

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: P731614 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-7F-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731614 (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-40-70-7F-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

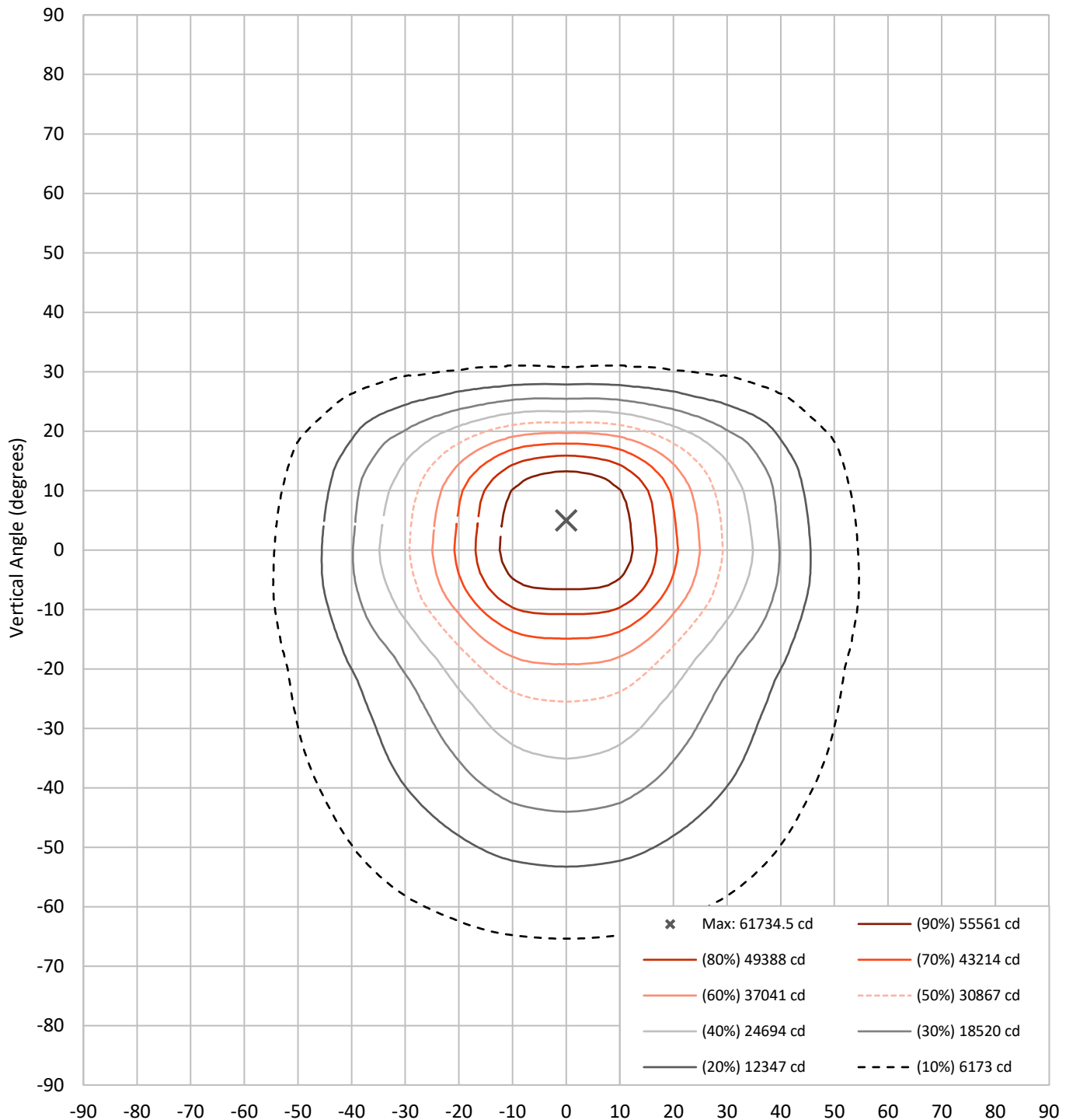
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	60489.5 lumens	Max Intensity:	61734.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	86.8 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:	29094.2 lumens	Field Lumens:	56075.5 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

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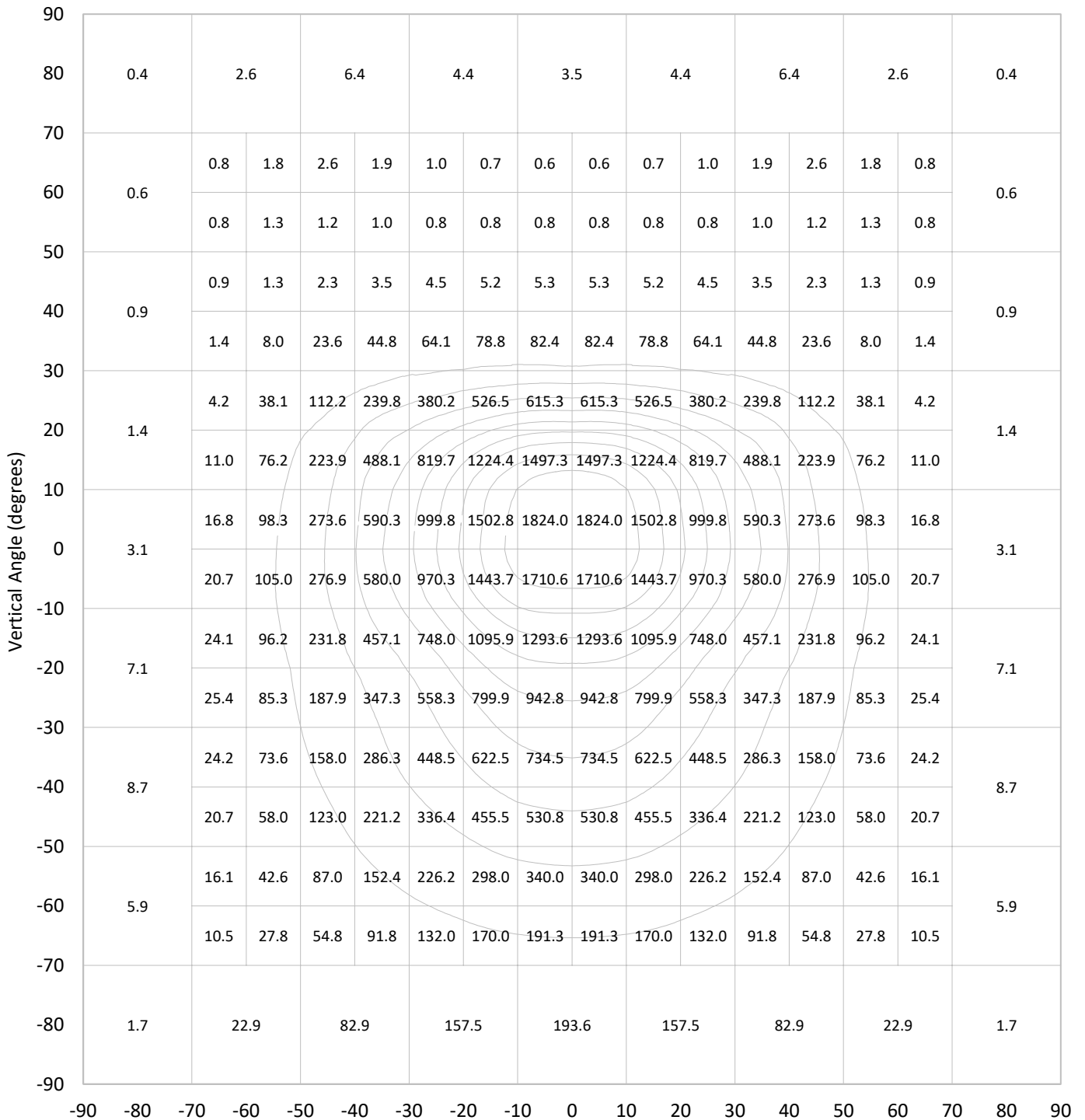
Iso-Candela Plot





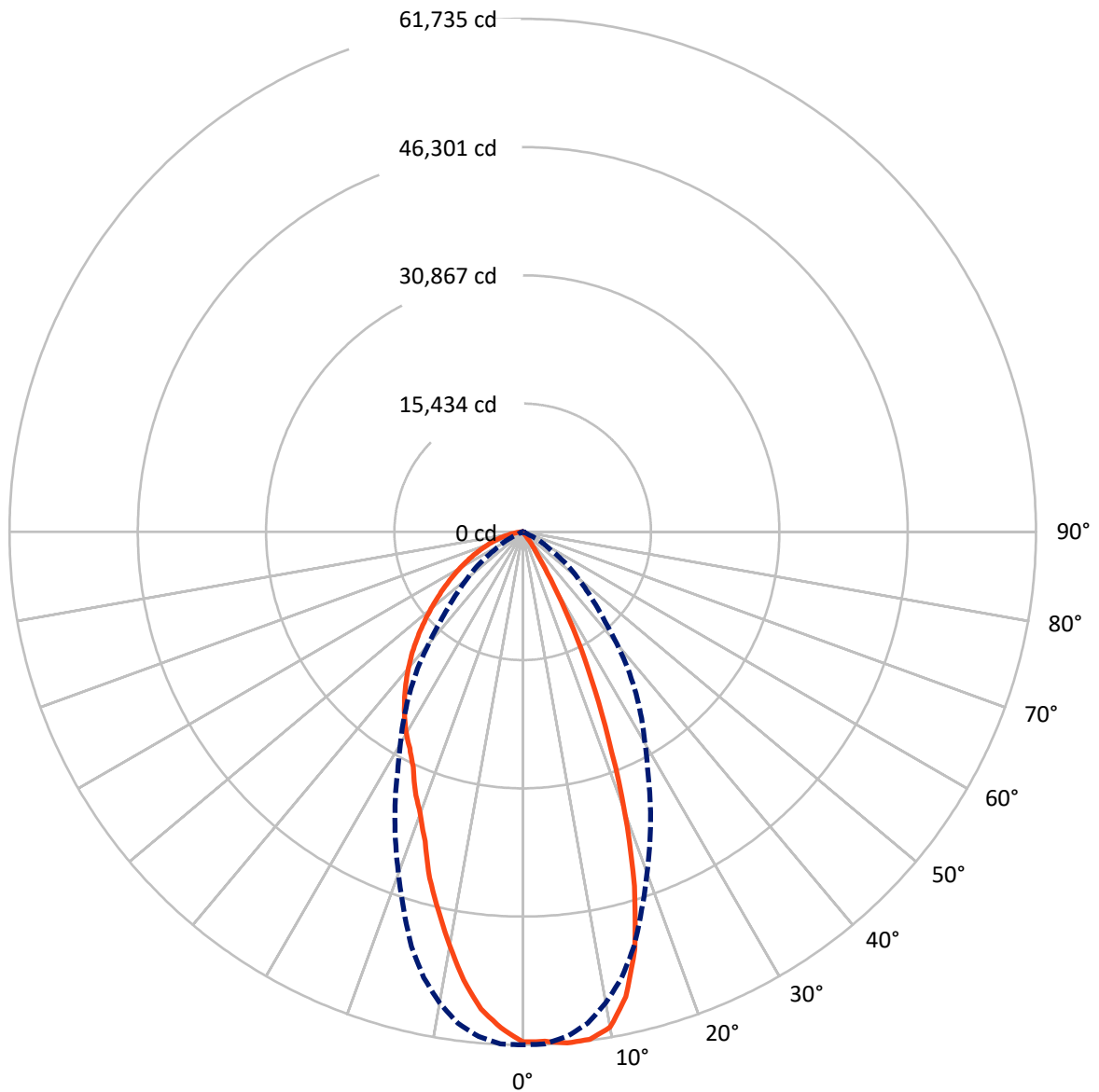
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Lumen Table



REPORT NUMBER: P731614 (CONVERTED FROM TYPE C PHOTOMETRY)
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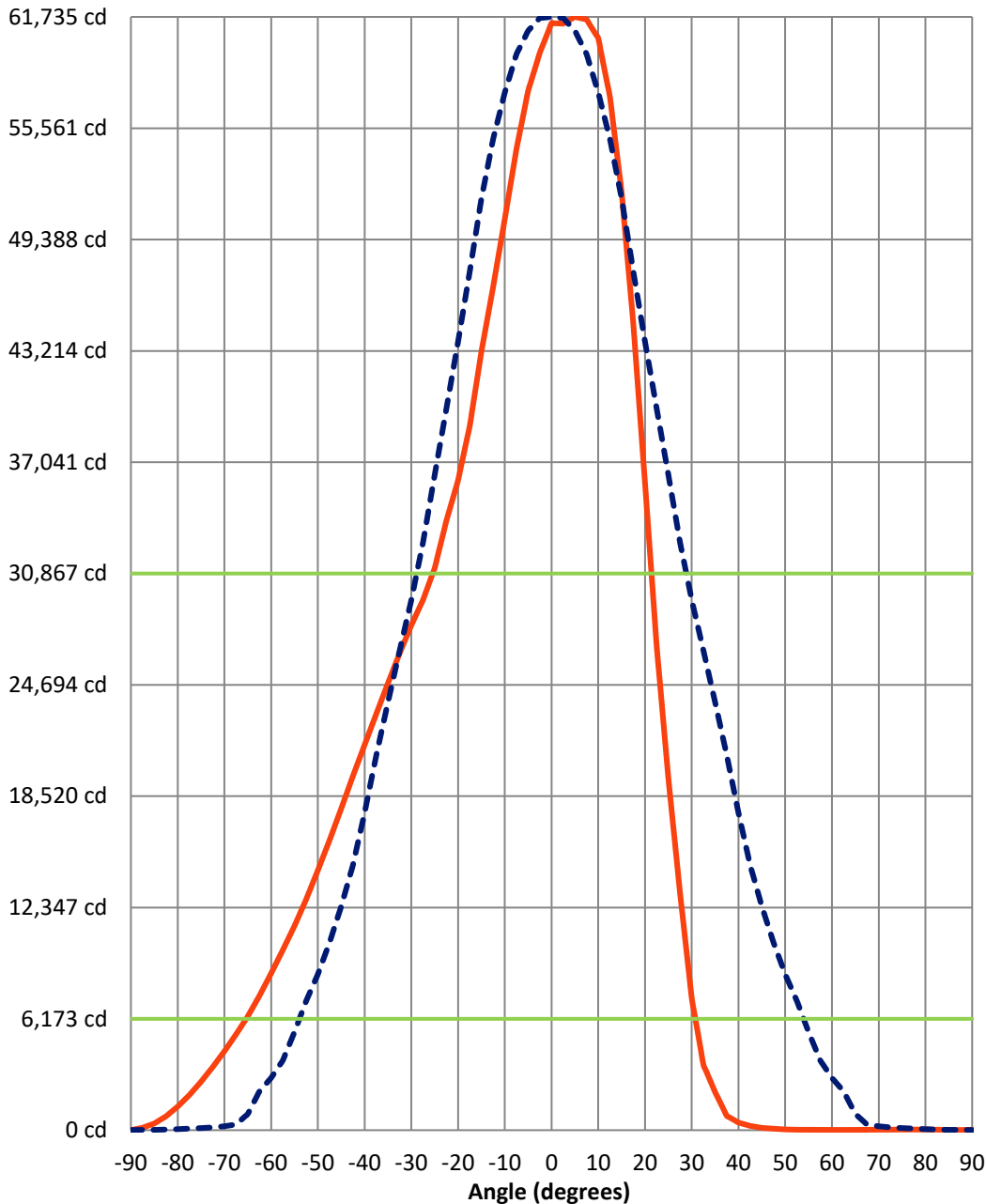
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 29094.2
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 56075.5
 Efficiency: 92.7%

Spill:
 Lumens: 4413.9
 Efficiency: 7.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.5	9.6	10.6	11.1	11.7	12.2	12.7	13.2	13.8	14.3	14.8
87.5°	8.5	9.9	11.3	11.4	11.7	12.2	12.9	12.7	12.5	12.1	11.7
85°	8.5	10.2	12.1	12.8	13.9	15.4	17.2	17.5	17.5	17.4	17.1
82.5°	8.5	10.5	12.8	14.2	16.1	18.6	21.5	22.3	22.7	23.8	26.3
80°	8.5	10.8	13.5	15.5	18.2	21.7	25.4	25.8	27.9	31.8	37.5
77.5°	8.5	11.1	14.2	16.8	20.3	23.8	26.3	28.5	32.8	39.4	46.0
75°	8.5	11.4	14.8	18.1	22.0	24.2	27.2	31.0	37.1	42.3	47.4
72.5°	8.5	11.7	15.5	19.4	22.1	24.6	27.9	32.9	38.2	43.4	48.7
70°	8.5	12.0	16.1	20.3	22.1	24.8	28.6	33.7	39.1	44.6	51.3
67.5°	8.5	12.3	16.7	20.1	22.0	25.0	29.5	34.5	40.0	47.0	54.0
65°	8.5	12.5	17.3	19.9	21.9	25.6	30.4	35.2	42.1	49.4	57.0
62.5°	8.5	12.8	17.9	19.7	21.8	26.4	31.2	36.6	44.1	51.8	60.8
60°	8.5	13.0	18.4	19.4	21.6	27.3	32.1	38.2	46.0	54.6	64.2
57.5°	8.5	13.2	18.3	19.1	22.3	28.1	33.7	39.9	48.0	57.2	65.9
55°	8.5	13.5	18.1	18.8	23.0	29.0	35.4	41.7	49.8	59.2	66.9
52.5°	8.5	13.7	18.0	18.4	23.8	29.9	37.0	43.8	51.4	60.3	68.0
50°	8.5	13.9	17.8	18.0	24.5	31.2	38.6	46.1	52.7	61.4	68.3
47.5°	8.5	14.1	17.7	17.8	25.2	32.5	40.3	48.6	53.7	62.5	69.5
45°	8.5	14.2	17.7	18.3	25.8	33.8	42.6	51.3	56.8	64.8	71.7
42.5°	8.5	14.4	17.6	18.8	26.5	35.0	45.1	54.3	60.3	67.7	75.3
40°	8.5	14.5	17.6	19.6	27.2	36.2	47.7	57.8	64.8	71.7	80.0
37.5°	8.5	14.6	17.6	20.6	28.1	37.2	50.3	61.4	70.6	78.7	85.9
35°	8.5	14.8	17.6	21.6	28.9	39.0	53.0	65.4	76.6	87.1	94.2
32.5°	8.5	14.9	17.6	22.6	29.6	41.0	56.0	69.6	83.0	96.6	109.8
30°	8.5	14.9	17.7	23.7	30.3	43.1	59.2	74.2	89.5	107.0	127.8
27.5°	8.5	15.0	17.7	24.8	32.5	45.1	62.6	79.5	97.0	118.2	147.9
25°	8.5	15.1	17.8	26.0	34.9	47.1	66.0	84.9	106.1	133.3	172.2
22.5°	8.5	15.1	17.9	27.1	37.5	50.0	69.3	90.2	115.5	150.8	252.6
20°	8.5	15.1	18.0	28.2	40.2	55.4	72.7	95.6	125.1	169.2	342.8
17.5°	8.5	15.1	18.2	29.4	42.9	60.9	78.9	100.8	134.9	188.2	440.4
15°	8.5	15.1	18.3	30.5	45.7	66.4	86.9	108.8	144.7	207.4	543.1
12.5°	8.5	15.1	18.4	31.5	48.5	71.9	94.8	120.4	159.8	226.6	648.3
10°	8.5	15.1	18.5	32.5	51.3	77.3	102.5	131.9	179.4	256.3	747.5
7.5°	8.5	15.0	18.7	33.5	54.0	82.6	110.1	143.4	198.8	287.1	828.1
5°	8.5	15.0	18.8	34.4	56.6	87.8	117.4	154.5	217.9	316.9	898.5
2.5°	8.5	14.9	18.9	35.3	59.1	92.7	124.5	165.3	236.4	345.5	957.8
0°	8.5	14.8	19.0	36.0	61.4	97.3	131.2	175.6	253.9	372.4	1005.0
-2.5°	8.5	15.1	20.5	40.4	71.4	116.3	164.1	230.9	340.1	498.1	1136.2
-5°	8.5	15.3	21.9	44.7	81.0	134.8	196.2	284.7	423.7	619.8	1254.5
-7.5°	8.5	15.6	23.3	48.7	90.2	152.4	227.0	336.3	503.6	735.8	1359.9
-10°	8.5	15.8	24.7	52.5	98.9	169.0	256.2	384.9	578.4	844.2	1452.5
-12.5°	8.5	16.0	25.9	56.1	106.9	184.4	283.4	429.7	647.0	943.4	1538.9
-15°	8.5	16.2	27.1	59.3	114.2	198.3	308.2	470.1	712.0	1032.9	1612.9
-17.5°	8.5	16.3	28.2	62.2	120.7	210.6	330.3	513.2	774.7	1112.1	1670.1
-20°	8.5	16.5	29.2	64.6	126.2	221.0	354.4	557.3	830.0	1180.0	1709.9



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.5	16.6	30.1	66.7	130.7	229.5	383.1	595.7	877.3	1235.7	1731.9
-25°	8.5	16.7	30.9	68.2	134.1	242.5	407.7	627.9	916.0	1278.4	1735.7
-27.5°	8.5	16.7	31.5	69.3	136.4	255.5	427.6	653.6	945.8	1312.0	1776.8
-30°	8.5	16.8	32.0	69.8	138.0	265.7	442.8	672.4	971.3	1342.0	1802.8
-32.5°	8.5	16.8	32.3	69.9	143.2	272.8	452.8	688.5	990.4	1359.8	1810.7
-35°	8.5	16.8	32.5	69.3	146.6	276.8	460.1	698.7	999.8	1365.2	1800.1
-37.5°	8.5	16.7	32.6	68.2	148.1	278.7	463.5	701.4	999.4	1358.0	1746.8
-40°	8.5	16.6	32.5	66.5	147.8	279.7	462.1	696.6	989.2	1345.4	1690.7
-42.5°	8.5	16.5	32.2	65.0	147.0	277.7	455.9	684.2	973.5	1299.6	1624.0
-45°	8.5	16.3	31.7	64.2	146.1	272.6	444.9	667.2	950.2	1241.9	1548.7
-47.5°	8.5	16.2	31.1	62.5	143.6	264.5	429.0	647.5	916.3	1176.2	1473.8
-50°	8.5	16.0	30.4	62.0	139.5	253.3	413.3	621.4	859.6	1110.4	1389.4
-52.5°	8.5	15.7	29.4	61.3	133.9	239.3	394.1	589.0	804.4	1037.2	1296.9
-55°	8.5	15.5	28.4	60.0	126.8	227.4	370.8	551.3	746.6	956.9	1203.8
-57.5°	8.5	15.2	27.1	58.0	118.2	214.2	343.4	514.8	683.2	878.8	1102.6
-60°	8.5	14.9	25.8	55.3	108.5	198.8	313.3	469.0	616.9	796.8	997.7
-62.5°	8.5	14.5	24.9	52.1	101.7	181.3	288.2	418.1	555.0	708.8	893.8
-65°	8.5	14.1	23.8	48.2	93.9	161.9	260.3	367.9	489.4	627.3	783.2
-67.5°	8.5	13.8	22.7	43.9	85.0	143.9	229.7	324.6	420.2	544.5	680.0
-70°	8.5	13.3	21.6	39.0	75.3	127.6	196.8	279.2	363.9	457.8	577.9
-72.5°	8.5	12.9	20.4	35.7	64.7	110.0	169.3	231.8	305.7	387.2	476.1
-75°	8.5	12.5	19.1	32.6	53.4	91.2	141.2	190.7	245.4	314.5	390.1
-77.5°	8.5	12.0	17.7	29.4	46.2	71.4	111.7	151.0	194.4	243.4	301.4
-80°	8.5	11.5	16.4	25.9	39.6	57.4	81.0	110.2	143.3	180.8	222.6
-82.5°	8.5	11.0	15.0	22.3	32.8	46.4	63.0	75.8	91.2	117.0	146.0
-85°	8.5	10.6	13.5	18.7	25.9	35.2	46.5	55.1	64.3	74.0	84.3
-87.5°	8.5	10.1	12.1	14.9	18.8	23.7	29.7	34.2	39.1	44.2	49.6
-90°	8.5	9.6	10.6	10.1	9.6	9.0	8.5	8.0	7.4	6.9	6.3



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 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.8	14.8	14.8	14.8	15.3	15.9	16.4	16.9	18.0	19.1	20.1
87.5°	12.4	13.2	14.0	14.8	13.8	12.5	11.0	9.4	9.9	10.4	11.0
85°	18.5	20.1	22.0	23.4	22.3	21.4	20.7	20.3	21.4	22.3	23.0
82.5°	28.9	30.7	31.7	32.0	32.6	33.6	35.4	39.2	41.6	43.2	44.1
80°	40.3	41.5	42.4	45.2	50.2	56.2	62.8	70.0	72.4	72.6	71.8
77.5°	47.3	49.8	54.8	62.2	70.5	78.8	88.1	98.1	101.0	100.1	98.2
75°	51.4	57.4	66.1	76.8	87.8	99.1	111.1	122.4	125.6	122.0	117.3
72.5°	55.3	64.5	76.1	90.0	102.0	113.6	126.5	140.7	145.7	138.4	130.0
70°	59.2	70.8	84.0	97.8	111.5	124.7	137.3	150.9	158.9	147.7	130.6
67.5°	62.6	76.0	90.1	104.2	116.7	129.7	143.8	149.6	153.3	135.1	115.7
65°	66.5	80.8	93.6	106.2	119.5	124.8	129.4	134.4	133.6	112.9	92.2
62.5°	70.5	82.2	94.5	104.3	107.6	110.7	110.7	107.6	102.5	88.3	70.5
60°	71.9	82.1	90.5	93.8	94.7	91.6	87.6	83.6	77.4	65.4	53.3
57.5°	72.8	78.3	82.1	83.1	79.5	73.5	70.7	64.4	59.1	52.1	42.2
55°	72.4	71.7	74.0	72.0	67.7	62.8	57.8	53.7	47.2	45.0	40.6
52.5°	70.5	67.3	66.2	64.0	61.1	56.1	51.3	47.9	46.3	43.7	40.0
50°	69.9	65.6	60.6	60.4	58.1	54.5	49.3	48.6	48.7	46.4	42.1
47.5°	70.7	65.7	59.3	59.5	59.7	61.1	56.7	54.8	55.5	61.7	55.0
45°	73.1	70.4	63.7	63.5	69.4	77.4	84.4	64.9	84.5	94.3	102.0
42.5°	76.9	78.1	81.5	69.5	91.9	120.1	133.7	140.6	133.4	164.3	196.1
40°	85.4	88.3	112.0	121.2	130.8	189.4	270.5	289.5	220.0	305.9	359.0
37.5°	95.9	125.7	166.9	216.5	212.0	334.2	461.3	558.8	549.1	519.2	743.5
35°	107.9	171.8	282.6	393.3	441.8	557.7	792.1	961.8	1062.8	1123.8	1308.6
32.5°	141.2	226.4	427.3	662.4	864.9	979.8	1201.1	1573.3	1925.4	2135.6	2133.5
30°	199.5	360.7	631.5	992.8	1386.5	1709.3	1892.3	2370.6	3041.7	3519.0	3837.1
27.5°	285.7	523.8	946.6	1470.1	2021.5	2569.6	2934.9	3556.3	4459.4	5186.8	5866.3
25°	391.1	783.1	1301.6	2037.6	2848.4	3544.6	4070.1	4933.8	6078.2	7219.1	8355.8
22.5°	558.9	1084.1	1695.5	2658.1	3761.1	4552.4	5324.2	6376.9	7700.4	9302.1	11035.4
20°	792.6	1434.5	2116.0	3145.0	4673.7	5578.2	6525.7	7782.2	9325.8	11272.6	13586.7
17.5°	1045.3	1765.3	2528.5	3675.5	5167.1	6420.4	7692.7	9124.7	10854.5	13112.8	15605.7
15°	1311.0	2076.4	2896.9	4149.1	5628.9	6982.9	8488.4	10350.8	12390.7	14833.1	17440.7
12.5°	1583.4	2367.7	3223.4	4566.4	6069.8	7492.7	9098.2	11035.2	13408.3	16273.1	19010.6
10°	1855.9	2639.1	3510.3	4927.9	6483.4	7948.4	9621.9	11603.7	14018.1	16888.4	19847.3
7.5°	2022.9	2818.2	3744.9	5234.9	6862.7	8349.2	10061.5	12060.5	14440.6	17328.3	20377.7
5°	2149.2	2898.7	3866.8	5444.1	7162.6	8646.1	10404.5	12410.5	14694.9	17596.3	20780.5
2.5°	2247.5	2958.0	3964.1	5599.6	7389.2	8807.5	10608.7	12634.4	14959.9	17929.5	21187.3
0°	2316.8	2998.1	4034.8	5706.3	7559.7	8911.7	10741.9	12768.8	15144.8	18219.1	21549.3
-2.5°	2384.2	3122.0	4178.5	5842.3	7584.3	8927.2	10792.6	12774.2	15144.7	18162.9	21399.3
-5°	2426.5	3225.2	4292.0	5928.0	7559.2	8895.3	10764.6	12697.6	14979.7	17833.6	20843.2
-7.5°	2448.4	3304.2	4373.9	5940.9	7428.6	8707.6	10428.1	12245.2	14434.9	17109.2	19884.2
-10°	2460.1	3351.7	4365.2	5762.1	7157.4	8405.9	9978.9	11719.7	13782.4	16269.2	18836.8
-12.5°	2492.4	3377.5	4325.7	5566.8	6862.9	8064.9	9480.6	11129.1	13025.5	15329.9	17685.6
-15°	2509.9	3390.5	4270.7	5365.4	6553.4	7687.1	8941.3	10479.2	12205.6	14266.9	16356.9
-17.5°	2514.8	3392.9	4203.7	5166.9	6236.3	7275.4	8410.7	9922.3	11494.2	13274.2	15056.7
-20°	2509.3	3386.6	4127.9	4980.1	5924.6	6976.2	8122.3	9441.1	10848.2	12353.4	13838.4



REPORT NUMBER: P731614 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2495.5	3373.3	4063.9	4847.6	5774.9	6780.2	7834.5	8975.6	10186.4	11493.5	12999.4
-25°	2488.5	3324.8	4021.1	4753.8	5630.0	6574.1	7531.9	8545.7	9601.3	10970.1	12406.5
-27.5°	2477.6	3273.7	3937.1	4623.8	5462.4	6365.9	7264.2	8189.5	9273.3	10503.0	11836.0
-30°	2444.9	3150.0	3822.9	4471.4	5285.1	6155.5	7013.3	7893.0	8918.4	10077.8	11314.5
-32.5°	2352.9	3009.5	3671.1	4322.6	5071.6	5924.9	6754.3	7607.3	8558.6	9597.5	10787.1
-35°	2250.0	2864.7	3500.9	4138.0	4822.3	5645.2	6452.2	7276.7	8159.7	9134.4	10243.5
-37.5°	2175.1	2709.0	3318.6	3930.0	4586.8	5318.0	6109.3	6902.9	7738.9	8667.6	9716.7
-40°	2085.8	2543.2	3133.7	3718.8	4316.7	4990.8	5730.1	6491.8	7276.6	8202.8	9164.1
-42.5°	1986.0	2427.7	2942.0	3494.9	4058.7	4671.5	5331.3	6056.0	6843.4	7705.0	8607.7
-45°	1899.9	2298.0	2750.1	3267.6	3791.4	4346.5	4958.4	5606.4	6384.2	7185.8	8024.1
-47.5°	1801.9	2162.5	2587.7	3027.3	3520.7	4032.6	4573.8	5204.9	5895.9	6646.6	7415.4
-50°	1695.9	2039.6	2402.3	2811.1	3248.4	3716.9	4211.0	4786.8	5417.6	6088.3	6795.8
-52.5°	1589.3	1904.1	2237.9	2593.8	2990.9	3411.9	3869.6	4382.4	4940.7	5528.4	6152.7
-55°	1472.5	1766.5	2070.3	2393.1	2739.4	3121.4	3530.6	3989.1	4469.0	5001.8	5526.9
-57.5°	1352.5	1618.4	1898.6	2197.5	2508.8	2833.6	3204.4	3592.7	4026.4	4481.8	4945.2
-60°	1227.2	1465.3	1719.2	1994.1	2283.4	2576.0	2876.4	3220.4	3588.5	3967.0	4381.2
-62.5°	1095.7	1309.5	1536.6	1780.3	2045.0	2309.8	2579.2	2863.8	3162.1	3501.9	3847.5
-65°	965.5	1149.6	1351.7	1568.5	1795.3	2033.1	2274.7	2518.5	2779.4	3059.4	3350.4
-67.5°	828.1	994.4	1168.3	1352.3	1553.7	1755.6	1966.4	2186.8	2408.5	2635.4	2874.3
-70°	704.5	836.4	987.9	1148.5	1311.0	1476.4	1658.6	1847.8	2041.1	2234.1	2432.6
-72.5°	579.8	693.2	814.3	942.6	1079.1	1215.3	1357.5	1505.1	1662.0	1824.5	1989.5
-75°	466.5	546.9	646.1	753.1	857.4	959.9	1066.6	1186.6	1310.8	1436.1	1561.0
-77.5°	361.9	425.9	494.9	568.6	641.1	723.5	807.9	893.9	983.9	1076.2	1169.8
-80°	261.9	302.5	353.4	408.3	461.0	514.3	569.1	625.1	683.8	748.5	818.4
-82.5°	173.6	202.4	232.7	264.3	293.7	322.8	353.9	392.1	430.6	470.2	510.6
-85°	92.8	101.4	119.3	138.1	156.8	175.5	194.2	212.9	232.0	250.7	268.7
-87.5°	53.9	58.2	62.5	67.0	71.7	76.4	81.1	85.7	92.1	98.4	104.8
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	21.2	21.7	22.3	22.8	23.3	23.8	24.4	24.9	25.4	25.9	26.5
87.5°	11.5	10.7	9.9	9.0	8.1	10.6	13.2	15.8	18.5	17.1	15.7
85°	23.5	23.6	23.8	23.9	24.0	26.7	29.5	32.2	34.8	32.2	29.3
82.5°	44.3	43.6	42.1	39.8	36.9	36.2	35.3	33.9	32.2	30.9	29.6
80°	70.2	66.7	62.1	56.6	50.4	47.3	44.4	41.1	37.6	36.5	35.7
77.5°	94.5	87.9	80.1	71.7	62.7	57.1	52.0	46.5	40.7	39.0	38.0
75°	111.5	103.1	92.0	80.1	67.6	58.8	51.9	45.0	38.2	36.5	36.2
72.5°	120.4	108.9	94.7	78.0	62.1	51.5	45.0	39.2	34.0	32.1	31.3
70°	113.2	95.7	79.3	63.9	49.8	40.3	35.8	31.7	28.1	27.2	27.7
67.5°	95.6	78.0	63.1	49.9	38.6	30.9	28.2	26.1	24.5	23.9	23.9
65°	74.7	59.8	47.7	37.7	29.6	24.9	24.0	23.1	22.3	21.5	20.8
62.5°	55.1	43.8	36.2	30.4	26.1	23.3	22.6	21.6	20.5	19.4	18.6
60°	42.8	34.0	30.1	27.7	25.5	23.7	22.9	22.4	22.0	21.7	21.1
57.5°	37.3	32.8	29.2	27.8	26.6	25.7	25.3	24.8	24.1	23.2	22.5
55°	36.4	32.9	29.8	29.0	28.5	27.8	27.2	26.4	25.6	24.7	24.3
52.5°	36.5	34.9	32.6	31.5	32.0	31.2	29.4	30.3	30.5	29.6	29.1
50°	41.2	41.6	42.1	38.6	42.2	43.8	41.6	43.4	46.0	46.3	46.1
47.5°	58.4	62.3	67.4	63.4	68.1	75.1	74.6	75.1	81.4	82.2	81.9
45°	93.2	110.0	118.0	122.5	120.8	137.2	140.4	135.1	143.7	145.4	142.9
42.5°	186.6	195.9	216.9	233.6	224.0	241.0	246.0	230.6	245.6	252.3	245.1
40°	417.8	332.2	394.4	437.4	422.4	389.5	446.5	426.1	424.2	447.9	429.3
37.5°	824.8	732.1	795.9	918.6	914.1	759.7	932.0	920.8	774.1	947.9	932.8
35°	1479.2	1650.6	1574.2	1803.5	1870.0	1904.6	2000.1	2098.9	1990.7	2133.1	2129.4
32.5°	2648.7	3004.2	3161.3	3189.3	3483.6	3723.5	3621.9	4006.7	3983.2	4079.4	4177.7
30°	4181.6	4973.9	5375.0	5384.9	5873.3	6303.2	6439.5	6922.4	7208.0	7160.6	7638.9
27.5°	6671.6	7450.1	8110.5	8674.1	9054.7	9732.5	10675.7	11151.8	11853.5	12128.7	12789.9
25°	9485.2	10452.3	11495.0	12475.8	13281.2	14495.2	15669.3	16409.6	17413.6	18200.5	19000.0
22.5°	12533.2	13816.2	15154.1	16621.2	18119.1	19600.2	21026.2	22394.1	23732.6	25211.2	26115.0
20°	15649.4	17099.6	18728.0	20716.4	22794.5	24580.6	26528.5	28673.1	30723.5	32631.9	34073.4
17.5°	18017.4	20261.6	22025.8	24176.8	26757.6	29273.7	31756.9	34585.1	37193.6	39626.8	41796.7
15°	19825.8	22178.4	24735.2	27331.7	30050.3	33046.2	36462.0	39556.7	42779.0	45640.7	48320.7
12.5°	21402.1	23790.4	26466.3	29494.4	32923.6	36140.1	39719.9	43590.2	47008.9	50370.7	52885.2
10°	22565.4	25218.6	27931.4	30975.9	34472.8	38228.1	42107.8	46020.0	49853.2	53098.4	55799.9
7.5°	23207.2	26024.9	28863.2	32042.5	35637.7	39331.5	43207.1	47291.7	51150.2	54492.2	56973.2
5°	23729.5	26594.1	29399.7	32591.7	36337.6	40006.8	43719.5	47618.1	51658.1	54954.4	57535.7
2.5°	24185.5	26980.4	29717.1	32825.0	36685.4	40370.9	44188.2	48229.4	52136.3	55316.1	57828.7
0°	24581.3	27219.6	29896.1	32976.7	37013.6	40743.8	44499.3	48453.7	52433.5	55531.0	58074.2
-2.5°	24294.9	26881.9	29519.1	32668.1	36518.0	40187.2	43964.0	47968.4	51738.1	54875.6	57341.2
-5°	23548.4	26040.4	28659.1	31800.4	35475.3	39069.3	42795.8	46653.0	50196.5	53333.3	55601.3
-7.5°	22456.9	24896.4	27505.0	30597.0	34016.7	37278.7	40609.1	44184.6	47711.6	50481.0	52641.3
-10°	21243.7	23565.5	25966.5	28685.9	31713.9	34760.7	37820.8	41144.6	44252.3	46852.7	48932.2
-12.5°	19803.3	21865.7	24076.4	26448.3	29228.2	32130.1	35048.2	37959.5	40825.8	43165.1	45048.9
-15°	18247.5	20071.3	22090.3	24384.6	26861.5	29422.2	32054.4	34834.7	37416.1	39595.0	41255.9
-17.5°	16712.7	18345.9	20398.0	22483.9	24485.6	26833.7	29451.6	31750.8	34106.4	36063.1	37530.3
-20°	15411.6	17168.7	18953.0	20735.3	22647.3	24930.2	27149.9	29317.6	31410.9	33192.5	34651.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14563.4	16107.2	17629.8	19315.6	21259.4	23273.9	25282.9	27253.7	29148.3	30840.6	32228.3
-25°	13792.2	15098.5	16606.3	18317.9	19959.3	21726.4	23623.3	25270.4	27067.6	28600.3	29787.5
-27.5°	13117.9	14410.7	15890.4	17429.9	18914.4	20507.2	22234.9	23807.0	25424.3	26898.0	27933.9
-30°	12530.9	13870.1	15261.6	16669.9	18068.0	19541.6	21043.2	22562.7	24046.6	25382.9	26378.5
-32.5°	12030.5	13287.0	14591.9	15902.5	17177.2	18519.5	19912.5	21309.4	22684.1	23853.3	24828.2
-35°	11461.7	12664.6	13877.1	15054.1	16234.8	17435.4	18728.2	20036.0	21266.0	22333.5	23285.1
-37.5°	10827.0	11985.9	13092.5	14163.9	15258.4	16368.6	17566.0	18767.5	19897.3	20863.5	21770.9
-40°	10195.2	11251.2	12253.5	13253.6	14257.0	15296.6	16379.6	17455.4	18447.1	19361.0	20206.6
-42.5°	9538.8	10463.1	11375.4	12306.4	13232.0	14169.6	15137.1	16115.4	16999.1	17832.7	18582.2
-45°	8876.5	9669.8	10475.7	11328.5	12173.7	13015.4	13853.1	14678.9	15506.3	16283.0	16916.1
-47.5°	8172.3	8888.2	9619.8	10353.0	11110.4	11878.7	12611.0	13325.9	14056.7	14750.8	15273.8
-50°	7461.6	8124.3	8785.7	9431.7	10101.2	10777.0	11444.2	12073.4	12685.6	13276.0	13684.9
-52.5°	6745.8	7358.7	7964.7	8548.9	9129.9	9705.9	10271.2	10829.4	11365.8	11871.8	12195.9
-55°	6066.0	6612.6	7145.5	7655.7	8168.4	8674.3	9172.9	9661.2	10124.2	10559.2	10809.2
-57.5°	5426.6	5902.7	6369.3	6808.6	7237.8	7654.7	8095.3	8539.0	8955.9	9329.7	9531.3
-60°	4803.7	5232.5	5633.0	6000.2	6368.2	6734.3	7105.5	7471.9	7828.8	8139.3	8312.7
-62.5°	4191.0	4557.4	4898.3	5214.2	5518.2	5820.6	6142.6	6451.6	6745.6	6985.3	7132.3
-65°	3654.2	3964.7	4219.8	4471.4	4721.1	4987.0	5254.5	5509.6	5751.1	5938.8	6062.7
-67.5°	3132.3	3387.6	3600.0	3808.8	4017.8	4229.2	4444.5	4653.2	4853.6	5005.4	5113.1
-70°	2636.1	2829.0	2995.4	3165.3	3338.5	3511.3	3684.4	3851.0	4010.1	4125.7	4212.3
-72.5°	2156.1	2305.3	2434.8	2566.7	2696.9	2830.7	2964.8	3093.6	3216.3	3299.1	3359.8
-75°	1685.2	1793.4	1897.2	1997.9	2094.9	2194.5	2293.2	2387.4	2476.6	2539.4	2589.4
-77.5°	1268.7	1345.6	1413.3	1479.7	1544.3	1613.5	1681.1	1744.9	1804.6	1848.2	1884.9
-80°	888.8	938.3	981.6	1022.3	1060.3	1103.2	1145.1	1184.8	1221.9	1247.4	1267.7
-82.5°	551.5	580.7	606.7	630.6	652.4	674.8	695.7	714.6	731.5	751.4	769.9
-85°	286.1	298.1	309.2	319.4	328.8	338.0	346.2	353.6	360.1	363.7	366.3
-87.5°	111.3	114.0	116.6	118.9	121.1	124.0	126.7	129.3	131.6	133.8	135.8
-90°	6.3	5.8	5.3	4.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	27.0	27.5	27.5	27.5	27.5	27.5	27.0	26.5	25.9	25.4	24.9
87.5°	14.2	12.7	11.6	10.6	11.6	12.7	14.2	15.7	17.1	18.5	15.8
85°	26.3	23.2	21.1	19.0	21.1	23.2	26.3	29.3	32.2	34.8	32.2
82.5°	28.5	27.5	27.5	27.5	27.5	27.5	28.5	29.6	30.9	32.2	33.9
80°	34.8	33.8	34.9	36.0	34.9	33.8	34.8	35.7	36.5	37.6	41.1
77.5°	37.0	36.0	36.0	36.0	36.0	36.0	37.0	38.0	39.0	40.7	46.5
75°	36.1	36.0	35.0	33.9	35.0	36.0	36.1	36.2	36.5	38.2	45.0
72.5°	30.6	29.8	29.6	29.6	29.6	29.8	30.6	31.3	32.1	34.0	39.2
70°	28.5	29.5	28.6	27.5	28.6	29.5	28.5	27.7	27.2	28.1	31.7
67.5°	23.7	23.5	23.3	23.3	23.3	23.5	23.7	23.9	23.9	24.5	26.1
65°	20.0	19.3	19.0	19.0	19.0	19.3	20.0	20.8	21.5	22.3	23.1
62.5°	17.8	17.1	16.9	16.9	16.9	17.1	17.8	18.6	19.4	20.5	21.6
60°	20.2	19.2	18.1	16.9	18.1	19.2	20.2	21.1	21.7	22.0	22.4
57.5°	21.8	21.3	21.2	21.2	21.2	21.3	21.8	22.5	23.2	24.1	24.8
55°	23.9	23.4	23.3	23.3	23.3	23.4	23.9	24.3	24.7	25.6	26.4
52.5°	28.6	27.7	26.7	25.4	26.7	27.7	28.6	29.1	29.6	30.5	30.3
50°	45.2	43.0	42.0	42.3	42.0	43.0	45.2	46.1	46.3	46.0	43.4
47.5°	83.5	83.5	83.1	82.5	83.1	83.5	83.5	81.9	82.2	81.4	75.1
45°	142.2	136.4	131.0	129.1	131.0	136.4	142.2	142.9	145.4	143.7	135.1
42.5°	249.9	248.6	244.2	239.1	244.2	248.6	249.9	245.1	252.3	245.6	230.6
40°	434.2	428.3	418.2	421.0	418.2	428.3	434.2	429.3	447.9	424.2	426.1
37.5°	904.2	860.8	795.0	795.5	795.0	860.8	904.2	932.8	947.9	774.1	920.8
35°	2116.5	2152.0	2109.9	2109.4	2109.9	2152.0	2116.5	2129.4	2133.1	1990.7	2098.9
32.5°	4050.3	3991.4	3752.8	3628.6	3752.8	3991.4	4050.3	4177.7	4079.4	3983.2	4006.7
30°	7630.4	7668.2	7310.6	7318.5	7310.6	7668.2	7630.4	7638.9	7160.6	7208.0	6922.4
27.5°	13056.6	13347.1	13270.7	13143.3	13270.7	13347.1	13056.6	12789.9	12128.7	11853.5	11151.8
25°	19524.3	19743.1	19596.6	19507.6	19596.6	19743.1	19524.3	19000.0	18200.5	17413.6	16409.6
22.5°	26992.7	27297.3	27220.9	26834.6	27220.9	27297.3	26992.7	26115.0	25211.2	23732.6	22394.1
20°	35260.4	35782.2	36085.4	35890.2	36085.4	35782.2	35260.4	34073.4	32631.9	30723.5	28673.1
17.5°	43337.8	44010.7	44526.7	44700.3	44526.7	44010.7	43337.8	41796.7	39626.8	37193.6	34585.1
15°	50130.0	51092.3	51770.0	52010.4	51770.0	51092.3	50130.0	48320.7	45640.7	42779.0	39556.7
12.5°	55004.3	56256.8	57051.6	57290.3	57051.6	56256.8	55004.3	52885.2	50370.7	47008.9	43590.2
10°	57684.7	59263.4	60168.2	60545.5	60168.2	59263.4	57684.7	55799.9	53098.4	49853.2	46020.0
7.5°	59182.2	60608.2	61463.1	61589.6	61463.1	60608.2	59182.2	56973.2	54492.2	51150.2	47291.7
5°	59668.2	60963.7	61669.3	61734.5	61669.3	60963.7	59668.2	57535.7	54954.4	51658.1	47618.1
2.5°	59881.2	60975.9	61496.3	61363.2	61496.3	60975.9	59881.2	57828.7	55316.1	52136.3	48229.4
0°	59772.1	60750.7	61302.9	61385.4	61302.9	60750.7	59772.1	58074.2	55531.0	52433.5	48453.7
-2.5°	58884.5	59613.2	60004.8	59753.1	60004.8	59613.2	58884.5	57341.2	54875.6	51738.1	47968.4
-5°	56860.8	57385.0	57548.6	57640.5	57548.6	57385.0	56860.8	55601.3	53333.3	50196.5	46653.0
-7.5°	53935.8	54363.6	54525.1	54411.8	54525.1	54363.6	53935.8	52641.3	50481.0	47711.6	44184.6
-10°	50080.4	50472.5	50609.5	50531.4	50609.5	50472.5	50080.4	48932.2	46852.7	44252.3	41144.6
-12.5°	46177.8	46642.5	46749.1	46755.8	46749.1	46642.5	46177.8	45048.9	43165.1	40825.8	37959.5
-15°	42341.4	42872.6	43035.0	43176.9	43035.0	42872.6	42341.4	41255.9	39595.0	37416.1	34834.7
-17.5°	38571.7	39099.4	39236.4	39051.1	39236.4	39099.4	38571.7	37530.3	36063.1	34106.4	31750.8
-20°	35473.1	35746.6	36038.5	36036.1	36038.5	35746.6	35473.1	34651.4	33192.5	31410.9	29317.6



REPORT NUMBER: P731614 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	32913.8	33366.1	33614.7	33791.3	33614.7	33366.1	32913.8	32228.3	30840.6	29148.3	27253.7
-25°	30513.5	30897.6	31052.1	31169.8	31052.1	30897.6	30513.5	29787.5	28600.3	27067.6	25270.4
-27.5°	28664.5	29054.3	29274.8	29405.3	29274.8	29054.3	28664.5	27933.9	26898.0	25424.3	23807.0
-30°	27189.8	27572.8	27835.5	28000.4	27835.5	27572.8	27189.8	26378.5	25382.9	24046.6	22562.7
-32.5°	25600.9	26001.4	26275.1	26445.3	26275.1	26001.4	25600.9	24828.2	23853.3	22684.1	21309.4
-35°	23949.7	24350.3	24645.8	24784.4	24645.8	24350.3	23949.7	23285.1	22333.5	21266.0	20036.0
-37.5°	22345.6	22719.6	22980.7	23083.3	22980.7	22719.6	22345.6	21770.9	20863.5	19897.3	18767.5
-40°	20673.4	21026.3	21268.8	21363.1	21268.8	21026.3	20673.4	20206.6	19361.0	18447.1	17455.4
-42.5°	18987.2	19316.4	19540.4	19634.5	19540.4	19316.4	18987.2	18582.2	17832.7	16999.1	16115.4
-45°	17279.2	17572.0	17761.6	17834.0	17761.6	17572.0	17279.2	16916.1	16283.0	15506.3	14678.9
-47.5°	15598.0	15862.1	16025.1	16077.9	16025.1	15862.1	15598.0	15273.8	14750.8	14056.7	13325.9
-50°	13957.0	14173.3	14322.4	14406.4	14322.4	14173.3	13957.0	13684.9	13276.0	12685.6	12073.4
-52.5°	12439.0	12635.5	12752.5	12798.4	12752.5	12635.5	12439.0	12195.9	11871.8	11365.8	10829.4
-55°	11016.4	11186.3	11285.8	11325.8	11285.8	11186.3	11016.4	10809.2	10559.2	10124.2	9661.2
-57.5°	9702.5	9841.8	9935.6	9988.6	9935.6	9841.8	9702.5	9531.3	9329.7	8955.9	8539.0
-60°	8456.9	8571.0	8649.8	8695.9	8649.8	8571.0	8456.9	8312.7	8139.3	7828.8	7471.9
-62.5°	7254.4	7351.4	7415.2	7451.8	7415.2	7351.4	7254.4	7132.3	6985.3	6745.6	6451.6
-65°	6167.3	6252.3	6293.4	6309.3	6293.4	6252.3	6167.3	6062.7	5938.8	5751.1	5509.6
-67.5°	5205.5	5282.0	5309.8	5314.9	5309.8	5282.0	5205.5	5113.1	5005.4	4853.6	4653.2
-70°	4287.3	4349.7	4370.7	4373.3	4370.7	4349.7	4287.3	4212.3	4125.7	4010.1	3851.0
-72.5°	3409.9	3449.2	3479.6	3499.5	3479.6	3449.2	3409.9	3359.8	3299.1	3216.3	3093.6
-75°	2631.3	2664.9	2679.5	2684.9	2679.5	2664.9	2631.3	2589.4	2539.4	2476.6	2387.4
-77.5°	1916.3	1941.9	1947.7	1946.5	1947.7	1941.9	1916.3	1884.9	1848.2	1804.6	1744.9
-80°	1283.7	1295.6	1303.4	1307.6	1303.4	1295.6	1283.7	1267.7	1247.4	1221.9	1184.8
-82.5°	786.5	801.0	786.0	768.0	786.0	801.0	786.5	769.9	751.4	731.5	714.6
-85°	367.9	368.6	369.9	370.3	369.9	368.6	367.9	366.3	363.7	360.1	353.6
-87.5°	137.6	139.2	138.4	137.5	138.4	139.2	137.6	135.8	133.8	131.6	129.3
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	24.4	23.8	23.3	22.8	22.3	21.7	21.2	20.1	19.1	18.0	16.9
87.5°	13.2	10.6	8.1	9.0	9.9	10.7	11.5	11.0	10.4	9.9	9.4
85°	29.5	26.7	24.0	23.9	23.8	23.6	23.5	23.0	22.3	21.4	20.3
82.5°	35.3	36.2	36.9	39.8	42.1	43.6	44.3	44.1	43.2	41.6	39.2
80°	44.4	47.3	50.4	56.6	62.1	66.7	70.2	71.8	72.6	72.4	70.0
77.5°	52.0	57.1	62.7	71.7	80.1	87.9	94.5	98.2	100.1	101.0	98.1
75°	51.9	58.8	67.6	80.1	92.0	103.1	111.5	117.3	122.0	125.6	122.4
72.5°	45.0	51.5	62.1	78.0	94.7	108.9	120.4	130.0	138.4	145.7	140.7
70°	35.8	40.3	49.8	63.9	79.3	95.7	113.2	130.6	147.7	158.9	150.9
67.5°	28.2	30.9	38.6	49.9	63.1	78.0	95.6	115.7	135.1	153.3	149.6
65°	24.0	24.9	29.6	37.7	47.7	59.8	74.7	92.2	112.9	133.6	134.4
62.5°	22.6	23.3	26.1	30.4	36.2	43.8	55.1	70.5	88.3	102.5	107.6
60°	22.9	23.7	25.5	27.7	30.1	34.0	42.8	53.3	65.4	77.4	83.6
57.5°	25.3	25.7	26.6	27.8	29.2	32.8	37.3	42.2	52.1	59.1	64.4
55°	27.2	27.8	28.5	29.0	29.8	32.9	36.4	40.6	45.0	47.2	53.7
52.5°	29.4	31.2	32.0	31.5	32.6	34.9	36.5	40.0	43.7	46.3	47.9
50°	41.6	43.8	42.2	38.6	42.1	41.6	41.2	42.1	46.4	48.7	48.6
47.5°	74.6	75.1	68.1	63.4	67.4	62.3	58.4	55.0	61.7	55.5	54.8
45°	140.4	137.2	120.8	122.5	118.0	110.0	93.2	102.0	94.3	84.5	64.9
42.5°	246.0	241.0	224.0	233.6	216.9	195.9	186.6	196.1	164.3	133.4	140.6
40°	446.5	389.5	422.4	437.4	394.4	332.2	417.8	359.0	305.9	220.0	289.5
37.5°	932.0	759.7	914.1	918.6	795.9	732.1	824.8	743.5	519.2	549.1	558.8
35°	2000.1	1904.6	1870.0	1803.5	1574.2	1650.6	1479.2	1308.6	1123.8	1062.8	961.8
32.5°	3621.9	3723.5	3483.6	3189.3	3161.3	3004.2	2648.7	2133.5	2135.6	1925.4	1573.3
30°	6439.5	6303.2	5873.3	5384.9	5375.0	4973.9	4181.6	3837.1	3519.0	3041.7	2370.6
27.5°	10675.7	9732.5	9054.7	8674.1	8110.5	7450.1	6671.6	5866.3	5186.8	4459.4	3556.3
25°	15669.3	14495.2	13281.2	12475.8	11495.0	10452.3	9485.2	8355.8	7219.1	6078.2	4933.8
22.5°	21026.2	19600.2	18119.1	16621.2	15154.1	13816.2	12533.2	11035.4	9302.1	7700.4	6376.9
20°	26528.5	24580.6	22794.5	20716.4	18728.0	17099.6	15649.4	13586.7	11272.6	9325.8	7782.2
17.5°	31756.9	29273.7	26757.6	24176.8	22025.8	20261.6	18017.4	15605.7	13112.8	10854.5	9124.7
15°	36462.0	33046.2	30050.3	27331.7	24735.2	22178.4	19825.8	17440.7	14833.1	12390.7	10350.8
12.5°	39719.9	36140.1	32923.6	29494.4	26466.3	23790.4	21402.1	19010.6	16273.1	13408.3	11035.2
10°	42107.8	38228.1	34472.8	30975.9	27931.4	25218.6	22565.4	19847.3	16888.4	14018.1	11603.7
7.5°	43207.1	39331.5	35637.7	32042.5	28863.2	26024.9	23207.2	20377.7	17328.3	14440.6	12060.5
5°	43719.5	40006.8	36337.6	32591.7	29399.7	26594.1	23729.5	20780.5	17596.3	14694.9	12410.5
2.5°	44188.2	40370.9	36685.4	32825.0	29717.1	26980.4	24185.5	21187.3	17929.5	14959.9	12634.4
0°	44499.3	40743.8	37013.6	32976.7	29896.1	27219.6	24581.3	21549.3	18219.1	15144.8	12768.8
-2.5°	43964.0	40187.2	36518.0	32668.1	29519.1	26881.9	24294.9	21399.3	18162.9	15144.7	12774.2
-5°	42795.8	39069.3	35475.3	31800.4	28659.1	26040.4	23548.4	20843.2	17833.6	14979.7	12697.6
-7.5°	40609.1	37278.7	34016.7	30597.0	27505.0	24896.4	22456.9	19884.2	17109.2	14434.9	12245.2
-10°	37820.8	34760.7	31713.9	28685.9	25966.5	23565.5	21243.7	18836.8	16269.2	13782.4	11719.7
-12.5°	35048.2	32130.1	29228.2	26448.3	24076.4	21865.7	19803.3	17685.6	15329.9	13025.5	11129.1
-15°	32054.4	29422.2	26861.5	24384.6	22090.3	20071.3	18247.5	16356.9	14266.9	12205.6	10479.2
-17.5°	29451.6	26833.7	24485.6	22483.9	20398.0	18345.9	16712.7	15056.7	13274.2	11494.2	9922.3
-20°	27149.9	24930.2	22647.3	20735.3	18953.0	17168.7	15411.6	13838.4	12353.4	10848.2	9441.1



REPORT NUMBER: P731614 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25282.9	23273.9	21259.4	19315.6	17629.8	16107.2	14563.4	12999.4	11493.5	10186.4	8975.6
-25°	23623.3	21726.4	19959.3	18317.9	16606.3	15098.5	13792.2	12406.5	10970.1	9601.3	8545.7
-27.5°	22234.9	20507.2	18914.4	17429.9	15890.4	14410.7	13117.9	11836.0	10503.0	9273.3	8189.5
-30°	21043.2	19541.6	18068.0	16669.9	15261.6	13870.1	12530.9	11314.5	10077.8	8918.4	7893.0
-32.5°	19912.5	18519.5	17177.2	15902.5	14591.9	13287.0	12030.5	10787.1	9597.5	8558.6	7607.3
-35°	18728.2	17435.4	16234.8	15054.1	13877.1	12664.6	11461.7	10243.5	9134.4	8159.7	7276.7
-37.5°	17566.0	16368.6	15258.4	14163.9	13092.5	11985.9	10827.0	9716.7	8667.6	7738.9	6902.9
-40°	16379.6	15296.6	14257.0	13253.6	12253.5	11251.2	10195.2	9164.1	8202.8	7276.6	6491.8
-42.5°	15137.1	14169.6	13232.0	12306.4	11375.4	10463.1	9538.8	8607.7	7705.0	6843.4	6056.0
-45°	13853.1	13015.4	12173.7	11328.5	10475.7	9669.8	8876.5	8024.1	7185.8	6384.2	5606.4
-47.5°	12611.0	11878.7	11110.4	10353.0	9619.8	8888.2	8172.3	7415.4	6646.6	5895.9	5204.9
-50°	11444.2	10777.0	10101.2	9431.7	8785.7	8124.3	7461.6	6795.8	6088.3	5417.6	4786.8
-52.5°	10271.2	9705.9	9129.9	8548.9	7964.7	7358.7	6745.8	6152.7	5528.4	4940.7	4382.4
-55°	9172.9	8674.3	8168.4	7655.7	7145.5	6612.6	6066.0	5526.9	5001.8	4469.0	3989.1
-57.5°	8095.3	7654.7	7237.8	6808.6	6369.3	5902.7	5426.6	4945.2	4481.8	4026.4	3592.7
-60°	7105.5	6734.3	6368.2	6000.2	5633.0	5232.5	4803.7	4381.2	3967.0	3588.5	3220.4
-62.5°	6142.6	5820.6	5518.2	5214.2	4898.3	4557.4	4191.0	3847.5	3501.9	3162.1	2863.8
-65°	5254.5	4987.0	4721.1	4471.4	4219.8	3964.7	3654.2	3350.4	3059.4	2779.4	2518.5
-67.5°	4444.5	4229.2	4017.8	3808.8	3600.0	3387.6	3132.3	2874.3	2635.4	2408.5	2186.8
-70°	3684.4	3511.3	3338.5	3165.3	2995.4	2829.0	2636.1	2432.6	2234.1	2041.1	1847.8
-72.5°	2964.8	2830.7	2696.9	2566.7	2434.8	2305.3	2156.1	1989.5	1824.5	1662.0	1505.1
-75°	2293.2	2194.5	2094.9	1997.9	1897.2	1793.4	1685.2	1561.0	1436.1	1310.8	1186.6
-77.5°	1681.1	1613.5	1544.3	1479.7	1413.3	1345.6	1268.7	1169.8	1076.2	983.9	893.9
-80°	1145.1	1103.2	1060.3	1022.3	981.6	938.3	888.8	818.4	748.5	683.8	625.1
-82.5°	695.7	674.8	652.4	630.6	606.7	580.7	551.5	510.6	470.2	430.6	392.1
-85°	346.2	338.0	328.8	319.4	309.2	298.1	286.1	268.7	250.7	232.0	212.9
-87.5°	126.7	124.0	121.1	118.9	116.6	114.0	111.3	104.8	98.4	92.1	85.7
-90°	4.2	4.2	4.2	4.7	5.3	5.8	6.3	6.3	6.3	6.3	6.3



REPORT NUMBER: P731614 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	16.4	15.9	15.3	14.8	14.8	14.8	14.8	14.8	14.3	13.8	13.2
87.5°	11.0	12.5	13.8	14.8	14.0	13.2	12.4	11.7	12.1	12.5	12.7
85°	20.7	21.4	22.3	23.4	22.0	20.1	18.5	17.1	17.4	17.5	17.5
82.5°	35.4	33.6	32.6	32.0	31.7	30.7	28.9	26.3	23.8	22.7	22.3
80°	62.8	56.2	50.2	45.2	42.4	41.5	40.3	37.5	31.8	27.9	25.8
77.5°	88.1	78.8	70.5	62.2	54.8	49.8	47.3	46.0	39.4	32.8	28.5
75°	111.1	99.1	87.8	76.8	66.1	57.4	51.4	47.4	42.3	37.1	31.0
72.5°	126.5	113.6	102.0	90.0	76.1	64.5	55.3	48.7	43.4	38.2	32.9
70°	137.3	124.7	111.5	97.8	84.0	70.8	59.2	51.3	44.6	39.1	33.7
67.5°	143.8	129.7	116.7	104.2	90.1	76.0	62.6	54.0	47.0	40.0	34.5
65°	129.4	124.8	119.5	106.2	93.6	80.8	66.5	57.0	49.4	42.1	35.2
62.5°	110.7	110.7	107.6	104.3	94.5	82.2	70.5	60.8	51.8	44.1	36.6
60°	87.6	91.6	94.7	93.8	90.5	82.1	71.9	64.2	54.6	46.0	38.2
57.5°	70.7	73.5	79.5	83.1	82.1	78.3	72.8	65.9	57.2	48.0	39.9
55°	57.8	62.8	67.7	72.0	74.0	71.7	72.4	66.9	59.2	49.8	41.7
52.5°	51.3	56.1	61.1	64.0	66.2	67.3	70.5	68.0	60.3	51.4	43.8
50°	49.3	54.5	58.1	60.4	60.6	65.6	69.9	68.3	61.4	52.7	46.1
47.5°	56.7	61.1	59.7	59.5	59.3	65.7	70.7	69.5	62.5	53.7	48.6
45°	84.4	77.4	69.4	63.5	63.7	70.4	73.1	71.7	64.8	56.8	51.3
42.5°	133.7	120.1	91.9	69.5	81.5	78.1	76.9	75.3	67.7	60.3	54.3
40°	270.5	189.4	130.8	121.2	112.0	88.3	85.4	80.0	71.7	64.8	57.8
37.5°	461.3	334.2	212.0	216.5	166.9	125.7	95.9	85.9	78.7	70.6	61.4
35°	792.1	557.7	441.8	393.3	282.6	171.8	107.9	94.2	87.1	76.6	65.4
32.5°	1201.1	979.8	864.9	662.4	427.3	226.4	141.2	109.8	96.6	83.0	69.6
30°	1892.3	1709.3	1386.5	992.8	631.5	360.7	199.5	127.8	107.0	89.5	74.2
27.5°	2934.9	2569.6	2021.5	1470.1	946.6	523.8	285.7	147.9	118.2	97.0	79.5
25°	4070.1	3544.6	2848.4	2037.6	1301.6	783.1	391.1	172.2	133.3	106.1	84.9
22.5°	5324.2	4552.4	3761.1	2658.1	1695.5	1084.1	558.9	252.6	150.8	115.5	90.2
20°	6525.7	5578.2	4673.7	3145.0	2116.0	1434.5	792.6	342.8	169.2	125.1	95.6
17.5°	7692.7	6420.4	5167.1	3675.5	2528.5	1765.3	1045.3	440.4	188.2	134.9	100.8
15°	8488.4	6982.9	5628.9	4149.1	2896.9	2076.4	1311.0	543.1	207.4	144.7	108.8
12.5°	9098.2	7492.7	6069.8	4566.4	3223.4	2367.7	1583.4	648.3	226.6	159.8	120.4
10°	9621.9	7948.4	6483.4	4927.9	3510.3	2639.1	1855.9	747.5	256.3	179.4	131.9
7.5°	10061.5	8349.2	6862.7	5234.9	3744.9	2818.2	2022.9	828.1	287.1	198.8	143.4
5°	10404.5	8646.1	7162.6	5444.1	3866.8	2898.7	2149.2	898.5	316.9	217.9	154.5
2.5°	10608.7	8807.5	7389.2	5599.6	3964.1	2958.0	2247.5	957.8	345.5	236.4	165.3
0°	10741.9	8911.7	7559.7	5706.3	4034.8	2998.1	2316.8	1005.0	372.4	253.9	175.6
-2.5°	10792.6	8927.2	7584.3	5842.3	4178.5	3122.0	2384.2	1136.2	498.1	340.1	230.9
-5°	10764.6	8895.3	7559.2	5928.0	4292.0	3225.2	2426.5	1254.5	619.8	423.7	284.7
-7.5°	10428.1	8707.6	7428.6	5940.9	4373.9	3304.2	2448.4	1359.9	735.8	503.6	336.3
-10°	9978.9	8405.9	7157.4	5762.1	4365.2	3351.7	2460.1	1452.5	844.2	578.4	384.9
-12.5°	9480.6	8064.9	6862.9	5566.8	4325.7	3377.5	2492.4	1538.9	943.4	647.0	429.7
-15°	8941.3	7687.1	6553.4	5365.4	4270.7	3390.5	2509.9	1612.9	1032.9	712.0	470.1
-17.5°	8410.7	7275.4	6236.3	5166.9	4203.7	3392.9	2514.8	1670.1	1112.1	774.7	513.2
-20°	8122.3	6976.2	5924.6	4980.1	4127.9	3386.6	2509.3	1709.9	1180.0	830.0	557.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7834.5	6780.2	5774.9	4847.6	4063.9	3373.3	2495.5	1731.9	1235.7	877.3	595.7
-25°	7531.9	6574.1	5630.0	4753.8	4021.1	3324.8	2488.5	1735.7	1278.4	916.0	627.9
-27.5°	7264.2	6365.9	5462.4	4623.8	3937.1	3273.7	2477.6	1776.8	1312.0	945.8	653.6
-30°	7013.3	6155.5	5285.1	4471.4	3822.9	3150.0	2444.9	1802.8	1342.0	971.3	672.4
-32.5°	6754.3	5924.9	5071.6	4322.6	3671.1	3009.5	2352.9	1810.7	1359.8	990.4	688.5
-35°	6452.2	5645.2	4822.3	4138.0	3500.9	2864.7	2250.0	1800.1	1365.2	999.8	698.7
-37.5°	6109.3	5318.0	4586.8	3930.0	3318.6	2709.0	2175.1	1746.8	1358.0	999.4	701.4
-40°	5730.1	4990.8	4316.7	3718.8	3133.7	2543.2	2085.8	1690.7	1345.4	989.2	696.6
-42.5°	5331.3	4671.5	4058.7	3494.9	2942.0	2427.7	1986.0	1624.0	1299.6	973.5	684.2
-45°	4958.4	4346.5	3791.4	3267.6	2750.1	2298.0	1899.9	1548.7	1241.9	950.2	667.2
-47.5°	4573.8	4032.6	3520.7	3027.3	2587.7	2162.5	1801.9	1473.8	1176.2	916.3	647.5
-50°	4211.0	3716.9	3248.4	2811.1	2402.3	2039.6	1695.9	1389.4	1110.4	859.6	621.4
-52.5°	3869.6	3411.9	2990.9	2593.8	2237.9	1904.1	1589.3	1296.9	1037.2	804.4	589.0
-55°	3530.6	3121.4	2739.4	2393.1	2070.3	1766.5	1472.5	1203.8	956.9	746.6	551.3
-57.5°	3204.4	2833.6	2508.8	2197.5	1898.6	1618.4	1352.5	1102.6	878.8	683.2	514.8
-60°	2876.4	2576.0	2283.4	1994.1	1719.2	1465.3	1227.2	997.7	796.8	616.9	469.0
-62.5°	2579.2	2309.8	2045.0	1780.3	1536.6	1309.5	1095.7	893.8	708.8	555.0	418.1
-65°	2274.7	2033.1	1795.3	1568.5	1351.7	1149.6	965.5	783.2	627.3	489.4	367.9
-67.5°	1966.4	1755.6	1553.7	1352.3	1168.3	994.4	828.1	680.0	544.5	420.2	324.6
-70°	1658.6	1476.4	1311.0	1148.5	987.9	836.4	704.5	577.9	457.8	363.9	279.2
-72.5°	1357.5	1215.3	1079.1	942.6	814.3	693.2	579.8	476.1	387.2	305.7	231.8
-75°	1066.6	959.9	857.4	753.1	646.1	546.9	466.5	390.1	314.5	245.4	190.7
-77.5°	807.9	723.5	641.1	568.6	494.9	425.9	361.9	301.4	243.4	194.4	151.0
-80°	569.1	514.3	461.0	408.3	353.4	302.5	261.9	222.6	180.8	143.3	110.2
-82.5°	353.9	322.8	293.7	264.3	232.7	202.4	173.6	146.0	117.0	91.2	75.8
-85°	194.2	175.5	156.8	138.1	119.3	101.4	92.8	84.3	74.0	64.3	55.1
-87.5°	81.1	76.4	71.7	67.0	62.5	58.2	53.9	49.6	44.2	39.1	34.2
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.9	7.4	8.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.7	12.2	11.7	11.1	10.6	9.6	8.5
87.5°	12.9	12.2	11.7	11.4	11.3	9.9	8.5
85°	17.2	15.4	13.9	12.8	12.1	10.2	8.5
82.5°	21.5	18.6	16.1	14.2	12.8	10.5	8.5
80°	25.4	21.7	18.2	15.5	13.5	10.8	8.5
77.5°	26.3	23.8	20.3	16.8	14.2	11.1	8.5
75°	27.2	24.2	22.0	18.1	14.8	11.4	8.5
72.5°	27.9	24.6	22.1	19.4	15.5	11.7	8.5
70°	28.6	24.8	22.1	20.3	16.1	12.0	8.5
67.5°	29.5	25.0	22.0	20.1	16.7	12.3	8.5
65°	30.4	25.6	21.9	19.9	17.3	12.5	8.5
62.5°	31.2	26.4	21.8	19.7	17.9	12.8	8.5
60°	32.1	27.3	21.6	19.4	18.4	13.0	8.5
57.5°	33.7	28.1	22.3	19.1	18.3	13.2	8.5
55°	35.4	29.0	23.0	18.8	18.1	13.5	8.5
52.5°	37.0	29.9	23.8	18.4	18.0	13.7	8.5
50°	38.6	31.2	24.5	18.0	17.8	13.9	8.5
47.5°	40.3	32.5	25.2	17.8	17.7	14.1	8.5
45°	42.6	33.8	25.8	18.3	17.7	14.2	8.5
42.5°	45.1	35.0	26.5	18.8	17.6	14.4	8.5
40°	47.7	36.2	27.2	19.6	17.6	14.5	8.5
37.5°	50.3	37.2	28.1	20.6	17.6	14.6	8.5
35°	53.0	39.0	28.9	21.6	17.6	14.8	8.5
32.5°	56.0	41.0	29.6	22.6	17.6	14.9	8.5
30°	59.2	43.1	30.3	23.7	17.7	14.9	8.5
27.5°	62.6	45.1	32.5	24.8	17.7	15.0	8.5
25°	66.0	47.1	34.9	26.0	17.8	15.1	8.5
22.5°	69.3	50.0	37.5	27.1	17.9	15.1	8.5
20°	72.7	55.4	40.2	28.2	18.0	15.1	8.5
17.5°	78.9	60.9	42.9	29.4	18.2	15.1	8.5
15°	86.9	66.4	45.7	30.5	18.3	15.1	8.5
12.5°	94.8	71.9	48.5	31.5	18.4	15.1	8.5
10°	102.5	77.3	51.3	32.5	18.5	15.1	8.5
7.5°	110.1	82.6	54.0	33.5	18.7	15.0	8.5
5°	117.4	87.8	56.6	34.4	18.8	15.0	8.5
2.5°	124.5	92.7	59.1	35.3	18.9	14.9	8.5
0°	131.2	97.3	61.4	36.0	19.0	14.8	8.5
-2.5°	164.1	116.3	71.4	40.4	20.5	15.1	8.5
-5°	196.2	134.8	81.0	44.7	21.9	15.3	8.5
-7.5°	227.0	152.4	90.2	48.7	23.3	15.6	8.5
-10°	256.2	169.0	98.9	52.5	24.7	15.8	8.5
-12.5°	283.4	184.4	106.9	56.1	25.9	16.0	8.5
-15°	308.2	198.3	114.2	59.3	27.1	16.2	8.5
-17.5°	330.3	210.6	120.7	62.2	28.2	16.3	8.5
-20°	354.4	221.0	126.2	64.6	29.2	16.5	8.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	383.1	229.5	130.7	66.7	30.1	16.6	8.5
-25°	407.7	242.5	134.1	68.2	30.9	16.7	8.5
-27.5°	427.6	255.5	136.4	69.3	31.5	16.7	8.5
-30°	442.8	265.7	138.0	69.8	32.0	16.8	8.5
-32.5°	452.8	272.8	143.2	69.9	32.3	16.8	8.5
-35°	460.1	276.8	146.6	69.3	32.5	16.8	8.5
-37.5°	463.5	278.7	148.1	68.2	32.6	16.7	8.5
-40°	462.1	279.7	147.8	66.5	32.5	16.6	8.5
-42.5°	455.9	277.7	147.0	65.0	32.2	16.5	8.5
-45°	444.9	272.6	146.1	64.2	31.7	16.3	8.5
-47.5°	429.0	264.5	143.6	62.5	31.1	16.2	8.5
-50°	413.3	253.3	139.5	62.0	30.4	16.0	8.5
-52.5°	394.1	239.3	133.9	61.3	29.4	15.7	8.5
-55°	370.8	227.4	126.8	60.0	28.4	15.5	8.5
-57.5°	343.4	214.2	118.2	58.0	27.1	15.2	8.5
-60°	313.3	198.8	108.5	55.3	25.8	14.9	8.5
-62.5°	288.2	181.3	101.7	52.1	24.9	14.5	8.5
-65°	260.3	161.9	93.9	48.2	23.8	14.1	8.5
-67.5°	229.7	143.9	85.0	43.9	22.7	13.8	8.5
-70°	196.8	127.6	75.3	39.0	21.6	13.3	8.5
-72.5°	169.3	110.0	64.7	35.7	20.4	12.9	8.5
-75°	141.2	91.2	53.4	32.6	19.1	12.5	8.5
-77.5°	111.7	71.4	46.2	29.4	17.7	12.0	8.5
-80°	81.0	57.4	39.6	25.9	16.4	11.5	8.5
-82.5°	63.0	46.4	32.8	22.3	15.0	11.0	8.5
-85°	46.5	35.2	25.9	18.7	13.5	10.6	8.5
-87.5°	29.7	23.7	18.8	14.9	12.1	10.1	8.5
-90°	8.5	9.0	9.6	10.1	10.6	9.6	8.5

(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

