

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: P701624 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-7F-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701624 (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: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-7F-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

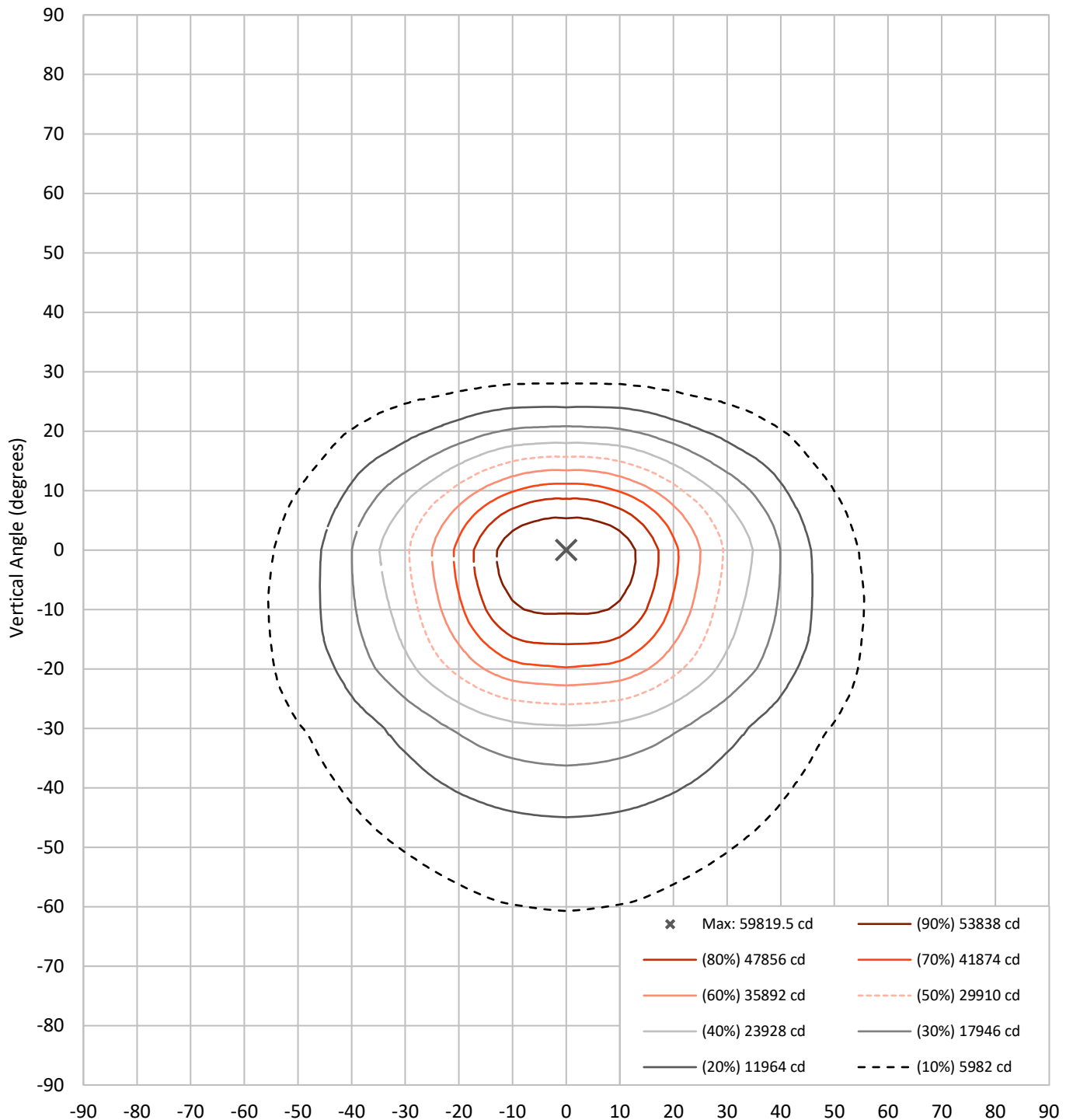
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	52335 lumens	Max Intensity:	59819.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	75.0 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:	25371.5 lumens	Field Lumens:	47532.6 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

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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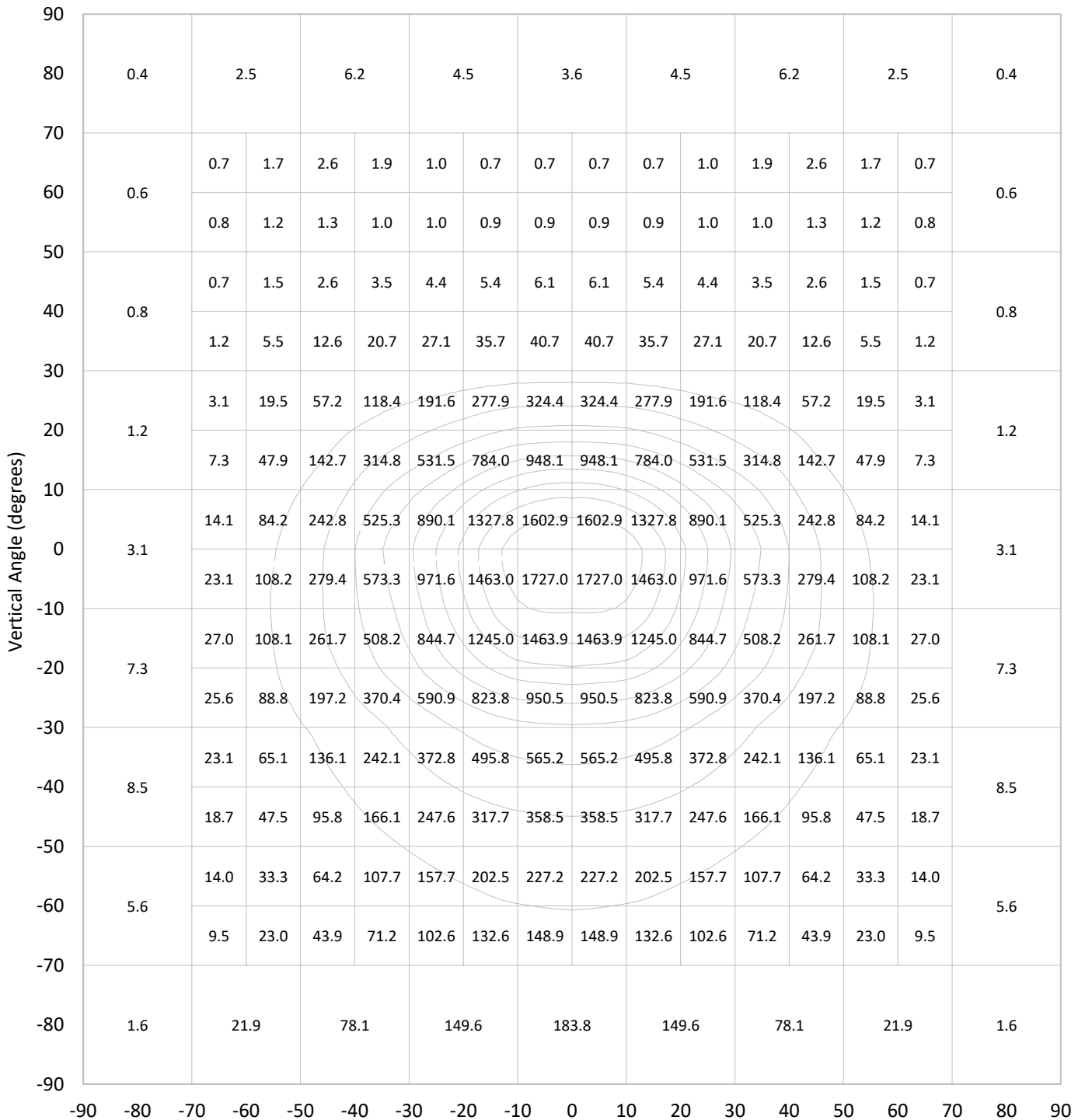
Iso-Candela Plot





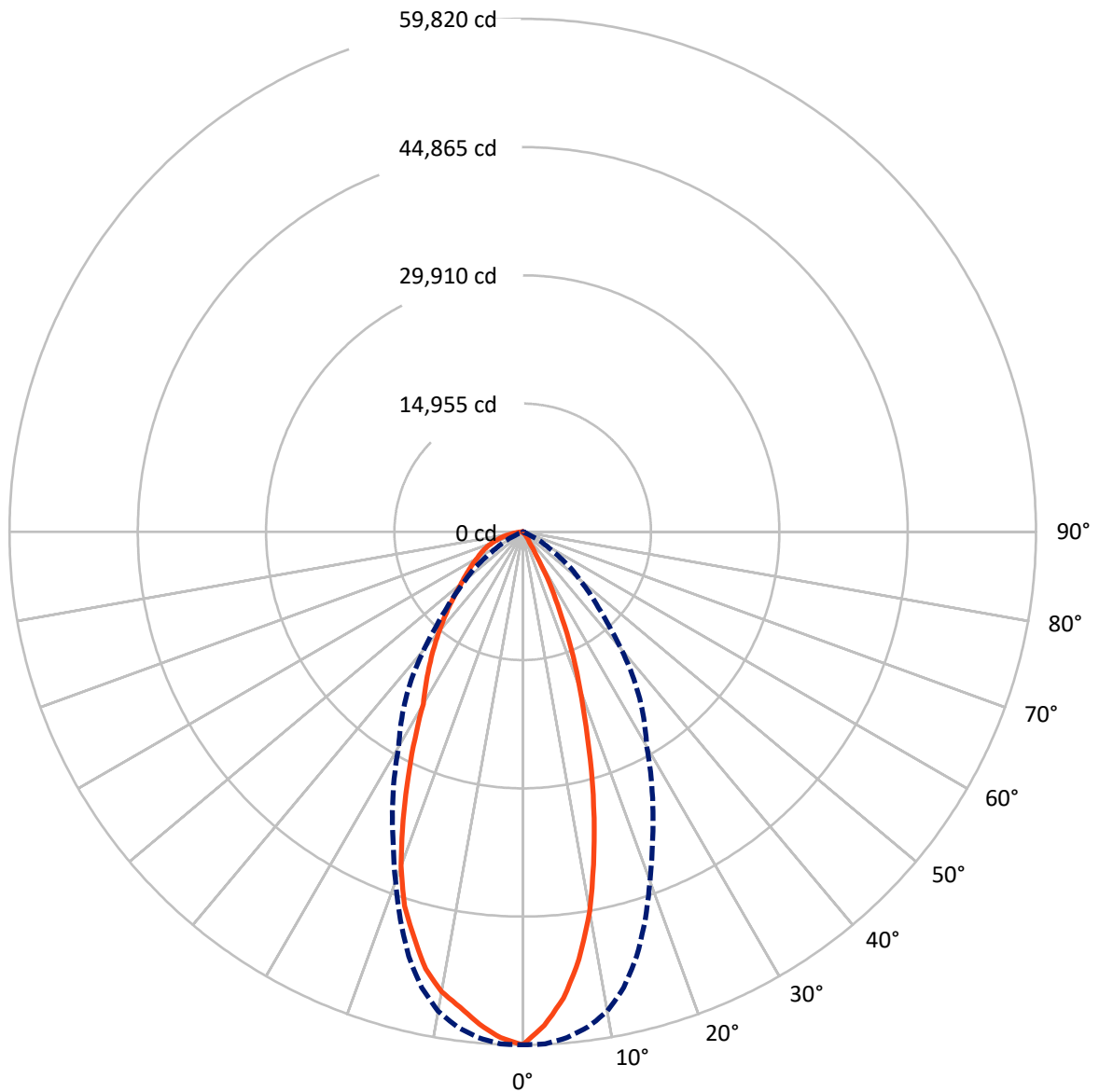
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Lumen Table



REPORT NUMBER: P701624 (CONVERTED FROM TYPE C PHOTOMETRY)
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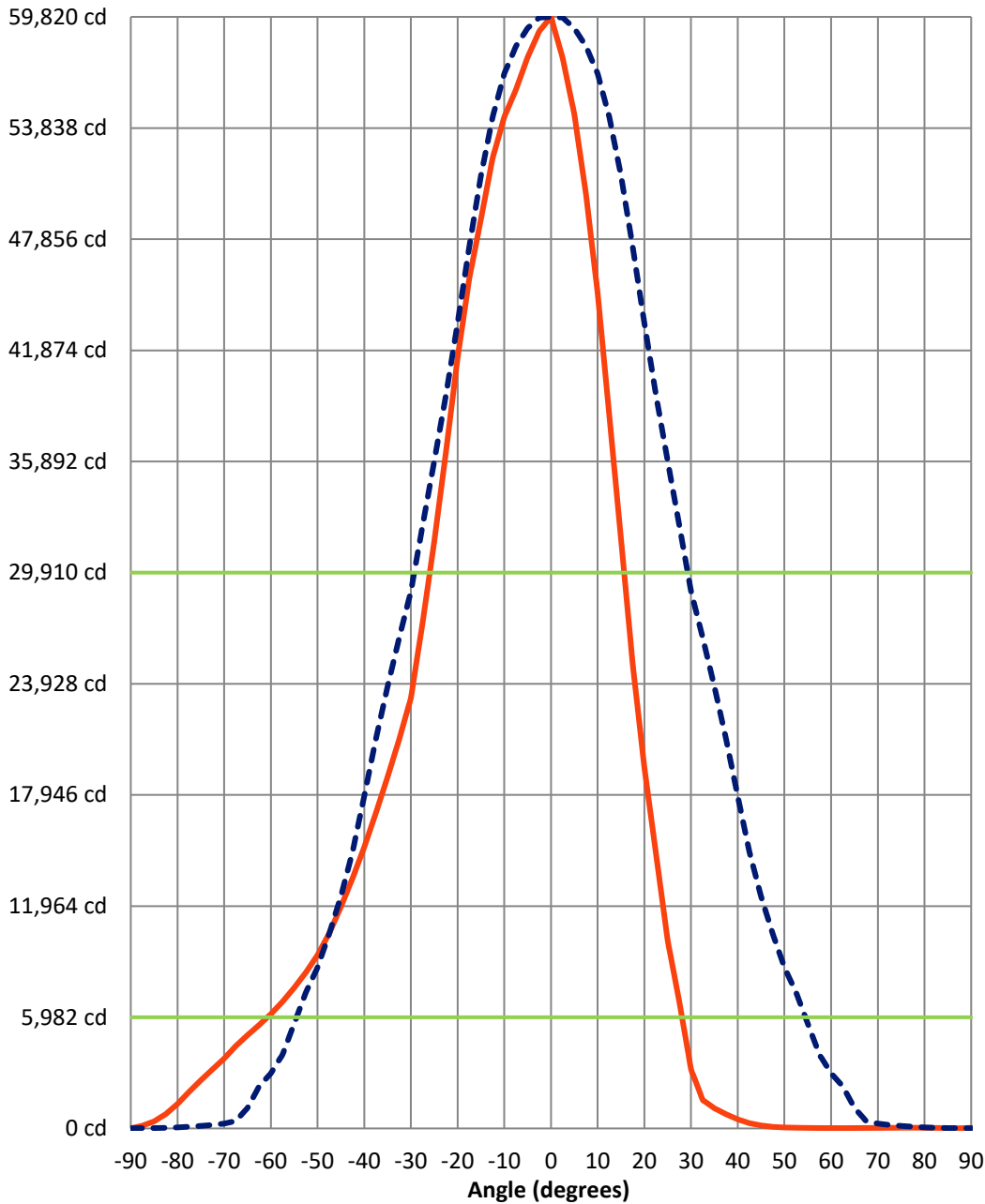
Luminous Intensity Polar Plot



— 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: 25371.5
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 47532.6
 Efficiency: 90.8%

Spill:
 Lumens: 4802.5
 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°	8.4	9.5	10.5	11.0	11.6	12.1	12.6	13.1	13.7	14.2	14.7
87.5°	8.4	8.7	9.1	9.7	10.4	11.2	12.2	12.5	12.7	12.8	12.8
85°	8.4	9.0	9.9	11.0	12.4	14.1	16.0	16.6	17.0	17.3	17.3
82.5°	8.4	9.4	10.6	12.3	14.4	16.9	19.7	20.7	21.4	22.8	25.5
80°	8.4	9.7	11.3	13.5	16.3	19.6	23.0	23.6	25.8	29.9	35.7
77.5°	8.4	10.0	12.0	14.8	18.2	21.4	23.4	25.6	30.0	36.6	43.5
75°	8.4	10.3	12.7	16.0	19.7	21.5	23.8	27.5	33.6	39.2	44.8
72.5°	8.4	10.6	13.4	17.2	19.6	21.6	24.1	28.8	34.5	40.3	46.0
70°	8.4	10.9	14.1	18.1	19.5	21.6	24.4	29.6	35.4	41.3	47.8
67.5°	8.4	11.2	14.7	17.8	19.3	21.5	25.3	30.2	36.2	42.9	49.7
65°	8.4	11.5	15.3	17.6	19.1	21.9	26.1	30.9	37.6	44.5	52.1
62.5°	8.4	11.7	15.9	17.3	18.9	22.6	26.9	31.8	38.9	46.3	55.9
60°	8.4	12.0	16.5	17.0	18.6	23.3	27.7	32.8	40.0	49.4	59.4
57.5°	8.4	12.3	16.4	16.7	19.1	24.0	28.9	33.9	42.2	52.2	61.2
55°	8.4	12.5	16.3	16.4	19.7	24.7	30.3	35.3	44.4	54.5	62.2
52.5°	8.4	12.7	16.2	16.0	20.2	25.4	31.6	37.7	46.5	55.6	63.3
50°	8.4	13.0	16.1	15.6	20.8	26.6	33.0	40.2	48.1	56.8	61.5
47.5°	8.4	13.2	16.1	15.4	21.3	27.8	34.4	42.7	49.1	57.9	59.7
45°	8.4	13.4	16.1	15.8	21.7	28.9	36.6	45.2	51.7	56.6	58.1
42.5°	8.4	13.6	16.1	16.1	22.2	30.0	38.7	47.8	54.7	55.4	56.4
40°	8.4	13.7	16.1	16.8	22.8	31.1	40.8	50.7	57.6	54.9	55.2
37.5°	8.4	13.9	16.2	17.6	23.6	32.2	42.8	53.7	60.2	58.2	54.6
35°	8.4	14.1	16.3	18.5	24.4	33.6	44.8	57.0	63.4	62.8	58.6
32.5°	8.4	14.2	16.4	19.5	25.2	35.1	47.0	60.5	67.4	68.8	75.3
30°	8.4	14.3	16.5	20.4	25.9	36.6	49.7	64.1	72.0	76.0	92.4
27.5°	8.4	14.4	16.7	21.4	27.9	38.0	52.4	67.7	77.6	84.4	109.9
25°	8.4	14.5	16.8	22.4	30.2	39.3	55.1	71.6	84.2	97.3	129.4
22.5°	8.4	14.6	17.0	23.4	32.7	41.6	57.9	75.8	91.6	112.1	191.9
20°	8.4	14.7	17.2	24.4	35.1	46.9	60.5	80.2	99.4	126.9	258.0
17.5°	8.4	14.7	17.4	25.4	37.7	52.4	67.6	84.8	107.6	141.4	326.6
15°	8.4	14.7	17.6	26.4	40.3	58.1	77.4	94.1	116.1	155.6	396.3
12.5°	8.4	14.8	17.9	27.3	42.8	64.0	87.5	109.5	133.8	169.4	465.6
10°	8.4	14.8	18.1	28.2	45.4	69.9	97.6	125.2	159.1	211.0	557.0
7.5°	8.4	14.8	18.3	29.1	47.8	75.8	107.7	141.0	184.7	258.1	698.9
5°	8.4	14.8	18.5	30.0	50.2	81.5	117.6	156.6	210.5	305.9	840.2
2.5°	8.4	14.7	18.7	30.8	52.5	87.1	127.3	172.0	235.8	353.2	976.3
0°	8.4	14.7	18.9	31.5	54.6	92.4	136.5	186.9	260.4	399.1	1102.7
-2.5°	8.4	15.0	20.3	36.2	65.2	112.2	171.9	245.4	352.5	547.9	1297.8
-5°	8.4	15.2	21.6	40.7	75.6	131.4	206.3	302.3	442.0	691.4	1476.1
-7.5°	8.4	15.5	22.9	45.0	85.5	149.8	239.3	356.9	527.5	826.8	1635.0
-10°	8.4	15.7	24.2	49.1	94.8	167.1	270.3	408.4	607.8	951.4	1772.3
-12.5°	8.4	15.9	25.3	53.0	103.5	183.2	298.9	455.9	681.4	1058.6	1824.3
-15°	8.4	16.1	26.5	56.5	111.4	197.8	324.7	498.8	746.0	1124.1	1832.3
-17.5°	8.4	16.2	27.5	59.6	118.5	210.7	347.3	539.6	801.6	1180.1	1829.4
-20°	8.4	16.4	28.4	62.3	124.6	221.9	369.4	577.8	849.8	1226.2	1816.7



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.4	16.5	29.2	64.5	129.6	230.9	392.9	610.4	889.8	1262.0	1795.5
-25°	8.4	16.6	29.9	66.2	133.4	242.8	412.3	637.0	921.3	1287.1	1767.1
-27.5°	8.4	16.6	30.5	67.4	136.1	254.2	427.5	657.3	943.8	1307.9	1785.0
-30°	8.4	16.7	31.0	68.1	137.9	262.7	438.2	670.9	962.6	1329.8	1792.2
-32.5°	8.4	16.7	31.3	68.1	142.1	268.3	444.2	681.5	975.8	1339.4	1785.9
-35°	8.4	16.6	31.5	67.5	144.6	270.8	449.0	686.6	979.8	1336.6	1766.1
-37.5°	8.4	16.6	31.6	66.3	145.5	271.5	450.8	685.1	974.5	1321.2	1679.9
-40°	8.4	16.5	31.5	64.5	144.5	271.6	447.9	676.7	959.6	1302.6	1593.5
-42.5°	8.4	16.4	31.3	62.7	143.3	268.9	440.3	661.5	940.5	1239.9	1501.6
-45°	8.4	16.2	30.9	61.6	141.9	263.4	428.0	642.7	914.9	1167.8	1406.8
-47.5°	8.4	16.0	30.4	59.7	139.0	255.1	411.1	621.9	879.8	1092.2	1322.4
-50°	8.4	15.8	29.7	59.1	134.6	243.9	395.5	594.9	818.3	1022.9	1234.1
-52.5°	8.4	15.6	28.9	58.4	128.8	230.1	376.8	561.7	760.5	950.7	1143.4
-55°	8.4	15.3	27.9	57.1	121.6	218.3	354.3	523.7	702.7	875.6	1060.3
-57.5°	8.4	15.0	26.8	55.1	113.0	205.3	328.1	489.1	642.2	805.1	974.4
-60°	8.4	14.7	25.6	52.5	103.3	190.2	299.3	445.7	581.0	733.8	888.6
-62.5°	8.4	14.4	24.7	49.2	96.4	173.2	275.1	397.9	524.0	659.8	806.0
-65°	8.4	14.0	23.7	45.4	88.4	154.3	248.2	350.9	464.2	588.2	720.7
-67.5°	8.4	13.6	22.6	41.0	79.4	136.4	218.9	309.6	401.5	514.7	634.6
-70°	8.4	13.2	21.4	36.1	69.4	119.6	187.3	266.2	347.7	438.2	546.0
-72.5°	8.4	12.8	20.2	33.0	58.6	101.5	159.3	220.9	291.9	370.6	456.6
-75°	8.4	12.4	18.9	30.2	47.2	82.3	130.3	179.9	234.1	300.7	373.6
-77.5°	8.4	11.9	17.6	27.2	40.6	62.0	99.8	139.8	183.5	231.9	288.1
-80°	8.4	11.4	16.2	24.2	35.1	49.0	68.2	98.7	132.7	170.5	211.7
-82.5°	8.4	10.9	14.8	21.0	29.4	40.0	52.9	65.2	80.9	107.8	137.4
-85°	8.4	10.5	13.4	17.7	23.5	30.8	39.6	48.0	57.3	67.4	78.4
-87.5°	8.4	10.0	12.0	14.4	17.6	21.5	26.2	30.6	35.5	40.9	46.6
-90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	15.2	15.8	16.3	16.8	17.3	17.9	18.4	18.9	20.0	21.0	22.1
87.5°	13.5	14.2	14.9	15.6	14.3	12.8	11.1	9.3	9.8	10.3	10.9
85°	18.6	19.9	21.7	23.1	22.1	21.2	20.6	20.1	21.2	22.2	22.9
82.5°	28.1	29.9	31.1	31.7	32.3	33.3	35.1	38.8	41.2	42.6	43.2
80°	38.6	40.1	41.3	44.2	49.1	55.1	61.9	69.4	71.4	71.0	69.7
77.5°	45.1	47.8	52.8	59.9	68.2	76.6	86.0	96.1	98.7	97.5	95.4
75°	49.0	54.9	63.1	73.3	84.0	95.3	107.4	118.4	121.1	117.5	113.2
72.5°	52.4	61.0	71.9	85.2	97.6	109.3	121.5	134.2	139.2	133.3	125.5
70°	55.4	66.2	79.5	93.8	108.0	120.3	132.3	146.1	154.9	143.9	126.7
67.5°	58.0	71.6	86.1	100.8	112.9	125.2	139.7	145.6	148.9	131.1	112.8
65°	61.9	76.5	89.5	101.8	114.5	120.5	125.3	129.8	128.0	107.9	88.4
62.5°	65.8	77.7	89.8	99.7	103.7	107.3	106.7	102.4	95.9	83.4	68.3
60°	67.2	77.4	86.1	90.3	91.8	88.5	83.5	79.6	74.0	63.3	53.2
57.5°	68.0	73.9	78.8	80.1	76.2	71.0	69.1	63.6	59.5	52.7	43.7
55°	67.5	68.4	70.8	67.9	64.9	62.9	59.8	58.1	52.3	46.0	39.3
52.5°	64.6	63.6	61.5	60.1	61.0	60.6	59.6	56.6	51.3	45.0	41.2
50°	62.1	58.3	54.9	59.7	63.9	67.4	62.0	58.7	58.5	55.5	49.4
47.5°	58.9	54.0	56.9	64.1	76.3	80.8	73.2	73.0	75.5	81.4	74.1
45°	56.0	57.8	62.5	80.5	95.3	102.2	103.3	95.2	115.3	122.0	120.0
42.5°	53.9	65.8	87.4	99.9	123.8	138.6	144.4	156.4	168.4	183.0	186.7
40°	61.7	76.4	124.8	146.2	161.1	186.2	216.7	236.5	240.2	262.4	272.4
37.5°	72.1	118.9	176.0	212.9	212.0	255.7	301.3	349.1	376.0	354.9	403.7
35°	83.6	169.0	249.7	303.6	317.2	344.4	424.8	516.2	604.7	552.9	578.1
32.5°	118.3	226.3	336.0	418.4	498.6	516.9	566.7	814.6	975.2	977.8	848.6
30°	174.8	306.9	438.9	551.4	736.9	822.0	901.5	1209.5	1479.3	1653.0	1689.9
27.5°	245.8	399.1	564.6	767.3	1030.1	1183.6	1441.3	1772.0	2196.5	2514.5	2734.2
25°	325.6	541.6	702.1	1040.3	1380.2	1662.1	2023.8	2478.9	3074.4	3584.0	4059.7
22.5°	428.1	707.1	920.2	1346.2	1768.0	2179.5	2681.7	3336.0	4093.8	4756.4	5430.6
20°	557.1	895.1	1204.6	1723.5	2209.1	2704.3	3348.6	4258.6	5217.8	6154.6	7029.3
17.5°	696.8	1093.2	1523.2	2154.6	2811.6	3371.5	4046.2	5216.7	6401.5	7688.0	8962.0
15°	843.8	1298.3	1839.0	2624.9	3458.5	4220.8	5113.1	6305.7	7714.5	9364.6	11008.1
12.5°	994.9	1507.3	2148.8	3122.6	4133.2	5085.7	6221.9	7582.5	9199.9	11156.8	13149.7
10°	1146.1	1716.4	2449.3	3634.8	4822.6	5954.6	7302.6	8815.2	10664.6	12863.5	15117.8
7.5°	1420.2	1991.2	2761.1	4147.1	5512.4	6815.0	8345.9	9995.4	12051.7	14496.2	16961.9
5°	1712.9	2329.7	3186.2	4684.6	6163.9	7570.0	9284.0	11111.9	13350.4	16033.7	18707.5
2.5°	1997.2	2655.3	3591.9	5186.5	6762.8	8145.8	9914.8	11837.0	14207.6	17107.3	20033.4
0°	2264.2	2965.7	3973.8	5641.5	7313.4	8666.0	10474.3	12482.3	14885.0	17875.9	20955.0
-2.5°	2505.3	3249.4	4295.3	5919.8	7483.3	8794.7	10615.8	12629.5	15006.0	17878.7	20725.2
-5°	2717.4	3513.8	4586.6	6152.2	7610.3	8880.1	10683.1	12688.8	15019.5	17750.1	20407.9
-7.5°	2898.0	3757.3	4845.8	6319.4	7677.9	8948.5	10697.4	12667.7	14940.2	17516.4	20033.1
-10°	3018.6	3857.6	4862.0	6275.9	7659.4	8976.0	10648.4	12566.3	14754.3	17184.8	19568.6
-12.5°	2940.6	3820.5	4804.2	6179.3	7595.5	8940.4	10534.5	12388.3	14465.5	16774.0	19019.9
-15°	2852.4	3758.9	4710.0	6027.7	7486.4	8837.4	10358.9	12138.1	13969.9	16101.4	18317.4
-17.5°	2758.2	3671.8	4578.2	5819.7	7332.6	8663.7	10033.6	11478.1	13158.8	15249.3	17438.4
-20°	2662.6	3558.3	4407.9	5554.4	7121.4	8222.0	9343.3	10686.2	12279.7	14225.9	16417.4



REPORT NUMBER: P701624 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2569.2	3417.8	4228.2	5321.3	6558.8	7597.3	8610.5	9818.9	11266.2	13027.2	14947.7
-25°	2498.8	3272.3	4054.3	4940.2	5967.5	6962.7	7824.2	8895.5	10212.0	11718.3	13237.7
-27.5°	2444.3	3143.2	3808.0	4564.1	5411.6	6322.9	7088.0	8007.8	9247.5	10453.9	11626.5
-30°	2386.1	2972.4	3558.7	4217.4	4966.5	5722.2	6385.9	7283.6	8386.6	9427.7	10361.0
-32.5°	2273.9	2791.8	3340.3	3934.0	4562.2	5184.7	5879.3	6729.8	7651.6	8546.8	9295.6
-35°	2141.0	2622.4	3129.9	3653.9	4184.7	4786.6	5478.4	6207.8	6987.9	7797.2	8650.6
-37.5°	2029.6	2446.0	2913.5	3394.4	3884.5	4445.2	5064.1	5733.9	6425.4	7149.2	7984.5
-40°	1909.8	2263.1	2707.8	3153.4	3604.4	4108.9	4677.7	5271.8	5891.6	6577.1	7300.0
-42.5°	1785.0	2121.5	2502.3	2907.5	3330.6	3782.5	4277.5	4829.8	5399.4	6001.5	6647.3
-45°	1677.5	1972.6	2299.5	2677.0	3053.4	3453.1	3900.3	4381.5	4916.1	5452.1	6014.2
-47.5°	1564.5	1824.5	2128.1	2442.9	2788.6	3142.9	3517.2	3970.6	4432.3	4923.7	5410.7
-50°	1451.7	1695.1	1949.9	2240.0	2536.5	2847.0	3175.4	3580.6	4004.3	4417.5	4844.4
-52.5°	1350.7	1560.4	1799.6	2045.9	2310.1	2579.5	2884.0	3236.7	3609.9	3977.8	4357.9
-55°	1246.0	1442.5	1653.0	1874.9	2101.7	2341.2	2621.5	2935.7	3242.6	3585.0	3925.2
-57.5°	1146.9	1328.3	1519.7	1715.5	1919.1	2126.2	2396.0	2657.2	2942.3	3226.4	3521.6
-60°	1050.1	1217.9	1393.6	1571.1	1747.7	1955.3	2184.3	2427.4	2670.1	2911.7	3187.7
-62.5°	952.1	1112.6	1272.5	1433.6	1597.6	1790.2	2008.4	2222.6	2429.4	2659.6	2893.8
-65°	858.5	1004.9	1156.0	1304.7	1450.3	1637.0	1833.7	2036.3	2237.4	2430.6	2629.6
-67.5°	761.3	894.8	1034.1	1177.2	1317.3	1479.1	1654.8	1839.4	2027.0	2204.7	2387.0
-70°	659.3	779.6	905.2	1035.1	1170.9	1315.1	1465.4	1627.0	1793.1	1950.2	2108.8
-72.5°	553.1	657.3	768.4	886.0	1004.0	1127.8	1259.4	1398.2	1534.2	1665.8	1802.9
-75°	449.7	531.4	624.4	723.4	823.9	928.4	1038.4	1151.6	1260.8	1367.8	1478.0
-77.5°	348.2	412.9	483.4	559.2	634.5	715.7	801.7	892.0	976.9	1060.2	1144.7
-80°	251.1	291.8	343.3	399.5	456.2	514.1	573.5	634.1	688.3	745.4	806.8
-82.5°	165.4	194.6	225.2	257.3	289.5	322.7	358.9	401.7	437.5	472.9	508.6
-85°	87.3	96.4	114.9	134.3	153.2	172.8	193.1	214.0	232.7	250.4	267.2
-87.5°	51.3	56.1	61.1	66.2	70.4	74.5	78.6	82.7	88.4	94.2	99.9
-90°	8.4	8.4	8.4	8.4	7.9	7.4	6.8	6.3	6.3	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	23.1	24.2	25.2	26.3	27.3	27.8	28.4	28.9	29.4	29.9	30.5
87.5°	11.5	11.2	10.9	10.5	10.1	12.5	15.1	17.7	20.4	18.6	16.6
85°	23.3	23.3	23.1	22.8	22.5	25.9	29.5	33.1	36.6	33.5	30.1
82.5°	43.0	42.2	40.7	38.6	36.0	35.7	35.0	33.8	32.2	30.8	29.5
80°	67.6	64.5	60.5	55.6	50.0	47.0	44.1	40.8	37.3	36.2	35.4
77.5°	91.6	85.5	78.3	70.5	62.1	56.9	52.2	47.3	42.0	40.6	39.7
75°	108.2	100.5	89.9	78.6	66.8	58.9	53.0	47.1	41.4	39.3	38.1
72.5°	115.9	104.6	91.5	76.4	61.9	52.4	46.6	41.2	36.3	34.2	33.2
70°	110.0	94.0	79.1	64.7	51.2	42.3	38.0	34.4	31.4	29.9	29.0
67.5°	93.8	77.5	63.3	50.7	40.3	33.4	31.1	29.0	27.1	26.1	25.7
65°	72.7	60.1	49.1	40.2	33.1	28.4	26.6	24.8	23.1	22.1	21.7
62.5°	55.1	45.3	38.2	32.6	28.2	25.0	23.6	22.5	21.5	20.9	20.4
60°	44.1	35.9	31.5	28.5	25.8	23.5	23.1	22.9	22.6	22.2	21.4
57.5°	37.8	32.7	29.4	28.7	27.5	25.9	25.5	25.4	24.5	23.0	22.3
55°	36.1	34.8	33.4	34.0	34.0	32.7	30.8	29.5	28.3	27.1	27.3
52.5°	40.2	42.9	44.3	44.2	42.1	38.9	35.3	35.8	36.5	37.1	37.7
50°	53.6	57.0	56.9	52.3	52.0	50.2	45.9	47.9	50.6	51.2	51.6
47.5°	74.5	77.7	79.9	71.7	73.1	77.6	72.9	71.5	80.4	84.3	86.3
45°	108.6	121.9	125.7	128.2	124.6	136.2	136.3	130.9	148.1	157.5	160.7
42.5°	180.9	203.3	221.1	226.3	222.0	236.5	247.5	246.7	268.4	283.8	287.9
40°	302.7	323.9	349.3	358.8	362.9	376.1	404.0	421.9	443.8	467.9	480.1
37.5°	459.1	492.2	497.4	516.9	541.3	553.7	596.0	632.2	661.9	707.0	736.0
35°	688.1	775.6	681.3	726.0	788.0	795.1	833.6	917.2	938.2	1017.1	1060.8
32.5°	1110.5	1273.6	1252.1	1100.5	1233.8	1385.0	1216.6	1516.3	1489.4	1573.7	1680.9
30°	1752.7	2226.7	2279.3	2057.6	2427.5	2628.3	2596.1	2894.6	3085.9	3062.2	3433.5
27.5°	3126.8	3506.9	3679.5	3997.9	4197.8	4493.7	5014.9	5318.6	5864.7	6151.2	6495.0
25°	4614.1	5063.5	5618.1	6165.5	6581.4	7237.5	7969.0	8544.0	9317.0	9802.0	10155.4
22.5°	6221.7	7015.5	7787.7	8550.3	9389.8	10293.4	11156.3	12152.9	13093.6	13788.2	14313.4
20°	7984.2	9082.7	10175.0	11221.9	12269.1	13477.5	14546.0	15743.6	16899.2	17903.8	18595.7
17.5°	10162.9	11311.6	12706.4	14107.2	15464.0	16960.3	18538.5	19881.4	21501.9	22840.3	23846.9
15°	12535.9	13974.4	15496.7	17248.8	19081.1	20932.5	22846.8	24821.0	26665.7	28376.9	29658.6
12.5°	14986.3	16776.8	18631.7	20571.7	22696.3	25000.4	27405.8	29755.6	32036.6	33917.4	35675.8
10°	17340.1	19577.8	21730.1	24003.4	26450.0	29027.6	31844.4	34643.4	37294.4	39611.3	41503.5
7.5°	19402.5	21831.9	24315.0	27102.5	30006.6	32895.0	35946.9	39086.6	42103.9	44774.4	46986.7
5°	21341.2	23875.7	26391.3	29390.3	32594.6	35909.0	39364.4	42891.4	46149.0	49168.1	51618.2
2.5°	22852.8	25518.7	28105.3	31393.6	34774.8	38150.4	41673.8	45529.9	49163.7	52445.7	54849.7
0°	23775.7	26407.5	28906.9	32435.4	35913.6	39456.8	43342.4	47446.5	51273.3	54417.5	56759.3
-2.5°	23456.5	26024.2	28735.7	32201.8	35878.8	39422.6	43353.4	47495.1	51297.1	54492.1	56779.0
-5°	23018.3	25535.5	28279.8	31747.9	35336.6	38876.3	42751.7	46824.7	50558.7	53701.9	55867.7
-7.5°	22479.4	24909.1	27585.0	30948.5	34517.2	38061.1	41833.5	45687.4	49258.4	52382.8	54420.9
-10°	21842.3	24145.7	26793.0	30028.1	33569.5	36985.7	40570.2	44387.1	47971.0	50812.4	52999.9
-12.5°	21181.4	23425.4	25883.9	28944.7	32335.0	35511.1	38933.4	42609.0	45766.4	48672.2	50594.5
-15°	20424.6	22576.6	24881.8	27703.1	30775.9	33748.7	36721.4	39962.8	42843.8	45427.6	47470.2
-17.5°	19548.7	21587.6	23610.8	26147.6	29089.5	31744.8	34347.6	37170.1	39731.3	42103.5	43872.0
-20°	18338.8	20016.6	21960.7	24387.5	26936.0	29175.7	31550.6	33921.5	36201.7	38209.7	39707.2



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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°	16605.8	18238.4	20039.3	22024.2	24156.5	26213.7	28246.5	30186.5	32041.6	33712.7	34918.0
-25°	14761.1	16252.3	17878.0	19527.9	21230.5	23073.3	24856.3	26457.6	27983.1	29274.3	30267.1
-27.5°	12928.3	14338.5	15759.8	17091.3	18453.1	19992.4	21552.9	22893.6	24185.7	25197.2	25971.1
-30°	11291.1	12798.7	14050.3	14956.2	16276.0	17626.4	18638.1	19858.0	20875.8	21521.2	22353.1
-32.5°	10389.0	11526.1	12660.8	13592.3	14641.0	15825.8	16783.9	17780.4	18639.5	19333.1	19856.2
-35°	9566.1	10565.3	11524.0	12482.3	13418.6	14370.5	15253.5	16094.7	16856.6	17470.1	17954.7
-37.5°	8826.8	9691.7	10559.6	11386.2	12227.3	13022.9	13781.0	14506.5	15147.2	15700.0	16156.8
-40°	8080.4	8853.0	9616.3	10363.8	11099.3	11748.7	12400.6	13000.1	13540.7	14029.9	14429.4
-42.5°	7331.0	8020.3	8688.9	9367.0	10019.7	10583.3	11121.5	11617.1	12080.7	12497.6	12842.2
-45°	6594.1	7202.9	7792.0	8394.1	8944.4	9458.2	9927.3	10344.5	10742.9	11094.3	11384.0
-47.5°	5930.1	6425.8	6951.5	7465.5	7943.2	8405.8	8816.1	9183.4	9532.9	9830.4	10066.8
-50°	5312.8	5765.5	6208.7	6625.1	7071.4	7477.1	7824.3	8162.8	8480.5	8746.1	8945.5
-52.5°	4732.5	5150.2	5548.7	5937.2	6324.5	6685.4	7018.5	7328.0	7605.6	7849.0	8021.7
-55°	4273.1	4614.5	4937.3	5311.0	5666.5	5987.4	6285.7	6586.1	6853.7	7090.1	7234.5
-57.5°	3838.2	4146.2	4453.5	4776.6	5089.3	5390.8	5673.9	5937.2	6183.7	6404.9	6529.3
-60°	3450.1	3698.7	3990.9	4289.0	4572.4	4841.5	5107.3	5354.3	5583.4	5775.9	5885.8
-62.5°	3125.0	3361.1	3608.3	3857.3	4102.7	4353.0	4594.3	4823.7	5041.2	5216.5	5323.3
-65°	2838.3	3052.1	3268.2	3488.7	3712.2	3932.6	4138.1	4339.6	4536.2	4686.5	4782.8
-67.5°	2568.4	2752.4	2934.0	3121.6	3314.2	3504.4	3685.5	3864.2	4039.2	4160.4	4235.8
-70°	2272.6	2435.0	2591.4	2749.4	2906.6	3061.2	3210.9	3360.3	3507.9	3605.2	3669.7
-72.5°	1944.7	2080.4	2207.3	2333.6	2462.1	2589.2	2712.3	2832.0	2947.6	3023.0	3078.7
-75°	1590.8	1694.3	1792.9	1892.4	1992.0	2095.3	2196.9	2294.4	2387.3	2443.7	2487.0
-77.5°	1230.4	1303.6	1373.1	1443.2	1513.1	1593.1	1674.1	1752.7	1828.3	1868.2	1898.0
-80°	868.8	920.2	967.7	1013.1	1056.2	1107.2	1158.5	1208.2	1256.0	1278.8	1295.6
-82.5°	544.3	574.4	602.6	629.4	654.5	681.9	707.8	731.9	754.2	765.2	773.4
-85°	283.2	296.3	308.4	319.5	329.8	342.4	354.3	365.4	375.6	379.0	381.1
-87.5°	105.6	109.6	113.4	117.0	120.5	125.3	130.0	134.5	138.9	140.1	141.1
-90°	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7	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°	31.0	31.5	31.5	31.5	31.5	31.5	31.0	30.5	29.9	29.4	28.9
87.5°	14.6	12.6	11.5	10.5	11.5	12.6	14.6	16.6	18.6	20.4	17.7
85°	26.6	23.0	22.0	21.0	22.0	23.0	26.6	30.1	33.5	36.6	33.1
82.5°	28.3	27.3	27.3	27.3	27.3	27.3	28.3	29.5	30.8	32.2	33.8
80°	34.5	33.5	33.6	33.6	33.6	33.5	34.5	35.4	36.2	37.3	40.8
77.5°	38.7	37.8	37.8	37.8	37.8	37.8	38.7	39.7	40.6	42.0	47.3
75°	37.0	35.8	35.7	35.7	35.7	35.8	37.0	38.1	39.3	41.4	47.1
72.5°	32.4	31.7	31.5	31.5	31.5	31.7	32.4	33.2	34.2	36.3	41.2
70°	28.2	27.5	27.3	27.3	27.3	27.5	28.2	29.0	29.9	31.4	34.4
67.5°	25.4	25.3	25.2	25.2	25.2	25.3	25.4	25.7	26.1	27.1	29.0
65°	21.4	21.2	21.0	21.0	21.0	21.2	21.4	21.7	22.1	23.1	24.8
62.5°	19.8	19.1	18.0	16.8	18.0	19.1	19.8	20.4	20.9	21.5	22.5
60°	20.3	19.2	18.9	18.9	18.9	19.2	20.3	21.4	22.2	22.6	22.9
57.5°	21.7	21.1	21.0	21.0	21.0	21.1	21.7	22.3	23.0	24.5	25.4
55°	27.3	27.1	27.2	27.3	27.2	27.1	27.3	27.3	27.1	28.3	29.5
52.5°	37.9	37.6	37.6	37.8	37.6	37.6	37.9	37.7	37.1	36.5	35.8
50°	52.1	52.1	51.5	50.4	51.5	52.1	52.1	51.6	51.2	50.6	47.9
47.5°	87.5	86.2	84.8	84.0	84.8	86.2	87.5	86.3	84.3	80.4	71.5
45°	164.5	163.2	160.9	159.6	160.9	163.2	164.5	160.7	157.5	148.1	130.9
42.5°	294.6	292.2	286.7	283.5	286.7	292.2	294.6	287.9	283.8	268.4	246.7
40°	493.9	496.5	492.2	489.4	492.2	496.5	493.9	480.1	467.9	443.8	421.9
37.5°	759.0	770.1	768.6	764.5	768.6	770.1	759.0	736.0	707.0	661.9	632.2
35°	1080.9	1093.2	1086.9	1085.9	1086.9	1093.2	1080.9	1060.8	1017.1	938.2	917.2
32.5°	1600.4	1582.3	1514.5	1533.2	1514.5	1582.3	1600.4	1680.9	1573.7	1489.4	1516.3
30°	3458.5	3525.0	3335.5	3184.1	3335.5	3525.0	3458.5	3433.5	3062.2	3085.9	2894.6
27.5°	6528.9	6672.4	6645.6	6800.9	6645.6	6672.4	6528.9	6495.0	6151.2	5864.7	5318.6
25°	10294.1	10389.2	10395.3	10115.2	10395.3	10389.2	10294.1	10155.4	9802.0	9317.0	8544.0
22.5°	14507.9	14599.7	14767.0	14767.4	14767.0	14599.7	14507.9	14313.4	13788.2	13093.6	12152.9
20°	19076.7	19093.5	19413.3	19436.5	19413.3	19093.5	19076.7	18595.7	17903.8	16899.2	15743.6
17.5°	24555.5	24822.0	25254.3	25002.3	25254.3	24822.0	24555.5	23846.9	22840.3	21501.9	19881.4
15°	30871.5	31466.7	31929.0	31721.3	31929.0	31466.7	30871.5	29658.6	28376.9	26665.7	24821.0
12.5°	37074.1	38012.4	38459.2	38349.9	38459.2	38012.4	37074.1	35675.8	33917.4	32036.6	29755.6
10°	42978.1	44298.9	44773.3	44940.8	44773.3	44298.9	42978.1	41503.5	39611.3	37294.4	34643.4
7.5°	48638.1	49848.4	50567.7	50267.2	50567.7	49848.4	48638.1	46986.7	44774.4	42103.9	39086.6
5°	53180.7	54202.9	54784.0	54577.1	54784.0	54202.9	53180.7	51618.2	49168.1	46149.0	42891.4
2.5°	56397.8	57352.4	57856.1	57602.7	57856.1	57352.4	56397.8	54849.7	52445.7	49163.7	45529.9
0°	58235.8	59208.3	59778.5	59819.5	59778.5	59208.3	58235.8	56759.3	54417.5	51273.3	47446.5
-2.5°	58164.1	58851.0	59251.8	59047.7	59251.8	58851.0	58164.1	56779.0	54492.1	51297.1	47495.1
-5°	56946.4	57526.6	57734.7	57645.7	57734.7	57526.6	56946.4	55867.7	53701.9	50558.7	46824.7
-7.5°	55444.2	55872.0	56015.0	55908.7	56015.0	55872.0	55444.2	54420.9	52382.8	49258.4	45687.4
-10°	53990.8	54418.3	54490.8	54430.1	54490.8	54418.3	53990.8	52999.9	50812.4	47971.0	44387.1
-12.5°	51874.9	52338.2	52353.2	52212.1	52353.2	52338.2	51874.9	50594.5	48672.2	45766.4	42609.0
-15°	48574.6	48953.5	49014.6	48935.6	49014.6	48953.5	48574.6	47470.2	45427.6	42843.8	39962.8
-17.5°	44906.4	45157.3	45429.2	45732.6	45429.2	45157.3	44906.4	43872.0	42103.5	39731.3	37170.1
-20°	40502.2	40802.2	41123.0	41462.6	41123.0	40802.2	40502.2	39707.2	38209.7	36201.7	33921.5



REPORT NUMBER: P701624 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	35552.4	35889.5	36218.5	36390.3	36218.5	35889.5	35552.4	34918.0	33712.7	32041.6	30186.5
-25°	30764.3	31174.9	31434.6	31591.1	31434.6	31174.9	30764.3	30267.1	29274.3	27983.1	26457.6
-27.5°	26374.8	26861.6	27101.3	27203.5	27101.3	26861.6	26374.8	25971.1	25197.2	24185.7	22893.6
-30°	22677.8	22976.7	23018.1	23172.9	23018.1	22976.7	22677.8	22353.1	21521.2	20875.8	19858.0
-32.5°	20240.5	20572.6	20774.4	20944.5	20774.4	20572.6	20240.5	19856.2	19333.1	18639.5	17780.4
-35°	18331.0	18631.8	18829.7	18911.4	18829.7	18631.8	18331.0	17954.7	17470.1	16856.6	16094.7
-37.5°	16500.7	16728.0	16866.3	16977.0	16866.3	16728.0	16500.7	16156.8	15700.0	15147.2	14506.5
-40°	14736.0	14961.4	15098.3	15135.0	15098.3	14961.4	14736.0	14429.4	14029.9	13540.7	13000.1
-42.5°	13088.9	13262.5	13381.6	13463.1	13381.6	13262.5	13088.9	12842.2	12497.6	12080.7	11617.1
-45°	11597.5	11750.4	11856.5	11921.5	11856.5	11750.4	11597.5	11384.0	11094.3	10742.9	10344.5
-47.5°	10240.8	10363.9	10448.4	10497.5	10448.4	10363.9	10240.8	10066.8	9830.4	9532.9	9183.4
-50°	9094.2	9204.2	9282.3	9329.7	9282.3	9204.2	9094.2	8945.5	8746.1	8480.5	8162.8
-52.5°	8156.7	8263.6	8342.1	8392.9	8342.1	8263.6	8156.7	8021.7	7849.0	7605.6	7328.0
-55°	7354.3	7452.5	7523.6	7569.6	7523.6	7452.5	7354.3	7234.5	7090.1	6853.7	6586.1
-57.5°	6634.8	6721.6	6781.8	6819.8	6781.8	6721.6	6634.8	6529.3	6404.9	6183.7	5937.2
-60°	5979.6	6057.8	6113.2	6151.9	6113.2	6057.8	5979.6	5885.8	5775.9	5583.4	5354.3
-62.5°	5417.8	5500.0	5544.0	5568.0	5544.0	5500.0	5417.8	5323.3	5216.5	5041.2	4823.7
-65°	4871.1	4950.4	4993.2	5017.7	4993.2	4950.4	4871.1	4782.8	4686.5	4536.2	4339.6
-67.5°	4302.3	4359.4	4402.9	4435.9	4402.9	4359.4	4302.3	4235.8	4160.4	4039.2	3864.2
-70°	3725.1	3771.3	3772.8	3759.6	3772.8	3771.3	3725.1	3669.7	3605.2	3507.9	3360.3
-72.5°	3127.0	3167.5	3178.1	3177.8	3178.1	3167.5	3127.0	3078.7	3023.0	2947.6	2832.0
-75°	2524.4	2555.5	2576.3	2589.7	2576.3	2555.5	2524.4	2487.0	2443.7	2387.3	2294.4
-77.5°	1922.3	1941.0	1958.4	1970.1	1958.4	1941.0	1922.3	1898.0	1868.2	1828.3	1752.7
-80°	1308.4	1317.1	1319.1	1316.9	1319.1	1317.1	1308.4	1295.6	1278.8	1256.0	1208.2
-82.5°	779.3	783.0	779.2	772.9	779.2	783.0	779.3	773.4	765.2	754.2	731.9
-85°	382.3	382.6	381.9	380.2	381.9	382.6	382.3	381.1	379.0	375.6	365.4
-87.5°	141.8	142.4	144.8	147.0	144.8	142.4	141.8	141.1	140.1	138.9	134.5
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28.4	27.8	27.3	26.3	25.2	24.2	23.1	22.1	21.0	20.0	18.9
87.5°	15.1	12.5	10.1	10.5	10.9	11.2	11.5	10.9	10.3	9.8	9.3
85°	29.5	25.9	22.5	22.8	23.1	23.3	23.3	22.9	22.2	21.2	20.1
82.5°	35.0	35.7	36.0	38.6	40.7	42.2	43.0	43.2	42.6	41.2	38.8
80°	44.1	47.0	50.0	55.6	60.5	64.5	67.6	69.7	71.0	71.4	69.4
77.5°	52.2	56.9	62.1	70.5	78.3	85.5	91.6	95.4	97.5	98.7	96.1
75°	53.0	58.9	66.8	78.6	89.9	100.5	108.2	113.2	117.5	121.1	118.4
72.5°	46.6	52.4	61.9	76.4	91.5	104.6	115.9	125.5	133.3	139.2	134.2
70°	38.0	42.3	51.2	64.7	79.1	94.0	110.0	126.7	143.9	154.9	146.1
67.5°	31.1	33.4	40.3	50.7	63.3	77.5	93.8	112.8	131.1	148.9	145.6
65°	26.6	28.4	33.1	40.2	49.1	60.1	72.7	88.4	107.9	128.0	129.8
62.5°	23.6	25.0	28.2	32.6	38.2	45.3	55.1	68.3	83.4	95.9	102.4
60°	23.1	23.5	25.8	28.5	31.5	35.9	44.1	53.2	63.3	74.0	79.6
57.5°	25.5	25.9	27.5	28.7	29.4	32.7	37.8	43.7	52.7	59.5	63.6
55°	30.8	32.7	34.0	34.0	33.4	34.8	36.1	39.3	46.0	52.3	58.1
52.5°	35.3	38.9	42.1	44.2	44.3	42.9	40.2	41.2	45.0	51.3	56.6
50°	45.9	50.2	52.0	52.3	56.9	57.0	53.6	49.4	55.5	58.5	58.7
47.5°	72.9	77.6	73.1	71.7	79.9	77.7	74.5	74.1	81.4	75.5	73.0
45°	136.3	136.2	124.6	128.2	125.7	121.9	108.6	120.0	122.0	115.3	95.2
42.5°	247.5	236.5	222.0	226.3	221.1	203.3	180.9	186.7	183.0	168.4	156.4
40°	404.0	376.1	362.9	358.8	349.3	323.9	302.7	272.4	262.4	240.2	236.5
37.5°	596.0	553.7	541.3	516.9	497.4	492.2	459.1	403.7	354.9	376.0	349.1
35°	833.6	795.1	788.0	726.0	681.3	775.6	688.1	578.1	552.9	604.7	516.2
32.5°	1216.6	1385.0	1233.8	1100.5	1252.1	1273.6	1110.5	848.6	977.8	975.2	814.6
30°	2596.1	2628.3	2427.5	2057.6	2279.3	2226.7	1752.7	1689.9	1653.0	1479.3	1209.5
27.5°	5014.9	4493.7	4197.8	3997.9	3679.5	3506.9	3126.8	2734.2	2514.5	2196.5	1772.0
25°	7969.0	7237.5	6581.4	6165.5	5618.1	5063.5	4614.1	4059.7	3584.0	3074.4	2478.9
22.5°	11156.3	10293.4	9389.8	8550.3	7787.7	7015.5	6221.7	5430.6	4756.4	4093.8	3336.0
20°	14546.0	13477.5	12269.1	11221.9	10175.0	9082.7	7984.2	7029.3	6154.6	5217.8	4258.6
17.5°	18538.5	16960.3	15464.0	14107.2	12706.4	11311.6	10162.9	8962.0	7688.0	6401.5	5216.7
15°	22846.8	20932.5	19081.1	17248.8	15496.7	13974.4	12535.9	11008.1	9364.6	7714.5	6305.7
12.5°	27405.8	25000.4	22696.3	20571.7	18631.7	16776.8	14986.3	13149.7	11156.8	9199.9	7582.5
10°	31844.4	29027.6	26450.0	24003.4	21730.1	19577.8	17340.1	15117.8	12863.5	10664.6	8815.2
7.5°	35946.9	32895.0	30006.6	27102.5	24315.0	21831.9	19402.5	16961.9	14496.2	12051.7	9995.4
5°	39364.4	35909.0	32594.6	29390.3	26391.3	23875.7	21341.2	18707.5	16033.7	13350.4	11111.9
2.5°	41673.8	38150.4	34774.8	31393.6	28105.3	25518.7	22852.8	20033.4	17107.3	14207.6	11837.0
0°	43342.4	39456.8	35913.6	32435.4	28906.9	26407.5	23775.7	20955.0	17875.9	14885.0	12482.3
-2.5°	43353.4	39422.6	35878.8	32201.8	28735.7	26024.2	23456.5	20725.2	17878.7	15006.0	12629.5
-5°	42751.7	38876.3	35336.6	31747.9	28279.8	25535.5	23018.3	20407.9	17750.1	15019.5	12688.8
-7.5°	41833.5	38061.1	34517.2	30948.5	27585.0	24909.1	22479.4	20033.1	17516.4	14940.2	12667.7
-10°	40570.2	36985.7	33569.5	30028.1	26793.0	24145.7	21842.3	19568.6	17184.8	14754.3	12566.3
-12.5°	38933.4	35511.1	32335.0	28944.7	25883.9	23425.4	21181.4	19019.9	16774.0	14465.5	12388.3
-15°	36721.4	33748.7	30775.9	27703.1	24881.8	22576.6	20424.6	18317.4	16101.4	13969.9	12138.1
-17.5°	34347.6	31744.8	29089.5	26147.6	23610.8	21587.6	19548.7	17438.4	15249.3	13158.8	11478.1
-20°	31550.6	29175.7	26936.0	24387.5	21960.7	20016.6	18338.8	16417.4	14225.9	12279.7	10686.2



REPORT NUMBER: P701624 (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°	28246.5	26213.7	24156.5	22024.2	20039.3	18238.4	16605.8	14947.7	13027.2	11266.2	9818.9
-25°	24856.3	23073.3	21230.5	19527.9	17878.0	16252.3	14761.1	13237.7	11718.3	10212.0	8895.5
-27.5°	21552.9	19992.4	18453.1	17091.3	15759.8	14338.5	12928.3	11626.5	10453.9	9247.5	8007.8
-30°	18638.1	17626.4	16276.0	14956.2	14050.3	12798.7	11291.1	10361.0	9427.7	8386.6	7283.6
-32.5°	16783.9	15825.8	14641.0	13592.3	12660.8	11526.1	10389.0	9295.6	8546.8	7651.6	6729.8
-35°	15253.5	14370.5	13418.6	12482.3	11524.0	10565.3	9566.1	8650.6	7797.2	6987.9	6207.8
-37.5°	13781.0	13022.9	12227.3	11386.2	10559.6	9691.7	8826.8	7984.5	7149.2	6425.4	5733.9
-40°	12400.6	11748.7	11099.3	10363.8	9616.3	8853.0	8080.4	7300.0	6577.1	5891.6	5271.8
-42.5°	11121.5	10583.3	10019.7	9367.0	8688.9	8020.3	7331.0	6647.3	6001.5	5399.4	4829.8
-45°	9927.3	9458.2	8944.4	8394.1	7792.0	7202.9	6594.1	6014.2	5452.1	4916.1	4381.5
-47.5°	8816.1	8405.8	7943.2	7465.5	6951.5	6425.8	5930.1	5410.7	4923.7	4432.3	3970.6
-50°	7824.3	7477.1	7071.4	6625.1	6208.7	5765.5	5312.8	4844.4	4417.5	4004.3	3580.6
-52.5°	7018.5	6685.4	6324.5	5937.2	5548.7	5150.2	4732.5	4357.9	3977.8	3609.9	3236.7
-55°	6285.7	5987.4	5666.5	5311.0	4937.3	4614.5	4273.1	3925.2	3585.0	3242.6	2935.7
-57.5°	5673.9	5390.8	5089.3	4776.6	4453.5	4146.2	3838.2	3521.6	3226.4	2942.3	2657.2
-60°	5107.3	4841.5	4572.4	4289.0	3990.9	3698.7	3450.1	3187.7	2911.7	2670.1	2427.4
-62.5°	4594.3	4353.0	4102.7	3857.3	3608.3	3361.1	3125.0	2893.8	2659.6	2429.4	2222.6
-65°	4138.1	3932.6	3712.2	3488.7	3268.2	3052.1	2838.3	2629.6	2430.6	2237.4	2036.3
-67.5°	3685.5	3504.4	3314.2	3121.6	2934.0	2752.4	2568.4	2387.0	2204.7	2027.0	1839.4
-70°	3210.9	3061.2	2906.6	2749.4	2591.4	2435.0	2272.6	2108.8	1950.2	1793.1	1627.0
-72.5°	2712.3	2589.2	2462.1	2333.6	2207.3	2080.4	1944.7	1802.9	1665.8	1534.2	1398.2
-75°	2196.9	2095.3	1992.0	1892.4	1792.9	1694.3	1590.8	1478.0	1367.8	1260.8	1151.6
-77.5°	1674.1	1593.1	1513.1	1443.2	1373.1	1303.6	1230.4	1144.7	1060.2	976.9	892.0
-80°	1158.5	1107.2	1056.2	1013.1	967.7	920.2	868.8	806.8	745.4	688.3	634.1
-82.5°	707.8	681.9	654.5	629.4	602.6	574.4	544.3	508.6	472.9	437.5	401.7
-85°	354.3	342.4	329.8	319.5	308.4	296.3	283.2	267.2	250.4	232.7	214.0
-87.5°	130.0	125.3	120.5	117.0	113.4	109.6	105.6	99.9	94.2	88.4	82.7
-90°	5.3	5.8	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3



REPORT NUMBER: P701624 (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°	18.4	17.9	17.3	16.8	16.3	15.8	15.2	14.7	14.2	13.7	13.1
87.5°	11.1	12.8	14.3	15.6	14.9	14.2	13.5	12.8	12.8	12.7	12.5
85°	20.6	21.2	22.1	23.1	21.7	19.9	18.6	17.3	17.3	17.0	16.6
82.5°	35.1	33.3	32.3	31.7	31.1	29.9	28.1	25.5	22.8	21.4	20.7
80°	61.9	55.1	49.1	44.2	41.3	40.1	38.6	35.7	29.9	25.8	23.6
77.5°	86.0	76.6	68.2	59.9	52.8	47.8	45.1	43.5	36.6	30.0	25.6
75°	107.4	95.3	84.0	73.3	63.1	54.9	49.0	44.8	39.2	33.6	27.5
72.5°	121.5	109.3	97.6	85.2	71.9	61.0	52.4	46.0	40.3	34.5	28.8
70°	132.3	120.3	108.0	93.8	79.5	66.2	55.4	47.8	41.3	35.4	29.6
67.5°	139.7	125.2	112.9	100.8	86.1	71.6	58.0	49.7	42.9	36.2	30.2
65°	125.3	120.5	114.5	101.8	89.5	76.5	61.9	52.1	44.5	37.6	30.9
62.5°	106.7	107.3	103.7	99.7	89.8	77.7	65.8	55.9	46.3	38.9	31.8
60°	83.5	88.5	91.8	90.3	86.1	77.4	67.2	59.4	49.4	40.0	32.8
57.5°	69.1	71.0	76.2	80.1	78.8	73.9	68.0	61.2	52.2	42.2	33.9
55°	59.8	62.9	64.9	67.9	70.8	68.4	67.5	62.2	54.5	44.4	35.3
52.5°	59.6	60.6	61.0	60.1	61.5	63.6	64.6	63.3	55.6	46.5	37.7
50°	62.0	67.4	63.9	59.7	54.9	58.3	62.1	61.5	56.8	48.1	40.2
47.5°	73.2	80.8	76.3	64.1	56.9	54.0	58.9	59.7	57.9	49.1	42.7
45°	103.3	102.2	95.3	80.5	62.5	57.8	56.0	58.1	56.6	51.7	45.2
42.5°	144.4	138.6	123.8	99.9	87.4	65.8	53.9	56.4	55.4	54.7	47.8
40°	216.7	186.2	161.1	146.2	124.8	76.4	61.7	55.2	54.9	57.6	50.7
37.5°	301.3	255.7	212.0	212.9	176.0	118.9	72.1	54.6	58.2	60.2	53.7
35°	424.8	344.4	317.2	303.6	249.7	169.0	83.6	58.6	62.8	63.4	57.0
32.5°	566.7	516.9	498.6	418.4	336.0	226.3	118.3	75.3	68.8	67.4	60.5
30°	901.5	822.0	736.9	551.4	438.9	306.9	174.8	92.4	76.0	72.0	64.1
27.5°	1441.3	1183.6	1030.1	767.3	564.6	399.1	245.8	109.9	84.4	77.6	67.7
25°	2023.8	1662.1	1380.2	1040.3	702.1	541.6	325.6	129.4	97.3	84.2	71.6
22.5°	2681.7	2179.5	1768.0	1346.2	920.2	707.1	428.1	191.9	112.1	91.6	75.8
20°	3348.6	2704.3	2209.1	1723.5	1204.6	895.1	557.1	258.0	126.9	99.4	80.2
17.5°	4046.2	3371.5	2811.6	2154.6	1523.2	1093.2	696.8	326.6	141.4	107.6	84.8
15°	5113.1	4220.8	3458.5	2624.9	1839.0	1298.3	843.8	396.3	155.6	116.1	94.1
12.5°	6221.9	5085.7	4133.2	3122.6	2148.8	1507.3	994.9	465.6	169.4	133.8	109.5
10°	7302.6	5954.6	4822.6	3634.8	2449.3	1716.4	1146.1	557.0	211.0	159.1	125.2
7.5°	8345.9	6815.0	5512.4	4147.1	2761.1	1991.2	1420.2	698.9	258.1	184.7	141.0
5°	9284.0	7570.0	6163.9	4684.6	3186.2	2329.7	1712.9	840.2	305.9	210.5	156.6
2.5°	9914.8	8145.8	6762.8	5186.5	3591.9	2655.3	1997.2	976.3	353.2	235.8	172.0
0°	10474.3	8666.0	7313.4	5641.5	3973.8	2965.7	2264.2	1102.7	399.1	260.4	186.9
-2.5°	10615.8	8794.7	7483.3	5919.8	4295.3	3249.4	2505.3	1297.8	547.9	352.5	245.4
-5°	10683.1	8880.1	7610.3	6152.2	4586.6	3513.8	2717.4	1476.1	691.4	442.0	302.3
-7.5°	10697.4	8948.5	7677.9	6319.4	4845.8	3757.3	2898.0	1635.0	826.8	527.5	356.9
-10°	10648.4	8976.0	7659.4	6275.9	4862.0	3857.6	3018.6	1772.3	951.4	607.8	408.4
-12.5°	10534.5	8940.4	7595.5	6179.3	4804.2	3820.5	2940.6	1824.3	1058.6	681.4	455.9
-15°	10358.9	8837.4	7486.4	6027.7	4710.0	3758.9	2852.4	1832.3	1124.1	746.0	498.8
-17.5°	10033.6	8663.7	7332.6	5819.7	4578.2	3671.8	2758.2	1829.4	1180.1	801.6	539.6
-20°	9343.3	8222.0	7121.4	5554.4	4407.9	3558.3	2662.6	1816.7	1226.2	849.8	577.8



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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°	8610.5	7597.3	6558.8	5321.3	4228.2	3417.8	2569.2	1795.5	1262.0	889.8	610.4
-25°	7824.2	6962.7	5967.5	4940.2	4054.3	3272.3	2498.8	1767.1	1287.1	921.3	637.0
-27.5°	7088.0	6322.9	5411.6	4564.1	3808.0	3143.2	2444.3	1785.0	1307.9	943.8	657.3
-30°	6385.9	5722.2	4966.5	4217.4	3558.7	2972.4	2386.1	1792.2	1329.8	962.6	670.9
-32.5°	5879.3	5184.7	4562.2	3934.0	3340.3	2791.8	2273.9	1785.9	1339.4	975.8	681.5
-35°	5478.4	4786.6	4184.7	3653.9	3129.9	2622.4	2141.0	1766.1	1336.6	979.8	686.6
-37.5°	5064.1	4445.2	3884.5	3394.4	2913.5	2446.0	2029.6	1679.9	1321.2	974.5	685.1
-40°	4677.7	4108.9	3604.4	3153.4	2707.8	2263.1	1909.8	1593.5	1302.6	959.6	676.7
-42.5°	4277.5	3782.5	3330.6	2907.5	2502.3	2121.5	1785.0	1501.6	1239.9	940.5	661.5
-45°	3900.3	3453.1	3053.4	2677.0	2299.5	1972.6	1677.5	1406.8	1167.8	914.9	642.7
-47.5°	3517.2	3142.9	2788.6	2442.9	2128.1	1824.5	1564.5	1322.4	1092.2	879.8	621.9
-50°	3175.4	2847.0	2536.5	2240.0	1949.9	1695.1	1451.7	1234.1	1022.9	818.3	594.9
-52.5°	2884.0	2579.5	2310.1	2045.9	1799.6	1560.4	1350.7	1143.4	950.7	760.5	561.7
-55°	2621.5	2341.2	2101.7	1874.9	1653.0	1442.5	1246.0	1060.3	875.6	702.7	523.7
-57.5°	2396.0	2126.2	1919.1	1715.5	1519.7	1328.3	1146.9	974.4	805.1	642.2	489.1
-60°	2184.3	1955.3	1747.7	1571.1	1393.6	1217.9	1050.1	888.6	733.8	581.0	445.7
-62.5°	2008.4	1790.2	1597.6	1433.6	1272.5	1112.6	952.1	806.0	659.8	524.0	397.9
-65°	1833.7	1637.0	1450.3	1304.7	1156.0	1004.9	858.5	720.7	588.2	464.2	350.9
-67.5°	1654.8	1479.1	1317.3	1177.2	1034.1	894.8	761.3	634.6	514.7	401.5	309.6
-70°	1465.4	1315.1	1170.9	1035.1	905.2	779.6	659.3	546.0	438.2	347.7	266.2
-72.5°	1259.4	1127.8	1004.0	886.0	768.4	657.3	553.1	456.6	370.6	291.9	220.9
-75°	1038.4	928.4	823.9	723.4	624.4	531.4	449.7	373.6	300.7	234.1	179.9
-77.5°	801.7	715.7	634.5	559.2	483.4	412.9	348.2	288.1	231.9	183.5	139.8
-80°	573.5	514.1	456.2	399.5	343.3	291.8	251.1	211.7	170.5	132.7	98.7
-82.5°	358.9	322.7	289.5	257.3	225.2	194.6	165.4	137.4	107.8	80.9	65.2
-85°	193.1	172.8	153.2	134.3	114.9	96.4	87.3	78.4	67.4	57.3	48.0
-87.5°	78.6	74.5	70.4	66.2	61.1	56.1	51.3	46.6	40.9	35.5	30.6
-90°	6.8	7.4	7.9	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.6	12.1	11.6	11.0	10.5	9.5	8.4
87.5°	12.2	11.2	10.4	9.7	9.1	8.7	8.4
85°	16.0	14.1	12.4	11.0	9.9	9.0	8.4
82.5°	19.7	16.9	14.4	12.3	10.6	9.4	8.4
80°	23.0	19.6	16.3	13.5	11.3	9.7	8.4
77.5°	23.4	21.4	18.2	14.8	12.0	10.0	8.4
75°	23.8	21.5	19.7	16.0	12.7	10.3	8.4
72.5°	24.1	21.6	19.6	17.2	13.4	10.6	8.4
70°	24.4	21.6	19.5	18.1	14.1	10.9	8.4
67.5°	25.3	21.5	19.3	17.8	14.7	11.2	8.4
65°	26.1	21.9	19.1	17.6	15.3	11.5	8.4
62.5°	26.9	22.6	18.9	17.3	15.9	11.7	8.4
60°	27.7	23.3	18.6	17.0	16.5	12.0	8.4
57.5°	28.9	24.0	19.1	16.7	16.4	12.3	8.4
55°	30.3	24.7	19.7	16.4	16.3	12.5	8.4
52.5°	31.6	25.4	20.2	16.0	16.2	12.7	8.4
50°	33.0	26.6	20.8	15.6	16.1	13.0	8.4
47.5°	34.4	27.8	21.3	15.4	16.1	13.2	8.4
45°	36.6	28.9	21.7	15.8	16.1	13.4	8.4
42.5°	38.7	30.0	22.2	16.1	16.1	13.6	8.4
40°	40.8	31.1	22.8	16.8	16.1	13.7	8.4
37.5°	42.8	32.2	23.6	17.6	16.2	13.9	8.4
35°	44.8	33.6	24.4	18.5	16.3	14.1	8.4
32.5°	47.0	35.1	25.2	19.5	16.4	14.2	8.4
30°	49.7	36.6	25.9	20.4	16.5	14.3	8.4
27.5°	52.4	38.0	27.9	21.4	16.7	14.4	8.4
25°	55.1	39.3	30.2	22.4	16.8	14.5	8.4
22.5°	57.9	41.6	32.7	23.4	17.0	14.6	8.4
20°	60.5	46.9	35.1	24.4	17.2	14.7	8.4
17.5°	67.6	52.4	37.7	25.4	17.4	14.7	8.4
15°	77.4	58.1	40.3	26.4	17.6	14.7	8.4
12.5°	87.5	64.0	42.8	27.3	17.9	14.8	8.4
10°	97.6	69.9	45.4	28.2	18.1	14.8	8.4
7.5°	107.7	75.8	47.8	29.1	18.3	14.8	8.4
5°	117.6	81.5	50.2	30.0	18.5	14.8	8.4
2.5°	127.3	87.1	52.5	30.8	18.7	14.7	8.4
0°	136.5	92.4	54.6	31.5	18.9	14.7	8.4
-2.5°	171.9	112.2	65.2	36.2	20.3	15.0	8.4
-5°	206.3	131.4	75.6	40.7	21.6	15.2	8.4
-7.5°	239.3	149.8	85.5	45.0	22.9	15.5	8.4
-10°	270.3	167.1	94.8	49.1	24.2	15.7	8.4
-12.5°	298.9	183.2	103.5	53.0	25.3	15.9	8.4
-15°	324.7	197.8	111.4	56.5	26.5	16.1	8.4
-17.5°	347.3	210.7	118.5	59.6	27.5	16.2	8.4
-20°	369.4	221.9	124.6	62.3	28.4	16.4	8.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	392.9	230.9	129.6	64.5	29.2	16.5	8.4
-25°	412.3	242.8	133.4	66.2	29.9	16.6	8.4
-27.5°	427.5	254.2	136.1	67.4	30.5	16.6	8.4
-30°	438.2	262.7	137.9	68.1	31.0	16.7	8.4
-32.5°	444.2	268.3	142.1	68.1	31.3	16.7	8.4
-35°	449.0	270.8	144.6	67.5	31.5	16.6	8.4
-37.5°	450.8	271.5	145.5	66.3	31.6	16.6	8.4
-40°	447.9	271.6	144.5	64.5	31.5	16.5	8.4
-42.5°	440.3	268.9	143.3	62.7	31.3	16.4	8.4
-45°	428.0	263.4	141.9	61.6	30.9	16.2	8.4
-47.5°	411.1	255.1	139.0	59.7	30.4	16.0	8.4
-50°	395.5	243.9	134.6	59.1	29.7	15.8	8.4
-52.5°	376.8	230.1	128.8	58.4	28.9	15.6	8.4
-55°	354.3	218.3	121.6	57.1	27.9	15.3	8.4
-57.5°	328.1	205.3	113.0	55.1	26.8	15.0	8.4
-60°	299.3	190.2	103.3	52.5	25.6	14.7	8.4
-62.5°	275.1	173.2	96.4	49.2	24.7	14.4	8.4
-65°	248.2	154.3	88.4	45.4	23.7	14.0	8.4
-67.5°	218.9	136.4	79.4	41.0	22.6	13.6	8.4
-70°	187.3	119.6	69.4	36.1	21.4	13.2	8.4
-72.5°	159.3	101.5	58.6	33.0	20.2	12.8	8.4
-75°	130.3	82.3	47.2	30.2	18.9	12.4	8.4
-77.5°	99.8	62.0	40.6	27.2	17.6	11.9	8.4
-80°	68.2	49.0	35.1	24.2	16.2	11.4	8.4
-82.5°	52.9	40.0	29.4	21.0	14.8	10.9	8.4
-85°	39.6	30.8	23.5	17.7	13.4	10.5	8.4
-87.5°	26.2	21.5	17.6	14.4	12.0	10.0	8.4
-90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4

(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

