

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: P701647 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701647 (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-40-80-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

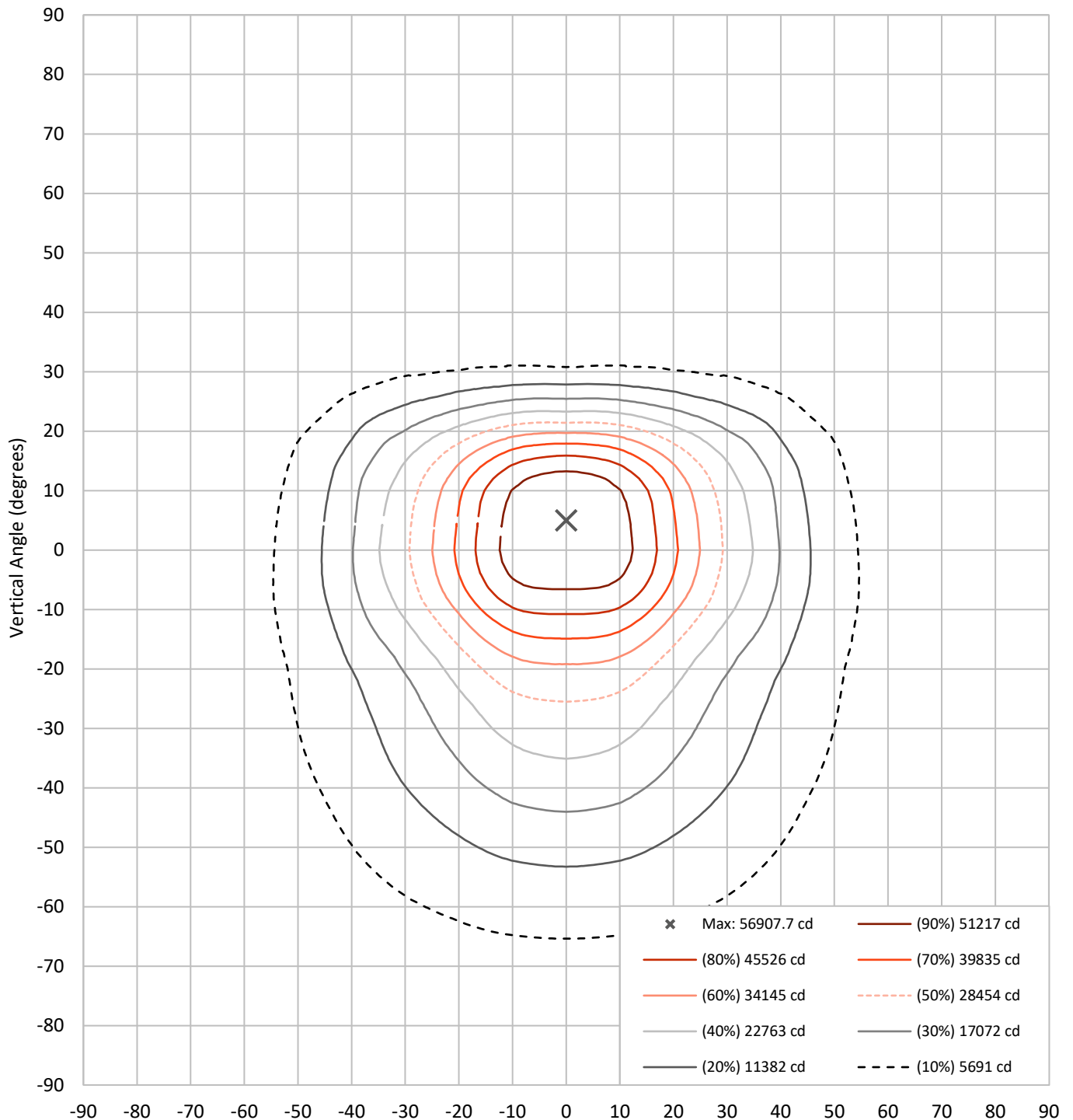
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	55760 lumens	Max Intensity:	56907.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	79.9 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:	26819.4 lumens	Field Lumens:	51691.1 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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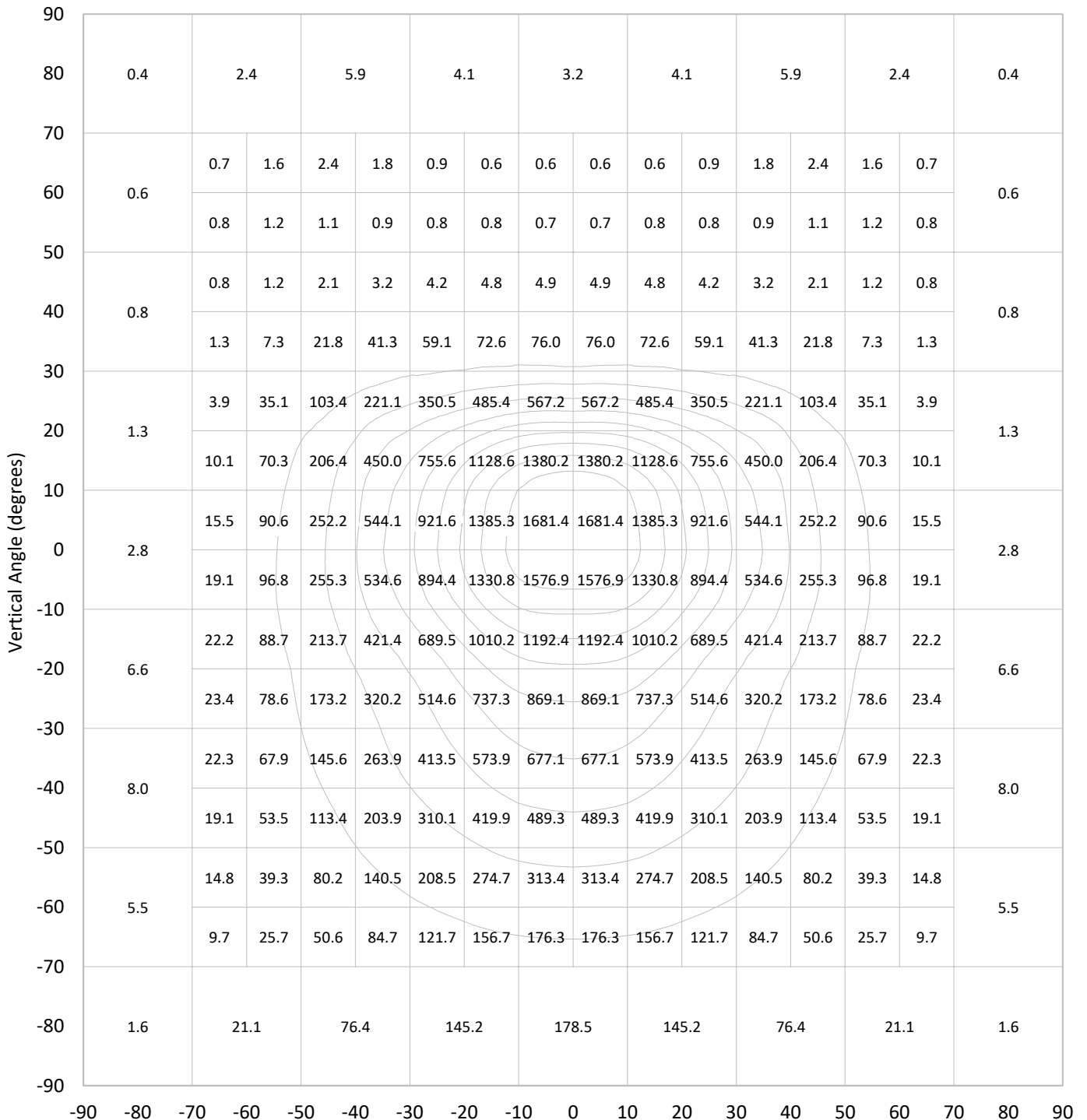
Iso-Candela Plot





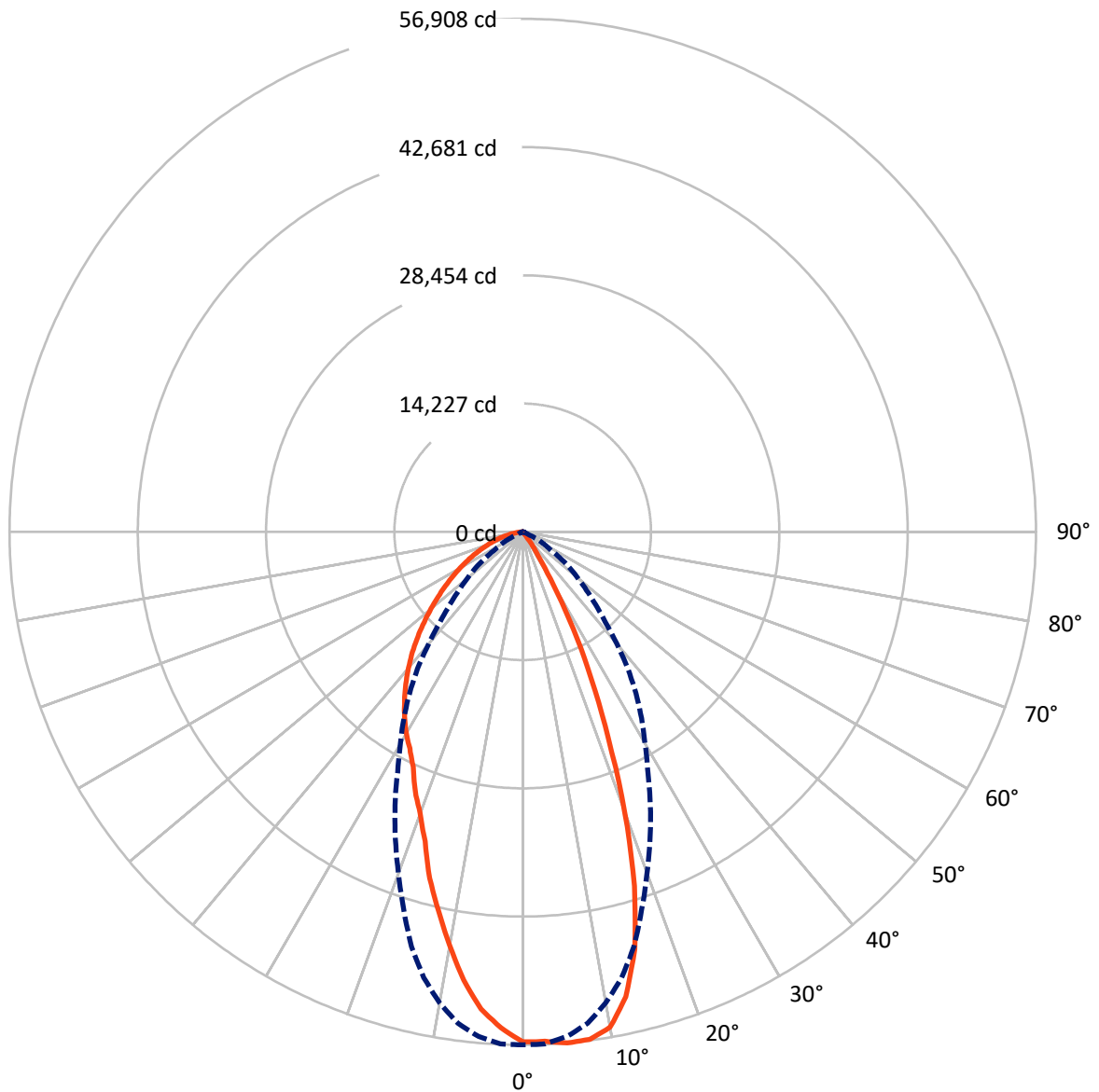
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Lumen Table



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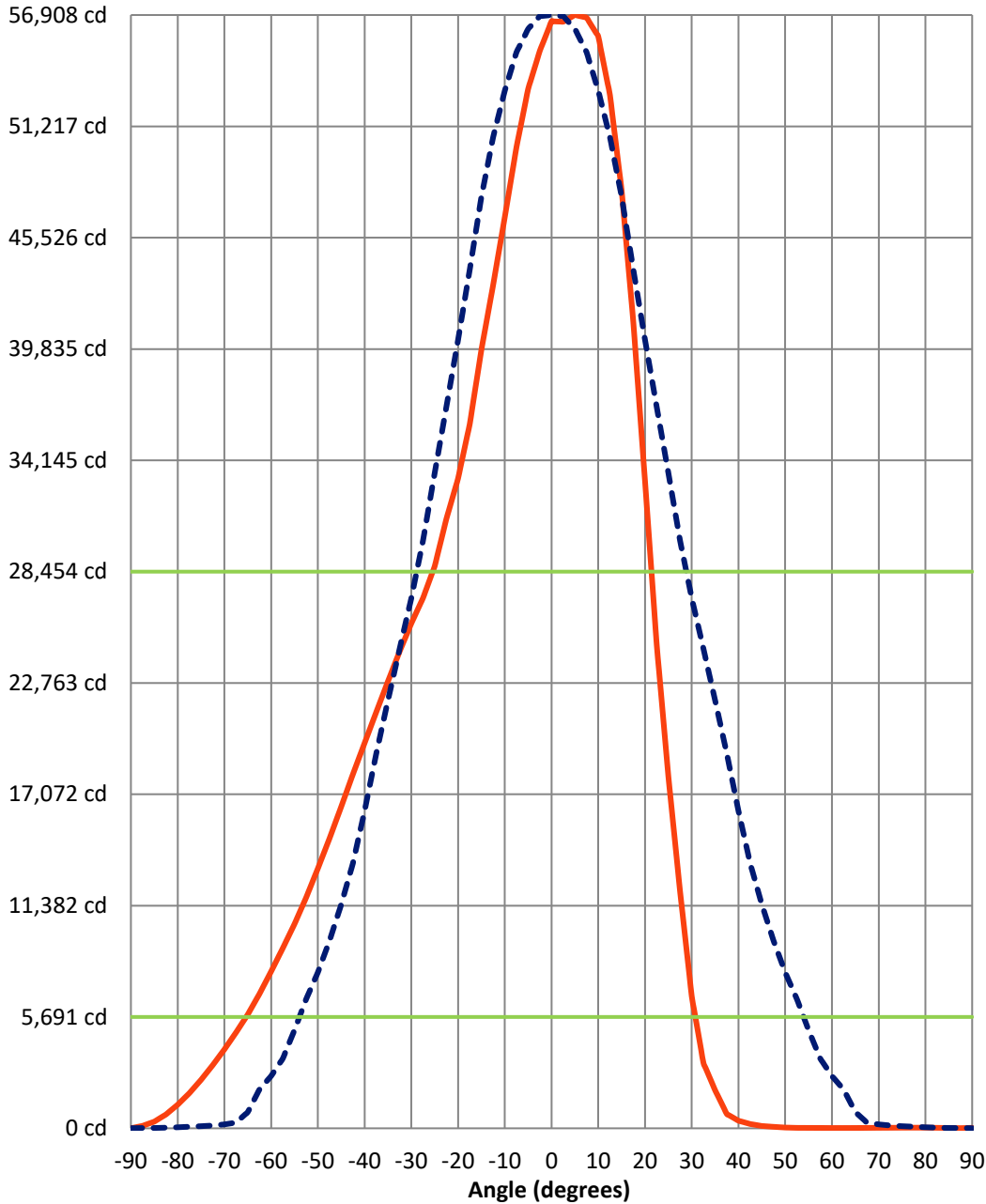
Luminous Intensity Polar Plot



— 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: 26819.4
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 51691.1
 Efficiency: 92.7%

Spill:
 Lumens: 4068.9
 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°	7.8	8.8	9.8	10.3	10.8	11.2	11.7	12.2	12.7	13.2	13.7
87.5°	7.8	9.1	10.5	10.6	10.8	11.3	11.8	11.7	11.5	11.2	10.9
85°	7.8	9.4	11.1	11.8	12.9	14.2	15.9	16.1	16.2	16.1	15.8
82.5°	7.8	9.7	11.8	13.1	14.9	17.1	19.8	20.6	20.9	22.0	24.3
80°	7.8	10.0	12.5	14.3	16.8	20.0	23.4	23.8	25.7	29.3	34.6
77.5°	7.8	10.3	13.1	15.6	18.8	22.0	24.3	26.3	30.3	36.4	42.5
75°	7.8	10.5	13.7	16.7	20.3	22.3	25.1	28.6	34.2	39.0	43.7
72.5°	7.8	10.8	14.3	17.9	20.4	22.7	25.8	30.3	35.2	40.0	44.9
70°	7.8	11.1	14.9	18.8	20.4	22.9	26.4	31.1	36.0	41.0	47.2
67.5°	7.8	11.3	15.5	18.6	20.3	23.1	27.2	31.7	36.9	43.3	49.8
65°	7.8	11.6	16.0	18.4	20.2	23.6	28.0	32.4	38.8	45.5	52.6
62.5°	7.8	11.8	16.6	18.2	20.1	24.4	28.8	33.7	40.7	47.8	56.0
60°	7.8	12.0	17.1	17.9	19.9	25.1	29.6	35.2	42.4	50.4	59.2
57.5°	7.8	12.2	16.9	17.6	20.6	25.9	31.1	36.7	44.2	52.7	60.7
55°	7.8	12.4	16.8	17.3	21.2	26.7	32.6	38.5	45.9	54.6	61.7
52.5°	7.8	12.6	16.6	17.0	21.9	27.5	34.1	40.4	47.4	55.6	62.7
50°	7.8	12.8	16.5	16.6	22.6	28.8	35.6	42.5	48.5	56.6	63.0
47.5°	7.8	13.0	16.4	16.4	23.2	30.0	37.1	44.8	49.5	57.6	64.1
45°	7.8	13.2	16.3	16.9	23.8	31.2	39.3	47.3	52.3	59.7	66.1
42.5°	7.8	13.3	16.3	17.3	24.4	32.3	41.6	50.1	55.6	62.4	69.4
40°	7.8	13.4	16.3	18.0	25.1	33.3	44.0	53.3	59.8	66.1	73.8
37.5°	7.8	13.5	16.3	19.0	25.9	34.3	46.4	56.7	65.1	72.5	79.2
35°	7.8	13.7	16.3	19.9	26.6	35.9	48.9	60.3	70.7	80.3	86.9
32.5°	7.8	13.7	16.3	20.9	27.3	37.8	51.6	64.2	76.5	89.0	101.3
30°	7.8	13.8	16.3	21.9	27.9	39.7	54.6	68.4	82.6	98.6	117.8
27.5°	7.8	13.9	16.4	22.9	29.9	41.6	57.7	73.3	89.5	109.0	136.3
25°	7.8	13.9	16.5	24.0	32.2	43.4	60.8	78.3	97.8	122.8	158.7
22.5°	7.8	14.0	16.6	25.0	34.6	46.1	64.0	83.2	106.5	139.0	232.9
20°	7.8	14.0	16.7	26.0	37.0	51.1	67.1	88.2	115.3	156.0	316.0
17.5°	7.8	14.0	16.8	27.1	39.6	56.1	72.8	93.0	124.3	173.5	406.0
15°	7.8	14.0	16.9	28.1	42.1	61.2	80.1	100.4	133.4	191.2	500.7
12.5°	7.8	14.0	17.0	29.1	44.7	66.3	87.4	111.0	147.3	208.9	597.6
10°	7.8	13.9	17.2	30.0	47.2	71.3	94.5	121.7	165.3	236.3	689.0
7.5°	7.8	13.9	17.3	30.9	49.7	76.2	101.5	132.2	183.2	264.7	763.3
5°	7.8	13.8	17.4	31.7	52.2	80.9	108.2	142.5	200.8	292.2	828.2
2.5°	7.8	13.8	17.5	32.5	54.5	85.4	114.7	152.4	217.9	318.5	882.9
0°	7.8	13.7	17.6	33.2	56.6	89.7	120.9	161.9	234.0	343.3	926.4
-2.5°	7.8	13.9	19.0	37.3	65.8	107.2	151.2	212.8	313.4	459.2	1047.3
-5°	7.8	14.2	20.3	41.2	74.7	124.2	180.8	262.5	390.6	571.4	1156.4
-7.5°	7.8	14.4	21.6	44.9	83.2	140.5	209.2	310.0	464.2	678.2	1253.6
-10°	7.8	14.6	22.8	48.5	91.2	155.8	236.2	354.8	533.2	778.1	1339.0
-12.5°	7.8	14.8	24.0	51.7	98.6	170.0	261.3	396.2	596.4	869.6	1418.6
-15°	7.8	15.0	25.1	54.7	105.3	182.8	284.1	433.4	656.3	952.1	1486.8
-17.5°	7.8	15.1	26.1	57.3	111.3	194.1	304.4	473.1	714.2	1025.1	1539.5
-20°	7.8	15.2	27.0	59.6	116.4	203.8	326.6	513.8	765.1	1087.7	1576.2



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	15.3	27.8	61.5	120.5	211.6	353.2	549.2	808.7	1139.0	1596.5
-25°	7.8	15.4	28.5	62.9	123.7	223.5	375.8	578.9	844.4	1178.4	1600.0
-27.5°	7.8	15.5	29.1	63.9	125.8	235.6	394.2	602.5	871.9	1209.4	1637.9
-30°	7.8	15.5	29.6	64.4	127.2	244.9	408.1	619.9	895.3	1237.1	1661.9
-32.5°	7.8	15.5	29.9	64.4	132.0	251.5	417.4	634.7	912.9	1253.5	1669.1
-35°	7.8	15.5	30.1	63.9	135.1	255.2	424.1	644.0	921.6	1258.5	1659.4
-37.5°	7.8	15.4	30.1	62.9	136.6	256.9	427.2	646.6	921.3	1251.8	1610.3
-40°	7.8	15.4	30.0	61.3	136.2	257.8	426.0	642.1	911.8	1240.2	1558.5
-42.5°	7.8	15.2	29.7	59.9	135.5	256.0	420.3	630.7	897.4	1198.0	1497.0
-45°	7.8	15.1	29.3	59.2	134.7	251.3	410.1	615.0	875.9	1144.8	1427.6
-47.5°	7.8	14.9	28.7	57.7	132.4	243.8	395.5	596.9	844.7	1084.3	1358.6
-50°	7.8	14.7	28.0	57.2	128.7	233.6	381.0	572.8	792.4	1023.7	1280.8
-52.5°	7.8	14.5	27.2	56.6	123.5	220.6	363.3	542.9	741.5	956.2	1195.5
-55°	7.8	14.3	26.2	55.4	116.9	209.7	341.8	508.1	688.2	882.1	1109.7
-57.5°	7.8	14.0	25.1	53.5	109.0	197.5	316.6	474.6	629.8	810.1	1016.4
-60°	7.8	13.7	23.8	51.1	100.1	183.3	288.8	432.3	568.7	734.5	919.7
-62.5°	7.8	13.4	23.0	48.1	93.8	167.2	265.7	385.4	511.6	653.4	823.9
-65°	7.8	13.1	22.0	44.5	86.6	149.3	240.0	339.2	451.1	578.2	721.9
-67.5°	7.8	12.7	21.0	40.5	78.4	132.7	211.8	299.3	387.4	501.9	626.8
-70°	7.8	12.3	19.9	36.0	69.4	117.6	181.5	257.4	335.5	422.0	532.7
-72.5°	7.8	11.9	18.8	33.0	59.7	101.4	156.1	213.8	281.8	356.9	438.9
-75°	7.8	11.5	17.6	30.1	49.3	84.1	130.2	175.8	226.2	289.9	359.6
-77.5°	7.8	11.1	16.4	27.1	42.6	65.9	103.0	139.2	179.3	224.3	277.8
-80°	7.8	10.6	15.1	23.9	36.6	52.9	74.7	101.6	132.1	166.7	205.1
-82.5°	7.8	10.2	13.8	20.6	30.3	42.8	58.1	69.9	84.0	107.8	134.6
-85°	7.8	9.7	12.5	17.2	23.9	32.4	42.8	50.8	59.2	68.2	77.7
-87.5°	7.8	9.3	11.2	13.8	17.3	21.9	27.3	31.5	36.0	40.8	45.8
-90°	7.8	8.8	9.8	9.3	8.8	8.3	7.8	7.3	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°	13.7	13.7	13.7	13.7	14.2	14.7	15.1	15.6	16.6	17.6	18.5
87.5°	11.5	12.2	12.9	13.7	12.7	11.5	10.2	8.7	9.1	9.6	10.1
85°	17.1	18.5	20.2	21.5	20.5	19.7	19.1	18.7	19.7	20.6	21.2
82.5°	26.7	28.3	29.2	29.5	30.0	30.9	32.6	36.1	38.3	39.8	40.6
80°	37.2	38.3	39.1	41.7	46.3	51.8	57.9	64.5	66.8	67.0	66.2
77.5°	43.6	45.9	50.5	57.3	65.0	72.7	81.2	90.4	93.1	92.3	90.5
75°	47.4	52.9	60.9	70.8	80.9	91.3	102.4	112.8	115.7	112.4	108.1
72.5°	51.0	59.5	70.2	83.0	94.1	104.8	116.7	129.7	134.3	127.6	119.8
70°	54.6	65.3	77.5	90.2	102.8	115.0	126.6	139.1	146.5	136.2	120.4
67.5°	57.7	70.1	83.1	96.1	107.6	119.6	132.6	137.9	141.3	124.5	106.6
65°	61.4	74.5	86.3	97.9	110.2	115.0	119.3	123.9	123.2	104.1	85.0
62.5°	65.0	75.8	87.1	96.2	99.1	102.1	102.1	99.2	94.5	81.4	65.0
60°	66.3	75.7	83.4	86.5	87.2	84.4	80.8	77.1	71.4	60.3	49.1
57.5°	67.1	72.1	75.7	76.6	73.3	67.8	65.2	59.4	54.5	48.1	38.9
55°	66.7	66.1	68.2	66.4	62.4	57.9	53.3	49.6	43.5	41.5	37.4
52.5°	65.0	62.0	61.1	59.0	56.4	51.8	47.3	44.2	42.7	40.3	36.9
50°	64.4	60.5	55.9	55.7	53.6	50.2	45.4	44.8	44.9	42.8	38.8
47.5°	65.2	60.6	54.7	54.8	55.1	56.3	52.3	50.5	51.2	56.9	50.8
45°	67.4	64.9	58.7	58.6	64.0	71.3	77.8	59.9	78.0	87.0	94.1
42.5°	70.9	72.0	75.2	64.1	84.7	110.7	123.3	129.7	123.0	151.4	180.8
40°	78.7	81.5	103.3	111.8	120.6	174.6	249.4	266.9	202.8	282.0	330.9
37.5°	88.4	115.9	153.8	199.5	195.4	308.1	425.2	515.1	506.2	478.6	685.4
35°	99.5	158.4	260.5	362.5	407.3	514.1	730.1	886.6	979.7	1035.9	1206.2
32.5°	130.1	208.6	393.9	610.7	797.3	903.2	1107.2	1450.2	1774.8	1968.6	1966.8
30°	183.9	332.4	582.2	915.3	1278.1	1575.6	1744.4	2185.2	2803.8	3243.9	3537.1
27.5°	263.3	482.9	872.7	1355.2	1863.5	2368.7	2705.4	3278.2	4110.7	4781.3	5407.6
25°	360.5	721.9	1199.9	1878.3	2625.7	3267.5	3751.9	4548.1	5602.9	6654.6	7702.5
22.5°	515.1	999.4	1562.9	2450.2	3467.0	4196.4	4907.9	5878.4	7098.3	8574.9	10172.6
20°	730.6	1322.4	1950.6	2899.1	4308.3	5142.0	6015.5	7173.8	8596.7	10391.2	12524.4
17.5°	963.5	1627.3	2330.8	3388.1	4763.1	5918.4	7091.2	8411.3	10005.8	12087.6	14385.5
15°	1208.5	1914.1	2670.4	3824.7	5188.8	6437.0	7824.8	9541.6	11422.0	13673.3	16077.0
12.5°	1459.7	2182.6	2971.3	4209.4	5595.2	6906.8	8386.9	10172.4	12360.0	15000.8	17524.2
10°	1710.8	2432.8	3235.9	4542.7	5976.4	7326.9	8869.6	10696.5	12922.1	15567.9	18295.4
7.5°	1864.7	2597.8	3452.0	4825.7	6326.1	7696.4	9274.8	11117.5	13311.5	15973.4	18784.4
5°	1981.2	2672.1	3564.4	5018.4	6602.5	7970.1	9591.0	11440.1	13546.0	16220.5	19155.8
2.5°	2071.8	2726.7	3654.2	5161.8	6811.4	8118.9	9779.2	11646.6	13790.2	16527.6	19530.7
0°	2135.6	2763.7	3719.3	5260.1	6968.6	8214.9	9902.0	11770.4	13960.7	16794.6	19864.5
-2.5°	2197.7	2877.9	3851.8	5385.5	6991.3	8229.2	9948.7	11775.5	13960.6	16742.8	19726.1
-5°	2236.7	2973.1	3956.4	5464.5	6968.1	8199.8	9923.0	11704.8	13808.6	16439.2	19213.5
-7.5°	2257.0	3045.8	4032.0	5476.4	6847.8	8026.8	9612.8	11287.8	13306.3	15771.5	18329.5
-10°	2267.8	3089.6	4023.9	5311.6	6597.8	7748.7	9198.7	10803.4	12704.8	14997.2	17364.0
-12.5°	2297.6	3113.4	3987.5	5131.6	6326.4	7434.3	8739.3	10259.0	12007.1	14131.3	16302.8
-15°	2313.7	3125.4	3936.8	4945.9	6041.0	7086.1	8242.2	9659.9	11251.3	13151.4	15078.0
-17.5°	2318.2	3127.6	3875.1	4763.0	5748.7	6706.6	7753.0	9146.5	10595.5	12236.4	13879.4
-20°	2313.2	3121.8	3805.1	4590.8	5461.4	6430.8	7487.2	8702.9	10000.0	11387.5	12756.4



REPORT NUMBER: P701647 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2300.4	3109.6	3746.1	4468.6	5323.4	6250.1	7221.9	8273.8	9390.0	10594.8	11983.1
-25°	2293.9	3064.9	3706.7	4382.2	5189.9	6060.1	6943.0	7877.5	8850.6	10112.4	11436.5
-27.5°	2283.9	3017.7	3629.3	4262.2	5035.4	5868.2	6696.2	7549.2	8548.2	9681.8	10910.6
-30°	2253.8	2903.7	3524.0	4121.8	4871.9	5674.2	6465.0	7275.8	8221.1	9289.9	10429.8
-32.5°	2169.0	2774.2	3384.1	3984.6	4675.1	5461.7	6226.3	7012.5	7889.4	8847.1	9943.7
-35°	2074.1	2640.7	3227.2	3814.4	4445.2	5203.9	5947.8	6707.7	7521.7	8420.2	9442.6
-37.5°	2005.0	2497.2	3059.1	3622.7	4228.1	4902.1	5631.7	6363.2	7133.8	7989.9	8957.0
-40°	1922.7	2344.3	2888.7	3428.1	3979.2	4600.6	5282.1	5984.2	6707.7	7561.4	8447.6
-42.5°	1830.7	2237.9	2711.9	3221.7	3741.4	4306.2	4914.4	5582.5	6308.3	7102.6	7934.7
-45°	1751.3	2118.3	2535.1	3012.1	3495.0	4006.6	4570.7	5168.0	5885.0	6624.0	7396.7
-47.5°	1661.0	1993.4	2385.3	2790.6	3245.5	3717.3	4216.2	4798.0	5434.9	6126.9	6835.7
-50°	1563.3	1880.1	2214.4	2591.3	2994.4	3426.3	3881.8	4412.6	4994.0	5612.3	6264.5
-52.5°	1465.1	1755.2	2062.9	2391.0	2757.1	3145.2	3567.1	4039.8	4554.4	5096.1	5671.7
-55°	1357.5	1628.4	1908.4	2205.9	2525.2	2877.4	3254.6	3677.2	4119.6	4610.7	5094.8
-57.5°	1246.8	1491.9	1750.2	2025.6	2312.6	2612.0	2953.9	3311.8	3711.6	4131.4	4558.5
-60°	1131.2	1350.8	1584.8	1838.2	2104.8	2374.5	2651.5	2968.6	3307.9	3656.8	4038.6
-62.5°	1010.0	1207.2	1416.5	1641.1	1885.1	2129.2	2377.5	2639.9	2914.8	3228.1	3546.6
-65°	889.9	1059.7	1246.0	1445.9	1654.9	1874.2	2096.8	2321.6	2562.1	2820.2	3088.4
-67.5°	763.4	916.7	1076.9	1246.6	1432.2	1618.3	1812.7	2015.8	2220.2	2429.4	2649.6
-70°	649.4	771.0	910.6	1058.7	1208.6	1361.0	1529.0	1703.4	1881.5	2059.4	2242.5
-72.5°	534.5	639.0	750.6	868.9	994.7	1120.3	1251.4	1387.5	1532.1	1681.9	1834.0
-75°	430.1	504.2	595.6	694.2	790.3	884.8	983.2	1093.8	1208.4	1323.8	1439.0
-77.5°	333.6	392.6	456.2	524.2	591.0	666.9	744.7	824.1	906.9	992.1	1078.3
-80°	241.4	278.8	325.7	376.4	425.0	474.1	524.6	576.3	630.3	690.0	754.4
-82.5°	160.0	186.6	214.5	243.7	270.7	297.5	326.3	361.5	397.0	433.4	470.6
-85°	85.6	93.5	109.9	127.3	144.5	161.8	179.0	196.2	213.9	231.0	247.7
-87.5°	49.7	53.6	57.7	61.7	66.1	70.4	74.7	79.0	84.8	90.7	96.6
-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°	19.5	20.0	20.5	21.0	21.5	22.0	22.5	22.9	23.4	23.9	24.4
87.5°	10.6	9.9	9.1	8.3	7.4	9.7	12.2	14.6	17.1	15.8	14.5
85°	21.7	21.8	21.9	22.0	22.1	24.7	27.2	29.7	32.1	29.7	27.0
82.5°	40.8	40.2	38.8	36.8	34.1	33.4	32.6	31.3	29.8	28.5	27.4
80°	64.8	61.5	57.2	52.2	46.5	43.6	40.9	37.9	34.6	33.6	32.9
77.5°	87.1	81.0	73.8	66.1	57.8	52.6	47.9	42.9	37.5	36.0	35.1
75°	102.8	95.1	84.8	73.9	62.3	54.2	47.9	41.5	35.2	33.6	33.4
72.5°	110.9	100.3	87.3	71.9	57.2	47.5	41.5	36.2	31.4	29.6	28.9
70°	104.3	88.2	73.1	58.9	45.9	37.2	33.0	29.2	25.9	25.0	25.5
67.5°	88.1	71.8	58.2	46.0	35.6	28.5	26.0	24.1	22.6	22.1	22.0
65°	68.8	55.2	44.0	34.8	27.3	22.9	22.1	21.3	20.5	19.8	19.2
62.5°	50.8	40.4	33.4	28.1	24.1	21.5	20.8	19.9	18.9	17.9	17.2
60°	39.5	31.4	27.8	25.5	23.6	21.8	21.1	20.7	20.4	20.1	19.5
57.5°	34.4	30.2	27.0	25.6	24.5	23.7	23.3	22.9	22.3	21.4	20.7
55°	33.5	30.3	27.5	26.8	26.3	25.7	25.1	24.4	23.6	22.7	22.4
52.5°	33.6	32.2	30.1	29.1	29.5	28.8	27.1	27.9	28.1	27.3	26.9
50°	38.0	38.4	38.9	35.6	38.9	40.4	38.4	40.0	42.5	42.7	42.6
47.5°	53.9	57.4	62.1	58.5	62.8	69.3	68.7	69.2	75.0	75.8	75.5
45°	85.9	101.4	108.8	113.0	111.4	126.5	129.4	124.5	132.5	134.0	131.7
42.5°	172.0	180.6	200.0	215.3	206.5	222.1	226.7	212.6	226.4	232.6	225.9
40°	385.1	306.2	363.6	403.2	389.3	359.1	411.6	392.8	391.0	412.9	395.7
37.5°	760.3	674.9	733.7	846.7	842.6	700.3	859.1	848.8	713.5	873.8	859.9
35°	1363.6	1521.6	1451.1	1662.5	1723.8	1755.6	1843.7	1934.8	1835.1	1966.4	1962.9
32.5°	2441.6	2769.3	2914.1	2939.9	3211.3	3432.3	3338.7	3693.4	3671.8	3760.5	3851.1
30°	3854.6	4585.0	4954.7	4964.0	5414.1	5810.3	5936.0	6381.2	6644.4	6600.7	7041.6
27.5°	6149.9	6867.6	7476.4	7995.9	8346.7	8971.5	9841.1	10279.9	10926.7	11180.4	11789.9
25°	8743.5	9635.1	10596.3	11500.4	12242.8	13361.9	14444.2	15126.6	16052.1	16777.4	17514.4
22.5°	11553.2	12736.0	13969.2	15321.6	16702.4	18067.7	19382.3	20643.1	21877.0	23240.0	24073.2
20°	14425.8	15762.6	17263.7	19096.6	21012.3	22658.7	24454.3	26431.3	28321.3	30080.5	31409.2
17.5°	16608.7	18677.5	20303.7	22286.5	24665.5	26984.9	29274.0	31881.0	34285.6	36528.5	38528.8
15°	18275.7	20444.3	22801.3	25194.7	27700.8	30462.5	33611.2	36464.0	39434.2	42072.2	44542.7
12.5°	19728.6	21930.3	24397.0	27188.4	30349.4	33314.4	36614.4	40182.1	43333.5	46432.3	48750.3
10°	20801.1	23246.8	25747.5	28554.0	31777.5	35239.1	38815.5	42421.8	45955.4	48946.8	51437.2
7.5°	21392.6	23990.1	26606.4	29537.2	32851.3	36256.3	39828.8	43594.1	47150.9	50231.7	52518.7
5°	21874.1	24514.8	27101.0	30043.4	33496.5	36878.8	40301.3	43894.9	47619.1	50657.8	53037.2
2.5°	22294.4	24870.9	27393.6	30258.5	33817.0	37214.4	40733.2	44458.5	48059.9	50991.1	53307.2
0°	22659.3	25091.4	27558.6	30398.4	34119.7	37558.1	41020.0	44665.3	48333.9	51189.2	53533.6
-2.5°	22395.4	24780.1	27211.1	30113.8	33662.7	37045.1	40526.6	44217.9	47692.9	50585.0	52857.9
-5°	21707.3	24004.4	26418.3	29314.0	32701.6	36014.6	39449.7	43005.3	46271.8	49163.3	51254.0
-7.5°	20701.1	22949.9	25354.5	28204.7	31357.0	34364.0	37433.9	40729.9	43981.2	46534.1	48525.5
-10°	19582.7	21723.0	23936.2	26443.0	29234.3	32042.8	34863.6	37927.6	40792.3	43189.5	45106.4
-12.5°	18254.9	20156.1	22194.0	24380.4	26942.9	29617.9	32307.9	34991.6	37633.8	39790.2	41526.7
-15°	16820.7	18502.0	20363.2	22478.0	24761.2	27121.7	29548.2	32111.1	34490.6	36499.2	38030.3
-17.5°	15405.9	16911.5	18803.2	20726.0	22571.1	24735.6	27148.9	29268.3	31439.7	33243.4	34596.0
-20°	14206.6	15826.3	17471.2	19114.1	20876.6	22981.0	25027.2	27025.3	28955.0	30597.3	31942.2



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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°	13424.7	14847.8	16251.4	17805.4	19597.2	21454.2	23306.2	25122.8	26869.2	28429.3	29708.4
-25°	12713.8	13918.0	15307.9	16885.7	18398.8	20027.7	21776.2	23294.6	24951.2	26364.1	27458.4
-27.5°	12092.3	13284.0	14648.0	16067.1	17435.6	18903.8	20496.4	21945.6	23436.4	24795.0	25749.8
-30°	11551.1	12785.7	14068.3	15366.6	16655.3	18013.8	19397.9	20798.6	22166.4	23398.2	24316.1
-32.5°	11089.9	12248.1	13451.0	14659.1	15834.2	17071.6	18355.6	19643.3	20910.5	21988.3	22886.9
-35°	10565.6	11674.3	12792.1	13877.0	14965.4	16072.2	17263.9	18469.4	19603.2	20587.3	21464.5
-37.5°	9980.5	11048.7	12068.8	13056.5	14065.4	15088.8	16192.6	17300.1	18341.6	19232.3	20068.7
-40°	9398.1	10371.6	11295.5	12217.3	13142.3	14100.6	15099.0	16090.6	17004.8	17847.2	18626.7
-42.5°	8793.0	9645.1	10486.0	11344.2	12197.5	13061.7	13953.6	14855.4	15670.0	16438.4	17129.3
-45°	8182.5	8913.8	9656.6	10442.8	11221.8	11997.8	12769.9	13531.2	14293.9	15009.9	15593.5
-47.5°	7533.4	8193.2	8867.7	9543.5	10241.7	10949.9	11624.9	12283.9	12957.6	13597.5	14079.7
-50°	6878.2	7489.1	8098.8	8694.2	9311.4	9934.4	10549.4	11129.4	11693.8	12238.0	12614.9
-52.5°	6218.3	6783.3	7342.0	7880.5	8416.0	8947.0	9468.1	9982.6	10477.2	10943.6	11242.4
-55°	5591.7	6095.6	6586.7	7057.1	7529.7	7996.0	8455.6	8905.8	9332.6	9733.6	9964.1
-57.5°	5002.3	5441.2	5871.4	6276.3	6671.9	7056.2	7462.4	7871.4	8255.7	8600.3	8786.0
-60°	4428.0	4823.4	5192.5	5531.0	5870.3	6207.8	6550.0	6887.8	7216.7	7502.9	7662.8
-62.5°	3863.3	4201.1	4515.3	4806.5	5086.7	5365.5	5662.3	5947.2	6218.2	6439.1	6574.7
-65°	3368.4	3654.6	3889.9	4121.8	4351.9	4597.1	4843.7	5078.8	5301.5	5474.5	5588.7
-67.5°	2887.3	3122.7	3318.5	3511.0	3703.7	3898.5	4097.1	4289.4	4474.2	4614.1	4713.3
-70°	2430.0	2607.8	2761.2	2917.8	3077.5	3236.8	3396.3	3549.9	3696.5	3803.1	3883.0
-72.5°	1987.6	2125.0	2244.4	2366.0	2486.0	2609.4	2733.0	2851.7	2964.7	3041.1	3097.1
-75°	1553.4	1653.2	1748.9	1841.7	1931.2	2023.0	2113.9	2200.7	2283.0	2340.8	2386.9
-77.5°	1169.6	1240.4	1302.8	1364.0	1423.6	1487.4	1549.7	1608.5	1663.5	1703.7	1737.5
-80°	819.3	865.0	904.8	942.4	977.4	1016.9	1055.6	1092.2	1126.3	1149.8	1168.5
-82.5°	508.4	535.3	559.2	581.2	601.3	622.0	641.2	658.7	674.3	692.7	709.7
-85°	263.7	274.8	285.0	294.4	303.1	311.5	319.2	326.0	332.0	335.3	337.6
-87.5°	102.5	105.1	107.4	109.6	111.6	114.3	116.8	119.1	121.3	123.4	125.2
-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°	24.9	25.4	25.4	25.4	25.4	25.4	24.9	24.4	23.9	23.4	22.9
87.5°	13.1	11.7	10.7	9.8	10.7	11.7	13.1	14.5	15.8	17.1	14.6
85°	24.3	21.4	19.5	17.6	19.5	21.4	24.3	27.0	29.7	32.1	29.7
82.5°	26.4	25.4	25.4	25.4	25.4	25.4	26.4	27.4	28.5	29.8	31.3
80°	32.0	31.1	32.2	33.2	32.2	31.1	32.0	32.9	33.6	34.6	37.9
77.5°	34.2	33.2	33.2	33.2	33.2	33.2	34.2	35.1	36.0	37.5	42.9
75°	33.3	33.2	32.2	31.2	32.2	33.2	33.3	33.4	33.6	35.2	41.5
72.5°	28.2	27.5	27.3	27.3	27.3	27.5	28.2	28.9	29.6	31.4	36.2
70°	26.3	27.2	26.4	25.4	26.4	27.2	26.3	25.5	25.0	25.9	29.2
67.5°	21.9	21.7	21.5	21.5	21.5	21.7	21.9	22.0	22.1	22.6	24.1
65°	18.5	17.9	17.6	17.6	17.6	17.9	18.5	19.2	19.8	20.5	21.3
62.5°	16.5	15.8	15.6	15.6	15.6	15.8	16.5	17.2	17.9	18.9	19.9
60°	18.7	17.8	16.7	15.6	16.7	17.8	18.7	19.5	20.1	20.4	20.7
57.5°	20.1	19.6	19.5	19.5	19.5	19.6	20.1	20.7	21.4	22.3	22.9
55°	22.0	21.6	21.5	21.5	21.5	21.6	22.0	22.4	22.7	23.6	24.4
52.5°	26.4	25.6	24.6	23.4	24.6	25.6	26.4	26.9	27.3	28.1	27.9
50°	41.7	39.7	38.7	39.0	38.7	39.7	41.7	42.6	42.7	42.5	40.0
47.5°	77.0	77.0	76.6	76.1	76.6	77.0	77.0	75.5	75.8	75.0	69.2
45°	131.1	125.8	120.8	119.0	120.8	125.8	131.1	131.7	134.0	132.5	124.5
42.5°	230.3	229.1	225.1	220.4	225.1	229.1	230.3	225.9	232.6	226.4	212.6
40°	400.2	394.8	385.5	388.1	385.5	394.8	400.2	395.7	412.9	391.0	392.8
37.5°	833.5	793.5	732.9	733.3	732.9	793.5	833.5	859.9	873.8	713.5	848.8
35°	1951.0	1983.8	1945.0	1944.5	1945.0	1983.8	1951.0	1962.9	1966.4	1835.1	1934.8
32.5°	3733.6	3679.4	3459.4	3344.9	3459.4	3679.4	3733.6	3851.1	3760.5	3671.8	3693.4
30°	7033.8	7068.7	6739.0	6746.3	6739.0	7068.7	7033.8	7041.6	6600.7	6644.4	6381.2
27.5°	12035.7	12303.5	12233.1	12115.7	12233.1	12303.5	12035.7	11789.9	11180.4	10926.7	10279.9
25°	17997.8	18199.5	18064.4	17982.4	18064.4	18199.5	17997.8	17514.4	16777.4	16052.1	15126.6
22.5°	24882.2	25163.1	25092.5	24736.5	25092.5	25163.1	24882.2	24073.2	23240.0	21877.0	20643.1
20°	32503.5	32984.5	33263.9	33084.0	33263.9	32984.5	32503.5	31409.2	30080.5	28321.3	26431.3
17.5°	39949.4	40569.7	41045.3	41205.3	41045.3	40569.7	39949.4	38528.8	36528.5	34285.6	31881.0
15°	46210.5	47097.5	47722.3	47943.8	47722.3	47097.5	46210.5	44542.7	42072.2	39434.2	36464.0
12.5°	50703.7	51858.3	52590.9	52811.0	52590.9	51858.3	50703.7	48750.3	46432.3	43333.5	40182.1
10°	53174.5	54629.8	55463.8	55811.6	55463.8	54629.8	53174.5	51437.2	48946.8	45955.4	42421.8
7.5°	54555.0	55869.5	56657.5	56774.1	56657.5	55869.5	54555.0	52518.7	50231.7	47150.9	43594.1
5°	55002.9	56197.2	56847.6	56907.7	56847.6	56197.2	55002.9	53037.2	50657.8	47619.1	43894.9
2.5°	55199.2	56208.4	56688.1	56565.5	56688.1	56208.4	55199.2	53307.2	50991.1	48059.9	44458.5
0°	55098.8	56000.8	56509.8	56585.9	56509.8	56000.8	55098.8	53533.6	51189.2	48333.9	44665.3
-2.5°	54280.5	54952.3	55313.3	55081.2	55313.3	54952.3	54280.5	52857.9	50585.0	47692.9	44217.9
-5°	52415.0	52898.3	53049.1	53133.8	53049.1	52898.3	52415.0	51254.0	49163.3	46271.8	43005.3
-7.5°	49718.7	50113.1	50262.0	50157.5	50262.0	50113.1	49718.7	48525.5	46534.1	43981.2	40729.9
-10°	46164.8	46526.2	46652.5	46580.5	46652.5	46526.2	46164.8	45106.4	43189.5	40792.3	37927.6
-12.5°	42567.3	42995.7	43093.9	43100.1	43093.9	42995.7	42567.3	41526.7	39790.2	37633.8	34991.6
-15°	39030.9	39520.6	39670.2	39801.1	39670.2	39520.6	39030.9	38030.3	36499.2	34490.6	32111.1
-17.5°	35555.9	36042.4	36168.6	35997.9	36168.6	36042.4	35555.9	34596.0	33243.4	31439.7	29268.3
-20°	32699.5	32951.7	33220.8	33218.6	33220.8	32951.7	32699.5	31942.2	30597.3	28955.0	27025.3



REPORT NUMBER: P701647 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30340.4	30757.3	30986.5	31149.3	30986.5	30757.3	30340.4	29708.4	28429.3	26869.2	25122.8
-25°	28127.8	28481.8	28624.2	28732.8	28624.2	28481.8	28127.8	27458.4	26364.1	24951.2	23294.6
-27.5°	26423.3	26782.6	26985.8	27106.2	26985.8	26782.6	26423.3	25749.8	24795.0	23436.4	21945.6
-30°	25063.9	25417.0	25659.1	25811.1	25659.1	25417.0	25063.9	24316.1	23398.2	22166.4	20798.6
-32.5°	23599.2	23968.5	24220.8	24377.6	24220.8	23968.5	23599.2	22886.9	21988.3	20910.5	19643.3
-35°	22077.1	22446.5	22718.8	22846.6	22718.8	22446.5	22077.1	21464.5	20587.3	19603.2	18469.4
-37.5°	20598.4	20943.2	21183.9	21278.5	21183.9	20943.2	20598.4	20068.7	19232.3	18341.6	17300.1
-40°	19057.0	19382.3	19605.8	19692.8	19605.8	19382.3	19057.0	18626.7	17847.2	17004.8	16090.6
-42.5°	17502.7	17806.1	18012.6	18099.4	18012.6	17806.1	17502.7	17129.3	16438.4	15670.0	14855.4
-45°	15928.2	16198.2	16372.9	16439.6	16372.9	16198.2	15928.2	15593.5	15009.9	14293.9	13531.2
-47.5°	14378.5	14621.9	14772.2	14820.8	14772.2	14621.9	14378.5	14079.7	13597.5	12957.6	12283.9
-50°	12865.7	13065.1	13202.5	13280.0	13202.5	13065.1	12865.7	12614.9	12238.0	11693.8	11129.4
-52.5°	11466.4	11647.5	11755.4	11797.7	11755.4	11647.5	11466.4	11242.4	10943.6	10477.2	9982.6
-55°	10155.0	10311.7	10403.4	10440.3	10403.4	10311.7	10155.0	9964.1	9733.6	9332.6	8905.8
-57.5°	8943.9	9072.4	9158.8	9207.7	9158.8	9072.4	8943.9	8786.0	8600.3	8255.7	7871.4
-60°	7795.7	7900.9	7973.5	8016.0	7973.5	7900.9	7795.7	7662.8	7502.9	7216.7	6887.8
-62.5°	6687.3	6776.7	6835.4	6869.2	6835.4	6776.7	6687.3	6574.7	6439.1	6218.2	5947.2
-65°	5685.1	5763.5	5801.4	5816.0	5801.4	5763.5	5685.1	5588.7	5474.5	5301.5	5078.8
-67.5°	4798.5	4869.1	4894.7	4899.3	4894.7	4869.1	4798.5	4713.3	4614.1	4474.2	4289.4
-70°	3952.1	4009.6	4029.0	4031.4	4029.0	4009.6	3952.1	3883.0	3803.1	3696.5	3549.9
-72.5°	3143.2	3179.5	3207.5	3225.9	3207.5	3179.5	3143.2	3097.1	3041.1	2964.7	2851.7
-75°	2425.6	2456.6	2470.1	2475.0	2470.1	2456.6	2425.6	2386.9	2340.8	2283.0	2200.7
-77.5°	1766.4	1790.0	1795.4	1794.3	1795.4	1790.0	1766.4	1737.5	1703.7	1663.5	1608.5
-80°	1183.3	1194.3	1201.5	1205.3	1201.5	1194.3	1183.3	1168.5	1149.8	1126.3	1092.2
-82.5°	725.0	738.4	724.6	708.0	724.6	738.4	725.0	709.7	692.7	674.3	658.7
-85°	339.1	339.7	340.9	341.3	340.9	339.7	339.1	337.6	335.3	332.0	326.0
-87.5°	126.8	128.3	127.7	126.8	127.7	128.3	126.8	125.2	123.4	121.3	119.1
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



REPORT NUMBER: P701647 (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°
90°	22.5	22.0	21.5	21.0	20.5	20.0	19.5	18.5	17.6	16.6	15.6
87.5°	12.2	9.7	7.4	8.3	9.1	9.9	10.6	10.1	9.6	9.1	8.7
85°	27.2	24.7	22.1	22.0	21.9	21.8	21.7	21.2	20.6	19.7	18.7
82.5°	32.6	33.4	34.1	36.8	38.8	40.2	40.8	40.6	39.8	38.3	36.1
80°	40.9	43.6	46.5	52.2	57.2	61.5	64.8	66.2	67.0	66.8	64.5
77.5°	47.9	52.6	57.8	66.1	73.8	81.0	87.1	90.5	92.3	93.1	90.4
75°	47.9	54.2	62.3	73.9	84.8	95.1	102.8	108.1	112.4	115.7	112.8
72.5°	41.5	47.5	57.2	71.9	87.3	100.3	110.9	119.8	127.6	134.3	129.7
70°	33.0	37.2	45.9	58.9	73.1	88.2	104.3	120.4	136.2	146.5	139.1
67.5°	26.0	28.5	35.6	46.0	58.2	71.8	88.1	106.6	124.5	141.3	137.9
65°	22.1	22.9	27.3	34.8	44.0	55.2	68.8	85.0	104.1	123.2	123.9
62.5°	20.8	21.5	24.1	28.1	33.4	40.4	50.8	65.0	81.4	94.5	99.2
60°	21.1	21.8	23.6	25.5	27.8	31.4	39.5	49.1	60.3	71.4	77.1
57.5°	23.3	23.7	24.5	25.6	27.0	30.2	34.4	38.9	48.1	54.5	59.4
55°	25.1	25.7	26.3	26.8	27.5	30.3	33.5	37.4	41.5	43.5	49.6
52.5°	27.1	28.8	29.5	29.1	30.1	32.2	33.6	36.9	40.3	42.7	44.2
50°	38.4	40.4	38.9	35.6	38.9	38.4	38.0	38.8	42.8	44.9	44.8
47.5°	68.7	69.3	62.8	58.5	62.1	57.4	53.9	50.8	56.9	51.2	50.5
45°	129.4	126.5	111.4	113.0	108.8	101.4	85.9	94.1	87.0	78.0	59.9
42.5°	226.7	222.1	206.5	215.3	200.0	180.6	172.0	180.8	151.4	123.0	129.7
40°	411.6	359.1	389.3	403.2	363.6	306.2	385.1	330.9	282.0	202.8	266.9
37.5°	859.1	700.3	842.6	846.7	733.7	674.9	760.3	685.4	478.6	506.2	515.1
35°	1843.7	1755.6	1723.8	1662.5	1451.1	1521.6	1363.6	1206.2	1035.9	979.7	886.6
32.5°	3338.7	3432.3	3211.3	2939.9	2914.1	2769.3	2441.6	1966.8	1968.6	1774.8	1450.2
30°	5936.0	5810.3	5414.1	4964.0	4954.7	4585.0	3854.6	3537.1	3243.9	2803.8	2185.2
27.5°	9841.1	8971.5	8346.7	7995.9	7476.4	6867.6	6149.9	5407.6	4781.3	4110.7	3278.2
25°	14444.2	13361.9	12242.8	11500.4	10596.3	9635.1	8743.5	7702.5	6654.6	5602.9	4548.1
22.5°	19382.3	18067.7	16702.4	15321.6	13969.2	12736.0	11553.2	10172.6	8574.9	7098.3	5878.4
20°	24454.3	22658.7	21012.3	19096.6	17263.7	15762.6	14425.8	12524.4	10391.2	8596.7	7173.8
17.5°	29274.0	26984.9	24665.5	22286.5	20303.7	18677.5	16608.7	14385.5	12087.6	10005.8	8411.3
15°	33611.2	30462.5	27700.8	25194.7	22801.3	20444.3	18275.7	16077.0	13673.3	11422.0	9541.6
12.5°	36614.4	33314.4	30349.4	27188.4	24397.0	21930.3	19728.6	17524.2	15000.8	12360.0	10172.4
10°	38815.5	35239.1	31777.5	28554.0	25747.5	23246.8	20801.1	18295.4	15567.9	12922.1	10696.5
7.5°	39828.8	36256.3	32851.3	29537.2	26606.4	23990.1	21392.6	18784.4	15973.4	13311.5	11117.5
5°	40301.3	36878.8	33496.5	30043.4	27101.0	24514.8	21874.1	19155.8	16220.5	13546.0	11440.1
2.5°	40733.2	37214.4	33817.0	30258.5	27393.6	24870.9	22294.4	19530.7	16527.6	13790.2	11646.6
0°	41020.0	37558.1	34119.7	30398.4	27558.6	25091.4	22659.3	19864.5	16794.6	13960.7	11770.4
-2.5°	40526.6	37045.1	33662.7	30113.8	27211.1	24780.1	22395.4	19726.1	16742.8	13960.6	11775.5
-5°	39449.7	36014.6	32701.6	29314.0	26418.3	24004.4	21707.3	19213.5	16439.2	13808.6	11704.8
-7.5°	37433.9	34364.0	31357.0	28204.7	25354.5	22949.9	20701.1	18329.5	15771.5	13306.3	11287.8
-10°	34863.6	32042.8	29234.3	26443.0	23936.2	21723.0	19582.7	17364.0	14997.2	12704.8	10803.4
-12.5°	32307.9	29617.9	26942.9	24380.4	22194.0	20156.1	18254.9	16302.8	14131.3	12007.1	10259.0
-15°	29548.2	27121.7	24761.2	22478.0	20363.2	18502.0	16820.7	15078.0	13151.4	11251.3	9659.9
-17.5°	27148.9	24735.6	22571.1	20726.0	18803.2	16911.5	15405.9	13879.4	12236.4	10595.5	9146.5
-20°	25027.2	22981.0	20876.6	19114.1	17471.2	15826.3	14206.6	12756.4	11387.5	10000.0	8702.9



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23306.2	21454.2	19597.2	17805.4	16251.4	14847.8	13424.7	11983.1	10594.8	9390.0	8273.8
-25°	21776.2	20027.7	18398.8	16885.7	15307.9	13918.0	12713.8	11436.5	10112.4	8850.6	7877.5
-27.5°	20496.4	18903.8	17435.6	16067.1	14648.0	13284.0	12092.3	10910.6	9681.8	8548.2	7549.2
-30°	19397.9	18013.8	16655.3	15366.6	14068.3	12785.7	11551.1	10429.8	9289.9	8221.1	7275.8
-32.5°	18355.6	17071.6	15834.2	14659.1	13451.0	12248.1	11089.9	9943.7	8847.1	7889.4	7012.5
-35°	17263.9	16072.2	14965.4	13877.0	12792.1	11674.3	10565.6	9442.6	8420.2	7521.7	6707.7
-37.5°	16192.6	15088.8	14065.4	13056.5	12068.8	11048.7	9980.5	8957.0	7989.9	7133.8	6363.2
-40°	15099.0	14100.6	13142.3	12217.3	11295.5	10371.6	9398.1	8447.6	7561.4	6707.7	5984.2
-42.5°	13953.6	13061.7	12197.5	11344.2	10486.0	9645.1	8793.0	7934.7	7102.6	6308.3	5582.5
-45°	12769.9	11997.8	11221.8	10442.8	9656.6	8913.8	8182.5	7396.7	6624.0	5885.0	5168.0
-47.5°	11624.9	10949.9	10241.7	9543.5	8867.7	8193.2	7533.4	6835.7	6126.9	5434.9	4798.0
-50°	10549.4	9934.4	9311.4	8694.2	8098.8	7489.1	6878.2	6264.5	5612.3	4994.0	4412.6
-52.5°	9468.1	8947.0	8416.0	7880.5	7342.0	6783.3	6218.3	5671.7	5096.1	4554.4	4039.8
-55°	8455.6	7996.0	7529.7	7057.1	6586.7	6095.6	5591.7	5094.8	4610.7	4119.6	3677.2
-57.5°	7462.4	7056.2	6671.9	6276.3	5871.4	5441.2	5002.3	4558.5	4131.4	3711.6	3311.8
-60°	6550.0	6207.8	5870.3	5531.0	5192.5	4823.4	4428.0	4038.6	3656.8	3307.9	2968.6
-62.5°	5662.3	5365.5	5086.7	4806.5	4515.3	4201.1	3863.3	3546.6	3228.1	2914.8	2639.9
-65°	4843.7	4597.1	4351.9	4121.8	3889.9	3654.6	3368.4	3088.4	2820.2	2562.1	2321.6
-67.5°	4097.1	3898.5	3703.7	3511.0	3318.5	3122.7	2887.3	2649.6	2429.4	2220.2	2015.8
-70°	3396.3	3236.8	3077.5	2917.8	2761.2	2607.8	2430.0	2242.5	2059.4	1881.5	1703.4
-72.5°	2733.0	2609.4	2486.0	2366.0	2244.4	2125.0	1987.6	1834.0	1681.9	1532.1	1387.5
-75°	2113.9	2023.0	1931.2	1841.7	1748.9	1653.2	1553.4	1439.0	1323.8	1208.4	1093.8
-77.5°	1549.7	1487.4	1423.6	1364.0	1302.8	1240.4	1169.6	1078.3	992.1	906.9	824.1
-80°	1055.6	1016.9	977.4	942.4	904.8	865.0	819.3	754.4	690.0	630.3	576.3
-82.5°	641.2	622.0	601.3	581.2	559.2	535.3	508.4	470.6	433.4	397.0	361.5
-85°	319.2	311.5	303.1	294.4	285.0	274.8	263.7	247.7	231.0	213.9	196.2
-87.5°	116.8	114.3	111.6	109.6	107.4	105.1	102.5	96.6	90.7	84.8	79.0
-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: P701647 (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°	15.1	14.7	14.2	13.7	13.7	13.7	13.7	13.7	13.2	12.7	12.2
87.5°	10.2	11.5	12.7	13.7	12.9	12.2	11.5	10.9	11.2	11.5	11.7
85°	19.1	19.7	20.5	21.5	20.2	18.5	17.1	15.8	16.1	16.2	16.1
82.5°	32.6	30.9	30.0	29.5	29.2	28.3	26.7	24.3	22.0	20.9	20.6
80°	57.9	51.8	46.3	41.7	39.1	38.3	37.2	34.6	29.3	25.7	23.8
77.5°	81.2	72.7	65.0	57.3	50.5	45.9	43.6	42.5	36.4	30.3	26.3
75°	102.4	91.3	80.9	70.8	60.9	52.9	47.4	43.7	39.0	34.2	28.6
72.5°	116.7	104.8	94.1	83.0	70.2	59.5	51.0	44.9	40.0	35.2	30.3
70°	126.6	115.0	102.8	90.2	77.5	65.3	54.6	47.2	41.0	36.0	31.1
67.5°	132.6	119.6	107.6	96.1	83.1	70.1	57.7	49.8	43.3	36.9	31.7
65°	119.3	115.0	110.2	97.9	86.3	74.5	61.4	52.6	45.5	38.8	32.4
62.5°	102.1	102.1	99.1	96.2	87.1	75.8	65.0	56.0	47.8	40.7	33.7
60°	80.8	84.4	87.2	86.5	83.4	75.7	66.3	59.2	50.4	42.4	35.2
57.5°	65.2	67.8	73.3	76.6	75.7	72.1	67.1	60.7	52.7	44.2	36.7
55°	53.3	57.9	62.4	66.4	68.2	66.1	66.7	61.7	54.6	45.9	38.5
52.5°	47.3	51.8	56.4	59.0	61.1	62.0	65.0	62.7	55.6	47.4	40.4
50°	45.4	50.2	53.6	55.7	55.9	60.5	64.4	63.0	56.6	48.5	42.5
47.5°	52.3	56.3	55.1	54.8	54.7	60.6	65.2	64.1	57.6	49.5	44.8
45°	77.8	71.3	64.0	58.6	58.7	64.9	67.4	66.1	59.7	52.3	47.3
42.5°	123.3	110.7	84.7	64.1	75.2	72.0	70.9	69.4	62.4	55.6	50.1
40°	249.4	174.6	120.6	111.8	103.3	81.5	78.7	73.8	66.1	59.8	53.3
37.5°	425.2	308.1	195.4	199.5	153.8	115.9	88.4	79.2	72.5	65.1	56.7
35°	730.1	514.1	407.3	362.5	260.5	158.4	99.5	86.9	80.3	70.7	60.3
32.5°	1107.2	903.2	797.3	610.7	393.9	208.6	130.1	101.3	89.0	76.5	64.2
30°	1744.4	1575.6	1278.1	915.3	582.2	332.4	183.9	117.8	98.6	82.6	68.4
27.5°	2705.4	2368.7	1863.5	1355.2	872.7	482.9	263.3	136.3	109.0	89.5	73.3
25°	3751.9	3267.5	2625.7	1878.3	1199.9	721.9	360.5	158.7	122.8	97.8	78.3
22.5°	4907.9	4196.4	3467.0	2450.2	1562.9	999.4	515.1	232.9	139.0	106.5	83.2
20°	6015.5	5142.0	4308.3	2899.1	1950.6	1322.4	730.6	316.0	156.0	115.3	88.2
17.5°	7091.2	5918.4	4763.1	3388.1	2330.8	1627.3	963.5	406.0	173.5	124.3	93.0
15°	7824.8	6437.0	5188.8	3824.7	2670.4	1914.1	1208.5	500.7	191.2	133.4	100.4
12.5°	8386.9	6906.8	5595.2	4209.4	2971.3	2182.6	1459.7	597.6	208.9	147.3	111.0
10°	8869.6	7326.9	5976.4	4542.7	3235.9	2432.8	1710.8	689.0	236.3	165.3	121.7
7.5°	9274.8	7696.4	6326.1	4825.7	3452.0	2597.8	1864.7	763.3	264.7	183.2	132.2
5°	9591.0	7970.1	6602.5	5018.4	3564.4	2672.1	1981.2	828.2	292.2	200.8	142.5
2.5°	9779.2	8118.9	6811.4	5161.8	3654.2	2726.7	2071.8	882.9	318.5	217.9	152.4
0°	9902.0	8214.9	6968.6	5260.1	3719.3	2763.7	2135.6	926.4	343.3	234.0	161.9
-2.5°	9948.7	8229.2	6991.3	5385.5	3851.8	2877.9	2197.7	1047.3	459.2	313.4	212.8
-5°	9923.0	8199.8	6968.1	5464.5	3956.4	2973.1	2236.7	1156.4	571.4	390.6	262.5
-7.5°	9612.8	8026.8	6847.8	5476.4	4032.0	3045.8	2257.0	1253.6	678.2	464.2	310.0
-10°	9198.7	7748.7	6597.8	5311.6	4023.9	3089.6	2267.8	1339.0	778.1	533.2	354.8
-12.5°	8739.3	7434.3	6326.4	5131.6	3987.5	3113.4	2297.6	1418.6	869.6	596.4	396.2
-15°	8242.2	7086.1	6041.0	4945.9	3936.8	3125.4	2313.7	1486.8	952.1	656.3	433.4
-17.5°	7753.0	6706.6	5748.7	4763.0	3875.1	3127.6	2318.2	1539.5	1025.1	714.2	473.1
-20°	7487.2	6430.8	5461.4	4590.8	3805.1	3121.8	2313.2	1576.2	1087.7	765.1	513.8



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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°	7221.9	6250.1	5323.4	4468.6	3746.1	3109.6	2300.4	1596.5	1139.0	808.7	549.2
-25°	6943.0	6060.1	5189.9	4382.2	3706.7	3064.9	2293.9	1600.0	1178.4	844.4	578.9
-27.5°	6696.2	5868.2	5035.4	4262.2	3629.3	3017.7	2283.9	1637.9	1209.4	871.9	602.5
-30°	6465.0	5674.2	4871.9	4121.8	3524.0	2903.7	2253.8	1661.9	1237.1	895.3	619.9
-32.5°	6226.3	5461.7	4675.1	3984.6	3384.1	2774.2	2169.0	1669.1	1253.5	912.9	634.7
-35°	5947.8	5203.9	4445.2	3814.4	3227.2	2640.7	2074.1	1659.4	1258.5	921.6	644.0
-37.5°	5631.7	4902.1	4228.1	3622.7	3059.1	2497.2	2005.0	1610.3	1251.8	921.3	646.6
-40°	5282.1	4600.6	3979.2	3428.1	2888.7	2344.3	1922.7	1558.5	1240.2	911.8	642.1
-42.5°	4914.4	4306.2	3741.4	3221.7	2711.9	2237.9	1830.7	1497.0	1198.0	897.4	630.7
-45°	4570.7	4006.6	3495.0	3012.1	2535.1	2118.3	1751.3	1427.6	1144.8	875.9	615.0
-47.5°	4216.2	3717.3	3245.5	2790.6	2385.3	1993.4	1661.0	1358.6	1084.3	844.7	596.9
-50°	3881.8	3426.3	2994.4	2591.3	2214.4	1880.1	1563.3	1280.8	1023.7	792.4	572.8
-52.5°	3567.1	3145.2	2757.1	2391.0	2062.9	1755.2	1465.1	1195.5	956.2	741.5	542.9
-55°	3254.6	2877.4	2525.2	2205.9	1908.4	1628.4	1357.5	1109.7	882.1	688.2	508.1
-57.5°	2953.9	2612.0	2312.6	2025.6	1750.2	1491.9	1246.8	1016.4	810.1	629.8	474.6
-60°	2651.5	2374.5	2104.8	1838.2	1584.8	1350.8	1131.2	919.7	734.5	568.7	432.3
-62.5°	2377.5	2129.2	1885.1	1641.1	1416.5	1207.2	1010.0	823.9	653.4	511.6	385.4
-65°	2096.8	1874.2	1654.9	1445.9	1246.0	1059.7	889.9	721.9	578.2	451.1	339.2
-67.5°	1812.7	1618.3	1432.2	1246.6	1076.9	916.7	763.4	626.8	501.9	387.4	299.3
-70°	1529.0	1361.0	1208.6	1058.7	910.6	771.0	649.4	532.7	422.0	335.5	257.4
-72.5°	1251.4	1120.3	994.7	868.9	750.6	639.0	534.5	438.9	356.9	281.8	213.8
-75°	983.2	884.8	790.3	694.2	595.6	504.2	430.1	359.6	289.9	226.2	175.8
-77.5°	744.7	666.9	591.0	524.2	456.2	392.6	333.6	277.8	224.3	179.3	139.2
-80°	524.6	474.1	425.0	376.4	325.7	278.8	241.4	205.1	166.7	132.1	101.6
-82.5°	326.3	297.5	270.7	243.7	214.5	186.6	160.0	134.6	107.8	84.0	69.9
-85°	179.0	161.8	144.5	127.3	109.9	93.5	85.6	77.7	68.2	59.2	50.8
-87.5°	74.7	70.4	66.1	61.7	57.7	53.6	49.7	45.8	40.8	36.0	31.5
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.4	6.9	7.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.7	11.2	10.8	10.3	9.8	8.8	7.8
87.5°	11.8	11.3	10.8	10.6	10.5	9.1	7.8
85°	15.9	14.2	12.9	11.8	11.1	9.4	7.8
82.5°	19.8	17.1	14.9	13.1	11.8	9.7	7.8
80°	23.4	20.0	16.8	14.3	12.5	10.0	7.8
77.5°	24.3	22.0	18.8	15.6	13.1	10.3	7.8
75°	25.1	22.3	20.3	16.7	13.7	10.5	7.8
72.5°	25.8	22.7	20.4	17.9	14.3	10.8	7.8
70°	26.4	22.9	20.4	18.8	14.9	11.1	7.8
67.5°	27.2	23.1	20.3	18.6	15.5	11.3	7.8
65°	28.0	23.6	20.2	18.4	16.0	11.6	7.8
62.5°	28.8	24.4	20.1	18.2	16.6	11.8	7.8
60°	29.6	25.1	19.9	17.9	17.1	12.0	7.8
57.5°	31.1	25.9	20.6	17.6	16.9	12.2	7.8
55°	32.6	26.7	21.2	17.3	16.8	12.4	7.8
52.5°	34.1	27.5	21.9	17.0	16.6	12.6	7.8
50°	35.6	28.8	22.6	16.6	16.5	12.8	7.8
47.5°	37.1	30.0	23.2	16.4	16.4	13.0	7.8
45°	39.3	31.2	23.8	16.9	16.3	13.2	7.8
42.5°	41.6	32.3	24.4	17.3	16.3	13.3	7.8
40°	44.0	33.3	25.1	18.0	16.3	13.4	7.8
37.5°	46.4	34.3	25.9	19.0	16.3	13.5	7.8
35°	48.9	35.9	26.6	19.9	16.3	13.7	7.8
32.5°	51.6	37.8	27.3	20.9	16.3	13.7	7.8
30°	54.6	39.7	27.9	21.9	16.3	13.8	7.8
27.5°	57.7	41.6	29.9	22.9	16.4	13.9	7.8
25°	60.8	43.4	32.2	24.0	16.5	13.9	7.8
22.5°	64.0	46.1	34.6	25.0	16.6	14.0	7.8
20°	67.1	51.1	37.0	26.0	16.7	14.0	7.8
17.5°	72.8	56.1	39.6	27.1	16.8	14.0	7.8
15°	80.1	61.2	42.1	28.1	16.9	14.0	7.8
12.5°	87.4	66.3	44.7	29.1	17.0	14.0	7.8
10°	94.5	71.3	47.2	30.0	17.2	13.9	7.8
7.5°	101.5	76.2	49.7	30.9	17.3	13.9	7.8
5°	108.2	80.9	52.2	31.7	17.4	13.8	7.8
2.5°	114.7	85.4	54.5	32.5	17.5	13.8	7.8
0°	120.9	89.7	56.6	33.2	17.6	13.7	7.8
-2.5°	151.2	107.2	65.8	37.3	19.0	13.9	7.8
-5°	180.8	124.2	74.7	41.2	20.3	14.2	7.8
-7.5°	209.2	140.5	83.2	44.9	21.6	14.4	7.8
-10°	236.2	155.8	91.2	48.5	22.8	14.6	7.8
-12.5°	261.3	170.0	98.6	51.7	24.0	14.8	7.8
-15°	284.1	182.8	105.3	54.7	25.1	15.0	7.8
-17.5°	304.4	194.1	111.3	57.3	26.1	15.1	7.8
-20°	326.6	203.8	116.4	59.6	27.0	15.2	7.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	353.2	211.6	120.5	61.5	27.8	15.3	7.8
-25°	375.8	223.5	123.7	62.9	28.5	15.4	7.8
-27.5°	394.2	235.6	125.8	63.9	29.1	15.5	7.8
-30°	408.1	244.9	127.2	64.4	29.6	15.5	7.8
-32.5°	417.4	251.5	132.0	64.4	29.9	15.5	7.8
-35°	424.1	255.2	135.1	63.9	30.1	15.5	7.8
-37.5°	427.2	256.9	136.6	62.9	30.1	15.4	7.8
-40°	426.0	257.8	136.2	61.3	30.0	15.4	7.8
-42.5°	420.3	256.0	135.5	59.9	29.7	15.2	7.8
-45°	410.1	251.3	134.7	59.2	29.3	15.1	7.8
-47.5°	395.5	243.8	132.4	57.7	28.7	14.9	7.8
-50°	381.0	233.6	128.7	57.2	28.0	14.7	7.8
-52.5°	363.3	220.6	123.5	56.6	27.2	14.5	7.8
-55°	341.8	209.7	116.9	55.4	26.2	14.3	7.8
-57.5°	316.6	197.5	109.0	53.5	25.1	14.0	7.8
-60°	288.8	183.3	100.1	51.1	23.8	13.7	7.8
-62.5°	265.7	167.2	93.8	48.1	23.0	13.4	7.8
-65°	240.0	149.3	86.6	44.5	22.0	13.1	7.8
-67.5°	211.8	132.7	78.4	40.5	21.0	12.7	7.8
-70°	181.5	117.6	69.4	36.0	19.9	12.3	7.8
-72.5°	156.1	101.4	59.7	33.0	18.8	11.9	7.8
-75°	130.2	84.1	49.3	30.1	17.6	11.5	7.8
-77.5°	103.0	65.9	42.6	27.1	16.4	11.1	7.8
-80°	74.7	52.9	36.6	23.9	15.1	10.6	7.8
-82.5°	58.1	42.8	30.3	20.6	13.8	10.2	7.8
-85°	42.8	32.4	23.9	17.2	12.5	9.7	7.8
-87.5°	27.3	21.9	17.3	13.8	11.2	9.3	7.8
-90°	7.8	8.3	8.8	9.3	9.8	8.8	7.8

(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

