

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: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-7F-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-7F-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

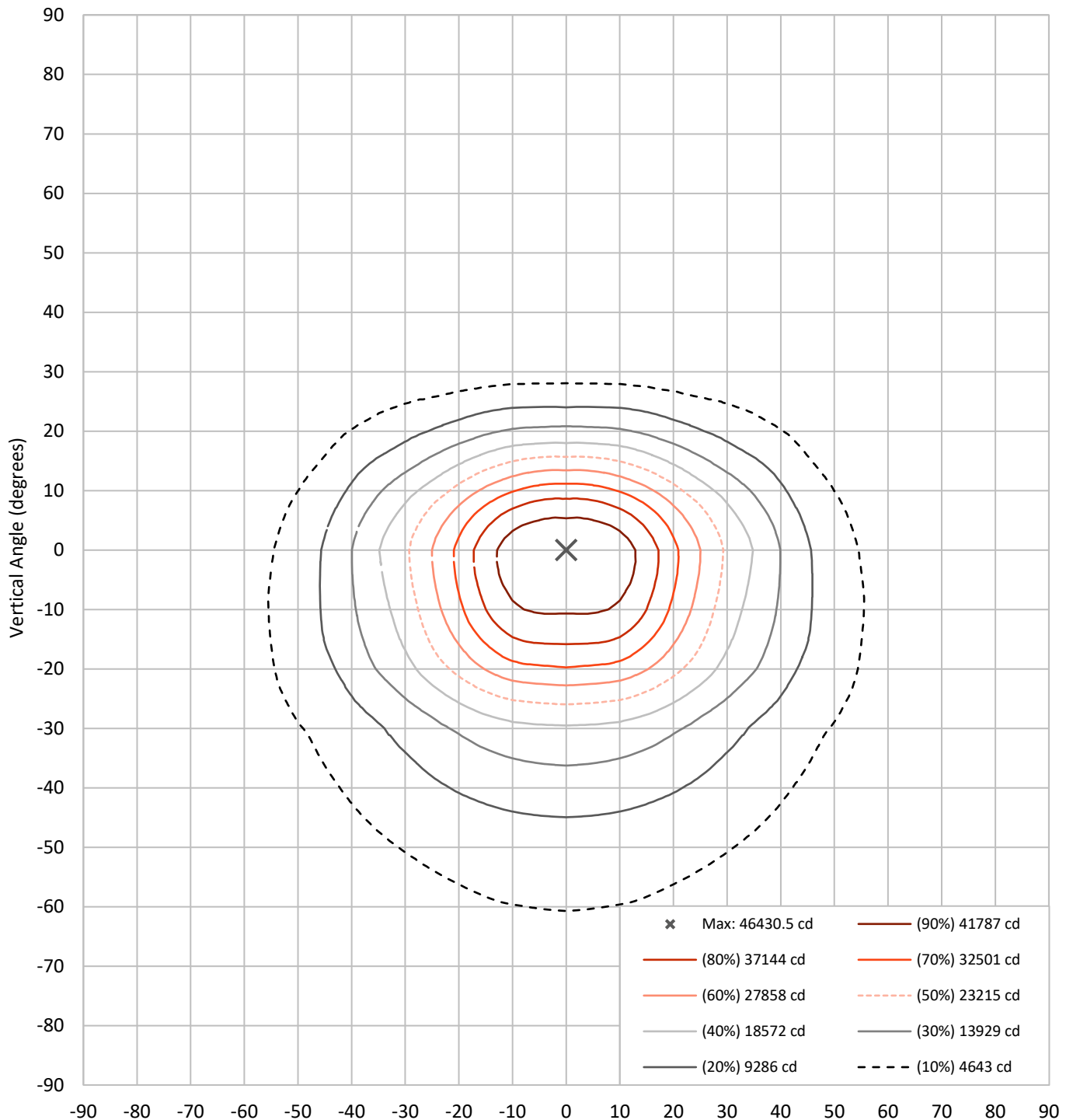
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	40621.2 lumens	Max Intensity:	46430.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	72.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	19692.8 lumens	Field Lumens:	36893.7 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 559.9
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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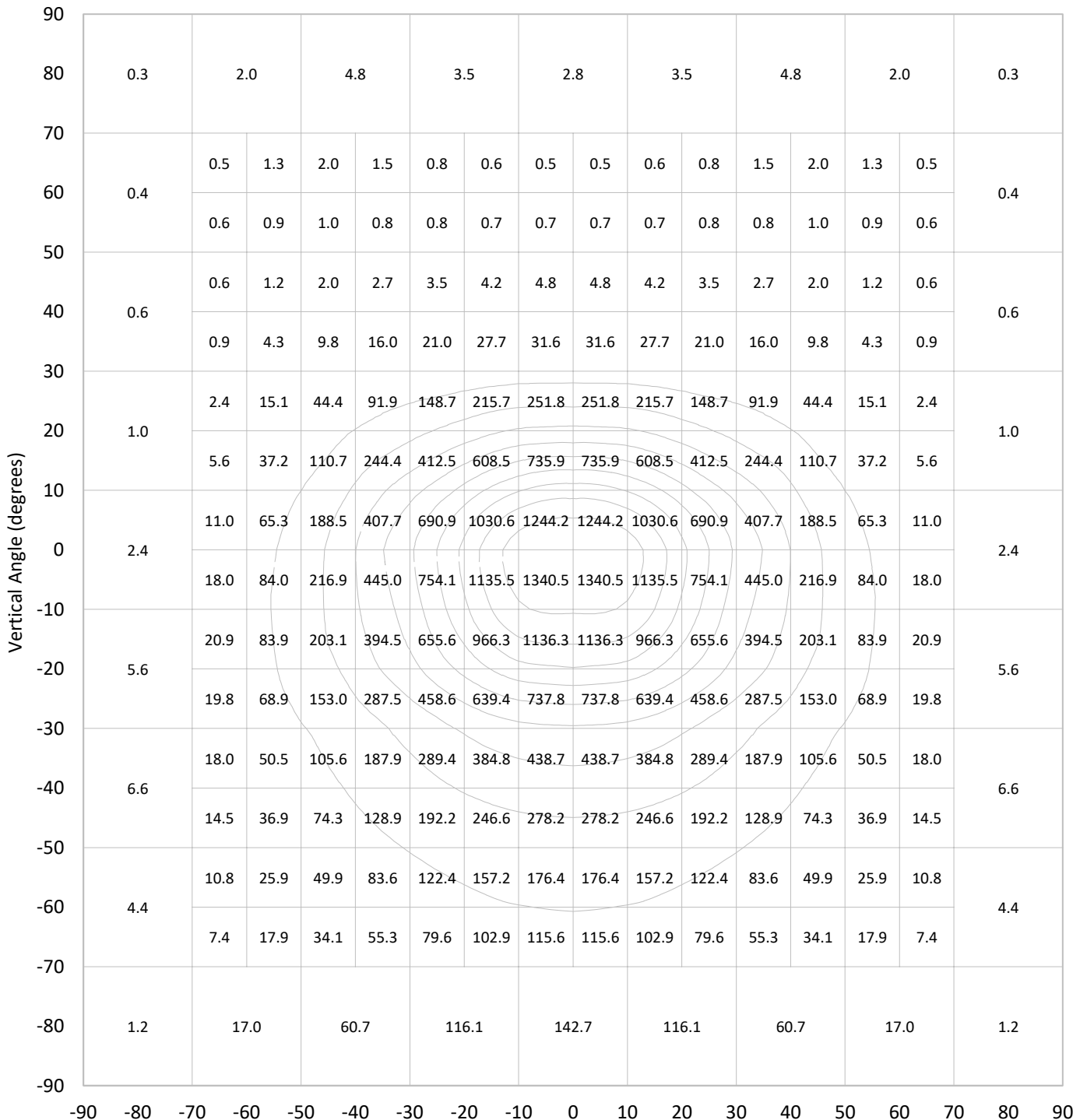
Iso-Candela Plot





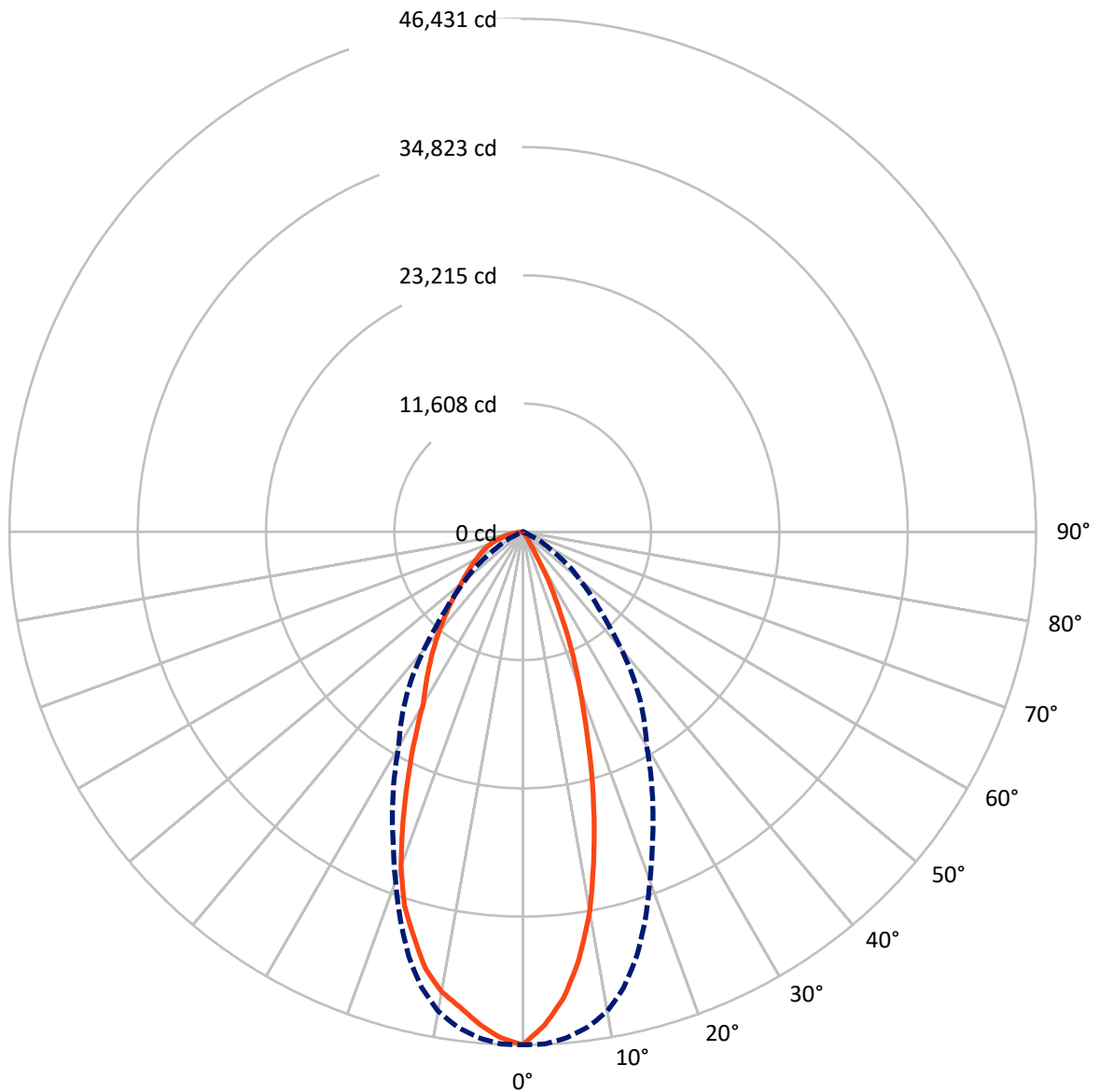
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Lumen Table



REPORT NUMBER: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)
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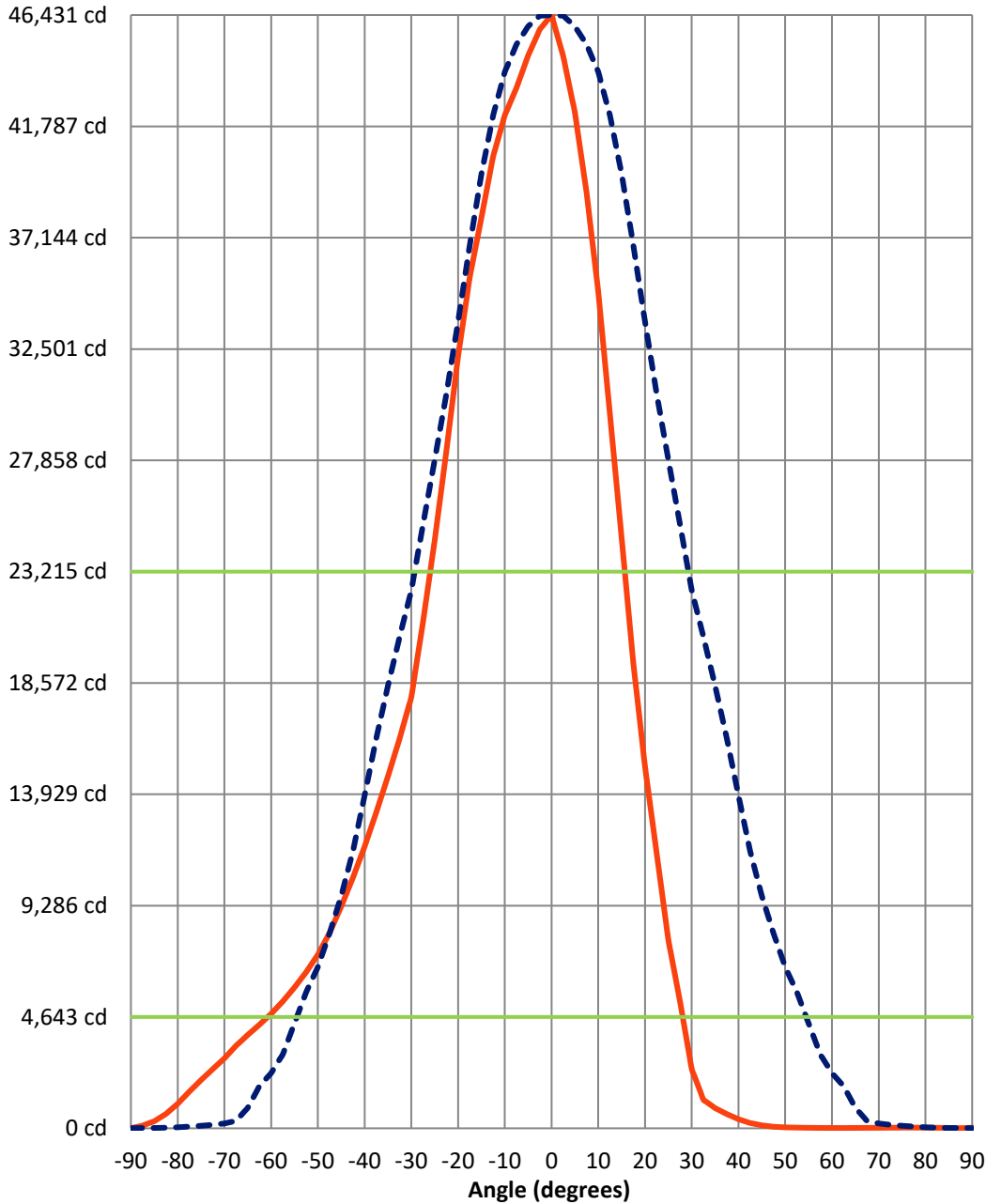
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 41.6°
 Lumens: 19692.8
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 36893.7
 Efficiency: 90.8%

Spill:
 Lumens: 3727.6
 Efficiency: 9.2%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.5	7.4	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.4
87.5°	6.5	6.7	7.1	7.5	8.1	8.7	9.4	9.7	9.9	9.9	10.0
85°	6.5	7.0	7.6	8.5	9.6	10.9	12.4	12.9	13.2	13.4	13.4
82.5°	6.5	7.2	8.2	9.5	11.1	13.1	15.3	16.1	16.6	17.7	19.8
80°	6.5	7.5	8.7	10.5	12.6	15.2	17.8	18.3	20.0	23.2	27.7
77.5°	6.5	7.7	9.3	11.4	14.1	16.6	18.2	19.9	23.3	28.4	33.8
75°	6.5	8.0	9.8	12.4	15.3	16.7	18.5	21.3	26.1	30.4	34.8
72.5°	6.5	8.2	10.4	13.3	15.2	16.7	18.7	22.4	26.8	31.3	35.7
70°	6.5	8.4	10.9	14.0	15.1	16.8	19.0	23.0	27.5	32.1	37.1
67.5°	6.5	8.7	11.4	13.8	15.0	16.7	19.6	23.5	28.1	33.3	38.6
65°	6.5	8.9	11.9	13.6	14.8	17.0	20.2	23.9	29.2	34.5	40.4
62.5°	6.5	9.1	12.3	13.4	14.6	17.6	20.9	24.7	30.2	35.9	43.4
60°	6.5	9.3	12.8	13.2	14.4	18.1	21.5	25.4	31.1	38.4	46.2
57.5°	6.5	9.5	12.7	12.9	14.8	18.6	22.4	26.3	32.7	40.6	47.5
55°	6.5	9.7	12.6	12.7	15.3	19.2	23.5	27.4	34.5	42.4	48.3
52.5°	6.5	9.9	12.5	12.4	15.7	19.7	24.5	29.3	36.1	43.2	49.1
50°	6.5	10.0	12.5	12.1	16.1	20.6	25.6	31.2	37.3	44.1	47.8
47.5°	6.5	10.2	12.5	12.0	16.5	21.5	26.7	33.2	38.2	44.9	46.3
45°	6.5	10.4	12.5	12.2	16.9	22.4	28.4	35.1	40.2	43.9	45.1
42.5°	6.5	10.5	12.5	12.5	17.2	23.3	30.1	37.1	42.5	43.1	43.8
40°	6.5	10.6	12.5	13.0	17.7	24.2	31.7	39.3	44.8	42.6	42.9
37.5°	6.5	10.8	12.6	13.7	18.3	25.0	33.3	41.7	46.7	45.2	42.4
35°	6.5	10.9	12.6	14.4	19.0	26.1	34.8	44.3	49.3	48.8	45.5
32.5°	6.5	11.0	12.7	15.1	19.5	27.3	36.5	47.0	52.3	53.4	58.5
30°	6.5	11.1	12.8	15.9	20.1	28.5	38.6	49.7	55.9	59.0	71.8
27.5°	6.5	11.2	12.9	16.6	21.7	29.5	40.7	52.5	60.2	65.5	85.3
25°	6.5	11.2	13.1	17.4	23.5	30.5	42.8	55.6	65.4	75.5	100.4
22.5°	6.5	11.3	13.2	18.2	25.4	32.4	44.9	58.8	71.1	87.0	148.9
20°	6.5	11.4	13.4	18.9	27.3	36.4	47.0	62.3	77.2	98.5	200.3
17.5°	6.5	11.4	13.5	19.7	29.3	40.7	52.5	65.8	83.5	109.7	253.5
15°	6.5	11.4	13.7	20.5	31.3	45.2	60.1	73.1	90.1	120.8	307.6
12.5°	6.5	11.5	13.9	21.2	33.3	49.7	67.9	85.0	103.8	131.5	361.4
10°	6.5	11.5	14.1	22.0	35.2	54.3	75.8	97.2	123.4	163.8	432.3
7.5°	6.5	11.5	14.2	22.7	37.1	58.8	83.6	109.5	143.4	200.3	542.5
5°	6.5	11.5	14.4	23.3	39.0	63.3	91.3	121.6	163.3	237.4	652.2
2.5°	6.5	11.4	14.5	23.9	40.8	67.6	98.8	133.6	183.0	274.1	757.8
0°	6.5	11.4	14.7	24.5	42.4	71.7	106.0	145.1	202.1	309.7	855.9
-2.5°	6.5	11.6	15.8	28.1	50.6	87.1	133.5	190.5	273.6	425.2	1007.4
-5°	6.5	11.8	16.8	31.6	58.7	102.0	160.2	234.7	343.0	536.6	1145.7
-7.5°	6.5	12.0	17.8	35.0	66.3	116.2	185.7	277.0	409.5	641.7	1269.1
-10°	6.5	12.2	18.8	38.2	73.6	129.7	209.8	317.0	471.7	738.5	1375.6
-12.5°	6.5	12.3	19.7	41.2	80.4	142.2	232.0	353.9	528.9	821.6	1416.0
-15°	6.5	12.5	20.5	43.9	86.5	153.5	252.0	387.2	579.1	872.5	1422.2
-17.5°	6.5	12.6	21.3	46.3	92.0	163.6	269.5	418.9	622.2	916.0	1419.9
-20°	6.5	12.7	22.1	48.4	96.7	172.2	286.7	448.5	659.6	951.8	1410.1



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.5	12.8	22.7	50.1	100.6	179.3	304.9	473.7	690.7	979.5	1393.7
-25°	6.5	12.9	23.3	51.4	103.6	188.5	320.0	494.4	715.1	999.0	1371.6
-27.5°	6.5	12.9	23.7	52.4	105.6	197.3	331.8	510.1	732.6	1015.1	1385.5
-30°	6.5	12.9	24.1	52.8	107.0	203.9	340.1	520.7	747.2	1032.1	1391.1
-32.5°	6.5	12.9	24.3	52.9	110.3	208.2	344.8	528.9	757.4	1039.6	1386.2
-35°	6.5	12.9	24.5	52.4	112.3	210.2	348.5	532.9	760.5	1037.4	1370.8
-37.5°	6.5	12.9	24.5	51.5	112.9	210.7	349.9	531.7	756.3	1025.4	1303.9
-40°	6.5	12.8	24.5	50.1	112.2	210.8	347.6	525.2	744.8	1011.0	1236.8
-42.5°	6.5	12.7	24.3	48.7	111.2	208.7	341.7	513.5	730.0	962.3	1165.5
-45°	6.5	12.6	24.0	47.8	110.1	204.4	332.2	498.9	710.1	906.3	1091.9
-47.5°	6.5	12.5	23.6	46.3	107.9	198.0	319.1	482.7	682.9	847.7	1026.4
-50°	6.5	12.3	23.0	45.8	104.5	189.3	306.9	461.7	635.1	793.9	957.8
-52.5°	6.5	12.1	22.4	45.3	100.0	178.6	292.4	436.0	590.3	737.9	887.5
-55°	6.5	11.9	21.7	44.3	94.4	169.4	274.9	406.5	545.4	679.6	823.0
-57.5°	6.5	11.7	20.8	42.8	87.7	159.3	254.6	379.6	498.4	624.9	756.2
-60°	6.5	11.4	19.9	40.7	80.2	147.6	232.3	345.9	450.9	569.6	689.7
-62.5°	6.5	11.2	19.2	38.2	74.8	134.4	213.5	308.8	406.7	512.1	625.6
-65°	6.5	10.9	18.4	35.2	68.6	119.8	192.6	272.3	360.2	456.6	559.4
-67.5°	6.5	10.6	17.5	31.8	61.6	105.8	169.9	240.2	311.6	399.5	492.6
-70°	6.5	10.3	16.6	28.0	53.9	92.8	145.4	206.6	269.9	340.1	423.8
-72.5°	6.5	9.9	15.7	25.6	45.5	78.8	123.6	171.5	226.6	287.6	354.4
-75°	6.5	9.6	14.7	23.4	36.6	63.8	101.1	139.7	181.7	233.4	290.0
-77.5°	6.5	9.2	13.7	21.2	31.5	48.1	77.5	108.5	142.5	180.0	223.7
-80°	6.5	8.9	12.6	18.8	27.2	38.0	52.9	76.6	103.0	132.3	164.4
-82.5°	6.5	8.5	11.6	16.3	22.8	31.1	41.0	50.6	62.8	83.7	106.7
-85°	6.5	8.1	10.5	13.8	18.3	23.9	30.8	37.3	44.5	52.3	60.8
-87.5°	6.5	7.7	9.3	11.2	13.7	16.7	20.3	23.8	27.6	31.7	36.2
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.8	12.2	12.6	13.0	13.4	13.9	14.3	14.7	15.5	16.3	17.1
87.5°	10.5	11.0	11.5	12.1	11.1	9.9	8.6	7.2	7.6	8.0	8.5
85°	14.4	15.5	16.9	18.0	17.2	16.5	16.0	15.7	16.5	17.2	17.7
82.5°	21.8	23.2	24.1	24.6	25.1	25.9	27.3	30.2	32.0	33.0	33.5
80°	30.0	31.1	32.0	34.3	38.1	42.8	48.0	53.8	55.4	55.1	54.1
77.5°	35.0	37.1	40.9	46.5	52.9	59.5	66.7	74.6	76.6	75.7	74.1
75°	38.0	42.6	49.0	56.9	65.2	74.0	83.4	91.9	94.0	91.2	87.9
72.5°	40.7	47.3	55.8	66.1	75.8	84.8	94.3	104.2	108.0	103.4	97.4
70°	43.0	51.4	61.8	72.8	83.8	93.4	102.7	113.4	120.3	111.7	98.4
67.5°	45.0	55.6	66.9	78.3	87.7	97.2	108.4	113.0	115.6	101.8	87.5
65°	48.1	59.4	69.5	79.0	88.9	93.5	97.3	100.7	99.3	83.7	68.6
62.5°	51.1	60.3	69.7	77.4	80.5	83.3	82.8	79.5	74.4	64.7	53.0
60°	52.2	60.0	66.8	70.1	71.2	68.6	64.8	61.7	57.4	49.1	41.3
57.5°	52.8	57.4	61.2	62.1	59.2	55.1	53.6	49.3	46.2	40.9	33.9
55°	52.4	53.0	54.9	52.7	50.3	48.8	46.4	45.1	40.6	35.7	30.5
52.5°	50.1	49.4	47.7	46.7	47.4	47.0	46.2	43.9	39.9	34.9	32.0
50°	48.2	45.3	42.7	46.3	49.6	52.3	48.2	45.6	45.4	43.1	38.3
47.5°	45.7	41.9	44.2	49.8	59.3	62.7	56.8	56.7	58.6	63.2	57.5
45°	43.5	44.9	48.6	62.5	74.1	79.3	80.2	73.9	89.5	94.7	93.1
42.5°	41.9	51.1	67.8	77.6	96.2	107.6	112.1	121.4	130.7	142.0	144.9
40°	47.9	59.3	96.9	113.5	125.1	144.5	168.2	183.6	186.5	203.6	211.4
37.5°	55.9	92.3	136.6	165.3	164.5	198.4	233.9	271.0	291.9	275.4	313.3
35°	64.9	131.2	193.8	235.7	246.2	267.3	329.7	400.7	469.3	429.1	448.7
32.5°	91.8	175.6	260.8	324.8	387.0	401.2	439.9	632.3	756.9	758.9	658.7
30°	135.7	238.2	340.6	428.0	572.0	638.0	699.7	938.8	1148.2	1283.0	1311.7
27.5°	190.8	309.8	438.2	595.6	799.6	918.7	1118.7	1375.4	1704.9	1951.7	2122.2
25°	252.7	420.4	544.9	807.5	1071.3	1290.1	1570.8	1924.1	2386.3	2781.8	3151.0
22.5°	332.3	548.9	714.2	1044.9	1372.3	1691.7	2081.5	2589.4	3177.5	3691.8	4215.0
20°	432.4	694.7	935.0	1337.7	1714.7	2099.0	2599.2	3305.4	4049.9	4777.0	5455.9
17.5°	540.8	848.5	1182.2	1672.3	2182.3	2616.9	3140.6	4049.0	4968.7	5967.2	6956.0
15°	655.0	1007.7	1427.4	2037.4	2684.4	3276.1	3968.7	4894.3	5987.8	7268.5	8544.2
12.5°	772.2	1169.9	1667.9	2423.7	3208.1	3947.4	4829.3	5885.3	7140.8	8659.6	10206.5
10°	889.6	1332.2	1901.1	2821.2	3743.2	4621.9	5668.1	6842.1	8277.6	9984.3	11734.1
7.5°	1102.3	1545.5	2143.1	3218.9	4278.6	5289.7	6477.9	7758.2	9354.2	11251.6	13165.4
5°	1329.5	1808.2	2473.0	3636.1	4784.3	5875.7	7206.0	8624.8	10362.3	12445.0	14520.3
2.5°	1550.2	2061.0	2787.9	4025.6	5249.2	6322.6	7695.6	9187.5	11027.6	13278.4	15549.5
0°	1757.4	2301.9	3084.4	4378.8	5676.5	6726.3	8129.9	9688.4	11553.4	13874.9	16264.8
-2.5°	1944.6	2522.1	3333.9	4594.8	5808.4	6826.2	8239.7	9802.7	11647.3	13877.0	16086.4
-5°	2109.2	2727.3	3560.0	4775.2	5906.9	6892.5	8291.9	9848.7	11657.8	13777.2	15840.1
-7.5°	2249.4	2916.3	3761.2	4904.9	5959.4	6945.6	8303.0	9832.4	11596.3	13595.9	15549.2
-10°	2343.0	2994.3	3773.8	4871.2	5945.0	6966.9	8265.0	9753.7	11452.0	13338.4	15188.7
-12.5°	2282.5	2965.4	3728.9	4796.2	5895.4	6939.3	8176.6	9615.5	11227.8	13019.6	14762.8
-15°	2214.0	2917.6	3655.8	4678.5	5810.8	6859.4	8040.3	9421.3	10843.1	12497.5	14217.6
-17.5°	2140.9	2850.0	3553.5	4517.1	5691.4	6724.6	7787.9	8909.0	10213.5	11836.1	13535.3
-20°	2066.7	2761.9	3421.3	4311.2	5527.5	6381.8	7252.0	8294.4	9531.2	11041.8	12742.8



REPORT NUMBER: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1994.2	2652.9	3281.9	4130.2	5090.8	5896.9	6683.3	7621.2	8744.5	10111.4	11602.0
-25°	1939.5	2540.0	3146.9	3834.5	4631.8	5404.4	6073.0	6904.4	7926.3	9095.5	10274.8
-27.5°	1897.2	2439.7	2955.8	3542.6	4200.4	4907.7	5501.6	6215.4	7177.6	8114.1	9024.3
-30°	1852.1	2307.1	2762.2	3273.4	3854.9	4441.4	4956.7	5653.4	6509.5	7317.5	8042.0
-32.5°	1765.0	2167.0	2592.7	3053.5	3541.0	4024.3	4563.4	5223.5	5939.0	6633.9	7215.0
-35°	1661.9	2035.5	2429.4	2836.1	3248.1	3715.2	4252.2	4818.4	5423.9	6052.1	6714.4
-37.5°	1575.3	1898.5	2261.3	2634.7	3015.0	3450.2	3930.7	4450.5	4987.3	5549.1	6197.4
-40°	1482.3	1756.6	2101.7	2447.5	2797.6	3189.2	3630.8	4091.9	4572.9	5105.0	5666.1
-42.5°	1385.4	1646.7	1942.2	2256.7	2585.1	2935.9	3320.1	3748.7	4190.9	4658.3	5159.5
-45°	1302.0	1531.1	1784.8	2077.8	2369.9	2680.2	3027.3	3400.8	3815.8	4231.8	4668.1
-47.5°	1214.3	1416.1	1651.7	1896.0	2164.4	2439.4	2730.0	3081.9	3440.2	3821.6	4199.6
-50°	1126.8	1315.7	1513.5	1738.6	1968.7	2209.8	2464.7	2779.2	3108.1	3428.8	3760.1
-52.5°	1048.4	1211.2	1396.8	1588.0	1793.1	2002.1	2238.4	2512.2	2801.9	3087.5	3382.6
-55°	967.1	1119.7	1283.1	1455.3	1631.3	1817.2	2034.7	2278.6	2516.8	2782.6	3046.7
-57.5°	890.2	1031.0	1179.5	1331.5	1489.6	1650.4	1859.7	2062.4	2283.7	2504.3	2733.4
-60°	815.0	945.3	1081.7	1219.4	1356.5	1517.6	1695.4	1884.1	2072.4	2260.0	2474.3
-62.5°	738.9	863.6	987.7	1112.7	1240.0	1389.4	1558.8	1725.2	1885.7	2064.3	2246.1
-65°	666.3	779.9	897.2	1012.7	1125.8	1270.6	1423.2	1580.5	1736.6	1886.6	2041.0
-67.5°	590.9	694.5	802.6	913.7	1022.5	1148.1	1284.5	1427.7	1573.3	1711.3	1852.8
-70°	511.7	605.1	702.6	803.5	908.8	1020.8	1137.4	1262.9	1391.8	1513.7	1636.8
-72.5°	429.2	510.2	596.4	687.7	779.3	875.4	977.6	1085.3	1190.8	1293.0	1399.4
-75°	349.0	412.5	484.6	561.5	639.5	720.6	806.0	893.9	978.6	1061.6	1147.1
-77.5°	270.3	320.5	375.2	434.1	492.5	555.5	622.2	692.4	758.3	822.9	888.5
-80°	194.9	226.5	266.4	310.0	354.1	399.0	445.1	492.1	534.3	578.5	626.2
-82.5°	128.4	151.0	174.8	199.7	224.6	250.5	278.5	311.7	339.5	367.1	394.7
-85°	67.8	74.8	89.2	104.3	119.0	134.2	149.9	166.1	180.6	194.3	207.4
-87.5°	39.8	43.6	47.4	51.3	54.6	57.9	61.1	64.2	68.7	73.1	77.6
-90°	6.5	6.5	6.5	6.5	6.1	5.7	5.3	4.9	4.9	4.9	4.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	17.9	18.7	19.6	20.4	21.2	21.6	22.0	22.4	22.8	23.2	23.7
87.5°	8.9	8.7	8.5	8.2	7.9	9.8	11.7	13.8	15.8	14.4	12.9
85°	18.1	18.1	18.0	17.8	17.5	20.2	22.9	25.6	28.4	25.9	23.3
82.5°	33.4	32.7	31.6	30.0	28.0	27.7	27.2	26.3	25.1	23.9	22.9
80°	52.5	50.1	46.9	43.2	38.8	36.5	34.2	31.7	28.9	28.1	27.5
77.5°	71.1	66.4	60.8	54.7	48.2	44.1	40.5	36.7	32.6	31.5	30.8
75°	84.0	78.0	69.7	61.0	51.9	45.7	41.1	36.6	32.2	30.5	29.6
72.5°	90.0	81.2	71.0	59.3	48.1	40.7	36.2	32.0	28.2	26.6	25.8
70°	85.4	72.9	61.4	50.3	39.8	32.8	29.5	26.7	24.4	23.2	22.5
67.5°	72.8	60.1	49.1	39.4	31.3	25.9	24.1	22.5	21.1	20.3	20.0
65°	56.4	46.7	38.2	31.2	25.7	22.0	20.6	19.3	18.0	17.1	16.8
62.5°	42.8	35.2	29.7	25.3	21.9	19.4	18.4	17.5	16.7	16.2	15.8
60°	34.2	27.9	24.4	22.1	20.0	18.2	17.9	17.7	17.5	17.2	16.6
57.5°	29.3	25.4	22.8	22.2	21.4	20.2	19.8	19.7	19.0	17.8	17.3
55°	28.0	27.0	26.0	26.4	26.4	25.4	24.0	22.9	22.0	21.0	21.2
52.5°	31.2	33.3	34.4	34.4	32.7	30.2	27.4	27.8	28.3	28.8	29.3
50°	41.6	44.2	44.2	40.6	40.4	39.0	35.7	37.2	39.2	39.7	40.0
47.5°	57.8	60.3	62.0	55.7	56.8	60.2	56.6	55.5	62.4	65.5	67.0
45°	84.2	94.6	97.6	99.5	96.7	105.7	105.8	101.6	115.0	122.3	124.8
42.5°	140.4	157.8	171.6	175.6	172.4	183.6	192.1	191.5	208.3	220.3	223.5
40°	235.0	251.4	271.1	278.5	281.7	291.9	313.5	327.5	344.4	363.1	372.6
37.5°	356.3	382.1	386.1	401.2	420.1	429.7	462.6	490.7	513.8	548.8	571.2
35°	534.1	602.0	528.8	563.5	611.7	617.2	647.1	711.9	728.2	789.5	823.4
32.5°	862.0	988.5	971.9	854.3	957.7	1075.1	944.3	1176.9	1156.0	1221.5	1304.7
30°	1360.4	1728.3	1769.1	1597.0	1884.2	2040.0	2015.0	2246.7	2395.2	2376.8	2665.0
27.5°	2427.0	2722.0	2856.0	3103.0	3258.2	3488.0	3892.5	4128.2	4552.0	4774.5	5041.3
25°	3581.3	3930.1	4360.7	4785.5	5108.4	5617.6	6185.3	6631.7	7231.6	7608.1	7882.4
22.5°	4829.1	5445.3	6044.6	6636.5	7288.1	7989.5	8659.3	9432.8	10162.9	10702.1	11109.7
20°	6197.1	7049.8	7897.6	8710.1	9523.0	10460.9	11290.3	12219.8	13116.7	13896.5	14433.5
17.5°	7888.2	8779.8	9862.4	10949.7	12002.8	13164.2	14389.2	15431.5	16689.3	17728.1	18509.4
15°	9730.1	10846.6	12028.2	13388.1	14810.4	16247.3	17733.1	19265.4	20697.3	22025.5	23020.3
12.5°	11632.0	13021.8	14461.5	15967.3	17616.4	19404.7	21271.8	23095.6	24866.1	26325.9	27690.8
10°	13458.9	15195.8	16866.4	18630.9	20529.9	22530.5	24716.9	26889.4	28947.1	30745.3	32214.1
7.5°	15059.8	16945.4	18872.7	21036.3	23290.4	25532.4	27901.1	30338.1	32680.1	34752.9	36470.0
5°	16564.6	18531.7	20484.4	22812.0	25299.1	27871.8	30553.7	33291.3	35819.7	38163.1	40064.9
2.5°	17737.8	19806.9	21814.8	24367.0	26991.4	29611.4	32346.2	35339.2	38159.7	40707.1	42573.1
0°	18454.2	20496.8	22436.8	25175.6	27875.3	30625.5	33641.4	36826.8	39797.1	42237.6	44055.3
-2.5°	18206.5	20199.4	22304.0	24994.3	27848.3	30598.9	33649.9	36864.6	39815.6	42295.5	44070.6
-5°	17866.3	19820.0	21950.1	24642.0	27427.4	30174.9	33182.8	36344.2	39242.5	41682.2	43363.2
-7.5°	17448.0	19333.8	21410.8	24021.5	26791.4	29542.1	32470.2	35461.5	38233.2	40658.3	42240.2
-10°	16953.6	18741.3	20796.1	23307.1	26055.9	28707.4	31489.7	34452.3	37234.0	39439.4	41137.2
-12.5°	16440.6	18182.3	20090.5	22466.1	25097.7	27562.8	30219.2	33072.1	35522.8	37778.2	39270.2
-15°	15853.1	17523.5	19312.7	21502.5	23887.5	26194.9	28502.3	31018.2	33254.4	35259.9	36845.3
-17.5°	15173.2	16755.8	18326.1	20295.2	22578.6	24639.5	26659.8	28850.6	30838.5	32679.8	34052.4
-20°	14234.2	15536.4	17045.3	18929.0	20907.1	22645.5	24488.8	26329.1	28098.9	29657.5	30819.8



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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°	12889.0	14156.3	15554.1	17094.7	18749.7	20346.5	21924.3	23430.0	24870.0	26167.0	27102.6
-25°	11457.2	12614.7	13876.5	15157.1	16478.6	17909.0	19292.9	20535.8	21719.9	22722.0	23492.6
-27.5°	10034.6	11129.2	12232.4	13265.9	14322.9	15517.7	16728.9	17769.5	18772.4	19557.4	20158.2
-30°	8763.9	9934.1	10905.5	11608.7	12633.1	13681.3	14466.5	15413.3	16203.3	16704.3	17349.9
-32.5°	8063.7	8946.3	9827.0	10550.0	11364.0	12283.6	13027.3	13800.7	14467.5	15005.9	15411.9
-35°	7425.0	8200.5	8944.7	9688.5	10415.2	11154.0	11839.4	12492.3	13083.8	13559.8	13936.0
-37.5°	6851.2	7522.5	8196.1	8837.8	9490.6	10108.1	10696.5	11259.6	11756.8	12185.9	12540.5
-40°	6271.9	6871.5	7464.0	8044.2	8615.1	9119.1	9625.0	10090.4	10510.0	10889.7	11199.7
-42.5°	5690.2	6225.2	6744.1	7270.5	7777.1	8214.5	8632.2	9016.9	9376.7	9700.3	9967.8
-45°	5118.2	5590.8	6048.0	6515.3	6942.5	7341.2	7705.4	8029.2	8338.4	8611.1	8835.9
-47.5°	4602.8	4987.6	5395.6	5794.5	6165.3	6524.4	6842.9	7128.0	7399.2	7630.1	7813.6
-50°	4123.7	4475.0	4819.0	5142.2	5488.7	5803.5	6073.0	6335.7	6582.4	6788.4	6943.2
-52.5°	3673.2	3997.4	4306.7	4608.3	4908.9	5189.1	5447.6	5687.8	5903.3	6092.2	6226.3
-55°	3316.7	3581.6	3832.1	4122.3	4398.2	4647.3	4878.8	5112.0	5319.7	5503.1	5615.2
-57.5°	2979.1	3218.2	3456.7	3707.5	3950.2	4184.1	4404.0	4608.3	4799.7	4971.4	5067.9
-60°	2677.9	2870.8	3097.7	3329.0	3549.0	3757.8	3964.2	4155.9	4333.8	4483.2	4568.5
-62.5°	2425.5	2608.8	2800.7	2993.9	3184.4	3378.6	3565.9	3744.0	3912.9	4049.0	4131.8
-65°	2203.0	2369.0	2536.7	2707.9	2881.3	3052.4	3211.9	3368.3	3520.9	3637.6	3712.3
-67.5°	1993.5	2136.3	2277.3	2423.0	2572.4	2720.0	2860.6	2999.3	3135.1	3229.2	3287.7
-70°	1763.9	1890.0	2011.4	2134.0	2256.1	2376.0	2492.3	2608.2	2722.7	2798.3	2848.3
-72.5°	1509.5	1614.8	1713.3	1811.3	1911.0	2009.6	2105.2	2198.1	2287.9	2346.4	2389.6
-75°	1234.7	1315.0	1391.5	1468.8	1546.1	1626.3	1705.2	1780.8	1852.9	1896.7	1930.4
-77.5°	955.0	1011.8	1065.8	1120.1	1174.4	1236.5	1299.4	1360.4	1419.1	1450.1	1473.2
-80°	674.4	714.3	751.1	786.3	819.8	859.4	899.3	937.9	974.9	992.6	1005.7
-82.5°	422.5	445.8	467.7	488.5	508.0	529.3	549.4	568.2	585.4	593.9	600.3
-85°	219.8	229.9	239.3	248.0	256.0	265.8	275.0	283.6	291.6	294.1	295.8
-87.5°	82.0	85.1	88.0	90.9	93.6	97.3	100.9	104.5	107.9	108.8	109.6
-90°	4.9	4.9	4.9	4.9	4.9	4.5	4.1	3.7	3.3	3.3	3.3



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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°	24.1	24.5	24.5	24.5	24.5	24.5	24.1	23.7	23.2	22.8	22.4
87.5°	11.4	9.8	9.0	8.2	9.0	9.8	11.4	12.9	14.4	15.8	13.8
85°	20.6	17.9	17.1	16.3	17.1	17.9	20.6	23.3	25.9	28.4	25.6
82.5°	22.0	21.2	21.2	21.2	21.2	21.2	22.0	22.9	23.9	25.1	26.3
80°	26.8	26.0	26.1	26.1	26.1	26.0	26.8	27.5	28.1	28.9	31.7
77.5°	30.0	29.3	29.3	29.3	29.3	29.3	30.0	30.8	31.5	32.6	36.7
75°	28.7	27.8	27.7	27.7	27.7	27.8	28.7	29.6	30.5	32.2	36.6
72.5°	25.2	24.6	24.5	24.5	24.5	24.6	25.2	25.8	26.6	28.2	32.0
70°	21.9	21.4	21.2	21.2	21.2	21.4	21.9	22.5	23.2	24.4	26.7
67.5°	19.8	19.7	19.6	19.6	19.6	19.7	19.8	20.0	20.3	21.1	22.5
65°	16.6	16.4	16.3	16.3	16.3	16.4	16.6	16.8	17.1	18.0	19.3
62.5°	15.4	14.9	14.0	13.0	14.0	14.9	15.4	15.8	16.2	16.7	17.5
60°	15.8	14.9	14.7	14.7	14.7	14.9	15.8	16.6	17.2	17.5	17.7
57.5°	16.8	16.4	16.3	16.3	16.3	16.4	16.8	17.3	17.8	19.0	19.7
55°	21.2	21.1	21.1	21.2	21.1	21.1	21.2	21.2	21.0	22.0	22.9
52.5°	29.4	29.2	29.2	29.3	29.2	29.2	29.4	29.3	28.8	28.3	27.8
50°	40.4	40.4	40.0	39.1	40.0	40.4	40.4	40.0	39.7	39.2	37.2
47.5°	68.0	66.9	65.8	65.2	65.8	66.9	68.0	67.0	65.5	62.4	55.5
45°	127.7	126.8	124.9	123.9	124.9	126.8	127.7	124.8	122.3	115.0	101.6
42.5°	228.7	226.8	222.6	220.1	222.6	226.8	228.7	223.5	220.3	208.3	191.5
40°	383.3	385.3	382.0	379.8	382.0	385.3	383.3	372.6	363.1	344.4	327.5
37.5°	589.1	597.7	596.6	593.4	596.6	597.7	589.1	571.2	548.8	513.8	490.7
35°	838.9	848.5	843.6	842.8	843.6	848.5	838.9	823.4	789.5	728.2	711.9
32.5°	1242.2	1228.2	1175.6	1190.1	1175.6	1228.2	1242.2	1304.7	1221.5	1156.0	1176.9
30°	2684.5	2736.0	2588.9	2471.4	2588.9	2736.0	2684.5	2665.0	2376.8	2395.2	2246.7
27.5°	5067.6	5178.9	5158.1	5278.7	5158.1	5178.9	5067.6	5041.3	4774.5	4552.0	4128.2
25°	7990.0	8063.8	8068.6	7851.2	8068.6	8063.8	7990.0	7882.4	7608.1	7231.6	6631.7
22.5°	11260.7	11331.9	11461.8	11462.1	11461.8	11331.9	11260.7	11109.7	10702.1	10162.9	9432.8
20°	14806.8	14819.9	15068.1	15086.1	15068.1	14819.9	14806.8	14433.5	13896.5	13116.7	12219.8
17.5°	19059.4	19266.2	19601.8	19406.2	19601.8	19266.2	19059.4	18509.4	17728.1	16689.3	15431.5
15°	23961.6	24423.7	24782.5	24621.3	24782.5	24423.7	23961.6	23020.3	22025.5	20697.3	19265.4
12.5°	28776.0	29504.3	29851.1	29766.4	29851.1	29504.3	28776.0	27690.8	26325.9	24866.1	23095.6
10°	33358.6	34383.7	34752.0	34882.0	34752.0	34383.7	33358.6	32214.1	30745.3	28947.1	26889.4
7.5°	37751.7	38691.1	39249.5	39016.3	39249.5	38691.1	37751.7	36470.0	34752.9	32680.1	30338.1
5°	41277.6	42071.1	42522.0	42361.5	42522.0	42071.1	41277.6	40064.9	38163.1	35819.7	33291.3
2.5°	43774.7	44515.6	44906.6	44709.8	44906.6	44515.6	43774.7	42573.1	40707.1	38159.7	35339.2
0°	45201.3	45956.1	46398.7	46430.5	46398.7	45956.1	45201.3	44055.3	42237.6	39797.1	36826.8
-2.5°	45145.6	45678.8	45989.8	45831.4	45989.8	45678.8	45145.6	44070.6	42295.5	39815.6	36864.6
-5°	44200.5	44650.8	44812.3	44743.2	44812.3	44650.8	44200.5	43363.2	41682.2	39242.5	36344.2
-7.5°	43034.5	43366.5	43477.5	43395.0	43477.5	43366.5	43034.5	42240.2	40658.3	38233.2	35461.5
-10°	41906.5	42238.2	42294.5	42247.3	42294.5	42238.2	41906.5	41137.2	39439.4	37234.0	34452.3
-12.5°	40264.0	40623.7	40635.3	40525.8	40635.3	40623.7	40264.0	39270.2	37778.2	35522.8	33072.1
-15°	37702.5	37996.6	38044.0	37982.7	38044.0	37996.6	37702.5	36845.3	35259.9	33254.4	31018.2
-17.5°	34855.3	35050.0	35261.0	35496.6	35261.0	35050.0	34855.3	34052.4	32679.8	30838.5	28850.6
-20°	31436.8	31669.7	31918.7	32182.3	31918.7	31669.7	31436.8	30819.8	29657.5	28098.9	26329.1



REPORT NUMBER: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	27594.9	27856.6	28112.0	28245.3	28112.0	27856.6	27594.9	27102.6	26167.0	24870.0	23430.0
-25°	23878.5	24197.2	24398.8	24520.3	24398.8	24197.2	23878.5	23492.6	22722.0	21719.9	20535.8
-27.5°	20471.5	20849.4	21035.3	21114.7	21035.3	20849.4	20471.5	20158.2	19557.4	18772.4	17769.5
-30°	17602.0	17834.0	17866.1	17986.3	17866.1	17834.0	17602.0	17349.9	16704.3	16203.3	15413.3
-32.5°	15710.2	15967.9	16124.5	16256.6	16124.5	15967.9	15710.2	15411.9	15005.9	14467.5	13800.7
-35°	14228.0	14461.5	14615.1	14678.6	14615.1	14461.5	14228.0	13936.0	13559.8	13083.8	12492.3
-37.5°	12807.4	12983.9	13091.2	13177.1	13091.2	12983.9	12807.4	12540.5	12185.9	11756.8	11259.6
-40°	11437.7	11612.7	11718.9	11747.4	11718.9	11612.7	11437.7	11199.7	10889.7	10510.0	10090.4
-42.5°	10159.3	10294.0	10386.5	10449.8	10386.5	10294.0	10159.3	9967.8	9700.3	9376.7	9016.9
-45°	9001.7	9120.4	9202.7	9253.2	9202.7	9120.4	9001.7	8835.9	8611.1	8338.4	8029.2
-47.5°	7948.7	8044.2	8109.8	8147.9	8109.8	8044.2	7948.7	7813.6	7630.1	7399.2	7128.0
-50°	7058.7	7144.1	7204.7	7241.5	7204.7	7144.1	7058.7	6943.2	6788.4	6582.4	6335.7
-52.5°	6331.0	6414.0	6474.9	6514.4	6474.9	6414.0	6331.0	6226.3	6092.2	5903.3	5687.8
-55°	5708.2	5784.4	5839.6	5875.3	5839.6	5784.4	5708.2	5615.2	5503.1	5319.7	5112.0
-57.5°	5149.8	5217.2	5263.9	5293.3	5263.9	5217.2	5149.8	5067.9	4971.4	4799.7	4608.3
-60°	4641.3	4701.9	4744.9	4774.9	4744.9	4701.9	4641.3	4568.5	4483.2	4333.8	4155.9
-62.5°	4205.2	4269.0	4303.1	4321.7	4303.1	4269.0	4205.2	4131.8	4049.0	3912.9	3744.0
-65°	3780.8	3842.4	3875.5	3894.6	3875.5	3842.4	3780.8	3712.3	3637.6	3520.9	3368.3
-67.5°	3339.3	3383.7	3417.4	3443.0	3417.4	3383.7	3339.3	3287.7	3229.2	3135.1	2999.3
-70°	2891.3	2927.2	2928.3	2918.1	2928.3	2927.2	2891.3	2848.3	2798.3	2722.7	2608.2
-72.5°	2427.1	2458.6	2466.7	2466.5	2466.7	2458.6	2427.1	2389.6	2346.4	2287.9	2198.1
-75°	1959.4	1983.5	1999.7	2010.1	1999.7	1983.5	1959.4	1930.4	1896.7	1852.9	1780.8
-77.5°	1492.1	1506.5	1520.1	1529.2	1520.1	1506.5	1492.1	1473.2	1450.1	1419.1	1360.4
-80°	1015.6	1022.3	1023.9	1022.2	1023.9	1022.3	1015.6	1005.7	992.6	974.9	937.9
-82.5°	604.9	607.7	604.8	599.9	604.8	607.7	604.9	600.3	593.9	585.4	568.2
-85°	296.7	296.9	296.4	295.1	296.4	296.9	296.7	295.8	294.1	291.6	283.6
-87.5°	110.2	110.6	112.4	114.1	112.4	110.6	110.2	109.6	108.8	107.9	104.5
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7



REPORT NUMBER: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.0	21.6	21.2	20.4	19.6	18.7	17.9	17.1	16.3	15.5	14.7
87.5°	11.7	9.8	7.9	8.2	8.5	8.7	8.9	8.5	8.0	7.6	7.2
85°	22.9	20.2	17.5	17.8	18.0	18.1	18.1	17.7	17.2	16.5	15.7
82.5°	27.2	27.7	28.0	30.0	31.6	32.7	33.4	33.5	33.0	32.0	30.2
80°	34.2	36.5	38.8	43.2	46.9	50.1	52.5	54.1	55.1	55.4	53.8
77.5°	40.5	44.1	48.2	54.7	60.8	66.4	71.1	74.1	75.7	76.6	74.6
75°	41.1	45.7	51.9	61.0	69.7	78.0	84.0	87.9	91.2	94.0	91.9
72.5°	36.2	40.7	48.1	59.3	71.0	81.2	90.0	97.4	103.4	108.0	104.2
70°	29.5	32.8	39.8	50.3	61.4	72.9	85.4	98.4	111.7	120.3	113.4
67.5°	24.1	25.9	31.3	39.4	49.1	60.1	72.8	87.5	101.8	115.6	113.0
65°	20.6	22.0	25.7	31.2	38.2	46.7	56.4	68.6	83.7	99.3	100.7
62.5°	18.4	19.4	21.9	25.3	29.7	35.2	42.8	53.0	64.7	74.4	79.5
60°	17.9	18.2	20.0	22.1	24.4	27.9	34.2	41.3	49.1	57.4	61.7
57.5°	19.8	20.2	21.4	22.2	22.8	25.4	29.3	33.9	40.9	46.2	49.3
55°	24.0	25.4	26.4	26.4	26.0	27.0	28.0	30.5	35.7	40.6	45.1
52.5°	27.4	30.2	32.7	34.4	34.4	33.3	31.2	32.0	34.9	39.9	43.9
50°	35.7	39.0	40.4	40.6	44.2	44.2	41.6	38.3	43.1	45.4	45.6
47.5°	56.6	60.2	56.8	55.7	62.0	60.3	57.8	57.5	63.2	58.6	56.7
45°	105.8	105.7	96.7	99.5	97.6	94.6	84.2	93.1	94.7	89.5	73.9
42.5°	192.1	183.6	172.4	175.6	171.6	157.8	140.4	144.9	142.0	130.7	121.4
40°	313.5	291.9	281.7	278.5	271.1	251.4	235.0	211.4	203.6	186.5	183.6
37.5°	462.6	429.7	420.1	401.2	386.1	382.1	356.3	313.3	275.4	291.9	271.0
35°	647.1	617.2	611.7	563.5	528.8	602.0	534.1	448.7	429.1	469.3	400.7
32.5°	944.3	1075.1	957.7	854.3	971.9	988.5	862.0	658.7	758.9	756.9	632.3
30°	2015.0	2040.0	1884.2	1597.0	1769.1	1728.3	1360.4	1311.7	1283.0	1148.2	938.8
27.5°	3892.5	3488.0	3258.2	3103.0	2856.0	2722.0	2427.0	2122.2	1951.7	1704.9	1375.4
25°	6185.3	5617.6	5108.4	4785.5	4360.7	3930.1	3581.3	3151.0	2781.8	2386.3	1924.1
22.5°	8659.3	7989.5	7288.1	6636.5	6044.6	5445.3	4829.1	4215.0	3691.8	3177.5	2589.4
20°	11290.3	10460.9	9523.0	8710.1	7897.6	7049.8	6197.1	5455.9	4777.0	4049.9	3305.4
17.5°	14389.2	13164.2	12002.8	10949.7	9862.4	8779.8	7888.2	6956.0	5967.2	4968.7	4049.0
15°	17733.1	16247.3	14810.4	13388.1	12028.2	10846.6	9730.1	8544.2	7268.5	5987.8	4894.3
12.5°	21271.8	19404.7	17616.4	15967.3	14461.5	13021.8	11632.0	10206.5	8659.6	7140.8	5885.3
10°	24716.9	22530.5	20529.9	18630.9	16866.4	15195.8	13458.9	11734.1	9984.3	8277.6	6842.1
7.5°	27901.1	25532.4	23290.4	21036.3	18872.7	16945.4	15059.8	13165.4	11251.6	9354.2	7758.2
5°	30553.7	27871.8	25299.1	22812.0	20484.4	18531.7	16564.6	14520.3	12445.0	10362.3	8624.8
2.5°	32346.2	29611.4	26991.4	24367.0	21814.8	19806.9	17737.8	15549.5	13278.4	11027.6	9187.5
0°	33641.4	30625.5	27875.3	25175.6	22436.8	20496.8	18454.2	16264.8	13874.9	11553.4	9688.4
-2.5°	33649.9	30598.9	27848.3	24994.3	22304.0	20199.4	18206.5	16086.4	13877.0	11647.3	9802.7
-5°	33182.8	30174.9	27427.4	24642.0	21950.1	19820.0	17866.3	15840.1	13777.2	11657.8	9848.7
-7.5°	32470.2	29542.1	26791.4	24021.5	21410.8	19333.8	17448.0	15549.2	13595.9	11596.3	9832.4
-10°	31489.7	28707.4	26055.9	23307.1	20796.1	18741.3	16953.6	15188.7	13338.4	11452.0	9753.7
-12.5°	30219.2	27562.8	25097.7	22466.1	20090.5	18182.3	16440.6	14762.8	13019.6	11227.8	9615.5
-15°	28502.3	26194.9	23887.5	21502.5	19312.7	17523.5	15853.1	14217.6	12497.5	10843.1	9421.3
-17.5°	26659.8	24639.5	22578.6	20295.2	18326.1	16755.8	15173.2	13535.3	11836.1	10213.5	8909.0
-20°	24488.8	22645.5	20907.1	18929.0	17045.3	15536.4	14234.2	12742.8	11041.8	9531.2	8294.4



REPORT NUMBER: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21924.3	20346.5	18749.7	17094.7	15554.1	14156.3	12889.0	11602.0	10111.4	8744.5	7621.2
-25°	19292.9	17909.0	16478.6	15157.1	13876.5	12614.7	11457.2	10274.8	9095.5	7926.3	6904.4
-27.5°	16728.9	15517.7	14322.9	13265.9	12232.4	11129.2	10034.6	9024.3	8114.1	7177.6	6215.4
-30°	14466.5	13681.3	12633.1	11608.7	10905.5	9934.1	8763.9	8042.0	7317.5	6509.5	5653.4
-32.5°	13027.3	12283.6	11364.0	10550.0	9827.0	8946.3	8063.7	7215.0	6633.9	5939.0	5223.5
-35°	11839.4	11154.0	10415.2	9688.5	8944.7	8200.5	7425.0	6714.4	6052.1	5423.9	4818.4
-37.5°	10696.5	10108.1	9490.6	8837.8	8196.1	7522.5	6851.2	6197.4	5549.1	4987.3	4450.5
-40°	9625.0	9119.1	8615.1	8044.2	7464.0	6871.5	6271.9	5666.1	5105.0	4572.9	4091.9
-42.5°	8632.2	8214.5	7777.1	7270.5	6744.1	6225.2	5690.2	5159.5	4658.3	4190.9	3748.7
-45°	7705.4	7341.2	6942.5	6515.3	6048.0	5590.8	5118.2	4668.1	4231.8	3815.8	3400.8
-47.5°	6842.9	6524.4	6165.3	5794.5	5395.6	4987.6	4602.8	4199.6	3821.6	3440.2	3081.9
-50°	6073.0	5803.5	5488.7	5142.2	4819.0	4475.0	4123.7	3760.1	3428.8	3108.1	2779.2
-52.5°	5447.6	5189.1	4908.9	4608.3	4306.7	3997.4	3673.2	3382.6	3087.5	2801.9	2512.2
-55°	4878.8	4647.3	4398.2	4122.3	3832.1	3581.6	3316.7	3046.7	2782.6	2516.8	2278.6
-57.5°	4404.0	4184.1	3950.2	3707.5	3456.7	3218.2	2979.1	2733.4	2504.3	2283.7	2062.4
-60°	3964.2	3757.8	3549.0	3329.0	3097.7	2870.8	2677.9	2474.3	2260.0	2072.4	1884.1
-62.5°	3565.9	3378.6	3184.4	2993.9	2800.7	2608.8	2425.5	2246.1	2064.3	1885.7	1725.2
-65°	3211.9	3052.4	2881.3	2707.9	2536.7	2369.0	2203.0	2041.0	1886.6	1736.6	1580.5
-67.5°	2860.6	2720.0	2572.4	2423.0	2277.3	2136.3	1993.5	1852.8	1711.3	1573.3	1427.7
-70°	2492.3	2376.0	2256.1	2134.0	2011.4	1890.0	1763.9	1636.8	1513.7	1391.8	1262.9
-72.5°	2105.2	2009.6	1911.0	1811.3	1713.3	1614.8	1509.5	1399.4	1293.0	1190.8	1085.3
-75°	1705.2	1626.3	1546.1	1468.8	1391.5	1315.0	1234.7	1147.1	1061.6	978.6	893.9
-77.5°	1299.4	1236.5	1174.4	1120.1	1065.8	1011.8	955.0	888.5	822.9	758.3	692.4
-80°	899.3	859.4	819.8	786.3	751.1	714.3	674.4	626.2	578.5	534.3	492.1
-82.5°	549.4	529.3	508.0	488.5	467.7	445.8	422.5	394.7	367.1	339.5	311.7
-85°	275.0	265.8	256.0	248.0	239.3	229.9	219.8	207.4	194.3	180.6	166.1
-87.5°	100.9	97.3	93.6	90.9	88.0	85.1	82.0	77.6	73.1	68.7	64.2
-90°	4.1	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P731495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	14.3	13.9	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2
87.5°	8.6	9.9	11.1	12.1	11.5	11.0	10.5	10.0	9.9	9.9	9.7
85°	16.0	16.5	17.2	18.0	16.9	15.5	14.4	13.4	13.4	13.2	12.9
82.5°	27.3	25.9	25.1	24.6	24.1	23.2	21.8	19.8	17.7	16.6	16.1
80°	48.0	42.8	38.1	34.3	32.0	31.1	30.0	27.7	23.2	20.0	18.3
77.5°	66.7	59.5	52.9	46.5	40.9	37.1	35.0	33.8	28.4	23.3	19.9
75°	83.4	74.0	65.2	56.9	49.0	42.6	38.0	34.8	30.4	26.1	21.3
72.5°	94.3	84.8	75.8	66.1	55.8	47.3	40.7	35.7	31.3	26.8	22.4
70°	102.7	93.4	83.8	72.8	61.8	51.4	43.0	37.1	32.1	27.5	23.0
67.5°	108.4	97.2	87.7	78.3	66.9	55.6	45.0	38.6	33.3	28.1	23.5
65°	97.3	93.5	88.9	79.0	69.5	59.4	48.1	40.4	34.5	29.2	23.9
62.5°	82.8	83.3	80.5	77.4	69.7	60.3	51.1	43.4	35.9	30.2	24.7
60°	64.8	68.6	71.2	70.1	66.8	60.0	52.2	46.2	38.4	31.1	25.4
57.5°	53.6	55.1	59.2	62.1	61.2	57.4	52.8	47.5	40.6	32.7	26.3
55°	46.4	48.8	50.3	52.7	54.9	53.0	52.4	48.3	42.4	34.5	27.4
52.5°	46.2	47.0	47.4	46.7	47.7	49.4	50.1	49.1	43.2	36.1	29.3
50°	48.2	52.3	49.6	46.3	42.7	45.3	48.2	47.8	44.1	37.3	31.2
47.5°	56.8	62.7	59.3	49.8	44.2	41.9	45.7	46.3	44.9	38.2	33.2
45°	80.2	79.3	74.1	62.5	48.6	44.9	43.5	45.1	43.9	40.2	35.1
42.5°	112.1	107.6	96.2	77.6	67.8	51.1	41.9	43.8	43.1	42.5	37.1
40°	168.2	144.5	125.1	113.5	96.9	59.3	47.9	42.9	42.6	44.8	39.3
37.5°	233.9	198.4	164.5	165.3	136.6	92.3	55.9	42.4	45.2	46.7	41.7
35°	329.7	267.3	246.2	235.7	193.8	131.2	64.9	45.5	48.8	49.3	44.3
32.5°	439.9	401.2	387.0	324.8	260.8	175.6	91.8	58.5	53.4	52.3	47.0
30°	699.7	638.0	572.0	428.0	340.6	238.2	135.7	71.8	59.0	55.9	49.7
27.5°	1118.7	918.7	799.6	595.6	438.2	309.8	190.8	85.3	65.5	60.2	52.5
25°	1570.8	1290.1	1071.3	807.5	544.9	420.4	252.7	100.4	75.5	65.4	55.6
22.5°	2081.5	1691.7	1372.3	1044.9	714.2	548.9	332.3	148.9	87.0	71.1	58.8
20°	2599.2	2099.0	1714.7	1337.7	935.0	694.7	432.4	200.3	98.5	77.2	62.3
17.5°	3140.6	2616.9	2182.3	1672.3	1182.2	848.5	540.8	253.5	109.7	83.5	65.8
15°	3968.7	3276.1	2684.4	2037.4	1427.4	1007.7	655.0	307.6	120.8	90.1	73.1
12.5°	4829.3	3947.4	3208.1	2423.7	1667.9	1169.9	772.2	361.4	131.5	103.8	85.0
10°	5668.1	4621.9	3743.2	2821.2	1901.1	1332.2	889.6	432.3	163.8	123.4	97.2
7.5°	6477.9	5289.7	4278.6	3218.9	2143.1	1545.5	1102.3	542.5	200.3	143.4	109.5
5°	7206.0	5875.7	4784.3	3636.1	2473.0	1808.2	1329.5	652.2	237.4	163.3	121.6
2.5°	7695.6	6322.6	5249.2	4025.6	2787.9	2061.0	1550.2	757.8	274.1	183.0	133.6
0°	8129.9	6726.3	5676.5	4378.8	3084.4	2301.9	1757.4	855.9	309.7	202.1	145.1
-2.5°	8239.7	6826.2	5808.4	4594.8	3333.9	2522.1	1944.6	1007.4	425.2	273.6	190.5
-5°	8291.9	6892.5	5906.9	4775.2	3560.0	2727.3	2109.2	1145.7	536.6	343.0	234.7
-7.5°	8303.0	6945.6	5959.4	4904.9	3761.2	2916.3	2249.4	1269.1	641.7	409.5	277.0
-10°	8265.0	6966.9	5945.0	4871.2	3773.8	2994.3	2343.0	1375.6	738.5	471.7	317.0
-12.5°	8176.6	6939.3	5895.4	4796.2	3728.9	2965.4	2282.5	1416.0	821.6	528.9	353.9
-15°	8040.3	6859.4	5810.8	4678.5	3655.8	2917.6	2214.0	1422.2	872.5	579.1	387.2
-17.5°	7787.9	6724.6	5691.4	4517.1	3553.5	2850.0	2140.9	1419.9	916.0	622.2	418.9
-20°	7252.0	6381.8	5527.5	4311.2	3421.3	2761.9	2066.7	1410.1	951.8	659.6	448.5



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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°	6683.3	5896.9	5090.8	4130.2	3281.9	2652.9	1994.2	1393.7	979.5	690.7	473.7
-25°	6073.0	5404.4	4631.8	3834.5	3146.9	2540.0	1939.5	1371.6	999.0	715.1	494.4
-27.5°	5501.6	4907.7	4200.4	3542.6	2955.8	2439.7	1897.2	1385.5	1015.1	732.6	510.1
-30°	4956.7	4441.4	3854.9	3273.4	2762.2	2307.1	1852.1	1391.1	1032.1	747.2	520.7
-32.5°	4563.4	4024.3	3541.0	3053.5	2592.7	2167.0	1765.0	1386.2	1039.6	757.4	528.9
-35°	4252.2	3715.2	3248.1	2836.1	2429.4	2035.5	1661.9	1370.8	1037.4	760.5	532.9
-37.5°	3930.7	3450.2	3015.0	2634.7	2261.3	1898.5	1575.3	1303.9	1025.4	756.3	531.7
-40°	3630.8	3189.2	2797.6	2447.5	2101.7	1756.6	1482.3	1236.8	1011.0	744.8	525.2
-42.5°	3320.1	2935.9	2585.1	2256.7	1942.2	1646.7	1385.4	1165.5	962.3	730.0	513.5
-45°	3027.3	2680.2	2369.9	2077.8	1784.8	1531.1	1302.0	1091.9	906.3	710.1	498.9
-47.5°	2730.0	2439.4	2164.4	1896.0	1651.7	1416.1	1214.3	1026.4	847.7	682.9	482.7
-50°	2464.7	2209.8	1968.7	1738.6	1513.5	1315.7	1126.8	957.8	793.9	635.1	461.7
-52.5°	2238.4	2002.1	1793.1	1588.0	1396.8	1211.2	1048.4	887.5	737.9	590.3	436.0
-55°	2034.7	1817.2	1631.3	1455.3	1283.1	1119.7	967.1	823.0	679.6	545.4	406.5
-57.5°	1859.7	1650.4	1489.6	1331.5	1179.5	1031.0	890.2	756.2	624.9	498.4	379.6
-60°	1695.4	1517.6	1356.5	1219.4	1081.7	945.3	815.0	689.7	569.6	450.9	345.9
-62.5°	1558.8	1389.4	1240.0	1112.7	987.7	863.6	738.9	625.6	512.1	406.7	308.8
-65°	1423.2	1270.6	1125.8	1012.7	897.2	779.9	666.3	559.4	456.6	360.2	272.3
-67.5°	1284.5	1148.1	1022.5	913.7	802.6	694.5	590.9	492.6	399.5	311.6	240.2
-70°	1137.4	1020.8	908.8	803.5	702.6	605.1	511.7	423.8	340.1	269.9	206.6
-72.5°	977.6	875.4	779.3	687.7	596.4	510.2	429.2	354.4	287.6	226.6	171.5
-75°	806.0	720.6	639.5	561.5	484.6	412.5	349.0	290.0	233.4	181.7	139.7
-77.5°	622.2	555.5	492.5	434.1	375.2	320.5	270.3	223.7	180.0	142.5	108.5
-80°	445.1	399.0	354.1	310.0	266.4	226.5	194.9	164.4	132.3	103.0	76.6
-82.5°	278.5	250.5	224.6	199.7	174.8	151.0	128.4	106.7	83.7	62.8	50.6
-85°	149.9	134.2	119.0	104.3	89.2	74.8	67.8	60.8	52.3	44.5	37.3
-87.5°	61.1	57.9	54.6	51.3	47.4	43.6	39.8	36.2	31.7	27.6	23.8
-90°	5.3	5.7	6.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.8	9.4	9.0	8.6	8.2	7.4	6.5
87.5°	9.4	8.7	8.1	7.5	7.1	6.7	6.5
85°	12.4	10.9	9.6	8.5	7.6	7.0	6.5
82.5°	15.3	13.1	11.1	9.5	8.2	7.2	6.5
80°	17.8	15.2	12.6	10.5	8.7	7.5	6.5
77.5°	18.2	16.6	14.1	11.4	9.3	7.7	6.5
75°	18.5	16.7	15.3	12.4	9.8	8.0	6.5
72.5°	18.7	16.7	15.2	13.3	10.4	8.2	6.5
70°	19.0	16.8	15.1	14.0	10.9	8.4	6.5
67.5°	19.6	16.7	15.0	13.8	11.4	8.7	6.5
65°	20.2	17.0	14.8	13.6	11.9	8.9	6.5
62.5°	20.9	17.6	14.6	13.4	12.3	9.1	6.5
60°	21.5	18.1	14.4	13.2	12.8	9.3	6.5
57.5°	22.4	18.6	14.8	12.9	12.7	9.5	6.5
55°	23.5	19.2	15.3	12.7	12.6	9.7	6.5
52.5°	24.5	19.7	15.7	12.4	12.5	9.9	6.5
50°	25.6	20.6	16.1	12.1	12.5	10.0	6.5
47.5°	26.7	21.5	16.5	12.0	12.5	10.2	6.5
45°	28.4	22.4	16.9	12.2	12.5	10.4	6.5
42.5°	30.1	23.3	17.2	12.5	12.5	10.5	6.5
40°	31.7	24.2	17.7	13.0	12.5	10.6	6.5
37.5°	33.3	25.0	18.3	13.7	12.6	10.8	6.5
35°	34.8	26.1	19.0	14.4	12.6	10.9	6.5
32.5°	36.5	27.3	19.5	15.1	12.7	11.0	6.5
30°	38.6	28.5	20.1	15.9	12.8	11.1	6.5
27.5°	40.7	29.5	21.7	16.6	12.9	11.2	6.5
25°	42.8	30.5	23.5	17.4	13.1	11.2	6.5
22.5°	44.9	32.4	25.4	18.2	13.2	11.3	6.5
20°	47.0	36.4	27.3	18.9	13.4	11.4	6.5
17.5°	52.5	40.7	29.3	19.7	13.5	11.4	6.5
15°	60.1	45.2	31.3	20.5	13.7	11.4	6.5
12.5°	67.9	49.7	33.3	21.2	13.9	11.5	6.5
10°	75.8	54.3	35.2	22.0	14.1	11.5	6.5
7.5°	83.6	58.8	37.1	22.7	14.2	11.5	6.5
5°	91.3	63.3	39.0	23.3	14.4	11.5	6.5
2.5°	98.8	67.6	40.8	23.9	14.5	11.4	6.5
0°	106.0	71.7	42.4	24.5	14.7	11.4	6.5
-2.5°	133.5	87.1	50.6	28.1	15.8	11.6	6.5
-5°	160.2	102.0	58.7	31.6	16.8	11.8	6.5
-7.5°	185.7	116.2	66.3	35.0	17.8	12.0	6.5
-10°	209.8	129.7	73.6	38.2	18.8	12.2	6.5
-12.5°	232.0	142.2	80.4	41.2	19.7	12.3	6.5
-15°	252.0	153.5	86.5	43.9	20.5	12.5	6.5
-17.5°	269.5	163.6	92.0	46.3	21.3	12.6	6.5
-20°	286.7	172.2	96.7	48.4	22.1	12.7	6.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	304.9	179.3	100.6	50.1	22.7	12.8	6.5
-25°	320.0	188.5	103.6	51.4	23.3	12.9	6.5
-27.5°	331.8	197.3	105.6	52.4	23.7	12.9	6.5
-30°	340.1	203.9	107.0	52.8	24.1	12.9	6.5
-32.5°	344.8	208.2	110.3	52.9	24.3	12.9	6.5
-35°	348.5	210.2	112.3	52.4	24.5	12.9	6.5
-37.5°	349.9	210.7	112.9	51.5	24.5	12.9	6.5
-40°	347.6	210.8	112.2	50.1	24.5	12.8	6.5
-42.5°	341.7	208.7	111.2	48.7	24.3	12.7	6.5
-45°	332.2	204.4	110.1	47.8	24.0	12.6	6.5
-47.5°	319.1	198.0	107.9	46.3	23.6	12.5	6.5
-50°	306.9	189.3	104.5	45.8	23.0	12.3	6.5
-52.5°	292.4	178.6	100.0	45.3	22.4	12.1	6.5
-55°	274.9	169.4	94.4	44.3	21.7	11.9	6.5
-57.5°	254.6	159.3	87.7	42.8	20.8	11.7	6.5
-60°	232.3	147.6	80.2	40.7	19.9	11.4	6.5
-62.5°	213.5	134.4	74.8	38.2	19.2	11.2	6.5
-65°	192.6	119.8	68.6	35.2	18.4	10.9	6.5
-67.5°	169.9	105.8	61.6	31.8	17.5	10.6	6.5
-70°	145.4	92.8	53.9	28.0	16.6	10.3	6.5
-72.5°	123.6	78.8	45.5	25.6	15.7	9.9	6.5
-75°	101.1	63.8	36.6	23.4	14.7	9.6	6.5
-77.5°	77.5	48.1	31.5	21.2	13.7	9.2	6.5
-80°	52.9	38.0	27.2	18.8	12.6	8.9	6.5
-82.5°	41.0	31.1	22.8	16.3	11.6	8.5	6.5
-85°	30.8	23.9	18.3	13.8	10.5	8.1	6.5
-87.5°	20.3	16.7	13.7	11.2	9.3	7.7	6.5
-90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5

(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

