

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: P731568 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-7F-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731568 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
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-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

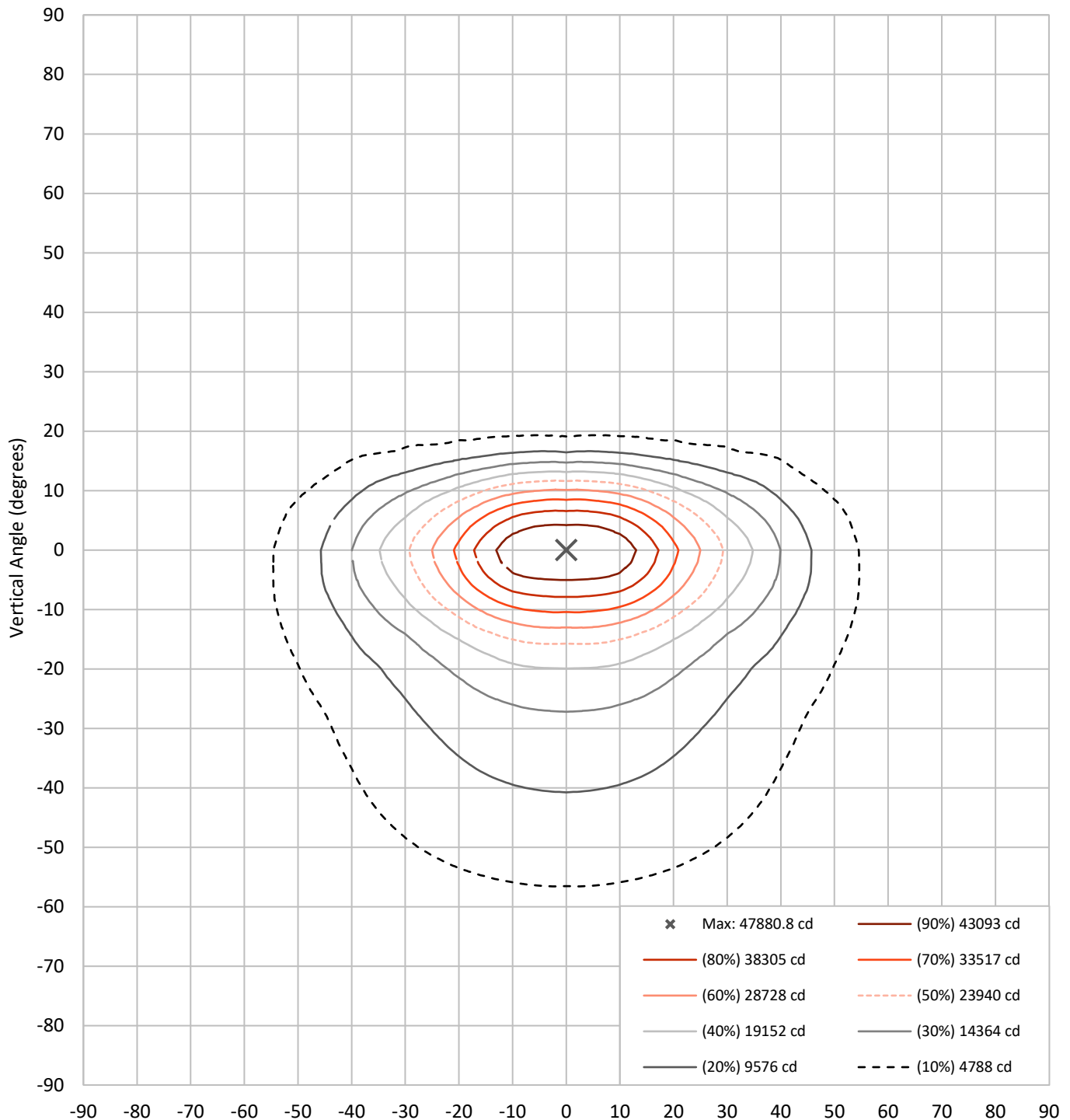
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	32217.3 lumens	Max Intensity:	47880.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	57.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	12718.1 lumens	Field Lumens:	28351.9 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

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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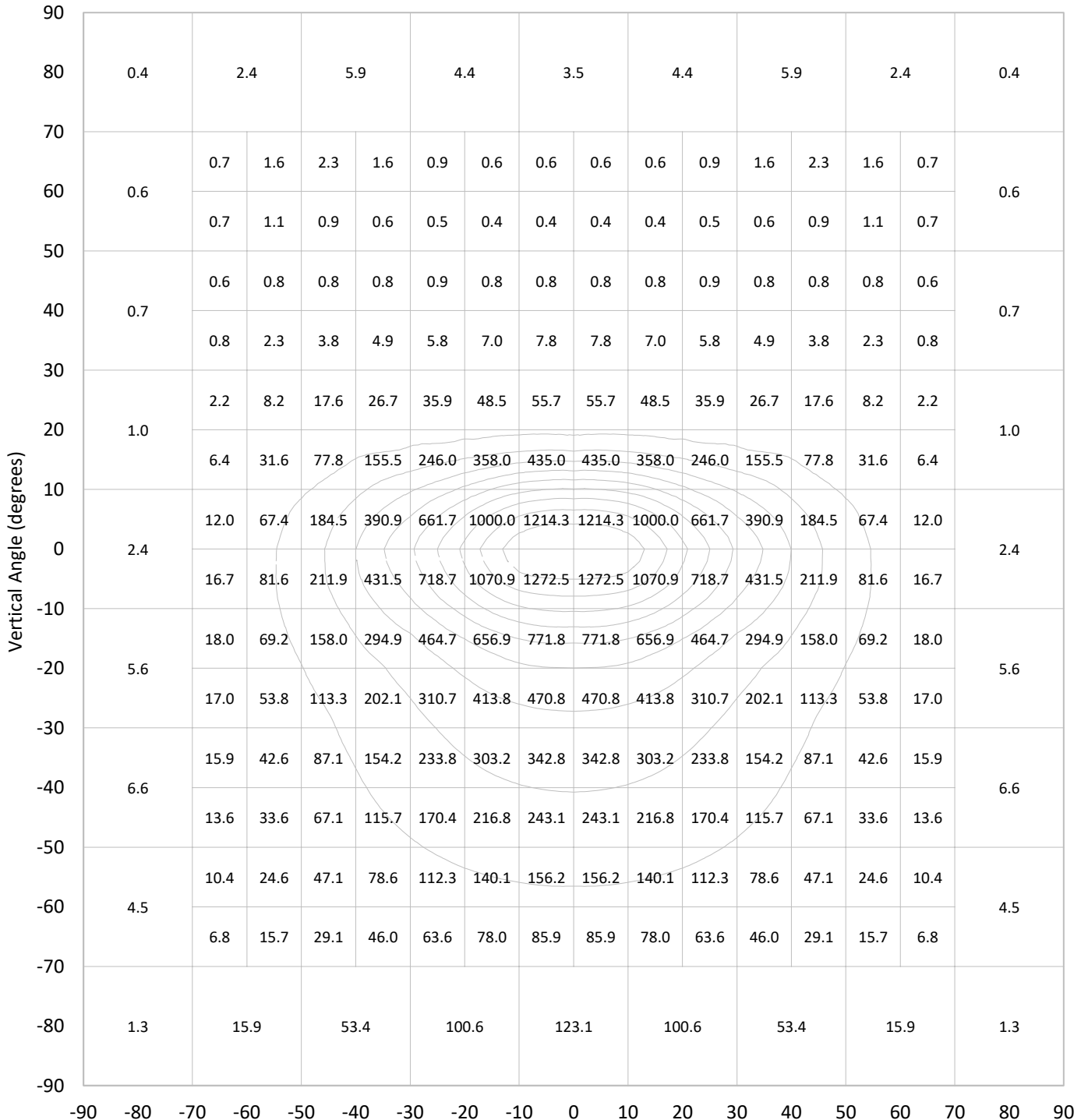
Iso-Candela Plot





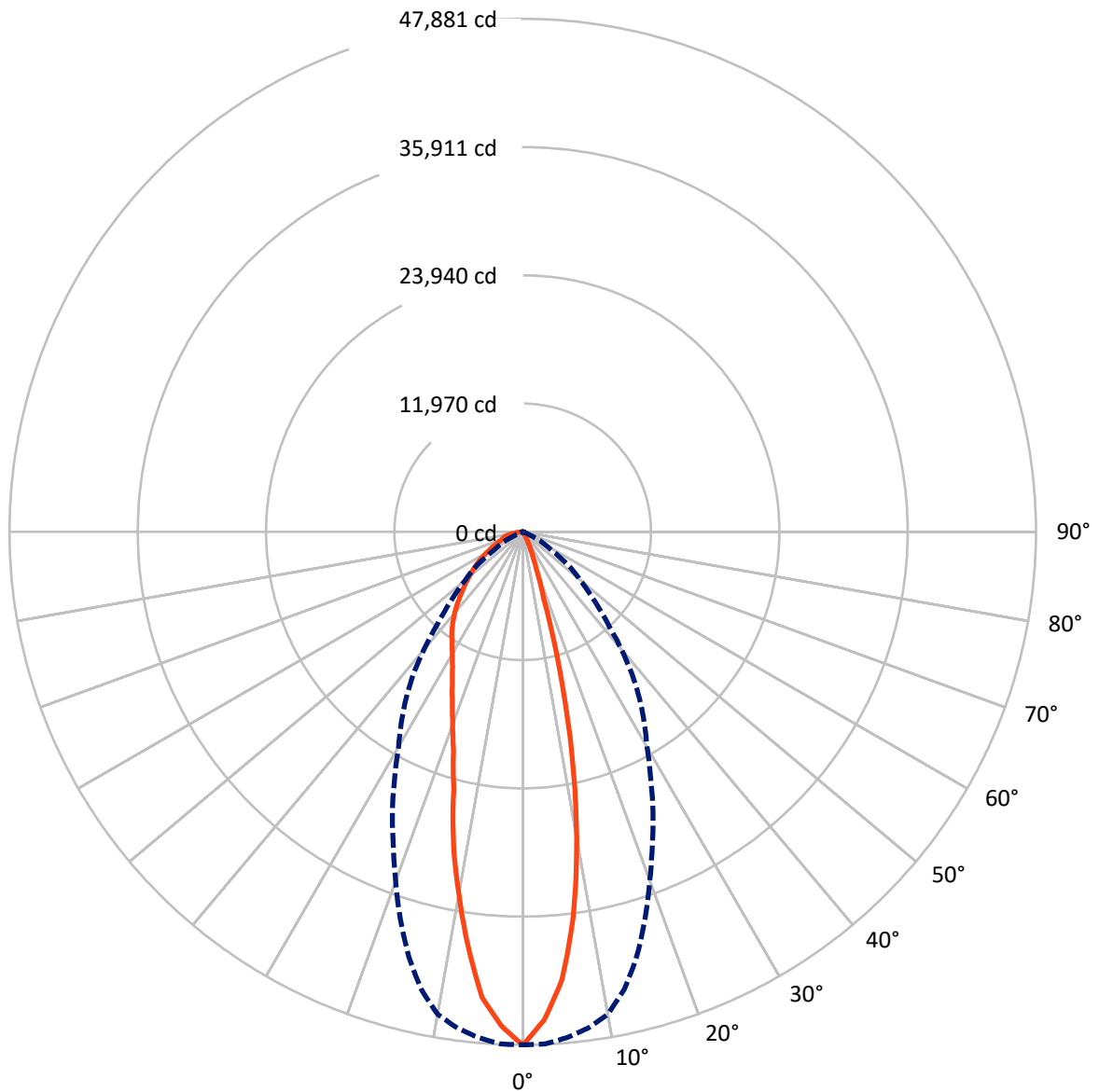
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Lumen Table



REPORT NUMBER: P731568 (CONVERTED FROM TYPE C PHOTOMETRY)
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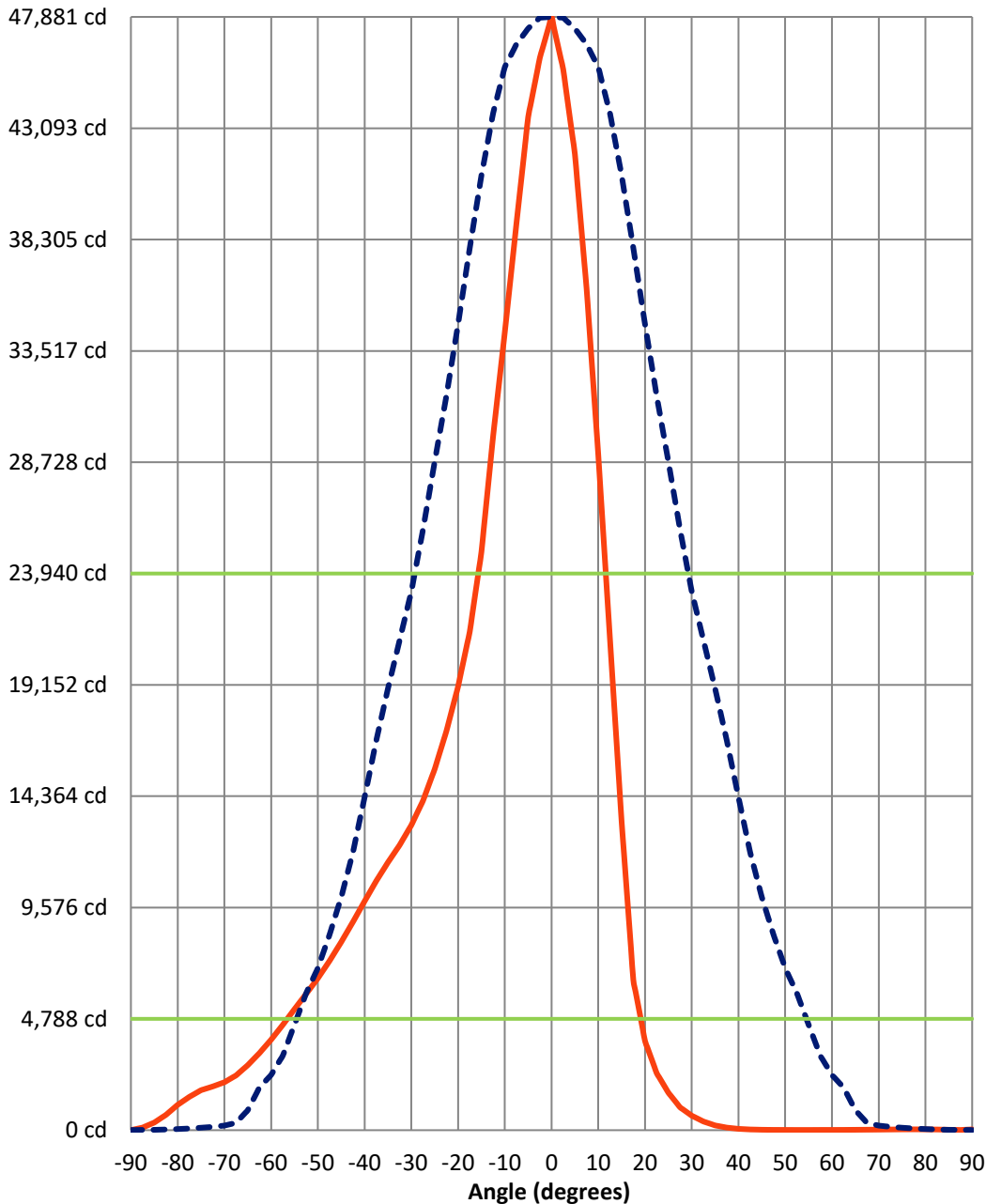
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 12718.1
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 28351.9
 Efficiency: 88.0%

Spill:
 Lumens: 3865.4
 Efficiency: 12.0%

- 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°	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	7.3	7.8	8.3	9.0	9.7	10.6	10.8	10.9	10.8	10.7
85°	7.0	7.6	8.5	9.6	10.9	12.4	14.2	14.6	14.7	14.7	14.4
82.5°	7.0	7.9	9.3	10.9	12.8	15.1	17.7	18.4	18.8	20.1	22.6
80°	7.0	8.2	10.0	12.2	14.8	17.8	21.0	21.9	24.2	28.0	33.3
77.5°	7.0	8.5	10.7	13.4	16.6	19.8	22.6	25.2	29.5	35.6	41.7
75°	7.0	8.8	11.4	14.6	18.2	20.6	24.1	28.2	34.1	39.1	44.2
72.5°	7.0	9.1	12.1	15.8	18.5	21.4	25.5	30.7	35.8	41.1	46.6
70°	7.0	9.3	12.8	16.8	18.7	22.1	26.8	31.9	37.3	42.9	48.3
67.5°	7.0	9.6	13.4	16.7	18.9	22.6	27.8	33.1	38.7	44.3	49.8
65°	7.0	9.9	14.1	16.6	19.0	23.4	28.9	34.1	39.9	45.6	51.8
62.5°	7.0	10.1	14.7	16.4	19.1	24.4	29.9	35.1	40.9	47.0	54.8
60°	7.0	10.4	15.2	16.2	19.0	25.3	30.9	35.9	41.9	49.2	57.5
57.5°	7.0	10.6	15.1	16.0	19.8	26.2	32.1	36.8	43.3	51.2	58.5
55°	7.0	10.8	14.9	15.7	20.6	27.1	33.3	38.0	44.7	52.6	58.7
52.5°	7.0	11.0	14.8	15.4	21.3	28.1	34.5	39.6	45.9	52.7	58.8
50°	7.0	11.2	14.7	15.0	22.0	29.3	35.8	41.2	46.6	52.6	55.9
47.5°	7.0	11.4	14.6	14.9	22.7	30.4	37.2	42.8	46.4	52.5	53.0
45°	7.0	11.6	14.6	15.4	23.4	31.6	38.6	44.5	47.5	50.4	50.6
42.5°	7.0	11.7	14.5	15.8	24.0	32.8	40.1	45.9	48.8	48.7	48.2
40°	7.0	11.8	14.5	16.6	24.8	34.1	41.5	47.2	50.0	47.5	46.2
37.5°	7.0	12.0	14.5	17.5	25.7	35.3	42.9	48.5	51.0	48.7	44.5
35°	7.0	12.1	14.5	18.4	26.6	36.4	44.3	50.0	52.3	50.8	44.7
32.5°	7.0	12.2	14.5	19.4	27.4	37.5	45.6	51.6	54.1	54.1	53.5
30°	7.0	12.3	14.6	20.3	28.2	38.5	46.8	53.2	56.3	58.5	64.5
27.5°	7.0	12.3	14.6	21.2	30.0	39.4	48.0	54.8	59.2	64.0	77.5
25°	7.0	12.4	14.7	22.2	31.9	40.3	49.2	56.7	63.4	73.2	93.8
22.5°	7.0	12.4	14.8	23.1	33.7	41.9	50.5	58.7	68.2	84.9	147.1
20°	7.0	12.4	14.9	24.0	35.6	45.2	51.7	60.9	73.4	97.5	208.0
17.5°	7.0	12.5	15.0	24.8	37.5	48.6	56.2	63.2	79.1	110.9	274.8
15°	7.0	12.5	15.1	25.6	39.3	52.1	62.9	69.5	85.0	124.7	345.8
12.5°	7.0	12.4	15.2	26.4	41.1	55.8	70.0	81.3	98.6	138.7	419.2
10°	7.0	12.4	15.3	27.2	42.8	59.4	77.3	93.5	118.5	171.8	501.2
7.5°	7.0	12.4	15.4	27.9	44.4	63.0	84.6	105.9	138.7	208.2	599.0
5°	7.0	12.3	15.5	28.5	46.0	66.5	92.0	118.4	159.0	244.6	692.9
2.5°	7.0	12.3	15.6	29.1	47.4	69.9	99.2	130.7	178.9	280.5	780.5
0°	7.0	12.2	15.7	29.6	48.7	73.1	106.1	142.7	198.3	314.9	859.5
-2.5°	7.0	12.5	16.9	33.2	56.9	89.0	133.8	188.4	267.7	410.6	956.2
-5°	7.0	12.7	18.1	36.7	64.9	104.4	160.8	233.0	335.2	503.0	1042.0
-7.5°	7.0	12.9	19.2	40.1	72.5	119.2	186.7	275.8	400.0	590.9	1117.0
-10°	7.0	13.2	20.4	43.2	79.7	133.2	211.1	316.2	461.0	673.3	1181.6
-12.5°	7.0	13.4	21.4	46.1	86.4	146.2	233.7	353.5	517.4	745.9	1207.8
-15°	7.0	13.6	22.4	48.8	92.4	158.0	254.2	387.3	563.4	790.0	1213.5
-17.5°	7.0	13.7	23.3	51.1	97.8	168.5	272.3	416.6	598.5	828.5	1213.7
-20°	7.0	13.9	24.2	53.2	102.5	177.5	289.3	442.0	629.5	861.0	1209.3



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.0	14.0	24.9	54.8	106.3	184.9	306.4	463.8	656.0	887.3	1201.3
-25°	7.0	14.1	25.6	56.1	109.3	194.3	321.0	481.7	677.9	907.1	1190.7
-27.5°	7.0	14.2	26.1	57.0	111.2	203.4	332.9	495.6	694.9	923.4	1207.0
-30°	7.0	14.2	26.6	57.5	112.6	210.6	342.1	505.3	708.5	939.6	1216.7
-32.5°	7.0	14.2	26.9	57.5	116.3	215.6	348.3	513.9	717.5	949.6	1218.0
-35°	7.0	14.2	27.2	57.0	118.6	218.4	353.1	519.6	720.8	953.2	1210.9
-37.5°	7.0	14.2	27.3	56.1	119.5	219.8	355.5	521.2	718.3	950.4	1171.3
-40°	7.0	14.1	27.2	54.7	119.0	220.2	354.6	518.7	709.9	941.6	1129.9
-42.5°	7.0	14.0	27.1	53.3	118.2	218.4	350.4	512.1	700.4	903.4	1082.6
-45°	7.0	13.9	26.8	52.4	117.1	214.3	343.0	502.2	687.9	857.8	1030.0
-47.5°	7.0	13.8	26.5	50.8	114.7	208.0	332.3	489.0	669.6	808.3	974.1
-50°	7.0	13.6	26.0	50.3	111.2	199.5	320.5	471.4	629.9	762.5	913.7
-52.5°	7.0	13.4	25.3	49.8	106.4	188.7	306.0	449.6	588.0	712.6	849.6
-55°	7.0	13.1	24.6	48.8	100.4	179.2	288.4	424.0	543.7	658.8	787.6
-57.5°	7.0	12.9	23.7	47.3	93.4	168.4	267.9	396.8	496.9	604.0	721.1
-60°	7.0	12.6	22.8	45.2	85.4	155.9	245.1	360.5	448.8	547.0	652.3
-62.5°	7.0	12.3	21.9	42.7	80.2	141.8	225.0	320.8	403.2	487.4	584.0
-65°	7.0	12.0	21.0	39.8	74.2	126.2	202.7	282.2	356.4	432.7	512.7
-67.5°	7.0	11.6	20.0	36.4	67.4	112.0	178.4	248.5	308.4	378.6	448.6
-70°	7.0	11.3	18.9	32.7	59.9	99.4	152.2	214.2	269.7	323.3	387.1
-72.5°	7.0	10.9	17.8	29.9	51.8	85.9	130.9	179.3	230.7	280.1	327.6
-75°	7.0	10.5	16.6	27.3	43.1	71.5	109.3	148.2	191.1	236.6	280.4
-77.5°	7.0	10.1	15.3	24.5	37.3	56.3	86.6	117.6	152.3	191.6	232.8
-80°	7.0	9.6	14.1	21.6	32.0	45.4	63.0	86.2	112.7	142.8	176.5
-82.5°	7.0	9.2	12.8	18.6	26.6	36.8	49.2	59.6	72.2	93.0	116.4
-85°	7.0	8.8	11.4	15.5	21.0	28.0	36.4	43.5	51.0	59.2	67.9
-87.5°	7.0	8.3	10.1	12.3	15.3	19.0	23.5	27.2	31.2	35.5	40.1
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



REPORT NUMBER: P731568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.6	13.1	13.5	13.9	15.2	16.5	17.8	19.1	21.3	23.5	25.6
87.5°	11.4	12.2	13.0	13.9	13.3	12.6	11.7	10.7	11.5	12.3	13.2
85°	15.8	17.4	19.6	21.4	21.3	21.4	21.7	22.3	23.8	25.0	26.0
82.5°	25.5	27.8	29.5	30.5	32.1	34.1	36.9	41.0	43.2	44.7	45.6
80°	36.5	38.4	39.9	42.8	48.0	53.9	60.5	67.5	69.8	70.1	69.4
77.5°	43.7	46.5	51.3	57.8	65.5	73.1	81.3	90.0	92.5	91.9	90.7
75°	48.4	54.1	61.2	70.1	79.5	89.2	99.4	108.8	111.5	108.7	105.0
72.5°	52.1	59.5	69.1	80.8	91.4	101.3	111.8	123.0	126.9	120.8	113.3
70°	54.7	64.1	75.6	87.9	100.0	110.7	120.6	131.4	137.5	127.2	112.2
67.5°	56.8	68.5	81.0	93.7	104.6	114.9	126.1	129.6	131.0	115.4	99.3
65°	60.0	72.5	84.0	95.1	106.9	110.3	112.7	115.1	112.6	94.8	77.2
62.5°	63.2	73.6	84.5	93.1	95.9	97.6	95.6	91.0	84.8	72.4	58.1
60°	64.2	73.3	80.4	83.0	83.8	80.2	74.7	69.1	62.5	52.3	42.5
57.5°	64.5	69.1	71.8	72.4	69.0	63.3	57.8	50.6	45.2	38.8	30.8
55°	63.0	62.0	63.3	61.1	56.3	50.2	43.8	38.9	32.5	28.7	24.0
52.5°	58.6	56.1	55.0	51.5	46.0	40.4	35.2	30.5	26.8	22.6	19.7
50°	54.7	51.4	47.8	43.5	39.4	35.6	29.8	26.5	23.3	20.1	17.4
47.5°	51.2	47.3	41.8	38.3	37.8	35.5	29.8	24.7	21.9	21.8	19.3
45°	48.0	44.7	38.4	39.1	40.3	40.1	36.1	24.2	26.9	27.4	26.0
42.5°	45.3	43.9	45.6	41.6	48.1	51.7	48.6	40.5	36.0	40.0	41.6
40°	45.6	44.9	60.2	59.8	60.7	70.1	74.7	68.9	53.1	62.9	67.4
37.5°	47.4	63.2	82.1	88.2	82.7	98.9	108.6	115.3	102.8	94.8	108.8
35°	50.3	86.0	114.1	127.3	128.0	137.3	162.6	173.0	164.7	152.0	163.2
32.5°	65.7	113.2	152.0	174.4	195.0	204.6	227.1	237.8	246.9	246.9	242.1
30°	98.4	149.2	196.0	226.6	276.2	321.3	311.5	313.8	347.1	381.0	397.4
27.5°	154.2	193.8	245.1	300.3	376.1	463.8	479.5	435.0	480.3	542.9	598.4
25°	224.4	328.5	297.4	388.2	514.3	636.0	700.6	731.5	669.6	760.7	892.1
22.5°	321.4	499.3	500.9	484.0	669.7	839.8	999.1	1151.7	1230.7	1131.7	1268.4
20°	452.2	681.9	755.5	837.2	902.1	1071.4	1346.4	1679.6	1984.6	2157.3	2078.2
17.5°	602.4	881.4	1050.3	1268.9	1484.9	1577.3	1752.5	2298.0	2890.2	3394.3	3665.4
15°	767.7	1094.4	1369.1	1745.0	2133.5	2426.3	2729.7	3198.4	3980.1	4842.6	5533.1
12.5°	943.5	1317.5	1705.9	2255.4	2832.5	3313.9	3855.0	4567.7	5469.5	6545.4	7670.1
10°	1124.7	1546.8	2054.1	2788.5	3567.0	4228.0	5002.4	5937.2	7088.7	8429.2	9842.8
7.5°	1316.7	1771.0	2397.4	3332.0	4320.8	5155.0	6156.3	7293.9	8691.2	10284.6	11988.7
5°	1502.6	1982.7	2683.5	3769.1	4932.6	5937.4	7207.6	8619.4	10257.8	12090.5	14098.8
2.5°	1676.0	2185.3	2954.6	4169.1	5429.1	6472.3	7832.2	9350.2	11198.4	13359.3	15682.0
0°	1832.1	2376.6	3206.5	4537.5	5887.7	6969.9	8405.2	10019.8	11945.8	14317.3	16758.3
-2.5°	1899.8	2476.4	3320.1	4592.4	5876.3	6978.9	8360.0	10007.1	11864.5	14125.5	16519.8
-5°	1947.6	2560.7	3409.6	4612.3	5826.9	6946.3	8263.6	9918.7	11606.2	13617.3	15762.4
-7.5°	1977.8	2627.7	3474.2	4578.5	5666.0	6691.2	7837.1	9246.9	10785.6	12575.7	14464.3
-10°	1984.2	2620.5	3377.2	4358.1	5353.4	6293.4	7314.6	8538.8	9914.7	11480.2	13122.1
-12.5°	1922.5	2548.0	3240.6	4121.9	5029.8	5880.1	6774.3	7814.4	9006.9	10352.7	11806.3
-15°	1855.6	2465.9	3093.6	3875.8	4703.1	5458.5	6225.7	7088.4	8146.3	9372.5	10626.0
-17.5°	1786.9	2375.6	2939.5	3625.2	4380.5	5035.1	5706.6	6525.9	7473.8	8507.1	9527.4
-20°	1719.4	2278.5	2780.9	3374.9	4067.1	4685.1	5340.0	6059.9	6855.7	7697.8	8508.9



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1656.1	2175.9	2634.3	3165.1	3797.7	4390.4	4975.3	5593.8	6252.8	6934.6	7790.5
-25°	1613.6	2077.3	2506.4	2998.5	3544.9	4091.8	4607.8	5139.5	5706.7	6460.9	7253.7
-27.5°	1587.2	1993.4	2394.1	2831.3	3302.8	3797.3	4264.3	4733.3	5365.7	6044.2	6745.9
-30°	1561.3	1910.0	2277.0	2673.2	3102.5	3531.4	3933.4	4463.4	5053.0	5673.8	6297.8
-32.5°	1512.0	1822.4	2170.4	2537.0	2916.3	3287.8	3707.5	4228.6	4769.4	5315.2	5878.5
-35°	1450.8	1745.0	2065.7	2398.6	2738.7	3106.0	3531.6	3990.3	4487.2	4994.9	5550.8
-37.5°	1397.4	1660.9	1957.2	2267.7	2586.3	2948.1	3339.3	3767.9	4220.7	4695.5	5226.2
-40°	1338.2	1570.3	1854.5	2145.6	2444.8	2782.8	3151.4	3540.9	3957.7	4411.7	4888.0
-42.5°	1274.6	1498.2	1748.7	2020.4	2304.8	2614.0	2948.7	3314.9	3703.8	4117.1	4553.4
-45°	1215.6	1420.6	1641.1	1894.8	2157.9	2439.2	2749.5	3078.3	3446.8	3827.3	4220.3
-47.5°	1150.1	1339.7	1548.6	1760.8	2007.3	2266.5	2541.6	2852.6	3178.3	3531.6	3894.5
-50°	1079.4	1259.4	1443.2	1637.4	1853.1	2090.0	2341.3	2621.2	2922.6	3231.2	3557.6
-52.5°	1006.7	1172.2	1338.5	1511.4	1703.9	1914.4	2142.9	2390.6	2661.8	2944.9	3226.5
-55°	929.2	1082.0	1230.0	1387.2	1554.9	1742.5	1944.3	2165.2	2392.7	2650.5	2898.7
-57.5°	850.9	985.4	1120.0	1262.8	1412.2	1569.3	1753.2	1940.2	2145.3	2357.3	2564.0
-60°	769.9	887.3	1007.0	1135.9	1271.0	1413.2	1562.9	1729.9	1903.6	2075.1	2257.2
-62.5°	685.8	789.3	894.7	1005.2	1126.6	1254.7	1388.4	1527.7	1670.9	1820.1	1967.1
-65°	604.7	692.5	784.4	881.1	978.4	1095.8	1214.2	1331.3	1456.5	1577.4	1695.3
-67.5°	522.1	605.3	682.7	758.1	847.8	948.6	1041.6	1147.7	1252.6	1351.9	1448.0
-70°	453.7	520.3	591.3	659.6	730.2	816.0	907.2	991.6	1071.0	1154.3	1244.3
-72.5°	387.9	452.1	511.5	566.1	637.6	717.9	792.7	862.4	938.1	1017.2	1090.0
-75°	327.6	383.6	441.5	495.2	554.8	624.9	700.3	771.2	835.6	899.6	965.9
-77.5°	269.5	311.6	360.4	415.4	474.5	529.0	588.6	652.9	713.0	774.1	838.8
-80°	206.9	236.9	270.0	308.2	352.1	400.2	451.8	506.7	554.8	599.0	642.7
-82.5°	139.2	162.1	185.3	208.7	233.2	259.1	287.6	322.6	353.8	385.1	416.9
-85°	77.1	86.8	102.6	118.6	132.3	146.7	161.9	177.8	192.6	207.1	221.3
-87.5°	44.9	50.0	55.3	60.8	64.4	67.9	71.3	74.5	78.7	82.8	86.7
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	27.8	28.3	28.7	29.2	29.6	30.9	32.2	33.5	34.8	34.4	34.0
87.5°	14.1	13.9	13.6	13.4	13.1	14.4	15.8	17.1	18.6	17.1	15.5
85°	26.8	26.9	26.9	26.9	26.7	28.5	30.3	32.0	33.7	31.1	28.3
82.5°	45.9	45.1	43.5	41.4	38.6	38.0	37.3	36.2	34.9	33.4	32.1
80°	68.2	64.9	60.7	55.8	50.2	47.3	44.6	41.5	38.1	37.1	36.3
77.5°	87.9	82.0	74.7	66.9	58.6	53.6	49.3	44.9	40.4	39.4	39.0
75°	100.4	92.8	82.3	71.4	60.2	53.1	48.0	43.0	38.1	36.7	36.0
72.5°	104.3	93.6	81.4	67.7	54.6	46.3	41.5	37.3	33.4	31.9	31.1
70°	97.6	83.3	69.8	56.7	44.6	36.9	33.6	30.7	28.2	27.1	26.7
67.5°	82.4	67.5	54.8	43.8	35.0	29.4	27.5	25.8	24.2	23.2	22.5
65°	62.6	50.9	41.7	34.4	28.8	25.3	23.7	22.3	20.9	19.8	19.0
62.5°	46.0	37.5	32.0	27.8	24.6	22.3	20.8	19.6	18.5	17.7	17.1
60°	34.7	28.8	25.4	22.8	20.7	19.2	18.4	17.6	16.8	16.1	15.4
57.5°	26.5	22.9	20.5	19.2	18.2	17.6	16.9	16.1	15.2	14.5	13.7
55°	20.9	19.1	17.7	17.3	16.9	16.3	15.5	14.8	13.9	12.9	12.1
52.5°	17.6	17.4	17.4	17.1	16.6	16.1	15.6	14.5	13.5	12.4	11.8
50°	17.4	17.5	17.6	17.3	16.8	16.3	15.8	15.0	14.3	13.5	13.1
47.5°	18.0	18.3	19.3	17.7	17.4	17.9	17.6	16.9	16.7	16.3	15.8
45°	21.2	24.9	25.9	24.5	21.5	24.0	23.2	20.4	22.0	21.8	20.5
42.5°	37.9	41.8	44.8	42.9	36.7	38.8	38.8	34.6	35.7	35.9	34.3
40°	72.2	70.8	75.7	73.7	67.0	64.5	67.4	62.6	61.7	64.1	61.3
37.5°	118.8	119.6	117.3	117.6	115.2	108.7	112.6	111.3	107.4	114.9	115.7
35°	185.7	191.4	173.3	180.4	183.5	176.5	181.0	193.6	185.5	203.0	207.7
32.5°	275.3	287.2	278.7	270.4	284.1	295.0	300.0	326.9	334.1	349.9	368.7
30°	385.8	416.8	441.3	426.0	424.3	462.8	485.0	521.1	556.1	577.0	615.4
27.5°	615.7	606.1	664.4	681.6	643.2	704.8	788.3	804.3	910.8	919.4	994.0
25°	973.1	968.1	985.6	1070.1	1091.5	1122.4	1265.8	1341.5	1463.7	1529.8	1586.9
22.5°	1452.9	1588.6	1611.7	1572.9	1758.5	1879.9	1920.0	2137.9	2237.7	2386.5	2431.2
20°	2053.2	2368.6	2767.0	2773.3	2696.9	3046.6	3191.5	3306.1	3549.7	3719.4	3834.5
17.5°	3626.7	3624.2	4438.1	4887.7	4836.8	5088.6	5800.9	5727.4	6303.0	6651.9	6666.5
15°	5936.0	6366.4	6882.9	7698.5	8392.6	8952.2	9628.5	10512.2	11227.8	12068.3	12706.4
12.5°	8577.9	9425.6	10309.6	11239.9	12329.3	13566.4	14911.9	16089.8	17491.0	18717.3	19985.2
10°	11225.1	12567.6	13815.2	15205.5	16754.0	18401.9	20375.1	22099.1	24171.9	25989.8	27184.9
7.5°	13652.4	15262.9	16949.1	18970.1	21131.3	23200.7	25434.5	27852.7	30277.6	32378.1	34161.7
5°	16024.9	17835.4	19704.3	21930.5	24400.4	26993.3	29757.5	32617.4	35158.4	37551.1	39633.7
2.5°	17886.1	19960.0	22095.1	24612.5	27269.7	29897.4	32664.6	35743.3	38698.4	41496.9	43636.4
0°	18992.2	21073.1	23167.9	25835.1	28752.8	31576.6	34661.4	37939.2	41058.8	43734.6	45718.1
-2.5°	18551.6	20578.4	22695.1	25330.1	28141.1	30772.2	33719.5	36894.8	39916.2	42626.3	44684.9
-5°	17555.2	19373.7	21314.0	23750.4	26380.2	28994.2	31883.7	34904.3	37510.8	39916.3	41762.0
-7.5°	16154.2	17831.9	19641.4	21897.2	24315.4	26598.2	28960.1	31397.0	33769.0	35826.3	37344.9
-10°	14666.3	16185.0	17742.7	19551.6	21612.6	23605.1	25597.9	27820.6	29775.5	31474.0	32726.3
-12.5°	13174.2	14421.7	15650.6	17033.8	18802.3	20595.5	22319.1	24182.8	25740.0	27141.2	28255.3
-15°	11741.9	12713.1	13645.5	14984.3	16541.7	17866.0	18926.6	20614.7	21671.7	22917.3	23696.2
-17.5°	10410.6	11186.1	12319.4	13470.2	14581.3	15669.6	16893.4	17892.8	18930.3	19947.7	20617.1
-20°	9363.2	10322.3	11280.2	12216.1	13170.6	14209.5	15178.2	16122.6	17026.8	17808.7	18345.4



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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°	8681.3	9532.9	10339.1	11181.4	12111.2	12983.5	13802.0	14671.7	15444.8	16028.6	16465.3
-25°	8026.6	8767.1	9551.6	10394.2	11181.0	11915.2	12668.9	13340.2	13999.9	14486.1	14894.7
-27.5°	7436.5	8139.0	8911.9	9658.8	10360.0	11046.2	11686.7	12242.8	12792.4	13181.2	13587.6
-30°	6923.2	7634.7	8337.7	9001.6	9660.3	10282.0	10846.7	11374.8	11835.9	12214.6	12555.2
-32.5°	6535.5	7180.7	7806.7	8427.8	9052.1	9625.2	10119.6	10626.8	11051.1	11414.1	11722.6
-35°	6152.1	6758.8	7337.4	7906.5	8481.1	9033.7	9512.4	9954.0	10371.6	10696.6	10979.3
-37.5°	5778.2	6344.0	6879.3	7391.1	7916.9	8426.3	8862.9	9277.8	9651.1	9951.4	10219.6
-40°	5401.6	5919.9	6398.5	6875.4	7347.7	7774.6	8185.0	8567.1	8887.0	9163.8	9407.9
-42.5°	5012.5	5468.8	5900.5	6337.0	6768.5	7146.2	7508.4	7851.7	8123.9	8369.3	8580.6
-45°	4621.9	5023.5	5419.0	5811.1	6166.1	6514.9	6843.2	7133.0	7378.5	7595.8	7779.1
-47.5°	4246.0	4587.3	4949.2	5306.8	5611.7	5910.3	6197.5	6443.2	6656.4	6846.5	7007.7
-50°	3870.3	4174.8	4490.5	4797.4	5077.1	5339.1	5579.8	5794.5	5988.8	6153.1	6291.4
-52.5°	3498.4	3781.2	4051.0	4300.5	4554.7	4795.6	5019.5	5207.2	5377.4	5529.4	5651.3
-55°	3143.4	3393.4	3645.7	3858.2	4063.6	4264.3	4450.8	4618.4	4772.7	4912.2	5021.5
-57.5°	2785.2	3003.3	3214.1	3404.6	3589.0	3766.0	3917.1	4048.5	4171.6	4284.4	4380.8
-60°	2439.5	2621.3	2799.3	2958.3	3111.9	3259.2	3387.8	3499.7	3598.8	3686.2	3765.3
-62.5°	2114.9	2271.1	2413.0	2541.4	2661.6	2781.7	2891.4	2988.1	3072.1	3144.0	3205.8
-65°	1816.6	1945.8	2059.3	2165.6	2265.4	2366.6	2454.7	2534.1	2604.8	2664.2	2711.9
-67.5°	1551.3	1652.4	1746.9	1829.3	1914.1	2000.2	2079.9	2149.5	2209.4	2256.9	2293.9
-70°	1327.5	1409.4	1494.1	1576.2	1657.0	1731.0	1799.9	1861.5	1916.3	1957.2	1989.8
-72.5°	1156.7	1225.8	1303.9	1386.7	1463.4	1537.0	1607.1	1672.3	1732.9	1771.9	1802.3
-75°	1034.1	1105.4	1175.3	1244.3	1312.3	1377.0	1442.2	1508.7	1575.9	1615.5	1647.4
-77.5°	898.5	948.5	1000.5	1056.8	1116.7	1174.8	1231.7	1287.7	1342.7	1370.2	1391.2
-80°	688.8	728.7	767.8	807.5	847.3	888.1	929.3	970.3	1010.4	1029.0	1042.9
-82.5°	449.0	476.4	502.4	527.5	551.4	571.9	591.0	608.8	625.2	633.2	638.7
-85°	235.2	247.2	258.6	269.4	279.5	285.7	291.1	295.7	299.4	304.5	308.8
-87.5°	90.5	93.9	97.3	100.5	103.7	105.3	106.6	107.8	108.8	110.4	111.9
-90°	7.0	6.6	6.1	5.7	5.2	4.8	4.4	3.9	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°	33.5	33.1	34.0	34.8	34.0	33.1	33.5	34.0	34.4	34.8	33.5
87.5°	13.8	12.2	11.3	10.4	11.3	12.2	13.8	15.5	17.1	18.6	17.1
85°	25.5	22.5	20.8	19.1	20.8	22.5	25.5	28.3	31.1	33.7	32.0
82.5°	30.8	29.5	29.6	29.6	29.6	29.5	30.8	32.1	33.4	34.9	36.2
80°	35.6	34.7	34.8	34.8	34.8	34.7	35.6	36.3	37.1	38.1	41.5
77.5°	38.6	38.3	37.4	36.5	37.4	38.3	38.6	39.0	39.4	40.4	44.9
75°	35.5	34.9	34.8	34.8	34.8	34.9	35.5	36.0	36.7	38.1	43.0
72.5°	30.4	29.8	29.6	29.6	29.6	29.8	30.4	31.1	31.9	33.4	37.3
70°	26.4	26.2	25.3	24.4	25.3	26.2	26.4	26.7	27.1	28.2	30.7
67.5°	21.8	21.2	20.9	20.9	20.9	21.2	21.8	22.5	23.2	24.2	25.8
65°	18.3	17.6	17.4	17.4	17.4	17.6	18.3	19.0	19.8	20.9	22.3
62.5°	16.5	15.9	14.9	13.9	14.9	15.9	16.5	17.1	17.7	18.5	19.6
60°	14.8	14.1	13.2	12.2	13.2	14.1	14.8	15.4	16.1	16.8	17.6
57.5°	13.1	12.5	12.2	12.2	12.2	12.5	13.1	13.7	14.5	15.2	16.1
55°	11.4	10.7	10.4	10.4	10.4	10.7	11.4	12.1	12.9	13.9	14.8
52.5°	11.2	10.6	10.4	10.4	10.4	10.6	11.2	11.8	12.4	13.5	14.5
50°	12.7	12.3	12.2	12.2	12.2	12.3	12.7	13.1	13.5	14.3	15.0
47.5°	15.2	14.4	13.9	13.9	13.9	14.4	15.2	15.8	16.3	16.7	16.9
45°	20.0	19.4	19.0	19.1	19.0	19.4	20.0	20.5	21.8	22.0	20.4
42.5°	34.7	33.7	32.3	31.3	32.3	33.7	34.7	34.3	35.9	35.7	34.6
40°	61.5	60.2	58.1	57.4	58.1	60.2	61.5	61.3	64.1	61.7	62.6
37.5°	117.3	116.4	112.6	111.4	112.6	116.4	117.3	115.7	114.9	107.4	111.3
35°	207.3	208.9	205.4	205.3	205.4	208.9	207.3	207.7	203.0	185.5	193.6
32.5°	375.0	379.0	368.4	374.1	368.4	379.0	375.0	368.7	349.9	334.1	326.9
30°	614.2	627.9	621.9	624.6	621.9	627.9	614.2	615.4	577.0	556.1	521.1
27.5°	1001.3	1011.5	990.4	983.0	990.4	1011.5	1001.3	994.0	919.4	910.8	804.3
25°	1619.1	1625.5	1604.8	1612.8	1604.8	1625.5	1619.1	1586.9	1529.8	1463.7	1341.5
22.5°	2522.1	2497.9	2474.9	2453.2	2474.9	2497.9	2522.1	2431.2	2386.5	2237.7	2137.9
20°	3941.4	3885.7	3878.2	3836.4	3878.2	3885.7	3941.4	3834.5	3719.4	3549.7	3306.1
17.5°	7022.4	7123.4	6899.1	6465.3	6899.1	7123.4	7022.4	6666.5	6651.9	6303.0	5727.4
15°	13082.3	13557.1	13761.0	13262.9	13761.0	13557.1	13082.3	12706.4	12068.3	11227.8	10512.2
12.5°	20685.1	21019.4	21424.2	21128.8	21424.2	21019.4	20685.1	19985.2	18717.3	17491.0	16089.8
10°	28211.5	28712.0	29324.7	29048.6	29324.7	28712.0	28211.5	27184.9	25989.8	24171.9	22099.1
7.5°	35143.3	36005.4	36543.9	36197.7	36543.9	36005.4	35143.3	34161.7	32378.1	30277.6	27852.7
5°	41059.0	41740.7	42065.3	41975.7	42065.3	41740.7	41059.0	39633.7	37551.1	35158.4	32617.4
2.5°	44852.9	45572.4	45863.3	45621.6	45863.3	45572.4	44852.9	43636.4	41496.9	38698.4	35743.3
0°	46707.2	47381.4	47844.2	47880.8	47844.2	47381.4	46707.2	45718.1	43734.6	41058.8	37939.2
-2.5°	45635.6	46045.4	46266.7	46119.2	46266.7	46045.4	45635.6	44684.9	42626.3	39916.2	36894.8
-5°	42829.1	43262.4	43402.9	43574.6	43402.9	43262.4	42829.1	41762.0	39916.3	37510.8	34904.3
-7.5°	38199.1	38674.4	39024.8	39010.1	39024.8	38674.4	38199.1	37344.9	35826.3	33769.0	31397.0
-10°	33657.8	34010.9	34376.5	34315.1	34376.5	34010.9	33657.8	32726.3	31474.0	29775.5	27820.6
-12.5°	29157.1	29746.2	29889.4	29846.4	29889.4	29746.2	29157.1	28255.3	27141.2	25740.0	24182.8
-15°	24583.0	25019.5	24983.7	24867.7	24983.7	25019.5	24583.0	23696.2	22917.3	21671.7	20614.7
-17.5°	21196.4	21437.1	21529.1	21438.5	21529.1	21437.1	21196.4	20617.1	19947.7	18930.3	17892.8
-20°	18786.7	18972.6	19035.3	19077.5	19035.3	18972.6	18786.7	18345.4	17808.7	17026.8	16122.6



REPORT NUMBER: P731568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16841.3	17031.3	17086.4	17158.4	17086.4	17031.3	16841.3	16465.3	16028.6	15444.8	14671.7
-25°	15209.9	15395.6	15458.4	15529.9	15458.4	15395.6	15209.9	14894.7	14486.1	13999.9	13340.2
-27.5°	13860.1	14041.3	14116.8	14171.1	14116.8	14041.3	13860.1	13587.6	13181.2	12792.4	12242.8
-30°	12797.1	12975.6	13083.5	13118.5	13083.5	12975.6	12797.1	12555.2	12214.6	11835.9	11374.8
-32.5°	11953.7	12109.5	12210.9	12262.5	12210.9	12109.5	11953.7	11722.6	11414.1	11051.1	10626.8
-35°	11202.5	11359.0	11464.3	11517.8	11464.3	11359.0	11202.5	10979.3	10696.6	10371.6	9954.0
-37.5°	10434.4	10604.8	10716.3	10719.2	10716.3	10604.8	10434.4	10219.6	9951.4	9651.1	9277.8
-40°	9587.0	9722.1	9810.5	9845.8	9810.5	9722.1	9587.0	9407.9	9163.8	8887.0	8567.1
-42.5°	8737.1	8851.8	8923.4	8953.3	8923.4	8851.8	8737.1	8580.6	8369.3	8123.9	7851.7
-45°	7925.5	8041.1	8100.9	8092.1	8100.9	8041.1	7925.5	7779.1	7595.8	7378.5	7133.0
-47.5°	7131.6	7221.3	7270.3	7281.3	7270.3	7221.3	7131.6	7007.7	6846.5	6656.4	6443.2
-50°	6408.9	6504.0	6544.6	6533.1	6544.6	6504.0	6408.9	6291.4	6153.1	5988.8	5794.5
-52.5°	5751.8	5832.6	5867.6	5863.3	5867.6	5832.6	5751.8	5651.3	5529.4	5377.4	5207.2
-55°	5111.0	5180.8	5208.6	5203.9	5208.6	5180.8	5111.0	5021.5	4912.2	4772.7	4618.4
-57.5°	4460.7	4523.6	4542.3	4530.6	4542.3	4523.6	4460.7	4380.8	4284.4	4171.6	4048.5
-60°	3830.9	3882.6	3898.7	3892.1	3898.7	3882.6	3830.9	3765.3	3686.2	3598.8	3499.7
-62.5°	3257.0	3296.9	3313.4	3314.4	3313.4	3296.9	3257.0	3205.8	3144.0	3072.1	2988.1
-65°	2750.5	2780.2	2793.4	2795.9	2793.4	2780.2	2750.5	2711.9	2664.2	2604.8	2534.1
-67.5°	2323.7	2346.8	2354.9	2355.8	2354.9	2346.8	2323.7	2293.9	2256.9	2209.4	2149.5
-70°	2019.0	2044.8	2055.6	2061.7	2055.6	2044.8	2019.0	1989.8	1957.2	1916.3	1861.5
-72.5°	1830.8	1857.3	1869.8	1879.0	1869.8	1857.3	1830.8	1802.3	1771.9	1732.9	1672.3
-75°	1677.7	1705.8	1714.6	1719.0	1714.6	1705.8	1677.7	1647.4	1615.5	1575.9	1508.7
-77.5°	1409.4	1424.6	1430.2	1431.9	1430.2	1424.6	1409.4	1391.2	1370.2	1342.7	1287.7
-80°	1053.9	1061.8	1076.9	1089.1	1076.9	1061.8	1053.9	1042.9	1029.0	1010.4	970.3
-82.5°	642.1	643.5	652.3	659.4	652.3	643.5	642.1	638.7	633.2	625.2	608.8
-85°	312.4	315.2	322.3	328.8	322.3	315.2	312.4	308.8	304.5	299.4	295.7
-87.5°	113.3	114.5	113.9	113.1	113.9	114.5	113.3	111.9	110.4	108.8	107.8
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	32.2	30.9	29.6	29.2	28.7	28.3	27.8	25.6	23.5	21.3	19.1
87.5°	15.8	14.4	13.1	13.4	13.6	13.9	14.1	13.2	12.3	11.5	10.7
85°	30.3	28.5	26.7	26.9	26.9	26.9	26.8	26.0	25.0	23.8	22.3
82.5°	37.3	38.0	38.6	41.4	43.5	45.1	45.9	45.6	44.7	43.2	41.0
80°	44.6	47.3	50.2	55.8	60.7	64.9	68.2	69.4	70.1	69.8	67.5
77.5°	49.3	53.6	58.6	66.9	74.7	82.0	87.9	90.7	91.9	92.5	90.0
75°	48.0	53.1	60.2	71.4	82.3	92.8	100.4	105.0	108.7	111.5	108.8
72.5°	41.5	46.3	54.6	67.7	81.4	93.6	104.3	113.3	120.8	126.9	123.0
70°	33.6	36.9	44.6	56.7	69.8	83.3	97.6	112.2	127.2	137.5	131.4
67.5°	27.5	29.4	35.0	43.8	54.8	67.5	82.4	99.3	115.4	131.0	129.6
65°	23.7	25.3	28.8	34.4	41.7	50.9	62.6	77.2	94.8	112.6	115.1
62.5°	20.8	22.3	24.6	27.8	32.0	37.5	46.0	58.1	72.4	84.8	91.0
60°	18.4	19.2	20.7	22.8	25.4	28.8	34.7	42.5	52.3	62.5	69.1
57.5°	16.9	17.6	18.2	19.2	20.5	22.9	26.5	30.8	38.8	45.2	50.6
55°	15.5	16.3	16.9	17.3	17.7	19.1	20.9	24.0	28.7	32.5	38.9
52.5°	15.6	16.1	16.6	17.1	17.4	17.4	17.6	19.7	22.6	26.8	30.5
50°	15.8	16.3	16.8	17.3	17.6	17.5	17.4	17.4	20.1	23.3	26.5
47.5°	17.6	17.9	17.4	17.7	19.3	18.3	18.0	19.3	21.8	21.9	24.7
45°	23.2	24.0	21.5	24.5	25.9	24.9	21.2	26.0	27.4	26.9	24.2
42.5°	38.8	38.8	36.7	42.9	44.8	41.8	37.9	41.6	40.0	36.0	40.5
40°	67.4	64.5	67.0	73.7	75.7	70.8	72.2	67.4	62.9	53.1	68.9
37.5°	112.6	108.7	115.2	117.6	117.3	119.6	118.8	108.8	94.8	102.8	115.3
35°	181.0	176.5	183.5	180.4	173.3	191.4	185.7	163.2	152.0	164.7	173.0
32.5°	300.0	295.0	284.1	270.4	278.7	287.2	275.3	242.1	246.9	246.9	237.8
30°	485.0	462.8	424.3	426.0	441.3	416.8	385.8	397.4	381.0	347.1	313.8
27.5°	788.3	704.8	643.2	681.6	664.4	606.1	615.7	598.4	542.9	480.3	435.0
25°	1265.8	1122.4	1091.5	1070.1	985.6	968.1	973.1	892.1	760.7	669.6	731.5
22.5°	1920.0	1879.9	1758.5	1572.9	1611.7	1588.6	1452.9	1268.4	1131.7	1230.7	1151.7
20°	3191.5	3046.6	2696.9	2773.3	2767.0	2368.6	2053.2	2078.2	2157.3	1984.6	1679.6
17.5°	5800.9	5088.6	4836.8	4887.7	4438.1	3624.2	3626.7	3665.4	3394.3	2890.2	2298.0
15°	9628.5	8952.2	8392.6	7698.5	6882.9	6366.4	5936.0	5533.1	4842.6	3980.1	3198.4
12.5°	14911.9	13566.4	12329.3	11239.9	10309.6	9425.6	8577.9	7670.1	6545.4	5469.5	4567.7
10°	20375.1	18401.9	16754.0	15205.5	13815.2	12567.6	11225.1	9842.8	8429.2	7088.7	5937.2
7.5°	25434.5	23200.7	21131.3	18970.1	16949.1	15262.9	13652.4	11988.7	10284.6	8691.2	7293.9
5°	29757.5	26993.3	24400.4	21930.5	19704.3	17835.4	16024.9	14098.8	12090.5	10257.8	8619.4
2.5°	32664.6	29897.4	27269.7	24612.5	22095.1	19960.0	17886.1	15682.0	13359.3	11198.4	9350.2
0°	34661.4	31576.6	28752.8	25835.1	23167.9	21073.1	18992.2	16758.3	14317.3	11945.8	10019.8
-2.5°	33719.5	30772.2	28141.1	25330.1	22695.1	20578.4	18551.6	16519.8	14125.5	11864.5	10007.1
-5°	31883.7	28994.2	26380.2	23750.4	21314.0	19373.7	17555.2	15762.4	13617.3	11606.2	9918.7
-7.5°	28960.1	26598.2	24315.4	21897.2	19641.4	17831.9	16154.2	14464.3	12575.7	10785.6	9246.9
-10°	25597.9	23605.1	21612.6	19551.6	17742.7	16185.0	14666.3	13122.1	11480.2	9914.7	8538.8
-12.5°	22319.1	20595.5	18802.3	17033.8	15650.6	14421.7	13174.2	11806.3	10352.7	9006.9	7814.4
-15°	18926.6	17866.0	16541.7	14984.3	13645.5	12713.1	11741.9	10626.0	9372.5	8146.3	7088.4
-17.5°	16893.4	15669.6	14581.3	13470.2	12319.4	11186.1	10410.6	9527.4	8507.1	7473.8	6525.9
-20°	15178.2	14209.5	13170.6	12216.1	11280.2	10322.3	9363.2	8508.9	7697.8	6855.7	6059.9



REPORT NUMBER: P731568 (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°
-22.5°	13802.0	12983.5	12111.2	11181.4	10339.1	9532.9	8681.3	7790.5	6934.6	6252.8	5593.8
-25°	12668.9	11915.2	11181.0	10394.2	9551.6	8767.1	8026.6	7253.7	6460.9	5706.7	5139.5
-27.5°	11686.7	11046.2	10360.0	9658.8	8911.9	8139.0	7436.5	6745.9	6044.2	5365.7	4733.3
-30°	10846.7	10282.0	9660.3	9001.6	8337.7	7634.7	6923.2	6297.8	5673.8	5053.0	4463.4
-32.5°	10119.6	9625.2	9052.1	8427.8	7806.7	7180.7	6535.5	5878.5	5315.2	4769.4	4228.6
-35°	9512.4	9033.7	8481.1	7906.5	7337.4	6758.8	6152.1	5550.8	4994.9	4487.2	3990.3
-37.5°	8862.9	8426.3	7916.9	7391.1	6879.3	6344.0	5778.2	5226.2	4695.5	4220.7	3767.9
-40°	8185.0	7774.6	7347.7	6875.4	6398.5	5919.9	5401.6	4888.0	4411.7	3957.7	3540.9
-42.5°	7508.4	7146.2	6768.5	6337.0	5900.5	5468.8	5012.5	4553.4	4117.1	3703.8	3314.9
-45°	6843.2	6514.9	6166.1	5811.1	5419.0	5023.5	4621.9	4220.3	3827.3	3446.8	3078.3
-47.5°	6197.5	5910.3	5611.7	5306.8	4949.2	4587.3	4246.0	3894.5	3531.6	3178.3	2852.6
-50°	5579.8	5339.1	5077.1	4797.4	4490.5	4174.8	3870.3	3557.6	3231.2	2922.6	2621.2
-52.5°	5019.5	4795.6	4554.7	4300.5	4051.0	3781.2	3498.4	3226.5	2944.9	2661.8	2390.6
-55°	4450.8	4264.3	4063.6	3858.2	3645.7	3393.4	3143.4	2898.7	2650.5	2392.7	2165.2
-57.5°	3917.1	3766.0	3589.0	3404.6	3214.1	3003.3	2785.2	2564.0	2357.3	2145.3	1940.2
-60°	3387.8	3259.2	3111.9	2958.3	2799.3	2621.3	2439.5	2257.2	2075.1	1903.6	1729.9
-62.5°	2891.4	2781.7	2661.6	2541.4	2413.0	2271.1	2114.9	1967.1	1820.1	1670.9	1527.7
-65°	2454.7	2366.6	2265.4	2165.6	2059.3	1945.8	1816.6	1695.3	1577.4	1456.5	1331.3
-67.5°	2079.9	2000.2	1914.1	1829.3	1746.9	1652.4	1551.3	1448.0	1351.9	1252.6	1147.7
-70°	1799.9	1731.0	1657.0	1576.2	1494.1	1409.4	1327.5	1244.3	1154.3	1071.0	991.6
-72.5°	1607.1	1537.0	1463.4	1386.7	1303.9	1225.8	1156.7	1090.0	1017.2	938.1	862.4
-75°	1442.2	1377.0	1312.3	1244.3	1175.3	1105.4	1034.1	965.9	899.6	835.6	771.2
-77.5°	1231.7	1174.8	1116.7	1056.8	1000.5	948.5	898.5	838.8	774.1	713.0	652.9
-80°	929.3	888.1	847.3	807.5	767.8	728.7	688.8	642.7	599.0	554.8	506.7
-82.5°	591.0	571.9	551.4	527.5	502.4	476.4	449.0	416.9	385.1	353.8	322.6
-85°	291.1	285.7	279.5	269.4	258.6	247.2	235.2	221.3	207.1	192.6	177.8
-87.5°	106.6	105.3	103.7	100.5	97.3	93.9	90.5	86.7	82.8	78.7	74.5
-90°	4.4	4.8	5.2	5.7	6.1	6.6	7.0	7.0	7.0	7.0	7.0



REPORT NUMBER: P731568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	17.8	16.5	15.2	13.9	13.5	13.1	12.6	12.2	11.8	11.3	10.9
87.5°	11.7	12.6	13.3	13.9	13.0	12.2	11.4	10.7	10.8	10.9	10.8
85°	21.7	21.4	21.3	21.4	19.6	17.4	15.8	14.4	14.7	14.7	14.6
82.5°	36.9	34.1	32.1	30.5	29.5	27.8	25.5	22.6	20.1	18.8	18.4
80°	60.5	53.9	48.0	42.8	39.9	38.4	36.5	33.3	28.0	24.2	21.9
77.5°	81.3	73.1	65.5	57.8	51.3	46.5	43.7	41.7	35.6	29.5	25.2
75°	99.4	89.2	79.5	70.1	61.2	54.1	48.4	44.2	39.1	34.1	28.2
72.5°	111.8	101.3	91.4	80.8	69.1	59.5	52.1	46.6	41.1	35.8	30.7
70°	120.6	110.7	100.0	87.9	75.6	64.1	54.7	48.3	42.9	37.3	31.9
67.5°	126.1	114.9	104.6	93.7	81.0	68.5	56.8	49.8	44.3	38.7	33.1
65°	112.7	110.3	106.9	95.1	84.0	72.5	60.0	51.8	45.6	39.9	34.1
62.5°	95.6	97.6	95.9	93.1	84.5	73.6	63.2	54.8	47.0	40.9	35.1
60°	74.7	80.2	83.8	83.0	80.4	73.3	64.2	57.5	49.2	41.9	35.9
57.5°	57.8	63.3	69.0	72.4	71.8	69.1	64.5	58.5	51.2	43.3	36.8
55°	43.8	50.2	56.3	61.1	63.3	62.0	63.0	58.7	52.6	44.7	38.0
52.5°	35.2	40.4	46.0	51.5	55.0	56.1	58.6	58.8	52.7	45.9	39.6
50°	29.8	35.6	39.4	43.5	47.8	51.4	54.7	55.9	52.6	46.6	41.2
47.5°	29.8	35.5	37.8	38.3	41.8	47.3	51.2	53.0	52.5	46.4	42.8
45°	36.1	40.1	40.3	39.1	38.4	44.7	48.0	50.6	50.4	47.5	44.5
42.5°	48.6	51.7	48.1	41.6	45.6	43.9	45.3	48.2	48.7	48.8	45.9
40°	74.7	70.1	60.7	59.8	60.2	44.9	45.6	46.2	47.5	50.0	47.2
37.5°	108.6	98.9	82.7	88.2	82.1	63.2	47.4	44.5	48.7	51.0	48.5
35°	162.6	137.3	128.0	127.3	114.1	86.0	50.3	44.7	50.8	52.3	50.0
32.5°	227.1	204.6	195.0	174.4	152.0	113.2	65.7	53.5	54.1	54.1	51.6
30°	311.5	321.3	276.2	226.6	196.0	149.2	98.4	64.5	58.5	56.3	53.2
27.5°	479.5	463.8	376.1	300.3	245.1	193.8	154.2	77.5	64.0	59.2	54.8
25°	700.6	636.0	514.3	388.2	297.4	328.5	224.4	93.8	73.2	63.4	56.7
22.5°	999.1	839.8	669.7	484.0	500.9	499.3	321.4	147.1	84.9	68.2	58.7
20°	1346.4	1071.4	902.1	837.2	755.5	681.9	452.2	208.0	97.5	73.4	60.9
17.5°	1752.5	1577.3	1484.9	1268.9	1050.3	881.4	602.4	274.8	110.9	79.1	63.2
15°	2729.7	2426.3	2133.5	1745.0	1369.1	1094.4	767.7	345.8	124.7	85.0	69.5
12.5°	3855.0	3313.9	2832.5	2255.4	1705.9	1317.5	943.5	419.2	138.7	98.6	81.3
10°	5002.4	4228.0	3567.0	2788.5	2054.1	1546.8	1124.7	501.2	171.8	118.5	93.5
7.5°	6156.3	5155.0	4320.8	3332.0	2397.4	1771.0	1316.7	599.0	208.2	138.7	105.9
5°	7207.6	5937.4	4932.6	3769.1	2683.5	1982.7	1502.6	692.9	244.6	159.0	118.4
2.5°	7832.2	6472.3	5429.1	4169.1	2954.6	2185.3	1676.0	780.5	280.5	178.9	130.7
0°	8405.2	6969.9	5887.7	4537.5	3206.5	2376.6	1832.1	859.5	314.9	198.3	142.7
-2.5°	8360.0	6978.9	5876.3	4592.4	3320.1	2476.4	1899.8	956.2	410.6	267.7	188.4
-5°	8263.6	6946.3	5826.9	4612.3	3409.6	2560.7	1947.6	1042.0	503.0	335.2	233.0
-7.5°	7837.1	6691.2	5666.0	4578.5	3474.2	2627.7	1977.8	1117.0	590.9	400.0	275.8
-10°	7314.6	6293.4	5353.4	4358.1	3377.2	2620.5	1984.2	1181.6	673.3	461.0	316.2
-12.5°	6774.3	5880.1	5029.8	4121.9	3240.6	2548.0	1922.5	1207.8	745.9	517.4	353.5
-15°	6225.7	5458.5	4703.1	3875.8	3093.6	2465.9	1855.6	1213.5	790.0	563.4	387.3
-17.5°	5706.6	5035.1	4380.5	3625.2	2939.5	2375.6	1786.9	1213.7	828.5	598.5	416.6
-20°	5340.0	4685.1	4067.1	3374.9	2780.9	2278.5	1719.4	1209.3	861.0	629.5	442.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4975.3	4390.4	3797.7	3165.1	2634.3	2175.9	1656.1	1201.3	887.3	656.0	463.8
-25°	4607.8	4091.8	3544.9	2998.5	2506.4	2077.3	1613.6	1190.7	907.1	677.9	481.7
-27.5°	4264.3	3797.3	3302.8	2831.3	2394.1	1993.4	1587.2	1207.0	923.4	694.9	495.6
-30°	3933.4	3531.4	3102.5	2673.2	2277.0	1910.0	1561.3	1216.7	939.6	708.5	505.3
-32.5°	3707.5	3287.8	2916.3	2537.0	2170.4	1822.4	1512.0	1218.0	949.6	717.5	513.9
-35°	3531.6	3106.0	2738.7	2398.6	2065.7	1745.0	1450.8	1210.9	953.2	720.8	519.6
-37.5°	3339.3	2948.1	2586.3	2267.7	1957.2	1660.9	1397.4	1171.3	950.4	718.3	521.2
-40°	3151.4	2782.8	2444.8	2145.6	1854.5	1570.3	1338.2	1129.9	941.6	709.9	518.7
-42.5°	2948.7	2614.0	2304.8	2020.4	1748.7	1498.2	1274.6	1082.6	903.4	700.4	512.1
-45°	2749.5	2439.2	2157.9	1894.8	1641.1	1420.6	1215.6	1030.0	857.8	687.9	502.2
-47.5°	2541.6	2266.5	2007.3	1760.8	1548.6	1339.7	1150.1	974.1	808.3	669.6	489.0
-50°	2341.3	2090.0	1853.1	1637.4	1443.2	1259.4	1079.4	913.7	762.5	629.9	471.4
-52.5°	2142.9	1914.4	1703.9	1511.4	1338.5	1172.2	1006.7	849.6	712.6	588.0	449.6
-55°	1944.3	1742.5	1554.9	1387.2	1230.0	1082.0	929.2	787.6	658.8	543.7	424.0
-57.5°	1753.2	1569.3	1412.2	1262.8	1120.0	985.4	850.9	721.1	604.0	496.9	396.8
-60°	1562.9	1413.2	1271.0	1135.9	1007.0	887.3	769.9	652.3	547.0	448.8	360.5
-62.5°	1388.4	1254.7	1126.6	1005.2	894.7	789.3	685.8	584.0	487.4	403.2	320.8
-65°	1214.2	1095.8	978.4	881.1	784.4	692.5	604.7	512.7	432.7	356.4	282.2
-67.5°	1041.6	948.6	847.8	758.1	682.7	605.3	522.1	448.6	378.6	308.4	248.5
-70°	907.2	816.0	730.2	659.6	591.3	520.3	453.7	387.1	323.3	269.7	214.2
-72.5°	792.7	717.9	637.6	566.1	511.5	452.1	387.9	327.6	280.1	230.7	179.3
-75°	700.3	624.9	554.8	495.2	441.5	383.6	327.6	280.4	236.6	191.1	148.2
-77.5°	588.6	529.0	474.5	415.4	360.4	311.6	269.5	232.8	191.6	152.3	117.6
-80°	451.8	400.2	352.1	308.2	270.0	236.9	206.9	176.5	142.8	112.7	86.2
-82.5°	287.6	259.1	233.2	208.7	185.3	162.1	139.2	116.4	93.0	72.2	59.6
-85°	161.9	146.7	132.3	118.6	102.6	86.8	77.1	67.9	59.2	51.0	43.5
-87.5°	71.3	67.9	64.4	60.8	55.3	50.0	44.9	40.1	35.5	31.2	27.2
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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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	9.7	9.0	8.3	7.8	7.3	7.0
85°	14.2	12.4	10.9	9.6	8.5	7.6	7.0
82.5°	17.7	15.1	12.8	10.9	9.3	7.9	7.0
80°	21.0	17.8	14.8	12.2	10.0	8.2	7.0
77.5°	22.6	19.8	16.6	13.4	10.7	8.5	7.0
75°	24.1	20.6	18.2	14.6	11.4	8.8	7.0
72.5°	25.5	21.4	18.5	15.8	12.1	9.1	7.0
70°	26.8	22.1	18.7	16.8	12.8	9.3	7.0
67.5°	27.8	22.6	18.9	16.7	13.4	9.6	7.0
65°	28.9	23.4	19.0	16.6	14.1	9.9	7.0
62.5°	29.9	24.4	19.1	16.4	14.7	10.1	7.0
60°	30.9	25.3	19.0	16.2	15.2	10.4	7.0
57.5°	32.1	26.2	19.8	16.0	15.1	10.6	7.0
55°	33.3	27.1	20.6	15.7	14.9	10.8	7.0
52.5°	34.5	28.1	21.3	15.4	14.8	11.0	7.0
50°	35.8	29.3	22.0	15.0	14.7	11.2	7.0
47.5°	37.2	30.4	22.7	14.9	14.6	11.4	7.0
45°	38.6	31.6	23.4	15.4	14.6	11.6	7.0
42.5°	40.1	32.8	24.0	15.8	14.5	11.7	7.0
40°	41.5	34.1	24.8	16.6	14.5	11.8	7.0
37.5°	42.9	35.3	25.7	17.5	14.5	12.0	7.0
35°	44.3	36.4	26.6	18.4	14.5	12.1	7.0
32.5°	45.6	37.5	27.4	19.4	14.5	12.2	7.0
30°	46.8	38.5	28.2	20.3	14.6	12.3	7.0
27.5°	48.0	39.4	30.0	21.2	14.6	12.3	7.0
25°	49.2	40.3	31.9	22.2	14.7	12.4	7.0
22.5°	50.5	41.9	33.7	23.1	14.8	12.4	7.0
20°	51.7	45.2	35.6	24.0	14.9	12.4	7.0
17.5°	56.2	48.6	37.5	24.8	15.0	12.5	7.0
15°	62.9	52.1	39.3	25.6	15.1	12.5	7.0
12.5°	70.0	55.8	41.1	26.4	15.2	12.4	7.0
10°	77.3	59.4	42.8	27.2	15.3	12.4	7.0
7.5°	84.6	63.0	44.4	27.9	15.4	12.4	7.0
5°	92.0	66.5	46.0	28.5	15.5	12.3	7.0
2.5°	99.2	69.9	47.4	29.1	15.6	12.3	7.0
0°	106.1	73.1	48.7	29.6	15.7	12.2	7.0
-2.5°	133.8	89.0	56.9	33.2	16.9	12.5	7.0
-5°	160.8	104.4	64.9	36.7	18.1	12.7	7.0
-7.5°	186.7	119.2	72.5	40.1	19.2	12.9	7.0
-10°	211.1	133.2	79.7	43.2	20.4	13.2	7.0
-12.5°	233.7	146.2	86.4	46.1	21.4	13.4	7.0
-15°	254.2	158.0	92.4	48.8	22.4	13.6	7.0
-17.5°	272.3	168.5	97.8	51.1	23.3	13.7	7.0
-20°	289.3	177.5	102.5	53.2	24.2	13.9	7.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	306.4	184.9	106.3	54.8	24.9	14.0	7.0
-25°	321.0	194.3	109.3	56.1	25.6	14.1	7.0
-27.5°	332.9	203.4	111.2	57.0	26.1	14.2	7.0
-30°	342.1	210.6	112.6	57.5	26.6	14.2	7.0
-32.5°	348.3	215.6	116.3	57.5	26.9	14.2	7.0
-35°	353.1	218.4	118.6	57.0	27.2	14.2	7.0
-37.5°	355.5	219.8	119.5	56.1	27.3	14.2	7.0
-40°	354.6	220.2	119.0	54.7	27.2	14.1	7.0
-42.5°	350.4	218.4	118.2	53.3	27.1	14.0	7.0
-45°	343.0	214.3	117.1	52.4	26.8	13.9	7.0
-47.5°	332.3	208.0	114.7	50.8	26.5	13.8	7.0
-50°	320.5	199.5	111.2	50.3	26.0	13.6	7.0
-52.5°	306.0	188.7	106.4	49.8	25.3	13.4	7.0
-55°	288.4	179.2	100.4	48.8	24.6	13.1	7.0
-57.5°	267.9	168.4	93.4	47.3	23.7	12.9	7.0
-60°	245.1	155.9	85.4	45.2	22.8	12.6	7.0
-62.5°	225.0	141.8	80.2	42.7	21.9	12.3	7.0
-65°	202.7	126.2	74.2	39.8	21.0	12.0	7.0
-67.5°	178.4	112.0	67.4	36.4	20.0	11.6	7.0
-70°	152.2	99.4	59.9	32.7	18.9	11.3	7.0
-72.5°	130.9	85.9	51.8	29.9	17.8	10.9	7.0
-75°	109.3	71.5	43.1	27.3	16.6	10.5	7.0
-77.5°	86.6	56.3	37.3	24.5	15.3	10.1	7.0
-80°	63.0	45.4	32.0	21.6	14.1	9.6	7.0
-82.5°	49.2	36.8	26.6	18.6	12.8	9.2	7.0
-85°	36.4	28.0	21.0	15.5	11.4	8.8	7.0
-87.5°	23.5	19.0	15.3	12.3	10.1	8.3	7.0
-90°	7.0	7.0	7.0	7.0	7.0	7.0	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

