

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: P701625 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701625 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
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-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

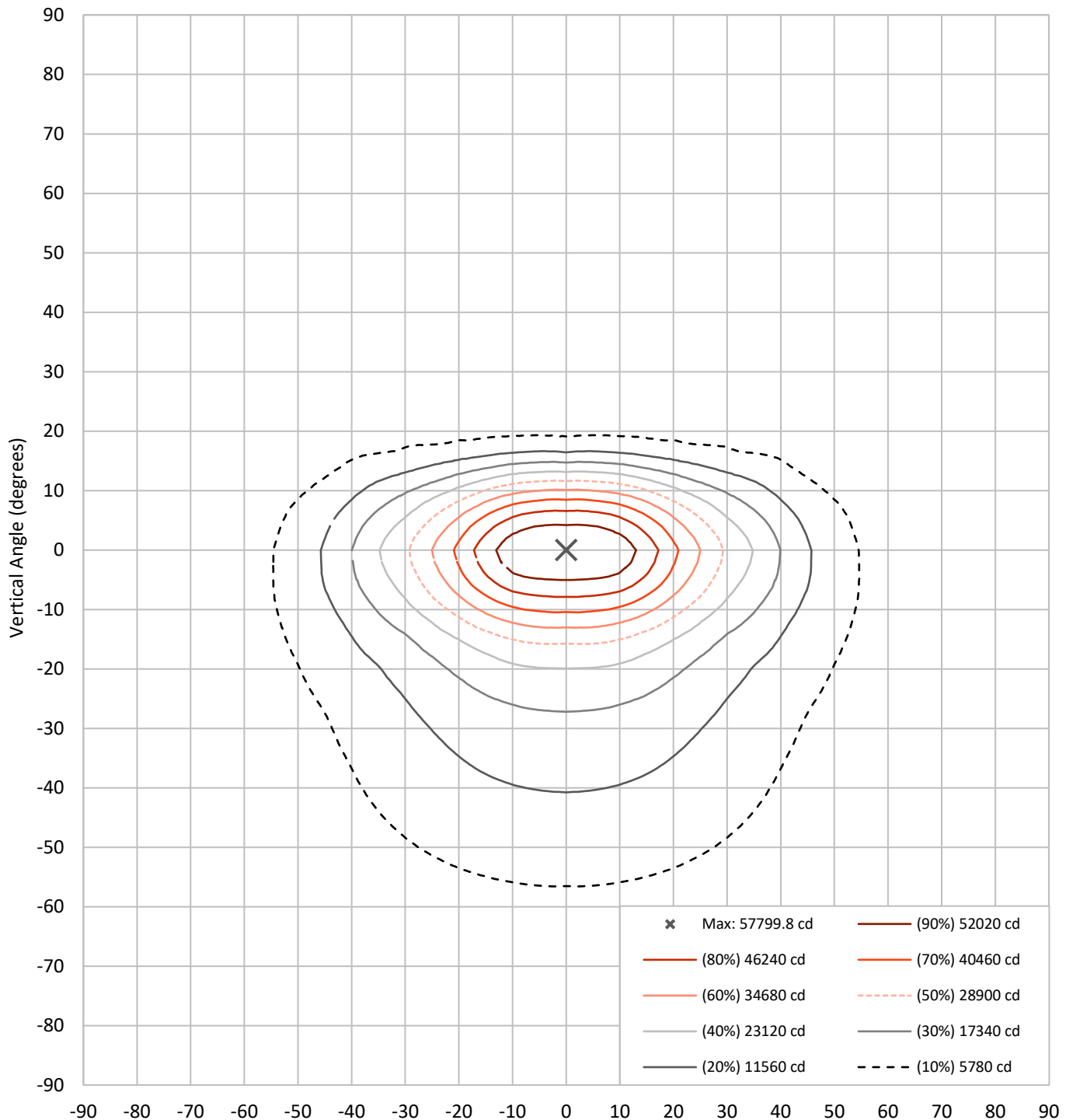
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	38891.4 lumens	Max Intensity:	57799.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	55.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	15352.8 lumens	Field Lumens:	34225.3 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

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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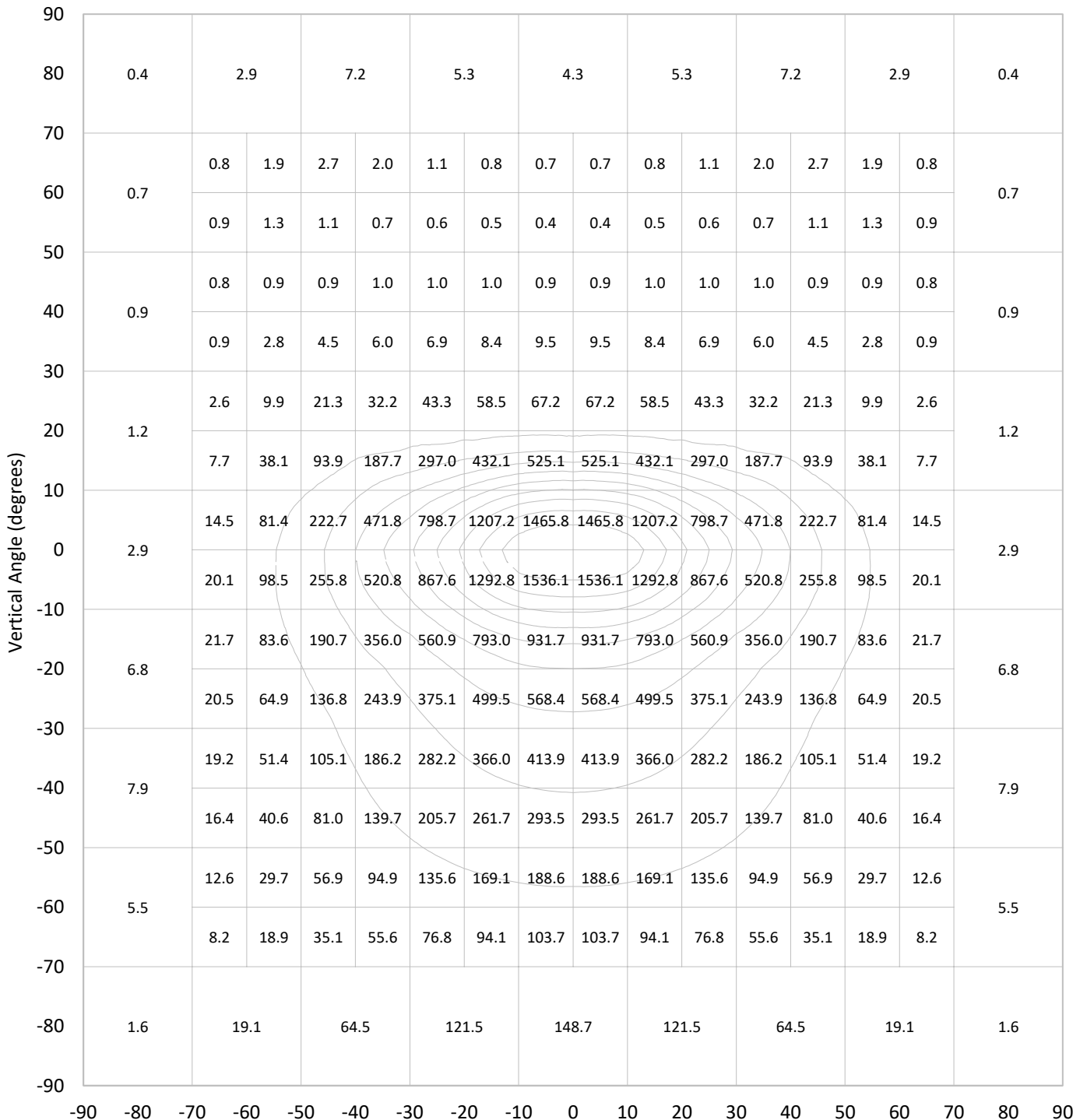
Iso-Candela Plot





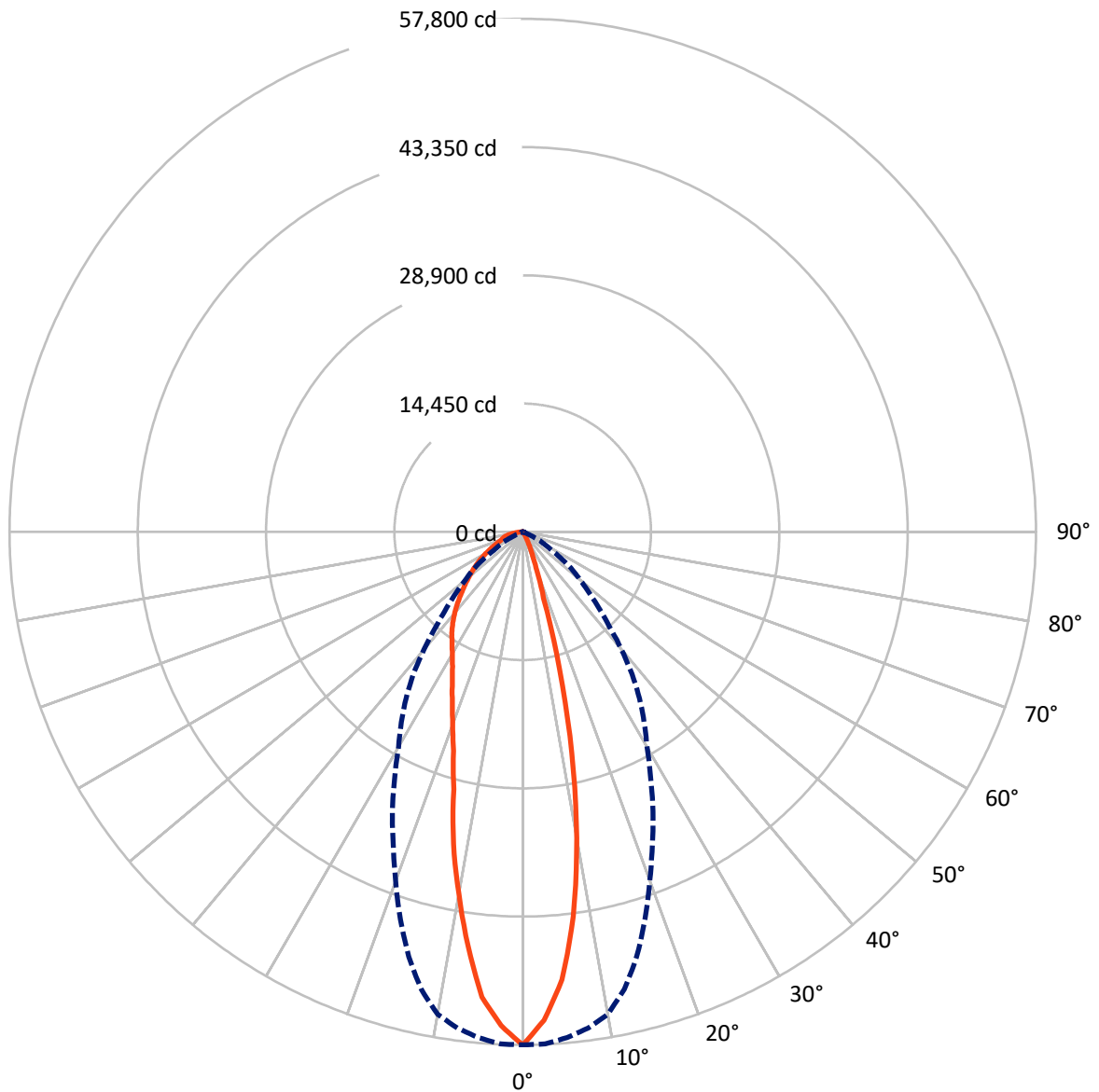
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Lumen Table



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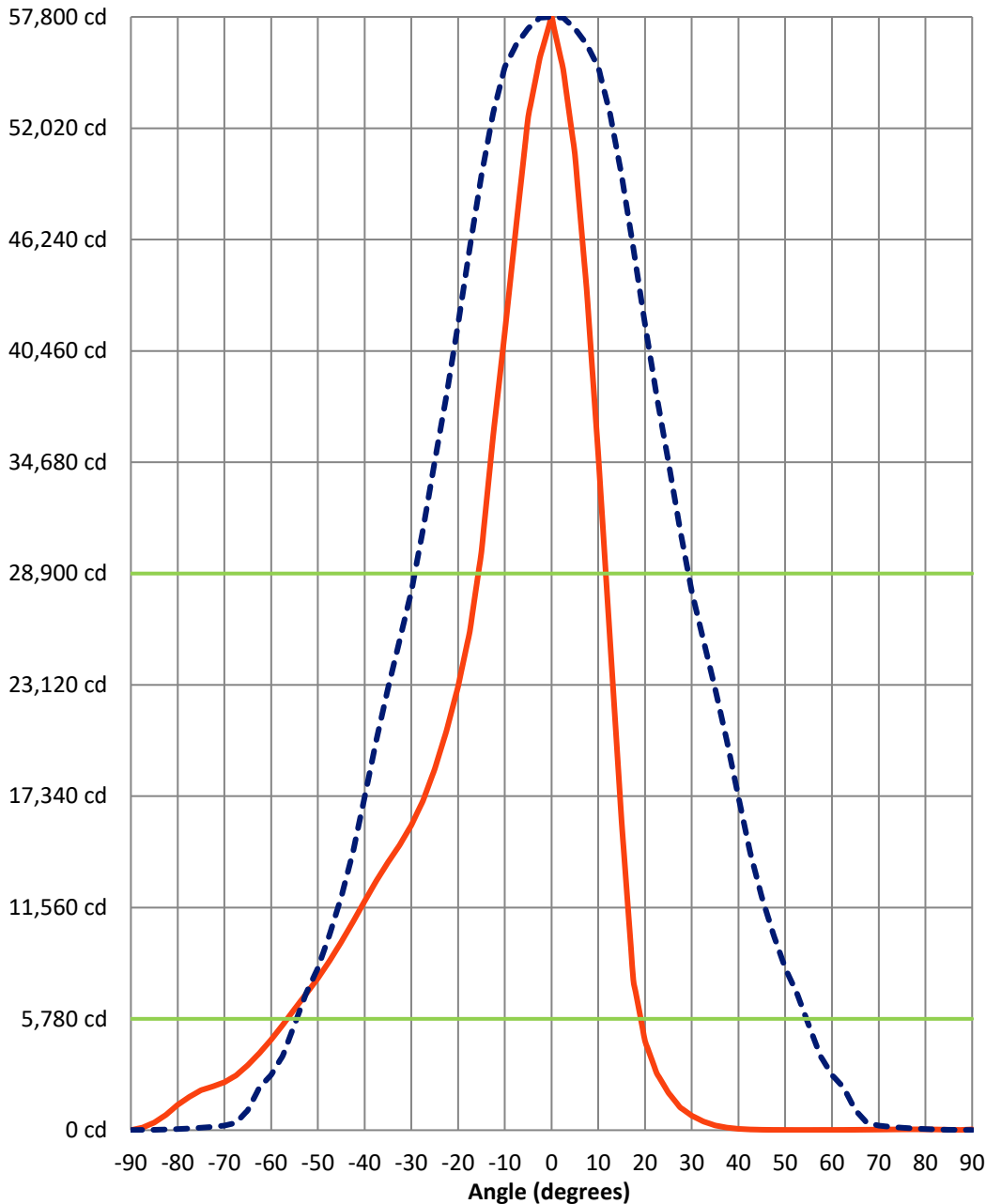
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 15352.8
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 34225.3
 Efficiency: 88.0%

Spill:
 Lumens: 4666.1
 Efficiency: 12.0%

- 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	8.8	9.3	10.0	10.8	11.7	12.7	13.0	13.1	13.0	12.8
85°	8.4	9.1	10.2	11.5	13.1	15.0	17.1	17.6	17.8	17.7	17.3
82.5°	8.4	9.5	11.1	13.1	15.5	18.2	21.3	22.2	22.6	24.3	27.2
80°	8.4	9.9	12.0	14.6	17.8	21.4	25.3	26.5	29.2	33.8	40.1
77.5°	8.4	10.2	12.9	16.1	20.0	23.8	27.3	30.4	35.5	42.9	50.3
75°	8.4	10.6	13.8	17.6	21.9	24.9	29.1	34.1	41.2	47.2	53.4
72.5°	8.4	10.9	14.6	19.1	22.3	25.8	30.8	37.0	43.2	49.6	56.2
70°	8.4	11.2	15.4	20.2	22.6	26.7	32.4	38.5	45.0	51.8	58.3
67.5°	8.4	11.6	16.2	20.1	22.8	27.4	33.6	39.9	46.7	53.4	60.2
65°	8.4	11.9	16.9	20.0	23.0	28.3	34.8	41.2	48.1	55.0	62.5
62.5°	8.4	12.2	17.7	19.8	23.0	29.4	36.1	42.3	49.4	56.7	66.1
60°	8.4	12.5	18.3	19.6	23.0	30.6	37.3	43.3	50.5	59.4	69.4
57.5°	8.4	12.7	18.2	19.3	23.9	31.7	38.7	44.4	52.3	61.8	70.6
55°	8.4	13.0	18.0	19.0	24.8	32.7	40.1	45.8	54.0	63.5	70.8
52.5°	8.4	13.2	17.9	18.6	25.7	33.9	41.6	47.7	55.4	63.6	70.9
50°	8.4	13.5	17.7	18.2	26.6	35.3	43.2	49.7	56.3	63.5	67.4
47.5°	8.4	13.7	17.6	18.0	27.4	36.7	44.9	51.7	56.1	63.4	64.0
45°	8.4	13.9	17.6	18.6	28.2	38.2	46.6	53.8	57.4	60.9	61.0
42.5°	8.4	14.1	17.5	19.1	29.0	39.6	48.4	55.4	59.0	58.7	58.2
40°	8.4	14.3	17.5	20.0	29.9	41.1	50.1	56.9	60.4	57.3	55.7
37.5°	8.4	14.4	17.5	21.1	31.0	42.6	51.8	58.6	61.5	58.8	53.7
35°	8.4	14.5	17.5	22.3	32.1	43.9	53.5	60.4	63.2	61.3	54.0
32.5°	8.4	14.7	17.5	23.4	33.1	45.2	55.0	62.2	65.3	65.3	64.6
30°	8.4	14.8	17.6	24.5	34.1	46.4	56.5	64.2	67.9	70.6	77.8
27.5°	8.4	14.8	17.6	25.6	36.2	47.6	58.0	66.2	71.4	77.2	93.5
25°	8.4	14.9	17.7	26.7	38.5	48.7	59.5	68.4	76.5	88.4	113.2
22.5°	8.4	15.0	17.8	27.8	40.7	50.6	60.9	70.8	82.3	102.5	177.6
20°	8.4	15.0	17.9	28.9	43.0	54.5	62.4	73.4	88.6	117.7	251.1
17.5°	8.4	15.0	18.1	29.9	45.2	58.7	67.8	76.2	95.4	133.8	331.7
15°	8.4	15.0	18.2	30.9	47.4	63.0	76.0	83.8	102.5	150.5	417.5
12.5°	8.4	15.0	18.3	31.9	49.6	67.3	84.5	98.1	119.0	167.5	506.1
10°	8.4	15.0	18.4	32.8	51.7	71.7	93.3	112.8	143.0	207.4	605.1
7.5°	8.4	14.9	18.6	33.6	53.6	76.0	102.2	127.8	167.4	251.3	723.1
5°	8.4	14.9	18.7	34.4	55.5	80.3	111.0	142.8	191.9	295.4	836.4
2.5°	8.4	14.8	18.8	35.1	57.2	84.3	119.7	157.7	216.0	338.6	942.2
0°	8.4	14.7	18.9	35.7	58.8	88.2	128.1	172.2	239.4	380.2	1037.5
-2.5°	8.4	15.0	20.4	40.1	68.7	107.3	161.6	227.4	323.1	495.7	1154.3
-5°	8.4	15.3	21.8	44.3	78.3	126.0	194.1	281.2	404.7	607.2	1257.8
-7.5°	8.4	15.6	23.2	48.3	87.5	143.8	225.4	332.9	482.8	713.4	1348.4
-10°	8.4	15.9	24.5	52.1	96.2	160.7	254.8	381.6	556.5	812.8	1426.4
-12.5°	8.4	16.1	25.8	55.7	104.2	176.4	282.1	426.7	624.5	900.5	1458.1
-15°	8.4	16.3	27.0	58.9	111.6	190.7	306.9	467.5	680.1	953.7	1464.9
-17.5°	8.4	16.5	28.1	61.7	118.1	203.3	328.7	502.9	722.5	1000.1	1465.1
-20°	8.4	16.7	29.1	64.1	123.7	214.2	349.2	533.6	759.8	1039.4	1459.8



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.4	16.9	30.0	66.2	128.3	223.1	369.9	559.9	791.9	1071.1	1450.2
-25°	8.4	17.0	30.8	67.7	131.8	234.5	387.5	581.5	818.3	1095.0	1437.3
-27.5°	8.4	17.1	31.5	68.8	134.2	245.5	401.9	598.3	838.9	1114.7	1457.1
-30°	8.4	17.1	32.1	69.3	135.9	254.1	412.9	610.0	855.3	1134.3	1468.7
-32.5°	8.4	17.1	32.5	69.3	140.3	260.2	420.4	620.4	866.2	1146.3	1470.2
-35°	8.4	17.1	32.7	68.8	143.1	263.6	426.2	627.2	870.2	1150.7	1461.7
-37.5°	8.4	17.1	32.9	67.7	144.2	265.2	429.1	629.1	867.1	1147.3	1413.9
-40°	8.4	17.0	32.9	66.0	143.6	265.8	428.0	626.1	856.9	1136.7	1364.0
-42.5°	8.4	16.9	32.7	64.4	142.6	263.6	423.0	618.2	845.5	1090.6	1307.0
-45°	8.4	16.7	32.4	63.3	141.3	258.7	414.0	606.2	830.4	1035.4	1243.4
-47.5°	8.4	16.6	31.9	61.4	138.4	251.0	401.1	590.2	808.3	975.7	1175.9
-50°	8.4	16.4	31.3	60.8	134.1	240.7	386.9	569.0	760.4	920.5	1103.0
-52.5°	8.4	16.1	30.5	60.1	128.4	227.8	369.4	542.7	709.7	860.3	1025.6
-55°	8.4	15.8	29.6	58.9	121.2	216.2	348.1	511.8	656.3	795.3	950.8
-57.5°	8.4	15.5	28.6	57.0	112.7	203.2	323.3	478.9	599.8	729.1	870.5
-60°	8.4	15.2	27.4	54.6	103.1	188.2	295.9	435.2	541.7	660.3	787.4
-62.5°	8.4	14.8	26.4	51.5	96.8	171.2	271.6	387.2	486.7	588.3	704.9
-65°	8.4	14.4	25.3	48.0	89.5	152.3	244.7	340.6	430.2	522.4	619.0
-67.5°	8.4	14.0	24.1	43.9	81.3	135.1	215.3	300.0	372.2	457.0	541.6
-70°	8.4	13.6	22.8	39.4	72.3	120.0	183.7	258.6	325.5	390.3	467.3
-72.5°	8.4	13.1	21.4	36.1	62.5	103.7	158.0	216.5	278.4	338.1	395.4
-75°	8.4	12.6	20.0	32.9	52.0	86.3	131.9	178.9	230.7	285.6	338.5
-77.5°	8.4	12.1	18.5	29.5	45.0	68.0	104.5	142.0	183.9	231.3	281.0
-80°	8.4	11.6	17.0	26.0	38.7	54.8	76.0	104.0	136.0	172.4	213.0
-82.5°	8.4	11.1	15.4	22.4	32.1	44.4	59.3	71.9	87.1	112.2	140.5
-85°	8.4	10.5	13.8	18.7	25.3	33.8	44.0	52.5	61.6	71.4	81.9
-87.5°	8.4	10.0	12.1	14.9	18.5	23.0	28.3	32.8	37.7	42.9	48.4
-90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4



REPORT NUMBER: P701625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV5-S

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	18.4	20.0	21.5	23.1	25.7	28.4	31.0
87.5°	13.7	14.7	15.7	16.8	16.1	15.2	14.1	12.9	13.8	14.8	15.9
85°	19.0	20.9	23.6	25.8	25.7	25.8	26.2	26.9	28.7	30.2	31.4
82.5°	30.8	33.6	35.5	36.8	38.7	41.2	44.5	49.5	52.2	54.0	55.0
80°	44.0	46.3	48.2	51.7	57.9	65.1	73.0	81.5	84.3	84.6	83.7
77.5°	52.7	56.2	61.9	69.8	79.1	88.3	98.1	108.6	111.7	111.0	109.4
75°	58.4	65.3	73.9	84.6	96.0	107.7	120.0	131.4	134.6	131.2	126.7
72.5°	62.9	71.8	83.4	97.4	110.3	122.2	135.0	148.5	153.2	145.8	136.7
70°	66.0	77.4	91.3	106.0	120.7	133.6	145.6	158.6	166.0	153.5	135.4
67.5°	68.6	82.7	97.8	113.1	126.3	138.6	152.2	156.4	158.2	139.3	119.8
65°	72.5	87.5	101.3	114.8	129.0	133.1	136.0	138.9	135.9	114.4	93.2
62.5°	76.3	88.8	101.9	112.3	115.7	117.8	115.4	109.8	102.3	87.4	70.1
60°	77.4	88.4	97.0	100.1	101.1	96.8	90.1	83.4	75.5	63.2	51.3
57.5°	77.8	83.4	86.7	87.3	83.3	76.3	69.8	61.1	54.5	46.8	37.1
55°	76.0	74.8	76.4	73.8	67.9	60.6	52.9	47.0	39.2	34.6	28.9
52.5°	70.7	67.7	66.3	62.1	55.6	48.8	42.5	36.8	32.4	27.3	23.7
50°	66.1	62.1	57.7	52.6	47.6	43.0	35.9	31.9	28.1	24.2	21.1
47.5°	61.8	57.0	50.5	46.2	45.6	42.9	36.0	29.8	26.4	26.3	23.4
45°	57.9	54.0	46.4	47.2	48.6	48.4	43.6	29.2	32.4	33.1	31.4
42.5°	54.6	53.0	55.1	50.2	58.1	62.4	58.6	48.8	43.4	48.2	50.2
40°	55.1	54.3	72.6	72.1	73.2	84.6	90.1	83.1	64.0	75.9	81.3
37.5°	57.2	76.3	99.0	106.5	99.9	119.3	131.1	139.1	124.1	114.4	131.2
35°	60.8	103.8	137.7	153.7	154.6	165.8	196.3	208.8	198.8	183.5	197.0
32.5°	79.4	136.6	183.5	210.6	235.5	247.0	274.1	287.1	298.0	298.0	292.2
30°	118.8	180.0	236.6	273.6	333.4	387.8	376.0	378.9	419.0	459.9	479.8
27.5°	186.2	233.9	295.9	362.6	454.0	559.8	578.8	525.1	579.8	655.3	722.4
25°	270.9	396.5	359.0	468.7	620.8	767.7	845.8	883.0	808.3	918.3	1076.9
22.5°	388.0	602.7	604.7	584.3	808.4	1013.7	1206.1	1390.3	1485.6	1366.1	1531.1
20°	545.8	823.2	912.1	1010.6	1089.0	1293.4	1625.4	2027.5	2395.7	2604.2	2508.6
17.5°	727.1	1064.0	1267.9	1531.8	1792.5	1904.1	2115.6	2774.0	3488.9	4097.5	4424.7
15°	926.8	1321.2	1652.7	2106.5	2575.5	2928.9	3295.2	3861.0	4804.6	5845.8	6679.3
12.5°	1139.0	1590.5	2059.2	2722.6	3419.2	4000.4	4653.6	5513.9	6602.6	7901.3	9259.0
10°	1357.7	1867.2	2479.6	3366.2	4305.9	5103.9	6038.7	7167.2	8557.3	10175.4	11881.8
7.5°	1589.4	2137.9	2894.0	4022.3	5215.9	6223.0	7431.6	8804.9	10491.7	12415.2	14472.3
5°	1813.9	2393.4	3239.5	4549.9	5954.5	7167.4	8700.7	10404.9	12382.8	14595.3	17019.6
2.5°	2023.2	2638.1	3566.7	5032.7	6553.8	7813.1	9454.8	11287.2	13518.3	16126.8	18930.7
0°	2211.6	2869.0	3870.8	5477.5	7107.4	8413.7	10146.5	12095.5	14420.5	17283.2	20229.9
-2.5°	2293.3	2989.5	4007.9	5543.8	7093.6	8424.6	10091.9	12080.2	14322.3	17051.7	19942.1
-5°	2351.0	3091.2	4115.9	5567.8	7034.1	8385.3	9975.5	11973.4	14010.5	16438.3	19027.8
-7.5°	2387.5	3172.0	4193.9	5527.0	6839.8	8077.4	9460.7	11162.5	13019.9	15180.9	17460.7
-10°	2395.2	3163.3	4076.8	5260.9	6462.5	7597.1	8829.9	10307.7	11968.6	13858.5	15840.6
-12.5°	2320.7	3075.8	3911.8	4975.8	6071.8	7098.3	8177.7	9433.3	10872.7	12497.4	14252.1
-15°	2240.0	2976.7	3734.5	4678.7	5677.4	6589.4	7515.5	8556.8	9833.9	11314.1	12827.3
-17.5°	2157.1	2867.7	3548.4	4376.1	5288.0	6078.2	6888.7	7877.8	9022.1	10269.4	11501.1
-20°	2075.6	2750.5	3357.0	4074.0	4909.6	5655.7	6446.2	7315.3	8275.9	9292.4	10271.6



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1999.2	2626.6	3180.1	3820.7	4584.5	5299.9	6006.0	6752.6	7548.2	8371.1	9404.4
-25°	1947.9	2507.7	3025.7	3619.7	4279.2	4939.5	5562.3	6204.2	6889.0	7799.3	8756.4
-27.5°	1916.1	2406.4	2890.1	3417.8	3987.0	4584.0	5147.7	5713.9	6477.3	7296.4	8143.3
-30°	1884.8	2305.7	2748.8	3227.0	3745.2	4263.0	4748.3	5388.0	6099.8	6849.2	7602.5
-32.5°	1825.2	2199.9	2620.0	3062.6	3520.5	3968.9	4475.6	5104.6	5757.5	6416.4	7096.3
-35°	1751.3	2106.5	2493.7	2895.5	3306.0	3749.5	4263.2	4816.9	5416.8	6029.7	6700.7
-37.5°	1686.9	2005.0	2362.7	2737.4	3122.0	3558.8	4031.0	4548.5	5095.1	5668.3	6308.9
-40°	1615.4	1895.6	2238.7	2590.1	2951.2	3359.3	3804.2	4274.4	4777.6	5325.6	5900.5
-42.5°	1538.7	1808.6	2111.0	2438.8	2782.3	3155.5	3559.5	4001.6	4471.1	4970.0	5496.7
-45°	1467.5	1714.9	1981.1	2287.3	2604.9	2944.5	3319.0	3716.0	4160.8	4620.2	5094.6
-47.5°	1388.4	1617.3	1869.4	2125.6	2423.1	2736.1	3068.1	3443.6	3836.7	4263.3	4701.2
-50°	1303.1	1520.4	1742.2	1976.7	2236.9	2523.0	2826.3	3164.2	3528.0	3900.6	4294.6
-52.5°	1215.3	1415.0	1615.8	1824.6	2056.8	2311.0	2586.8	2885.8	3213.2	3554.9	3895.0
-55°	1121.7	1306.2	1484.8	1674.6	1877.1	2103.5	2347.1	2613.7	2888.4	3199.6	3499.1
-57.5°	1027.2	1189.6	1352.0	1524.4	1704.9	1894.4	2116.4	2342.1	2589.7	2845.6	3095.1
-60°	929.4	1071.1	1215.6	1371.3	1534.2	1706.0	1886.7	2088.3	2298.0	2505.0	2724.8
-62.5°	827.9	952.9	1080.1	1213.5	1360.0	1514.6	1676.1	1844.1	2017.1	2197.1	2374.7
-65°	730.0	835.9	946.9	1063.7	1181.1	1322.8	1465.8	1607.1	1758.3	1904.1	2046.5
-67.5°	630.3	730.8	824.1	915.2	1023.5	1145.1	1257.4	1385.5	1512.1	1632.0	1747.9
-70°	547.7	628.1	713.8	796.2	881.5	985.0	1095.1	1197.0	1292.9	1393.5	1502.1
-72.5°	468.2	545.8	617.5	683.3	769.7	866.6	956.9	1041.0	1132.4	1227.9	1315.8
-75°	395.4	463.1	533.0	597.9	669.7	754.3	845.3	930.9	1008.6	1085.9	1165.9
-77.5°	325.3	376.2	435.0	501.5	572.8	638.6	710.5	788.1	860.7	934.4	1012.6
-80°	249.7	286.0	326.0	372.0	425.1	483.1	545.4	611.7	669.8	723.1	775.8
-82.5°	168.0	195.7	223.7	251.9	281.5	312.7	347.2	389.4	427.1	464.9	503.3
-85°	93.0	104.7	123.8	143.2	159.7	177.1	195.4	214.6	232.5	250.0	267.1
-87.5°	54.2	60.3	66.7	73.4	77.8	82.0	86.1	89.9	95.0	99.9	104.7
-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):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	33.6	34.1	34.7	35.2	35.7	37.3	38.9	40.4	42.0	41.5	41.0
87.5°	17.0	16.7	16.4	16.1	15.8	17.4	19.1	20.7	22.4	20.6	18.7
85°	32.3	32.5	32.5	32.4	32.2	34.3	36.5	38.6	40.7	37.6	34.2
82.5°	55.4	54.4	52.5	49.9	46.6	45.9	45.0	43.7	42.1	40.3	38.7
80°	82.3	78.3	73.2	67.3	60.6	57.2	53.8	50.1	46.0	44.8	43.8
77.5°	106.0	98.9	90.2	80.8	70.7	64.7	59.5	54.2	48.7	47.5	47.1
75°	121.2	112.0	99.3	86.1	72.6	64.1	57.9	51.9	46.1	44.3	43.5
72.5°	125.8	112.9	98.2	81.7	65.9	55.8	50.1	45.0	40.4	38.5	37.5
70°	117.7	100.5	84.2	68.4	53.8	44.5	40.5	37.0	34.0	32.7	32.2
67.5°	99.4	81.4	66.1	52.9	42.3	35.5	33.2	31.1	29.2	28.0	27.2
65°	75.6	61.5	50.3	41.5	34.7	30.5	28.7	26.9	25.2	23.9	22.9
62.5°	55.5	45.2	38.6	33.6	29.7	26.9	25.1	23.6	22.4	21.4	20.6
60°	41.9	34.8	30.7	27.5	25.0	23.2	22.2	21.2	20.3	19.4	18.6
57.5°	31.9	27.7	24.7	23.2	22.0	21.2	20.4	19.4	18.4	17.5	16.6
55°	25.2	23.1	21.4	20.9	20.4	19.6	18.7	17.9	16.8	15.5	14.6
52.5°	21.2	21.0	21.0	20.6	20.0	19.4	18.8	17.5	16.2	15.0	14.2
50°	21.0	21.1	21.2	20.8	20.2	19.6	19.0	18.1	17.2	16.3	15.8
47.5°	21.8	22.1	23.3	21.3	21.0	21.6	21.2	20.4	20.1	19.7	19.1
45°	25.6	30.1	31.2	29.6	26.0	28.9	27.9	24.6	26.6	26.3	24.7
42.5°	45.7	50.4	54.1	51.8	44.3	46.8	46.8	41.8	43.2	43.3	41.4
40°	87.1	85.4	91.4	88.9	80.9	77.9	81.4	75.6	74.5	77.3	74.0
37.5°	143.4	144.3	141.7	142.0	139.1	131.3	136.0	134.3	129.6	138.6	139.7
35°	224.1	231.1	209.2	217.8	221.6	213.1	218.4	233.7	223.9	245.0	250.8
32.5°	332.3	346.7	336.4	326.4	343.0	356.1	362.3	394.7	403.3	422.5	445.1
30°	465.8	503.2	532.7	514.3	512.2	558.7	585.5	629.0	671.3	696.6	742.9
27.5°	743.3	731.7	802.0	822.8	776.5	850.8	951.7	970.9	1099.5	1109.9	1199.9
25°	1174.6	1168.6	1189.8	1291.8	1317.7	1354.9	1528.0	1619.4	1766.9	1846.6	1915.6
22.5°	1753.9	1917.6	1945.6	1898.7	2122.8	2269.3	2317.7	2580.8	2701.2	2880.9	2934.9
20°	2478.4	2859.3	3340.3	3347.8	3255.6	3677.7	3852.7	3991.0	4285.1	4489.9	4628.8
17.5°	4377.9	4375.0	5357.5	5900.2	5838.9	6142.8	7002.7	6914.0	7608.7	8029.9	8047.6
15°	7165.7	7685.3	8308.7	9293.3	10131.2	10806.7	11623.2	12689.9	13553.7	14568.4	15338.7
12.5°	10354.9	11378.2	12445.3	13568.4	14883.4	16376.8	18001.0	19423.0	21114.5	22594.7	24125.4
10°	13550.4	15171.2	16677.2	18355.6	20224.7	22214.0	24596.0	26677.2	29179.4	31373.9	32816.6
7.5°	16480.6	18424.9	20460.3	22900.0	25508.9	28006.9	30703.6	33622.7	36550.0	39085.6	41238.7
5°	19344.7	21530.2	23786.3	26473.7	29455.2	32585.3	35922.2	39374.5	42441.8	45330.2	47844.3
2.5°	21591.4	24094.9	26672.4	29711.3	32919.0	36091.1	39431.4	43147.9	46715.2	50093.4	52676.2
0°	22926.7	25438.6	27967.4	31187.1	34709.3	38118.0	41841.8	45798.8	49564.6	52794.8	55189.1
-2.5°	22394.7	24841.4	27396.6	30577.5	33970.8	37147.0	40705.0	44537.9	48185.3	51456.8	53941.8
-5°	21192.0	23387.1	25729.4	28670.6	31845.1	35000.7	38488.8	42135.1	45281.6	48185.4	50413.5
-7.5°	19500.8	21525.9	23710.3	26433.4	29352.7	32108.3	34959.5	37901.2	40764.6	43248.2	45081.3
-10°	17704.7	19537.9	21418.3	23602.0	26090.0	28495.1	30900.8	33584.0	35943.8	37994.2	39505.9
-12.5°	15903.4	17409.3	18892.8	20562.5	22697.5	24862.1	26942.7	29192.6	31072.3	32763.7	34108.7
-15°	14174.4	15346.8	16472.4	18088.5	19968.5	21567.1	22847.4	24885.2	26161.2	27664.8	28605.1
-17.5°	12567.3	13503.5	14871.5	16260.7	17602.0	18915.8	20393.0	21599.5	22851.9	24080.0	24888.2
-20°	11302.9	12460.7	13617.0	14746.9	15899.1	17153.1	18322.5	19462.6	20554.0	21498.0	22145.8



REPORT NUMBER: P701625 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	10479.8	11507.7	12481.0	13497.7	14620.2	15673.2	16661.2	17711.0	18644.3	19349.1	19876.2
-25°	9689.4	10583.3	11530.3	12547.5	13497.3	14383.6	15293.5	16103.8	16900.2	17487.0	17980.3
-27.5°	8977.1	9825.1	10758.1	11659.7	12506.2	13334.6	14107.8	14779.1	15442.6	15911.9	16402.4
-30°	8357.4	9216.4	10064.9	10866.4	11661.5	12412.0	13093.7	13731.2	14287.8	14745.0	15156.1
-32.5°	7889.4	8668.3	9423.9	10173.7	10927.3	11619.2	12216.0	12828.2	13340.4	13778.7	14151.1
-35°	7426.6	8159.0	8857.4	9544.5	10238.1	10905.2	11483.0	12016.1	12520.2	12912.5	13253.8
-37.5°	6975.3	7658.2	8304.4	8922.4	9557.0	10172.0	10699.0	11199.8	11650.4	12013.0	12336.7
-40°	6520.7	7146.3	7724.0	8299.7	8869.9	9385.3	9880.7	10341.9	10728.0	11062.2	11356.8
-42.5°	6050.9	6601.7	7122.9	7649.8	8170.6	8626.6	9063.9	9478.2	9806.8	10103.1	10358.1
-45°	5579.4	6064.1	6541.6	7015.0	7443.5	7864.5	8260.9	8610.8	8907.1	9169.4	9390.7
-47.5°	5125.6	5537.6	5974.4	6406.1	6774.3	7134.7	7481.3	7778.0	8035.3	8264.8	8459.5
-50°	4672.1	5039.7	5420.8	5791.2	6128.9	6445.1	6735.7	6994.9	7229.4	7427.7	7594.8
-52.5°	4223.1	4564.5	4890.2	5191.5	5498.2	5789.0	6059.3	6285.9	6491.4	6674.8	6822.0
-55°	3794.6	4096.4	4401.0	4657.4	4905.4	5147.7	5372.7	5575.1	5761.4	5929.8	6061.8
-57.5°	3362.1	3625.4	3879.9	4109.9	4332.4	4546.2	4728.5	4887.1	5035.8	5171.9	5288.3
-60°	2944.8	3164.2	3379.2	3571.2	3756.5	3934.3	4089.7	4224.7	4344.4	4449.9	4545.3
-62.5°	2553.1	2741.6	2912.9	3067.8	3212.9	3357.9	3490.3	3607.1	3708.5	3795.3	3870.0
-65°	2192.9	2348.9	2485.9	2614.3	2734.7	2856.9	2963.2	3059.1	3144.4	3216.2	3273.7
-67.5°	1872.6	1994.7	2108.8	2208.2	2310.6	2414.6	2510.8	2594.7	2667.1	2724.5	2769.1
-70°	1602.5	1701.4	1803.7	1902.8	2000.3	2089.6	2172.8	2247.1	2313.3	2362.6	2402.0
-72.5°	1396.4	1479.7	1574.0	1674.0	1766.6	1855.4	1940.1	2018.7	2092.0	2139.0	2175.7
-75°	1248.3	1334.4	1418.8	1502.0	1584.1	1662.2	1740.9	1821.3	1902.4	1950.2	1988.7
-77.5°	1084.7	1145.0	1207.8	1275.8	1348.1	1418.2	1486.8	1554.5	1620.8	1654.1	1679.4
-80°	831.6	879.7	927.0	974.8	1022.8	1072.2	1121.9	1171.3	1219.7	1242.2	1258.9
-82.5°	542.1	575.1	606.5	636.8	665.7	690.4	713.4	734.9	754.7	764.4	771.1
-85°	283.9	298.5	312.2	325.2	337.4	345.0	351.4	357.0	361.5	367.5	372.8
-87.5°	109.3	113.4	117.4	121.3	125.1	127.0	128.6	130.0	131.2	133.2	135.0
-90°	8.4	7.9	7.4	6.8	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°	40.4	39.9	41.0	42.0	41.0	39.9	40.4	41.0	41.5	42.0	40.4
87.5°	16.7	14.7	13.6	12.6	13.6	14.7	16.7	18.7	20.6	22.4	20.7
85°	30.8	27.2	25.2	23.1	25.2	27.2	30.8	34.2	37.6	40.7	38.6
82.5°	37.2	35.6	35.7	35.7	35.7	35.6	37.2	38.7	40.3	42.1	43.7
80°	42.9	41.9	42.0	42.0	42.0	41.9	42.9	43.8	44.8	46.0	50.1
77.5°	46.6	46.1	45.2	44.1	45.2	46.1	46.6	47.1	47.5	48.7	54.2
75°	42.8	42.1	42.0	42.0	42.0	42.1	42.8	43.5	44.3	46.1	51.9
72.5°	36.7	35.9	35.7	35.7	35.7	35.9	36.7	37.5	38.5	40.4	45.0
70°	31.8	31.6	30.6	29.4	30.6	31.6	31.8	32.2	32.7	34.0	37.0
67.5°	26.3	25.5	25.2	25.2	25.2	25.5	26.3	27.2	28.0	29.2	31.1
65°	22.1	21.3	21.0	21.0	21.0	21.3	22.1	22.9	23.9	25.2	26.9
62.5°	19.8	19.1	18.0	16.8	18.0	19.1	19.8	20.6	21.4	22.4	23.6
60°	17.8	17.1	15.9	14.7	15.9	17.1	17.8	18.6	19.4	20.3	21.2
57.5°	15.8	15.0	14.7	14.7	14.7	15.0	15.8	16.6	17.5	18.4	19.4
55°	13.8	13.0	12.6	12.6	12.6	13.0	13.8	14.6	15.5	16.8	17.9
52.5°	13.5	12.9	12.6	12.6	12.6	12.9	13.5	14.2	15.0	16.2	17.5
50°	15.4	14.9	14.7	14.7	14.7	14.9	15.4	15.8	16.3	17.2	18.1
47.5°	18.4	17.3	16.8	16.8	16.8	17.3	18.4	19.1	19.7	20.1	20.4
45°	24.2	23.4	23.0	23.1	23.0	23.4	24.2	24.7	26.3	26.6	24.6
42.5°	41.8	40.7	39.0	37.8	39.0	40.7	41.8	41.4	43.3	43.2	41.8
40°	74.2	72.6	70.1	69.3	70.1	72.6	74.2	74.0	77.3	74.5	75.6
37.5°	141.6	140.5	135.9	134.4	135.9	140.5	141.6	139.7	138.6	129.6	134.3
35°	250.3	252.2	247.9	247.8	247.9	252.2	250.3	250.8	245.0	223.9	233.7
32.5°	452.7	457.5	444.8	451.6	444.8	457.5	452.7	445.1	422.5	403.3	394.7
30°	741.4	758.0	750.7	754.0	750.7	758.0	741.4	742.9	696.6	671.3	629.0
27.5°	1208.7	1221.0	1195.6	1186.7	1195.6	1221.0	1208.7	1199.9	1109.9	1099.5	970.9
25°	1954.5	1962.2	1937.3	1947.0	1937.3	1962.2	1954.5	1915.6	1846.6	1766.9	1619.4
22.5°	3044.5	3015.3	2987.7	2961.4	2987.7	3015.3	3044.5	2934.9	2880.9	2701.2	2580.8
20°	4757.9	4690.7	4681.6	4631.1	4681.6	4690.7	4757.9	4628.8	4489.9	4285.1	3991.0
17.5°	8477.1	8599.2	8328.3	7804.7	8328.3	8599.2	8477.1	8047.6	8029.9	7608.7	6914.0
15°	15792.4	16365.5	16611.7	16010.5	16611.7	16365.5	15792.4	15338.7	14568.4	13553.7	12689.9
12.5°	24970.3	25373.8	25862.5	25505.9	25862.5	25373.8	24970.3	24125.4	22594.7	21114.5	19423.0
10°	34055.9	34660.0	35399.6	35066.3	35399.6	34660.0	34055.9	32816.6	31373.9	29179.4	26677.2
7.5°	42423.6	43464.4	44114.4	43696.4	44114.4	43464.4	42423.6	41238.7	39085.6	36550.0	33622.7
5°	49564.9	50387.7	50779.6	50671.4	50779.6	50387.7	49564.9	47844.3	45330.2	42441.8	39374.5
2.5°	54144.7	55013.3	55364.3	55072.6	55364.3	55013.3	54144.7	52676.2	50093.4	46715.2	43147.9
0°	56383.1	57197.0	57755.7	57799.8	57755.7	57197.0	56383.1	55189.1	52794.8	49564.6	45798.8
-2.5°	55089.6	55584.2	55851.4	55673.3	55851.4	55584.2	55089.6	53941.8	51456.8	48185.3	44537.9
-5°	51701.6	52224.7	52394.4	52601.6	52394.4	52224.7	51701.6	50413.5	48185.4	45281.6	42135.1
-7.5°	46112.5	46686.2	47109.3	47091.5	47109.3	46686.2	46112.5	45081.3	43248.2	40764.6	37901.2
-10°	40630.4	41056.6	41498.0	41423.9	41498.0	41056.6	40630.4	39505.9	37994.2	35943.8	33584.0
-12.5°	35197.3	35908.5	36081.3	36029.3	36081.3	35908.5	35197.3	34108.7	32763.7	31072.3	29192.6
-15°	29675.6	30202.5	30159.3	30019.3	30159.3	30202.5	29675.6	28605.1	27664.8	26161.2	24885.2
-17.5°	25587.5	25878.1	25989.1	25879.7	25989.1	25878.1	25587.5	24888.2	24080.0	22851.9	21599.5
-20°	22678.5	22903.1	22978.7	23029.6	22978.7	22903.1	22678.5	22145.8	21498.0	20554.0	19462.6



REPORT NUMBER: P701625 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20330.2	20559.6	20626.0	20713.0	20626.0	20559.6	20330.2	19876.2	19349.1	18644.3	17711.0
-25°	18360.8	18585.0	18660.7	18747.1	18660.7	18585.0	18360.8	17980.3	17487.0	16900.2	16103.8
-27.5°	16731.3	16950.1	17041.2	17106.8	17041.2	16950.1	16731.3	16402.4	15911.9	15442.6	14779.1
-30°	15448.1	15663.6	15793.8	15836.1	15793.8	15663.6	15448.1	15156.1	14745.0	14287.8	13731.2
-32.5°	14430.1	14618.2	14740.6	14802.8	14740.6	14618.2	14430.1	14151.1	13778.7	13340.4	12828.2
-35°	13523.3	13712.2	13839.4	13903.9	13839.4	13712.2	13523.3	13253.8	12912.5	12520.2	12016.1
-37.5°	12596.0	12801.6	12936.2	12939.8	12936.2	12801.6	12596.0	12336.7	12013.0	11650.4	11199.8
-40°	11573.1	11736.1	11842.9	11885.5	11842.9	11736.1	11573.1	11356.8	11062.2	10728.0	10341.9
-42.5°	10547.0	10685.5	10772.0	10808.1	10772.0	10685.5	10547.0	10358.1	10103.1	9806.8	9478.2
-45°	9567.4	9707.0	9779.1	9768.4	9779.1	9707.0	9567.4	9390.7	9169.4	8907.1	8610.8
-47.5°	8609.0	8717.3	8776.4	8789.7	8776.4	8717.3	8609.0	8459.5	8264.8	8035.3	7778.0
-50°	7736.6	7851.4	7900.4	7886.6	7900.4	7851.4	7736.6	7594.8	7427.7	7229.4	6994.9
-52.5°	6943.3	7040.8	7083.2	7078.0	7083.2	7040.8	6943.3	6822.0	6674.8	6491.4	6285.9
-55°	6169.7	6254.1	6287.6	6281.9	6287.6	6254.1	6169.7	6061.8	5929.8	5761.4	5575.1
-57.5°	5384.7	5460.7	5483.2	5469.1	5483.2	5460.7	5384.7	5288.3	5171.9	5035.8	4887.1
-60°	4624.5	4686.9	4706.4	4698.3	4706.4	4686.9	4624.5	4545.3	4449.9	4344.4	4224.7
-62.5°	3931.7	3979.9	3999.8	4001.0	3999.8	3979.9	3931.7	3870.0	3795.3	3708.5	3607.1
-65°	3320.4	3356.2	3372.1	3375.2	3372.1	3356.2	3320.4	3273.7	3216.2	3144.4	3059.1
-67.5°	2805.1	2833.0	2842.8	2843.8	2842.8	2833.0	2805.1	2769.1	2724.5	2667.1	2594.7
-70°	2437.2	2468.4	2481.4	2488.8	2481.4	2468.4	2437.2	2402.0	2362.6	2313.3	2247.1
-72.5°	2210.1	2242.1	2257.1	2268.3	2257.1	2242.1	2210.1	2175.7	2139.0	2092.0	2018.7
-75°	2025.2	2059.2	2069.8	2075.1	2069.8	2059.2	2025.2	1988.7	1950.2	1902.4	1821.3
-77.5°	1701.4	1719.6	1726.4	1728.5	1726.4	1719.6	1701.4	1679.4	1654.1	1620.8	1554.5
-80°	1272.2	1281.8	1300.0	1314.8	1300.0	1281.8	1272.2	1258.9	1242.2	1219.7	1171.3
-82.5°	775.2	776.8	787.4	796.0	787.4	776.8	775.2	771.1	764.4	754.7	734.9
-85°	377.1	380.4	389.1	397.0	389.1	380.4	377.1	372.8	367.5	361.5	357.0
-87.5°	136.7	138.2	137.5	136.5	137.5	138.2	136.7	135.0	133.2	131.2	130.0
-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°	38.9	37.3	35.7	35.2	34.7	34.1	33.6	31.0	28.4	25.7	23.1
87.5°	19.1	17.4	15.8	16.1	16.4	16.7	17.0	15.9	14.8	13.8	12.9
85°	36.5	34.3	32.2	32.4	32.5	32.5	32.3	31.4	30.2	28.7	26.9
82.5°	45.0	45.9	46.6	49.9	52.5	54.4	55.4	55.0	54.0	52.2	49.5
80°	53.8	57.2	60.6	67.3	73.2	78.3	82.3	83.7	84.6	84.3	81.5
77.5°	59.5	64.7	70.7	80.8	90.2	98.9	106.0	109.4	111.0	111.7	108.6
75°	57.9	64.1	72.6	86.1	99.3	112.0	121.2	126.7	131.2	134.6	131.4
72.5°	50.1	55.8	65.9	81.7	98.2	112.9	125.8	136.7	145.8	153.2	148.5
70°	40.5	44.5	53.8	68.4	84.2	100.5	117.7	135.4	153.5	166.0	158.6
67.5°	33.2	35.5	42.3	52.9	66.1	81.4	99.4	119.8	139.3	158.2	156.4
65°	28.7	30.5	34.7	41.5	50.3	61.5	75.6	93.2	114.4	135.9	138.9
62.5°	25.1	26.9	29.7	33.6	38.6	45.2	55.5	70.1	87.4	102.3	109.8
60°	22.2	23.2	25.0	27.5	30.7	34.8	41.9	51.3	63.2	75.5	83.4
57.5°	20.4	21.2	22.0	23.2	24.7	27.7	31.9	37.1	46.8	54.5	61.1
55°	18.7	19.6	20.4	20.9	21.4	23.1	25.2	28.9	34.6	39.2	47.0
52.5°	18.8	19.4	20.0	20.6	21.0	21.0	21.2	23.7	27.3	32.4	36.8
50°	19.0	19.6	20.2	20.8	21.2	21.1	21.0	21.1	24.2	28.1	31.9
47.5°	21.2	21.6	21.0	21.3	23.3	22.1	21.8	23.4	26.3	26.4	29.8
45°	27.9	28.9	26.0	29.6	31.2	30.1	25.6	31.4	33.1	32.4	29.2
42.5°	46.8	46.8	44.3	51.8	54.1	50.4	45.7	50.2	48.2	43.4	48.8
40°	81.4	77.9	80.9	88.9	91.4	85.4	87.1	81.3	75.9	64.0	83.1
37.5°	136.0	131.3	139.1	142.0	141.7	144.3	143.4	131.2	114.4	124.1	139.1
35°	218.4	213.1	221.6	217.8	209.2	231.1	224.1	197.0	183.5	198.8	208.8
32.5°	362.3	356.1	343.0	326.4	336.4	346.7	332.3	292.2	298.0	298.0	287.1
30°	585.5	558.7	512.2	514.3	532.7	503.2	465.8	479.8	459.9	419.0	378.9
27.5°	951.7	850.8	776.5	822.8	802.0	731.7	743.3	722.4	655.3	579.8	525.1
25°	1528.0	1354.9	1317.7	1291.8	1189.8	1168.6	1174.6	1076.9	918.3	808.3	883.0
22.5°	2317.7	2269.3	2122.8	1898.7	1945.6	1917.6	1753.9	1531.1	1366.1	1485.6	1390.3
20°	3852.7	3677.7	3255.6	3347.8	3340.3	2859.3	2478.4	2508.6	2604.2	2395.7	2027.5
17.5°	7002.7	6142.8	5838.9	5900.2	5357.5	4375.0	4377.9	4424.7	4097.5	3488.9	2774.0
15°	11623.2	10806.7	10131.2	9293.3	8308.7	7685.3	7165.7	6679.3	5845.8	4804.6	3861.0
12.5°	18001.0	16376.8	14883.4	13568.4	12445.3	11378.2	10354.9	9259.0	7901.3	6602.6	5513.9
10°	24596.0	22214.0	20224.7	18355.6	16677.2	15171.2	13550.4	11881.8	10175.4	8557.3	7167.2
7.5°	30703.6	28006.9	25508.9	22900.0	20460.3	18424.9	16480.6	14472.3	12415.2	10491.7	8804.9
5°	35922.2	32585.3	29455.2	26473.7	23786.3	21530.2	19344.7	17019.6	14595.3	12382.8	10404.9
2.5°	39431.4	36091.1	32919.0	29711.3	26672.4	24094.9	21591.4	18930.7	16126.8	13518.3	11287.2
0°	41841.8	38118.0	34709.3	31187.1	27967.4	25438.6	22926.7	20229.9	17283.2	14420.5	12095.5
-2.5°	40705.0	37147.0	33970.8	30577.5	27396.6	24841.4	22394.7	19942.1	17051.7	14322.3	12080.2
-5°	38488.8	35000.7	31845.1	28670.6	25729.4	23387.1	21192.0	19027.8	16438.3	14010.5	11973.4
-7.5°	34959.5	32108.3	29352.7	26433.4	23710.3	21525.9	19500.8	17460.7	15180.9	13019.9	11162.5
-10°	30900.8	28495.1	26090.0	23602.0	21418.3	19537.9	17704.7	15840.6	13858.5	11968.6	10307.7
-12.5°	26942.7	24862.1	22697.5	20562.5	18892.8	17409.3	15903.4	14252.1	12497.4	10872.7	9433.3
-15°	22847.4	21567.1	19968.5	18088.5	16472.4	15346.8	14174.4	12827.3	11314.1	9833.9	8556.8
-17.5°	20393.0	18915.8	17602.0	16260.7	14871.5	13503.5	12567.3	11501.1	10269.4	9022.1	7877.8
-20°	18322.5	17153.1	15899.1	14746.9	13617.0	12460.7	11302.9	10271.6	9292.4	8275.9	7315.3



REPORT NUMBER: P701625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16661.2	15673.2	14620.2	13497.7	12481.0	11507.7	10479.8	9404.4	8371.1	7548.2	6752.6
-25°	15293.5	14383.6	13497.3	12547.5	11530.3	10583.3	9689.4	8756.4	7799.3	6889.0	6204.2
-27.5°	14107.8	13334.6	12506.2	11659.7	10758.1	9825.1	8977.1	8143.3	7296.4	6477.3	5713.9
-30°	13093.7	12412.0	11661.5	10866.4	10064.9	9216.4	8357.4	7602.5	6849.2	6099.8	5388.0
-32.5°	12216.0	11619.2	10927.3	10173.7	9423.9	8668.3	7889.4	7096.3	6416.4	5757.5	5104.6
-35°	11483.0	10905.2	10238.1	9544.5	8857.4	8159.0	7426.6	6700.7	6029.7	5416.8	4816.9
-37.5°	10699.0	10172.0	9557.0	8922.4	8304.4	7658.2	6975.3	6308.9	5668.3	5095.1	4548.5
-40°	9880.7	9385.3	8869.9	8299.7	7724.0	7146.3	6520.7	5900.5	5325.6	4777.6	4274.4
-42.5°	9063.9	8626.6	8170.6	7649.8	7122.9	6601.7	6050.9	5496.7	4970.0	4471.1	4001.6
-45°	8260.9	7864.5	7443.5	7015.0	6541.6	6064.1	5579.4	5094.6	4620.2	4160.8	3716.0
-47.5°	7481.3	7134.7	6774.3	6406.1	5974.4	5537.6	5125.6	4701.2	4263.3	3836.7	3443.6
-50°	6735.7	6445.1	6128.9	5791.2	5420.8	5039.7	4672.1	4294.6	3900.6	3528.0	3164.2
-52.5°	6059.3	5789.0	5498.2	5191.5	4890.2	4564.5	4223.1	3895.0	3554.9	3213.2	2885.8
-55°	5372.7	5147.7	4905.4	4657.4	4401.0	4096.4	3794.6	3499.1	3199.6	2888.4	2613.7
-57.5°	4728.5	4546.2	4332.4	4109.9	3879.9	3625.4	3362.1	3095.1	2845.6	2589.7	2342.1
-60°	4089.7	3934.3	3756.5	3571.2	3379.2	3164.2	2944.8	2724.8	2505.0	2298.0	2088.3
-62.5°	3490.3	3357.9	3212.9	3067.8	2912.9	2741.6	2553.1	2374.7	2197.1	2017.1	1844.1
-65°	2963.2	2856.9	2734.7	2614.3	2485.9	2348.9	2192.9	2046.5	1904.1	1758.3	1607.1
-67.5°	2510.8	2414.6	2310.6	2208.2	2108.8	1994.7	1872.6	1747.9	1632.0	1512.1	1385.5
-70°	2172.8	2089.6	2000.3	1902.8	1803.7	1701.4	1602.5	1502.1	1393.5	1292.9	1197.0
-72.5°	1940.1	1855.4	1766.6	1674.0	1574.0	1479.7	1396.4	1315.8	1227.9	1132.4	1041.0
-75°	1740.9	1662.2	1584.1	1502.0	1418.8	1334.4	1248.3	1165.9	1085.9	1008.6	930.9
-77.5°	1486.8	1418.2	1348.1	1275.8	1207.8	1145.0	1084.7	1012.6	934.4	860.7	788.1
-80°	1121.9	1072.2	1022.8	974.8	927.0	879.7	831.6	775.8	723.1	669.8	611.7
-82.5°	713.4	690.4	665.7	636.8	606.5	575.1	542.1	503.3	464.9	427.1	389.4
-85°	351.4	345.0	337.4	325.2	312.2	298.5	283.9	267.1	250.0	232.5	214.6
-87.5°	128.6	127.0	125.1	121.3	117.4	113.4	109.3	104.7	99.9	95.0	89.9
-90°	5.3	5.8	6.3	6.8	7.4	7.9	8.4	8.4	8.4	8.4	8.4



REPORT NUMBER: P701625 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	21.5	20.0	18.4	16.8	16.3	15.8	15.2	14.7	14.2	13.7	13.1
87.5°	14.1	15.2	16.1	16.8	15.7	14.7	13.7	12.8	13.0	13.1	13.0
85°	26.2	25.8	25.7	25.8	23.6	20.9	19.0	17.3	17.7	17.8	17.6
82.5°	44.5	41.2	38.7	36.8	35.5	33.6	30.8	27.2	24.3	22.6	22.2
80°	73.0	65.1	57.9	51.7	48.2	46.3	44.0	40.1	33.8	29.2	26.5
77.5°	98.1	88.3	79.1	69.8	61.9	56.2	52.7	50.3	42.9	35.5	30.4
75°	120.0	107.7	96.0	84.6	73.9	65.3	58.4	53.4	47.2	41.2	34.1
72.5°	135.0	122.2	110.3	97.4	83.4	71.8	62.9	56.2	49.6	43.2	37.0
70°	145.6	133.6	120.7	106.0	91.3	77.4	66.0	58.3	51.8	45.0	38.5
67.5°	152.2	138.6	126.3	113.1	97.8	82.7	68.6	60.2	53.4	46.7	39.9
65°	136.0	133.1	129.0	114.8	101.3	87.5	72.5	62.5	55.0	48.1	41.2
62.5°	115.4	117.8	115.7	112.3	101.9	88.8	76.3	66.1	56.7	49.4	42.3
60°	90.1	96.8	101.1	100.1	97.0	88.4	77.4	69.4	59.4	50.5	43.3
57.5°	69.8	76.3	83.3	87.3	86.7	83.4	77.8	70.6	61.8	52.3	44.4
55°	52.9	60.6	67.9	73.8	76.4	74.8	76.0	70.8	63.5	54.0	45.8
52.5°	42.5	48.8	55.6	62.1	66.3	67.7	70.7	70.9	63.6	55.4	47.7
50°	35.9	43.0	47.6	52.6	57.7	62.1	66.1	67.4	63.5	56.3	49.7
47.5°	36.0	42.9	45.6	46.2	50.5	57.0	61.8	64.0	63.4	56.1	51.7
45°	43.6	48.4	48.6	47.2	46.4	54.0	57.9	61.0	60.9	57.4	53.8
42.5°	58.6	62.4	58.1	50.2	55.1	53.0	54.6	58.2	58.7	59.0	55.4
40°	90.1	84.6	73.2	72.1	72.6	54.3	55.1	55.7	57.3	60.4	56.9
37.5°	131.1	119.3	99.9	106.5	99.0	76.3	57.2	53.7	58.8	61.5	58.6
35°	196.3	165.8	154.6	153.7	137.7	103.8	60.8	54.0	61.3	63.2	60.4
32.5°	274.1	247.0	235.5	210.6	183.5	136.6	79.4	64.6	65.3	65.3	62.2
30°	376.0	387.8	333.4	273.6	236.6	180.0	118.8	77.8	70.6	67.9	64.2
27.5°	578.8	559.8	454.0	362.6	295.9	233.9	186.2	93.5	77.2	71.4	66.2
25°	845.8	767.7	620.8	468.7	359.0	396.5	270.9	113.2	88.4	76.5	68.4
22.5°	1206.1	1013.7	808.4	584.3	604.7	602.7	388.0	177.6	102.5	82.3	70.8
20°	1625.4	1293.4	1089.0	1010.6	912.1	823.2	545.8	251.1	117.7	88.6	73.4
17.5°	2115.6	1904.1	1792.5	1531.8	1267.9	1064.0	727.1	331.7	133.8	95.4	76.2
15°	3295.2	2928.9	2575.5	2106.5	1652.7	1321.2	926.8	417.5	150.5	102.5	83.8
12.5°	4653.6	4000.4	3419.2	2722.6	2059.2	1590.5	1139.0	506.1	167.5	119.0	98.1
10°	6038.7	5103.9	4305.9	3366.2	2479.6	1867.2	1357.7	605.1	207.4	143.0	112.8
7.5°	7431.6	6223.0	5215.9	4022.3	2894.0	2137.9	1589.4	723.1	251.3	167.4	127.8
5°	8700.7	7167.4	5954.5	4549.9	3239.5	2393.4	1813.9	836.4	295.4	191.9	142.8
2.5°	9454.8	7813.1	6553.8	5032.7	3566.7	2638.1	2023.2	942.2	338.6	216.0	157.7
0°	10146.5	8413.7	7107.4	5477.5	3870.8	2869.0	2211.6	1037.5	380.2	239.4	172.2
-2.5°	10091.9	8424.6	7093.6	5543.8	4007.9	2989.5	2293.3	1154.3	495.7	323.1	227.4
-5°	9975.5	8385.3	7034.1	5567.8	4115.9	3091.2	2351.0	1257.8	607.2	404.7	281.2
-7.5°	9460.7	8077.4	6839.8	5527.0	4193.9	3172.0	2387.5	1348.4	713.4	482.8	332.9
-10°	8829.9	7597.1	6462.5	5260.9	4076.8	3163.3	2395.2	1426.4	812.8	556.5	381.6
-12.5°	8177.7	7098.3	6071.8	4975.8	3911.8	3075.8	2320.7	1458.1	900.5	624.5	426.7
-15°	7515.5	6589.4	5677.4	4678.7	3734.5	2976.7	2240.0	1464.9	953.7	680.1	467.5
-17.5°	6888.7	6078.2	5288.0	4376.1	3548.4	2867.7	2157.1	1465.1	1000.1	722.5	502.9
-20°	6446.2	5655.7	4909.6	4074.0	3357.0	2750.5	2075.6	1459.8	1039.4	759.8	533.6



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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°	6006.0	5299.9	4584.5	3820.7	3180.1	2626.6	1999.2	1450.2	1071.1	791.9	559.9
-25°	5562.3	4939.5	4279.2	3619.7	3025.7	2507.7	1947.9	1437.3	1095.0	818.3	581.5
-27.5°	5147.7	4584.0	3987.0	3417.8	2890.1	2406.4	1916.1	1457.1	1114.7	838.9	598.3
-30°	4748.3	4263.0	3745.2	3227.0	2748.8	2305.7	1884.8	1468.7	1134.3	855.3	610.0
-32.5°	4475.6	3968.9	3520.5	3062.6	2620.0	2199.9	1825.2	1470.2	1146.3	866.2	620.4
-35°	4263.2	3749.5	3306.0	2895.5	2493.7	2106.5	1751.3	1461.7	1150.7	870.2	627.2
-37.5°	4031.0	3558.8	3122.0	2737.4	2362.7	2005.0	1686.9	1413.9	1147.3	867.1	629.1
-40°	3804.2	3359.3	2951.2	2590.1	2238.7	1895.6	1615.4	1364.0	1136.7	856.9	626.1
-42.5°	3559.5	3155.5	2782.3	2438.8	2111.0	1808.6	1538.7	1307.0	1090.6	845.5	618.2
-45°	3319.0	2944.5	2604.9	2287.3	1981.1	1714.9	1467.5	1243.4	1035.4	830.4	606.2
-47.5°	3068.1	2736.1	2423.1	2125.6	1869.4	1617.3	1388.4	1175.9	975.7	808.3	590.2
-50°	2826.3	2523.0	2236.9	1976.7	1742.2	1520.4	1303.1	1103.0	920.5	760.4	569.0
-52.5°	2586.8	2311.0	2056.8	1824.6	1615.8	1415.0	1215.3	1025.6	860.3	709.7	542.7
-55°	2347.1	2103.5	1877.1	1674.6	1484.8	1306.2	1121.7	950.8	795.3	656.3	511.8
-57.5°	2116.4	1894.4	1704.9	1524.4	1352.0	1189.6	1027.2	870.5	729.1	599.8	478.9
-60°	1886.7	1706.0	1534.2	1371.3	1215.6	1071.1	929.4	787.4	660.3	541.7	435.2
-62.5°	1676.1	1514.6	1360.0	1213.5	1080.1	952.9	827.9	704.9	588.3	486.7	387.2
-65°	1465.8	1322.8	1181.1	1063.7	946.9	835.9	730.0	619.0	522.4	430.2	340.6
-67.5°	1257.4	1145.1	1023.5	915.2	824.1	730.8	630.3	541.6	457.0	372.2	300.0
-70°	1095.1	985.0	881.5	796.2	713.8	628.1	547.7	467.3	390.3	325.5	258.6
-72.5°	956.9	866.6	769.7	683.3	617.5	545.8	468.2	395.4	338.1	278.4	216.5
-75°	845.3	754.3	669.7	597.9	533.0	463.1	395.4	338.5	285.6	230.7	178.9
-77.5°	710.5	638.6	572.8	501.5	435.0	376.2	325.3	281.0	231.3	183.9	142.0
-80°	545.4	483.1	425.1	372.0	326.0	286.0	249.7	213.0	172.4	136.0	104.0
-82.5°	347.2	312.7	281.5	251.9	223.7	195.7	168.0	140.5	112.2	87.1	71.9
-85°	195.4	177.1	159.7	143.2	123.8	104.7	93.0	81.9	71.4	61.6	52.5
-87.5°	86.1	82.0	77.8	73.4	66.7	60.3	54.2	48.4	42.9	37.7	32.8
-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):

	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°	12.7	11.7	10.8	10.0	9.3	8.8	8.4
85°	17.1	15.0	13.1	11.5	10.2	9.1	8.4
82.5°	21.3	18.2	15.5	13.1	11.1	9.5	8.4
80°	25.3	21.4	17.8	14.6	12.0	9.9	8.4
77.5°	27.3	23.8	20.0	16.1	12.9	10.2	8.4
75°	29.1	24.9	21.9	17.6	13.8	10.6	8.4
72.5°	30.8	25.8	22.3	19.1	14.6	10.9	8.4
70°	32.4	26.7	22.6	20.2	15.4	11.2	8.4
67.5°	33.6	27.4	22.8	20.1	16.2	11.6	8.4
65°	34.8	28.3	23.0	20.0	16.9	11.9	8.4
62.5°	36.1	29.4	23.0	19.8	17.7	12.2	8.4
60°	37.3	30.6	23.0	19.6	18.3	12.5	8.4
57.5°	38.7	31.7	23.9	19.3	18.2	12.7	8.4
55°	40.1	32.7	24.8	19.0	18.0	13.0	8.4
52.5°	41.6	33.9	25.7	18.6	17.9	13.2	8.4
50°	43.2	35.3	26.6	18.2	17.7	13.5	8.4
47.5°	44.9	36.7	27.4	18.0	17.6	13.7	8.4
45°	46.6	38.2	28.2	18.6	17.6	13.9	8.4
42.5°	48.4	39.6	29.0	19.1	17.5	14.1	8.4
40°	50.1	41.1	29.9	20.0	17.5	14.3	8.4
37.5°	51.8	42.6	31.0	21.1	17.5	14.4	8.4
35°	53.5	43.9	32.1	22.3	17.5	14.5	8.4
32.5°	55.0	45.2	33.1	23.4	17.5	14.7	8.4
30°	56.5	46.4	34.1	24.5	17.6	14.8	8.4
27.5°	58.0	47.6	36.2	25.6	17.6	14.8	8.4
25°	59.5	48.7	38.5	26.7	17.7	14.9	8.4
22.5°	60.9	50.6	40.7	27.8	17.8	15.0	8.4
20°	62.4	54.5	43.0	28.9	17.9	15.0	8.4
17.5°	67.8	58.7	45.2	29.9	18.1	15.0	8.4
15°	76.0	63.0	47.4	30.9	18.2	15.0	8.4
12.5°	84.5	67.3	49.6	31.9	18.3	15.0	8.4
10°	93.3	71.7	51.7	32.8	18.4	15.0	8.4
7.5°	102.2	76.0	53.6	33.6	18.6	14.9	8.4
5°	111.0	80.3	55.5	34.4	18.7	14.9	8.4
2.5°	119.7	84.3	57.2	35.1	18.8	14.8	8.4
0°	128.1	88.2	58.8	35.7	18.9	14.7	8.4
-2.5°	161.6	107.3	68.7	40.1	20.4	15.0	8.4
-5°	194.1	126.0	78.3	44.3	21.8	15.3	8.4
-7.5°	225.4	143.8	87.5	48.3	23.2	15.6	8.4
-10°	254.8	160.7	96.2	52.1	24.5	15.9	8.4
-12.5°	282.1	176.4	104.2	55.7	25.8	16.1	8.4
-15°	306.9	190.7	111.6	58.9	27.0	16.3	8.4
-17.5°	328.7	203.3	118.1	61.7	28.1	16.5	8.4
-20°	349.2	214.2	123.7	64.1	29.1	16.7	8.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	369.9	223.1	128.3	66.2	30.0	16.9	8.4
-25°	387.5	234.5	131.8	67.7	30.8	17.0	8.4
-27.5°	401.9	245.5	134.2	68.8	31.5	17.1	8.4
-30°	412.9	254.1	135.9	69.3	32.1	17.1	8.4
-32.5°	420.4	260.2	140.3	69.3	32.5	17.1	8.4
-35°	426.2	263.6	143.1	68.8	32.7	17.1	8.4
-37.5°	429.1	265.2	144.2	67.7	32.9	17.1	8.4
-40°	428.0	265.8	143.6	66.0	32.9	17.0	8.4
-42.5°	423.0	263.6	142.6	64.4	32.7	16.9	8.4
-45°	414.0	258.7	141.3	63.3	32.4	16.7	8.4
-47.5°	401.1	251.0	138.4	61.4	31.9	16.6	8.4
-50°	386.9	240.7	134.1	60.8	31.3	16.4	8.4
-52.5°	369.4	227.8	128.4	60.1	30.5	16.1	8.4
-55°	348.1	216.2	121.2	58.9	29.6	15.8	8.4
-57.5°	323.3	203.2	112.7	57.0	28.6	15.5	8.4
-60°	295.9	188.2	103.1	54.6	27.4	15.2	8.4
-62.5°	271.6	171.2	96.8	51.5	26.4	14.8	8.4
-65°	244.7	152.3	89.5	48.0	25.3	14.4	8.4
-67.5°	215.3	135.1	81.3	43.9	24.1	14.0	8.4
-70°	183.7	120.0	72.3	39.4	22.8	13.6	8.4
-72.5°	158.0	103.7	62.5	36.1	21.4	13.1	8.4
-75°	131.9	86.3	52.0	32.9	20.0	12.6	8.4
-77.5°	104.5	68.0	45.0	29.5	18.5	12.1	8.4
-80°	76.0	54.8	38.7	26.0	17.0	11.6	8.4
-82.5°	59.3	44.4	32.1	22.4	15.4	11.1	8.4
-85°	44.0	33.8	25.3	18.7	13.8	10.5	8.4
-87.5°	28.3	23.0	18.5	14.9	12.1	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

