87.5°	50.5	54.5	58.6	62.8	67.2	71.6	76.0	80.4	86.3	92.3	98.3
-90°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.8	20.3	20.8	21.3	21.8	22.3	22.8	23.3	23.8	24.3	24.8
87.5°	10.8	10.1	9.3	8.4	7.5	9.9	12.3	14.9	17.4	16.1	14.7
85°	22.1	22.2	22.3	22.4	22.5	25.1	27.7	30.2	32.6	30.1	27.4
82.5°	41.5	40.9	39.5	37.4	34.6	34.0	33.1	31.8	30.3	29.0	27.8
80°	65.8	62.5	58.2	53.1	47.3	44.4	41.6	38.6	35.2	34.2	33.4
77.5°	88.5	82.4	75.1	67.2	58.8	53.5	48.7	43.6	38.1	36.6	35.6
75°	104.5	96.7	86.2	75.1	63.3	55.1	48.6	42.2	35.7	34.2	33.9
72.5°	112.8	102.0	88.7	73.1	58.1	48.3	42.2	36.7	31.9	30.1	29.4
70°	106.1	89.7	74.4	59.9	46.7	37.8	33.5	29.7	26.4	25.5	26.0
67.5°	89.6	73.1	59.2	46.8	36.1	28.9	26.4	24.4	22.9	22.4	22.3
65°	70.0	56.1	44.8	35.4	27.7	23.3	22.5	21.6	20.8	20.1	19.5
62.5°	51.7	41.1	34.0	28.5	24.5	21.8	21.1	20.2	19.2	18.2	17.5
60°	40.2	32.0	28.3	26.0	23.9	22.1	21.4	21.0	20.7	20.4	19.8
57.5°	35.0	30.8	27.4	26.1	25.0	24.1	23.7	23.3	22.6	21.7	21.0
55°	34.1	30.9	28.0	27.2	26.7	26.1	25.5	24.8	24.0	23.1	22.7
52.5°	34.2	32.8	30.6	29.6	30.0	29.3	27.6	28.4	28.6	27.8	27.3
50°	38.6	39.0	39.5	36.2	39.6	41.1	39.1	40.7	43.2	43.5	43.3
47.5°	54.8	58.4	63.2	59.5	63.9	70.5	69.9	70.4	76.3	77.0	76.8
45°	87.4	103.2	110.6	114.9	113.3	128.6	131.6	126.6	134.7	136.3	133.9
42.5°	174.9	183.7	203.4	219.0	210.0	225.9	230.6	216.2	230.2	236.5	229.7
40°	391.7	311.4	369.7	410.0	396.0	365.2	418.6	399.5	397.6	419.8	402.4
37.5°	773.3	686.4	746.1	861.1	857.0	712.2	873.7	863.3	725.6	888.7	874.5
35°	1386.8	1547.5	1475.8	1690.8	1753.2	1785.5	1875.1	1967.7	1866.4	1999.9	1996.4
32.5°	2483.2	2816.5	2963.8	2990.0	3266.0	3490.9	3395.7	3756.4	3734.4	3824.6	3916.8
30°	3920.3	4663.2	5039.2	5048.6	5506.5	5909.4	6037.3	6490.0	6757.8	6713.3	7161.7
27.5°	6254.8	6984.7	7603.9	8132.3	8489.1	9124.5	10008.9	10455.2	11113.1	11371.0	11990.9
25°	8892.6	9799.4	10777.0	11696.5	12451.6	13589.7	14690.5	15384.5	16325.8	17063.5	17813.1
22.5°	11750.3	12953.2	14207.4	15583.0	16987.2	18375.8	19712.8	20995.2	22250.1	23636.3	24483.7
20°	14671.8	16031.4	17558.1	19422.3	21370.6	23045.2	24871.4	26882.0	28804.3	30593.5	31944.9
17.5°	16891.9	18995.9	20649.9	22666.6	25086.1	27445.1	29773.2	32424.7	34870.3	37151.4	39185.8
15°	18587.3	20792.9	23190.1	25624.3	28173.2	30982.0	34184.3	37085.8	40106.7	42789.6	45302.3
12.5°	20065.1	22304.3	24813.1	27652.0	30867.0	33882.5	37238.7	40867.3	44072.4	47224.1	49581.7
10°	21155.8	23643.2	26186.5	29040.9	32319.4	35840.1	39477.4	43145.2	46739.1	49781.5	52314.3
7.5°	21757.4	24399.2	27060.2	30040.9	33411.6	36874.6	40508.1	44337.6	47955.0	51088.3	53414.3
5°	22247.2	24932.9	27563.2	30555.7	34067.7	37507.7	40988.5	44643.5	48431.2	51521.6	53941.6
2.5°	22674.6	25295.0	27860.8	30774.5	34393.7	37849.0	41427.8	45216.7	48879.5	51860.7	54216.3
0°	23045.7	25519.3	28028.6	30916.8	34701.5	38198.6	41719.6	45427.0	49158.2	52062.2	54446.5
-2.5°	22777.3	25202.7	27675.2	30627.4	34236.8	37676.8	41217.7	44972.0	48506.2	51447.7	53759.3
-5°	22077.4	24413.7	26868.9	29813.9	33259.3	36628.8	40122.5	43738.8	47060.9	50001.7	52128.0
-7.5°	21054.1	23341.3	25786.9	28685.7	31891.8	34950.0	38072.3	41424.5	44731.2	47327.6	49353.0
-10°	19916.7	22093.4	24344.4	26894.0	29732.8	32589.2	35458.2	38574.4	41488.0	43926.0	45875.6
-12.5°	18566.2	20499.8	22572.4	24796.2	27402.3	30122.9	32858.8	35588.4	38275.6	40468.7	42234.9
-15°	17107.6	18817.5	20710.4	22861.3	25183.5	27584.2	30052.1	32658.7	35078.8	37121.7	38678.8
-17.5°	15668.7	17199.9	19123.8	21079.4	22956.0	25157.4	27611.9	29767.4	31975.9	33810.4	35186.0
-20°	14448.8	16096.2	17769.1	19440.0	21232.6	23372.9	25453.9	27486.2	29448.7	31119.1	32486.8



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13653.7	15101.0	16528.5	18109.1	19931.4	21820.1	23703.6	25551.2	27327.4	28914.1	30215.1
-25°	12930.6	14155.3	15568.9	17173.7	18712.5	20369.2	22147.6	23691.8	25376.8	26813.7	27926.7
-27.5°	12298.5	13510.5	14897.8	16341.1	17733.0	19226.2	20845.9	22319.8	23836.1	25217.8	26189.0
-30°	11748.1	13003.7	14308.2	15628.6	16939.4	18320.9	19728.7	21153.3	22544.5	23797.3	24730.8
-32.5°	11279.0	12457.0	13680.4	14909.1	16104.2	17362.7	18668.6	19978.3	21267.1	22363.3	23277.3
-35°	10745.8	11873.5	13010.2	14113.7	15220.6	16346.3	17558.3	18784.4	19937.5	20938.3	21830.6
-37.5°	10150.6	11237.2	12274.6	13279.1	14305.3	15346.1	16468.8	17595.2	18654.4	19560.3	20410.9
-40°	9558.3	10548.4	11488.1	12425.7	13366.4	14341.1	15356.5	16365.1	17294.8	18151.6	18944.4
-42.5°	8942.9	9809.5	10664.8	11537.6	12405.4	13284.5	14191.6	15108.7	15937.2	16718.7	17421.4
-45°	8322.1	9065.8	9821.3	10620.9	11413.2	12202.4	12987.7	13762.0	14537.7	15265.9	15859.4
-47.5°	7661.8	8333.0	9018.9	9706.3	10416.4	11136.7	11823.2	12493.5	13178.6	13829.4	14319.7
-50°	6995.5	7616.8	8236.9	8842.5	9470.2	10103.8	10729.3	11319.2	11893.2	12446.7	12830.0
-52.5°	6324.3	6899.0	7467.2	8014.9	8559.5	9099.6	9629.6	10152.9	10655.8	11130.2	11434.1
-55°	5687.1	6199.5	6699.1	7177.5	7658.2	8132.4	8599.8	9057.6	9491.7	9899.6	10134.0
-57.5°	5087.7	5534.1	5971.5	6383.3	6785.7	7176.6	7589.7	8005.6	8396.4	8746.9	8935.8
-60°	4503.6	4905.7	5281.1	5625.4	5970.4	6313.7	6661.7	7005.2	7339.8	7630.9	7793.5
-62.5°	3929.1	4272.7	4592.3	4888.5	5173.5	5457.0	5758.9	6048.6	6324.3	6548.9	6686.8
-65°	3425.9	3717.0	3956.2	4192.1	4426.2	4675.5	4926.3	5165.4	5391.8	5567.8	5683.9
-67.5°	2936.6	3176.0	3375.2	3570.9	3766.8	3965.0	4166.9	4362.6	4550.5	4692.8	4793.7
-70°	2471.4	2652.3	2808.3	2967.6	3130.0	3292.0	3454.3	3610.5	3759.6	3868.0	3949.2
-72.5°	2021.4	2161.3	2282.7	2406.4	2528.4	2653.9	2779.6	2900.3	3015.3	3093.0	3149.9
-75°	1579.9	1681.3	1778.7	1873.1	1964.1	2057.4	2149.9	2238.2	2321.9	2380.7	2427.6
-77.5°	1189.5	1261.6	1325.0	1387.3	1447.8	1512.7	1576.1	1635.9	1691.9	1732.8	1767.2
-80°	833.3	879.8	920.3	958.4	994.0	1034.2	1073.6	1110.8	1145.6	1169.4	1188.5
-82.5°	517.1	544.4	568.8	591.2	611.6	632.7	652.2	669.9	685.8	704.4	721.8
-85°	268.3	279.5	289.9	299.4	308.3	316.9	324.6	331.6	337.6	341.0	343.4
-87.5°	104.3	106.9	109.3	111.5	113.5	116.2	118.8	121.2	123.5	125.5	127.4
-90°	6.0	5.5	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	25.3	25.8	25.8	25.8	25.8	25.8	25.3	24.8	24.3	23.8	23.3
87.5°	13.3	11.9	10.9	9.9	10.9	11.9	13.3	14.7	16.1	17.4	14.9
85°	24.6	21.7	19.8	17.9	19.8	21.7	24.6	27.4	30.1	32.6	30.2
82.5°	26.8	25.8	25.8	25.8	25.8	25.8	26.8	27.8	29.0	30.3	31.8
80°	32.5	31.6	32.7	33.7	32.7	31.6	32.5	33.4	34.2	35.2	38.6
77.5°	34.7	33.7	33.7	33.7	33.7	33.7	34.7	35.6	36.6	38.1	43.6
75°	33.8	33.7	32.7	31.7	32.7	33.7	33.8	33.9	34.2	35.7	42.2
72.5°	28.7	28.0	27.8	27.8	27.8	28.0	28.7	29.4	30.1	31.9	36.7
70°	26.7	27.7	26.9	25.8	26.9	27.7	26.7	26.0	25.5	26.4	29.7
67.5°	22.2	22.0	21.8	21.8	21.8	22.0	22.2	22.3	22.4	22.9	24.4
65°	18.8	18.2	17.9	17.9	17.9	18.2	18.8	19.5	20.1	20.8	21.6
62.5°	16.8	16.1	15.9	15.9	15.9	16.1	16.8	17.5	18.2	19.2	20.2
60°	19.0	18.1	17.0	15.9	17.0	18.1	19.0	19.8	20.4	20.7	21.0
57.5°	20.4	19.9	19.8	19.8	19.8	19.9	20.4	21.0	21.7	22.6	23.3
55°	22.4	21.9	21.8	21.8	21.8	21.9	22.4	22.7	23.1	24.0	24.8
52.5°	26.8	26.0	25.0	23.8	25.0	26.0	26.8	27.3	27.8	28.6	28.4
50°	42.5	40.4	39.4	39.7	39.4	40.4	42.5	43.3	43.5	43.2	40.7
47.5°	78.3	78.2	77.9	77.4	77.9	78.2	78.3	76.8	77.0	76.3	70.4
45°	133.3	127.9	122.8	121.0	122.8	127.9	133.3	133.9	136.3	134.7	126.6
42.5°	234.2	233.1	228.9	224.1	228.9	233.1	234.2	229.7	236.5	230.2	216.2
40°	407.0	401.5	392.0	394.7	392.0	401.5	407.0	402.4	419.8	397.6	399.5
37.5°	847.7	807.0	745.4	745.8	745.4	807.0	847.7	874.5	888.7	725.6	863.3
35°	1984.3	2017.6	1978.1	1977.7	1978.1	2017.6	1984.3	1996.4	1999.9	1866.4	1967.7
32.5°	3797.3	3742.1	3518.4	3401.9	3518.4	3742.1	3797.3	3916.8	3824.6	3734.4	3756.4
30°	7153.7	7189.3	6854.0	6861.4	6854.0	7189.3	7153.7	7161.7	6713.3	6757.8	6490.0
27.5°	12241.0	12513.3	12441.7	12322.3	12441.7	12513.3	12241.0	11990.9	11371.0	11113.1	10455.2
25°	18304.7	18509.8	18372.5	18289.0	18372.5	18509.8	18304.7	17813.1	17063.5	16325.8	15384.5
22.5°	25306.6	25592.2	25520.4	25158.3	25520.4	25592.2	25306.6	24483.7	23636.3	22250.1	20995.2
20°	33057.8	33547.0	33831.2	33648.2	33831.2	33547.0	33057.8	31944.9	30593.5	28804.3	26882.0
17.5°	40630.6	41261.5	41745.3	41908.0	41745.3	41261.5	40630.6	39185.8	37151.4	34870.3	32424.7
15°	46998.5	47900.6	48536.0	48761.4	48536.0	47900.6	46998.5	45302.3	42789.6	40106.7	37085.8
12.5°	51568.4	52742.6	53487.8	53711.6	53487.8	52742.6	51568.4	49581.7	47224.1	44072.4	40867.3
10°	54081.3	55561.4	56409.6	56763.4	56409.6	55561.4	54081.3	52314.3	49781.5	46739.1	43145.2
7.5°	55485.3	56822.2	57623.7	57742.3	57623.7	56822.2	55485.3	53414.3	51088.3	47955.0	44337.6
5°	55940.9	57155.5	57817.0	57878.2	57817.0	57155.5	55940.9	53941.6	51521.6	48431.2	44643.5
2.5°	56140.6	57167.0	57654.9	57530.0	57654.9	57167.0	56140.6	54216.3	51860.7	48879.5	45216.7
0°	56038.4	56955.8	57473.5	57550.9	57473.5	56955.8	56038.4	54446.5	52062.2	49158.2	45427.0
-2.5°	55206.2	55889.4	56256.5	56020.5	56256.5	55889.4	55206.2	53759.3	51447.7	48506.2	44972.0
-5°	53308.9	53800.4	53953.8	54039.9	53953.8	53800.4	53308.9	52128.0	50001.7	47060.9	43738.8
-7.5°	50566.6	50967.7	51119.1	51012.9	51119.1	50967.7	50566.6	49353.0	47327.6	44731.2	41424.5
-10°	46952.0	47319.6	47448.1	47374.9	47448.1	47319.6	46952.0	45875.6	43926.0	41488.0	38574.4
-12.5°	43293.3	43728.9	43828.8	43835.1	43828.8	43728.9	43293.3	42234.9	40468.7	38275.6	35588.4
-15°	39696.5	40194.5	40346.8	40479.8	40346.8	40194.5	39696.5	38678.8	37121.7	35078.8	32658.7
-17.5°	36162.2	36657.0	36785.4	36611.7	36785.4	36657.0	36162.2	35186.0	33810.4	31975.9	29767.4
-20°	33257.2	33513.6	33787.3	33785.1	33787.3	33513.6	33257.2	32486.8	31119.1	29448.7	27486.2



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30857.8	31281.8	31514.9	31680.4	31514.9	31281.8	30857.8	30215.1	28914.1	27327.4	25551.2
-25°	28607.5	28967.5	29112.3	29222.7	29112.3	28967.5	28607.5	27926.7	26813.7	25376.8	23691.8
-27.5°	26874.0	27239.3	27446.0	27568.4	27446.0	27239.3	26874.0	26189.0	25217.8	23836.1	22319.8
-30°	25491.4	25850.5	26096.7	26251.3	26096.7	25850.5	25491.4	24730.8	23797.3	22544.5	21153.3
-32.5°	24001.7	24377.2	24633.9	24793.3	24633.9	24377.2	24001.7	23277.3	22363.3	21267.1	19978.3
-35°	22453.6	22829.2	23106.2	23236.2	23106.2	22829.2	22453.6	21830.6	20938.3	19937.5	18784.4
-37.5°	20949.7	21300.3	21545.1	21641.3	21545.1	21300.3	20949.7	20410.9	19560.3	18654.4	17595.2
-40°	19382.0	19712.8	19940.1	20028.6	19940.1	19712.8	19382.0	18944.4	18151.6	17294.8	16365.1
-42.5°	17801.2	18109.8	18319.8	18408.0	18319.8	18109.8	17801.2	17421.4	16718.7	15937.2	15108.7
-45°	16199.8	16474.3	16652.1	16720.0	16652.1	16474.3	16199.8	15859.4	15265.9	14537.7	13762.0
-47.5°	14623.7	14871.3	15024.1	15073.6	15024.1	14871.3	14623.7	14319.7	13829.4	13178.6	12493.5
-50°	13085.1	13287.8	13427.7	13506.5	13427.7	13287.8	13085.1	12830.0	12446.7	11893.2	11319.2
-52.5°	11662.0	11846.2	11955.8	11998.9	11955.8	11846.2	11662.0	11434.1	11130.2	10655.8	10152.9
-55°	10328.2	10487.6	10580.8	10618.3	10580.8	10487.6	10328.2	10134.0	9899.6	9491.7	9057.6
-57.5°	9096.4	9227.0	9315.0	9364.7	9315.0	9227.0	9096.4	8935.8	8746.9	8396.4	8005.6
-60°	7928.6	8035.6	8109.5	8152.7	8109.5	8035.6	7928.6	7793.5	7630.9	7339.8	7005.2
-62.5°	6801.3	6892.2	6952.0	6986.3	6952.0	6892.2	6801.3	6686.8	6548.9	6324.3	6048.6
-65°	5782.0	5861.7	5900.3	5915.2	5900.3	5861.7	5782.0	5683.9	5567.8	5391.8	5165.4
-67.5°	4880.3	4952.1	4978.1	4982.9	4978.1	4952.1	4880.3	4793.7	4692.8	4550.5	4362.6
-70°	4019.5	4078.0	4097.7	4100.1	4097.7	4078.0	4019.5	3949.2	3868.0	3759.6	3610.5
-72.5°	3196.9	3233.7	3262.2	3280.9	3262.2	3233.7	3196.9	3149.9	3093.0	3015.3	2900.3
-75°	2466.9	2498.5	2512.1	2517.2	2512.1	2498.5	2466.9	2427.6	2380.7	2321.9	2238.2
-77.5°	1796.6	1820.6	1826.1	1824.9	1826.1	1820.6	1796.6	1767.2	1732.8	1691.9	1635.9
-80°	1203.5	1214.7	1222.0	1225.9	1222.0	1214.7	1203.5	1188.5	1169.4	1145.6	1110.8
-82.5°	737.3	751.0	737.0	720.1	737.0	751.0	737.3	721.8	704.4	685.8	669.9
-85°	344.9	345.5	346.7	347.1	346.7	345.5	344.9	343.4	341.0	337.6	331.6
-87.5°	129.0	130.5	129.8	128.9	129.8	130.5	129.0	127.4	125.5	123.5	121.2
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.8	22.3	21.8	21.3	20.8	20.3	19.8	18.8	17.9	16.9	15.9
87.5°	12.3	9.9	7.5	8.4	9.3	10.1	10.8	10.3	9.7	9.2	8.8
85°	27.7	25.1	22.5	22.4	22.3	22.2	22.1	21.6	20.9	20.0	19.0
82.5°	33.1	34.0	34.6	37.4	39.5	40.9	41.5	41.3	40.5	39.0	36.6
80°	41.6	44.4	47.3	53.1	58.2	62.5	65.8	67.3	68.1	67.9	65.6
77.5°	48.7	53.5	58.8	67.2	75.1	82.4	88.5	92.1	93.9	94.7	91.9
75°	48.6	55.1	63.3	75.1	86.2	96.7	104.5	110.0	114.4	117.7	114.7
72.5°	42.2	48.3	58.1	73.1	88.7	102.0	112.8	121.8	129.8	136.6	132.0
70°	33.5	37.8	46.7	59.9	74.4	89.7	106.1	122.4	138.5	149.0	141.5
67.5°	26.4	28.9	36.1	46.8	59.2	73.1	89.6	108.5	126.7	143.7	140.3
65°	22.5	23.3	27.7	35.4	44.8	56.1	70.0	86.5	105.8	125.3	126.0
62.5°	21.1	21.8	24.5	28.5	34.0	41.1	51.7	66.1	82.7	96.1	100.9
60°	21.4	22.1	23.9	26.0	28.3	32.0	40.2	50.0	61.4	72.6	78.4
57.5°	23.7	24.1	25.0	26.1	27.4	30.8	35.0	39.6	48.9	55.4	60.4
55°	25.5	26.1	26.7	27.2	28.0	30.9	34.1	38.1	42.3	44.2	50.4
52.5°	27.6	29.3	30.0	29.6	30.6	32.8	34.2	37.6	41.0	43.4	44.9
50°	39.1	41.1	39.6	36.2	39.5	39.0	38.6	39.4	43.5	45.7	45.6
47.5°	69.9	70.5	63.9	59.5	63.2	58.4	54.8	51.6	57.8	52.0	51.3
45°	131.6	128.6	113.3	114.9	110.6	103.2	87.4	95.7	88.4	79.2	60.9
42.5°	230.6	225.9	210.0	219.0	203.4	183.7	174.9	183.9	154.0	125.0	131.8
40°	418.6	365.2	396.0	410.0	369.7	311.4	391.7	336.6	286.8	206.2	271.4
37.5°	873.7	712.2	857.0	861.1	746.1	686.4	773.3	697.1	486.8	514.8	523.8
35°	1875.1	1785.5	1753.2	1690.8	1475.8	1547.5	1386.8	1226.8	1053.6	996.4	901.8
32.5°	3395.7	3490.9	3266.0	2990.0	2963.8	2816.5	2483.2	2000.2	2002.1	1805.1	1475.0
30°	6037.3	5909.4	5506.5	5048.6	5039.2	4663.2	3920.3	3597.3	3299.1	2851.6	2222.4
27.5°	10008.9	9124.5	8489.1	8132.3	7603.9	6984.7	6254.8	5499.8	4862.8	4180.8	3334.1
25°	14690.5	13589.7	12451.6	11696.5	10777.0	9799.4	8892.6	7833.8	6768.1	5698.4	4625.6
22.5°	19712.8	18375.8	16987.2	15583.0	14207.4	12953.2	11750.3	10346.0	8721.0	7219.4	5978.6
20°	24871.4	23045.2	21370.6	19422.3	17558.1	16031.4	14671.8	12737.9	10568.4	8743.2	7296.1
17.5°	29773.2	27445.1	25086.1	22666.6	20649.9	18995.9	16891.9	14630.8	12293.7	10176.4	8554.7
15°	34184.3	30982.0	28173.2	25624.3	23190.1	20792.9	18587.3	16351.2	13906.5	11616.7	9704.3
12.5°	37238.7	33882.5	30867.0	27652.0	24813.1	22304.3	20065.1	17823.0	15256.6	12570.7	10345.9
10°	39477.4	35840.1	32319.4	29040.9	26186.5	23643.2	21155.8	18607.5	15833.4	13142.5	10878.9
7.5°	40508.1	36874.6	33411.6	30040.9	27060.2	24399.2	21757.4	19104.8	16245.8	13538.5	11307.1
5°	40988.5	37507.7	34067.7	30555.7	27563.2	24932.9	22247.2	19482.5	16497.1	13776.9	11635.2
2.5°	41427.8	37849.0	34393.7	30774.5	27860.8	25295.0	22674.6	19863.8	16809.5	14025.4	11845.2
0°	41719.6	38198.6	34701.5	30916.8	28028.6	25519.3	23045.7	20203.2	17081.0	14198.8	11971.2
-2.5°	41217.7	37676.8	34236.8	30627.4	27675.2	25202.7	22777.3	20062.5	17028.3	14198.7	11976.3
-5°	40122.5	36628.8	33259.3	29813.9	26868.9	24413.7	22077.4	19541.2	16719.6	14044.0	11904.4
-7.5°	38072.3	34950.0	31891.8	28685.7	25786.9	23341.3	21054.1	18642.1	16040.4	13533.2	11480.3
-10°	35458.2	32589.2	29732.8	26894.0	24344.4	22093.4	19916.7	17660.1	15252.9	12921.5	10987.7
-12.5°	32858.8	30122.9	27402.3	24796.2	22572.4	20499.8	18566.2	16580.8	14372.3	12211.8	10434.0
-15°	30052.1	27584.2	25183.5	22861.3	20710.4	18817.5	17107.6	15335.2	13375.7	11443.2	9824.6
-17.5°	27611.9	25157.4	22956.0	21079.4	19123.8	17199.9	15668.7	14116.1	12445.0	10776.2	9302.5
-20°	25453.9	23372.9	21232.6	19440.0	17769.1	16096.2	14448.8	12973.9	11581.7	10170.6	8851.4



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23703.6	21820.1	19931.4	18109.1	16528.5	15101.0	13653.7	12187.4	10775.5	9550.1	8414.9
-25°	22147.6	20369.2	18712.5	17173.7	15568.9	14155.3	12930.6	11631.5	10284.9	9001.6	8011.9
-27.5°	20845.9	19226.2	17733.0	16341.1	14897.8	13510.5	12298.5	11096.6	9846.9	8694.0	7677.9
-30°	19728.7	18320.9	16939.4	15628.6	14308.2	13003.7	11748.1	10607.7	9448.3	8361.3	7399.9
-32.5°	18668.6	17362.7	16104.2	14909.1	13680.4	12457.0	11279.0	10113.3	8997.9	8024.0	7132.1
-35°	17558.3	16346.3	15220.6	14113.7	13010.2	11873.5	10745.8	9603.6	8563.8	7650.0	6822.1
-37.5°	16468.8	15346.1	14305.3	13279.1	12274.6	11237.2	10150.6	9109.7	8126.2	7255.4	6471.7
-40°	15356.5	14341.1	13366.4	12425.7	11488.1	10548.4	9558.3	8591.7	7690.4	6822.0	6086.3
-42.5°	14191.6	13284.5	12405.4	11537.6	10664.8	9809.5	8942.9	8070.0	7223.7	6415.9	5677.7
-45°	12987.7	12202.4	11413.2	10620.9	9821.3	9065.8	8322.1	7522.8	6736.9	5985.4	5256.1
-47.5°	11823.2	11136.7	10416.4	9706.3	9018.9	8333.0	7661.8	6952.2	6231.4	5527.6	4879.8
-50°	10729.3	10103.8	9470.2	8842.5	8236.9	7616.8	6995.5	6371.3	5707.9	5079.2	4487.8
-52.5°	9629.6	9099.6	8559.5	8014.9	7467.2	6899.0	6324.3	5768.4	5183.1	4632.0	4108.7
-55°	8599.8	8132.4	7658.2	7177.5	6699.1	6199.5	5687.1	5181.7	4689.4	4189.8	3739.9
-57.5°	7589.7	7176.6	6785.7	6383.3	5971.5	5534.1	5087.7	4636.3	4201.8	3774.9	3368.3
-60°	6661.7	6313.7	5970.4	5625.4	5281.1	4905.7	4503.6	4107.5	3719.1	3364.3	3019.2
-62.5°	5758.9	5457.0	5173.5	4888.5	4592.3	4272.7	3929.1	3607.1	3283.1	2964.5	2684.9
-65°	4926.3	4675.5	4426.2	4192.1	3956.2	3717.0	3425.9	3141.1	2868.3	2605.7	2361.1
-67.5°	4166.9	3965.0	3766.8	3570.9	3375.2	3176.0	2936.6	2694.8	2470.8	2258.1	2050.2
-70°	3454.3	3292.0	3130.0	2967.6	2808.3	2652.3	2471.4	2280.7	2094.5	1913.6	1732.4
-72.5°	2779.6	2653.9	2528.4	2406.4	2282.7	2161.3	2021.4	1865.2	1710.5	1558.2	1411.1
-75°	2149.9	2057.4	1964.1	1873.1	1778.7	1681.3	1579.9	1463.5	1346.4	1228.9	1112.4
-77.5°	1576.1	1512.7	1447.8	1387.3	1325.0	1261.6	1189.5	1096.7	1009.0	922.4	838.1
-80°	1073.6	1034.2	994.0	958.4	920.3	879.8	833.3	767.3	701.8	641.1	586.1
-82.5°	652.2	632.7	611.6	591.2	568.8	544.4	517.1	478.7	440.8	403.8	367.7
-85°	324.6	316.9	308.3	299.4	289.9	279.5	268.3	251.9	235.0	217.5	199.6
-87.5°	118.8	116.2	113.5	111.5	109.3	106.9	104.3	98.3	92.3	86.3	80.4
-90°	4.0	4.0	4.0	4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	15.4	14.9	14.4	13.9	13.9	13.9	13.9	13.9	13.4	12.9	12.4
87.5°	10.3	11.7	12.9	13.9	13.2	12.4	11.7	11.0	11.4	11.7	11.9
85°	19.4	20.0	20.8	21.8	20.6	18.8	17.4	16.1	16.4	16.5	16.4
82.5°	33.2	31.4	30.5	29.9	29.7	28.8	27.1	24.7	22.4	21.3	20.9
80°	58.8	52.6	47.1	42.3	39.7	38.9	37.8	35.2	29.8	26.2	24.2
77.5°	82.6	73.9	66.1	58.3	51.4	46.7	44.3	43.2	37.0	30.8	26.8
75°	104.2	92.9	82.3	72.0	62.0	53.8	48.2	44.5	39.6	34.8	29.1
72.5°	118.7	106.6	95.7	84.4	71.4	60.5	51.8	45.7	40.7	35.8	30.8
70°	128.8	116.9	104.5	91.7	78.8	66.4	55.5	48.0	41.7	36.6	31.6
67.5°	134.9	121.6	109.4	97.7	84.5	71.3	58.7	50.6	44.1	37.5	32.3
65°	121.3	117.0	112.0	99.6	87.8	75.7	62.4	53.5	46.3	39.5	32.9
62.5°	103.8	103.8	100.8	97.8	88.6	77.0	66.1	57.0	48.6	41.4	34.2
60°	82.1	85.8	88.7	88.0	84.9	77.0	67.4	60.2	51.2	43.2	35.8
57.5°	66.3	68.9	74.5	77.9	77.0	73.3	68.2	61.8	53.6	45.0	37.4
55°	54.2	58.9	63.5	67.5	69.4	67.2	67.8	62.7	55.5	46.7	39.2
52.5°	48.0	52.7	57.3	60.0	62.1	63.1	66.1	63.7	56.5	48.2	41.1
50°	46.2	51.0	54.5	56.6	56.8	61.5	65.5	64.0	57.5	49.4	43.2
47.5°	53.2	57.3	56.0	55.8	55.6	61.6	66.3	65.1	58.6	50.4	45.6
45°	79.1	72.5	65.1	59.6	59.7	66.0	68.5	67.2	60.7	53.2	48.1
42.5°	125.4	112.7	86.2	65.2	76.4	73.2	72.0	70.5	63.5	56.6	50.9
40°	253.6	177.6	122.7	113.7	105.0	82.8	80.0	75.0	67.2	60.8	54.2
37.5°	432.4	313.3	198.8	203.0	156.5	117.9	89.9	80.5	73.7	66.2	57.6
35°	742.6	522.8	414.3	368.8	265.0	161.1	101.2	88.3	81.6	71.8	61.3
32.5°	1126.0	918.5	810.9	621.1	400.7	212.2	132.4	103.0	90.5	77.8	65.3
30°	1774.1	1602.5	1299.9	930.9	592.2	338.2	187.1	119.8	100.3	83.9	69.6
27.5°	2751.5	2409.1	1895.2	1378.3	887.6	491.2	267.9	138.7	110.8	91.0	74.6
25°	3815.8	3323.2	2670.5	1910.3	1220.3	734.2	366.7	161.4	125.0	99.4	79.6
22.5°	4991.5	4267.9	3526.1	2492.0	1589.6	1016.5	524.0	236.9	141.4	108.3	84.6
20°	6118.1	5229.7	4381.8	2948.5	1983.8	1344.9	743.1	321.4	158.7	117.3	89.6
17.5°	7212.1	6019.3	4844.3	3445.8	2370.5	1655.1	980.0	412.9	176.4	126.5	94.6
15°	7958.2	6546.7	5277.3	3889.9	2715.9	1946.7	1229.1	509.2	194.5	135.7	102.0
12.5°	8529.9	7024.6	5690.6	4281.1	3022.0	2219.8	1484.6	607.8	212.5	149.9	112.9
10°	9020.8	7451.9	6078.3	4620.1	3291.0	2474.2	1740.0	700.8	240.4	168.2	123.7
7.5°	9433.0	7827.7	6434.0	4907.9	3510.9	2642.1	1896.5	776.4	269.2	186.4	134.4
5°	9754.5	8106.1	6715.1	5104.0	3625.2	2717.6	2015.0	842.4	297.2	204.3	144.8
2.5°	9946.0	8257.4	6927.6	5249.8	3716.5	2773.2	2107.1	897.9	323.9	221.6	155.0
0°	10070.9	8355.0	7087.5	5349.8	3782.8	2810.8	2172.1	942.2	349.1	238.0	164.6
-2.5°	10118.4	8369.6	7110.5	5477.4	3917.5	2927.0	2235.3	1065.2	467.0	318.8	216.4
-5°	10092.2	8339.6	7086.9	5557.7	4023.9	3023.8	2274.9	1176.1	581.1	397.2	266.9
-7.5°	9776.7	8163.7	6964.5	5569.8	4100.7	3097.8	2295.5	1275.0	689.8	472.1	315.3
-10°	9355.5	7880.8	6710.3	5402.2	4092.5	3142.3	2306.4	1361.8	791.4	542.2	360.9
-12.5°	8888.4	7561.1	6434.2	5219.1	4055.5	3166.5	2336.7	1442.8	884.4	606.6	402.9
-15°	8382.7	7207.0	6144.0	5030.2	4004.0	3178.7	2353.2	1512.1	968.4	667.5	440.7
-17.5°	7885.3	6820.9	5846.7	4844.2	3941.2	3181.0	2357.8	1565.8	1042.6	726.3	481.2
-20°	7614.9	6540.5	5554.5	4669.1	3870.0	3175.0	2352.6	1603.1	1106.2	778.2	522.6



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7345.1	6356.7	5414.2	4544.9	3810.0	3162.6	2339.6	1623.7	1158.4	822.5	558.5
-25°	7061.4	6163.5	5278.4	4456.9	3769.9	3117.2	2333.1	1627.2	1198.5	858.8	588.8
-27.5°	6810.4	5968.2	5121.3	4334.9	3691.2	3069.2	2322.9	1665.8	1230.0	886.8	612.8
-30°	6575.2	5771.0	4955.0	4192.1	3584.1	2953.2	2292.2	1690.2	1258.2	910.6	630.5
-32.5°	6332.4	5554.8	4754.8	4052.5	3441.8	2821.6	2205.9	1697.6	1274.9	928.5	645.5
-35°	6049.2	5292.6	4521.0	3879.5	3282.2	2685.8	2109.4	1687.6	1279.9	937.4	655.1
-37.5°	5727.7	4985.8	4300.3	3684.5	3111.3	2539.8	2039.2	1637.7	1273.2	937.0	657.6
-40°	5372.2	4679.0	4047.0	3486.5	2937.9	2384.3	1955.5	1585.1	1261.4	927.4	653.1
-42.5°	4998.3	4379.7	3805.2	3276.6	2758.2	2276.1	1862.0	1522.6	1218.4	912.7	641.5
-45°	4648.7	4075.0	3554.6	3063.5	2578.4	2154.5	1781.2	1452.0	1164.3	890.8	625.5
-47.5°	4288.1	3780.7	3300.8	2838.3	2426.0	2027.4	1689.3	1381.8	1102.8	859.1	607.1
-50°	3947.9	3484.7	3045.5	2635.5	2252.2	1912.2	1589.9	1302.7	1041.1	806.0	582.6
-52.5°	3627.9	3198.8	2804.1	2431.8	2098.1	1785.1	1490.1	1215.9	972.5	754.2	552.2
-55°	3310.1	2926.4	2568.3	2243.6	1940.9	1656.1	1380.5	1128.6	897.2	699.9	516.8
-57.5°	3004.2	2656.5	2352.0	2060.2	1780.0	1517.3	1268.0	1033.8	823.9	640.5	482.7
-60°	2696.7	2415.0	2140.7	1869.5	1611.8	1373.8	1150.6	935.4	747.1	578.4	439.7
-62.5°	2418.1	2165.5	1917.2	1669.0	1440.6	1227.8	1027.3	838.0	664.6	520.4	392.0
-65°	2132.6	1906.1	1683.1	1470.5	1267.3	1077.8	905.2	734.3	588.1	458.8	345.0
-67.5°	1843.5	1645.9	1456.6	1267.9	1095.4	932.4	776.4	637.6	510.5	394.0	304.4
-70°	1555.0	1384.2	1229.2	1076.8	926.2	784.2	660.5	541.8	429.2	341.2	261.8
-72.5°	1272.7	1139.4	1011.7	883.8	763.4	649.9	543.6	446.4	363.0	286.6	217.4
-75°	999.9	900.0	803.8	706.1	605.8	512.8	437.4	365.7	294.9	230.1	178.8
-77.5°	757.4	678.3	601.1	533.1	464.0	399.3	339.3	282.6	228.2	182.3	141.6
-80°	533.6	482.2	432.2	382.9	331.3	283.6	245.6	208.7	169.5	134.4	103.3
-82.5°	331.9	302.7	275.4	247.9	218.2	189.8	162.7	136.8	109.6	85.4	71.1
-85°	182.1	164.6	147.0	129.5	111.8	95.0	87.0	79.0	69.4	60.2	51.6
-87.5°	76.0	71.6	67.2	62.8	58.6	54.5	50.5	46.5	41.4	36.6	32.1
-90°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5	7.0	7.4



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.9	11.4	10.9	10.4	9.9	8.9	7.9
87.5°	12.0	11.4	11.0	10.7	10.6	9.2	7.9
85°	16.1	14.4	13.0	12.0	11.3	9.5	7.9
82.5°	20.2	17.4	15.1	13.3	12.0	9.8	7.9
80°	23.8	20.3	17.1	14.6	12.6	10.1	7.9
77.5°	24.7	22.3	19.1	15.8	13.3	10.4	7.9
75°	25.5	22.7	20.7	17.0	13.9	10.7	7.9
72.5°	26.2	23.1	20.7	18.2	14.6	10.9	7.9
70°	26.9	23.3	20.7	19.1	15.2	11.2	7.9
67.5°	27.7	23.5	20.7	18.9	15.7	11.5	7.9
65°	28.5	24.0	20.6	18.7	16.3	11.7	7.9
62.5°	29.3	24.8	20.5	18.5	16.8	12.0	7.9
60°	30.1	25.6	20.3	18.2	17.4	12.2	7.9
57.5°	31.6	26.4	20.9	18.0	17.2	12.4	7.9
55°	33.2	27.1	21.6	17.6	17.0	12.6	7.9
52.5°	34.7	28.0	22.3	17.3	16.9	12.8	7.9
50°	36.2	29.3	22.9	16.9	16.8	13.0	7.9
47.5°	37.8	30.5	23.6	16.7	16.7	13.2	7.9
45°	40.0	31.7	24.2	17.2	16.6	13.3	7.9
42.5°	42.3	32.8	24.8	17.6	16.6	13.5	7.9
40°	44.7	33.9	25.5	18.4	16.5	13.6	7.9
37.5°	47.2	34.9	26.3	19.3	16.5	13.8	7.9
35°	49.8	36.5	27.1	20.3	16.6	13.9	7.9
32.5°	52.5	38.5	27.7	21.2	16.6	14.0	7.9
30°	55.6	40.4	28.4	22.3	16.6	14.0	7.9
27.5°	58.7	42.3	30.4	23.3	16.7	14.1	7.9
25°	61.9	44.1	32.7	24.4	16.8	14.1	7.9
22.5°	65.1	46.9	35.1	25.4	16.9	14.2	7.9
20°	68.2	51.9	37.6	26.5	17.0	14.2	7.9
17.5°	74.1	57.1	40.2	27.5	17.1	14.2	7.9
15°	81.5	62.2	42.8	28.5	17.2	14.2	7.9
12.5°	88.9	67.4	45.4	29.5	17.3	14.2	7.9
10°	96.1	72.5	48.0	30.5	17.5	14.2	7.9
7.5°	103.2	77.5	50.5	31.4	17.6	14.1	7.9
5°	110.1	82.3	53.0	32.2	17.7	14.1	7.9
2.5°	116.7	86.9	55.3	33.0	17.8	14.0	7.9
0°	123.0	91.2	57.5	33.7	17.9	13.9	7.9
-2.5°	153.8	109.0	66.8	37.8	19.3	14.2	7.9
-5°	183.9	126.3	75.9	41.8	20.6	14.4	7.9
-7.5°	212.9	142.9	84.5	45.6	21.9	14.6	7.9
-10°	240.2	158.4	92.7	49.2	23.2	14.8	7.9
-12.5°	265.7	172.9	100.2	52.6	24.4	15.0	7.9
-15°	289.0	185.9	107.1	55.6	25.5	15.2	7.9
-17.5°	309.7	197.4	113.1	58.3	26.5	15.3	7.9
-20°	332.3	207.2	118.3	60.6	27.5	15.5	7.9



REPORT NUMBER: P731734 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	359.2	215.2	122.5	62.5	28.3	15.6	7.9
-25°	382.2	227.3	125.7	64.0	29.0	15.7	7.9
-27.5°	401.0	239.6	127.9	65.0	29.6	15.7	7.9
-30°	415.1	249.1	129.4	65.5	30.0	15.7	7.9
-32.5°	424.6	255.8	134.2	65.5	30.4	15.7	7.9
-35°	431.3	259.5	137.4	65.0	30.5	15.7	7.9
-37.5°	434.6	261.2	138.9	63.9	30.6	15.7	7.9
-40°	433.3	262.2	138.5	62.3	30.5	15.6	7.9
-42.5°	427.5	260.3	137.8	60.9	30.2	15.5	7.9
-45°	417.1	255.6	137.0	60.2	29.8	15.3	7.9
-47.5°	402.2	248.0	134.6	58.6	29.2	15.2	7.9
-50°	387.5	237.5	130.8	58.1	28.5	15.0	7.9
-52.5°	369.5	224.3	125.6	57.5	27.6	14.7	7.9
-55°	347.6	213.2	118.9	56.3	26.6	14.5	7.9
-57.5°	322.0	200.9	110.9	54.4	25.5	14.2	7.9
-60°	293.8	186.4	101.7	51.9	24.2	13.9	7.9
-62.5°	270.2	170.0	95.4	48.8	23.3	13.6	7.9
-65°	244.1	151.8	88.0	45.2	22.4	13.2	7.9
-67.5°	215.4	134.9	79.7	41.1	21.3	12.9	7.9
-70°	184.5	119.6	70.6	36.6	20.2	12.5	7.9
-72.5°	158.7	103.1	60.7	33.5	19.1	12.1	7.9
-75°	132.4	85.5	50.1	30.6	17.9	11.7	7.9
-77.5°	104.7	67.0	43.3	27.5	16.6	11.2	7.9
-80°	75.9	53.8	37.1	24.3	15.3	10.8	7.9
-82.5°	59.1	43.5	30.8	20.9	14.0	10.3	7.9
-85°	43.6	33.0	24.3	17.5	12.7	9.8	7.9
-87.5°	27.8	22.2	17.6	14.0	11.3	9.4	7.9
-90°	7.9	8.4	8.9	9.4	9.9	8.9	7.9

(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

