

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: P731423 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-7F-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731423 (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-08-0320N-57-70-7F-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

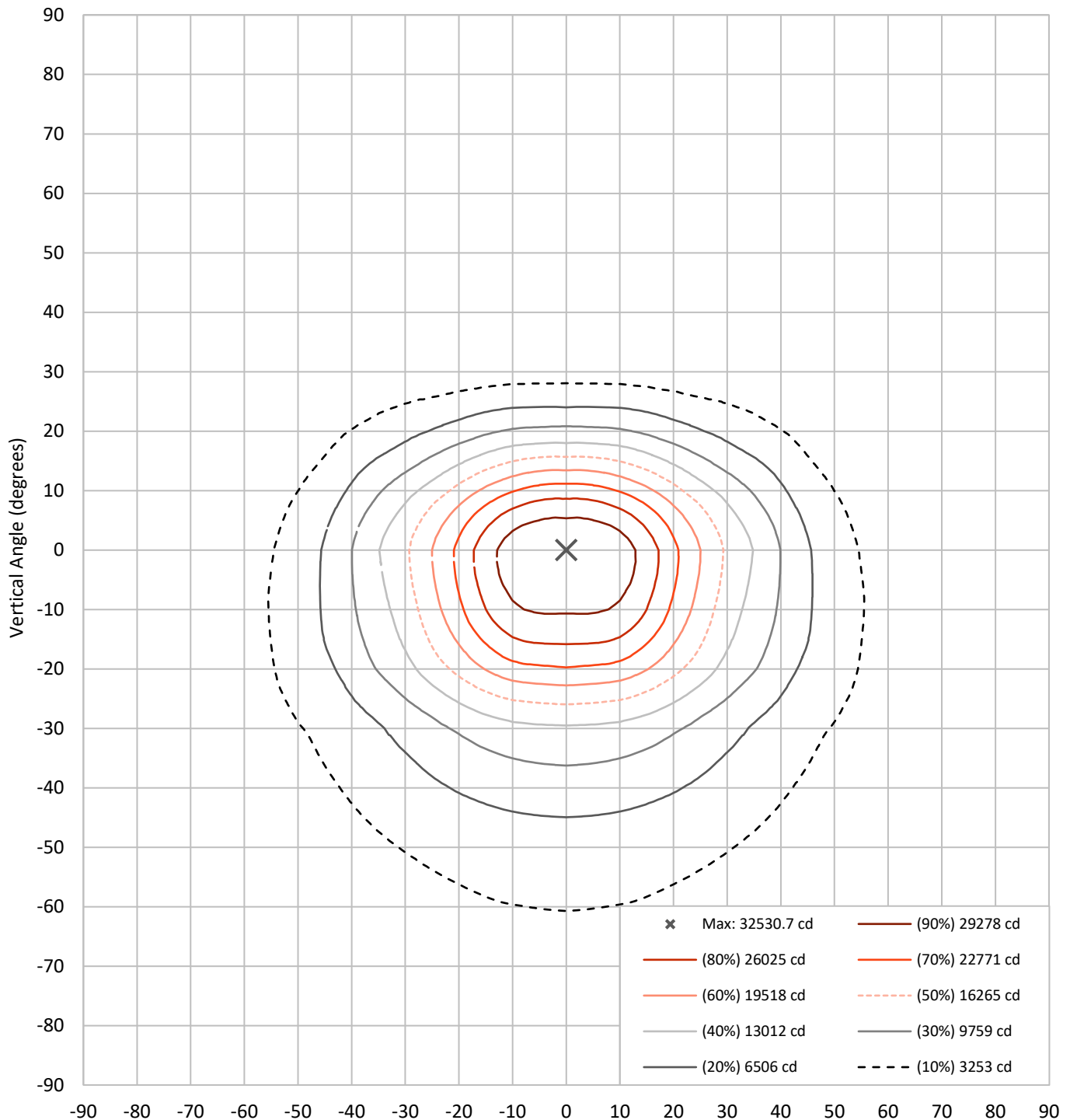
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	28460.5 lumens	Max Intensity:	32530.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.3 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:	13797.4 lumens	Field Lumens:	25848.9 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 345.8
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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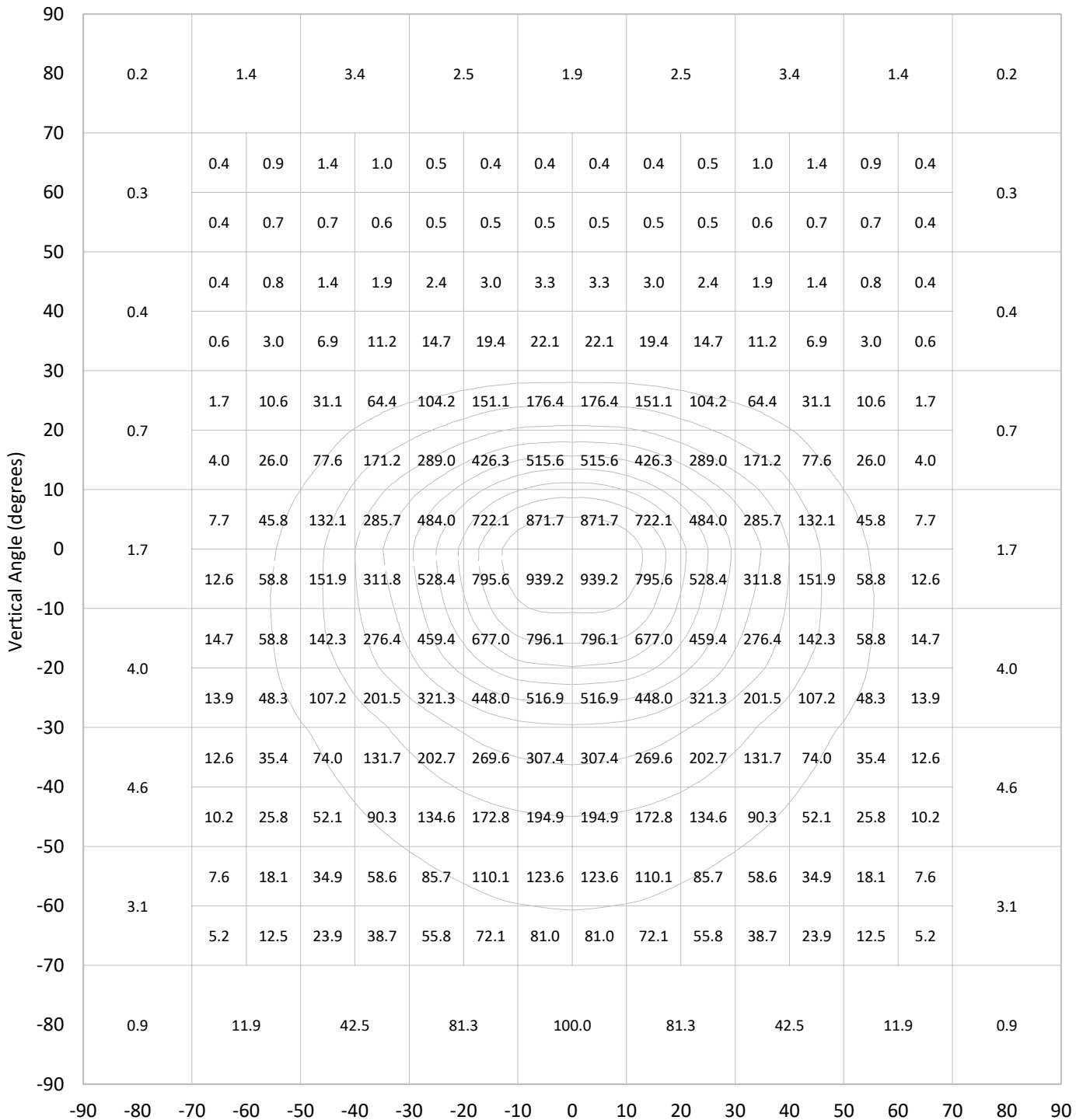
Iso-Candela Plot





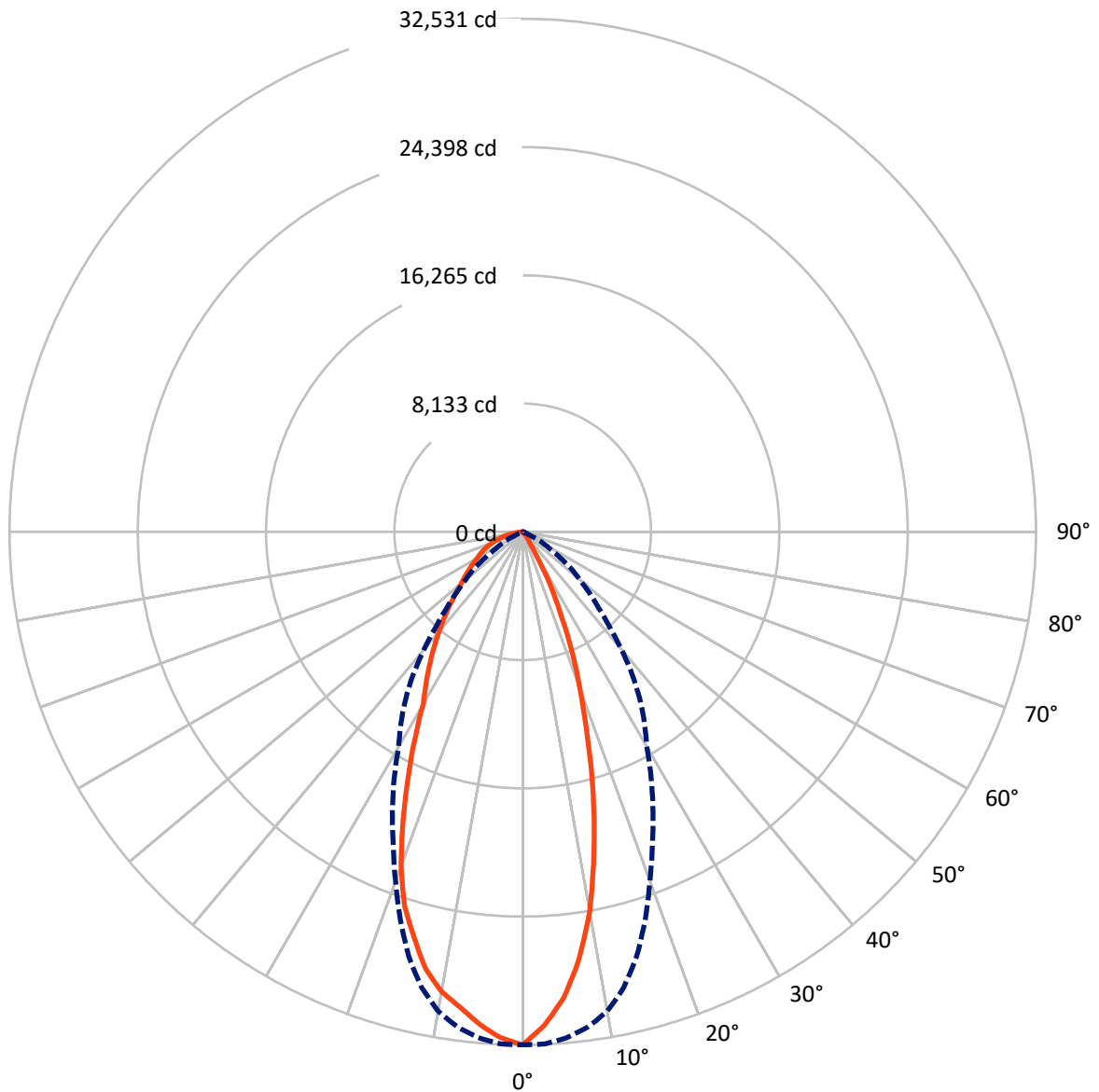
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Lumen Table



REPORT NUMBER: P731423 (CONVERTED FROM TYPE C PHOTOMETRY)
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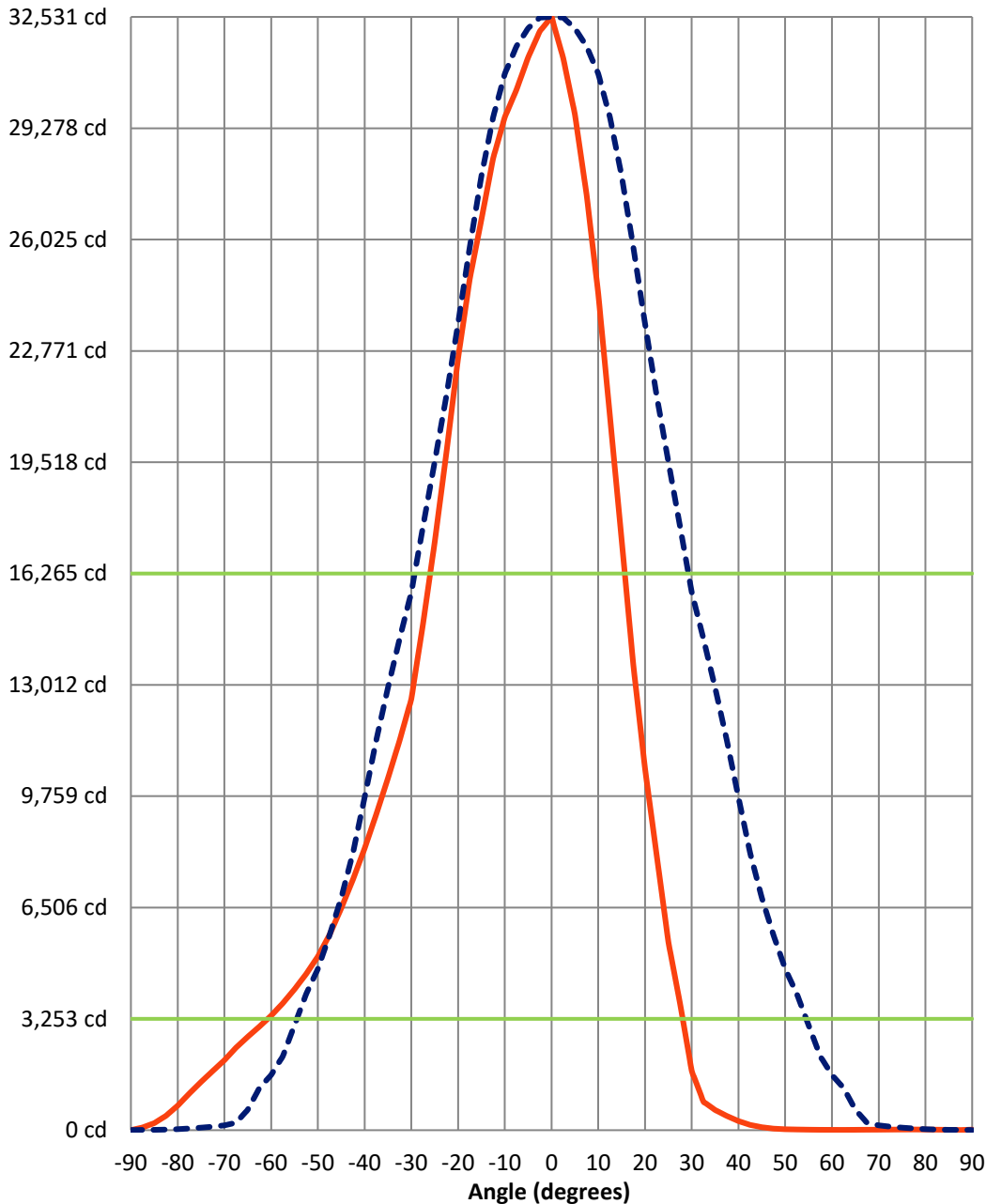
Luminous Intensity Polar Plot



— 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: 13797.4
Efficiency: 48.5%

Field:
H Angle: 109°
V Angle: 88.8°
Lumens: 25848.9
Efficiency: 90.8%

Spill:
Lumens: 2611.7
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°	4.6	5.2	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0
87.5°	4.6	4.8	5.0	5.3	5.7	6.1	6.7	6.8	6.9	7.0	7.0
85°	4.6	4.9	5.4	6.0	6.8	7.7	8.7	9.1	9.3	9.4	9.4
82.5°	4.6	5.1	5.8	6.7	7.8	9.2	10.8	11.3	11.7	12.4	13.9
80°	4.6	5.3	6.2	7.4	8.9	10.7	12.6	12.9	14.1	16.3	19.5
77.5°	4.6	5.5	6.5	8.0	9.9	11.7	12.8	14.0	16.3	19.9	23.7
75°	4.6	5.6	6.9	8.7	10.7	11.7	13.0	14.9	18.3	21.3	24.4
72.5°	4.6	5.8	7.3	9.3	10.7	11.7	13.1	15.7	18.8	21.9	25.1
70°	4.6	5.9	7.6	9.8	10.6	11.7	13.3	16.1	19.3	22.5	26.0
67.5°	4.6	6.1	8.0	9.7	10.5	11.7	13.7	16.5	19.7	23.4	27.0
65°	4.6	6.2	8.3	9.5	10.4	11.9	14.2	16.8	20.5	24.2	28.3
62.5°	4.6	6.4	8.6	9.4	10.3	12.3	14.6	17.3	21.1	25.2	30.4
60°	4.6	6.5	8.9	9.2	10.1	12.7	15.0	17.8	21.8	26.9	32.4
57.5°	4.6	6.7	8.9	9.1	10.4	13.1	15.7	18.4	22.9	28.4	33.3
55°	4.6	6.8	8.8	8.9	10.7	13.4	16.5	19.2	24.1	29.7	33.8
52.5°	4.6	6.9	8.8	8.7	11.0	13.8	17.2	20.5	25.2	30.3	34.4
50°	4.6	7.1	8.8	8.5	11.3	14.5	17.9	21.8	26.1	30.9	33.5
47.5°	4.6	7.2	8.7	8.4	11.6	15.1	18.7	23.2	26.7	31.5	32.5
45°	4.6	7.3	8.7	8.6	11.8	15.7	19.9	24.5	28.1	30.8	31.6
42.5°	4.6	7.4	8.7	8.8	12.0	16.3	21.0	26.0	29.8	30.2	30.7
40°	4.6	7.5	8.8	9.1	12.4	16.9	22.2	27.5	31.4	29.9	30.0
37.5°	4.6	7.6	8.8	9.6	12.8	17.5	23.3	29.2	32.7	31.6	29.7
35°	4.6	7.6	8.9	10.1	13.3	18.3	24.4	31.0	34.5	34.2	31.9
32.5°	4.6	7.7	8.9	10.6	13.7	19.1	25.5	32.9	36.7	37.4	41.0
30°	4.6	7.8	9.0	11.1	14.0	19.9	27.0	34.8	39.2	41.3	50.3
27.5°	4.6	7.8	9.1	11.6	15.2	20.6	28.5	36.8	42.2	45.9	59.8
25°	4.6	7.9	9.2	12.2	16.4	21.3	30.0	38.9	45.8	52.9	70.4
22.5°	4.6	7.9	9.3	12.7	17.7	22.6	31.5	41.2	49.8	61.0	104.4
20°	4.6	8.0	9.4	13.2	19.1	25.5	32.9	43.6	54.1	69.0	140.4
17.5°	4.6	8.0	9.5	13.8	20.5	28.5	36.7	46.1	58.5	76.9	177.7
15°	4.6	8.0	9.6	14.3	21.9	31.6	42.1	51.2	63.2	84.7	215.5
12.5°	4.6	8.0	9.7	14.8	23.3	34.8	47.6	59.6	72.8	92.2	253.2
10°	4.6	8.0	9.8	15.3	24.7	38.0	53.1	68.1	86.5	114.8	302.9
7.5°	4.6	8.0	10.0	15.8	26.0	41.2	58.6	76.7	100.5	140.4	380.1
5°	4.6	8.0	10.1	16.3	27.3	44.4	63.9	85.2	114.5	166.3	456.9
2.5°	4.6	8.0	10.2	16.7	28.5	47.4	69.2	93.6	128.2	192.1	530.9
0°	4.6	8.0	10.3	17.1	29.7	50.3	74.2	101.7	141.6	217.0	599.6
-2.5°	4.6	8.1	11.0	19.6	35.5	61.1	93.5	133.5	191.7	297.9	705.7
-5°	4.6	8.3	11.8	22.1	41.1	71.5	112.2	164.4	240.4	375.9	802.7
-7.5°	4.6	8.4	12.5	24.5	46.5	81.5	130.1	194.1	286.9	449.6	889.1
-10°	4.6	8.5	13.2	26.7	51.6	90.9	147.0	222.1	330.5	517.4	963.8
-12.5°	4.6	8.6	13.8	28.8	56.3	99.7	162.5	248.0	370.6	575.6	992.0
-15°	4.6	8.7	14.4	30.7	60.6	107.6	176.6	271.3	405.7	611.3	996.4
-17.5°	4.6	8.8	15.0	32.4	64.4	114.6	188.8	293.5	436.0	641.8	994.8
-20°	4.6	8.9	15.5	33.9	67.7	120.7	200.9	314.2	462.1	666.8	988.0



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-7F-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	9.0	15.9	35.1	70.5	125.6	213.7	331.9	483.9	686.3	976.5
-25°	4.6	9.0	16.3	36.0	72.6	132.1	224.2	346.4	501.0	700.0	961.0
-27.5°	4.6	9.0	16.6	36.7	74.0	138.2	232.5	357.4	513.3	711.2	970.7
-30°	4.6	9.1	16.9	37.0	75.0	142.9	238.3	364.9	523.5	723.1	974.6
-32.5°	4.6	9.1	17.0	37.0	77.3	145.9	241.6	370.6	530.7	728.4	971.2
-35°	4.6	9.0	17.1	36.7	78.7	147.3	244.2	373.4	532.9	726.9	960.4
-37.5°	4.6	9.0	17.2	36.1	79.1	147.6	245.2	372.6	529.9	718.5	913.5
-40°	4.6	9.0	17.1	35.1	78.6	147.7	243.6	368.0	521.9	708.3	866.5
-42.5°	4.6	8.9	17.0	34.1	77.9	146.2	239.4	359.8	511.5	674.3	816.6
-45°	4.6	8.8	16.8	33.5	77.2	143.2	232.8	349.6	497.6	635.1	765.0
-47.5°	4.6	8.7	16.5	32.4	75.6	138.7	223.6	338.2	478.5	593.9	719.1
-50°	4.6	8.6	16.1	32.1	73.2	132.6	215.0	323.5	445.0	556.3	671.1
-52.5°	4.6	8.5	15.7	31.8	70.0	125.1	204.9	305.5	413.6	517.0	621.8
-55°	4.6	8.3	15.1	31.0	66.1	118.7	192.6	284.8	382.1	476.2	576.6
-57.5°	4.6	8.2	14.5	30.0	61.4	111.6	178.4	266.0	349.2	437.8	529.9
-60°	4.6	8.0	13.9	28.5	56.2	103.4	162.7	242.3	315.9	399.1	483.2
-62.5°	4.6	7.8	13.4	26.7	52.4	94.2	149.6	216.3	285.0	358.8	438.3
-65°	4.6	7.6	12.8	24.6	48.0	83.9	134.9	190.8	252.4	319.9	391.9
-67.5°	4.6	7.4	12.2	22.3	43.1	74.1	119.0	168.3	218.3	279.9	345.1
-70°	4.6	7.2	11.6	19.6	37.7	65.0	101.9	144.7	189.1	238.3	296.9
-72.5°	4.6	7.0	11.0	17.9	31.9	55.2	86.6	120.1	158.7	201.5	248.3
-75°	4.6	6.7	10.3	16.4	25.6	44.7	70.8	97.8	127.3	163.5	203.2
-77.5°	4.6	6.5	9.6	14.8	22.1	33.7	54.3	76.0	99.8	126.1	156.7
-80°	4.6	6.2	8.8	13.1	19.1	26.6	37.1	53.7	72.2	92.7	115.1
-82.5°	4.6	6.0	8.1	11.4	16.0	21.8	28.8	35.5	44.0	58.6	74.7
-85°	4.6	5.7	7.3	9.6	12.8	16.8	21.6	26.1	31.2	36.7	42.6
-87.5°	4.6	5.4	6.5	7.8	9.6	11.7	14.3	16.7	19.3	22.2	25.4
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P731423 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.3	8.6	8.8	9.1	9.4	9.7	10.0	10.3	10.9	11.5	12.0
87.5°	7.4	7.7	8.1	8.5	7.8	6.9	6.0	5.0	5.3	5.6	5.9
85°	10.1	10.8	11.8	12.6	12.0	11.5	11.2	10.9	11.6	12.1	12.5
82.5°	15.3	16.3	16.9	17.2	17.6	18.1	19.1	21.1	22.4	23.2	23.5
80°	21.0	21.8	22.4	24.0	26.7	30.0	33.7	37.8	38.9	38.7	37.9
77.5°	24.6	26.0	28.7	32.6	37.1	41.7	46.8	52.3	53.7	53.0	51.9
75°	26.7	29.9	34.3	39.8	45.7	51.8	58.4	64.4	65.8	63.9	61.6
72.5°	28.5	33.2	39.1	46.3	53.1	59.4	66.1	73.0	75.7	72.5	68.2
70°	30.1	36.0	43.3	51.0	58.7	65.4	71.9	79.4	84.2	78.2	68.9
67.5°	31.5	38.9	46.9	54.8	61.4	68.1	75.9	79.2	80.9	71.3	61.4
65°	33.7	41.6	48.7	55.4	62.2	65.5	68.1	70.6	69.6	58.6	48.1
62.5°	35.8	42.3	48.8	54.2	56.4	58.4	58.0	55.7	52.1	45.3	37.1
60°	36.6	42.1	46.8	49.1	49.9	48.1	45.4	43.2	40.2	34.4	28.9
57.5°	37.0	40.2	42.9	43.5	41.5	38.6	37.6	34.6	32.4	28.7	23.8
55°	36.7	37.2	38.5	36.9	35.3	34.2	32.5	31.6	28.5	25.0	21.4
52.5°	35.1	34.6	33.5	32.7	33.2	33.0	32.4	30.8	27.9	24.5	22.4
50°	33.8	31.7	29.9	32.4	34.7	36.6	33.7	31.9	31.8	30.2	26.9
47.5°	32.0	29.4	31.0	34.9	41.5	43.9	39.8	39.7	41.0	44.3	40.3
45°	30.5	31.4	34.0	43.8	51.8	55.6	56.2	51.7	62.7	66.4	65.3
42.5°	29.3	35.8	47.5	54.3	67.3	75.4	78.5	85.1	91.6	99.5	101.5
40°	33.6	41.5	67.9	79.5	87.6	101.3	117.8	128.6	130.6	142.7	148.1
37.5°	39.2	64.7	95.7	115.8	115.3	139.1	163.9	189.8	204.5	193.0	219.5
35°	45.5	91.9	135.8	165.1	172.6	187.3	231.0	280.7	328.8	300.7	314.4
32.5°	64.4	123.1	182.7	227.6	271.2	281.1	308.2	443.0	530.3	531.7	461.5
30°	95.1	166.9	238.6	299.9	400.7	447.0	490.2	657.7	804.5	898.9	919.0
27.5°	133.7	217.1	307.0	417.3	560.2	643.7	783.8	963.6	1194.5	1367.4	1486.9
25°	177.1	294.6	381.8	565.7	750.6	903.9	1100.6	1348.1	1671.9	1949.0	2207.7
22.5°	232.8	384.5	500.4	732.0	961.5	1185.2	1458.3	1814.2	2226.3	2586.6	2953.2
20°	303.0	486.8	655.1	937.2	1201.4	1470.6	1821.0	2315.9	2837.5	3346.9	3822.6
17.5°	378.9	594.5	828.3	1171.7	1529.0	1833.5	2200.4	2836.9	3481.2	4180.9	4873.6
15°	458.9	706.1	1000.1	1427.4	1880.8	2295.3	2780.6	3429.1	4195.2	5092.6	5986.4
12.5°	541.0	819.7	1168.6	1698.1	2247.7	2765.6	3383.5	4123.5	5003.1	6067.2	7151.0
10°	623.3	933.4	1332.0	1976.6	2622.6	3238.2	3971.2	4793.8	5799.6	6995.3	8221.3
7.5°	772.3	1082.9	1501.5	2255.2	2997.8	3706.1	4538.6	5435.6	6553.9	7883.2	9224.1
5°	931.5	1266.9	1732.7	2547.5	3352.0	4116.7	5048.7	6042.8	7260.2	8719.3	10173.4
2.5°	1086.1	1444.0	1953.3	2820.5	3677.7	4429.8	5391.8	6437.1	7726.3	9303.2	10894.4
0°	1231.3	1612.8	2161.0	3067.9	3977.1	4712.7	5696.1	6788.0	8094.7	9721.2	11395.6
-2.5°	1362.4	1767.1	2335.8	3219.3	4069.6	4782.7	5773.1	6868.1	8160.5	9722.7	11270.6
-5°	1477.7	1910.8	2494.3	3345.6	4138.6	4829.1	5809.6	6900.4	8167.8	9652.8	11098.1
-7.5°	1575.9	2043.2	2635.2	3436.6	4175.4	4866.3	5817.4	6888.9	8124.7	9525.7	10894.3
-10°	1641.5	2097.8	2644.0	3413.0	4165.3	4881.3	5790.8	6833.7	8023.6	9345.3	10641.7
-12.5°	1599.1	2077.6	2612.6	3360.4	4130.6	4861.9	5728.8	6737.0	7866.5	9121.9	10343.3
-15°	1551.1	2044.1	2561.3	3277.9	4071.2	4806.0	5633.3	6600.9	7597.0	8756.1	9961.2
-17.5°	1500.0	1996.7	2489.7	3164.8	3987.6	4711.5	5456.4	6242.0	7155.9	8292.8	9483.2
-20°	1447.9	1935.0	2397.1	3020.6	3872.8	4471.3	5081.0	5811.3	6677.9	7736.2	8928.0



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-7F-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1397.2	1858.6	2299.4	2893.8	3566.8	4131.6	4682.5	5339.7	6126.7	7084.4	8128.7
-25°	1358.9	1779.5	2204.8	2686.5	3245.2	3786.5	4254.9	4837.5	5553.4	6372.6	7198.8
-27.5°	1329.2	1709.3	2070.9	2482.0	2942.9	3438.5	3854.5	4354.7	5028.9	5685.0	6322.7
-30°	1297.6	1616.4	1935.3	2293.4	2700.8	3111.8	3472.8	3960.9	4560.7	5126.9	5634.5
-32.5°	1236.6	1518.2	1816.5	2139.3	2480.9	2819.5	3197.3	3659.7	4161.0	4647.9	5055.1
-35°	1164.4	1426.1	1702.1	1987.0	2275.7	2603.0	2979.2	3375.9	3800.1	4240.3	4704.3
-37.5°	1103.7	1330.2	1584.4	1845.9	2112.4	2417.3	2753.9	3118.2	3494.3	3887.9	4342.1
-40°	1038.6	1230.8	1472.6	1714.8	1960.1	2234.4	2543.8	2866.9	3204.0	3576.7	3969.9
-42.5°	970.7	1153.7	1360.8	1581.2	1811.2	2057.0	2326.1	2626.5	2936.3	3263.7	3614.9
-45°	912.2	1072.7	1250.5	1455.8	1660.5	1877.8	2121.0	2382.7	2673.5	2964.9	3270.6
-47.5°	850.8	992.2	1157.3	1328.5	1516.5	1709.1	1912.7	2159.3	2410.3	2677.6	2942.4
-50°	789.4	921.8	1060.4	1218.2	1379.3	1548.2	1726.8	1947.2	2177.6	2402.3	2634.5
-52.5°	734.5	848.6	978.7	1112.6	1256.3	1402.8	1568.3	1760.1	1963.1	2163.2	2369.9
-55°	677.6	784.4	898.9	1019.6	1142.9	1273.2	1425.6	1596.4	1763.3	1949.6	2134.6
-57.5°	623.7	722.3	826.4	932.9	1043.7	1156.3	1303.0	1445.0	1600.0	1754.6	1915.1
-60°	571.0	662.3	757.8	854.4	950.4	1063.3	1187.8	1320.0	1452.0	1583.4	1733.5
-62.5°	517.8	605.0	692.0	779.6	868.8	973.5	1092.2	1208.7	1321.2	1446.3	1573.7
-65°	466.9	546.5	628.7	709.5	788.7	890.2	997.2	1107.4	1216.8	1321.8	1430.0
-67.5°	414.0	486.6	562.4	640.2	716.4	804.4	899.9	1000.3	1102.3	1199.0	1298.1
-70°	358.5	424.0	492.3	562.9	636.8	715.2	796.9	884.8	975.1	1060.5	1146.8
-72.5°	300.8	357.5	417.9	481.8	546.0	613.3	684.9	760.4	834.3	905.9	980.4
-75°	244.5	289.0	339.5	393.4	448.1	504.9	564.7	626.3	685.6	743.8	803.7
-77.5°	189.3	224.5	262.8	304.1	345.0	389.2	436.0	485.1	531.3	576.6	622.5
-80°	136.5	158.6	186.6	217.2	248.0	279.5	311.8	344.8	374.3	405.4	438.8
-82.5°	89.9	105.8	122.5	139.9	157.4	175.5	195.1	218.4	237.9	257.2	276.6
-85°	47.5	52.4	62.5	73.1	83.3	94.0	105.0	116.4	126.5	136.1	145.3
-87.5°	27.9	30.5	33.2	36.0	38.3	40.5	42.8	45.0	48.1	51.2	54.3
-90°	4.6	4.6	4.6	4.6	4.3	4.0	3.7	3.4	3.4	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	12.6	13.2	13.7	14.3	14.8	15.1	15.4	15.7	16.0	16.3	16.6
87.5°	6.3	6.1	5.9	5.7	5.5	6.8	8.2	9.6	11.1	10.1	9.1
85°	12.7	12.7	12.6	12.4	12.2	14.1	16.1	18.0	19.9	18.2	16.4
82.5°	23.4	23.0	22.2	21.0	19.6	19.4	19.0	18.4	17.5	16.7	16.0
80°	36.8	35.1	32.9	30.2	27.2	25.6	24.0	22.2	20.3	19.7	19.3
77.5°	49.9	46.5	42.6	38.4	33.8	30.9	28.4	25.7	22.8	22.0	21.6
75°	58.9	54.7	48.9	42.8	36.3	32.0	28.8	25.6	22.5	21.4	20.7
72.5°	63.0	56.9	49.7	41.5	33.7	28.5	25.4	22.4	19.7	18.6	18.1
70°	59.8	51.1	43.0	35.2	27.9	23.0	20.7	18.7	17.1	16.2	15.8
67.5°	51.1	42.2	34.5	27.6	21.9	18.2	16.9	15.8	14.8	14.2	14.0
65°	39.6	32.7	26.7	21.9	18.0	15.5	14.5	13.5	12.6	12.0	11.8
62.5°	30.0	24.6	20.8	17.7	15.3	13.6	12.9	12.2	11.7	11.3	11.1
60°	24.0	19.5	17.1	15.5	14.1	12.8	12.6	12.5	12.3	12.1	11.6
57.5°	20.6	17.8	16.0	15.6	15.0	14.1	13.9	13.8	13.3	12.6	12.1
55°	19.6	19.0	18.2	18.5	18.5	17.8	16.7	16.0	15.4	14.8	14.8
52.5°	21.9	23.3	24.1	24.0	22.9	21.1	19.2	19.5	19.8	20.2	20.5
50°	29.2	31.0	31.0	28.5	28.3	27.3	25.0	26.0	27.5	27.8	28.0
47.5°	40.5	42.3	43.5	39.0	39.7	42.2	39.6	38.9	43.7	45.9	46.9
45°	59.1	66.3	68.4	69.7	67.8	74.1	74.1	71.1	80.6	85.7	87.4
42.5°	98.4	110.6	120.2	123.1	120.8	128.6	134.6	134.2	146.0	154.4	156.6
40°	164.6	176.2	190.0	195.1	197.4	204.5	219.7	229.5	241.3	254.4	261.1
37.5°	249.7	267.7	270.5	281.1	294.4	301.1	324.1	343.8	359.9	384.5	400.2
35°	374.2	421.8	370.5	394.8	428.6	432.4	453.4	498.8	510.2	553.1	576.9
32.5°	604.0	692.6	681.0	598.5	671.0	753.2	661.6	824.6	810.0	855.8	914.1
30°	953.2	1210.9	1239.5	1118.9	1320.2	1429.3	1411.8	1574.1	1678.2	1665.3	1867.2
27.5°	1700.4	1907.1	2001.0	2174.1	2282.8	2443.7	2727.2	2892.4	3189.3	3345.1	3532.0
25°	2509.2	2753.6	3055.2	3352.9	3579.0	3935.9	4333.6	4646.4	5066.7	5330.5	5522.7
22.5°	3383.4	3815.1	4235.0	4649.8	5106.3	5597.7	6066.9	6608.9	7120.5	7498.2	7783.8
20°	4341.9	4939.3	5533.3	6102.6	6672.1	7329.2	7910.3	8561.6	9190.0	9736.3	10112.6
17.5°	5526.7	6151.4	6909.9	7671.7	8409.5	9223.2	10081.5	10811.7	11693.0	12420.8	12968.3
15°	6817.2	7599.5	8427.4	9380.1	10376.6	11383.4	12424.3	13498.0	14501.2	15431.7	16128.7
12.5°	8149.8	9123.4	10132.2	11187.2	12342.6	13595.5	14903.7	16181.5	17421.9	18444.8	19401.0
10°	9429.8	10646.7	11817.1	13053.4	14383.9	15785.6	17317.5	18839.6	20281.2	21541.1	22570.2
7.5°	10551.3	11872.5	13222.8	14738.7	16318.0	17888.8	19548.4	21255.8	22896.7	24348.9	25552.0
5°	11605.6	12984.0	14352.0	15982.9	17725.3	19527.8	21406.9	23324.9	25096.4	26738.3	28070.7
2.5°	12427.7	13877.4	15284.1	17072.3	18911.0	20746.7	22662.7	24759.8	26735.9	28520.7	29828.0
0°	12929.6	14360.7	15719.9	17638.8	19530.3	21457.1	23570.2	25802.0	27883.1	29592.9	30866.5
-2.5°	12756.0	14152.3	15626.9	17511.8	19511.4	21438.5	23576.2	25828.5	27896.0	29633.5	30877.2
-5°	12517.6	13886.6	15378.9	17264.9	19216.5	21141.4	23249.0	25463.9	27494.5	29203.8	30381.6
-7.5°	12224.6	13545.9	15001.1	16830.2	18770.9	20698.1	22749.7	24845.4	26787.4	28486.5	29594.8
-10°	11878.2	13130.7	14570.4	16329.7	18255.6	20113.3	22062.6	24138.3	26087.2	27632.4	28822.0
-12.5°	11518.8	12739.0	14076.0	15740.5	17584.2	19311.4	21172.5	23171.3	24888.4	26468.6	27514.0
-15°	11107.2	12277.5	13531.1	15065.3	16736.3	18353.0	19969.6	21732.3	23299.0	24704.1	25814.9
-17.5°	10630.8	11739.6	12839.9	14219.4	15819.3	17263.3	18678.7	20213.6	21606.5	22896.5	23858.1
-20°	9972.9	10885.3	11942.5	13262.3	14648.2	15866.1	17157.6	18447.0	19686.9	20779.0	21593.4



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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°	9030.5	9918.3	10897.7	11977.1	13136.6	14255.3	15360.8	16415.8	17424.6	18333.4	18988.9
-25°	8027.3	8838.3	9722.3	10619.6	11545.5	12547.6	13517.2	14388.0	15217.6	15919.7	16459.6
-27.5°	7030.6	7797.5	8570.4	9294.5	10035.1	10872.2	11720.8	12449.9	13152.5	13702.5	14123.4
-30°	6140.2	6960.1	7640.7	8133.4	8851.1	9585.5	10135.7	10799.1	11352.6	11703.6	12155.9
-32.5°	5649.7	6268.1	6885.1	7391.6	7961.9	8606.3	9127.4	9669.2	10136.4	10513.6	10798.0
-35°	5202.2	5745.6	6267.0	6788.1	7297.2	7814.8	8295.0	8752.5	9166.9	9500.5	9764.0
-37.5°	4800.1	5270.5	5742.5	6192.0	6649.4	7082.0	7494.3	7888.8	8237.2	8537.9	8786.3
-40°	4394.2	4814.4	5229.5	5636.0	6036.0	6389.1	6743.6	7069.6	7363.6	7629.7	7846.9
-42.5°	3986.7	4361.6	4725.1	5093.9	5448.9	5755.4	6048.0	6317.5	6569.6	6796.4	6983.8
-45°	3586.0	3917.1	4237.4	4564.8	4864.1	5143.5	5398.6	5625.5	5842.1	6033.2	6190.7
-47.5°	3224.9	3494.5	3780.4	4059.9	4319.6	4571.2	4794.3	4994.0	5184.1	5345.9	5474.5
-50°	2889.2	3135.4	3376.4	3602.8	3845.6	4066.2	4255.0	4439.0	4611.8	4756.2	4864.6
-52.5°	2573.6	2800.7	3017.5	3228.7	3439.4	3635.7	3816.8	3985.1	4136.0	4268.4	4362.3
-55°	2323.8	2509.4	2684.9	2888.2	3081.5	3256.0	3418.2	3581.6	3727.1	3855.7	3934.2
-57.5°	2087.3	2254.8	2421.9	2597.6	2767.6	2931.5	3085.6	3228.7	3362.8	3483.1	3550.7
-60°	1876.2	2011.4	2170.3	2332.4	2486.5	2632.8	2777.4	2911.7	3036.4	3141.1	3200.8
-62.5°	1699.4	1827.8	1962.2	2097.6	2231.1	2367.2	2498.4	2623.2	2741.5	2836.8	2894.9
-65°	1543.5	1659.8	1777.3	1897.2	2018.7	2138.6	2250.3	2359.9	2466.9	2548.6	2600.9
-67.5°	1396.7	1496.8	1595.6	1697.6	1802.3	1905.7	2004.2	2101.4	2196.6	2262.5	2303.5
-70°	1235.8	1324.2	1409.2	1495.2	1580.7	1664.7	1746.2	1827.4	1907.6	1960.6	1995.6
-72.5°	1057.5	1131.3	1200.4	1269.0	1338.9	1408.0	1475.0	1540.1	1603.0	1643.9	1674.2
-75°	865.0	921.3	974.9	1029.1	1083.3	1139.4	1194.7	1247.7	1298.2	1328.9	1352.5
-77.5°	669.1	708.9	746.7	784.8	822.8	866.3	910.4	953.1	994.2	1015.9	1032.1
-80°	472.5	500.4	526.3	550.9	574.4	602.1	630.0	657.0	683.0	695.4	704.5
-82.5°	296.0	312.4	327.7	342.3	356.0	370.9	384.9	398.1	410.2	416.1	420.6
-85°	154.0	161.1	167.7	173.8	179.4	186.2	192.7	198.7	204.3	206.1	207.2
-87.5°	57.5	59.6	61.7	63.6	65.5	68.1	70.7	73.2	75.6	76.2	76.8
-90°	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3	2.3	2.3



REPORT NUMBER: P731423 (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°
90°	16.8	17.1	17.1	17.1	17.1	17.1	16.8	16.6	16.3	16.0	15.7
87.5°	8.0	6.9	6.3	5.7	6.3	6.9	8.0	9.1	10.1	11.1	9.6
85°	14.5	12.6	12.0	11.4	12.0	12.6	14.5	16.4	18.2	19.9	18.0
82.5°	15.4	14.8	14.8	14.8	14.8	14.8	15.4	16.0	16.7	17.5	18.4
80°	18.8	18.3	18.3	18.3	18.3	18.3	18.8	19.3	19.7	20.3	22.2
77.5°	21.1	20.6	20.6	20.6	20.6	20.6	21.1	21.6	22.0	22.8	25.7
75°	20.1	19.5	19.4	19.4	19.4	19.5	20.1	20.7	21.4	22.5	25.6
72.5°	17.6	17.2	17.1	17.1	17.1	17.2	17.6	18.1	18.6	19.7	22.4
70°	15.3	14.9	14.8	14.8	14.8	14.9	15.3	15.8	16.2	17.1	18.7
67.5°	13.8	13.7	13.7	13.7	13.7	13.7	13.8	14.0	14.2	14.8	15.8
65°	11.6	11.5	11.4	11.4	11.4	11.5	11.6	11.8	12.0	12.6	13.5
62.5°	10.8	10.4	9.8	9.1	9.8	10.4	10.8	11.1	11.3	11.7	12.2
60°	11.1	10.5	10.3	10.3	10.3	10.5	11.1	11.6	12.1	12.3	12.5
57.5°	11.8	11.5	11.4	11.4	11.4	11.5	11.8	12.1	12.6	13.3	13.8
55°	14.8	14.7	14.7	14.8	14.7	14.7	14.8	14.8	14.8	15.4	16.0
52.5°	20.6	20.5	20.5	20.6	20.5	20.5	20.6	20.5	20.2	19.8	19.5
50°	28.3	28.3	28.0	27.4	28.0	28.3	28.3	28.0	27.8	27.5	26.0
47.5°	47.6	46.9	46.1	45.7	46.1	46.9	47.6	46.9	45.9	43.7	38.9
45°	89.5	88.8	87.5	86.8	87.5	88.8	89.5	87.4	85.7	80.6	71.1
42.5°	160.2	159.0	156.0	154.2	156.0	159.0	160.2	156.6	154.4	146.0	134.2
40°	268.6	270.0	267.6	266.1	267.6	270.0	268.6	261.1	254.4	241.3	229.5
37.5°	412.8	418.8	418.1	415.8	418.1	418.8	412.8	400.2	384.5	359.9	343.8
35°	587.8	594.5	591.1	590.5	591.1	594.5	587.8	576.9	553.1	510.2	498.8
32.5°	870.3	860.5	823.6	833.8	823.6	860.5	870.3	914.1	855.8	810.0	824.6
30°	1880.8	1916.9	1813.9	1731.6	1813.9	1916.9	1880.8	1867.2	1665.3	1678.2	1574.1
27.5°	3550.5	3628.5	3613.9	3698.4	3613.9	3628.5	3550.5	3532.0	3345.1	3189.3	2892.4
25°	5598.1	5649.8	5653.1	5500.8	5653.1	5649.8	5598.1	5522.7	5330.5	5066.7	4646.4
22.5°	7889.6	7939.5	8030.6	8030.7	8030.6	7939.5	7889.6	7783.8	7498.2	7120.5	6608.9
20°	10374.2	10383.3	10557.2	10569.8	10557.2	10383.3	10374.2	10112.6	9736.3	9190.0	8561.6
17.5°	13353.6	13498.5	13733.6	13596.6	13733.6	13498.5	13353.6	12968.3	12420.8	11693.0	10811.7
15°	16788.3	17112.0	17363.4	17250.5	17363.4	17112.0	16788.3	16128.7	15431.7	14501.2	13498.0
12.5°	20161.3	20671.6	20914.6	20855.2	20914.6	20671.6	20161.3	19401.0	18444.8	17421.9	16181.5
10°	23372.0	24090.3	24348.3	24439.4	24348.3	24090.3	23372.0	22570.2	21541.1	20281.2	18839.6
7.5°	26450.1	27108.2	27499.4	27336.0	27499.4	27108.2	26450.1	25552.0	24348.9	22896.7	21255.8
5°	28920.4	29476.3	29792.3	29679.8	29792.3	29476.3	28920.4	28070.7	26738.3	25096.4	23324.9
2.5°	30669.9	31189.0	31462.9	31325.1	31462.9	31189.0	30669.9	29828.0	28520.7	26735.9	24759.8
0°	31669.4	32198.3	32508.4	32530.7	32508.4	32198.3	31669.4	30866.5	29592.9	27883.1	25802.0
-2.5°	31630.4	32004.0	32221.9	32110.9	32221.9	32004.0	31630.4	30877.2	29633.5	27896.0	25828.5
-5°	30968.2	31283.7	31396.9	31348.5	31396.9	31283.7	30968.2	30381.6	29203.8	27494.5	25463.9
-7.5°	30151.3	30383.9	30461.7	30403.9	30461.7	30383.9	30151.3	29594.8	28486.5	26787.4	24845.4
-10°	29361.0	29593.4	29632.8	29599.8	29632.8	29593.4	29361.0	28822.0	27632.4	26087.2	24138.3
-12.5°	28210.3	28462.2	28470.4	28393.7	28470.4	28462.2	28210.3	27514.0	26468.6	24888.4	23171.3
-15°	26415.6	26621.6	26654.8	26611.8	26654.8	26621.6	26415.6	25814.9	24704.1	23299.0	21732.3
-17.5°	24420.7	24557.1	24704.9	24870.0	24704.9	24557.1	24420.7	23858.1	22896.5	21606.5	20213.6
-20°	22025.6	22188.8	22363.2	22547.9	22363.2	22188.8	22025.6	21593.4	20779.0	19686.9	18447.0



REPORT NUMBER: P731423 (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°	19333.9	19517.2	19696.1	19789.6	19696.1	19517.2	19333.9	18988.9	18333.4	17424.6	16415.8
-25°	16730.0	16953.3	17094.6	17179.7	17094.6	16953.3	16730.0	16459.6	15919.7	15217.6	14388.0
-27.5°	14343.0	14607.7	14738.0	14793.6	14738.0	14607.7	14343.0	14123.4	13702.5	13152.5	12449.9
-30°	12332.5	12495.1	12517.6	12601.8	12517.6	12495.1	12332.5	12155.9	11703.6	11352.6	10799.1
-32.5°	11007.0	11187.6	11297.4	11389.9	11297.4	11187.6	11007.0	10798.0	10513.6	10136.4	9669.2
-35°	9968.6	10132.2	10239.8	10284.3	10239.8	10132.2	9968.6	9764.0	9500.5	9166.9	8752.5
-37.5°	8973.3	9096.9	9172.1	9232.3	9172.1	9096.9	8973.3	8786.3	8537.9	8237.2	7888.8
-40°	8013.6	8136.2	8210.6	8230.6	8210.6	8136.2	8013.6	7846.9	7629.7	7363.6	7069.6
-42.5°	7117.9	7212.3	7277.1	7321.4	7277.1	7212.3	7117.9	6983.8	6796.4	6569.6	6317.5
-45°	6306.8	6390.0	6447.7	6483.1	6447.7	6390.0	6306.8	6190.7	6033.2	5842.1	5625.5
-47.5°	5569.1	5636.0	5682.0	5708.7	5682.0	5636.0	5569.1	5474.5	5345.9	5184.1	4994.0
-50°	4945.5	5005.4	5047.8	5073.6	5047.8	5005.4	4945.5	4864.6	4756.2	4611.8	4439.0
-52.5°	4435.7	4493.8	4536.6	4564.2	4536.6	4493.8	4435.7	4362.3	4268.4	4136.0	3985.1
-55°	3999.3	4052.8	4091.4	4116.4	4091.4	4052.8	3999.3	3934.2	3855.7	3727.1	3581.6
-57.5°	3608.1	3655.3	3688.0	3708.7	3688.0	3655.3	3608.1	3550.7	3483.1	3362.8	3228.7
-60°	3251.8	3294.3	3324.4	3345.5	3324.4	3294.3	3251.8	3200.8	3141.1	3036.4	2911.7
-62.5°	2946.3	2990.9	3014.9	3027.9	3014.9	2990.9	2946.3	2894.9	2836.8	2741.5	2623.2
-65°	2649.0	2692.1	2715.3	2728.7	2715.3	2692.1	2649.0	2600.9	2548.6	2466.9	2359.9
-67.5°	2339.7	2370.7	2394.4	2412.3	2394.4	2370.7	2339.7	2303.5	2262.5	2196.6	2101.4
-70°	2025.8	2050.9	2051.7	2044.5	2051.7	2050.9	2025.8	1995.6	1960.6	1907.6	1827.4
-72.5°	1700.5	1722.5	1728.3	1728.1	1728.3	1722.5	1700.5	1674.2	1643.9	1603.0	1540.1
-75°	1372.8	1389.7	1401.0	1408.3	1401.0	1389.7	1372.8	1352.5	1328.9	1298.2	1247.7
-77.5°	1045.3	1055.5	1065.0	1071.4	1065.0	1055.5	1045.3	1032.1	1015.9	994.2	953.1
-80°	711.5	716.2	717.4	716.2	717.4	716.2	711.5	704.5	695.4	683.0	657.0
-82.5°	423.8	425.8	423.7	420.3	423.7	425.8	423.8	420.6	416.1	410.2	398.1
-85°	207.9	208.0	207.6	206.7	207.6	208.0	207.9	207.2	206.1	204.3	198.7
-87.5°	77.2	77.5	78.8	80.0	78.8	77.5	77.2	76.8	76.2	75.6	73.2
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.4	15.1	14.8	14.3	13.7	13.2	12.6	12.0	11.5	10.9	10.3
87.5°	8.2	6.8	5.5	5.7	5.9	6.1	6.3	5.9	5.6	5.3	5.0
85°	16.1	14.1	12.2	12.4	12.6	12.7	12.7	12.5	12.1	11.6	10.9
82.5°	19.0	19.4	19.6	21.0	22.2	23.0	23.4	23.5	23.2	22.4	21.1
80°	24.0	25.6	27.2	30.2	32.9	35.1	36.8	37.9	38.7	38.9	37.8
77.5°	28.4	30.9	33.8	38.4	42.6	46.5	49.9	51.9	53.0	53.7	52.3
75°	28.8	32.0	36.3	42.8	48.9	54.7	58.9	61.6	63.9	65.8	64.4
72.5°	25.4	28.5	33.7	41.5	49.7	56.9	63.0	68.2	72.5	75.7	73.0
70°	20.7	23.0	27.9	35.2	43.0	51.1	59.8	68.9	78.2	84.2	79.4
67.5°	16.9	18.2	21.9	27.6	34.5	42.2	51.1	61.4	71.3	80.9	79.2
65°	14.5	15.5	18.0	21.9	26.7	32.7	39.6	48.1	58.6	69.6	70.6
62.5°	12.9	13.6	15.3	17.7	20.8	24.6	30.0	37.1	45.3	52.1	55.7
60°	12.6	12.8	14.1	15.5	17.1	19.5	24.0	28.9	34.4	40.2	43.2
57.5°	13.9	14.1	15.0	15.6	16.0	17.8	20.6	23.8	28.7	32.4	34.6
55°	16.7	17.8	18.5	18.5	18.2	19.0	19.6	21.4	25.0	28.5	31.6
52.5°	19.2	21.1	22.9	24.0	24.1	23.3	21.9	22.4	24.5	27.9	30.8
50°	25.0	27.3	28.3	28.5	31.0	31.0	29.2	26.9	30.2	31.8	31.9
47.5°	39.6	42.2	39.7	39.0	43.5	42.3	40.5	40.3	44.3	41.0	39.7
45°	74.1	74.1	67.8	69.7	68.4	66.3	59.1	65.3	66.4	62.7	51.7
42.5°	134.6	128.6	120.8	123.1	120.2	110.6	98.4	101.5	99.5	91.6	85.1
40°	219.7	204.5	197.4	195.1	190.0	176.2	164.6	148.1	142.7	130.6	128.6
37.5°	324.1	301.1	294.4	281.1	270.5	267.7	249.7	219.5	193.0	204.5	189.8
35°	453.4	432.4	428.6	394.8	370.5	421.8	374.2	314.4	300.7	328.8	280.7
32.5°	661.6	753.2	671.0	598.5	681.0	692.6	604.0	461.5	531.7	530.3	443.0
30°	1411.8	1429.3	1320.2	1118.9	1239.5	1210.9	953.2	919.0	898.9	804.5	657.7
27.5°	2727.2	2443.7	2282.8	2174.1	2001.0	1907.1	1700.4	1486.9	1367.4	1194.5	963.6
25°	4333.6	3935.9	3579.0	3352.9	3055.2	2753.6	2509.2	2207.7	1949.0	1671.9	1348.1
22.5°	6066.9	5597.7	5106.3	4649.8	4235.0	3815.1	3383.4	2953.2	2586.6	2226.3	1814.2
20°	7910.3	7329.2	6672.1	6102.6	5533.3	4939.3	4341.9	3822.6	3346.9	2837.5	2315.9
17.5°	10081.5	9223.2	8409.5	7671.7	6909.9	6151.4	5526.7	4873.6	4180.9	3481.2	2836.9
15°	12424.3	11383.4	10376.6	9380.1	8427.4	7599.5	6817.2	5986.4	5092.6	4195.2	3429.1
12.5°	14903.7	13595.5	12342.6	11187.2	10132.2	9123.4	8149.8	7151.0	6067.2	5003.1	4123.5
10°	17317.5	15785.6	14383.9	13053.4	11817.1	10646.7	9429.8	8221.3	6995.3	5799.6	4793.8
7.5°	19548.4	17888.8	16318.0	14738.7	13222.8	11872.5	10551.3	9224.1	7883.2	6553.9	5435.6
5°	21406.9	19527.8	17725.3	15982.9	14352.0	12984.0	11605.6	10173.4	8719.3	7260.2	6042.8
2.5°	22662.7	20746.7	18911.0	17072.3	15284.1	13877.4	12427.7	10894.4	9303.2	7726.3	6437.1
0°	23570.2	21457.1	19530.3	17638.8	15719.9	14360.7	12929.6	11395.6	9721.2	8094.7	6788.0
-2.5°	23576.2	21438.5	19511.4	17511.8	15626.9	14152.3	12756.0	11270.6	9722.7	8160.5	6868.1
-5°	23249.0	21141.4	19216.5	17264.9	15378.9	13886.6	12517.6	11098.1	9652.8	8167.8	6900.4
-7.5°	22749.7	20698.1	18770.9	16830.2	15001.1	13545.9	12224.6	10894.3	9525.7	8124.7	6888.9
-10°	22062.6	20113.3	18255.6	16329.7	14570.4	13130.7	11878.2	10641.7	9345.3	8023.6	6833.7
-12.5°	21172.5	19311.4	17584.2	15740.5	14076.0	12739.0	11518.8	10343.3	9121.9	7866.5	6737.0
-15°	19969.6	18353.0	16736.3	15065.3	13531.1	12277.5	11107.2	9961.2	8756.1	7597.0	6600.9
-17.5°	18678.7	17263.3	15819.3	14219.4	12839.9	11739.6	10630.8	9483.2	8292.8	7155.9	6242.0
-20°	17157.6	15866.1	14648.2	13262.3	11942.5	10885.3	9972.9	8928.0	7736.2	6677.9	5811.3



REPORT NUMBER: P731423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-7F-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15360.8	14255.3	13136.6	11977.1	10897.7	9918.3	9030.5	8128.7	7084.4	6126.7	5339.7
-25°	13517.2	12547.6	11545.5	10619.6	9722.3	8838.3	8027.3	7198.8	6372.6	5553.4	4837.5
-27.5°	11720.8	10872.2	10035.1	9294.5	8570.4	7797.5	7030.6	6322.7	5685.0	5028.9	4354.7
-30°	10135.7	9585.5	8851.1	8133.4	7640.7	6960.1	6140.2	5634.5	5126.9	4560.7	3960.9
-32.5°	9127.4	8606.3	7961.9	7391.6	6885.1	6268.1	5649.7	5055.1	4647.9	4161.0	3659.7
-35°	8295.0	7814.8	7297.2	6788.1	6267.0	5745.6	5202.2	4704.3	4240.3	3800.1	3375.9
-37.5°	7494.3	7082.0	6649.4	6192.0	5742.5	5270.5	4800.1	4342.1	3887.9	3494.3	3118.2
-40°	6743.6	6389.1	6036.0	5636.0	5229.5	4814.4	4394.2	3969.9	3576.7	3204.0	2866.9
-42.5°	6048.0	5755.4	5448.9	5093.9	4725.1	4361.6	3986.7	3614.9	3263.7	2936.3	2626.5
-45°	5398.6	5143.5	4864.1	4564.8	4237.4	3917.1	3586.0	3270.6	2964.9	2673.5	2382.7
-47.5°	4794.3	4571.2	4319.6	4059.9	3780.4	3494.5	3224.9	2942.4	2677.6	2410.3	2159.3
-50°	4255.0	4066.2	3845.6	3602.8	3376.4	3135.4	2889.2	2634.5	2402.3	2177.6	1947.2
-52.5°	3816.8	3635.7	3439.4	3228.7	3017.5	2800.7	2573.6	2369.9	2163.2	1963.1	1760.1
-55°	3418.2	3256.0	3081.5	2888.2	2684.9	2509.4	2323.8	2134.6	1949.6	1763.3	1596.4
-57.5°	3085.6	2931.5	2767.6	2597.6	2421.9	2254.8	2087.3	1915.1	1754.6	1600.0	1445.0
-60°	2777.4	2632.8	2486.5	2332.4	2170.3	2011.4	1876.2	1733.5	1583.4	1452.0	1320.0
-62.5°	2498.4	2367.2	2231.1	2097.6	1962.2	1827.8	1699.4	1573.7	1446.3	1321.2	1208.7
-65°	2250.3	2138.6	2018.7	1897.2	1777.3	1659.8	1543.5	1430.0	1321.8	1216.8	1107.4
-67.5°	2004.2	1905.7	1802.3	1697.6	1595.6	1496.8	1396.7	1298.1	1199.0	1102.3	1000.3
-70°	1746.2	1664.7	1580.7	1495.2	1409.2	1324.2	1235.8	1146.8	1060.5	975.1	884.8
-72.5°	1475.0	1408.0	1338.9	1269.0	1200.4	1131.3	1057.5	980.4	905.9	834.3	760.4
-75°	1194.7	1139.4	1083.3	1029.1	974.9	921.3	865.0	803.7	743.8	685.6	626.3
-77.5°	910.4	866.3	822.8	784.8	746.7	708.9	669.1	622.5	576.6	531.3	485.1
-80°	630.0	602.1	574.4	550.9	526.3	500.4	472.5	438.8	405.4	374.3	344.8
-82.5°	384.9	370.9	356.0	342.3	327.7	312.4	296.0	276.6	257.2	237.9	218.4
-85°	192.7	186.2	179.4	173.8	167.7	161.1	154.0	145.3	136.1	126.5	116.4
-87.5°	70.7	68.1	65.5	63.6	61.7	59.6	57.5	54.3	51.2	48.1	45.0
-90°	2.9	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



REPORT NUMBER: P731423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-7F-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.0	9.7	9.4	9.1	8.8	8.6	8.3	8.0	7.7	7.5	7.2
87.5°	6.0	6.9	7.8	8.5	8.1	7.7	7.4	7.0	7.0	6.9	6.8
85°	11.2	11.5	12.0	12.6	11.8	10.8	10.1	9.4	9.4	9.3	9.1
82.5°	19.1	18.1	17.6	17.2	16.9	16.3	15.3	13.9	12.4	11.7	11.3
80°	33.7	30.0	26.7	24.0	22.4	21.8	21.0	19.5	16.3	14.1	12.9
77.5°	46.8	41.7	37.1	32.6	28.7	26.0	24.6	23.7	19.9	16.3	14.0
75°	58.4	51.8	45.7	39.8	34.3	29.9	26.7	24.4	21.3	18.3	14.9
72.5°	66.1	59.4	53.1	46.3	39.1	33.2	28.5	25.1	21.9	18.8	15.7
70°	71.9	65.4	58.7	51.0	43.3	36.0	30.1	26.0	22.5	19.3	16.1
67.5°	75.9	68.1	61.4	54.8	46.9	38.9	31.5	27.0	23.4	19.7	16.5
65°	68.1	65.5	62.2	55.4	48.7	41.6	33.7	28.3	24.2	20.5	16.8
62.5°	58.0	58.4	56.4	54.2	48.8	42.3	35.8	30.4	25.2	21.1	17.3
60°	45.4	48.1	49.9	49.1	46.8	42.1	36.6	32.4	26.9	21.8	17.8
57.5°	37.6	38.6	41.5	43.5	42.9	40.2	37.0	33.3	28.4	22.9	18.4
55°	32.5	34.2	35.3	36.9	38.5	37.2	36.7	33.8	29.7	24.1	19.2
52.5°	32.4	33.0	33.2	32.7	33.5	34.6	35.1	34.4	30.3	25.2	20.5
50°	33.7	36.6	34.7	32.4	29.9	31.7	33.8	33.5	30.9	26.1	21.8
47.5°	39.8	43.9	41.5	34.9	31.0	29.4	32.0	32.5	31.5	26.7	23.2
45°	56.2	55.6	51.8	43.8	34.0	31.4	30.5	31.6	30.8	28.1	24.5
42.5°	78.5	75.4	67.3	54.3	47.5	35.8	29.3	30.7	30.2	29.8	26.0
40°	117.8	101.3	87.6	79.5	67.9	41.5	33.6	30.0	29.9	31.4	27.5
37.5°	163.9	139.1	115.3	115.8	95.7	64.7	39.2	29.7	31.6	32.7	29.2
35°	231.0	187.3	172.6	165.1	135.8	91.9	45.5	31.9	34.2	34.5	31.0
32.5°	308.2	281.1	271.2	227.6	182.7	123.1	64.4	41.0	37.4	36.7	32.9
30°	490.2	447.0	400.7	299.9	238.6	166.9	95.1	50.3	41.3	39.2	34.8
27.5°	783.8	643.7	560.2	417.3	307.0	217.1	133.7	59.8	45.9	42.2	36.8
25°	1100.6	903.9	750.6	565.7	381.8	294.6	177.1	70.4	52.9	45.8	38.9
22.5°	1458.3	1185.2	961.5	732.0	500.4	384.5	232.8	104.4	61.0	49.8	41.2
20°	1821.0	1470.6	1201.4	937.2	655.1	486.8	303.0	140.4	69.0	54.1	43.6
17.5°	2200.4	1833.5	1529.0	1171.7	828.3	594.5	378.9	177.7	76.9	58.5	46.1
15°	2780.6	2295.3	1880.8	1427.4	1000.1	706.1	458.9	215.5	84.7	63.2	51.2
12.5°	3383.5	2765.6	2247.7	1698.1	1168.6	819.7	541.0	253.2	92.2	72.8	59.6
10°	3971.2	3238.2	2622.6	1976.6	1332.0	933.4	623.3	302.9	114.8	86.5	68.1
7.5°	4538.6	3706.1	2997.8	2255.2	1501.5	1082.9	772.3	380.1	140.4	100.5	76.7
5°	5048.7	4116.7	3352.0	2547.5	1732.7	1266.9	931.5	456.9	166.3	114.5	85.2
2.5°	5391.8	4429.8	3677.7	2820.5	1953.3	1444.0	1086.1	530.9	192.1	128.2	93.6
0°	5696.1	4712.7	3977.1	3067.9	2161.0	1612.8	1231.3	599.6	217.0	141.6	101.7
-2.5°	5773.1	4782.7	4069.6	3219.3	2335.8	1767.1	1362.4	705.7	297.9	191.7	133.5
-5°	5809.6	4829.1	4138.6	3345.6	2494.3	1910.8	1477.7	802.7	375.9	240.4	164.4
-7.5°	5817.4	4866.3	4175.4	3436.6	2635.2	2043.2	1575.9	889.1	449.6	286.9	194.1
-10°	5790.8	4881.3	4165.3	3413.0	2644.0	2097.8	1641.5	963.8	517.4	330.5	222.1
-12.5°	5728.8	4861.9	4130.6	3360.4	2612.6	2077.6	1599.1	992.0	575.6	370.6	248.0
-15°	5633.3	4806.0	4071.2	3277.9	2561.3	2044.1	1551.1	996.4	611.3	405.7	271.3
-17.5°	5456.4	4711.5	3987.6	3164.8	2489.7	1996.7	1500.0	994.8	641.8	436.0	293.5
-20°	5081.0	4471.3	3872.8	3020.6	2397.1	1935.0	1447.9	988.0	666.8	462.1	314.2



REPORT NUMBER: P731423 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	4682.5	4131.6	3566.8	2893.8	2299.4	1858.6	1397.2	976.5	686.3	483.9	331.9
-25°	4254.9	3786.5	3245.2	2686.5	2204.8	1779.5	1358.9	961.0	700.0	501.0	346.4
-27.5°	3854.5	3438.5	2942.9	2482.0	2070.9	1709.3	1329.2	970.7	711.2	513.3	357.4
-30°	3472.8	3111.8	2700.8	2293.4	1935.3	1616.4	1297.6	974.6	723.1	523.5	364.9
-32.5°	3197.3	2819.5	2480.9	2139.3	1816.5	1518.2	1236.6	971.2	728.4	530.7	370.6
-35°	2979.2	2603.0	2275.7	1987.0	1702.1	1426.1	1164.4	960.4	726.9	532.9	373.4
-37.5°	2753.9	2417.3	2112.4	1845.9	1584.4	1330.2	1103.7	913.5	718.5	529.9	372.6
-40°	2543.8	2234.4	1960.1	1714.8	1472.6	1230.8	1038.6	866.5	708.3	521.9	368.0
-42.5°	2326.1	2057.0	1811.2	1581.2	1360.8	1153.7	970.7	816.6	674.3	511.5	359.8
-45°	2121.0	1877.8	1660.5	1455.8	1250.5	1072.7	912.2	765.0	635.1	497.6	349.6
-47.5°	1912.7	1709.1	1516.5	1328.5	1157.3	992.2	850.8	719.1	593.9	478.5	338.2
-50°	1726.8	1548.2	1379.3	1218.2	1060.4	921.8	789.4	671.1	556.3	445.0	323.5
-52.5°	1568.3	1402.8	1256.3	1112.6	978.7	848.6	734.5	621.8	517.0	413.6	305.5
-55°	1425.6	1273.2	1142.9	1019.6	898.9	784.4	677.6	576.6	476.2	382.1	284.8
-57.5°	1303.0	1156.3	1043.7	932.9	826.4	722.3	623.7	529.9	437.8	349.2	266.0
-60°	1187.8	1063.3	950.4	854.4	757.8	662.3	571.0	483.2	399.1	315.9	242.3
-62.5°	1092.2	973.5	868.8	779.6	692.0	605.0	517.8	438.3	358.8	285.0	216.3
-65°	997.2	890.2	788.7	709.5	628.7	546.5	466.9	391.9	319.9	252.4	190.8
-67.5°	899.9	804.4	716.4	640.2	562.4	486.6	414.0	345.1	279.9	218.3	168.3
-70°	796.9	715.2	636.8	562.9	492.3	424.0	358.5	296.9	238.3	189.1	144.7
-72.5°	684.9	613.3	546.0	481.8	417.9	357.5	300.8	248.3	201.5	158.7	120.1
-75°	564.7	504.9	448.1	393.4	339.5	289.0	244.5	203.2	163.5	127.3	97.8
-77.5°	436.0	389.2	345.0	304.1	262.8	224.5	189.3	156.7	126.1	99.8	76.0
-80°	311.8	279.5	248.0	217.2	186.6	158.6	136.5	115.1	92.7	72.2	53.7
-82.5°	195.1	175.5	157.4	139.9	122.5	105.8	89.9	74.7	58.6	44.0	35.5
-85°	105.0	94.0	83.3	73.1	62.5	52.4	47.5	42.6	36.7	31.2	26.1
-87.5°	42.8	40.5	38.3	36.0	33.2	30.5	27.9	25.4	22.2	19.3	16.7
-90°	3.7	4.0	4.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.9	6.6	6.3	6.0	5.7	5.2	4.6
87.5°	6.7	6.1	5.7	5.3	5.0	4.8	4.6
85°	8.7	7.7	6.8	6.0	5.4	4.9	4.6
82.5°	10.8	9.2	7.8	6.7	5.8	5.1	4.6
80°	12.6	10.7	8.9	7.4	6.2	5.3	4.6
77.5°	12.8	11.7	9.9	8.0	6.5	5.5	4.6
75°	13.0	11.7	10.7	8.7	6.9	5.6	4.6
72.5°	13.1	11.7	10.7	9.3	7.3	5.8	4.6
70°	13.3	11.7	10.6	9.8	7.6	5.9	4.6
67.5°	13.7	11.7	10.5	9.7	8.0	6.1	4.6
65°	14.2	11.9	10.4	9.5	8.3	6.2	4.6
62.5°	14.6	12.3	10.3	9.4	8.6	6.4	4.6
60°	15.0	12.7	10.1	9.2	8.9	6.5	4.6
57.5°	15.7	13.1	10.4	9.1	8.9	6.7	4.6
55°	16.5	13.4	10.7	8.9	8.8	6.8	4.6
52.5°	17.2	13.8	11.0	8.7	8.8	6.9	4.6
50°	17.9	14.5	11.3	8.5	8.8	7.1	4.6
47.5°	18.7	15.1	11.6	8.4	8.7	7.2	4.6
45°	19.9	15.7	11.8	8.6	8.7	7.3	4.6
42.5°	21.0	16.3	12.0	8.8	8.7	7.4	4.6
40°	22.2	16.9	12.4	9.1	8.8	7.5	4.6
37.5°	23.3	17.5	12.8	9.6	8.8	7.6	4.6
35°	24.4	18.3	13.3	10.1	8.9	7.6	4.6
32.5°	25.5	19.1	13.7	10.6	8.9	7.7	4.6
30°	27.0	19.9	14.0	11.1	9.0	7.8	4.6
27.5°	28.5	20.6	15.2	11.6	9.1	7.8	4.6
25°	30.0	21.3	16.4	12.2	9.2	7.9	4.6
22.5°	31.5	22.6	17.7	12.7	9.3	7.9	4.6
20°	32.9	25.5	19.1	13.2	9.4	8.0	4.6
17.5°	36.7	28.5	20.5	13.8	9.5	8.0	4.6
15°	42.1	31.6	21.9	14.3	9.6	8.0	4.6
12.5°	47.6	34.8	23.3	14.8	9.7	8.0	4.6
10°	53.1	38.0	24.7	15.3	9.8	8.0	4.6
7.5°	58.6	41.2	26.0	15.8	10.0	8.0	4.6
5°	63.9	44.4	27.3	16.3	10.1	8.0	4.6
2.5°	69.2	47.4	28.5	16.7	10.2	8.0	4.6
0°	74.2	50.3	29.7	17.1	10.3	8.0	4.6
-2.5°	93.5	61.1	35.5	19.6	11.0	8.1	4.6
-5°	112.2	71.5	41.1	22.1	11.8	8.3	4.6
-7.5°	130.1	81.5	46.5	24.5	12.5	8.4	4.6
-10°	147.0	90.9	51.6	26.7	13.2	8.5	4.6
-12.5°	162.5	99.7	56.3	28.8	13.8	8.6	4.6
-15°	176.6	107.6	60.6	30.7	14.4	8.7	4.6
-17.5°	188.8	114.6	64.4	32.4	15.0	8.8	4.6
-20°	200.9	120.7	67.7	33.9	15.5	8.9	4.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	213.7	125.6	70.5	35.1	15.9	9.0	4.6
-25°	224.2	132.1	72.6	36.0	16.3	9.0	4.6
-27.5°	232.5	138.2	74.0	36.7	16.6	9.0	4.6
-30°	238.3	142.9	75.0	37.0	16.9	9.1	4.6
-32.5°	241.6	145.9	77.3	37.0	17.0	9.1	4.6
-35°	244.2	147.3	78.7	36.7	17.1	9.0	4.6
-37.5°	245.2	147.6	79.1	36.1	17.2	9.0	4.6
-40°	243.6	147.7	78.6	35.1	17.1	9.0	4.6
-42.5°	239.4	146.2	77.9	34.1	17.0	8.9	4.6
-45°	232.8	143.2	77.2	33.5	16.8	8.8	4.6
-47.5°	223.6	138.7	75.6	32.4	16.5	8.7	4.6
-50°	215.0	132.6	73.2	32.1	16.1	8.6	4.6
-52.5°	204.9	125.1	70.0	31.8	15.7	8.5	4.6
-55°	192.6	118.7	66.1	31.0	15.1	8.3	4.6
-57.5°	178.4	111.6	61.4	30.0	14.5	8.2	4.6
-60°	162.7	103.4	56.2	28.5	13.9	8.0	4.6
-62.5°	149.6	94.2	52.4	26.7	13.4	7.8	4.6
-65°	134.9	83.9	48.0	24.6	12.8	7.6	4.6
-67.5°	119.0	74.1	43.1	22.3	12.2	7.4	4.6
-70°	101.9	65.0	37.7	19.6	11.6	7.2	4.6
-72.5°	86.6	55.2	31.9	17.9	11.0	7.0	4.6
-75°	70.8	44.7	25.6	16.4	10.3	6.7	4.6
-77.5°	54.3	33.7	22.1	14.8	9.6	6.5	4.6
-80°	37.1	26.6	19.1	13.1	8.8	6.2	4.6
-82.5°	28.8	21.8	16.0	11.4	8.1	6.0	4.6
-85°	21.6	16.8	12.8	9.6	7.3	5.7	4.6
-87.5°	14.3	11.7	9.6	7.8	6.5	5.4	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(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

