

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: P701719 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701719 (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: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

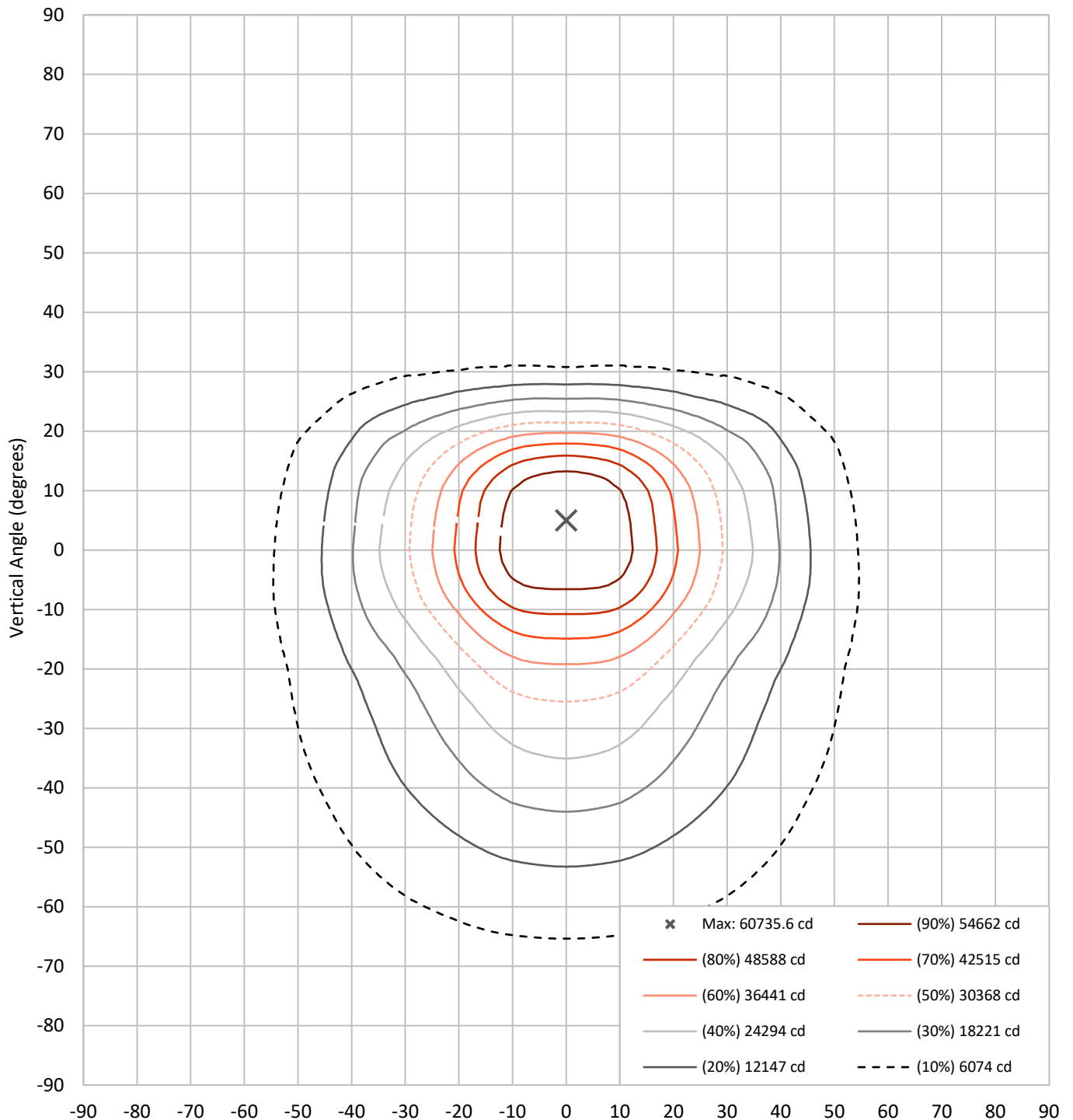
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	59510.6 lumens	Max Intensity:	60735.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	85.3 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:	28623.4 lumens	Field Lumens:	55168.1 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 697.5
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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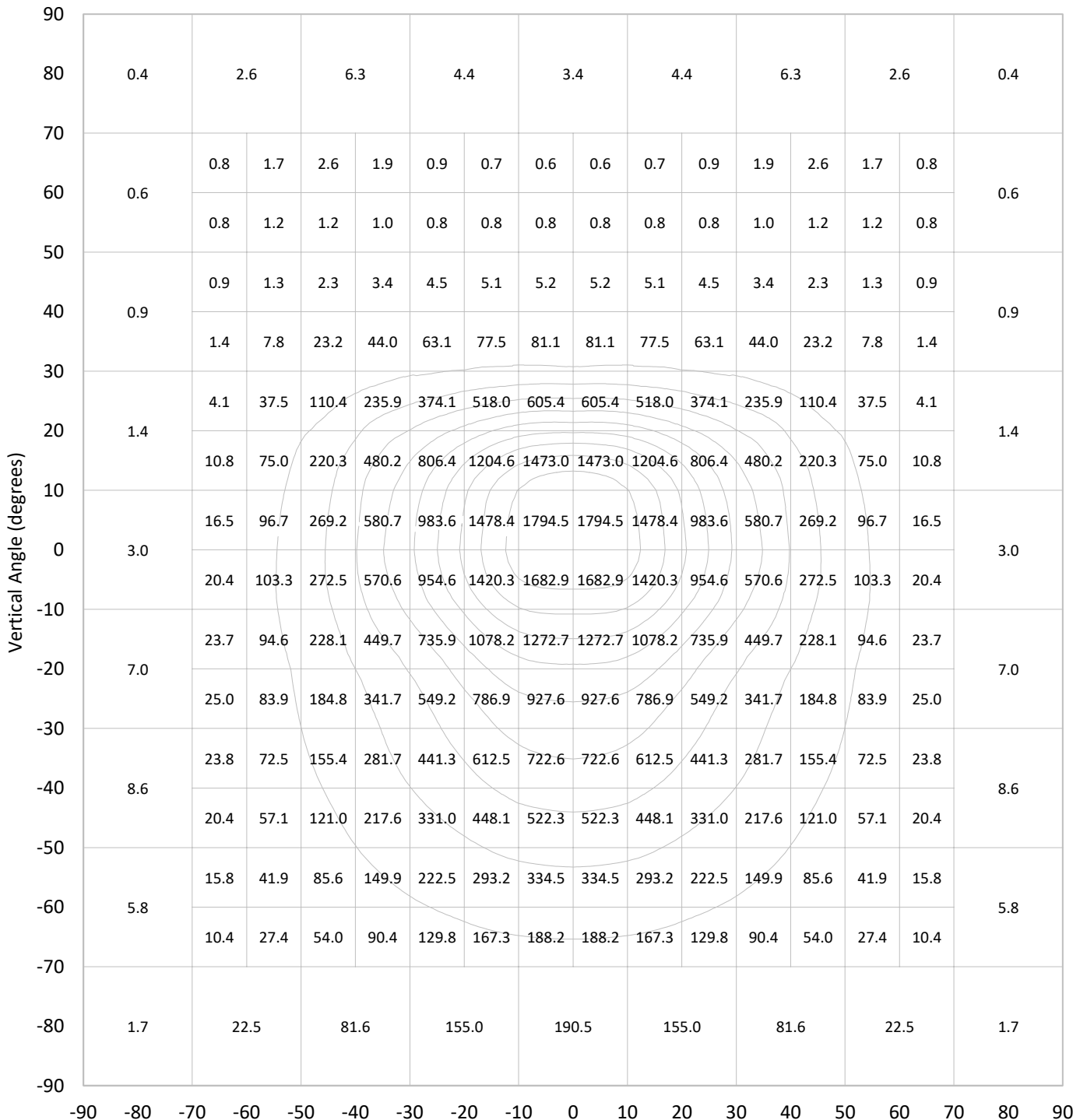
Iso-Candela Plot





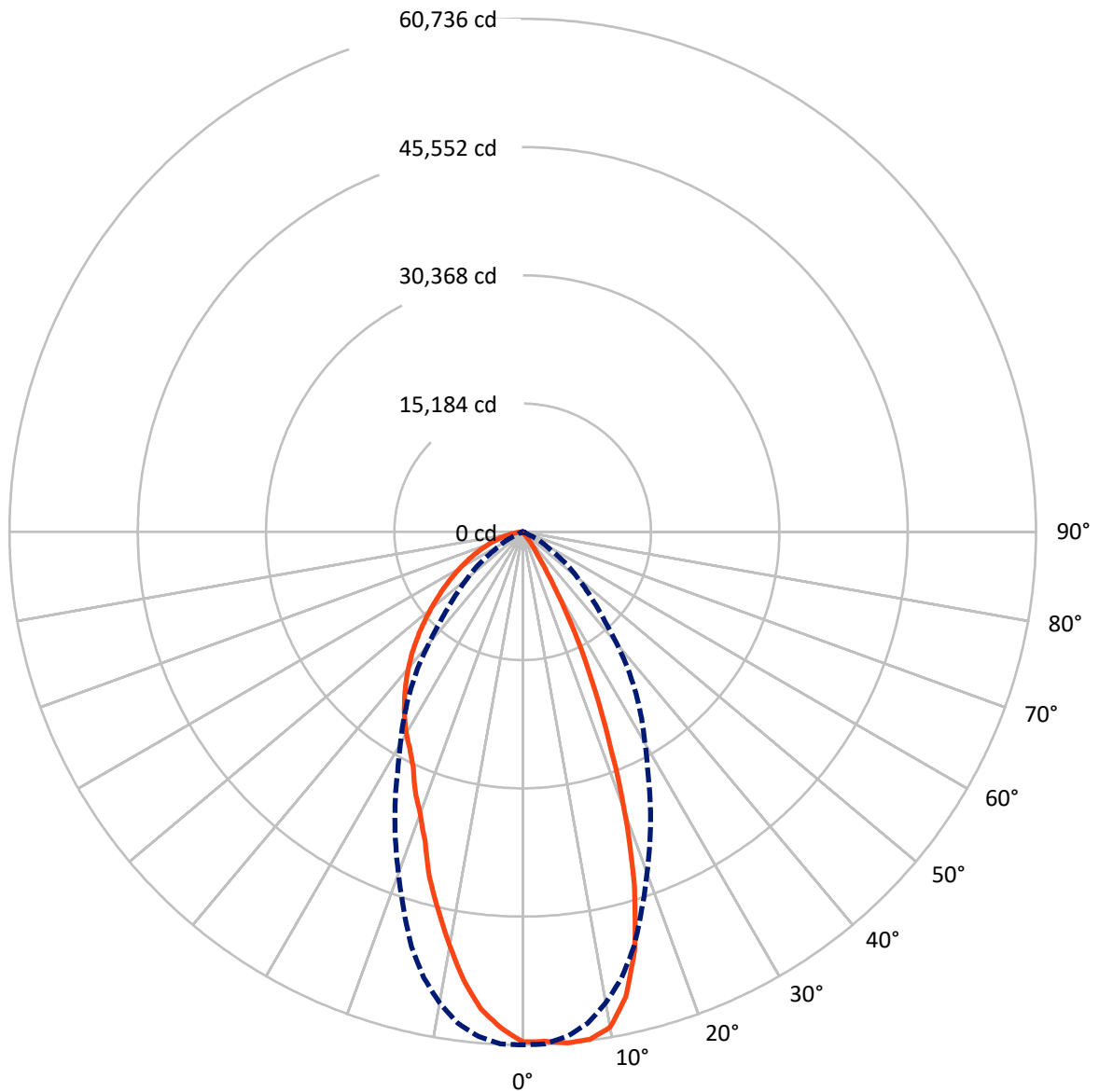
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Lumen Table



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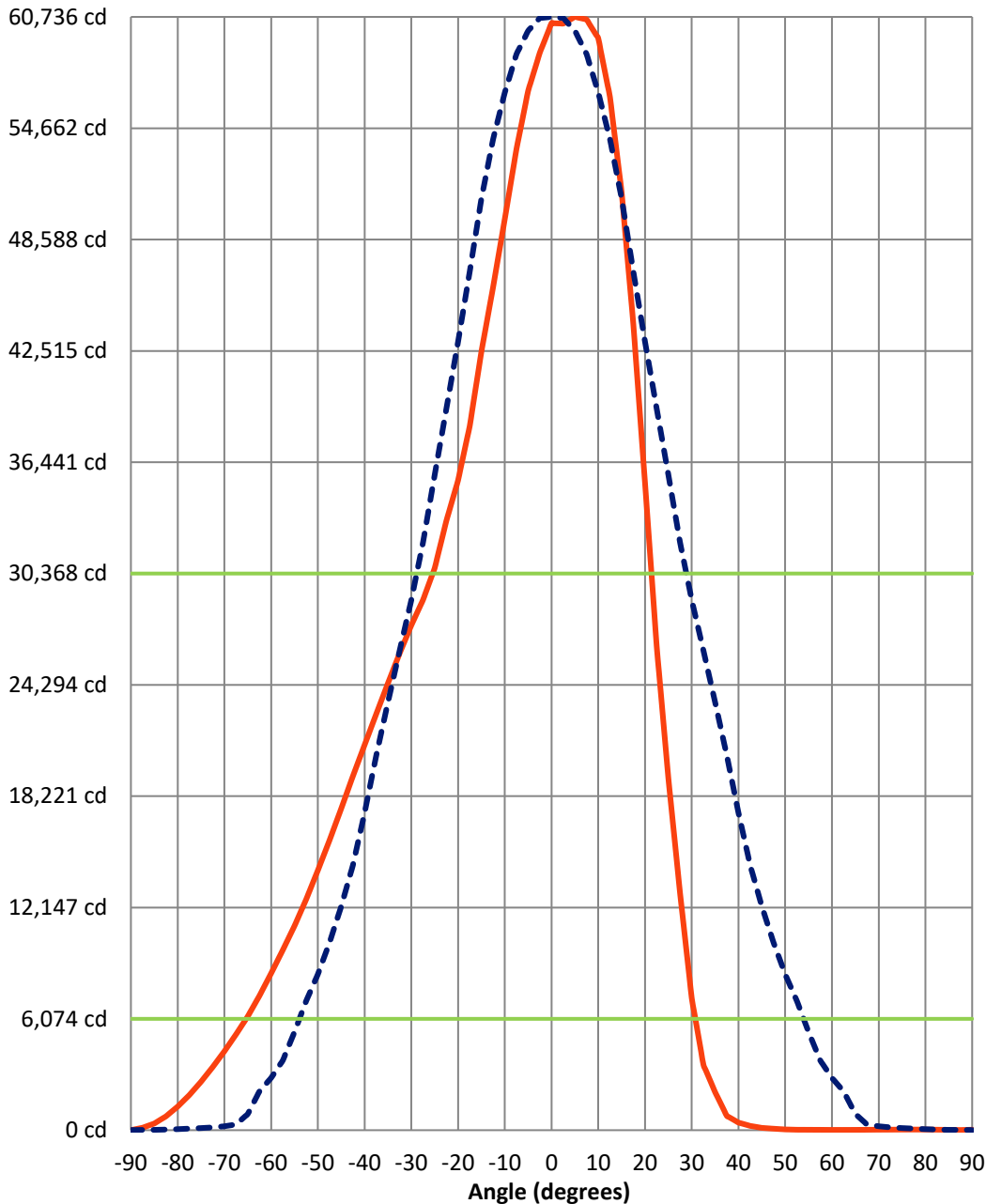
Luminous Intensity Polar Plot



— 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: 28623.4
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 55168.1
 Efficiency: 92.7%

Spill:
 Lumens: 4342.5
 Efficiency: 7.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.3	9.4	10.4	10.9	11.5	12.0	12.5	13.0	13.6	14.1	14.6
87.5°	8.3	9.7	11.1	11.2	11.5	12.0	12.6	12.5	12.2	11.9	11.5
85°	8.3	10.0	11.8	12.6	13.7	15.1	16.9	17.2	17.3	17.1	16.8
82.5°	8.3	10.3	12.5	13.9	15.8	18.2	21.2	21.9	22.3	23.4	25.9
80°	8.3	10.6	13.2	15.3	17.9	21.3	25.0	25.4	27.4	31.3	36.9
77.5°	8.3	10.9	13.9	16.6	20.0	23.4	25.9	28.1	32.3	38.8	45.3
75°	8.3	11.2	14.6	17.8	21.7	23.8	26.7	30.5	36.5	41.6	46.7
72.5°	8.3	11.5	15.2	19.0	21.7	24.2	27.5	32.3	37.5	42.8	48.0
70°	8.3	11.8	15.9	20.0	21.7	24.4	28.2	33.1	38.5	43.8	50.5
67.5°	8.3	12.0	16.5	19.8	21.7	24.7	29.0	33.9	39.4	46.3	53.2
65°	8.3	12.3	17.1	19.6	21.6	25.2	29.9	34.5	41.4	48.6	56.2
62.5°	8.3	12.5	17.6	19.4	21.5	26.0	30.7	35.9	43.4	51.0	59.8
60°	8.3	12.8	18.1	19.1	21.3	26.8	31.6	37.6	45.3	53.8	63.2
57.5°	8.3	13.0	18.0	18.8	22.0	27.7	33.2	39.2	47.2	56.3	64.9
55°	8.3	13.2	17.8	18.5	22.7	28.5	34.8	41.0	49.0	58.3	65.8
52.5°	8.3	13.5	17.7	18.1	23.4	29.4	36.4	43.1	50.6	59.3	66.9
50°	8.3	13.6	17.6	17.8	24.1	30.7	38.0	45.4	51.8	60.4	67.2
47.5°	8.3	13.8	17.5	17.6	24.8	32.0	39.6	47.8	52.9	61.5	68.4
45°	8.3	14.0	17.4	18.1	25.4	33.2	41.9	50.5	55.9	63.7	70.5
42.5°	8.3	14.2	17.4	18.5	26.1	34.4	44.4	53.5	59.4	66.7	74.1
40°	8.3	14.3	17.3	19.3	26.8	35.5	46.9	56.8	63.8	70.6	78.7
37.5°	8.3	14.4	17.3	20.3	27.6	36.6	49.5	60.5	69.5	77.4	84.5
35°	8.3	14.5	17.3	21.3	28.4	38.3	52.2	64.4	75.4	85.7	92.7
32.5°	8.3	14.6	17.4	22.3	29.1	40.4	55.1	68.5	81.7	95.0	108.0
30°	8.3	14.7	17.4	23.4	29.8	42.4	58.3	73.0	88.1	105.2	125.7
27.5°	8.3	14.8	17.5	24.5	31.9	44.4	61.6	78.3	95.5	116.3	145.4
25°	8.3	14.8	17.6	25.6	34.3	46.3	64.9	83.5	104.4	131.1	169.3
22.5°	8.3	14.9	17.7	26.7	36.9	49.2	68.3	88.8	113.6	148.4	248.5
20°	8.3	14.9	17.8	27.8	39.5	54.5	71.6	94.1	123.1	166.5	337.2
17.5°	8.3	14.9	17.9	28.9	42.2	59.9	77.7	99.2	132.7	185.1	433.3
15°	8.3	14.9	18.0	30.0	44.9	65.3	85.5	107.1	142.3	204.0	534.4
12.5°	8.3	14.9	18.1	31.0	47.7	70.7	93.3	118.5	157.3	223.0	637.8
10°	8.3	14.9	18.3	32.0	50.4	76.1	100.9	129.8	176.5	252.2	735.4
7.5°	8.3	14.8	18.4	33.0	53.1	81.3	108.3	141.1	195.6	282.4	814.7
5°	8.3	14.8	18.5	33.9	55.7	86.4	115.6	152.0	214.4	311.8	884.0
2.5°	8.3	14.7	18.6	34.7	58.1	91.2	122.5	162.7	232.6	340.0	942.2
0°	8.3	14.6	18.7	35.4	60.4	95.8	129.1	172.8	249.8	366.4	988.7
-2.5°	8.3	14.9	20.1	39.7	70.2	114.5	161.5	227.2	334.6	490.1	1117.8
-5°	8.3	15.1	21.6	43.9	79.7	132.6	193.0	280.1	416.9	609.8	1234.2
-7.5°	8.3	15.4	22.9	47.9	88.8	150.0	223.4	330.9	495.4	723.8	1337.9
-10°	8.3	15.6	24.3	51.7	97.3	166.3	252.1	378.7	569.0	830.5	1429.0
-12.5°	8.3	15.8	25.5	55.2	105.2	181.4	278.9	422.8	636.5	928.0	1514.0
-15°	8.3	16.0	26.7	58.3	112.4	195.1	303.3	462.5	700.5	1016.1	1586.8
-17.5°	8.3	16.1	27.8	61.2	118.8	207.2	324.9	504.9	762.2	1094.1	1643.0
-20°	8.3	16.3	28.8	63.6	124.2	217.5	348.6	548.3	816.6	1160.9	1682.2



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	16.4	29.6	65.6	128.6	225.8	377.0	586.1	863.1	1215.6	1703.9
-25°	8.3	16.4	30.4	67.1	132.0	238.5	401.1	617.8	901.2	1257.7	1707.6
-27.5°	8.3	16.5	31.0	68.2	134.2	251.4	420.7	643.1	930.5	1290.8	1748.1
-30°	8.3	16.5	31.5	68.7	135.8	261.4	435.6	661.6	955.6	1320.3	1773.7
-32.5°	8.3	16.5	31.8	68.7	140.9	268.4	445.5	677.4	974.4	1337.8	1781.4
-35°	8.3	16.5	32.0	68.2	144.2	272.4	452.6	687.4	983.7	1343.1	1771.0
-37.5°	8.3	16.4	32.1	67.0	145.7	274.2	456.0	690.1	983.3	1336.0	1718.6
-40°	8.3	16.4	31.9	65.4	145.4	275.2	454.7	685.3	973.2	1323.6	1663.4
-42.5°	8.3	16.2	31.7	63.9	144.6	273.2	448.6	673.1	957.8	1278.5	1597.7
-45°	8.3	16.1	31.2	63.1	143.7	268.2	437.7	656.4	934.8	1221.8	1523.6
-47.5°	8.3	15.9	30.6	61.5	141.3	260.2	422.1	637.1	901.5	1157.2	1450.0
-50°	8.3	15.7	29.9	60.9	137.3	249.3	406.7	611.4	845.7	1092.5	1367.0
-52.5°	8.3	15.5	29.0	60.3	131.7	235.4	387.8	579.5	791.4	1020.5	1275.9
-55°	8.3	15.2	27.9	59.0	124.7	223.7	364.8	542.4	734.5	941.4	1184.4
-57.5°	8.3	14.9	26.7	57.1	116.3	210.8	337.9	506.5	672.2	864.6	1084.8
-60°	8.3	14.6	25.4	54.5	106.7	195.6	308.2	461.4	607.0	784.0	981.6
-62.5°	8.3	14.3	24.5	51.2	100.1	178.4	283.6	411.3	546.1	697.4	879.4
-65°	8.3	13.9	23.5	47.5	92.4	159.3	256.1	362.0	481.5	617.2	770.5
-67.5°	8.3	13.5	22.4	43.2	83.7	141.5	226.0	319.4	413.4	535.7	669.0
-70°	8.3	13.1	21.3	38.4	74.1	125.5	193.6	274.7	358.0	450.4	568.5
-72.5°	8.3	12.7	20.0	35.2	63.7	108.2	166.6	228.1	300.8	381.0	468.5
-75°	8.3	12.2	18.8	32.1	52.6	89.7	138.9	187.6	241.4	309.4	383.8
-77.5°	8.3	11.8	17.5	28.9	45.4	70.3	109.9	148.6	191.3	239.4	296.5
-80°	8.3	11.3	16.1	25.5	39.0	56.5	79.6	108.5	141.0	177.9	219.0
-82.5°	8.3	10.8	14.7	22.0	32.3	45.7	62.0	74.6	89.7	115.1	143.7
-85°	8.3	10.3	13.3	18.4	25.5	34.6	45.7	54.2	63.2	72.8	83.0
-87.5°	8.3	9.9	11.9	14.7	18.5	23.3	29.2	33.7	38.4	43.5	48.9
-90°	8.3	9.4	10.4	9.9	9.4	8.8	8.3	7.8	7.3	6.7	6.2



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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°	14.6	14.6	14.6	14.6	15.1	15.7	16.2	16.7	17.7	18.8	19.8
87.5°	12.2	13.0	13.8	14.6	13.5	12.3	10.8	9.2	9.7	10.2	10.8
85°	18.2	19.7	21.6	22.9	21.9	21.0	20.4	19.9	21.0	22.0	22.6
82.5°	28.4	30.2	31.2	31.4	32.0	33.0	34.8	38.5	40.9	42.5	43.3
80°	39.7	40.8	41.7	44.4	49.4	55.2	61.7	68.8	71.2	71.4	70.6
77.5°	46.6	49.0	53.9	61.2	69.4	77.6	86.6	96.5	99.4	98.5	96.6
75°	50.6	56.5	65.1	75.6	86.4	97.5	109.3	120.4	123.5	120.0	115.4
72.5°	54.4	63.5	74.9	88.5	100.4	111.8	124.5	138.4	143.3	136.2	127.9
70°	58.3	69.7	82.7	96.2	109.7	122.7	135.1	148.5	156.4	145.4	128.5
67.5°	61.6	74.9	88.7	102.5	114.8	127.6	141.5	147.2	150.8	132.9	113.8
65°	65.5	79.5	92.1	104.4	117.5	122.8	127.3	132.1	131.4	111.0	90.7
62.5°	69.4	80.9	92.9	102.6	105.8	108.9	108.9	105.8	100.8	86.8	69.3
60°	70.8	80.7	89.0	92.3	93.1	90.1	86.2	82.2	76.2	64.4	52.4
57.5°	71.6	76.9	80.8	81.8	78.2	72.3	69.6	63.3	58.2	51.3	41.5
55°	71.2	70.5	72.8	70.9	66.7	61.8	56.9	52.9	46.5	44.3	39.9
52.5°	69.4	66.2	65.2	63.0	60.1	55.2	50.4	47.2	45.6	43.0	39.4
50°	68.7	64.6	59.6	59.5	57.2	53.6	48.5	47.8	47.9	45.6	41.4
47.5°	69.6	64.7	58.4	58.5	58.8	60.1	55.8	53.9	54.5	60.6	54.2
45°	71.9	69.3	62.7	62.5	68.3	76.1	83.0	63.8	83.2	92.8	100.4
42.5°	75.6	76.8	80.2	68.4	90.4	118.2	131.5	138.3	131.2	161.6	193.0
40°	84.0	86.9	110.2	119.3	128.7	186.3	266.1	284.8	216.4	301.0	353.2
37.5°	94.3	123.7	164.2	212.9	208.6	328.8	453.8	549.7	540.2	510.9	731.5
35°	106.1	169.0	278.0	386.9	434.7	548.6	779.2	946.3	1045.7	1105.6	1287.4
32.5°	138.8	222.7	420.4	651.7	850.9	963.8	1181.6	1547.8	1894.2	2101.0	2099.0
30°	196.2	354.8	621.3	976.8	1364.0	1681.6	1861.7	2332.2	2992.4	3462.1	3775.0
27.5°	281.1	515.4	931.3	1446.3	1988.7	2528.0	2887.4	3498.7	4387.2	5102.9	5771.4
25°	384.8	770.4	1280.5	2004.6	2802.3	3487.3	4004.2	4854.0	5979.8	7102.3	8220.7
22.5°	549.8	1066.6	1668.0	2615.0	3700.2	4478.7	5238.0	6273.7	7575.8	9151.7	10856.9
20°	779.8	1411.3	2081.8	3094.1	4598.1	5487.9	6420.1	7656.3	9174.9	11090.2	13366.9
17.5°	1028.3	1736.7	2487.5	3616.0	5083.5	6316.4	7568.2	8977.0	10678.9	12900.7	15353.2
15°	1289.8	2042.8	2850.0	4082.0	5537.8	6869.9	8351.0	10183.4	12190.3	14593.0	17158.5
12.5°	1557.8	2329.4	3171.2	4492.5	5971.6	7371.4	8951.0	10856.6	13191.4	16009.8	18702.9
10°	1825.8	2596.4	3453.5	4848.2	6378.5	7819.7	9466.2	11416.0	13791.3	16615.1	19526.1
7.5°	1990.1	2772.6	3684.3	5150.3	6751.6	8214.1	9898.7	11865.3	14206.9	17047.9	20047.9
5°	2114.4	2851.8	3804.2	5356.0	7046.7	8506.2	10236.1	12209.6	14457.1	17311.6	20444.3
2.5°	2211.1	2910.2	3900.0	5509.0	7269.7	8665.0	10437.0	12430.0	14717.8	17639.4	20844.5
0°	2279.3	2949.6	3969.5	5613.9	7437.4	8767.5	10568.0	12562.2	14899.8	17924.3	21200.6
-2.5°	2345.6	3071.5	4110.9	5747.8	7461.6	8782.8	10617.9	12567.5	14899.7	17869.0	21053.0
-5°	2387.2	3173.0	4222.6	5832.0	7436.8	8751.4	10590.4	12492.1	14737.4	17545.0	20505.9
-7.5°	2408.9	3250.7	4303.2	5844.8	7308.4	8566.7	10259.4	12047.1	14201.4	16832.3	19562.4
-10°	2420.3	3297.5	4294.6	5668.8	7041.6	8269.9	9817.4	11530.1	13559.4	16006.0	18531.9
-12.5°	2452.1	3322.8	4255.7	5476.8	6751.9	7934.4	9327.2	10949.1	12814.8	15081.9	17399.4
-15°	2469.3	3335.7	4201.6	5278.5	6447.3	7562.8	8796.6	10309.7	12008.1	14036.1	16092.2
-17.5°	2474.2	3338.0	4135.7	5083.4	6135.3	7157.7	8274.6	9761.7	11308.2	13059.4	14813.0
-20°	2468.7	3331.8	4061.1	4899.6	5828.7	6863.3	7990.9	9288.4	10672.7	12153.5	13614.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2455.1	3318.7	3998.2	4769.2	5681.5	6670.5	7707.8	8830.4	10021.6	11307.5	12789.1
-25°	2448.2	3271.1	3956.0	4677.0	5538.9	6467.7	7410.0	8407.4	9445.9	10792.6	12205.7
-27.5°	2437.5	3220.7	3873.4	4549.0	5374.1	6262.9	7146.6	8057.0	9123.2	10333.0	11644.5
-30°	2405.4	3099.0	3761.0	4399.0	5199.6	6055.9	6899.8	7765.2	8774.1	9914.7	11131.4
-32.5°	2314.9	2960.8	3611.7	4252.6	4989.5	5829.0	6645.0	7484.2	8420.1	9442.1	10612.6
-35°	2213.6	2818.3	3444.2	4071.0	4744.2	5553.9	6347.9	7158.9	8027.7	8986.6	10077.7
-37.5°	2139.9	2665.2	3264.9	3866.4	4512.5	5231.8	6010.5	6791.2	7613.7	8527.4	9559.4
-40°	2052.1	2502.1	3083.0	3658.6	4246.8	4910.0	5637.4	6386.7	7158.9	8070.1	9015.8
-42.5°	1953.9	2388.5	2894.4	3438.3	3993.0	4595.8	5245.0	5957.9	6732.6	7580.4	8468.4
-45°	1869.1	2260.8	2705.7	3214.8	3730.1	4276.1	4878.2	5515.6	6280.9	7069.5	7894.2
-47.5°	1772.7	2127.4	2545.8	2978.4	3463.8	3967.3	4499.8	5120.7	5800.4	6539.0	7295.5
-50°	1668.5	2006.6	2363.3	2765.6	3195.9	3656.8	4142.8	4709.4	5329.9	5989.7	6685.8
-52.5°	1563.7	1873.3	2201.7	2551.8	2942.6	3356.8	3807.0	4311.5	4860.7	5439.0	6053.2
-55°	1448.7	1738.0	2036.8	2354.3	2695.1	3071.0	3473.5	3924.6	4396.7	4920.9	5437.5
-57.5°	1330.7	1592.2	1867.9	2161.9	2468.2	2787.7	3152.6	3534.6	3961.2	4409.3	4865.1
-60°	1207.4	1441.7	1691.4	1961.8	2246.3	2534.2	2829.8	3168.3	3530.5	3902.8	4310.2
-62.5°	1078.0	1288.4	1511.8	1751.5	2011.9	2272.4	2537.4	2817.4	3110.9	3445.2	3785.2
-65°	949.9	1131.0	1329.9	1543.2	1766.3	2000.2	2237.8	2477.7	2734.4	3009.9	3296.1
-67.5°	814.7	978.4	1149.4	1330.4	1528.5	1727.2	1934.6	2151.4	2369.5	2592.7	2827.8
-70°	693.1	822.9	971.9	1129.9	1289.8	1452.5	1631.8	1817.9	2008.0	2197.9	2393.3
-72.5°	570.4	682.0	801.1	927.4	1061.6	1195.6	1335.5	1480.8	1635.1	1795.0	1957.3
-75°	459.0	538.1	635.7	740.9	843.5	944.4	1049.3	1167.3	1289.6	1412.9	1535.8
-77.5°	356.0	419.0	486.9	559.4	630.7	711.8	794.8	879.4	967.9	1058.8	1150.8
-80°	257.7	297.6	347.6	401.7	453.5	506.0	559.9	615.0	672.7	736.4	805.1
-82.5°	170.8	199.2	229.0	260.1	288.9	317.5	348.2	385.8	423.7	462.6	502.3
-85°	91.4	99.8	117.4	135.9	154.3	172.7	191.1	209.4	228.3	246.6	264.3
-87.5°	53.0	57.3	61.6	65.9	70.5	75.1	79.8	84.3	90.6	96.8	103.1
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20.8	21.3	21.9	22.4	22.9	23.4	24.0	24.5	25.0	25.5	26.1
87.5°	11.4	10.6	9.7	8.8	7.9	10.4	12.9	15.5	18.2	16.8	15.4
85°	23.1	23.2	23.4	23.5	23.6	26.3	29.0	31.7	34.2	31.6	28.8
82.5°	43.6	42.9	41.4	39.2	36.3	35.6	34.7	33.4	31.7	30.4	29.2
80°	69.1	65.6	61.0	55.7	49.6	46.5	43.7	40.5	37.0	35.9	35.1
77.5°	92.9	86.4	78.8	70.5	61.7	56.1	51.1	45.7	40.0	38.4	37.4
75°	109.7	101.4	90.5	78.8	66.5	57.8	51.0	44.3	37.5	35.9	35.6
72.5°	118.4	107.1	93.1	76.7	61.1	50.7	44.3	38.6	33.4	31.6	30.8
70°	111.3	94.2	78.0	62.9	49.0	39.7	35.2	31.2	27.7	26.7	27.2
67.5°	94.0	76.7	62.1	49.1	38.0	30.4	27.8	25.7	24.1	23.5	23.5
65°	73.4	58.9	47.0	37.1	29.1	24.5	23.6	22.7	21.9	21.1	20.4
62.5°	54.2	43.1	35.6	29.9	25.7	22.9	22.2	21.2	20.2	19.1	18.3
60°	42.2	33.5	29.6	27.2	25.1	23.3	22.5	22.0	21.7	21.4	20.7
57.5°	36.7	32.2	28.7	27.3	26.2	25.3	24.9	24.4	23.7	22.8	22.1
55°	35.8	32.3	29.3	28.5	28.0	27.4	26.8	26.0	25.2	24.3	23.9
52.5°	35.8	34.3	32.0	31.0	31.5	30.6	28.9	29.8	30.0	29.1	28.7
50°	40.5	40.9	41.4	37.9	41.5	43.0	40.9	42.7	45.3	45.6	45.4
47.5°	57.5	61.3	66.2	62.4	67.0	73.9	73.3	73.8	80.1	80.9	80.6
45°	91.7	108.2	116.1	120.6	118.8	134.9	138.1	132.9	141.4	143.0	140.6
42.5°	183.5	192.7	213.4	229.8	220.4	237.1	242.0	226.9	241.6	248.2	241.1
40°	411.0	326.8	388.0	430.3	415.5	383.2	439.3	419.2	417.3	440.6	422.3
37.5°	811.5	720.3	783.0	903.7	899.3	747.4	916.9	905.9	761.5	932.6	917.7
35°	1455.3	1623.9	1548.6	1774.3	1839.8	1873.7	1967.8	2064.9	1958.5	2098.6	2095.0
32.5°	2605.8	2955.5	3110.2	3137.7	3427.3	3663.2	3563.3	3941.8	3918.7	4013.4	4110.1
30°	4113.9	4893.4	5288.0	5297.8	5778.3	6201.1	6335.3	6810.4	7091.4	7044.8	7515.3
27.5°	6563.7	7329.5	7979.3	8533.8	8908.1	9574.9	10503.0	10971.4	11661.7	11932.4	12582.9
25°	9331.7	10283.2	11309.0	12273.9	13066.3	14260.6	15415.8	16144.1	17131.9	17906.0	18692.6
22.5°	12330.4	13592.7	14908.8	16352.2	17825.9	19283.0	20686.0	22031.7	23348.6	24803.3	25692.4
20°	15396.1	16822.9	18424.9	20381.1	22425.7	24182.9	26099.2	28209.1	30226.4	32103.9	33522.0
17.5°	17725.9	19933.8	21669.4	23785.6	26324.6	28800.0	31243.0	34025.5	36591.8	38985.6	41120.4
15°	19505.0	21819.5	24335.0	26889.4	29564.1	32511.5	35872.0	38916.7	42086.7	44902.1	47538.8
12.5°	21055.7	23405.4	26038.1	29017.2	32390.8	35555.3	39077.2	42884.8	46248.2	49555.5	52029.5
10°	22200.2	24810.4	27479.4	30474.7	33915.0	37609.5	41426.4	45275.2	49046.5	52239.2	54897.1
7.5°	22831.6	25603.7	28396.1	31524.1	35061.1	38695.1	42507.9	46526.4	50322.5	53610.5	56051.3
5°	23345.6	26163.8	28923.9	32064.3	35749.6	39359.4	43012.1	46847.5	50822.2	54065.2	56604.7
2.5°	23794.1	26543.8	29236.2	32293.8	36091.7	39717.6	43473.1	47449.0	51292.6	54421.0	56892.9
0°	24183.5	26779.2	29412.3	32443.1	36414.7	40084.5	43779.2	47669.7	51585.1	54632.4	57134.5
-2.5°	23901.8	26447.0	29041.4	32139.4	35927.0	39536.9	43252.6	47192.2	50900.9	53987.6	56413.4
-5°	23167.4	25619.0	28195.3	31285.7	34901.2	38437.1	42103.3	45898.1	49384.2	52470.2	54701.6
-7.5°	22093.5	24493.6	27059.9	30101.9	33466.2	36675.5	39952.0	43469.6	46939.6	49664.2	51789.5
-10°	20899.9	23184.1	25546.3	28221.7	31200.7	34198.2	37208.7	40478.8	43536.2	46094.5	48140.4
-12.5°	19482.8	21511.9	23686.8	26020.3	28755.2	31610.1	34481.0	37345.3	40165.2	42466.6	44320.0
-15°	17952.2	19746.5	21732.9	23990.0	26426.8	28946.0	31535.7	34271.0	36810.6	38954.3	40588.3
-17.5°	16442.2	18049.1	20067.9	22120.1	24089.3	26399.4	28975.0	31237.0	33554.5	35479.6	36923.1
-20°	15162.2	16890.9	18646.3	20399.7	22280.8	24526.8	26710.6	28843.1	30902.6	32655.4	34090.7



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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°	14327.7	15846.5	17344.6	19003.0	20915.4	22897.3	24873.8	26812.6	28676.5	30341.6	31706.8
-25°	13569.0	14854.2	16337.6	18021.5	19636.3	21374.8	23241.0	24861.5	26629.6	28137.4	29305.4
-27.5°	12905.6	14177.5	15633.3	17147.8	18608.4	20175.3	21875.1	23421.8	25012.8	26462.7	27481.9
-30°	12328.1	13645.7	15014.6	16400.2	17775.6	19225.4	20702.7	22197.6	23657.4	24972.1	25951.7
-32.5°	11835.8	13072.0	14355.8	15645.2	16899.3	18219.8	19590.2	20964.6	22317.0	23467.3	24426.4
-35°	11276.3	12459.6	13652.5	14810.5	15972.1	17153.3	18425.1	19711.7	20921.9	21972.1	22908.3
-37.5°	10651.8	11791.9	12880.6	13934.7	15011.5	16103.8	17281.8	18463.8	19575.3	20525.9	21418.6
-40°	10030.2	11069.2	12055.2	13039.1	14026.2	15049.1	16114.6	17173.0	18148.7	19047.8	19879.7
-42.5°	9384.4	10293.8	11191.3	12107.2	13017.9	13940.3	14892.2	15854.6	16724.0	17544.1	18281.5
-45°	8732.9	9513.3	10306.2	11145.2	11976.7	12804.8	13628.9	14441.4	15255.4	16019.5	16642.4
-47.5°	8040.1	8744.3	9464.1	10185.5	10930.6	11686.5	12406.9	13110.2	13829.2	14512.1	15026.7
-50°	7340.8	7992.9	8643.5	9279.1	9937.8	10602.6	11259.0	11878.0	12480.3	13061.1	13463.4
-52.5°	6636.6	7239.6	7835.8	8410.6	8982.1	9548.8	10104.9	10654.1	11181.9	11679.6	11998.6
-55°	5967.8	6505.6	7029.8	7531.8	8036.2	8533.9	9024.4	9504.8	9960.4	10388.3	10634.3
-57.5°	5338.8	5807.2	6266.2	6698.4	7120.6	7530.8	7964.3	8400.8	8811.0	9178.8	9377.0
-60°	4725.9	5147.8	5541.8	5903.1	6265.1	6625.4	6990.6	7351.1	7702.2	8007.6	8178.3
-62.5°	4123.1	4483.6	4819.0	5129.8	5428.9	5726.4	6043.2	6347.3	6636.5	6872.3	7016.9
-65°	3595.0	3900.5	4151.5	4399.0	4644.7	4906.3	5169.5	5420.4	5658.0	5842.7	5964.6
-67.5°	3081.5	3332.8	3541.8	3747.1	3952.8	4160.8	4372.6	4577.9	4775.1	4924.5	5030.3
-70°	2593.4	2783.2	2946.9	3114.1	3284.5	3454.5	3624.7	3788.7	3945.2	4059.0	4144.2
-72.5°	2121.3	2268.0	2395.4	2525.2	2653.2	2784.9	2916.8	3043.5	3164.2	3245.6	3305.4
-75°	1657.9	1764.4	1866.5	1965.6	2061.0	2159.0	2256.0	2348.7	2436.5	2498.3	2547.4
-77.5°	1248.2	1323.8	1390.4	1455.7	1519.3	1587.4	1653.9	1716.7	1775.4	1818.3	1854.4
-80°	874.4	923.2	965.7	1005.7	1043.1	1085.3	1126.6	1165.6	1202.1	1227.1	1247.1
-82.5°	542.6	571.3	596.8	620.4	641.8	663.9	684.4	703.0	719.7	739.3	757.4
-85°	281.5	293.3	304.1	314.2	323.5	332.5	340.6	347.9	354.3	357.8	360.4
-87.5°	109.5	112.2	114.7	117.0	119.1	122.0	124.7	127.2	129.5	131.7	133.6
-90°	6.2	5.7	5.2	4.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	26.6	27.1	27.1	27.1	27.1	27.1	26.6	26.1	25.5	25.0	24.5
87.5°	14.0	12.5	11.4	10.4	11.4	12.5	14.0	15.4	16.8	18.2	15.5
85°	25.9	22.8	20.8	18.7	20.8	22.8	25.9	28.8	31.6	34.2	31.7
82.5°	28.1	27.1	27.1	27.1	27.1	27.1	28.1	29.2	30.4	31.7	33.4
80°	34.2	33.2	34.3	35.4	34.3	33.2	34.2	35.1	35.9	37.0	40.5
77.5°	36.4	35.4	35.4	35.4	35.4	35.4	36.4	37.4	38.4	40.0	45.7
75°	35.5	35.4	34.4	33.3	34.4	35.4	35.5	35.6	35.9	37.5	44.3
72.5°	30.1	29.3	29.1	29.1	29.1	29.3	30.1	30.8	31.6	33.4	38.6
70°	28.0	29.0	28.2	27.1	28.2	29.0	28.0	27.2	26.7	27.7	31.2
67.5°	23.3	23.1	22.9	22.9	22.9	23.1	23.3	23.5	23.5	24.1	25.7
65°	19.7	19.0	18.7	18.7	18.7	19.0	19.7	20.4	21.1	21.9	22.7
62.5°	17.6	16.9	16.7	16.7	16.7	16.9	17.6	18.3	19.1	20.2	21.2
60°	19.9	18.9	17.8	16.7	17.8	18.9	19.9	20.7	21.4	21.7	22.0
57.5°	21.5	20.9	20.8	20.8	20.8	20.9	21.5	22.1	22.8	23.7	24.4
55°	23.5	23.0	22.9	22.9	22.9	23.0	23.5	23.9	24.3	25.2	26.0
52.5°	28.2	27.3	26.3	25.0	26.3	27.3	28.2	28.7	29.1	30.0	29.8
50°	44.5	42.3	41.3	41.6	41.3	42.3	44.5	45.4	45.6	45.3	42.7
47.5°	82.2	82.2	81.8	81.2	81.8	82.2	82.2	80.6	80.9	80.1	73.8
45°	139.9	134.2	128.9	127.0	128.9	134.2	139.9	140.6	143.0	141.4	132.9
42.5°	245.8	244.6	240.2	235.2	240.2	244.6	245.8	241.1	248.2	241.6	226.9
40°	427.1	421.3	411.3	414.2	411.3	421.3	427.1	422.3	440.6	417.3	419.2
37.5°	889.6	846.9	782.2	782.7	782.2	846.9	889.6	917.7	932.6	761.5	905.9
35°	2082.2	2117.2	2075.8	2075.3	2075.8	2117.2	2082.2	2095.0	2098.6	1958.5	2064.9
32.5°	3984.7	3926.9	3692.2	3569.9	3692.2	3926.9	3984.7	4110.1	4013.4	3918.7	3941.8
30°	7506.9	7544.2	7192.3	7200.1	7192.3	7544.2	7506.9	7515.3	7044.8	7091.4	6810.4
27.5°	12845.3	13131.1	13055.9	12930.6	13055.9	13131.1	12845.3	12582.9	11932.4	11661.7	10971.4
25°	19208.4	19423.6	19279.5	19191.9	19279.5	19423.6	19208.4	18692.6	17906.0	17131.9	16144.1
22.5°	26555.9	26855.7	26780.4	26400.3	26780.4	26855.7	26555.9	25692.4	24803.3	23348.6	22031.7
20°	34689.8	35203.2	35501.5	35309.4	35501.5	35203.2	34689.8	33522.0	32103.9	30226.4	28209.1
17.5°	42636.6	43298.5	43806.2	43977.0	43806.2	43298.5	42636.6	41120.4	38985.6	36591.8	34025.5
15°	49318.8	50265.5	50932.2	51168.7	50932.2	50265.5	49318.8	47538.8	44902.1	42086.7	38916.7
12.5°	54114.2	55346.4	56128.4	56363.3	56128.4	55346.4	54114.2	52029.5	49555.5	46248.2	42884.8
10°	56751.3	58304.5	59194.6	59565.7	59194.6	58304.5	56751.3	54897.1	52239.2	49046.5	45275.2
7.5°	58224.6	59627.5	60468.5	60593.0	60468.5	59627.5	58224.6	56051.3	53610.5	50322.5	46526.4
5°	58702.6	59977.3	60671.4	60735.6	60671.4	59977.3	58702.6	56604.7	54065.2	50822.2	46847.5
2.5°	58912.1	59989.3	60501.3	60370.3	60501.3	59989.3	58912.1	56892.9	54421.0	51292.6	47449.0
0°	58804.9	59767.6	60310.9	60392.1	60310.9	59767.6	58804.9	57134.5	54632.4	51585.1	47669.7
-2.5°	57931.7	58648.6	59033.9	58786.2	59033.9	58648.6	57931.7	56413.4	53987.6	50900.9	47192.2
-5°	55940.7	56456.4	56617.4	56707.8	56617.4	56456.4	55940.7	54701.6	52470.2	49384.2	45898.1
-7.5°	53063.0	53483.9	53642.8	53531.3	53642.8	53483.9	53063.0	51789.5	49664.2	46939.6	43469.6
-10°	49270.0	49655.7	49790.6	49713.7	49790.6	49655.7	49270.0	48140.4	46094.5	43536.2	40478.8
-12.5°	45430.6	45887.7	45992.6	45999.2	45992.6	45887.7	45430.6	44320.0	42466.6	40165.2	37345.3
-15°	41656.3	42178.9	42338.6	42478.3	42338.6	42178.9	41656.3	40588.3	38954.3	36810.6	34271.0
-17.5°	37947.5	38466.7	38601.5	38419.2	38601.5	38466.7	37947.5	36923.1	35479.6	33554.5	31237.0
-20°	34899.1	35168.2	35455.4	35453.0	35455.4	35168.2	34899.1	34090.7	32655.4	30902.6	28843.1



REPORT NUMBER: P701719 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	32381.2	32826.2	33070.8	33244.5	33070.8	32826.2	32381.2	31706.8	30341.6	28676.5	26812.6
-25°	30019.8	30397.6	30549.6	30665.4	30549.6	30397.6	30019.8	29305.4	28137.4	26629.6	24861.5
-27.5°	28200.7	28584.1	28801.0	28929.4	28801.0	28584.1	28200.7	27481.9	26462.7	25012.8	23421.8
-30°	26749.9	27126.7	27385.0	27547.3	27385.0	27126.7	26749.9	25951.7	24972.1	23657.4	22197.6
-32.5°	25186.6	25580.7	25850.0	26017.3	25850.0	25580.7	25186.6	24426.4	23467.3	22317.0	20964.6
-35°	23562.1	23956.3	24247.0	24383.3	24247.0	23956.3	23562.1	22908.3	21972.1	20921.9	19711.7
-37.5°	21984.0	22351.9	22608.8	22709.7	22608.8	22351.9	21984.0	21418.6	20525.9	19575.3	18463.8
-40°	20338.9	20686.0	20924.6	21017.4	20924.6	20686.0	20338.9	19879.7	19047.8	18148.7	17173.0
-42.5°	18680.0	19003.9	19224.2	19316.8	19224.2	19003.9	18680.0	18281.5	17544.1	16724.0	15854.6
-45°	16999.6	17287.7	17474.2	17545.4	17474.2	17287.7	16999.6	16642.4	16019.5	15255.4	14441.4
-47.5°	15345.6	15605.5	15765.8	15817.7	15765.8	15605.5	15345.6	15026.7	14512.1	13829.2	13110.2
-50°	13731.1	13943.9	14090.6	14173.3	14090.6	13943.9	13731.1	13463.4	13061.1	12480.3	11878.0
-52.5°	12237.7	12431.0	12546.1	12591.3	12546.1	12431.0	12237.7	11998.6	11679.6	11181.9	10654.1
-55°	10838.1	11005.3	11103.2	11142.6	11103.2	11005.3	10838.1	10634.3	10388.3	9960.4	9504.8
-57.5°	9545.5	9682.6	9774.8	9827.0	9774.8	9682.6	9545.5	9377.0	9178.8	8811.0	8400.8
-60°	8320.0	8432.3	8509.8	8555.2	8509.8	8432.3	8320.0	8178.3	8007.6	7702.2	7351.1
-62.5°	7137.1	7232.5	7295.2	7331.2	7295.2	7232.5	7137.1	7016.9	6872.3	6636.5	6347.3
-65°	6067.5	6151.2	6191.6	6207.2	6191.6	6151.2	6067.5	5964.6	5842.7	5658.0	5420.4
-67.5°	5121.2	5196.6	5223.9	5228.9	5223.9	5196.6	5121.2	5030.3	4924.5	4775.1	4577.9
-70°	4217.9	4279.3	4300.0	4302.6	4300.0	4279.3	4217.9	4144.2	4059.0	3945.2	3788.7
-72.5°	3354.7	3393.3	3423.3	3442.9	3423.3	3393.3	3354.7	3305.4	3245.6	3164.2	3043.5
-75°	2588.7	2621.8	2636.2	2641.5	2636.2	2621.8	2588.7	2547.4	2498.3	2436.5	2348.7
-77.5°	1885.3	1910.5	1916.2	1915.0	1916.2	1910.5	1885.3	1854.4	1818.3	1775.4	1716.7
-80°	1262.9	1274.6	1282.3	1286.4	1282.3	1274.6	1262.9	1247.1	1227.1	1202.1	1165.6
-82.5°	773.8	788.0	773.3	755.6	773.3	788.0	773.8	757.4	739.3	719.7	703.0
-85°	361.9	362.6	363.9	364.3	363.9	362.6	361.9	360.4	357.8	354.3	347.9
-87.5°	135.4	137.0	136.2	135.3	136.2	137.0	135.4	133.6	131.7	129.5	127.2
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	24.0	23.4	22.9	22.4	21.9	21.3	20.8	19.8	18.8	17.7	16.7
87.5°	12.9	10.4	7.9	8.8	9.7	10.6	11.4	10.8	10.2	9.7	9.2
85°	29.0	26.3	23.6	23.5	23.4	23.2	23.1	22.6	22.0	21.0	19.9
82.5°	34.7	35.6	36.3	39.2	41.4	42.9	43.6	43.3	42.5	40.9	38.5
80°	43.7	46.5	49.6	55.7	61.0	65.6	69.1	70.6	71.4	71.2	68.8
77.5°	51.1	56.1	61.7	70.5	78.8	86.4	92.9	96.6	98.5	99.4	96.5
75°	51.0	57.8	66.5	78.8	90.5	101.4	109.7	115.4	120.0	123.5	120.4
72.5°	44.3	50.7	61.1	76.7	93.1	107.1	118.4	127.9	136.2	143.3	138.4
70°	35.2	39.7	49.0	62.9	78.0	94.2	111.3	128.5	145.4	156.4	148.5
67.5°	27.8	30.4	38.0	49.1	62.1	76.7	94.0	113.8	132.9	150.8	147.2
65°	23.6	24.5	29.1	37.1	47.0	58.9	73.4	90.7	111.0	131.4	132.1
62.5°	22.2	22.9	25.7	29.9	35.6	43.1	54.2	69.3	86.8	100.8	105.8
60°	22.5	23.3	25.1	27.2	29.6	33.5	42.2	52.4	64.4	76.2	82.2
57.5°	24.9	25.3	26.2	27.3	28.7	32.2	36.7	41.5	51.3	58.2	63.3
55°	26.8	27.4	28.0	28.5	29.3	32.3	35.8	39.9	44.3	46.5	52.9
52.5°	28.9	30.6	31.5	31.0	32.0	34.3	35.8	39.4	43.0	45.6	47.2
50°	40.9	43.0	41.5	37.9	41.4	40.9	40.5	41.4	45.6	47.9	47.8
47.5°	73.3	73.9	67.0	62.4	66.2	61.3	57.5	54.2	60.6	54.5	53.9
45°	138.1	134.9	118.8	120.6	116.1	108.2	91.7	100.4	92.8	83.2	63.8
42.5°	242.0	237.1	220.4	229.8	213.4	192.7	183.5	193.0	161.6	131.2	138.3
40°	439.3	383.2	415.5	430.3	388.0	326.8	411.0	353.2	301.0	216.4	284.8
37.5°	916.9	747.4	899.3	903.7	783.0	720.3	811.5	731.5	510.9	540.2	549.7
35°	1967.8	1873.7	1839.8	1774.3	1548.6	1623.9	1455.3	1287.4	1105.6	1045.7	946.3
32.5°	3563.3	3663.2	3427.3	3137.7	3110.2	2955.5	2605.8	2099.0	2101.0	1894.2	1547.8
30°	6335.3	6201.1	5778.3	5297.8	5288.0	4893.4	4113.9	3775.0	3462.1	2992.4	2332.2
27.5°	10503.0	9574.9	8908.1	8533.8	7979.3	7329.5	6563.7	5771.4	5102.9	4387.2	3498.7
25°	15415.8	14260.6	13066.3	12273.9	11309.0	10283.2	9331.7	8220.7	7102.3	5979.8	4854.0
22.5°	20686.0	19283.0	17825.9	16352.2	14908.8	13592.7	12330.4	10856.9	9151.7	7575.8	6273.7
20°	26099.2	24182.9	22425.7	20381.1	18424.9	16822.9	15396.1	13366.9	11090.2	9174.9	7656.3
17.5°	31243.0	28800.0	26324.6	23785.6	21669.4	19933.8	17725.9	15353.2	12900.7	10678.9	8977.0
15°	35872.0	32511.5	29564.1	26889.4	24335.0	21819.5	19505.0	17158.5	14593.0	12190.3	10183.4
12.5°	39077.2	35555.3	32390.8	29017.2	26038.1	23405.4	21055.7	18702.9	16009.8	13191.4	10856.6
10°	41426.4	37609.5	33915.0	30474.7	27479.4	24810.4	22200.2	19526.1	16615.1	13791.3	11416.0
7.5°	42507.9	38695.1	35061.1	31524.1	28396.1	25603.7	22831.6	20047.9	17047.9	14206.9	11865.3
5°	43012.1	39359.4	35749.6	32064.3	28923.9	26163.8	23345.6	20444.3	17311.6	14457.1	12209.6
2.5°	43473.1	39717.6	36091.7	32293.8	29236.2	26543.8	23794.1	20844.5	17639.4	14717.8	12430.0
0°	43779.2	40084.5	36414.7	32443.1	29412.3	26779.2	24183.5	21200.6	17924.3	14899.8	12562.2
-2.5°	43252.6	39536.9	35927.0	32139.4	29041.4	26447.0	23901.8	21053.0	17869.0	14899.7	12567.5
-5°	42103.3	38437.1	34901.2	31285.7	28195.3	25619.0	23167.4	20505.9	17545.0	14737.4	12492.1
-7.5°	39952.0	36675.5	33466.2	30101.9	27059.9	24493.6	22093.5	19562.4	16832.3	14201.4	12047.1
-10°	37208.7	34198.2	31200.7	28221.7	25546.3	23184.1	20899.9	18531.9	16006.0	13559.4	11530.1
-12.5°	34481.0	31610.1	28755.2	26020.3	23686.8	21511.9	19482.8	17399.4	15081.9	12814.8	10949.1
-15°	31535.7	28946.0	26426.8	23990.0	21732.9	19746.5	17952.2	16092.2	14036.1	12008.1	10309.7
-17.5°	28975.0	26399.4	24089.3	22120.1	20067.9	18049.1	16442.2	14813.0	13059.4	11308.2	9761.7
-20°	26710.6	24526.8	22280.8	20399.7	18646.3	16890.9	15162.2	13614.4	12153.5	10672.7	9288.4



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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°	24873.8	22897.3	20915.4	19003.0	17344.6	15846.5	14327.7	12789.1	11307.5	10021.6	8830.4
-25°	23241.0	21374.8	19636.3	18021.5	16337.6	14854.2	13569.0	12205.7	10792.6	9445.9	8407.4
-27.5°	21875.1	20175.3	18608.4	17147.8	15633.3	14177.5	12905.6	11644.5	10333.0	9123.2	8057.0
-30°	20702.7	19225.4	17775.6	16400.2	15014.6	13645.7	12328.1	11131.4	9914.7	8774.1	7765.2
-32.5°	19590.2	18219.8	16899.3	15645.2	14355.8	13072.0	11835.8	10612.6	9442.1	8420.1	7484.2
-35°	18425.1	17153.3	15972.1	14810.5	13652.5	12459.6	11276.3	10077.7	8986.6	8027.7	7158.9
-37.5°	17281.8	16103.8	15011.5	13934.7	12880.6	11791.9	10651.8	9559.4	8527.4	7613.7	6791.2
-40°	16114.6	15049.1	14026.2	13039.1	12055.2	11069.2	10030.2	9015.8	8070.1	7158.9	6386.7
-42.5°	14892.2	13940.3	13017.9	12107.2	11191.3	10293.8	9384.4	8468.4	7580.4	6732.6	5957.9
-45°	13628.9	12804.8	11976.7	11145.2	10306.2	9513.3	8732.9	7894.2	7069.5	6280.9	5515.6
-47.5°	12406.9	11686.5	10930.6	10185.5	9464.1	8744.3	8040.1	7295.5	6539.0	5800.4	5120.7
-50°	11259.0	10602.6	9937.8	9279.1	8643.5	7992.9	7340.8	6685.8	5989.7	5329.9	4709.4
-52.5°	10104.9	9548.8	8982.1	8410.6	7835.8	7239.6	6636.6	6053.2	5439.0	4860.7	4311.5
-55°	9024.4	8533.9	8036.2	7531.8	7029.8	6505.6	5967.8	5437.5	4920.9	4396.7	3924.6
-57.5°	7964.3	7530.8	7120.6	6698.4	6266.2	5807.2	5338.8	4865.1	4409.3	3961.2	3534.6
-60°	6990.6	6625.4	6265.1	5903.1	5541.8	5147.8	4725.9	4310.2	3902.8	3530.5	3168.3
-62.5°	6043.2	5726.4	5428.9	5129.8	4819.0	4483.6	4123.1	3785.2	3445.2	3110.9	2817.4
-65°	5169.5	4906.3	4644.7	4399.0	4151.5	3900.5	3595.0	3296.1	3009.9	2734.4	2477.7
-67.5°	4372.6	4160.8	3952.8	3747.1	3541.8	3332.8	3081.5	2827.8	2592.7	2369.5	2151.4
-70°	3624.7	3454.5	3284.5	3114.1	2946.9	2783.2	2593.4	2393.3	2197.9	2008.0	1817.9
-72.5°	2916.8	2784.9	2653.2	2525.2	2395.4	2268.0	2121.3	1957.3	1795.0	1635.1	1480.8
-75°	2256.0	2159.0	2061.0	1965.6	1866.5	1764.4	1657.9	1535.8	1412.9	1289.6	1167.3
-77.5°	1653.9	1587.4	1519.3	1455.7	1390.4	1323.8	1248.2	1150.8	1058.8	967.9	879.4
-80°	1126.6	1085.3	1043.1	1005.7	965.7	923.2	874.4	805.1	736.4	672.7	615.0
-82.5°	684.4	663.9	641.8	620.4	596.8	571.3	542.6	502.3	462.6	423.7	385.8
-85°	340.6	332.5	323.5	314.2	304.1	293.3	281.5	264.3	246.6	228.3	209.4
-87.5°	124.7	122.0	119.1	117.0	114.7	112.2	109.5	103.1	96.8	90.6	84.3
-90°	4.2	4.2	4.2	4.7	5.2	5.7	6.2	6.2	6.2	6.2	6.2



REPORT NUMBER: P701719 (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°
90°	16.2	15.7	15.1	14.6	14.6	14.6	14.6	14.6	14.1	13.6	13.0
87.5°	10.8	12.3	13.5	14.6	13.8	13.0	12.2	11.5	11.9	12.2	12.5
85°	20.4	21.0	21.9	22.9	21.6	19.7	18.2	16.8	17.1	17.3	17.2
82.5°	34.8	33.0	32.0	31.4	31.2	30.2	28.4	25.9	23.4	22.3	21.9
80°	61.7	55.2	49.4	44.4	41.7	40.8	39.7	36.9	31.3	27.4	25.4
77.5°	86.6	77.6	69.4	61.2	53.9	49.0	46.6	45.3	38.8	32.3	28.1
75°	109.3	97.5	86.4	75.6	65.1	56.5	50.6	46.7	41.6	36.5	30.5
72.5°	124.5	111.8	100.4	88.5	74.9	63.5	54.4	48.0	42.8	37.5	32.3
70°	135.1	122.7	109.7	96.2	82.7	69.7	58.3	50.5	43.8	38.5	33.1
67.5°	141.5	127.6	114.8	102.5	88.7	74.9	61.6	53.2	46.3	39.4	33.9
65°	127.3	122.8	117.5	104.4	92.1	79.5	65.5	56.2	48.6	41.4	34.5
62.5°	108.9	108.9	105.8	102.6	92.9	80.9	69.4	59.8	51.0	43.4	35.9
60°	86.2	90.1	93.1	92.3	89.0	80.7	70.8	63.2	53.8	45.3	37.6
57.5°	69.6	72.3	78.2	81.8	80.8	76.9	71.6	64.9	56.3	47.2	39.2
55°	56.9	61.8	66.7	70.9	72.8	70.5	71.2	65.8	58.3	49.0	41.0
52.5°	50.4	55.2	60.1	63.0	65.2	66.2	69.4	66.9	59.3	50.6	43.1
50°	48.5	53.6	57.2	59.5	59.6	64.6	68.7	67.2	60.4	51.8	45.4
47.5°	55.8	60.1	58.8	58.5	58.4	64.7	69.6	68.4	61.5	52.9	47.8
45°	83.0	76.1	68.3	62.5	62.7	69.3	71.9	70.5	63.7	55.9	50.5
42.5°	131.5	118.2	90.4	68.4	80.2	76.8	75.6	74.1	66.7	59.4	53.5
40°	266.1	186.3	128.7	119.3	110.2	86.9	84.0	78.7	70.6	63.8	56.8
37.5°	453.8	328.8	208.6	212.9	164.2	123.7	94.3	84.5	77.4	69.5	60.5
35°	779.2	548.6	434.7	386.9	278.0	169.0	106.1	92.7	85.7	75.4	64.4
32.5°	1181.6	963.8	850.9	651.7	420.4	222.7	138.8	108.0	95.0	81.7	68.5
30°	1861.7	1681.6	1364.0	976.8	621.3	354.8	196.2	125.7	105.2	88.1	73.0
27.5°	2887.4	2528.0	1988.7	1446.3	931.3	515.4	281.1	145.4	116.3	95.5	78.3
25°	4004.2	3487.3	2802.3	2004.6	1280.5	770.4	384.8	169.3	131.1	104.4	83.5
22.5°	5238.0	4478.7	3700.2	2615.0	1668.0	1066.6	549.8	248.5	148.4	113.6	88.8
20°	6420.1	5487.9	4598.1	3094.1	2081.8	1411.3	779.8	337.2	166.5	123.1	94.1
17.5°	7568.2	6316.4	5083.5	3616.0	2487.5	1736.7	1028.3	433.3	185.1	132.7	99.2
15°	8351.0	6869.9	5537.8	4082.0	2850.0	2042.8	1289.8	534.4	204.0	142.3	107.1
12.5°	8951.0	7371.4	5971.6	4492.5	3171.2	2329.4	1557.8	637.8	223.0	157.3	118.5
10°	9466.2	7819.7	6378.5	4848.2	3453.5	2596.4	1825.8	735.4	252.2	176.5	129.8
7.5°	9898.7	8214.1	6751.6	5150.3	3684.3	2772.6	1990.1	814.7	282.4	195.6	141.1
5°	10236.1	8506.2	7046.7	5356.0	3804.2	2851.8	2114.4	884.0	311.8	214.4	152.0
2.5°	10437.0	8665.0	7269.7	5509.0	3900.0	2910.2	2211.1	942.2	340.0	232.6	162.7
0°	10568.0	8767.5	7437.4	5613.9	3969.5	2949.6	2279.3	988.7	366.4	249.8	172.8
-2.5°	10617.9	8782.8	7461.6	5747.8	4110.9	3071.5	2345.6	1117.8	490.1	334.6	227.2
-5°	10590.4	8751.4	7436.8	5832.0	4222.6	3173.0	2387.2	1234.2	609.8	416.9	280.1
-7.5°	10259.4	8566.7	7308.4	5844.8	4303.2	3250.7	2408.9	1337.9	723.8	495.4	330.9
-10°	9817.4	8269.9	7041.6	5668.8	4294.6	3297.5	2420.3	1429.0	830.5	569.0	378.7
-12.5°	9327.2	7934.4	6751.9	5476.8	4255.7	3322.8	2452.1	1514.0	928.0	636.5	422.8
-15°	8796.6	7562.8	6447.3	5278.5	4201.6	3335.7	2469.3	1586.8	1016.1	700.5	462.5
-17.5°	8274.6	7157.7	6135.3	5083.4	4135.7	3338.0	2474.2	1643.0	1094.1	762.2	504.9
-20°	7990.9	6863.3	5828.7	4899.6	4061.1	3331.8	2468.7	1682.2	1160.9	816.6	548.3



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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°	7707.8	6670.5	5681.5	4769.2	3998.2	3318.7	2455.1	1703.9	1215.6	863.1	586.1
-25°	7410.0	6467.7	5538.9	4677.0	3956.0	3271.1	2448.2	1707.6	1257.7	901.2	617.8
-27.5°	7146.6	6262.9	5374.1	4549.0	3873.4	3220.7	2437.5	1748.1	1290.8	930.5	643.1
-30°	6899.8	6055.9	5199.6	4399.0	3761.0	3099.0	2405.4	1773.7	1320.3	955.6	661.6
-32.5°	6645.0	5829.0	4989.5	4252.6	3611.7	2960.8	2314.9	1781.4	1337.8	974.4	677.4
-35°	6347.9	5553.9	4744.2	4071.0	3444.2	2818.3	2213.6	1771.0	1343.1	983.7	687.4
-37.5°	6010.5	5231.8	4512.5	3866.4	3264.9	2665.2	2139.9	1718.6	1336.0	983.3	690.1
-40°	5637.4	4910.0	4246.8	3658.6	3083.0	2502.1	2052.1	1663.4	1323.6	973.2	685.3
-42.5°	5245.0	4595.8	3993.0	3438.3	2894.4	2388.5	1953.9	1597.7	1278.5	957.8	673.1
-45°	4878.2	4276.1	3730.1	3214.8	2705.7	2260.8	1869.1	1523.6	1221.8	934.8	656.4
-47.5°	4499.8	3967.3	3463.8	2978.4	2545.8	2127.4	1772.7	1450.0	1157.2	901.5	637.1
-50°	4142.8	3656.8	3195.9	2765.6	2363.3	2006.6	1668.5	1367.0	1092.5	845.7	611.4
-52.5°	3807.0	3356.8	2942.6	2551.8	2201.7	1873.3	1563.7	1275.9	1020.5	791.4	579.5
-55°	3473.5	3071.0	2695.1	2354.3	2036.8	1738.0	1448.7	1184.4	941.4	734.5	542.4
-57.5°	3152.6	2787.7	2468.2	2161.9	1867.9	1592.2	1330.7	1084.8	864.6	672.2	506.5
-60°	2829.8	2534.2	2246.3	1961.8	1691.4	1441.7	1207.4	981.6	784.0	607.0	461.4
-62.5°	2537.4	2272.4	2011.9	1751.5	1511.8	1288.4	1078.0	879.4	697.4	546.1	411.3
-65°	2237.8	2000.2	1766.3	1543.2	1329.9	1131.0	949.9	770.5	617.2	481.5	362.0
-67.5°	1934.6	1727.2	1528.5	1330.4	1149.4	978.4	814.7	669.0	535.7	413.4	319.4
-70°	1631.8	1452.5	1289.8	1129.9	971.9	822.9	693.1	568.5	450.4	358.0	274.7
-72.5°	1335.5	1195.6	1061.6	927.4	801.1	682.0	570.4	468.5	381.0	300.8	228.1
-75°	1049.3	944.4	843.5	740.9	635.7	538.1	459.0	383.8	309.4	241.4	187.6
-77.5°	794.8	711.8	630.7	559.4	486.9	419.0	356.0	296.5	239.4	191.3	148.6
-80°	559.9	506.0	453.5	401.7	347.6	297.6	257.7	219.0	177.9	141.0	108.5
-82.5°	348.2	317.5	288.9	260.1	229.0	199.2	170.8	143.7	115.1	89.7	74.6
-85°	191.1	172.7	154.3	135.9	117.4	99.8	91.4	83.0	72.8	63.2	54.2
-87.5°	79.8	75.1	70.5	65.9	61.6	57.3	53.0	48.9	43.5	38.4	33.7
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.7	7.3	7.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.5	12.0	11.5	10.9	10.4	9.4	8.3
87.5°	12.6	12.0	11.5	11.2	11.1	9.7	8.3
85°	16.9	15.1	13.7	12.6	11.8	10.0	8.3
82.5°	21.2	18.2	15.8	13.9	12.5	10.3	8.3
80°	25.0	21.3	17.9	15.3	13.2	10.6	8.3
77.5°	25.9	23.4	20.0	16.6	13.9	10.9	8.3
75°	26.7	23.8	21.7	17.8	14.6	11.2	8.3
72.5°	27.5	24.2	21.7	19.0	15.2	11.5	8.3
70°	28.2	24.4	21.7	20.0	15.9	11.8	8.3
67.5°	29.0	24.7	21.7	19.8	16.5	12.0	8.3
65°	29.9	25.2	21.6	19.6	17.1	12.3	8.3
62.5°	30.7	26.0	21.5	19.4	17.6	12.5	8.3
60°	31.6	26.8	21.3	19.1	18.1	12.8	8.3
57.5°	33.2	27.7	22.0	18.8	18.0	13.0	8.3
55°	34.8	28.5	22.7	18.5	17.8	13.2	8.3
52.5°	36.4	29.4	23.4	18.1	17.7	13.5	8.3
50°	38.0	30.7	24.1	17.8	17.6	13.6	8.3
47.5°	39.6	32.0	24.8	17.6	17.5	13.8	8.3
45°	41.9	33.2	25.4	18.1	17.4	14.0	8.3
42.5°	44.4	34.4	26.1	18.5	17.4	14.2	8.3
40°	46.9	35.5	26.8	19.3	17.3	14.3	8.3
37.5°	49.5	36.6	27.6	20.3	17.3	14.4	8.3
35°	52.2	38.3	28.4	21.3	17.3	14.5	8.3
32.5°	55.1	40.4	29.1	22.3	17.4	14.6	8.3
30°	58.3	42.4	29.8	23.4	17.4	14.7	8.3
27.5°	61.6	44.4	31.9	24.5	17.5	14.8	8.3
25°	64.9	46.3	34.3	25.6	17.6	14.8	8.3
22.5°	68.3	49.2	36.9	26.7	17.7	14.9	8.3
20°	71.6	54.5	39.5	27.8	17.8	14.9	8.3
17.5°	77.7	59.9	42.2	28.9	17.9	14.9	8.3
15°	85.5	65.3	44.9	30.0	18.0	14.9	8.3
12.5°	93.3	70.7	47.7	31.0	18.1	14.9	8.3
10°	100.9	76.1	50.4	32.0	18.3	14.9	8.3
7.5°	108.3	81.3	53.1	33.0	18.4	14.8	8.3
5°	115.6	86.4	55.7	33.9	18.5	14.8	8.3
2.5°	122.5	91.2	58.1	34.7	18.6	14.7	8.3
0°	129.1	95.8	60.4	35.4	18.7	14.6	8.3
-2.5°	161.5	114.5	70.2	39.7	20.1	14.9	8.3
-5°	193.0	132.6	79.7	43.9	21.6	15.1	8.3
-7.5°	223.4	150.0	88.8	47.9	22.9	15.4	8.3
-10°	252.1	166.3	97.3	51.7	24.3	15.6	8.3
-12.5°	278.9	181.4	105.2	55.2	25.5	15.8	8.3
-15°	303.3	195.1	112.4	58.3	26.7	16.0	8.3
-17.5°	324.9	207.2	118.8	61.2	27.8	16.1	8.3
-20°	348.6	217.5	124.2	63.6	28.8	16.3	8.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	377.0	225.8	128.6	65.6	29.6	16.4	8.3
-25°	401.1	238.5	132.0	67.1	30.4	16.4	8.3
-27.5°	420.7	251.4	134.2	68.2	31.0	16.5	8.3
-30°	435.6	261.4	135.8	68.7	31.5	16.5	8.3
-32.5°	445.5	268.4	140.9	68.7	31.8	16.5	8.3
-35°	452.6	272.4	144.2	68.2	32.0	16.5	8.3
-37.5°	456.0	274.2	145.7	67.0	32.1	16.4	8.3
-40°	454.7	275.2	145.4	65.4	31.9	16.4	8.3
-42.5°	448.6	273.2	144.6	63.9	31.7	16.2	8.3
-45°	437.7	268.2	143.7	63.1	31.2	16.1	8.3
-47.5°	422.1	260.2	141.3	61.5	30.6	15.9	8.3
-50°	406.7	249.3	137.3	60.9	29.9	15.7	8.3
-52.5°	387.8	235.4	131.7	60.3	29.0	15.5	8.3
-55°	364.8	223.7	124.7	59.0	27.9	15.2	8.3
-57.5°	337.9	210.8	116.3	57.1	26.7	14.9	8.3
-60°	308.2	195.6	106.7	54.5	25.4	14.6	8.3
-62.5°	283.6	178.4	100.1	51.2	24.5	14.3	8.3
-65°	256.1	159.3	92.4	47.5	23.5	13.9	8.3
-67.5°	226.0	141.5	83.7	43.2	22.4	13.5	8.3
-70°	193.6	125.5	74.1	38.4	21.3	13.1	8.3
-72.5°	166.6	108.2	63.7	35.2	20.0	12.7	8.3
-75°	138.9	89.7	52.6	32.1	18.8	12.2	8.3
-77.5°	109.9	70.3	45.4	28.9	17.5	11.8	8.3
-80°	79.6	56.5	39.0	25.5	16.1	11.3	8.3
-82.5°	62.0	45.7	32.3	22.0	14.7	10.8	8.3
-85°	45.7	34.6	25.5	18.4	13.3	10.3	8.3
-87.5°	29.2	23.3	18.5	14.7	11.9	9.9	8.3
-90°	8.3	8.8	9.4	9.9	10.4	9.4	8.3

(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

