

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: P701743 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701743 (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-57-80-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

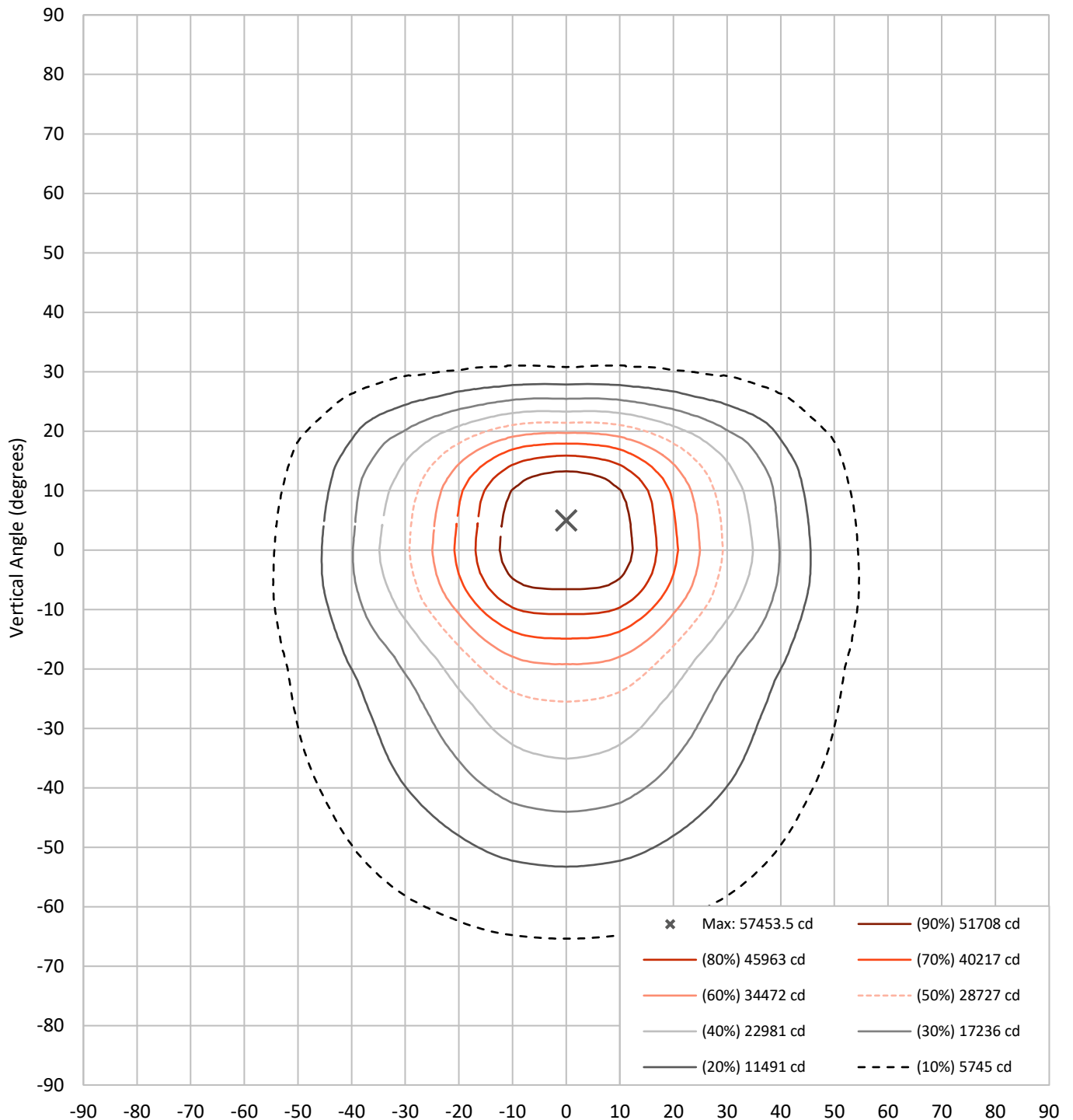
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	56294.8 lumens	Max Intensity:	57453.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	80.7 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:	27076.6 lumens	Field Lumens:	52186.9 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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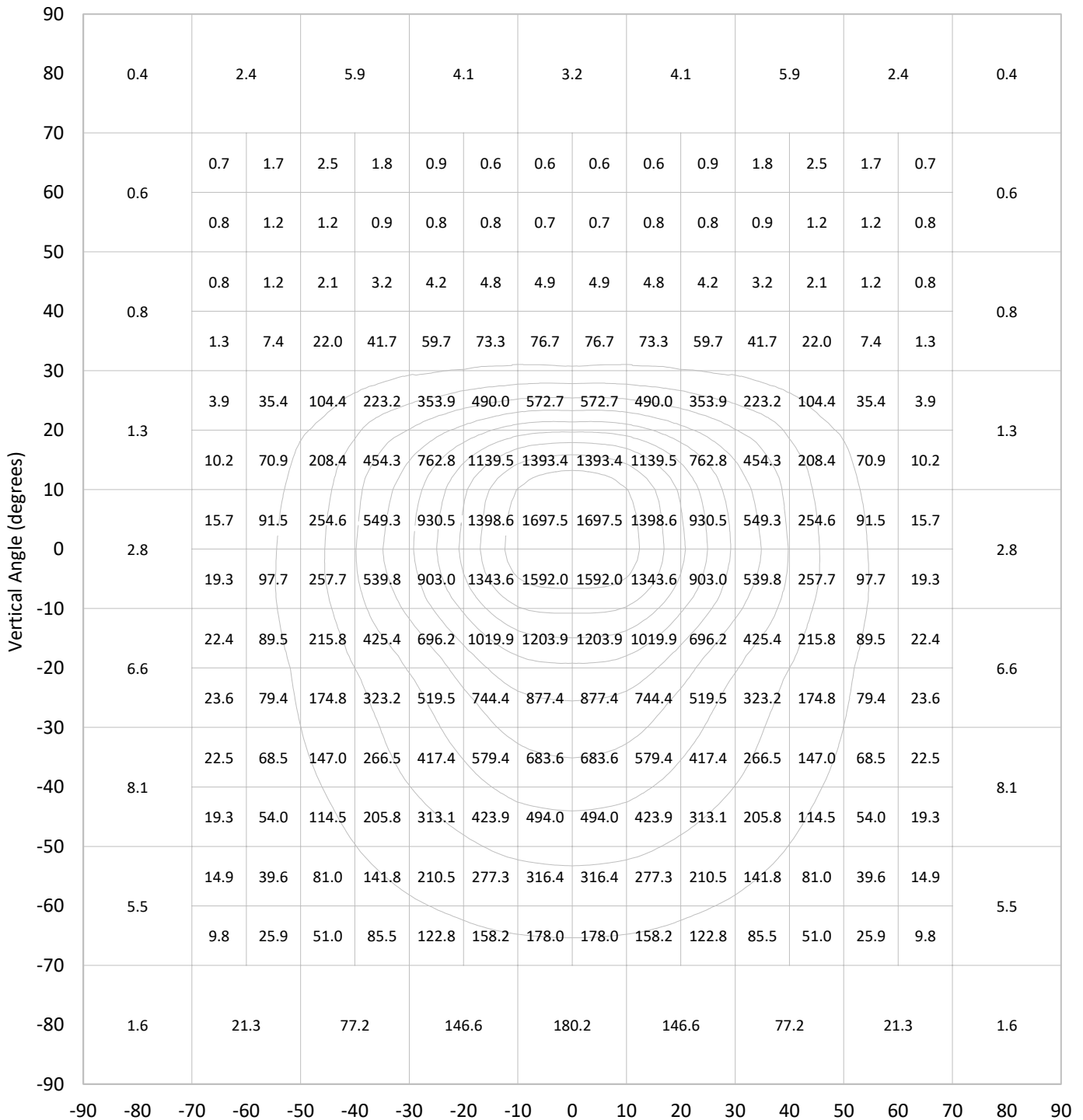
Iso-Candela Plot





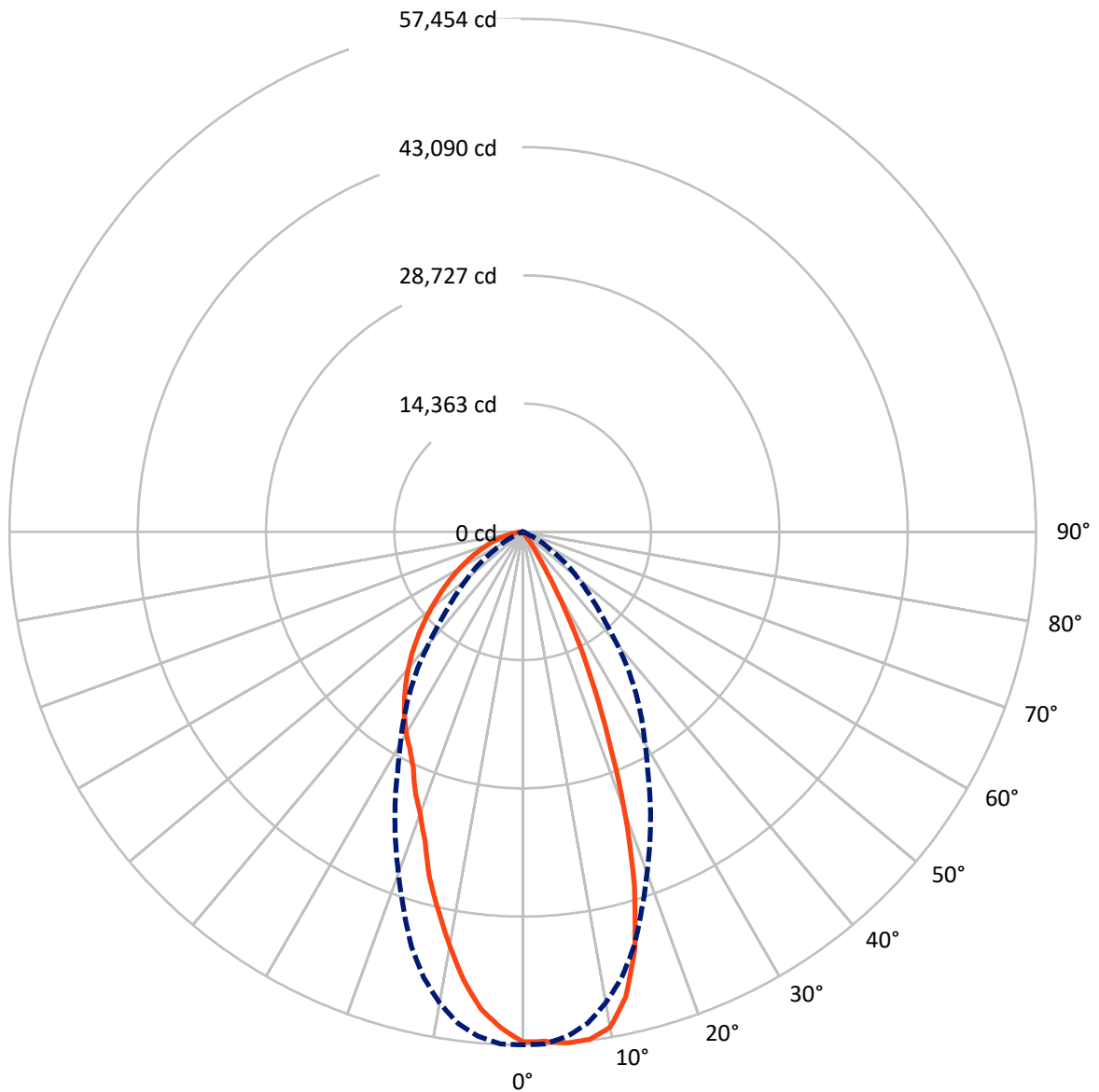
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Lumen Table



REPORT NUMBER: P701743 (CONVERTED FROM TYPE C PHOTOMETRY)
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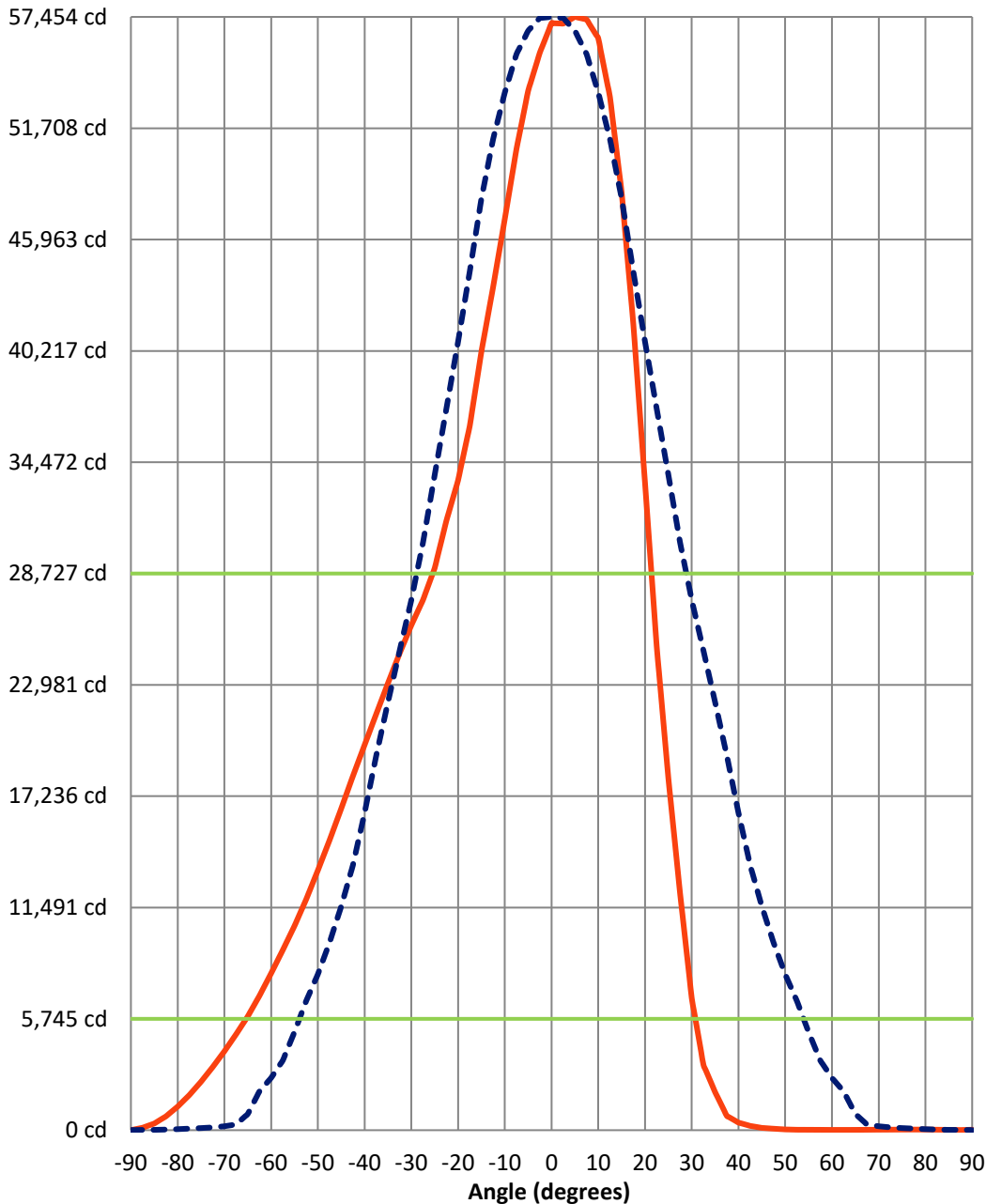
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 27076.6
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 52186.9
 Efficiency: 92.7%

Spill:
 Lumens: 4107.9
 Efficiency: 7.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	8.9	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8
87.5°	7.9	9.1	10.5	10.6	10.9	11.4	12.0	11.8	11.6	11.3	10.9
85°	7.9	9.4	11.2	11.9	12.9	14.3	16.0	16.3	16.3	16.2	15.9
82.5°	7.9	9.7	11.8	13.2	15.0	17.2	20.0	20.7	21.1	22.2	24.5
80°	7.9	10.0	12.5	14.4	17.0	20.1	23.6	24.0	26.0	29.6	34.9
77.5°	7.9	10.3	13.2	15.6	18.9	22.1	24.5	26.6	30.6	36.7	42.9
75°	7.9	10.6	13.8	16.8	20.5	22.5	25.3	28.9	34.6	39.4	44.2
72.5°	7.9	10.9	14.4	18.0	20.5	22.9	26.0	30.6	35.5	40.4	45.4
70°	7.9	11.1	15.0	18.9	20.6	23.2	26.7	31.4	36.4	41.5	47.7
67.5°	7.9	11.4	15.6	18.7	20.5	23.4	27.5	32.1	37.2	43.8	50.3
65°	7.9	11.6	16.1	18.5	20.5	23.8	28.3	32.7	39.2	46.0	53.1
62.5°	7.9	11.9	16.7	18.3	20.3	24.6	29.1	34.0	41.1	48.2	56.5
60°	7.9	12.1	17.2	18.1	20.1	25.4	29.9	35.6	42.8	50.9	59.7
57.5°	7.9	12.3	17.0	17.8	20.8	26.2	31.4	37.1	44.7	53.2	61.3
55°	7.9	12.5	16.9	17.5	21.5	26.9	32.9	38.9	46.4	55.1	62.3
52.5°	7.9	12.7	16.7	17.2	22.1	27.8	34.5	40.8	47.9	56.1	63.3
50°	7.9	12.9	16.6	16.8	22.8	29.0	35.9	42.9	49.0	57.1	63.6
47.5°	7.9	13.1	16.5	16.6	23.4	30.3	37.5	45.3	50.0	58.2	64.7
45°	7.9	13.2	16.5	17.1	24.0	31.4	39.7	47.8	52.8	60.3	66.7
42.5°	7.9	13.4	16.4	17.5	24.6	32.6	42.0	50.6	56.1	63.0	70.0
40°	7.9	13.5	16.4	18.2	25.3	33.6	44.4	53.8	60.3	66.7	74.5
37.5°	7.9	13.6	16.4	19.2	26.1	34.7	46.9	57.2	65.7	73.2	79.9
35°	7.9	13.7	16.4	20.1	26.9	36.3	49.4	60.9	71.3	81.0	87.7
32.5°	7.9	13.8	16.4	21.1	27.5	38.2	52.1	64.8	77.2	89.8	102.2
30°	7.9	13.9	16.5	22.1	28.2	40.1	55.2	69.0	83.3	99.5	118.9
27.5°	7.9	14.0	16.5	23.1	30.2	42.0	58.3	74.0	90.3	110.0	137.6
25°	7.9	14.0	16.6	24.2	32.5	43.8	61.4	79.0	98.7	124.0	160.2
22.5°	7.9	14.1	16.7	25.2	34.9	46.6	64.6	84.0	107.5	140.4	235.1
20°	7.9	14.1	16.8	26.3	37.4	51.6	67.7	89.0	116.4	157.5	319.0
17.5°	7.9	14.1	16.9	27.3	39.9	56.7	73.5	93.9	125.5	175.1	409.9
15°	7.9	14.1	17.0	28.3	42.5	61.8	80.9	101.3	134.6	193.0	505.5
12.5°	7.9	14.1	17.2	29.3	45.1	66.9	88.2	112.1	148.7	210.9	603.4
10°	7.9	14.0	17.3	30.3	47.7	72.0	95.4	122.8	166.9	238.6	695.7
7.5°	7.9	14.0	17.4	31.2	50.2	76.9	102.5	133.4	185.0	267.2	770.7
5°	7.9	13.9	17.5	32.0	52.6	81.7	109.3	143.8	202.8	295.0	836.2
2.5°	7.9	13.9	17.6	32.8	54.9	86.3	115.9	153.8	220.0	321.6	891.3
0°	7.9	13.8	17.7	33.5	57.1	90.6	122.1	163.4	236.3	346.6	935.3
-2.5°	7.9	14.1	19.1	37.6	66.4	108.3	152.7	214.8	316.5	463.6	1057.4
-5°	7.9	14.3	20.4	41.6	75.3	125.4	182.6	265.0	394.4	576.8	1167.5
-7.5°	7.9	14.5	21.7	45.3	83.9	141.9	211.3	313.0	468.7	684.7	1265.6
-10°	7.9	14.7	23.0	48.9	92.0	157.3	238.5	358.2	538.3	785.6	1351.8
-12.5°	7.9	14.9	24.1	52.2	99.5	171.6	263.8	400.0	602.1	877.9	1432.2
-15°	7.9	15.1	25.3	55.2	106.3	184.6	286.9	437.5	662.7	961.2	1501.0
-17.5°	7.9	15.2	26.3	57.9	112.3	196.0	307.4	477.7	721.0	1035.0	1554.3
-20°	7.9	15.4	27.2	60.2	117.4	205.7	329.8	518.7	772.5	1098.1	1591.3



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	15.5	28.0	62.0	121.6	213.6	356.6	554.5	816.5	1150.0	1611.8
-25°	7.9	15.5	28.7	63.5	124.8	225.6	379.4	584.4	852.6	1189.7	1615.3
-27.5°	7.9	15.6	29.3	64.5	126.9	237.8	398.0	608.3	880.3	1221.0	1653.6
-30°	7.9	15.6	29.8	65.0	128.4	247.3	412.0	625.8	904.0	1248.9	1677.8
-32.5°	7.9	15.6	30.1	65.0	133.2	253.9	421.4	640.8	921.7	1265.5	1685.1
-35°	7.9	15.6	30.3	64.5	136.4	257.6	428.1	650.2	930.5	1270.5	1675.2
-37.5°	7.9	15.6	30.3	63.4	137.8	259.4	431.3	652.8	930.2	1263.8	1625.7
-40°	7.9	15.5	30.2	61.8	137.5	260.3	430.1	648.3	920.6	1252.1	1573.5
-42.5°	7.9	15.4	29.9	60.4	136.8	258.4	424.3	636.7	906.0	1209.5	1511.4
-45°	7.9	15.2	29.5	59.7	136.0	253.7	414.1	620.9	884.3	1155.8	1441.3
-47.5°	7.9	15.1	29.0	58.2	133.6	246.1	399.3	602.6	852.7	1094.7	1371.6
-50°	7.9	14.9	28.3	57.7	129.9	235.8	384.7	578.3	800.0	1033.4	1293.1
-52.5°	7.9	14.6	27.4	57.1	124.6	222.7	366.8	548.2	748.6	965.3	1207.0
-55°	7.9	14.4	26.4	55.8	118.0	211.6	345.1	513.1	694.8	890.5	1120.4
-57.5°	7.9	14.1	25.3	54.0	110.0	199.4	319.6	479.2	635.9	817.8	1026.2
-60°	7.9	13.8	24.0	51.5	101.0	185.0	291.6	436.5	574.2	741.6	928.5
-62.5°	7.9	13.5	23.1	48.5	94.7	168.8	268.2	389.1	516.6	659.7	831.8
-65°	7.9	13.1	22.2	44.9	87.4	150.7	242.2	342.4	455.4	583.8	728.8
-67.5°	7.9	12.8	21.2	40.8	79.1	133.9	213.8	302.1	391.0	506.7	632.9
-70°	7.9	12.4	20.1	36.3	70.1	118.7	183.2	259.8	338.7	426.1	537.8
-72.5°	7.9	12.0	18.9	33.2	60.2	102.4	157.6	215.8	284.5	360.4	443.1
-75°	7.9	11.6	17.7	30.4	49.7	84.9	131.5	177.5	228.4	292.7	363.0
-77.5°	7.9	11.1	16.5	27.3	43.0	66.5	104.0	140.6	181.0	226.5	280.5
-80°	7.9	10.7	15.2	24.1	36.9	53.4	75.4	102.6	133.4	168.3	207.2
-82.5°	7.9	10.3	13.9	20.8	30.6	43.2	58.7	70.6	84.9	108.9	135.9
-85°	7.9	9.8	12.5	17.3	24.1	32.7	43.3	51.3	59.8	68.9	78.5
-87.5°	7.9	9.3	11.2	13.8	17.5	22.1	27.6	31.8	36.4	41.2	46.2
-90°	7.9	8.9	9.8	9.3	8.9	8.4	7.9	7.4	6.9	6.4	5.9



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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°	13.8	13.8	13.8	13.8	14.3	14.8	15.3	15.8	16.8	17.8	18.7
87.5°	11.6	12.3	13.0	13.8	12.8	11.6	10.2	8.7	9.1	9.6	10.2
85°	17.2	18.7	20.4	21.7	20.7	19.9	19.3	18.8	19.9	20.8	21.4
82.5°	26.9	28.6	29.5	29.7	30.3	31.2	32.9	36.4	38.7	40.2	41.0
80°	37.5	38.6	39.5	42.1	46.7	52.3	58.4	65.2	67.4	67.6	66.8
77.5°	44.0	46.4	51.0	57.9	65.6	73.4	82.0	91.3	94.0	93.2	91.4
75°	47.8	53.4	61.5	71.5	81.7	92.2	103.4	113.9	116.9	113.5	109.2
72.5°	51.5	60.0	70.8	83.7	95.0	105.8	117.8	131.0	135.6	128.8	121.0
70°	55.1	65.9	78.2	91.0	103.8	116.1	127.8	140.5	148.0	137.5	121.5
67.5°	58.3	70.8	83.9	97.0	108.6	120.7	133.9	139.3	142.7	125.7	107.7
65°	61.9	75.2	87.1	98.8	111.2	116.1	120.4	125.0	124.4	105.1	85.8
62.5°	65.6	76.5	87.9	97.1	100.1	103.0	103.0	100.1	95.4	82.1	65.6
60°	66.9	76.4	84.2	87.3	88.1	85.2	81.5	77.8	72.1	60.9	49.6
57.5°	67.7	72.8	76.4	77.3	74.0	68.4	65.8	59.9	55.0	48.5	39.3
55°	67.4	66.7	68.8	67.0	63.0	58.5	53.8	50.0	43.9	42.0	37.8
52.5°	65.6	62.6	61.6	59.6	56.9	52.3	47.7	44.6	43.1	40.7	37.3
50°	65.0	61.1	56.4	56.2	54.1	50.7	45.9	45.3	45.3	43.1	39.1
47.5°	65.8	61.2	55.2	55.4	55.6	56.8	52.8	51.0	51.6	57.4	51.2
45°	68.0	65.5	59.2	59.1	64.6	72.0	78.5	60.4	78.7	87.8	95.0
42.5°	71.5	72.7	75.9	64.7	85.5	111.8	124.4	130.9	124.2	152.9	182.5
40°	79.4	82.2	104.2	112.9	121.8	176.2	251.8	269.4	204.7	284.7	334.1
37.5°	89.2	117.0	155.3	201.5	197.3	311.0	429.3	520.0	511.0	483.2	692.0
35°	100.4	159.9	263.0	366.0	411.2	519.0	737.1	895.1	989.1	1045.9	1217.8
32.5°	131.3	210.7	397.7	616.5	804.9	911.8	1117.8	1464.1	1791.8	1987.5	1985.6
30°	185.7	335.6	587.8	924.0	1290.3	1590.7	1761.1	2206.1	2830.7	3275.0	3571.0
27.5°	265.9	487.5	881.0	1368.1	1881.3	2391.4	2731.3	3309.6	4150.1	4827.1	5459.5
25°	364.0	728.8	1211.3	1896.3	2650.9	3298.8	3787.8	4591.7	5656.6	6718.4	7776.4
22.5°	520.1	1009.0	1577.9	2473.7	3500.3	4236.6	4954.9	5934.7	7166.4	8657.0	10270.2
20°	737.7	1335.0	1969.3	2926.9	4349.6	5191.3	6073.2	7242.6	8679.1	10490.9	12644.5
17.5°	972.8	1642.9	2353.1	3420.6	4808.8	5975.1	7159.3	8491.9	10101.8	12203.5	14523.5
15°	1220.1	1932.4	2696.0	3861.4	5238.5	6498.7	7899.8	9633.1	11531.5	13804.5	16231.3
12.5°	1473.7	2203.5	2999.8	4249.7	5648.9	6973.1	8467.3	10270.0	12478.5	15144.7	17692.3
10°	1727.2	2456.0	3266.9	4586.2	6033.7	7397.2	8954.7	10799.1	13046.1	15717.3	18470.9
7.5°	1882.6	2622.7	3485.1	4872.0	6386.8	7770.2	9363.8	11224.1	13439.2	16126.7	18964.6
5°	2000.2	2697.7	3598.6	5066.6	6665.8	8046.5	9683.0	11549.9	13675.9	16376.2	19339.5
2.5°	2091.6	2752.9	3689.2	5211.3	6876.8	8196.7	9873.0	11758.3	13922.5	16686.2	19718.1
0°	2156.1	2790.2	3755.0	5310.6	7035.5	8293.7	9997.0	11883.3	14094.6	16955.7	20055.0
-2.5°	2218.8	2905.5	3888.7	5437.2	7058.4	8308.1	10044.2	11888.4	14094.5	16903.4	19915.3
-5°	2258.2	3001.6	3994.4	5516.9	7034.9	8278.4	10018.1	11817.0	13941.0	16596.9	19397.8
-7.5°	2278.7	3075.0	4070.6	5528.9	6913.4	8103.7	9705.0	11396.1	13434.0	15922.7	18505.3
-10°	2289.5	3119.3	4062.5	5362.5	6661.0	7823.0	9286.9	10907.0	12826.7	15141.0	17530.5
-12.5°	2319.6	3143.3	4025.7	5180.8	6387.0	7505.6	8823.1	10357.4	12122.3	14266.8	16459.1
-15°	2335.9	3155.4	3974.6	4993.3	6098.9	7154.1	8321.2	9752.5	11359.2	13277.6	15222.6
-17.5°	2340.5	3157.6	3912.3	4808.7	5803.8	6770.9	7827.4	9234.2	10697.1	12353.7	14012.5
-20°	2335.4	3151.7	3841.7	4634.8	5513.8	6492.5	7559.1	8786.4	10095.9	11496.7	12878.7



REPORT NUMBER: P701743 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2322.5	3139.4	3782.1	4511.5	5374.5	6310.1	7291.2	8353.2	9480.0	10696.4	12097.9
-25°	2316.0	3094.3	3742.3	4424.2	5239.7	6118.3	7009.6	7953.1	8935.5	10209.4	11546.1
-27.5°	2305.8	3046.7	3664.1	4303.2	5083.7	5924.4	6760.4	7621.6	8630.2	9774.7	11015.2
-30°	2275.4	2931.6	3557.7	4161.3	4918.6	5728.7	6527.0	7345.6	8300.0	9379.0	10529.9
-32.5°	2189.8	2800.9	3416.5	4022.8	4719.9	5514.0	6285.9	7079.8	7965.1	8931.9	10039.1
-35°	2094.0	2666.1	3258.1	3851.0	4487.9	5253.8	6004.8	6772.1	7593.9	8500.9	9533.2
-37.5°	2024.2	2521.2	3088.5	3657.4	4268.7	4949.2	5685.7	6424.2	7202.3	8066.6	9042.9
-40°	1941.2	2366.9	2916.4	3460.9	4017.3	4644.7	5332.8	6041.6	6772.0	7634.0	8528.7
-42.5°	1848.3	2259.4	2738.0	3252.5	3777.2	4347.5	4961.6	5636.0	6368.8	7170.7	8010.8
-45°	1768.1	2138.7	2559.5	3041.0	3528.5	4045.0	4614.5	5217.6	5941.5	6687.5	7467.6
-47.5°	1676.9	2012.5	2408.2	2817.4	3276.6	3752.9	4256.6	4843.9	5487.0	6185.7	6901.2
-50°	1578.3	1898.1	2235.7	2616.2	3023.1	3459.2	3919.0	4454.9	5041.8	5666.0	6324.5
-52.5°	1479.1	1772.0	2082.7	2414.0	2783.5	3175.3	3601.3	4078.6	4598.0	5145.0	5726.0
-55°	1370.5	1644.0	1926.7	2227.1	2549.5	2905.0	3285.8	3712.5	4159.1	4655.0	5143.6
-57.5°	1258.8	1506.2	1766.9	2045.1	2334.8	2637.1	2982.2	3343.6	3747.2	4171.0	4602.3
-60°	1142.1	1363.8	1600.0	1855.8	2125.0	2397.4	2676.9	2997.1	3339.7	3691.8	4077.3
-62.5°	1019.7	1218.7	1430.0	1656.8	1903.2	2149.7	2400.4	2665.2	2942.7	3259.0	3580.7
-65°	898.5	1069.9	1258.0	1459.7	1670.8	1892.1	2116.9	2343.8	2586.6	2847.2	3118.0
-67.5°	770.7	925.5	1087.3	1258.5	1445.9	1633.8	1830.0	2035.1	2241.5	2452.7	2675.0
-70°	655.6	778.4	919.3	1068.8	1220.1	1374.0	1543.6	1719.7	1899.6	2079.2	2263.9
-72.5°	539.6	645.1	757.8	877.2	1004.2	1131.0	1263.4	1400.7	1546.8	1698.0	1851.5
-75°	434.2	509.0	601.3	700.9	797.9	893.3	992.6	1104.3	1219.9	1336.5	1452.8
-77.5°	336.8	396.4	460.6	529.2	596.7	673.3	751.8	831.9	915.6	1001.6	1088.7
-80°	243.8	281.5	328.9	380.1	429.0	478.6	529.6	581.8	636.3	696.6	761.6
-82.5°	161.6	188.4	216.6	246.1	273.3	300.4	329.4	364.9	400.7	437.6	475.1
-85°	86.4	94.4	111.0	128.6	145.9	163.3	180.8	198.1	215.9	233.3	250.0
-87.5°	50.2	54.2	58.2	62.4	66.7	71.1	75.4	79.8	85.6	91.6	97.6
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.1	23.6	24.1	24.6
87.5°	10.7	10.0	9.2	8.4	7.5	9.8	12.2	14.7	17.2	15.9	14.6
85°	21.9	22.0	22.1	22.2	22.3	24.9	27.5	30.0	32.4	29.9	27.3
82.5°	41.2	40.6	39.2	37.1	34.3	33.7	32.8	31.6	30.0	28.7	27.6
80°	65.3	62.1	57.8	52.7	46.9	44.0	41.3	38.2	34.9	33.9	33.1
77.5°	87.9	81.8	74.5	66.7	58.3	53.1	48.3	43.2	37.8	36.3	35.4
75°	103.8	96.0	85.6	74.6	62.8	54.7	48.3	41.9	35.5	33.9	33.7
72.5°	112.0	101.3	88.1	72.5	57.7	47.9	41.9	36.5	31.6	29.9	29.2
70°	105.3	89.0	73.8	59.5	46.3	37.5	33.3	29.5	26.1	25.3	25.8
67.5°	88.9	72.5	58.7	46.4	35.9	28.7	26.2	24.3	22.8	22.3	22.2
65°	69.5	55.7	44.4	35.1	27.5	23.1	22.3	21.5	20.7	20.0	19.4
62.5°	51.3	40.8	33.7	28.3	24.3	21.7	21.0	20.1	19.1	18.1	17.3
60°	39.9	31.6	28.0	25.8	23.8	22.0	21.3	20.9	20.5	20.2	19.6
57.5°	34.7	30.6	27.3	25.9	24.8	23.9	23.5	23.1	22.5	21.6	20.9
55°	33.9	30.7	27.8	27.0	26.5	25.9	25.3	24.6	23.8	22.9	22.6
52.5°	33.9	32.5	30.3	29.3	29.8	29.0	27.4	28.2	28.3	27.5	27.1
50°	38.3	38.7	39.2	35.9	39.3	40.8	38.8	40.4	42.9	43.1	43.0
47.5°	54.4	58.0	62.7	59.0	63.4	70.0	69.4	69.9	75.8	76.5	76.3
45°	86.7	102.4	109.8	114.1	112.4	127.7	130.7	125.7	133.7	135.3	133.0
42.5°	173.6	182.3	201.9	217.4	208.6	224.3	228.9	214.6	228.5	234.8	228.0
40°	388.8	309.2	367.1	407.1	393.1	362.5	415.5	396.5	394.7	416.8	399.5
37.5°	767.6	681.4	740.7	854.8	850.7	707.0	867.3	856.9	720.3	882.2	868.1
35°	1376.7	1536.1	1465.0	1678.4	1740.3	1772.4	1861.4	1953.3	1852.7	1985.2	1981.8
32.5°	2465.0	2795.8	2942.1	2968.1	3242.0	3465.2	3370.7	3728.8	3707.0	3796.5	3888.0
30°	3891.6	4629.0	5002.2	5011.5	5466.0	5866.0	5993.0	6442.4	6708.1	6664.0	7109.2
27.5°	6209.0	6933.5	7548.1	8072.6	8426.8	9057.6	9935.4	10378.4	11031.5	11287.6	11903.0
25°	8827.4	9727.6	10697.9	11610.7	12360.2	13490.0	14582.7	15271.7	16206.1	16938.3	17682.4
22.5°	11664.1	12858.2	14103.2	15468.6	16862.6	18241.0	19568.2	20841.1	22086.9	23462.9	24304.0
20°	14564.1	15913.9	17429.3	19279.8	21213.9	22876.1	24688.9	26684.8	28593.0	30369.0	31710.5
17.5°	16768.0	18856.6	20498.4	22500.3	24902.1	27243.7	29554.7	32186.9	34614.4	36878.8	38898.3
15°	18451.0	20640.4	23020.0	25436.3	27966.5	30754.6	33933.6	36813.7	39812.5	42475.7	44969.9
12.5°	19917.9	22140.7	24631.0	27449.1	30640.5	33633.9	36965.5	40567.4	43749.1	46877.7	49217.9
10°	21000.6	23469.7	25994.4	28827.9	32082.3	35577.1	39187.8	42828.6	46396.2	49416.3	51930.5
7.5°	21597.8	24220.2	26861.6	29820.5	33166.4	36604.0	40210.9	44012.3	47603.2	50713.4	53022.4
5°	22084.0	24749.9	27360.9	30331.6	33817.8	37232.5	40687.8	44315.9	48075.8	51143.6	53545.9
2.5°	22508.3	25109.4	27656.3	30548.7	34141.3	37571.3	41123.9	44884.9	48520.9	51480.2	53818.5
0°	22876.7	25332.1	27823.0	30689.9	34446.9	37918.4	41413.5	45093.7	48797.5	51680.2	54047.0
-2.5°	22610.2	25017.8	27472.1	30402.7	33985.6	37400.4	40915.3	44642.0	48150.3	51070.2	53364.9
-5°	21915.5	24234.6	26671.7	29595.1	33015.2	36360.0	39828.1	43417.8	46715.6	49634.8	51745.6
-7.5°	20899.7	23170.0	25597.6	28475.2	31657.8	34693.6	37793.0	41120.6	44403.0	46980.4	48990.9
-10°	19770.5	21931.3	24165.8	26696.6	29514.6	32350.1	35198.0	38291.4	41183.6	43603.7	45539.0
-12.5°	18430.0	20349.4	22406.8	24614.2	27201.3	29902.0	32617.8	35327.2	37994.7	40171.8	41925.0
-15°	16982.1	18679.4	20558.5	22693.6	24998.7	27381.8	29831.6	32419.1	34821.4	36849.3	38395.0
-17.5°	15553.7	17073.7	18983.5	20924.8	22787.6	24972.8	27409.3	29549.0	31741.3	33562.3	34927.8
-20°	14342.9	15978.1	17638.7	19297.4	21076.9	23201.4	25267.2	27284.5	29232.7	30890.8	32248.5



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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°	13553.5	14990.2	16407.3	17976.2	19785.2	21660.0	23529.7	25363.7	27126.9	28702.0	29993.4
-25°	12835.7	14051.5	15454.7	17047.7	18575.2	20219.8	21985.1	23518.0	25190.6	26616.9	27721.8
-27.5°	12208.2	13411.4	14788.5	16221.2	17602.8	19085.1	20693.0	22156.1	23661.2	25032.8	25996.8
-30°	11661.9	12908.3	14203.2	15513.9	16815.1	18186.5	19584.0	20998.2	22379.1	23622.7	24549.3
-32.5°	11196.3	12365.6	13580.0	14799.7	15986.1	17235.3	18531.7	19831.8	21111.1	22199.2	23106.5
-35°	10666.9	11786.3	12914.8	14010.2	15109.0	16226.4	17429.5	18646.6	19791.3	20784.7	21670.4
-37.5°	10076.1	11154.7	12184.5	13181.7	14200.3	15233.6	16348.0	17466.1	18517.5	19416.7	20261.2
-40°	9488.2	10471.0	11403.7	12334.4	13268.3	14235.9	15243.8	16245.0	17167.9	18018.4	18805.4
-42.5°	8877.3	9737.6	10586.6	11452.9	12314.4	13187.0	14087.4	14997.9	15820.3	16596.1	17293.6
-45°	8261.0	8999.3	9749.3	10542.9	11329.5	12112.8	12892.4	13660.9	14431.0	15153.9	15743.1
-47.5°	7605.6	8271.8	8952.7	9635.0	10339.9	11055.0	11736.4	12401.8	13081.9	13727.9	14214.7
-50°	6944.1	7560.9	8176.4	8777.6	9400.8	10029.7	10650.6	11236.2	11805.9	12355.3	12735.9
-52.5°	6277.9	6848.4	7412.4	7956.1	8496.7	9032.8	9558.9	10078.4	10577.7	11048.5	11350.2
-55°	5645.3	6154.0	6650.0	7124.8	7602.0	8072.7	8536.7	8991.2	9422.1	9827.0	10059.6
-57.5°	5050.3	5493.4	5927.7	6336.5	6735.9	7123.9	7534.0	7946.9	8334.8	8682.7	8870.3
-60°	4470.5	4869.6	5242.3	5584.1	5926.6	6267.3	6612.8	6953.8	7285.9	7574.8	7736.3
-62.5°	3900.3	4241.4	4558.6	4852.6	5135.5	5416.9	5716.6	6004.2	6277.8	6500.8	6637.7
-65°	3400.7	3689.7	3927.2	4161.3	4393.7	4641.2	4890.1	5127.5	5352.3	5527.0	5642.3
-67.5°	2915.0	3152.7	3350.4	3544.7	3739.2	3935.9	4136.4	4330.6	4517.1	4658.4	4758.5
-70°	2453.2	2632.8	2787.7	2945.8	3107.0	3267.9	3428.9	3584.0	3732.0	3839.6	3920.2
-72.5°	2006.6	2145.4	2265.9	2388.7	2509.9	2634.4	2759.2	2879.1	2993.2	3070.3	3126.8
-75°	1568.3	1669.0	1765.7	1859.4	1949.7	2042.4	2134.1	2221.8	2304.9	2363.3	2409.8
-77.5°	1180.8	1252.3	1315.3	1377.1	1437.2	1501.6	1564.5	1623.9	1679.4	1720.0	1754.2
-80°	827.2	873.3	913.5	951.4	986.7	1026.6	1065.7	1102.7	1137.2	1160.9	1179.7
-82.5°	513.3	540.4	564.6	586.8	607.2	628.0	647.4	665.0	680.7	699.3	716.5
-85°	266.3	277.4	287.7	297.2	306.0	314.5	322.2	329.1	335.2	338.5	340.9
-87.5°	103.5	106.1	108.5	110.7	112.7	115.4	117.9	120.3	122.5	124.6	126.4
-90°	5.9	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9	3.9	3.9



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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°	25.1	25.6	25.6	25.6	25.6	25.6	25.1	24.6	24.1	23.6	23.1
87.5°	13.2	11.8	10.8	9.8	10.8	11.8	13.2	14.6	15.9	17.2	14.7
85°	24.5	21.6	19.7	17.7	19.7	21.6	24.5	27.3	29.9	32.4	30.0
82.5°	26.6	25.6	25.6	25.6	25.6	25.6	26.6	27.6	28.7	30.0	31.6
80°	32.3	31.4	32.5	33.5	32.5	31.4	32.3	33.1	33.9	34.9	38.2
77.5°	34.5	33.5	33.5	33.5	33.5	33.5	34.5	35.4	36.3	37.8	43.2
75°	33.6	33.5	32.5	31.5	32.5	33.5	33.6	33.7	33.9	35.5	41.9
72.5°	28.5	27.8	27.6	27.6	27.6	27.8	28.5	29.2	29.9	31.6	36.5
70°	26.5	27.5	26.7	25.6	26.7	27.5	26.5	25.8	25.3	26.1	29.5
67.5°	22.1	21.9	21.7	21.7	21.7	21.9	22.1	22.2	22.3	22.8	24.3
65°	18.7	18.0	17.7	17.7	17.7	18.0	18.7	19.4	20.0	20.7	21.5
62.5°	16.7	16.0	15.8	15.8	15.8	16.0	16.7	17.3	18.1	19.1	20.1
60°	18.9	17.9	16.9	15.8	16.9	17.9	18.9	19.6	20.2	20.5	20.9
57.5°	20.3	19.8	19.7	19.7	19.7	19.8	20.3	20.9	21.6	22.5	23.1
55°	22.2	21.8	21.7	21.7	21.7	21.8	22.2	22.6	22.9	23.8	24.6
52.5°	26.6	25.8	24.8	23.6	24.8	25.8	26.6	27.1	27.5	28.3	28.2
50°	42.1	40.1	39.1	39.4	39.1	40.1	42.1	43.0	43.1	42.9	40.4
47.5°	77.8	77.7	77.4	76.8	77.4	77.7	77.8	76.3	76.5	75.8	69.9
45°	132.3	127.0	122.0	120.1	122.0	127.0	132.3	133.0	135.3	133.7	125.7
42.5°	232.5	231.4	227.3	222.5	227.3	231.4	232.5	228.0	234.8	228.5	214.6
40°	404.1	398.6	389.1	391.8	389.1	398.6	404.1	399.5	416.8	394.7	396.5
37.5°	841.5	801.2	740.0	740.4	740.0	801.2	841.5	868.1	882.2	720.3	856.9
35°	1969.7	2002.8	1963.7	1963.2	1963.7	2002.8	1969.7	1981.8	1985.2	1852.7	1953.3
32.5°	3769.4	3714.7	3492.6	3377.0	3492.6	3714.7	3769.4	3888.0	3796.5	3707.0	3728.8
30°	7101.2	7136.5	6803.6	6811.0	6803.6	7136.5	7101.2	7109.2	6664.0	6708.1	6442.4
27.5°	12151.1	12421.5	12350.4	12231.9	12350.4	12421.5	12151.1	11903.0	11287.6	11031.5	10378.4
25°	18170.4	18374.0	18237.7	18154.8	18237.7	18374.0	18170.4	17682.4	16938.3	16206.1	15271.7
22.5°	25120.9	25404.4	25333.2	24973.7	25333.2	25404.4	25120.9	24304.0	23462.9	22086.9	20841.1
20°	32815.3	33300.9	33583.0	33401.3	33583.0	33300.9	32815.3	31710.5	30369.0	28593.0	26684.8
17.5°	40332.5	40958.8	41439.0	41600.5	41439.0	40958.8	40332.5	38898.3	36878.8	34614.4	32186.9
15°	46653.7	47549.2	48180.0	48403.7	48180.0	47549.2	46653.7	44969.9	42475.7	39812.5	36813.7
12.5°	51190.0	52355.6	53095.3	53317.5	53095.3	52355.6	51190.0	49217.9	46877.7	43749.1	40567.4
10°	53684.5	55153.8	55995.8	56346.9	55995.8	55153.8	53684.5	51930.5	49416.3	46396.2	42828.6
7.5°	55078.2	56405.4	57200.9	57318.7	57200.9	56405.4	55078.2	53022.4	50713.4	47603.2	44012.3
5°	55530.5	56736.1	57392.9	57453.5	57392.9	56736.1	55530.5	53545.9	51143.6	48075.8	44315.9
2.5°	55728.6	56747.5	57231.8	57108.0	57231.8	56747.5	55728.6	53818.5	51480.2	48520.9	44884.9
0°	55627.2	56537.9	57051.8	57128.6	57051.8	56537.9	55627.2	54047.0	51680.2	48797.5	45093.7
-2.5°	54801.2	55479.3	55843.8	55609.5	55843.8	55479.3	54801.2	53364.9	51070.2	48150.3	44642.0
-5°	52917.8	53405.7	53557.9	53643.4	53557.9	53405.7	52917.8	51745.6	49634.8	46715.6	43417.8
-7.5°	50195.5	50593.8	50744.0	50638.6	50744.0	50593.8	50195.5	48990.9	46980.4	44403.0	41120.6
-10°	46607.5	46972.5	47100.0	47027.3	47100.0	46972.5	46607.5	45539.0	43603.7	41183.6	38291.4
-12.5°	42975.6	43408.0	43507.2	43513.5	43507.2	43408.0	42975.6	41925.0	40171.8	37994.7	35327.2
-15°	39405.2	39899.6	40050.7	40182.8	40050.7	39899.6	39405.2	38395.0	36849.3	34821.4	32419.1
-17.5°	35896.9	36388.0	36515.5	36343.1	36515.5	36388.0	35896.9	34927.8	33562.3	31741.3	29549.0
-20°	33013.2	33267.7	33539.4	33537.2	33539.4	33267.7	33013.2	32248.5	30890.8	29232.7	27284.5



REPORT NUMBER: P701743 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30631.4	31052.3	31283.7	31448.0	31283.7	31052.3	30631.4	29993.4	28702.0	27126.9	25363.7
-25°	28397.6	28755.0	28898.8	29008.3	28898.8	28755.0	28397.6	27721.8	26616.9	25190.6	23518.0
-27.5°	26676.8	27039.5	27244.6	27366.1	27244.6	27039.5	26676.8	25996.8	25032.8	23661.2	22156.1
-30°	25304.4	25660.8	25905.2	26058.7	25905.2	25660.8	25304.4	24549.3	23622.7	22379.1	20998.2
-32.5°	23825.6	24198.4	24453.1	24611.4	24453.1	24198.4	23825.6	23106.5	22199.2	21111.1	19831.8
-35°	22288.9	22661.7	22936.7	23065.7	22936.7	22661.7	22288.9	21670.4	20784.7	19791.3	18646.6
-37.5°	20796.0	21144.0	21387.0	21482.6	21387.0	21144.0	20796.0	20261.2	19416.7	18517.5	17466.1
-40°	19239.8	19568.1	19793.9	19881.7	19793.9	19568.1	19239.8	18805.4	18018.4	17167.9	16245.0
-42.5°	17670.5	17976.9	18185.4	18273.0	18185.4	17976.9	17670.5	17293.6	16596.1	15820.3	14997.9
-45°	16081.0	16353.5	16530.0	16597.3	16530.0	16353.5	16081.0	15743.1	15153.9	14431.0	13660.9
-47.5°	14516.4	14762.2	14913.8	14963.0	14913.8	14762.2	14516.4	14214.7	13727.9	13081.9	12401.8
-50°	12989.1	13190.4	13329.2	13407.4	13329.2	13190.4	12989.1	12735.9	12355.3	11805.9	11236.2
-52.5°	11576.4	11759.3	11868.1	11910.9	11868.1	11759.3	11576.4	11350.2	11048.5	10577.7	10078.4
-55°	10252.4	10410.6	10503.2	10540.4	10503.2	10410.6	10252.4	10059.6	9827.0	9422.1	8991.2
-57.5°	9029.7	9159.3	9246.6	9296.0	9246.6	9159.3	9029.7	8870.3	8682.7	8334.8	7946.9
-60°	7870.5	7976.7	8050.0	8092.9	8050.0	7976.7	7870.5	7736.3	7574.8	7285.9	6953.8
-62.5°	6751.4	6841.7	6901.0	6935.1	6901.0	6841.7	6751.4	6637.7	6500.8	6277.8	6004.2
-65°	5739.6	5818.7	5857.0	5871.8	5857.0	5818.7	5739.6	5642.3	5527.0	5352.3	5127.5
-67.5°	4844.5	4915.7	4941.6	4946.3	4941.6	4915.7	4844.5	4758.5	4658.4	4517.1	4330.6
-70°	3990.0	4048.0	4067.7	4070.1	4067.7	4048.0	3990.0	3920.2	3839.6	3732.0	3584.0
-72.5°	3173.4	3210.0	3238.3	3256.8	3238.3	3210.0	3173.4	3126.8	3070.3	2993.2	2879.1
-75°	2448.8	2480.2	2493.7	2498.7	2493.7	2480.2	2448.8	2409.8	2363.3	2304.9	2221.8
-77.5°	1783.4	1807.2	1812.6	1811.5	1812.6	1807.2	1783.4	1754.2	1720.0	1679.4	1623.9
-80°	1194.7	1205.7	1213.0	1216.9	1213.0	1205.7	1194.7	1179.7	1160.9	1137.2	1102.7
-82.5°	731.9	745.4	731.5	714.8	731.5	745.4	731.9	716.5	699.3	680.7	665.0
-85°	342.4	343.0	344.2	344.6	344.2	343.0	342.4	340.9	338.5	335.2	329.1
-87.5°	128.1	129.6	128.9	128.0	128.9	129.6	128.1	126.4	124.6	122.5	120.3
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.7	22.2	21.7	21.2	20.7	20.2	19.7	18.7	17.8	16.8	15.8
87.5°	12.2	9.8	7.5	8.4	9.2	10.0	10.7	10.2	9.6	9.1	8.7
85°	27.5	24.9	22.3	22.2	22.1	22.0	21.9	21.4	20.8	19.9	18.8
82.5°	32.8	33.7	34.3	37.1	39.2	40.6	41.2	41.0	40.2	38.7	36.4
80°	41.3	44.0	46.9	52.7	57.8	62.1	65.3	66.8	67.6	67.4	65.2
77.5°	48.3	53.1	58.3	66.7	74.5	81.8	87.9	91.4	93.2	94.0	91.3
75°	48.3	54.7	62.8	74.6	85.6	96.0	103.8	109.2	113.5	116.9	113.9
72.5°	41.9	47.9	57.7	72.5	88.1	101.3	112.0	121.0	128.8	135.6	131.0
70°	33.3	37.5	46.3	59.5	73.8	89.0	105.3	121.5	137.5	148.0	140.5
67.5°	26.2	28.7	35.9	46.4	58.7	72.5	88.9	107.7	125.7	142.7	139.3
65°	22.3	23.1	27.5	35.1	44.4	55.7	69.5	85.8	105.1	124.4	125.0
62.5°	21.0	21.7	24.3	28.3	33.7	40.8	51.3	65.6	82.1	95.4	100.1
60°	21.3	22.0	23.8	25.8	28.0	31.6	39.9	49.6	60.9	72.1	77.8
57.5°	23.5	23.9	24.8	25.9	27.3	30.6	34.7	39.3	48.5	55.0	59.9
55°	25.3	25.9	26.5	27.0	27.8	30.7	33.9	37.8	42.0	43.9	50.0
52.5°	27.4	29.0	29.8	29.3	30.3	32.5	33.9	37.3	40.7	43.1	44.6
50°	38.8	40.8	39.3	35.9	39.2	38.7	38.3	39.1	43.1	45.3	45.3
47.5°	69.4	70.0	63.4	59.0	62.7	58.0	54.4	51.2	57.4	51.6	51.0
45°	130.7	127.7	112.4	114.1	109.8	102.4	86.7	95.0	87.8	78.7	60.4
42.5°	228.9	224.3	208.6	217.4	201.9	182.3	173.6	182.5	152.9	124.2	130.9
40°	415.5	362.5	393.1	407.1	367.1	309.2	388.8	334.1	284.7	204.7	269.4
37.5°	867.3	707.0	850.7	854.8	740.7	681.4	767.6	692.0	483.2	511.0	520.0
35°	1861.4	1772.4	1740.3	1678.4	1465.0	1536.1	1376.7	1217.8	1045.9	989.1	895.1
32.5°	3370.7	3465.2	3242.0	2968.1	2942.1	2795.8	2465.0	1985.6	1987.5	1791.8	1464.1
30°	5993.0	5866.0	5466.0	5011.5	5002.2	4629.0	3891.6	3571.0	3275.0	2830.7	2206.1
27.5°	9935.4	9057.6	8426.8	8072.6	7548.1	6933.5	6209.0	5459.5	4827.1	4150.1	3309.6
25°	14582.7	13490.0	12360.2	11610.7	10697.9	9727.6	8827.4	7776.4	6718.4	5656.6	4591.7
22.5°	19568.2	18241.0	16862.6	15468.6	14103.2	12858.2	11664.1	10270.2	8657.0	7166.4	5934.7
20°	24688.9	22876.1	21213.9	19279.8	17429.3	15913.9	14564.1	12644.5	10490.9	8679.1	7242.6
17.5°	29554.7	27243.7	24902.1	22500.3	20498.4	18856.6	16768.0	14523.5	12203.5	10101.8	8491.9
15°	33933.6	30754.6	27966.5	25436.3	23020.0	20640.4	18451.0	16231.3	13804.5	11531.5	9633.1
12.5°	36965.5	33633.9	30640.5	27449.1	24631.0	22140.7	19917.9	17692.3	15144.7	12478.5	10270.0
10°	39187.8	35577.1	32082.3	28827.9	25994.4	23469.7	21000.6	18470.9	15717.3	13046.1	10799.1
7.5°	40210.9	36604.0	33166.4	29820.5	26861.6	24220.2	21597.8	18964.6	16126.7	13439.2	11224.1
5°	40687.8	37232.5	33817.8	30331.6	27360.9	24749.9	22084.0	19339.5	16376.2	13675.9	11549.9
2.5°	41123.9	37571.3	34141.3	30548.7	27656.3	25109.4	22508.3	19718.1	16686.2	13922.5	11758.3
0°	41413.5	37918.4	34446.9	30689.9	27823.0	25332.1	22876.7	20055.0	16955.7	14094.6	11883.3
-2.5°	40915.3	37400.4	33985.6	30402.7	27472.1	25017.8	22610.2	19915.3	16903.4	14094.5	11888.4
-5°	39828.1	36360.0	33015.2	29595.1	26671.7	24234.6	21915.5	19397.8	16596.9	13941.0	11817.0
-7.5°	37793.0	34693.6	31657.8	28475.2	25597.6	23170.0	20899.7	18505.3	15922.7	13434.0	11396.1
-10°	35198.0	32350.1	29514.6	26696.6	24165.8	21931.3	19770.5	17530.5	15141.0	12826.7	10907.0
-12.5°	32617.8	29902.0	27201.3	24614.2	22406.8	20349.4	18430.0	16459.1	14266.8	12122.3	10357.4
-15°	29831.6	27381.8	24998.7	22693.6	20558.5	18679.4	16982.1	15222.6	13277.6	11359.2	9752.5
-17.5°	27409.3	24972.8	22787.6	20924.8	18983.5	17073.7	15553.7	14012.5	12353.7	10697.1	9234.2
-20°	25267.2	23201.4	21076.9	19297.4	17638.7	15978.1	14342.9	12878.7	11496.7	10095.9	8786.4



REPORT NUMBER: P701743 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23529.7	21660.0	19785.2	17976.2	16407.3	14990.2	13553.5	12097.9	10696.4	9480.0	8353.2
-25°	21985.1	20219.8	18575.2	17047.7	15454.7	14051.5	12835.7	11546.1	10209.4	8935.5	7953.1
-27.5°	20693.0	19085.1	17602.8	16221.2	14788.5	13411.4	12208.2	11015.2	9774.7	8630.2	7621.6
-30°	19584.0	18186.5	16815.1	15513.9	14203.2	12908.3	11661.9	10529.9	9379.0	8300.0	7345.6
-32.5°	18531.7	17235.3	15986.1	14799.7	13580.0	12365.6	11196.3	10039.1	8931.9	7965.1	7079.8
-35°	17429.5	16226.4	15109.0	14010.2	12914.8	11786.3	10666.9	9533.2	8500.9	7593.9	6772.1
-37.5°	16348.0	15233.6	14200.3	13181.7	12184.5	11154.7	10076.1	9042.9	8066.6	7202.3	6424.2
-40°	15243.8	14235.9	13268.3	12334.4	11403.7	10471.0	9488.2	8528.7	7634.0	6772.0	6041.6
-42.5°	14087.4	13187.0	12314.4	11452.9	10586.6	9737.6	8877.3	8010.8	7170.7	6368.8	5636.0
-45°	12892.4	12112.8	11329.5	10542.9	9749.3	8999.3	8261.0	7467.6	6687.5	5941.5	5217.6
-47.5°	11736.4	11055.0	10339.9	9635.0	8952.7	8271.8	7605.6	6901.2	6185.7	5487.0	4843.9
-50°	10650.6	10029.7	9400.8	8777.6	8176.4	7560.9	6944.1	6324.5	5666.0	5041.8	4454.9
-52.5°	9558.9	9032.8	8496.7	7956.1	7412.4	6848.4	6277.9	5726.0	5145.0	4598.0	4078.6
-55°	8536.7	8072.7	7602.0	7124.8	6650.0	6154.0	5645.3	5143.6	4655.0	4159.1	3712.5
-57.5°	7534.0	7123.9	6735.9	6336.5	5927.7	5493.4	5050.3	4602.3	4171.0	3747.2	3343.6
-60°	6612.8	6267.3	5926.6	5584.1	5242.3	4869.6	4470.5	4077.3	3691.8	3339.7	2997.1
-62.5°	5716.6	5416.9	5135.5	4852.6	4558.6	4241.4	3900.3	3580.7	3259.0	2942.7	2665.2
-65°	4890.1	4641.2	4393.7	4161.3	3927.2	3689.7	3400.7	3118.0	2847.2	2586.6	2343.8
-67.5°	4136.4	3935.9	3739.2	3544.7	3350.4	3152.7	2915.0	2675.0	2452.7	2241.5	2035.1
-70°	3428.9	3267.9	3107.0	2945.8	2787.7	2632.8	2453.2	2263.9	2079.2	1899.6	1719.7
-72.5°	2759.2	2634.4	2509.9	2388.7	2265.9	2145.4	2006.6	1851.5	1698.0	1546.8	1400.7
-75°	2134.1	2042.4	1949.7	1859.4	1765.7	1669.0	1568.3	1452.8	1336.5	1219.9	1104.3
-77.5°	1564.5	1501.6	1437.2	1377.1	1315.3	1252.3	1180.8	1088.7	1001.6	915.6	831.9
-80°	1065.7	1026.6	986.7	951.4	913.5	873.3	827.2	761.6	696.6	636.3	581.8
-82.5°	647.4	628.0	607.2	586.8	564.6	540.4	513.3	475.1	437.6	400.7	364.9
-85°	322.2	314.5	306.0	297.2	287.7	277.4	266.3	250.0	233.3	215.9	198.1
-87.5°	117.9	115.4	112.7	110.7	108.5	106.1	103.5	97.6	91.6	85.6	79.8
-90°	3.9	3.9	3.9	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9



REPORT NUMBER: P701743 (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°	15.3	14.8	14.3	13.8	13.8	13.8	13.8	13.8	13.3	12.8	12.3
87.5°	10.2	11.6	12.8	13.8	13.0	12.3	11.6	10.9	11.3	11.6	11.8
85°	19.3	19.9	20.7	21.7	20.4	18.7	17.2	15.9	16.2	16.3	16.3
82.5°	32.9	31.2	30.3	29.7	29.5	28.6	26.9	24.5	22.2	21.1	20.7
80°	58.4	52.3	46.7	42.1	39.5	38.6	37.5	34.9	29.6	26.0	24.0
77.5°	82.0	73.4	65.6	57.9	51.0	46.4	44.0	42.9	36.7	30.6	26.6
75°	103.4	92.2	81.7	71.5	61.5	53.4	47.8	44.2	39.4	34.6	28.9
72.5°	117.8	105.8	95.0	83.7	70.8	60.0	51.5	45.4	40.4	35.5	30.6
70°	127.8	116.1	103.8	91.0	78.2	65.9	55.1	47.7	41.5	36.4	31.4
67.5°	133.9	120.7	108.6	97.0	83.9	70.8	58.3	50.3	43.8	37.2	32.1
65°	120.4	116.1	111.2	98.8	87.1	75.2	61.9	53.1	46.0	39.2	32.7
62.5°	103.0	103.0	100.1	97.1	87.9	76.5	65.6	56.5	48.2	41.1	34.0
60°	81.5	85.2	88.1	87.3	84.2	76.4	66.9	59.7	50.9	42.8	35.6
57.5°	65.8	68.4	74.0	77.3	76.4	72.8	67.7	61.3	53.2	44.7	37.1
55°	53.8	58.5	63.0	67.0	68.8	66.7	67.4	62.3	55.1	46.4	38.9
52.5°	47.7	52.3	56.9	59.6	61.6	62.6	65.6	63.3	56.1	47.9	40.8
50°	45.9	50.7	54.1	56.2	56.4	61.1	65.0	63.6	57.1	49.0	42.9
47.5°	52.8	56.8	55.6	55.4	55.2	61.2	65.8	64.7	58.2	50.0	45.3
45°	78.5	72.0	64.6	59.1	59.2	65.5	68.0	66.7	60.3	52.8	47.8
42.5°	124.4	111.8	85.5	64.7	75.9	72.7	71.5	70.0	63.0	56.1	50.6
40°	251.8	176.2	121.8	112.9	104.2	82.2	79.4	74.5	66.7	60.3	53.8
37.5°	429.3	311.0	197.3	201.5	155.3	117.0	89.2	79.9	73.2	65.7	57.2
35°	737.1	519.0	411.2	366.0	263.0	159.9	100.4	87.7	81.0	71.3	60.9
32.5°	1117.8	911.8	804.9	616.5	397.7	210.7	131.3	102.2	89.8	77.2	64.8
30°	1761.1	1590.7	1290.3	924.0	587.8	335.6	185.7	118.9	99.5	83.3	69.0
27.5°	2731.3	2391.4	1881.3	1368.1	881.0	487.5	265.9	137.6	110.0	90.3	74.0
25°	3787.8	3298.8	2650.9	1896.3	1211.3	728.8	364.0	160.2	124.0	98.7	79.0
22.5°	4954.9	4236.6	3500.3	2473.7	1577.9	1009.0	520.1	235.1	140.4	107.5	84.0
20°	6073.2	5191.3	4349.6	2926.9	1969.3	1335.0	737.7	319.0	157.5	116.4	89.0
17.5°	7159.3	5975.1	4808.8	3420.6	2353.1	1642.9	972.8	409.9	175.1	125.5	93.9
15°	7899.8	6498.7	5238.5	3861.4	2696.0	1932.4	1220.1	505.5	193.0	134.6	101.3
12.5°	8467.3	6973.1	5648.9	4249.7	2999.8	2203.5	1473.7	603.4	210.9	148.7	112.1
10°	8954.7	7397.2	6033.7	4586.2	3266.9	2456.0	1727.2	695.7	238.6	166.9	122.8
7.5°	9363.8	7770.2	6386.8	4872.0	3485.1	2622.7	1882.6	770.7	267.2	185.0	133.4
5°	9683.0	8046.5	6665.8	5066.6	3598.6	2697.7	2000.2	836.2	295.0	202.8	143.8
2.5°	9873.0	8196.7	6876.8	5211.3	3689.2	2752.9	2091.6	891.3	321.6	220.0	153.8
0°	9997.0	8293.7	7035.5	5310.6	3755.0	2790.2	2156.1	935.3	346.6	236.3	163.4
-2.5°	10044.2	8308.1	7058.4	5437.2	3888.7	2905.5	2218.8	1057.4	463.6	316.5	214.8
-5°	10018.1	8278.4	7034.9	5516.9	3994.4	3001.6	2258.2	1167.5	576.8	394.4	265.0
-7.5°	9705.0	8103.7	6913.4	5528.9	4070.6	3075.0	2278.7	1265.6	684.7	468.7	313.0
-10°	9286.9	7823.0	6661.0	5362.5	4062.5	3119.3	2289.5	1351.8	785.6	538.3	358.2
-12.5°	8823.1	7505.6	6387.0	5180.8	4025.7	3143.3	2319.6	1432.2	877.9	602.1	400.0
-15°	8321.2	7154.1	6098.9	4993.3	3974.6	3155.4	2335.9	1501.0	961.2	662.7	437.5
-17.5°	7827.4	6770.9	5803.8	4808.7	3912.3	3157.6	2340.5	1554.3	1035.0	721.0	477.7
-20°	7559.1	6492.5	5513.8	4634.8	3841.7	3151.7	2335.4	1591.3	1098.1	772.5	518.7



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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°	7291.2	6310.1	5374.5	4511.5	3782.1	3139.4	2322.5	1611.8	1150.0	816.5	554.5
-25°	7009.6	6118.3	5239.7	4424.2	3742.3	3094.3	2316.0	1615.3	1189.7	852.6	584.4
-27.5°	6760.4	5924.4	5083.7	4303.2	3664.1	3046.7	2305.8	1653.6	1221.0	880.3	608.3
-30°	6527.0	5728.7	4918.6	4161.3	3557.7	2931.6	2275.4	1677.8	1248.9	904.0	625.8
-32.5°	6285.9	5514.0	4719.9	4022.8	3416.5	2800.9	2189.8	1685.1	1265.5	921.7	640.8
-35°	6004.8	5253.8	4487.9	3851.0	3258.1	2666.1	2094.0	1675.2	1270.5	930.5	650.2
-37.5°	5685.7	4949.2	4268.7	3657.4	3088.5	2521.2	2024.2	1625.7	1263.8	930.2	652.8
-40°	5332.8	4644.7	4017.3	3460.9	2916.4	2366.9	1941.2	1573.5	1252.1	920.6	648.3
-42.5°	4961.6	4347.5	3777.2	3252.5	2738.0	2259.4	1848.3	1511.4	1209.5	906.0	636.7
-45°	4614.5	4045.0	3528.5	3041.0	2559.5	2138.7	1768.1	1441.3	1155.8	884.3	620.9
-47.5°	4256.6	3752.9	3276.6	2817.4	2408.2	2012.5	1676.9	1371.6	1094.7	852.7	602.6
-50°	3919.0	3459.2	3023.1	2616.2	2235.7	1898.1	1578.3	1293.1	1033.4	800.0	578.3
-52.5°	3601.3	3175.3	2783.5	2414.0	2082.7	1772.0	1479.1	1207.0	965.3	748.6	548.2
-55°	3285.8	2905.0	2549.5	2227.1	1926.7	1644.0	1370.5	1120.4	890.5	694.8	513.1
-57.5°	2982.2	2637.1	2334.8	2045.1	1766.9	1506.2	1258.8	1026.2	817.8	635.9	479.2
-60°	2676.9	2397.4	2125.0	1855.8	1600.0	1363.8	1142.1	928.5	741.6	574.2	436.5
-62.5°	2400.4	2149.7	1903.2	1656.8	1430.0	1218.7	1019.7	831.8	659.7	516.6	389.1
-65°	2116.9	1892.1	1670.8	1459.7	1258.0	1069.9	898.5	728.8	583.8	455.4	342.4
-67.5°	1830.0	1633.8	1445.9	1258.5	1087.3	925.5	770.7	632.9	506.7	391.0	302.1
-70°	1543.6	1374.0	1220.1	1068.8	919.3	778.4	655.6	537.8	426.1	338.7	259.8
-72.5°	1263.4	1131.0	1004.2	877.2	757.8	645.1	539.6	443.1	360.4	284.5	215.8
-75°	992.6	893.3	797.9	700.9	601.3	509.0	434.2	363.0	292.7	228.4	177.5
-77.5°	751.8	673.3	596.7	529.2	460.6	396.4	336.8	280.5	226.5	181.0	140.6
-80°	529.6	478.6	429.0	380.1	328.9	281.5	243.8	207.2	168.3	133.4	102.6
-82.5°	329.4	300.4	273.3	246.1	216.6	188.4	161.6	135.9	108.9	84.9	70.6
-85°	180.8	163.3	145.9	128.6	111.0	94.4	86.4	78.5	68.9	59.8	51.3
-87.5°	75.4	71.1	66.7	62.4	58.2	54.2	50.2	46.2	41.2	36.4	31.8
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.4	6.9	7.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.8	11.3	10.8	10.3	9.8	8.9	7.9
87.5°	12.0	11.4	10.9	10.6	10.5	9.1	7.9
85°	16.0	14.3	12.9	11.9	11.2	9.4	7.9
82.5°	20.0	17.2	15.0	13.2	11.8	9.7	7.9
80°	23.6	20.1	17.0	14.4	12.5	10.0	7.9
77.5°	24.5	22.1	18.9	15.6	13.2	10.3	7.9
75°	25.3	22.5	20.5	16.8	13.8	10.6	7.9
72.5°	26.0	22.9	20.5	18.0	14.4	10.9	7.9
70°	26.7	23.2	20.6	18.9	15.0	11.1	7.9
67.5°	27.5	23.4	20.5	18.7	15.6	11.4	7.9
65°	28.3	23.8	20.5	18.5	16.1	11.6	7.9
62.5°	29.1	24.6	20.3	18.3	16.7	11.9	7.9
60°	29.9	25.4	20.1	18.1	17.2	12.1	7.9
57.5°	31.4	26.2	20.8	17.8	17.0	12.3	7.9
55°	32.9	26.9	21.5	17.5	16.9	12.5	7.9
52.5°	34.5	27.8	22.1	17.2	16.7	12.7	7.9
50°	35.9	29.0	22.8	16.8	16.6	12.9	7.9
47.5°	37.5	30.3	23.4	16.6	16.5	13.1	7.9
45°	39.7	31.4	24.0	17.1	16.5	13.2	7.9
42.5°	42.0	32.6	24.6	17.5	16.4	13.4	7.9
40°	44.4	33.6	25.3	18.2	16.4	13.5	7.9
37.5°	46.9	34.7	26.1	19.2	16.4	13.6	7.9
35°	49.4	36.3	26.9	20.1	16.4	13.7	7.9
32.5°	52.1	38.2	27.5	21.1	16.4	13.8	7.9
30°	55.2	40.1	28.2	22.1	16.5	13.9	7.9
27.5°	58.3	42.0	30.2	23.1	16.5	14.0	7.9
25°	61.4	43.8	32.5	24.2	16.6	14.0	7.9
22.5°	64.6	46.6	34.9	25.2	16.7	14.1	7.9
20°	67.7	51.6	37.4	26.3	16.8	14.1	7.9
17.5°	73.5	56.7	39.9	27.3	16.9	14.1	7.9
15°	80.9	61.8	42.5	28.3	17.0	14.1	7.9
12.5°	88.2	66.9	45.1	29.3	17.2	14.1	7.9
10°	95.4	72.0	47.7	30.3	17.3	14.0	7.9
7.5°	102.5	76.9	50.2	31.2	17.4	14.0	7.9
5°	109.3	81.7	52.6	32.0	17.5	13.9	7.9
2.5°	115.9	86.3	54.9	32.8	17.6	13.9	7.9
0°	122.1	90.6	57.1	33.5	17.7	13.8	7.9
-2.5°	152.7	108.3	66.4	37.6	19.1	14.1	7.9
-5°	182.6	125.4	75.3	41.6	20.4	14.3	7.9
-7.5°	211.3	141.9	83.9	45.3	21.7	14.5	7.9
-10°	238.5	157.3	92.0	48.9	23.0	14.7	7.9
-12.5°	263.8	171.6	99.5	52.2	24.1	14.9	7.9
-15°	286.9	184.6	106.3	55.2	25.3	15.1	7.9
-17.5°	307.4	196.0	112.3	57.9	26.3	15.2	7.9
-20°	329.8	205.7	117.4	60.2	27.2	15.4	7.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	356.6	213.6	121.6	62.0	28.0	15.5	7.9
-25°	379.4	225.6	124.8	63.5	28.7	15.5	7.9
-27.5°	398.0	237.8	126.9	64.5	29.3	15.6	7.9
-30°	412.0	247.3	128.4	65.0	29.8	15.6	7.9
-32.5°	421.4	253.9	133.2	65.0	30.1	15.6	7.9
-35°	428.1	257.6	136.4	64.5	30.3	15.6	7.9
-37.5°	431.3	259.4	137.8	63.4	30.3	15.6	7.9
-40°	430.1	260.3	137.5	61.8	30.2	15.5	7.9
-42.5°	424.3	258.4	136.8	60.4	29.9	15.4	7.9
-45°	414.1	253.7	136.0	59.7	29.5	15.2	7.9
-47.5°	399.3	246.1	133.6	58.2	29.0	15.1	7.9
-50°	384.7	235.8	129.9	57.7	28.3	14.9	7.9
-52.5°	366.8	222.7	124.6	57.1	27.4	14.6	7.9
-55°	345.1	211.6	118.0	55.8	26.4	14.4	7.9
-57.5°	319.6	199.4	110.0	54.0	25.3	14.1	7.9
-60°	291.6	185.0	101.0	51.5	24.0	13.8	7.9
-62.5°	268.2	168.8	94.7	48.5	23.1	13.5	7.9
-65°	242.2	150.7	87.4	44.9	22.2	13.1	7.9
-67.5°	213.8	133.9	79.1	40.8	21.2	12.8	7.9
-70°	183.2	118.7	70.1	36.3	20.1	12.4	7.9
-72.5°	157.6	102.4	60.2	33.2	18.9	12.0	7.9
-75°	131.5	84.9	49.7	30.4	17.7	11.6	7.9
-77.5°	104.0	66.5	43.0	27.3	16.5	11.1	7.9
-80°	75.4	53.4	36.9	24.1	15.2	10.7	7.9
-82.5°	58.7	43.2	30.6	20.8	13.9	10.3	7.9
-85°	43.3	32.7	24.1	17.3	12.5	9.8	7.9
-87.5°	27.6	22.1	17.5	13.8	11.2	9.3	7.9
-90°	7.9	8.4	8.9	9.3	9.8	8.9	7.9

(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

