

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: P731566 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-7F-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731566 (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-08-0530N-57-70-7F-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

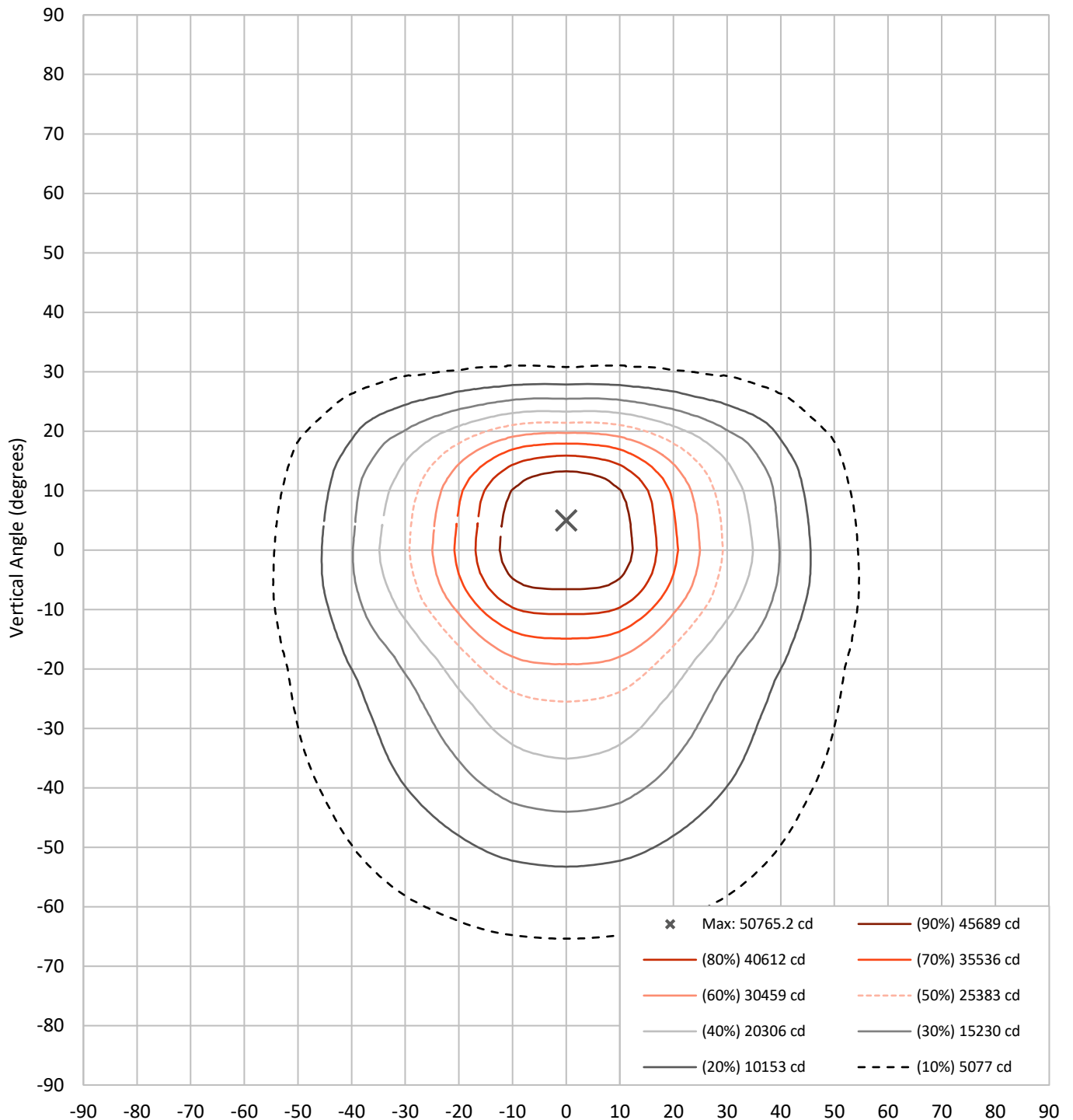
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	49741.4 lumens	Max Intensity:	50765.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	88.8 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:	23924.6 lumens	Field Lumens:	46111.7 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

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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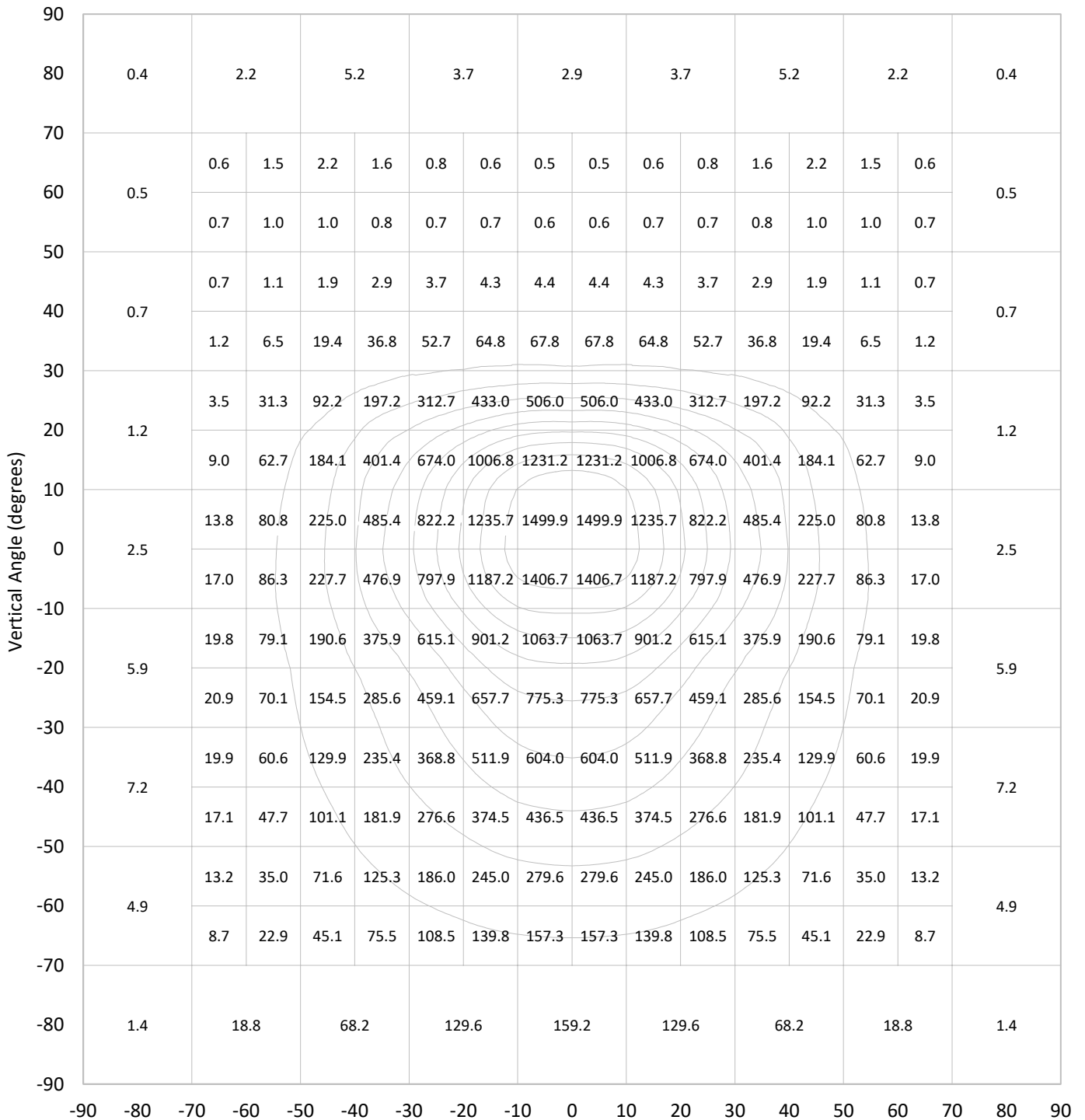
Iso-Candela Plot





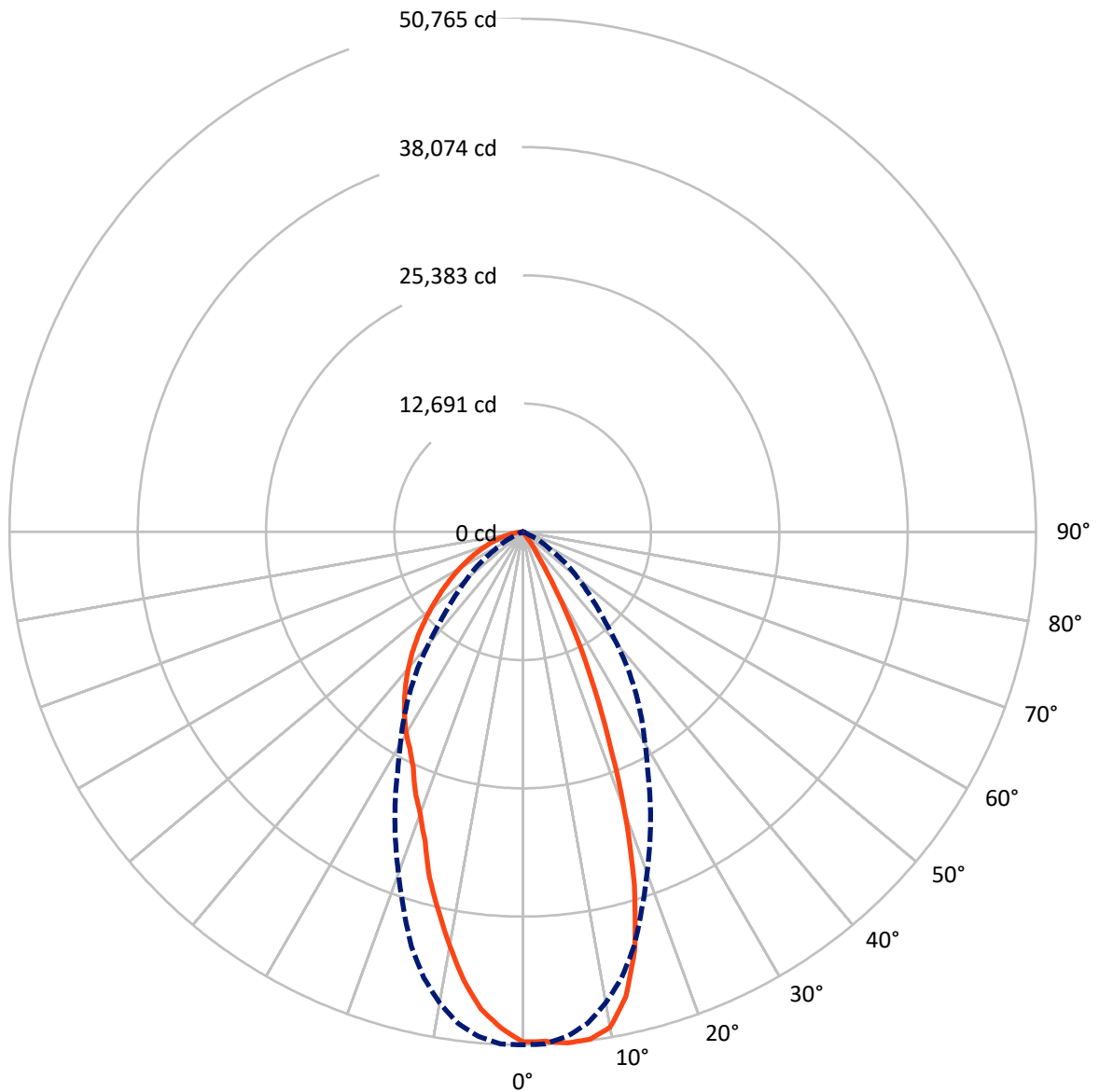
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Lumen Table



REPORT NUMBER: P731566 (CONVERTED FROM TYPE C PHOTOMETRY)
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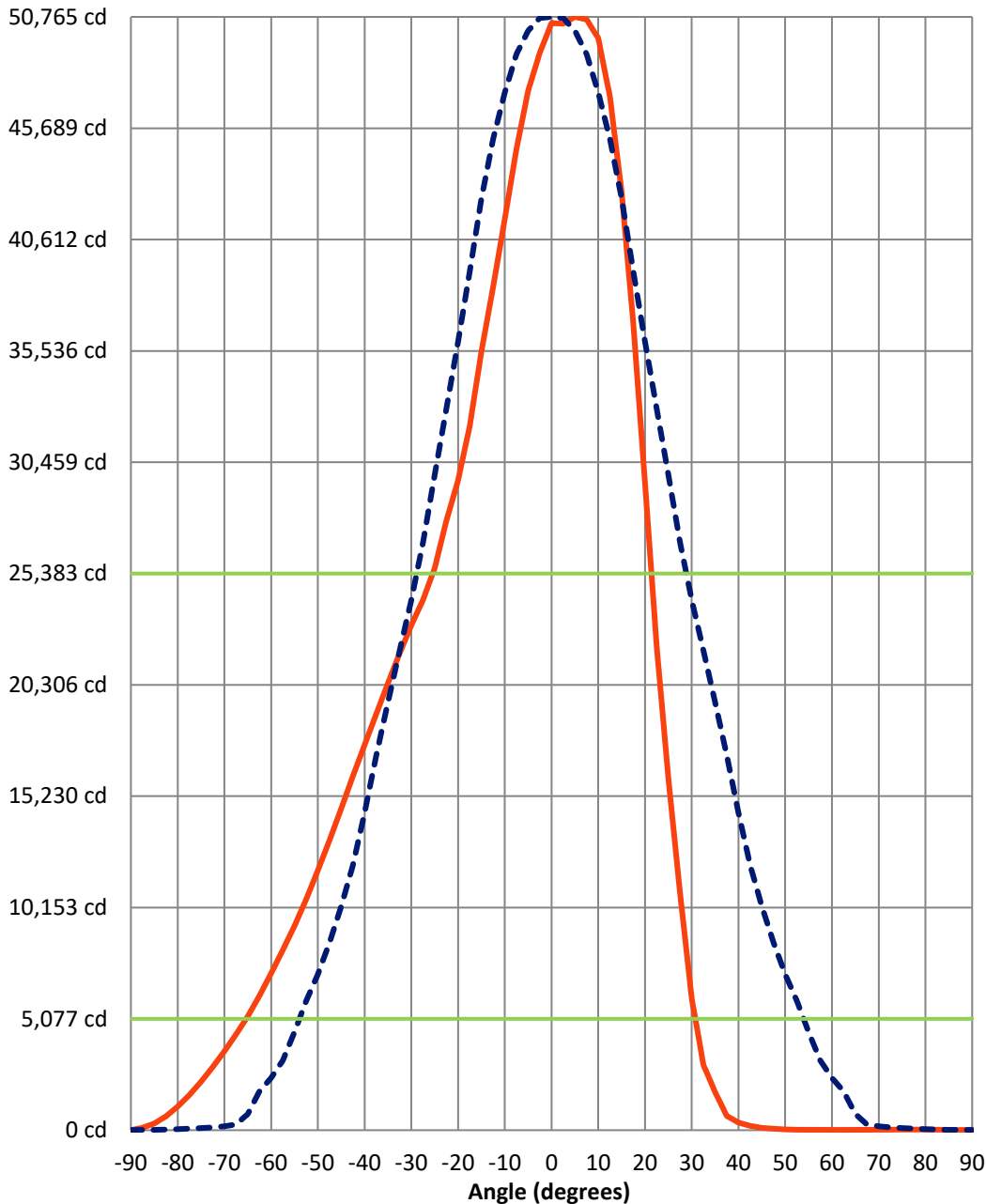
Luminous Intensity Polar Plot



— 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: 23924.6
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 46111.7
 Efficiency: 92.7%

Spill:
 Lumens: 3629.7
 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°	7.0	7.9	8.7	9.1	9.6	10.0	10.4	10.9	11.3	11.8	12.2
87.5°	7.0	8.1	9.3	9.4	9.7	10.1	10.6	10.5	10.3	10.0	9.6
85°	7.0	8.4	9.9	10.5	11.5	12.7	14.2	14.4	14.5	14.4	14.1
82.5°	7.0	8.6	10.5	11.7	13.3	15.3	17.7	18.4	18.7	19.6	21.7
80°	7.0	8.9	11.1	12.8	15.0	17.8	20.9	21.3	23.0	26.2	30.9
77.5°	7.0	9.1	11.7	13.9	16.8	19.6	21.7	23.5	27.1	32.5	37.9
75°	7.0	9.4	12.2	14.9	18.1	19.9	22.4	25.5	30.6	34.8	39.0
72.5°	7.0	9.6	12.8	16.0	18.2	20.2	23.0	27.1	31.4	35.7	40.1
70°	7.0	9.9	13.3	16.8	18.2	20.5	23.6	27.7	32.2	36.6	42.2
67.5°	7.0	10.1	13.8	16.6	18.1	20.6	24.3	28.3	32.9	38.7	44.4
65°	7.0	10.3	14.3	16.4	18.1	21.0	25.0	28.9	34.6	40.6	46.9
62.5°	7.0	10.5	14.8	16.2	17.9	21.7	25.7	30.0	36.3	42.6	50.0
60°	7.0	10.7	15.2	16.0	17.8	22.4	26.4	31.4	37.8	45.0	52.8
57.5°	7.0	10.9	15.1	15.7	18.3	23.1	27.7	32.8	39.5	47.1	54.2
55°	7.0	11.1	14.9	15.4	19.0	23.8	29.1	34.3	41.0	48.7	55.0
52.5°	7.0	11.3	14.8	15.1	19.5	24.6	30.4	36.1	42.3	49.6	55.9
50°	7.0	11.4	14.7	14.8	20.1	25.7	31.7	37.9	43.3	50.5	56.2
47.5°	7.0	11.6	14.6	14.6	20.7	26.8	33.1	40.0	44.2	51.4	57.2
45°	7.0	11.7	14.6	15.0	21.2	27.8	35.1	42.2	46.7	53.2	58.9
42.5°	7.0	11.9	14.5	15.4	21.8	28.8	37.1	44.7	49.6	55.7	61.9
40°	7.0	12.0	14.5	16.1	22.4	29.7	39.2	47.5	53.3	59.0	65.8
37.5°	7.0	12.1	14.5	16.9	23.1	30.6	41.4	50.6	58.0	64.7	70.6
35°	7.0	12.2	14.5	17.8	23.8	32.0	43.7	53.8	63.0	71.6	77.4
32.5°	7.0	12.3	14.5	18.6	24.4	33.8	46.1	57.3	68.2	79.4	90.3
30°	7.0	12.3	14.6	19.5	24.9	35.4	48.7	61.0	73.6	87.9	105.1
27.5°	7.0	12.4	14.6	20.4	26.7	37.1	51.5	65.4	79.8	97.2	121.6
25°	7.0	12.4	14.7	21.4	28.7	38.7	54.3	69.8	87.2	109.6	141.6
22.5°	7.0	12.4	14.8	22.3	30.8	41.1	57.1	74.2	94.9	124.0	207.8
20°	7.0	12.5	14.9	23.2	33.0	45.6	59.8	78.6	102.9	139.1	281.9
17.5°	7.0	12.5	15.0	24.2	35.3	50.1	65.0	83.0	110.9	154.7	362.2
15°	7.0	12.5	15.1	25.1	37.6	54.6	71.5	89.5	118.9	170.6	446.6
12.5°	7.0	12.5	15.2	25.9	39.9	59.1	78.0	99.0	131.4	186.4	533.1
10°	7.0	12.4	15.3	26.8	42.1	63.6	84.3	108.5	147.5	210.8	614.7
7.5°	7.0	12.4	15.4	27.6	44.4	68.0	90.6	117.9	163.5	236.1	681.0
5°	7.0	12.3	15.5	28.3	46.5	72.2	96.6	127.1	179.2	260.6	738.8
2.5°	7.0	12.3	15.6	29.0	48.6	76.2	102.4	135.9	194.4	284.1	787.6
0°	7.0	12.2	15.7	29.6	50.5	80.0	107.9	144.4	208.8	306.2	826.4
-2.5°	7.0	12.4	16.9	33.2	58.7	95.6	134.9	189.9	279.7	409.6	934.3
-5°	7.0	12.6	18.1	36.7	66.6	110.8	161.3	234.1	348.5	509.7	1031.6
-7.5°	7.0	12.8	19.2	40.1	74.2	125.3	186.7	276.6	414.1	605.0	1118.2
-10°	7.0	13.0	20.3	43.2	81.3	139.0	210.7	316.5	475.6	694.2	1194.4
-12.5°	7.0	13.2	21.4	46.1	87.9	151.6	233.1	353.4	532.1	775.7	1265.4
-15°	7.0	13.3	22.4	48.8	93.9	163.1	253.4	386.6	585.5	849.4	1326.3
-17.5°	7.0	13.5	23.3	51.1	99.3	173.2	271.6	422.1	637.1	914.5	1373.3
-20°	7.0	13.6	24.1	53.2	103.8	181.8	291.4	458.3	682.6	970.3	1406.1



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.0	13.7	24.8	54.8	107.5	188.7	315.1	489.9	721.4	1016.1	1424.2
-25°	7.0	13.7	25.4	56.1	110.3	199.4	335.2	516.4	753.3	1051.2	1427.3
-27.5°	7.0	13.8	25.9	57.0	112.2	210.1	351.7	537.5	777.8	1078.9	1461.1
-30°	7.0	13.8	26.3	57.5	113.5	218.5	364.1	552.9	798.7	1103.5	1482.5
-32.5°	7.0	13.8	26.6	57.5	117.8	224.4	372.4	566.1	814.4	1118.2	1489.0
-35°	7.0	13.8	26.8	57.0	120.6	227.6	378.3	574.5	822.2	1122.6	1480.2
-37.5°	7.0	13.7	26.8	56.1	121.8	229.2	381.1	576.8	821.9	1116.7	1436.5
-40°	7.0	13.7	26.7	54.7	121.5	230.0	380.0	572.8	813.4	1106.3	1390.3
-42.5°	7.0	13.6	26.5	53.4	120.9	228.4	374.9	562.6	800.5	1068.6	1335.4
-45°	7.0	13.5	26.1	52.8	120.2	224.2	365.9	548.6	781.3	1021.2	1273.5
-47.5°	7.0	13.3	25.6	51.4	118.1	217.5	352.8	532.5	753.5	967.2	1211.9
-50°	7.0	13.1	25.0	51.0	114.8	208.3	339.9	511.0	706.9	913.1	1142.6
-52.5°	7.0	12.9	24.2	50.4	110.2	196.8	324.1	484.3	661.5	852.9	1066.4
-55°	7.0	12.7	23.3	49.3	104.3	187.0	304.9	453.3	613.9	786.8	989.9
-57.5°	7.0	12.5	22.3	47.7	97.3	176.2	282.4	423.4	561.8	722.6	906.7
-60°	7.0	12.2	21.2	45.5	89.2	163.5	257.6	385.7	507.3	655.2	820.4
-62.5°	7.0	11.9	20.4	42.8	83.7	149.2	237.0	343.8	456.4	582.9	735.0
-65°	7.0	11.6	19.6	39.7	77.2	133.2	214.1	302.6	402.4	515.8	644.0
-67.5°	7.0	11.3	18.7	36.1	69.9	118.3	189.0	266.9	345.5	447.7	559.2
-70°	7.0	11.0	17.7	32.1	61.9	104.9	161.9	229.6	299.3	376.5	475.2
-72.5°	7.0	10.6	16.7	29.4	53.2	90.4	139.3	190.7	251.4	318.4	391.6
-75°	7.0	10.3	15.7	26.8	43.9	75.0	116.2	156.8	201.8	258.6	320.8
-77.5°	7.0	9.9	14.6	24.1	38.0	58.8	91.9	124.2	159.9	200.1	247.8
-80°	7.0	9.5	13.5	21.3	32.6	47.2	66.6	90.7	117.9	148.7	183.0
-82.5°	7.0	9.1	12.3	18.4	27.0	38.2	51.8	62.3	75.0	96.2	120.0
-85°	7.0	8.7	11.1	15.3	21.3	28.9	38.2	45.3	52.8	60.9	69.3
-87.5°	7.0	8.3	9.9	12.2	15.4	19.5	24.4	28.1	32.1	36.4	40.8
-90°	7.0	7.9	8.7	8.3	7.9	7.4	7.0	6.6	6.1	5.7	5.2



REPORT NUMBER: P731566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.2	12.2	12.2	12.2	12.6	13.1	13.5	13.9	14.8	15.7	16.5
87.5°	10.2	10.9	11.5	12.2	11.3	10.3	9.0	7.7	8.1	8.5	9.0
85°	15.3	16.5	18.1	19.2	18.3	17.6	17.0	16.7	17.6	18.4	18.9
82.5°	23.8	25.3	26.1	26.3	26.8	27.6	29.1	32.1	34.2	35.5	36.3
80°	33.2	34.1	34.9	37.2	41.3	46.2	51.6	57.6	59.5	59.7	59.1
77.5°	38.9	41.0	45.1	51.2	58.0	64.9	72.4	80.6	83.0	82.3	80.7
75°	42.3	47.2	54.4	63.2	72.2	81.5	91.3	100.6	103.2	100.3	96.5
72.5°	45.5	53.1	62.6	74.0	83.9	93.4	104.1	115.7	119.8	113.9	106.9
70°	48.7	58.2	69.1	80.4	91.7	102.6	112.9	124.1	130.7	121.5	107.4
67.5°	51.5	62.6	74.1	85.7	96.0	106.6	118.3	123.0	126.0	111.1	95.1
65°	54.8	66.5	77.0	87.3	98.3	102.6	106.4	110.4	109.9	92.8	75.9
62.5°	58.0	67.6	77.7	85.8	88.4	91.0	91.0	88.5	84.3	72.6	58.0
60°	59.2	67.5	74.4	77.2	77.8	75.3	72.0	68.8	63.7	53.8	43.8
57.5°	59.8	64.3	67.5	68.3	65.4	60.4	58.2	53.0	48.6	42.9	34.7
55°	59.5	59.0	60.8	59.2	55.7	51.7	47.6	44.2	38.8	37.1	33.4
52.5°	58.0	55.4	54.5	52.7	50.3	46.2	42.1	39.4	38.1	36.0	33.0
50°	57.5	54.0	49.8	49.7	47.8	44.8	40.5	40.0	40.1	38.1	34.6
47.5°	58.2	54.1	48.8	48.9	49.1	50.2	46.7	45.0	45.6	50.7	45.3
45°	60.1	57.9	52.4	52.2	57.1	63.6	69.4	53.4	69.5	77.6	83.9
42.5°	63.2	64.2	67.0	57.1	75.6	98.8	109.9	115.6	109.7	135.1	161.3
40°	70.2	72.7	92.1	99.7	107.6	155.7	222.5	238.1	180.9	251.5	295.2
37.5°	78.8	103.4	137.2	178.0	174.3	274.8	379.3	459.5	451.5	427.0	611.4
35°	88.7	141.3	232.4	323.4	363.4	458.6	651.3	790.9	874.0	924.1	1076.0
32.5°	116.1	186.1	351.4	544.8	711.3	805.7	987.7	1293.7	1583.3	1756.1	1754.5
30°	164.1	296.6	519.3	816.5	1140.1	1405.5	1556.1	1949.3	2501.2	2893.7	3155.3
27.5°	235.0	430.8	778.5	1208.9	1662.3	2113.0	2413.4	2924.4	3667.0	4265.2	4824.0
25°	321.6	643.9	1070.3	1675.6	2342.3	2914.8	3346.9	4057.1	4998.1	5936.4	6871.1
22.5°	459.5	891.5	1394.2	2185.8	3092.8	3743.5	4378.1	5243.8	6332.1	7649.3	9074.6
20°	651.8	1179.6	1740.1	2586.2	3843.3	4587.0	5366.2	6399.4	7668.7	9269.6	11172.5
17.5°	859.5	1451.7	2079.2	3022.4	4249.0	5279.5	6325.8	7503.3	8925.8	10782.9	12832.8
15°	1078.0	1707.5	2382.2	3411.9	4628.7	5742.2	6980.2	8511.7	10189.1	12197.4	14341.7
12.5°	1302.1	1947.0	2650.6	3755.0	4991.3	6161.3	7481.6	9074.4	11025.9	13381.6	15632.6
10°	1526.1	2170.1	2886.6	4052.3	5331.4	6536.1	7912.2	9541.9	11527.3	13887.6	16320.7
7.5°	1663.5	2317.4	3079.4	4304.8	5643.3	6865.7	8273.7	9917.5	11874.7	14249.3	16756.9
5°	1767.3	2383.6	3179.7	4476.8	5889.9	7109.8	8555.7	10205.3	12083.9	14469.7	17088.2
2.5°	1848.1	2432.4	3259.8	4604.7	6076.3	7242.5	8723.7	10389.5	12301.7	14743.7	17422.7
0°	1905.1	2465.4	3317.9	4692.4	6216.5	7328.2	8833.2	10500.0	12453.8	14981.8	17720.3
-2.5°	1960.5	2567.3	3436.1	4804.2	6236.7	7341.0	8874.9	10504.5	12453.7	14935.6	17596.9
-5°	1995.3	2652.1	3529.4	4874.7	6216.0	7314.7	8851.9	10441.4	12318.1	14664.8	17139.7
-7.5°	2013.4	2717.0	3596.7	4885.3	6108.6	7160.4	8575.2	10069.4	11870.1	14069.1	16351.0
-10°	2022.9	2756.1	3589.5	4738.2	5885.6	6912.3	8205.7	9637.3	11333.5	13378.4	15489.7
-12.5°	2049.5	2777.3	3557.0	4577.7	5643.5	6631.9	7796.0	9151.6	10711.1	12606.0	14543.1
-15°	2063.9	2788.1	3511.9	4412.0	5388.9	6321.3	7352.5	8617.2	10036.9	11731.9	13450.5
-17.5°	2068.0	2790.0	3456.8	4248.8	5128.1	5982.7	6916.2	8159.2	9451.8	10915.6	12381.3
-20°	2063.4	2784.8	3394.4	4095.2	4871.8	5736.7	6679.1	7763.6	8920.6	10158.3	11379.5



REPORT NUMBER: P731566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2052.0	2773.9	3341.8	3986.3	4748.8	5575.5	6442.5	7380.8	8376.4	9451.2	10689.6
-25°	2046.3	2734.1	3306.6	3909.1	4629.6	5406.0	6193.6	7027.3	7895.3	9020.9	10202.0
-27.5°	2037.4	2692.0	3237.5	3802.2	4491.8	5234.8	5973.5	6734.4	7625.6	8636.7	9732.9
-30°	2010.5	2590.2	3143.6	3676.9	4346.0	5061.8	5767.2	6490.6	7333.8	8287.1	9304.0
-32.5°	1934.9	2474.8	3018.8	3554.5	4170.5	4872.1	5554.2	6255.6	7037.9	7892.1	8870.4
-35°	1850.2	2355.7	2878.8	3402.7	3965.4	4642.2	5305.8	5983.7	6709.9	7511.4	8423.4
-37.5°	1788.6	2227.7	2728.9	3231.6	3771.7	4373.0	5023.8	5676.4	6363.8	7127.6	7990.2
-40°	1715.2	2091.4	2576.9	3058.0	3549.6	4104.0	4712.0	5338.3	5983.7	6745.3	7535.8
-42.5°	1633.1	1996.4	2419.3	2873.9	3337.5	3841.4	4384.0	4979.9	5627.4	6336.0	7078.2
-45°	1562.3	1889.7	2261.6	2687.0	3117.7	3574.2	4077.4	4610.2	5249.8	5909.0	6598.3
-47.5°	1481.7	1778.3	2127.9	2489.5	2895.2	3316.1	3761.1	4280.1	4848.2	5465.6	6097.8
-50°	1394.5	1677.2	1975.4	2311.6	2671.3	3056.5	3462.8	3936.3	4454.9	5006.4	5588.3
-52.5°	1306.9	1565.8	1840.3	2133.0	2459.5	2805.7	3182.1	3603.8	4062.8	4546.0	5059.4
-55°	1210.9	1452.6	1702.4	1967.9	2252.7	2566.8	2903.3	3280.3	3674.9	4113.0	4544.8
-57.5°	1112.2	1330.8	1561.2	1807.0	2063.0	2330.1	2635.1	2954.4	3311.0	3685.5	4066.5
-60°	1009.1	1205.0	1413.7	1639.8	1877.6	2118.2	2365.3	2648.2	2950.9	3262.1	3602.7
-62.5°	901.0	1076.8	1263.5	1463.9	1681.6	1899.4	2120.9	2354.9	2600.2	2879.7	3163.9
-65°	793.9	945.3	1111.5	1289.8	1476.3	1671.8	1870.5	2070.9	2285.5	2515.8	2755.1
-67.5°	681.0	817.8	960.7	1112.1	1277.6	1443.6	1617.0	1798.2	1980.5	2167.1	2363.6
-70°	579.3	687.8	812.4	944.5	1078.2	1214.1	1363.9	1519.5	1678.4	1837.1	2000.4
-72.5°	476.8	570.0	669.6	775.1	887.4	999.4	1116.3	1237.6	1366.7	1500.3	1636.0
-75°	383.6	449.8	531.3	619.3	705.0	789.3	877.0	975.7	1077.9	1180.9	1283.7
-77.5°	297.6	350.2	407.0	467.6	527.2	594.9	664.3	735.0	809.0	885.0	961.9
-80°	215.4	248.7	290.6	335.8	379.1	422.9	468.0	514.0	562.3	615.5	672.9
-82.5°	142.7	166.4	191.4	217.4	241.5	265.5	291.1	322.5	354.2	386.7	419.9
-85°	76.3	83.4	98.1	113.6	129.0	144.4	159.8	175.1	190.8	206.2	221.0
-87.5°	44.3	47.8	51.4	55.1	58.9	62.8	66.7	70.5	75.7	81.0	86.2
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	17.4	17.8	18.3	18.7	19.1	19.6	20.0	20.5	20.9	21.3	21.8
87.5°	9.5	8.8	8.1	7.4	6.7	8.7	10.9	13.0	15.3	14.1	12.9
85°	19.3	19.5	19.5	19.6	19.7	22.0	24.3	26.5	28.6	26.4	24.0
82.5°	36.5	35.9	34.6	32.8	30.4	29.8	29.0	27.9	26.5	25.4	24.4
80°	57.8	54.9	51.0	46.6	41.5	38.9	36.5	33.8	30.9	30.0	29.3
77.5°	77.6	72.2	65.8	58.9	51.5	46.9	42.7	38.2	33.5	32.1	31.3
75°	91.7	84.8	75.7	65.9	55.5	48.4	42.7	37.0	31.4	30.0	29.8
72.5°	99.0	89.5	77.9	64.1	51.1	42.4	37.0	32.2	28.0	26.4	25.8
70°	93.1	78.7	65.3	52.6	41.0	33.2	29.4	26.1	23.1	22.4	22.8
67.5°	78.6	64.1	51.9	41.0	31.7	25.4	23.2	21.4	20.1	19.6	19.6
65°	61.4	49.2	39.2	31.0	24.3	20.5	19.7	19.0	18.3	17.7	17.1
62.5°	45.3	36.0	29.7	25.0	21.4	19.1	18.5	17.8	16.9	16.0	15.3
60°	35.3	28.0	24.8	22.8	21.0	19.4	18.8	18.4	18.1	17.9	17.3
57.5°	30.7	27.0	24.1	22.9	21.9	21.2	20.8	20.4	19.8	19.0	18.4
55°	29.9	27.1	24.6	23.9	23.4	22.9	22.3	21.7	21.0	20.3	20.0
52.5°	30.0	28.8	26.8	25.9	26.3	25.7	24.2	24.9	25.1	24.3	24.0
50°	33.9	34.2	34.7	31.8	34.8	36.0	34.2	35.7	37.9	38.1	37.9
47.5°	48.1	51.3	55.4	52.2	56.0	61.8	61.3	61.7	66.9	67.6	67.4
45°	76.7	90.5	97.0	100.8	99.3	112.8	115.4	111.1	118.2	119.5	117.5
42.5°	153.4	161.1	178.4	192.1	184.2	198.2	202.3	189.7	202.0	207.5	201.5
40°	343.6	273.2	324.3	359.6	347.3	320.3	367.2	350.4	348.8	368.3	353.0
37.5°	678.3	602.0	654.4	755.3	751.7	624.7	766.4	757.2	636.5	779.5	767.0
35°	1216.4	1357.3	1294.4	1483.1	1537.7	1566.1	1644.7	1725.9	1637.0	1754.1	1751.0
32.5°	2178.1	2470.4	2599.6	2622.6	2864.6	3061.9	2978.4	3294.8	3275.5	3354.6	3435.4
30°	3438.6	4090.1	4419.9	4428.1	4829.7	5183.2	5295.3	5692.4	5927.3	5888.3	6281.6
27.5°	5486.2	6126.3	6669.4	7132.8	7445.8	8003.2	8778.8	9170.2	9747.3	9973.6	10517.3
25°	7799.8	8595.1	9452.5	10259.0	10921.4	11919.6	12885.1	13493.9	14319.5	14966.5	15624.0
22.5°	10306.2	11361.3	12461.4	13667.8	14899.6	16117.5	17290.2	18415.0	19515.7	20731.5	21474.8
20°	12868.7	14061.2	15400.3	17035.4	18744.3	20213.0	21814.8	23578.3	25264.4	26833.7	28019.0
17.5°	14816.0	16661.4	18112.1	19880.9	22003.2	24072.2	26114.2	28439.9	30584.9	32585.7	34370.0
15°	16303.0	18237.6	20340.2	22475.2	24710.9	27174.4	29983.2	32528.1	35177.8	37531.0	39734.8
12.5°	17599.2	19563.2	21763.7	24253.7	27073.6	29718.5	32662.3	35844.9	38656.2	41420.5	43488.3
10°	18555.9	20737.6	22968.3	25471.9	28347.5	31435.5	34625.8	37842.9	40995.0	43663.6	45885.1
7.5°	19083.6	21400.6	23734.6	26349.0	29305.4	32342.8	35529.8	38888.7	42061.5	44809.8	46849.9
5°	19513.2	21868.8	24175.8	26800.6	29881.0	32898.2	35951.2	39157.0	42479.2	45189.9	47312.4
2.5°	19888.1	22186.4	24436.8	26992.4	30166.9	33197.5	36336.5	39659.8	42872.5	45487.2	47553.4
0°	20213.5	22383.1	24584.0	27117.2	30436.9	33504.2	36592.4	39844.2	43116.8	45663.9	47755.3
-2.5°	19978.0	22105.4	24274.0	26863.4	30029.2	33046.5	36152.2	39445.1	42545.0	45125.0	47152.5
-5°	19364.2	21413.4	23566.8	26149.9	29171.9	32127.3	35191.6	38363.4	41277.3	43856.7	45721.8
-7.5°	18466.7	20472.7	22617.8	25160.4	27972.5	30654.8	33393.5	36333.6	39234.0	41511.3	43287.7
-10°	17469.0	19378.3	21352.6	23588.8	26078.8	28584.2	31100.6	33833.8	36389.3	38527.6	40237.7
-12.5°	16284.5	17980.5	19798.4	21748.9	24034.8	26421.0	28820.7	31214.7	33571.7	35495.3	37044.4
-15°	15005.2	16505.0	18165.2	20051.8	22088.6	24194.2	26358.8	28645.1	30767.8	32559.5	33925.3
-17.5°	13743.1	15086.1	16773.6	18488.9	20134.8	22065.7	24218.5	26109.1	28046.2	29655.2	30861.7
-20°	12673.2	14118.1	15585.4	17050.9	18623.2	20500.5	22325.8	24108.3	25829.6	27294.7	28494.3



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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°	11975.7	13245.2	14497.3	15883.5	17481.9	19138.5	20790.5	22411.1	23969.0	25360.8	26501.8
-25°	11341.5	12415.7	13655.6	15063.1	16412.9	17866.0	19425.7	20780.3	22258.1	23518.4	24494.7
-27.5°	10787.1	11850.2	13066.9	14332.9	15553.7	16863.4	18284.1	19576.9	20906.7	22118.6	22970.5
-30°	10304.3	11405.6	12549.8	13707.9	14857.6	16069.4	17304.1	18553.7	19773.8	20872.7	21691.4
-32.5°	9892.9	10926.0	11999.1	13076.9	14125.1	15228.9	16374.3	17523.1	18653.5	19615.0	20416.6
-35°	9425.1	10414.2	11411.3	12379.2	13350.1	14337.4	15400.5	16475.8	17487.3	18365.1	19147.7
-37.5°	8903.2	9856.2	10766.1	11647.2	12547.2	13460.1	14444.8	15432.8	16361.8	17156.4	17902.5
-40°	8383.7	9252.0	10076.2	10898.6	11723.7	12578.6	13469.2	14353.9	15169.4	15920.9	16616.2
-42.5°	7843.9	8604.0	9354.2	10119.7	10880.9	11651.9	12447.4	13251.9	13978.6	14664.0	15280.4
-45°	7299.3	7951.6	8614.3	9315.6	10010.6	10702.8	11391.6	12070.7	12751.0	13389.7	13910.3
-47.5°	6720.2	7308.9	7910.5	8513.4	9136.3	9768.1	10370.2	10958.1	11559.0	12129.8	12559.9
-50°	6135.8	6680.8	7224.6	7755.8	8306.4	8862.1	9410.7	9928.1	10431.6	10917.0	11253.2
-52.5°	5547.1	6051.1	6549.5	7029.9	7507.6	7981.3	8446.1	8905.1	9346.3	9762.3	10028.9
-55°	4988.1	5437.6	5875.8	6295.4	6717.0	7133.0	7543.0	7944.5	8325.2	8683.0	8888.6
-57.5°	4462.4	4853.9	5237.6	5598.8	5951.7	6294.6	6656.9	7021.7	7364.5	7671.9	7837.7
-60°	3950.1	4302.8	4632.1	4934.0	5236.7	5537.8	5843.0	6144.3	6437.7	6693.1	6835.7
-62.5°	3446.3	3747.6	4027.9	4287.7	4537.7	4786.4	5051.2	5305.3	5547.1	5744.1	5865.0
-65°	3004.9	3260.2	3470.0	3676.9	3882.2	4100.9	4320.9	4530.6	4729.2	4883.6	4985.4
-67.5°	2575.7	2785.7	2960.4	3132.0	3303.9	3477.7	3654.8	3826.5	3991.3	4116.1	4204.6
-70°	2167.7	2326.4	2463.2	2602.9	2745.3	2887.4	3029.7	3166.7	3297.6	3392.7	3463.9
-72.5°	1773.0	1895.6	2002.1	2110.7	2217.7	2327.8	2438.0	2543.9	2644.8	2712.9	2762.8
-75°	1385.8	1474.7	1560.1	1642.9	1722.7	1804.6	1885.7	1963.2	2036.5	2088.2	2129.3
-77.5°	1043.3	1106.5	1162.2	1216.8	1269.9	1326.8	1382.4	1434.9	1484.0	1519.8	1550.0
-80°	730.8	771.6	807.2	840.6	871.9	907.1	941.6	974.3	1004.8	1025.7	1042.4
-82.5°	453.6	477.5	498.9	518.5	536.4	554.9	572.0	587.6	601.5	617.9	633.1
-85°	235.3	245.2	254.3	262.7	270.4	277.9	284.8	290.8	296.1	299.1	301.2
-87.5°	91.5	93.8	95.9	97.8	99.6	102.0	104.2	106.3	108.3	110.1	111.7
-90°	5.2	4.8	4.4	3.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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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°	22.2	22.6	22.6	22.6	22.6	22.6	22.2	21.8	21.3	20.9	20.5
87.5°	11.7	10.4	9.5	8.7	9.5	10.4	11.7	12.9	14.1	15.3	13.0
85°	21.6	19.1	17.4	15.7	17.4	19.1	21.6	24.0	26.4	28.6	26.5
82.5°	23.5	22.6	22.6	22.6	22.6	22.6	23.5	24.4	25.4	26.5	27.9
80°	28.5	27.7	28.7	29.6	28.7	27.7	28.5	29.3	30.0	30.9	33.8
77.5°	30.5	29.6	29.6	29.6	29.6	29.6	30.5	31.3	32.1	33.5	38.2
75°	29.7	29.6	28.7	27.8	28.7	29.6	29.7	29.8	30.0	31.4	37.0
72.5°	25.2	24.6	24.4	24.4	24.4	24.6	25.2	25.8	26.4	28.0	32.2
70°	23.5	24.3	23.6	22.6	23.6	24.3	23.5	22.8	22.4	23.1	26.1
67.5°	19.4	19.3	19.1	19.1	19.1	19.3	19.4	19.6	19.6	20.1	21.4
65°	16.5	15.9	15.7	15.7	15.7	15.9	16.5	17.1	17.7	18.3	19.0
62.5°	14.7	14.1	13.9	13.9	13.9	14.1	14.7	15.3	16.0	16.9	17.8
60°	16.7	15.9	14.9	13.9	14.9	15.9	16.7	17.3	17.9	18.1	18.4
57.5°	17.9	17.5	17.4	17.4	17.4	17.5	17.9	18.4	19.0	19.8	20.4
55°	19.6	19.2	19.1	19.1	19.1	19.2	19.6	20.0	20.3	21.0	21.7
52.5°	23.5	22.8	21.9	20.9	21.9	22.8	23.5	24.0	24.3	25.1	24.9
50°	37.2	35.4	34.6	34.8	34.6	35.4	37.2	37.9	38.1	37.9	35.7
47.5°	68.7	68.7	68.4	67.9	68.4	68.7	68.7	67.4	67.6	66.9	61.7
45°	116.9	112.2	107.7	106.1	107.7	112.2	116.9	117.5	119.5	118.2	111.1
42.5°	205.5	204.4	200.8	196.6	200.8	204.4	205.5	201.5	207.5	202.0	189.7
40°	357.0	352.2	343.9	346.2	343.9	352.2	357.0	353.0	368.3	348.8	350.4
37.5°	743.5	707.8	653.8	654.2	653.8	707.8	743.5	767.0	779.5	636.5	757.2
35°	1740.4	1769.6	1735.0	1734.6	1735.0	1769.6	1740.4	1751.0	1754.1	1637.0	1725.9
32.5°	3330.6	3282.2	3086.0	2983.8	3086.0	3282.2	3330.6	3435.4	3354.6	3275.5	3294.8
30°	6274.5	6305.7	6011.7	6018.1	6011.7	6305.7	6274.5	6281.6	5888.3	5927.3	5692.4
27.5°	10736.6	10975.5	10912.7	10807.9	10912.7	10975.5	10736.6	10517.3	9973.6	9747.3	9170.2
25°	16055.2	16235.0	16114.6	16041.4	16114.6	16235.0	16055.2	15624.0	14966.5	14319.5	13493.9
22.5°	22196.5	22447.0	22384.1	22066.5	22384.1	22447.0	22196.5	21474.8	20731.5	19515.7	18415.0
20°	28995.2	29424.2	29673.5	29513.0	29673.5	29424.2	28995.2	28019.0	26833.7	25264.4	23578.3
17.5°	35637.3	36190.7	36614.9	36757.7	36614.9	36190.7	35637.3	34370.0	32585.7	30584.9	28439.9
15°	41222.6	42013.9	42571.2	42768.9	42571.2	42013.9	41222.6	39734.8	37531.0	35177.8	32528.1
12.5°	45230.8	46260.7	46914.4	47110.7	46914.4	46260.7	45230.8	43488.3	41420.5	38656.2	35844.9
10°	47435.0	48733.2	49477.2	49787.4	49477.2	48733.2	47435.0	45885.1	43663.6	40995.0	37842.9
7.5°	48666.4	49839.0	50542.0	50646.1	50542.0	49839.0	48666.4	46849.9	44809.8	42061.5	38888.7
5°	49066.0	50131.4	50711.6	50765.2	50711.6	50131.4	49066.0	47312.4	45189.9	42479.2	39157.0
2.5°	49241.1	50141.4	50569.3	50459.9	50569.3	50141.4	49241.1	47553.4	45487.2	42872.5	39659.8
0°	49151.5	49956.2	50410.3	50478.1	50410.3	49956.2	49151.5	47755.3	45663.9	43116.8	39844.2
-2.5°	48421.6	49020.9	49342.9	49135.9	49342.9	49020.9	48421.6	47152.5	45125.0	42545.0	39445.1
-5°	46757.4	47188.5	47323.1	47398.6	47323.1	47188.5	46757.4	45721.8	43856.7	41277.3	38363.4
-7.5°	44352.2	44704.0	44836.8	44743.7	44836.8	44704.0	44352.2	43287.7	41511.3	39234.0	36333.6
-10°	41181.9	41504.3	41616.9	41552.7	41616.9	41504.3	41181.9	40237.7	38527.6	36389.3	33833.8
-12.5°	37972.7	38354.8	38442.5	38447.9	38442.5	38354.8	37972.7	37044.4	35495.3	33571.7	31214.7
-15°	34818.0	35254.8	35388.3	35505.0	35388.3	35254.8	34818.0	33925.3	32559.5	30767.8	28645.1
-17.5°	31718.0	32152.0	32264.7	32112.3	32264.7	32152.0	31718.0	30861.7	29655.2	28046.2	26109.1
-20°	29170.0	29395.0	29635.0	29633.0	29635.0	29395.0	29170.0	28494.3	27294.7	25829.6	24108.3



REPORT NUMBER: P731566 (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°	27065.5	27437.4	27641.8	27787.1	27641.8	27437.4	27065.5	26501.8	25360.8	23969.0	22411.1
-25°	25091.8	25407.6	25534.6	25631.4	25534.6	25407.6	25091.8	24494.7	23518.4	22258.1	20780.3
-27.5°	23571.3	23891.7	24073.0	24180.4	24073.0	23891.7	23571.3	22970.5	22118.6	20906.7	19576.9
-30°	22358.6	22673.6	22889.5	23025.1	22889.5	22673.6	22358.6	21691.4	20872.7	19773.8	18553.7
-32.5°	21052.0	21381.3	21606.5	21746.3	21606.5	21381.3	21052.0	20416.6	19615.0	18653.5	17523.1
-35°	19694.2	20023.7	20266.6	20380.5	20266.6	20023.7	19694.2	19147.7	18365.1	17487.3	16475.8
-37.5°	18375.1	18682.6	18897.3	18981.7	18897.3	18682.6	18375.1	17902.5	17156.4	16361.8	15432.8
-40°	17000.0	17290.2	17489.6	17567.2	17489.6	17290.2	17000.0	16616.2	15920.9	15169.4	14353.9
-42.5°	15613.5	15884.2	16068.4	16145.8	16068.4	15884.2	15613.5	15280.4	14664.0	13978.6	13251.9
-45°	14208.9	14449.7	14605.6	14665.2	14605.6	14449.7	14208.9	13910.3	13389.7	12751.0	12070.7
-47.5°	12826.5	13043.7	13177.7	13221.1	13177.7	13043.7	12826.5	12559.9	12129.8	11559.0	10958.1
-50°	11477.0	11654.8	11777.5	11846.6	11777.5	11654.8	11477.0	11253.2	10917.0	10431.6	9928.1
-52.5°	10228.8	10390.3	10486.5	10524.3	10486.5	10390.3	10228.8	10028.9	9762.3	9346.3	8905.1
-55°	9058.9	9198.7	9280.5	9313.4	9280.5	9198.7	9058.9	8888.6	8683.0	8325.2	7944.5
-57.5°	7978.5	8093.1	8170.2	8213.8	8170.2	8093.1	7978.5	7837.7	7671.9	7364.5	7021.7
-60°	6954.2	7048.1	7112.9	7150.8	7112.9	7048.1	6954.2	6835.7	6693.1	6437.7	6144.3
-62.5°	5965.4	6045.2	6097.6	6127.7	6097.6	6045.2	5965.4	5865.0	5744.1	5547.1	5305.3
-65°	5071.4	5141.4	5175.2	5188.2	5175.2	5141.4	5071.4	4985.4	4883.6	4729.2	4530.6
-67.5°	4280.5	4343.5	4366.3	4370.5	4366.3	4343.5	4280.5	4204.6	4116.1	3991.3	3826.5
-70°	3525.5	3576.8	3594.1	3596.3	3594.1	3576.8	3525.5	3463.9	3392.7	3297.6	3166.7
-72.5°	2804.0	2836.3	2861.3	2877.7	2861.3	2836.3	2804.0	2762.8	2712.9	2644.8	2543.9
-75°	2163.7	2191.4	2203.4	2207.9	2203.4	2191.4	2163.7	2129.3	2088.2	2036.5	1963.2
-77.5°	1575.8	1596.8	1601.7	1600.7	1601.7	1596.8	1575.8	1550.0	1519.8	1484.0	1434.9
-80°	1055.6	1065.4	1071.8	1075.2	1071.8	1065.4	1055.6	1042.4	1025.7	1004.8	974.3
-82.5°	646.7	658.7	646.4	631.6	646.4	658.7	646.7	633.1	617.9	601.5	587.6
-85°	302.5	303.1	304.1	304.5	304.1	303.1	302.5	301.2	299.1	296.1	290.8
-87.5°	113.2	114.4	113.9	113.1	113.9	114.4	113.2	111.7	110.1	108.3	106.3
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20.0	19.6	19.1	18.7	18.3	17.8	17.4	16.5	15.7	14.8	13.9
87.5°	10.9	8.7	6.7	7.4	8.1	8.8	9.5	9.0	8.5	8.1	7.7
85°	24.3	22.0	19.7	19.6	19.5	19.5	19.3	18.9	18.4	17.6	16.7
82.5°	29.0	29.8	30.4	32.8	34.6	35.9	36.5	36.3	35.5	34.2	32.1
80°	36.5	38.9	41.5	46.6	51.0	54.9	57.8	59.1	59.7	59.5	57.6
77.5°	42.7	46.9	51.5	58.9	65.8	72.2	77.6	80.7	82.3	83.0	80.6
75°	42.7	48.4	55.5	65.9	75.7	84.8	91.7	96.5	100.3	103.2	100.6
72.5°	37.0	42.4	51.1	64.1	77.9	89.5	99.0	106.9	113.9	119.8	115.7
70°	29.4	33.2	41.0	52.6	65.3	78.7	93.1	107.4	121.5	130.7	124.1
67.5°	23.2	25.4	31.7	41.0	51.9	64.1	78.6	95.1	111.1	126.0	123.0
65°	19.7	20.5	24.3	31.0	39.2	49.2	61.4	75.9	92.8	109.9	110.4
62.5°	18.5	19.1	21.4	25.0	29.7	36.0	45.3	58.0	72.6	84.3	88.5
60°	18.8	19.4	21.0	22.8	24.8	28.0	35.3	43.8	53.8	63.7	68.8
57.5°	20.8	21.2	21.9	22.9	24.1	27.0	30.7	34.7	42.9	48.6	53.0
55°	22.3	22.9	23.4	23.9	24.6	27.1	29.9	33.4	37.1	38.8	44.2
52.5°	24.2	25.7	26.3	25.9	26.8	28.8	30.0	33.0	36.0	38.1	39.4
50°	34.2	36.0	34.8	31.8	34.7	34.2	33.9	34.6	38.1	40.1	40.0
47.5°	61.3	61.8	56.0	52.2	55.4	51.3	48.1	45.3	50.7	45.6	45.0
45°	115.4	112.8	99.3	100.8	97.0	90.5	76.7	83.9	77.6	69.5	53.4
42.5°	202.3	198.2	184.2	192.1	178.4	161.1	153.4	161.3	135.1	109.7	115.6
40°	367.2	320.3	347.3	359.6	324.3	273.2	343.6	295.2	251.5	180.9	238.1
37.5°	766.4	624.7	751.7	755.3	654.4	602.0	678.3	611.4	427.0	451.5	459.5
35°	1644.7	1566.1	1537.7	1483.1	1294.4	1357.3	1216.4	1076.0	924.1	874.0	790.9
32.5°	2978.4	3061.9	2864.6	2622.6	2599.6	2470.4	2178.1	1754.5	1756.1	1583.3	1293.7
30°	5295.3	5183.2	4829.7	4428.1	4419.9	4090.1	3438.6	3155.3	2893.7	2501.2	1949.3
27.5°	8778.8	8003.2	7445.8	7132.8	6669.4	6126.3	5486.2	4824.0	4265.2	3667.0	2924.4
25°	12885.1	11919.6	10921.4	10259.0	9452.5	8595.1	7799.8	6871.1	5936.4	4998.1	4057.1
22.5°	17290.2	16117.5	14899.6	13667.8	12461.4	11361.3	10306.2	9074.6	7649.3	6332.1	5243.8
20°	21814.8	20213.0	18744.3	17035.4	15400.3	14061.2	12868.7	11172.5	9269.6	7668.7	6399.4
17.5°	26114.2	24072.2	22003.2	19880.9	18112.1	16661.4	14816.0	12832.8	10782.9	8925.8	7503.3
15°	29983.2	27174.4	24710.9	22475.2	20340.2	18237.6	16303.0	14341.7	12197.4	10189.1	8511.7
12.5°	32662.3	29718.5	27073.6	24253.7	21763.7	19563.2	17599.2	15632.6	13381.6	11025.9	9074.4
10°	34625.8	31435.5	28347.5	25471.9	22968.3	20737.6	18555.9	16320.7	13887.6	11527.3	9541.9
7.5°	35529.8	32342.8	29305.4	26349.0	23734.6	21400.6	19083.6	16756.9	14249.3	11874.7	9917.5
5°	35951.2	32898.2	29881.0	26800.6	24175.8	21868.8	19513.2	17088.2	14469.7	12083.9	10205.3
2.5°	36336.5	33197.5	30166.9	26992.4	24436.8	22186.4	19888.1	17422.7	14743.7	12301.7	10389.5
0°	36592.4	33504.2	30436.9	27117.2	24584.0	22383.1	20213.5	17720.3	14981.8	12453.8	10500.0
-2.5°	36152.2	33046.5	30029.2	26863.4	24274.0	22105.4	19978.0	17596.9	14935.6	12453.7	10504.5
-5°	35191.6	32127.3	29171.9	26149.9	23566.8	21413.4	19364.2	17139.7	14664.8	12318.1	10441.4
-7.5°	33393.5	30654.8	27972.5	25160.4	22617.8	20472.7	18466.7	16351.0	14069.1	11870.1	10069.4
-10°	31100.6	28584.2	26078.8	23588.8	21352.6	19378.3	17469.0	15489.7	13378.4	11333.5	9637.3
-12.5°	28820.7	26421.0	24034.8	21748.9	19798.4	17980.5	16284.5	14543.1	12606.0	10711.1	9151.6
-15°	26358.8	24194.2	22088.6	20051.8	18165.2	16505.0	15005.2	13450.5	11731.9	10036.9	8617.2
-17.5°	24218.5	22065.7	20134.8	18488.9	16773.6	15086.1	13743.1	12381.3	10915.6	9451.8	8159.2
-20°	22325.8	20500.5	18623.2	17050.9	15585.4	14118.1	12673.2	11379.5	10158.3	8920.6	7763.6



REPORT NUMBER: P731566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	20790.5	19138.5	17481.9	15883.5	14497.3	13245.2	11975.7	10689.6	9451.2	8376.4	7380.8
-25°	19425.7	17866.0	16412.9	15063.1	13655.6	12415.7	11341.5	10202.0	9020.9	7895.3	7027.3
-27.5°	18284.1	16863.4	15553.7	14332.9	13066.9	11850.2	10787.1	9732.9	8636.7	7625.6	6734.4
-30°	17304.1	16069.4	14857.6	13707.9	12549.8	11405.6	10304.3	9304.0	8287.1	7333.8	6490.6
-32.5°	16374.3	15228.9	14125.1	13076.9	11999.1	10926.0	9892.9	8870.4	7892.1	7037.9	6255.6
-35°	15400.5	14337.4	13350.1	12379.2	11411.3	10414.2	9425.1	8423.4	7511.4	6709.9	5983.7
-37.5°	14444.8	13460.1	12547.2	11647.2	10766.1	9856.2	8903.2	7990.2	7127.6	6363.8	5676.4
-40°	13469.2	12578.6	11723.7	10898.6	10076.2	9252.0	8383.7	7535.8	6745.3	5983.7	5338.3
-42.5°	12447.4	11651.9	10880.9	10119.7	9354.2	8604.0	7843.9	7078.2	6336.0	5627.4	4979.9
-45°	11391.6	10702.8	10010.6	9315.6	8614.3	7951.6	7299.3	6598.3	5909.0	5249.8	4610.2
-47.5°	10370.2	9768.1	9136.3	8513.4	7910.5	7308.9	6720.2	6097.8	5465.6	4848.2	4280.1
-50°	9410.7	8862.1	8306.4	7755.8	7224.6	6680.8	6135.8	5588.3	5006.4	4454.9	3936.3
-52.5°	8446.1	7981.3	7507.6	7029.9	6549.5	6051.1	5547.1	5059.4	4546.0	4062.8	3603.8
-55°	7543.0	7133.0	6717.0	6295.4	5875.8	5437.6	4988.1	4544.8	4113.0	3674.9	3280.3
-57.5°	6656.9	6294.6	5951.7	5598.8	5237.6	4853.9	4462.4	4066.5	3685.5	3311.0	2954.4
-60°	5843.0	5537.8	5236.7	4934.0	4632.1	4302.8	3950.1	3602.7	3262.1	2950.9	2648.2
-62.5°	5051.2	4786.4	4537.7	4287.7	4027.9	3747.6	3446.3	3163.9	2879.7	2600.2	2354.9
-65°	4320.9	4100.9	3882.2	3676.9	3470.0	3260.2	3004.9	2755.1	2515.8	2285.5	2070.9
-67.5°	3654.8	3477.7	3303.9	3132.0	2960.4	2785.7	2575.7	2363.6	2167.1	1980.5	1798.2
-70°	3029.7	2887.4	2745.3	2602.9	2463.2	2326.4	2167.7	2000.4	1837.1	1678.4	1519.5
-72.5°	2438.0	2327.8	2217.7	2110.7	2002.1	1895.6	1773.0	1636.0	1500.3	1366.7	1237.6
-75°	1885.7	1804.6	1722.7	1642.9	1560.1	1474.7	1385.8	1283.7	1180.9	1077.9	975.7
-77.5°	1382.4	1326.8	1269.9	1216.8	1162.2	1106.5	1043.3	961.9	885.0	809.0	735.0
-80°	941.6	907.1	871.9	840.6	807.2	771.6	730.8	672.9	615.5	562.3	514.0
-82.5°	572.0	554.9	536.4	518.5	498.9	477.5	453.6	419.9	386.7	354.2	322.5
-85°	284.8	277.9	270.4	262.7	254.3	245.2	235.3	221.0	206.2	190.8	175.1
-87.5°	104.2	102.0	99.6	97.8	95.9	93.8	91.5	86.2	81.0	75.7	70.5
-90°	3.5	3.5	3.5	3.9	4.4	4.8	5.2	5.2	5.2	5.2	5.2



REPORT NUMBER: P731566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.5	13.1	12.6	12.2	12.2	12.2	12.2	12.2	11.8	11.3	10.9
87.5°	9.0	10.3	11.3	12.2	11.5	10.9	10.2	9.6	10.0	10.3	10.5
85°	17.0	17.6	18.3	19.2	18.1	16.5	15.3	14.1	14.4	14.5	14.4
82.5°	29.1	27.6	26.8	26.3	26.1	25.3	23.8	21.7	19.6	18.7	18.4
80°	51.6	46.2	41.3	37.2	34.9	34.1	33.2	30.9	26.2	23.0	21.3
77.5°	72.4	64.9	58.0	51.2	45.1	41.0	38.9	37.9	32.5	27.1	23.5
75°	91.3	81.5	72.2	63.2	54.4	47.2	42.3	39.0	34.8	30.6	25.5
72.5°	104.1	93.4	83.9	74.0	62.6	53.1	45.5	40.1	35.7	31.4	27.1
70°	112.9	102.6	91.7	80.4	69.1	58.2	48.7	42.2	36.6	32.2	27.7
67.5°	118.3	106.6	96.0	85.7	74.1	62.6	51.5	44.4	38.7	32.9	28.3
65°	106.4	102.6	98.3	87.3	77.0	66.5	54.8	46.9	40.6	34.6	28.9
62.5°	91.0	91.0	88.4	85.8	77.7	67.6	58.0	50.0	42.6	36.3	30.0
60°	72.0	75.3	77.8	77.2	74.4	67.5	59.2	52.8	45.0	37.8	31.4
57.5°	58.2	60.4	65.4	68.3	67.5	64.3	59.8	54.2	47.1	39.5	32.8
55°	47.6	51.7	55.7	59.2	60.8	59.0	59.5	55.0	48.7	41.0	34.3
52.5°	42.1	46.2	50.3	52.7	54.5	55.4	58.0	55.9	49.6	42.3	36.1
50°	40.5	44.8	47.8	49.7	49.8	54.0	57.5	56.2	50.5	43.3	37.9
47.5°	46.7	50.2	49.1	48.9	48.8	54.1	58.2	57.2	51.4	44.2	40.0
45°	69.4	63.6	57.1	52.2	52.4	57.9	60.1	58.9	53.2	46.7	42.2
42.5°	109.9	98.8	75.6	57.1	67.0	64.2	63.2	61.9	55.7	49.6	44.7
40°	222.5	155.7	107.6	99.7	92.1	72.7	70.2	65.8	59.0	53.3	47.5
37.5°	379.3	274.8	174.3	178.0	137.2	103.4	78.8	70.6	64.7	58.0	50.6
35°	651.3	458.6	363.4	323.4	232.4	141.3	88.7	77.4	71.6	63.0	53.8
32.5°	987.7	805.7	711.3	544.8	351.4	186.1	116.1	90.3	79.4	68.2	57.3
30°	1556.1	1405.5	1140.1	816.5	519.3	296.6	164.1	105.1	87.9	73.6	61.0
27.5°	2413.4	2113.0	1662.3	1208.9	778.5	430.8	235.0	121.6	97.2	79.8	65.4
25°	3346.9	2914.8	2342.3	1675.6	1070.3	643.9	321.6	141.6	109.6	87.2	69.8
22.5°	4378.1	3743.5	3092.8	2185.8	1394.2	891.5	459.5	207.8	124.0	94.9	74.2
20°	5366.2	4587.0	3843.3	2586.2	1740.1	1179.6	651.8	281.9	139.1	102.9	78.6
17.5°	6325.8	5279.5	4249.0	3022.4	2079.2	1451.7	859.5	362.2	154.7	110.9	83.0
15°	6980.2	5742.2	4628.7	3411.9	2382.2	1707.5	1078.0	446.6	170.6	118.9	89.5
12.5°	7481.6	6161.3	4991.3	3755.0	2650.6	1947.0	1302.1	533.1	186.4	131.4	99.0
10°	7912.2	6536.1	5331.4	4052.3	2886.6	2170.1	1526.1	614.7	210.8	147.5	108.5
7.5°	8273.7	6865.7	5643.3	4304.8	3079.4	2317.4	1663.5	681.0	236.1	163.5	117.9
5°	8555.7	7109.8	5889.9	4476.8	3179.7	2383.6	1767.3	738.8	260.6	179.2	127.1
2.5°	8723.7	7242.5	6076.3	4604.7	3259.8	2432.4	1848.1	787.6	284.1	194.4	135.9
0°	8833.2	7328.2	6216.5	4692.4	3317.9	2465.4	1905.1	826.4	306.2	208.8	144.4
-2.5°	8874.9	7341.0	6236.7	4804.2	3436.1	2567.3	1960.5	934.3	409.6	279.7	189.9
-5°	8851.9	7314.7	6216.0	4874.7	3529.4	2652.1	1995.3	1031.6	509.7	348.5	234.1
-7.5°	8575.2	7160.4	6108.6	4885.3	3596.7	2717.0	2013.4	1118.2	605.0	414.1	276.6
-10°	8205.7	6912.3	5885.6	4738.2	3589.5	2756.1	2022.9	1194.4	694.2	475.6	316.5
-12.5°	7796.0	6631.9	5643.5	4577.7	3557.0	2777.3	2049.5	1265.4	775.7	532.1	353.4
-15°	7352.5	6321.3	5388.9	4412.0	3511.9	2788.1	2063.9	1326.3	849.4	585.5	386.6
-17.5°	6916.2	5982.7	5128.1	4248.8	3456.8	2790.0	2068.0	1373.3	914.5	637.1	422.1
-20°	6679.1	5736.7	4871.8	4095.2	3394.4	2784.8	2063.4	1406.1	970.3	682.6	458.3



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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°	6442.5	5575.5	4748.8	3986.3	3341.8	2773.9	2052.0	1424.2	1016.1	721.4	489.9
-25°	6193.6	5406.0	4629.6	3909.1	3306.6	2734.1	2046.3	1427.3	1051.2	753.3	516.4
-27.5°	5973.5	5234.8	4491.8	3802.2	3237.5	2692.0	2037.4	1461.1	1078.9	777.8	537.5
-30°	5767.2	5061.8	4346.0	3676.9	3143.6	2590.2	2010.5	1482.5	1103.5	798.7	552.9
-32.5°	5554.2	4872.1	4170.5	3554.5	3018.8	2474.8	1934.9	1489.0	1118.2	814.4	566.1
-35°	5305.8	4642.2	3965.4	3402.7	2878.8	2355.7	1850.2	1480.2	1122.6	822.2	574.5
-37.5°	5023.8	4373.0	3771.7	3231.6	2728.9	2227.7	1788.6	1436.5	1116.7	821.9	576.8
-40°	4712.0	4104.0	3549.6	3058.0	2576.9	2091.4	1715.2	1390.3	1106.3	813.4	572.8
-42.5°	4384.0	3841.4	3337.5	2873.9	2419.3	1996.4	1633.1	1335.4	1068.6	800.5	562.6
-45°	4077.4	3574.2	3117.7	2687.0	2261.6	1889.7	1562.3	1273.5	1021.2	781.3	548.6
-47.5°	3761.1	3316.1	2895.2	2489.5	2127.9	1778.3	1481.7	1211.9	967.2	753.5	532.5
-50°	3462.8	3056.5	2671.3	2311.6	1975.4	1677.2	1394.5	1142.6	913.1	706.9	511.0
-52.5°	3182.1	2805.7	2459.5	2133.0	1840.3	1565.8	1306.9	1066.4	852.9	661.5	484.3
-55°	2903.3	2566.8	2252.7	1967.9	1702.4	1452.6	1210.9	989.9	786.8	613.9	453.3
-57.5°	2635.1	2330.1	2063.0	1807.0	1561.2	1330.8	1112.2	906.7	722.6	561.8	423.4
-60°	2365.3	2118.2	1877.6	1639.8	1413.7	1205.0	1009.1	820.4	655.2	507.3	385.7
-62.5°	2120.9	1899.4	1681.6	1463.9	1263.5	1076.8	901.0	735.0	582.9	456.4	343.8
-65°	1870.5	1671.8	1476.3	1289.8	1111.5	945.3	793.9	644.0	515.8	402.4	302.6
-67.5°	1617.0	1443.6	1277.6	1112.1	960.7	817.8	681.0	559.2	447.7	345.5	266.9
-70°	1363.9	1214.1	1078.2	944.5	812.4	687.8	579.3	475.2	376.5	299.3	229.6
-72.5°	1116.3	999.4	887.4	775.1	669.6	570.0	476.8	391.6	318.4	251.4	190.7
-75°	877.0	789.3	705.0	619.3	531.3	449.8	383.6	320.8	258.6	201.8	156.8
-77.5°	664.3	594.9	527.2	467.6	407.0	350.2	297.6	247.8	200.1	159.9	124.2
-80°	468.0	422.9	379.1	335.8	290.6	248.7	215.4	183.0	148.7	117.9	90.7
-82.5°	291.1	265.5	241.5	217.4	191.4	166.4	142.7	120.0	96.2	75.0	62.3
-85°	159.8	144.4	129.0	113.6	98.1	83.4	76.3	69.3	60.9	52.8	45.3
-87.5°	66.7	62.8	58.9	55.1	51.4	47.8	44.3	40.8	36.4	32.1	28.1
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.7	6.1	6.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	10.0	9.6	9.1	8.7	7.9	7.0
87.5°	10.6	10.1	9.7	9.4	9.3	8.1	7.0
85°	14.2	12.7	11.5	10.5	9.9	8.4	7.0
82.5°	17.7	15.3	13.3	11.7	10.5	8.6	7.0
80°	20.9	17.8	15.0	12.8	11.1	8.9	7.0
77.5°	21.7	19.6	16.8	13.9	11.7	9.1	7.0
75°	22.4	19.9	18.1	14.9	12.2	9.4	7.0
72.5°	23.0	20.2	18.2	16.0	12.8	9.6	7.0
70°	23.6	20.5	18.2	16.8	13.3	9.9	7.0
67.5°	24.3	20.6	18.1	16.6	13.8	10.1	7.0
65°	25.0	21.0	18.1	16.4	14.3	10.3	7.0
62.5°	25.7	21.7	17.9	16.2	14.8	10.5	7.0
60°	26.4	22.4	17.8	16.0	15.2	10.7	7.0
57.5°	27.7	23.1	18.3	15.7	15.1	10.9	7.0
55°	29.1	23.8	19.0	15.4	14.9	11.1	7.0
52.5°	30.4	24.6	19.5	15.1	14.8	11.3	7.0
50°	31.7	25.7	20.1	14.8	14.7	11.4	7.0
47.5°	33.1	26.8	20.7	14.6	14.6	11.6	7.0
45°	35.1	27.8	21.2	15.0	14.6	11.7	7.0
42.5°	37.1	28.8	21.8	15.4	14.5	11.9	7.0
40°	39.2	29.7	22.4	16.1	14.5	12.0	7.0
37.5°	41.4	30.6	23.1	16.9	14.5	12.1	7.0
35°	43.7	32.0	23.8	17.8	14.5	12.2	7.0
32.5°	46.1	33.8	24.4	18.6	14.5	12.3	7.0
30°	48.7	35.4	24.9	19.5	14.6	12.3	7.0
27.5°	51.5	37.1	26.7	20.4	14.6	12.4	7.0
25°	54.3	38.7	28.7	21.4	14.7	12.4	7.0
22.5°	57.1	41.1	30.8	22.3	14.8	12.4	7.0
20°	59.8	45.6	33.0	23.2	14.9	12.5	7.0
17.5°	65.0	50.1	35.3	24.2	15.0	12.5	7.0
15°	71.5	54.6	37.6	25.1	15.1	12.5	7.0
12.5°	78.0	59.1	39.9	25.9	15.2	12.5	7.0
10°	84.3	63.6	42.1	26.8	15.3	12.4	7.0
7.5°	90.6	68.0	44.4	27.6	15.4	12.4	7.0
5°	96.6	72.2	46.5	28.3	15.5	12.3	7.0
2.5°	102.4	76.2	48.6	29.0	15.6	12.3	7.0
0°	107.9	80.0	50.5	29.6	15.7	12.2	7.0
-2.5°	134.9	95.6	58.7	33.2	16.9	12.4	7.0
-5°	161.3	110.8	66.6	36.7	18.1	12.6	7.0
-7.5°	186.7	125.3	74.2	40.1	19.2	12.8	7.0
-10°	210.7	139.0	81.3	43.2	20.3	13.0	7.0
-12.5°	233.1	151.6	87.9	46.1	21.4	13.2	7.0
-15°	253.4	163.1	93.9	48.8	22.4	13.3	7.0
-17.5°	271.6	173.2	99.3	51.1	23.3	13.5	7.0
-20°	291.4	181.8	103.8	53.2	24.1	13.6	7.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	315.1	188.7	107.5	54.8	24.8	13.7	7.0
-25°	335.2	199.4	110.3	56.1	25.4	13.7	7.0
-27.5°	351.7	210.1	112.2	57.0	25.9	13.8	7.0
-30°	364.1	218.5	113.5	57.5	26.3	13.8	7.0
-32.5°	372.4	224.4	117.8	57.5	26.6	13.8	7.0
-35°	378.3	227.6	120.6	57.0	26.8	13.8	7.0
-37.5°	381.1	229.2	121.8	56.1	26.8	13.7	7.0
-40°	380.0	230.0	121.5	54.7	26.7	13.7	7.0
-42.5°	374.9	228.4	120.9	53.4	26.5	13.6	7.0
-45°	365.9	224.2	120.2	52.8	26.1	13.5	7.0
-47.5°	352.8	217.5	118.1	51.4	25.6	13.3	7.0
-50°	339.9	208.3	114.8	51.0	25.0	13.1	7.0
-52.5°	324.1	196.8	110.2	50.4	24.2	12.9	7.0
-55°	304.9	187.0	104.3	49.3	23.3	12.7	7.0
-57.5°	282.4	176.2	97.3	47.7	22.3	12.5	7.0
-60°	257.6	163.5	89.2	45.5	21.2	12.2	7.0
-62.5°	237.0	149.2	83.7	42.8	20.4	11.9	7.0
-65°	214.1	133.2	77.2	39.7	19.6	11.6	7.0
-67.5°	189.0	118.3	69.9	36.1	18.7	11.3	7.0
-70°	161.9	104.9	61.9	32.1	17.7	11.0	7.0
-72.5°	139.3	90.4	53.2	29.4	16.7	10.6	7.0
-75°	116.2	75.0	43.9	26.8	15.7	10.3	7.0
-77.5°	91.9	58.8	38.0	24.1	14.6	9.9	7.0
-80°	66.6	47.2	32.6	21.3	13.5	9.5	7.0
-82.5°	51.8	38.2	27.0	18.4	12.3	9.1	7.0
-85°	38.2	28.9	21.3	15.3	11.1	8.7	7.0
-87.5°	24.4	19.5	15.4	12.2	9.9	8.3	7.0
-90°	7.0	7.4	7.9	8.3	8.7	7.9	7.0

(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

