

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: P701745 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701745 (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-57-80-7F-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

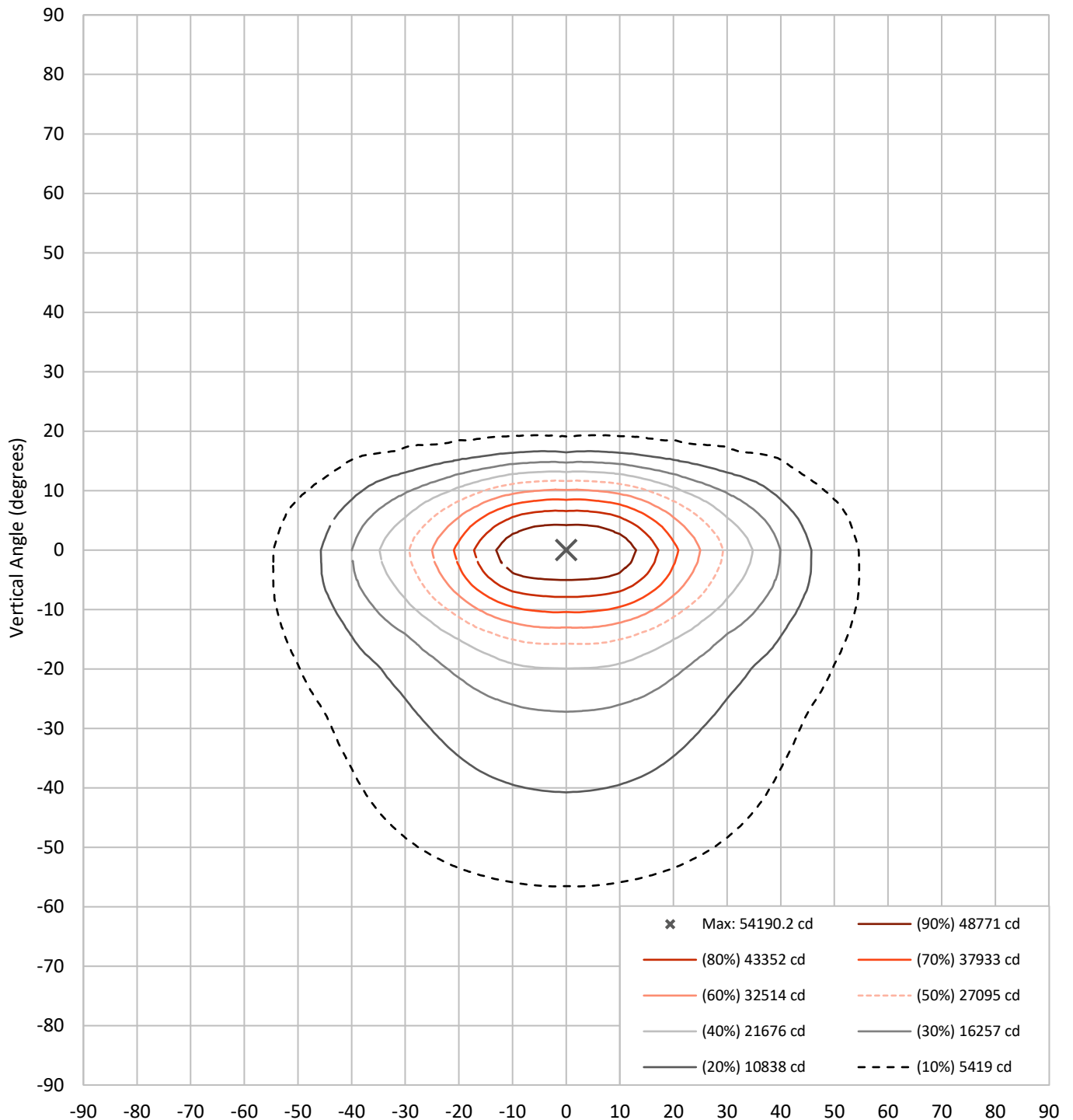
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	36462.7 lumens	Max Intensity:	54190.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	52.3 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:	14394 lumens	Field Lumens:	32087.9 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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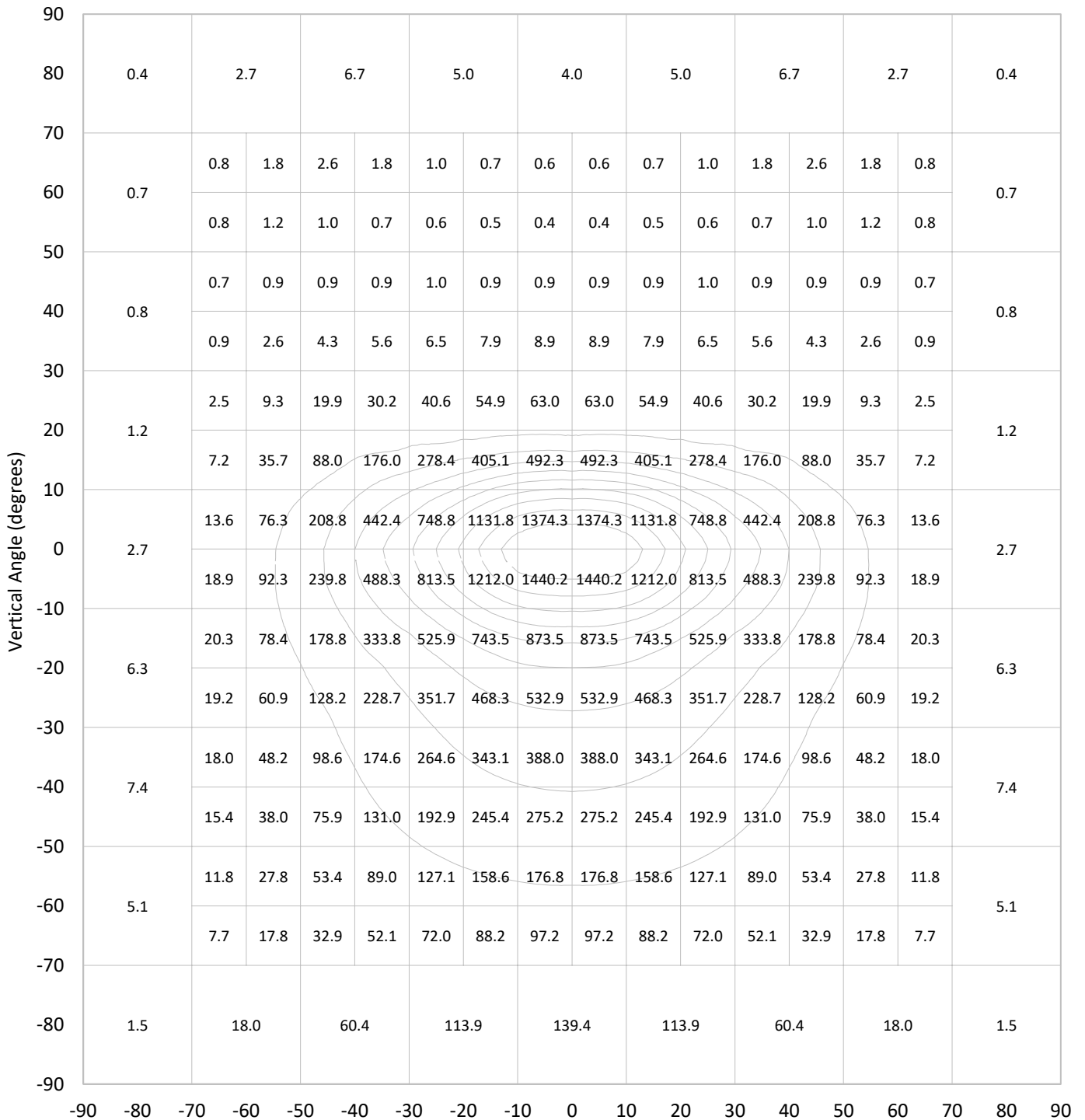
Iso-Candela Plot





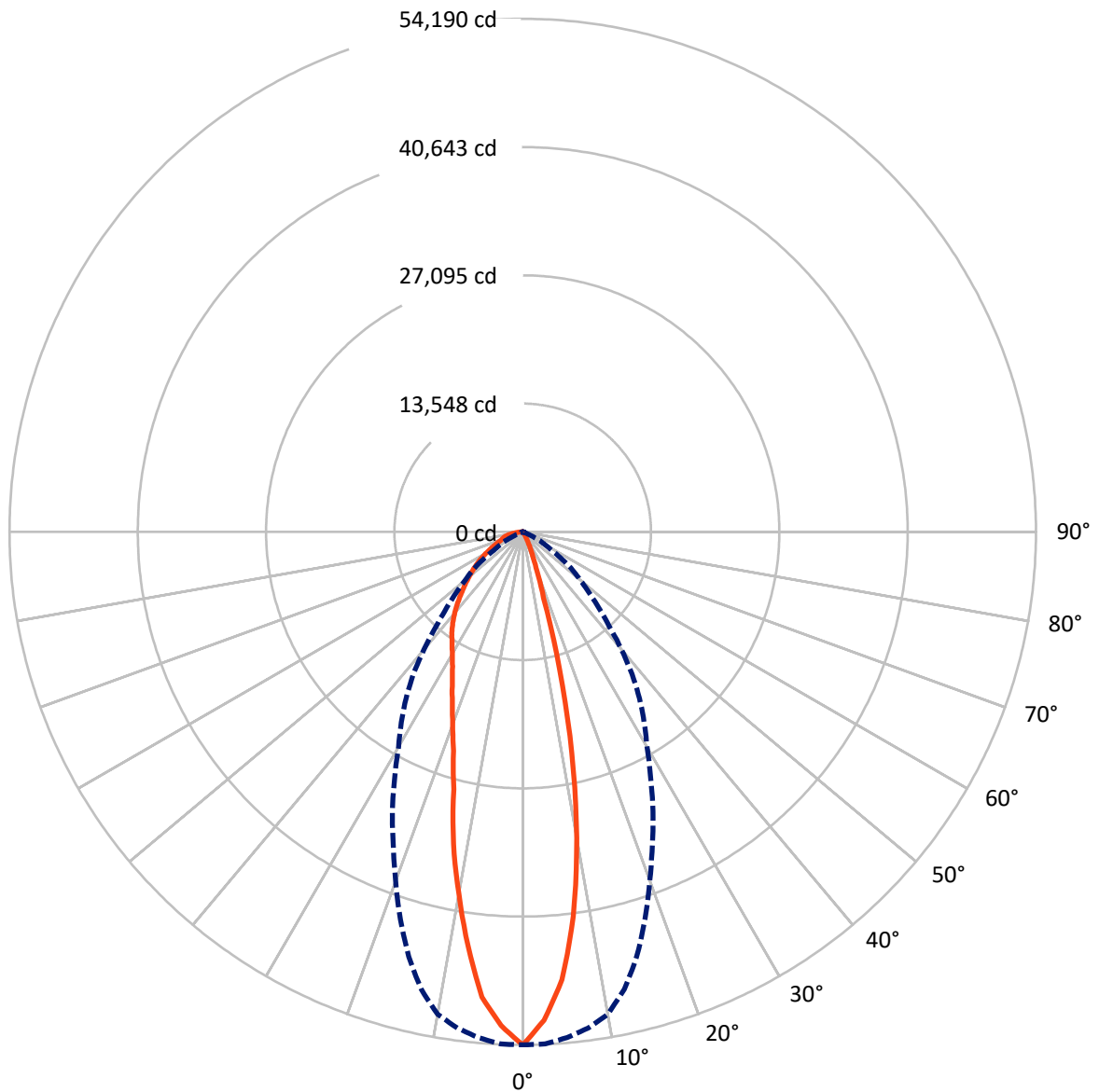
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Lumen Table



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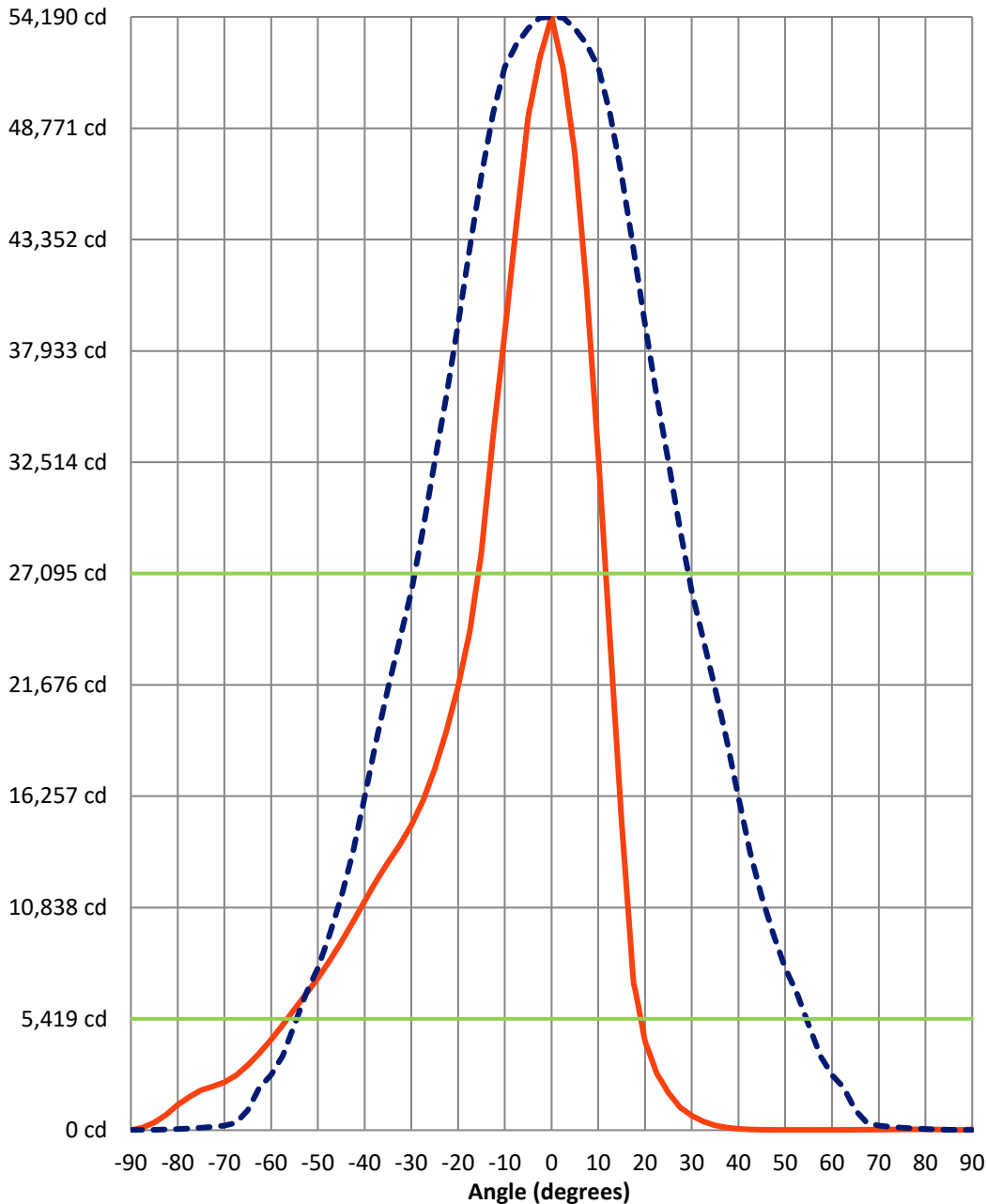
Luminous Intensity Polar Plot



— 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: 14394
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 32087.9
 Efficiency: 88.0%

Spill:
 Lumens: 4374.8
 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°	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	8.2	8.8	9.4	10.1	11.0	12.0	12.2	12.3	12.2	12.0
85°	7.9	8.6	9.6	10.8	12.3	14.0	16.0	16.5	16.6	16.6	16.2
82.5°	7.9	8.9	10.4	12.3	14.5	17.1	20.0	20.8	21.2	22.7	25.5
80°	7.9	9.3	11.3	13.7	16.7	20.1	23.7	24.8	27.4	31.7	37.6
77.5°	7.9	9.6	12.1	15.1	18.8	22.3	25.6	28.5	33.3	40.3	47.2
75°	7.9	9.9	12.9	16.5	20.5	23.3	27.3	32.0	38.6	44.2	50.0
72.5°	7.9	10.2	13.7	17.9	20.9	24.2	28.9	34.7	40.5	46.5	52.7
70°	7.9	10.5	14.4	18.9	21.2	25.0	30.3	36.1	42.2	48.5	54.6
67.5°	7.9	10.8	15.2	18.8	21.4	25.7	31.5	37.4	43.8	50.1	56.4
65°	7.9	11.1	15.9	18.7	21.5	26.5	32.7	38.6	45.1	51.5	58.6
62.5°	7.9	11.4	16.5	18.6	21.6	27.6	33.8	39.6	46.3	53.2	62.0
60°	7.9	11.7	17.2	18.4	21.6	28.7	34.9	40.6	47.4	55.7	65.1
57.5°	7.9	12.0	17.0	18.1	22.4	29.7	36.2	41.6	49.0	58.0	66.2
55°	7.9	12.2	16.9	17.8	23.3	30.7	37.6	42.9	50.6	59.6	66.4
52.5°	7.9	12.4	16.7	17.5	24.1	31.8	39.0	44.7	52.0	59.6	66.5
50°	7.9	12.7	16.6	17.1	25.0	33.1	40.5	46.6	52.8	59.6	63.2
47.5°	7.9	12.9	16.5	16.9	25.7	34.4	42.1	48.5	52.6	59.4	60.0
45°	7.9	13.0	16.5	17.4	26.5	35.8	43.7	50.4	53.8	57.1	57.3
42.5°	7.9	13.2	16.4	18.0	27.2	37.2	45.4	52.0	55.3	55.1	54.6
40°	7.9	13.4	16.4	18.8	28.1	38.5	47.0	53.4	56.6	53.7	52.2
37.5°	7.9	13.5	16.4	19.8	29.1	39.9	48.6	54.9	57.7	55.1	50.3
35°	7.9	13.6	16.4	20.9	30.1	41.2	50.1	56.6	59.2	57.5	50.6
32.5°	7.9	13.8	16.4	21.9	31.1	42.4	51.6	58.3	61.2	61.2	60.5
30°	7.9	13.9	16.5	23.0	32.0	43.5	53.0	60.2	63.7	66.2	72.9
27.5°	7.9	13.9	16.5	24.0	33.9	44.6	54.3	62.0	67.0	72.4	87.7
25°	7.9	14.0	16.6	25.1	36.1	45.7	55.7	64.1	71.7	82.8	106.2
22.5°	7.9	14.0	16.7	26.1	38.2	47.4	57.1	66.4	77.1	96.1	166.5
20°	7.9	14.1	16.8	27.1	40.3	51.1	58.5	68.9	83.1	110.4	235.4
17.5°	7.9	14.1	16.9	28.1	42.4	55.0	63.6	71.4	89.4	125.5	311.0
15°	7.9	14.1	17.0	29.0	44.5	59.0	71.2	78.6	96.1	141.1	391.4
12.5°	7.9	14.1	17.2	29.9	46.5	63.1	79.2	92.0	111.5	157.0	474.5
10°	7.9	14.0	17.3	30.8	48.4	67.2	87.5	105.8	134.1	194.4	567.4
7.5°	7.9	14.0	17.4	31.6	50.3	71.3	95.8	119.8	157.0	235.6	678.0
5°	7.9	13.9	17.5	32.3	52.0	75.3	104.1	133.9	179.9	276.9	784.2
2.5°	7.9	13.9	17.6	32.9	53.6	79.1	112.3	147.9	202.5	317.4	883.3
0°	7.9	13.8	17.7	33.5	55.1	82.7	120.1	161.5	224.5	356.4	972.7
-2.5°	7.9	14.1	19.1	37.6	64.4	100.6	151.5	213.2	303.0	464.7	1082.2
-5°	7.9	14.4	20.4	41.6	73.4	118.1	182.0	263.7	379.4	569.3	1179.3
-7.5°	7.9	14.6	21.7	45.3	82.0	134.8	211.3	312.1	452.7	668.8	1264.3
-10°	7.9	14.9	23.0	48.9	90.2	150.7	238.9	357.8	521.7	762.0	1337.3
-12.5°	7.9	15.1	24.2	52.2	97.7	165.4	264.5	400.1	585.6	844.2	1367.1
-15°	7.9	15.3	25.3	55.2	104.6	178.8	287.7	438.3	637.6	894.2	1373.5
-17.5°	7.9	15.5	26.3	57.9	110.7	190.6	308.1	471.5	677.4	937.7	1373.6
-20°	7.9	15.7	27.3	60.2	116.0	200.8	327.4	500.2	712.4	974.5	1368.7



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	15.8	28.1	62.0	120.3	209.2	346.8	524.9	742.4	1004.2	1359.7
-25°	7.9	15.9	28.9	63.5	123.6	219.9	363.3	545.2	767.2	1026.6	1347.6
-27.5°	7.9	16.0	29.5	64.5	125.9	230.2	376.8	560.9	786.5	1045.0	1366.1
-30°	7.9	16.1	30.1	65.0	127.5	238.3	387.1	571.9	801.9	1063.4	1377.0
-32.5°	7.9	16.1	30.4	65.0	131.6	244.0	394.1	581.6	812.1	1074.7	1378.4
-35°	7.9	16.1	30.7	64.5	134.2	247.2	399.6	588.0	815.8	1078.8	1370.4
-37.5°	7.9	16.0	30.8	63.4	135.2	248.7	402.3	589.8	812.9	1075.7	1325.6
-40°	7.9	16.0	30.8	61.8	134.7	249.2	401.3	587.0	803.4	1065.7	1278.8
-42.5°	7.9	15.9	30.7	60.3	133.7	247.2	396.6	579.6	792.7	1022.5	1225.3
-45°	7.9	15.7	30.4	59.3	132.5	242.5	388.1	568.3	778.5	970.8	1165.8
-47.5°	7.9	15.5	29.9	57.5	129.8	235.4	376.0	553.4	757.8	914.7	1102.5
-50°	7.9	15.3	29.4	56.9	125.8	225.7	362.7	533.5	712.9	863.0	1034.1
-52.5°	7.9	15.1	28.6	56.4	120.4	213.6	346.3	508.8	665.4	806.5	961.5
-55°	7.9	14.9	27.8	55.2	113.7	202.7	326.4	479.8	615.3	745.6	891.4
-57.5°	7.9	14.6	26.8	53.5	105.7	190.6	303.1	449.0	562.3	683.6	816.1
-60°	7.9	14.2	25.7	51.2	96.7	176.4	277.4	408.0	507.9	619.1	738.2
-62.5°	7.9	13.9	24.8	48.3	90.8	160.5	254.7	363.0	456.3	551.6	660.9
-65°	7.9	13.5	23.7	45.0	83.9	142.8	229.4	319.4	403.3	489.7	580.3
-67.5°	7.9	13.1	22.6	41.2	76.3	126.7	201.9	281.3	349.0	428.5	507.7
-70°	7.9	12.7	21.4	37.0	67.8	112.5	172.2	242.4	305.2	365.9	438.1
-72.5°	7.9	12.3	20.1	33.9	58.6	97.2	148.2	203.0	261.1	317.0	370.7
-75°	7.9	11.8	18.7	30.9	48.8	80.9	123.7	167.7	216.3	267.8	317.4
-77.5°	7.9	11.4	17.3	27.7	42.2	63.7	98.0	133.1	172.4	216.9	263.5
-80°	7.9	10.9	15.9	24.4	36.3	51.4	71.3	97.5	127.5	161.6	199.7
-82.5°	7.9	10.4	14.4	21.0	30.1	41.6	55.6	67.4	81.7	105.2	131.8
-85°	7.9	9.9	12.9	17.5	23.7	31.7	41.2	49.2	57.8	67.0	76.8
-87.5°	7.9	9.4	11.3	13.9	17.3	21.5	26.6	30.8	35.3	40.2	45.4
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



REPORT NUMBER: P701745 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.3	14.8	15.3	15.8	17.3	18.8	20.2	21.7	24.2	26.6	29.1
87.5°	12.9	13.8	14.8	15.8	15.1	14.2	13.2	12.1	13.0	13.9	14.9
85°	17.8	19.7	22.2	24.3	24.2	24.3	24.6	25.2	26.9	28.3	29.4
82.5°	28.9	31.5	33.4	34.5	36.3	38.7	41.8	46.4	49.0	50.6	51.6
80°	41.3	43.5	45.2	48.5	54.3	61.1	68.5	76.4	79.1	79.3	78.5
77.5°	49.4	52.7	58.0	65.5	74.2	82.8	92.0	101.9	104.7	104.1	102.6
75°	54.8	61.2	69.3	79.3	90.0	101.0	112.5	123.2	126.2	123.0	118.8
72.5°	59.0	67.3	78.2	91.4	103.4	114.6	126.5	139.2	143.6	136.7	128.1
70°	61.9	72.6	85.6	99.4	113.2	125.3	136.5	148.7	155.6	144.0	127.0
67.5°	64.3	77.6	91.7	106.0	118.4	130.0	142.7	146.6	148.3	130.6	112.4
65°	68.0	82.1	95.0	107.7	121.0	124.8	127.5	130.2	127.4	107.2	87.4
62.5°	71.5	83.3	95.6	105.3	108.5	110.5	108.2	103.0	95.9	82.0	65.7
60°	72.6	82.9	90.9	93.9	94.8	90.8	84.5	78.2	70.8	59.2	48.1
57.5°	73.0	78.2	81.3	81.9	78.2	71.6	65.5	57.3	51.1	43.8	34.8
55°	71.2	70.2	71.6	69.2	63.7	56.8	49.6	44.0	36.7	32.4	27.1
52.5°	66.3	63.5	62.2	58.3	52.1	45.8	39.8	34.5	30.3	25.6	22.3
50°	62.0	58.2	54.1	49.3	44.6	40.3	33.7	29.9	26.4	22.7	19.8
47.5°	57.9	53.5	47.4	43.4	42.8	40.2	33.7	27.9	24.8	24.7	21.9
45°	54.3	50.6	43.6	44.3	45.5	45.4	40.9	27.4	30.4	31.0	29.5
42.5°	51.2	49.7	51.7	47.1	54.4	58.5	55.0	45.8	40.7	45.3	47.1
40°	51.6	50.9	68.1	67.6	68.6	79.3	84.5	78.0	60.0	71.2	76.2
37.5°	53.6	71.5	92.9	99.8	93.6	111.9	122.9	130.5	116.4	107.3	123.1
35°	56.9	97.3	129.1	144.1	144.9	155.4	184.0	195.8	186.4	172.1	184.8
32.5°	74.4	128.1	172.1	197.4	220.8	231.6	257.1	269.1	279.4	279.4	274.0
30°	111.4	168.8	221.8	256.5	312.6	363.7	352.6	355.2	392.9	431.2	449.8
27.5°	174.5	219.3	277.4	339.9	425.7	524.9	542.7	492.3	543.6	614.4	677.3
25°	254.0	371.8	336.5	439.4	582.1	719.8	793.0	827.9	757.8	860.9	1009.6
22.5°	363.8	565.1	566.9	547.7	757.9	950.4	1130.7	1303.5	1392.9	1280.8	1435.5
20°	511.8	771.8	855.1	947.5	1020.9	1212.6	1523.9	1900.9	2246.1	2441.6	2351.9
17.5°	681.7	997.5	1188.7	1436.1	1680.5	1785.2	1983.4	2600.8	3271.0	3841.6	4148.4
15°	868.9	1238.6	1549.4	1974.9	2414.6	2746.0	3089.4	3619.9	4504.6	5480.7	6262.2
12.5°	1067.9	1491.1	1930.6	2552.5	3205.7	3750.6	4363.0	5169.6	6190.3	7407.9	8680.8
10°	1272.9	1750.6	2324.8	3155.9	4037.0	4785.2	5661.5	6719.6	8022.9	9540.0	11139.8
7.5°	1490.2	2004.4	2713.3	3771.1	4890.2	5834.4	6967.5	8255.0	9836.5	11639.8	13568.5
5°	1700.6	2243.9	3037.1	4265.8	5582.5	6719.8	8157.3	9755.1	11609.5	13683.8	15956.6
2.5°	1896.9	2473.3	3343.9	4718.5	6144.4	7325.2	8864.3	10582.3	12674.1	15119.7	17748.5
0°	2073.5	2689.8	3629.1	5135.5	6663.5	7888.3	9512.8	11340.2	13520.0	16203.9	18966.6
-2.5°	2150.1	2802.8	3757.6	5197.6	6650.6	7898.5	9461.6	11325.8	13428.0	15986.8	18696.7
-5°	2204.2	2898.1	3858.9	5220.1	6594.7	7861.7	9352.5	11225.7	13135.6	15411.7	17839.5
-7.5°	2238.4	2973.9	3932.0	5181.8	6412.6	7573.0	8869.8	10465.4	12206.8	14232.9	16370.3
-10°	2245.6	2965.8	3822.2	4932.4	6058.9	7122.7	8278.4	9664.0	11221.2	12993.0	14851.3
-12.5°	2175.8	2883.7	3667.5	4665.1	5692.6	6655.0	7667.0	8844.2	10193.8	11717.0	13362.0
-15°	2100.1	2790.8	3501.3	4386.5	5322.8	6177.9	7046.1	8022.5	9219.8	10607.5	12026.3
-17.5°	2022.4	2688.6	3326.8	4102.8	4957.7	5698.6	6458.6	7385.9	8458.7	9628.1	10782.9
-20°	1946.0	2578.7	3147.4	3819.6	4603.0	5302.5	6043.7	6858.4	7759.1	8712.1	9630.2



REPORT NUMBER: P701745 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1874.3	2462.6	2981.5	3582.1	4298.2	4969.0	5631.0	6330.9	7076.8	7848.4	8817.1
-25°	1826.2	2351.1	2836.7	3393.6	4012.0	4631.1	5215.0	5816.8	6458.8	7312.2	8209.5
-27.5°	1796.4	2256.1	2709.6	3204.4	3738.1	4297.7	4826.2	5357.1	6072.8	6840.7	7634.8
-30°	1767.0	2161.6	2577.1	3025.5	3511.3	3996.8	4451.8	5051.5	5718.9	6421.4	7127.7
-32.5°	1711.2	2062.5	2456.4	2871.4	3300.7	3721.0	4196.0	4785.8	5397.9	6015.6	6653.1
-35°	1642.0	1974.9	2337.9	2714.7	3099.5	3515.4	3997.0	4516.1	5078.5	5653.1	6282.2
-37.5°	1581.5	1879.7	2215.1	2566.4	2927.1	3336.5	3779.3	4264.4	4776.9	5314.3	5914.9
-40°	1514.5	1777.1	2098.8	2428.3	2766.9	3149.5	3566.6	4007.4	4479.2	4993.0	5532.0
-42.5°	1442.6	1695.6	1979.1	2286.6	2608.5	2958.4	3337.2	3751.7	4191.9	4659.6	5153.4
-45°	1375.8	1607.8	1857.4	2144.5	2442.3	2760.6	3111.8	3483.9	3901.0	4331.7	4776.4
-47.5°	1301.7	1516.3	1752.6	1992.8	2271.8	2565.2	2876.5	3228.5	3597.1	3997.0	4407.6
-50°	1221.7	1425.4	1633.4	1853.2	2097.2	2365.4	2649.8	2966.6	3307.7	3657.0	4026.4
-52.5°	1139.4	1326.7	1514.9	1710.6	1928.4	2166.6	2425.2	2705.6	3012.6	3332.9	3651.7
-55°	1051.6	1224.6	1392.1	1570.0	1759.8	1972.1	2200.5	2450.5	2708.0	2999.7	3280.6
-57.5°	963.0	1115.3	1267.6	1429.2	1598.4	1776.1	1984.2	2195.8	2428.0	2668.0	2901.8
-60°	871.3	1004.2	1139.7	1285.6	1438.4	1599.4	1768.9	1957.8	2154.5	2348.6	2554.6
-62.5°	776.2	893.4	1012.6	1137.7	1275.0	1420.0	1571.4	1729.0	1891.1	2059.9	2226.4
-65°	684.4	783.7	887.8	997.3	1107.4	1240.2	1374.2	1506.8	1648.5	1785.2	1918.7
-67.5°	591.0	685.1	772.7	858.1	959.6	1073.6	1178.9	1298.9	1417.7	1530.1	1638.8
-70°	513.5	588.9	669.2	746.5	826.5	923.5	1026.8	1122.3	1212.2	1306.4	1408.3
-72.5°	439.0	511.7	578.9	640.7	721.6	812.4	897.2	976.0	1061.7	1151.2	1233.6
-75°	370.7	434.1	499.7	560.5	627.9	707.1	792.5	872.8	945.6	1018.1	1093.1
-77.5°	305.0	352.7	407.9	470.2	537.0	598.7	666.1	738.9	806.9	876.1	949.4
-80°	234.2	268.2	305.6	348.8	398.5	452.9	511.4	573.5	627.9	678.0	727.4
-82.5°	157.5	183.5	209.7	236.2	263.9	293.2	325.5	365.1	400.4	435.8	471.8
-85°	87.2	98.2	116.1	134.3	149.7	166.0	183.2	201.2	218.0	234.4	250.4
-87.5°	50.9	56.6	62.6	68.8	73.0	76.9	80.7	84.3	89.1	93.7	98.1
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	31.5	32.0	32.5	33.0	33.5	35.0	36.5	37.9	39.4	38.9	38.4
87.5°	15.9	15.7	15.4	15.2	14.9	16.4	17.9	19.5	21.1	19.4	17.5
85°	30.3	30.4	30.5	30.4	30.2	32.2	34.3	36.2	38.2	35.2	32.1
82.5°	52.0	51.0	49.3	46.8	43.7	43.0	42.2	41.0	39.5	37.9	36.3
80°	77.1	73.5	68.7	63.1	56.8	53.6	50.4	46.9	43.1	42.0	41.1
77.5°	99.4	92.7	84.5	75.7	66.3	60.6	55.8	50.8	45.7	44.6	44.1
75°	113.6	105.0	93.1	80.8	68.1	60.1	54.3	48.7	43.2	41.6	40.8
72.5°	117.9	105.9	92.0	76.6	61.7	52.4	47.0	42.2	37.8	36.1	35.2
70°	110.4	94.2	78.9	64.2	50.5	41.7	38.0	34.7	31.9	30.6	30.1
67.5°	93.2	76.4	62.0	49.6	39.6	33.3	31.1	29.1	27.4	26.2	25.4
65°	70.9	57.6	47.2	38.9	32.5	28.6	26.9	25.3	23.7	22.4	21.5
62.5°	52.0	42.4	36.2	31.5	27.8	25.2	23.6	22.2	21.0	20.1	19.3
60°	39.2	32.6	28.8	25.8	23.5	21.8	20.8	19.9	19.0	18.2	17.4
57.5°	29.9	25.9	23.1	21.7	20.6	19.9	19.1	18.2	17.3	16.4	15.6
55°	23.7	21.6	20.0	19.6	19.1	18.4	17.5	16.7	15.8	14.6	13.7
52.5°	19.9	19.7	19.7	19.4	18.8	18.2	17.6	16.4	15.2	14.0	13.3
50°	19.7	19.8	19.9	19.5	19.0	18.4	17.8	16.9	16.2	15.3	14.8
47.5°	20.5	20.7	21.9	20.0	19.7	20.2	19.9	19.2	18.9	18.5	18.0
45°	24.1	28.2	29.3	27.7	24.4	27.1	26.2	23.1	24.9	24.7	23.2
42.5°	42.8	47.2	50.7	48.6	41.6	43.9	43.9	39.2	40.5	40.6	38.8
40°	81.7	80.1	85.7	83.4	75.8	73.1	76.3	70.9	69.9	72.5	69.4
37.5°	134.4	135.4	132.9	133.1	130.4	123.1	127.5	126.0	121.5	130.0	131.0
35°	210.2	216.7	196.1	204.2	207.8	199.8	204.8	219.1	209.9	229.7	235.1
32.5°	311.6	325.0	315.4	306.0	321.5	333.8	339.6	370.0	378.1	396.0	417.3
30°	436.6	471.8	499.5	482.2	480.2	523.8	548.9	589.7	629.4	653.1	696.5
27.5°	696.8	686.1	751.9	771.5	728.0	797.7	892.2	910.2	1030.8	1040.6	1125.0
25°	1101.3	1095.6	1115.5	1211.2	1235.4	1270.3	1432.5	1518.2	1656.6	1731.3	1796.0
22.5°	1644.4	1797.9	1824.1	1780.2	1990.2	2127.6	2173.0	2419.6	2532.5	2701.0	2751.6
20°	2323.7	2680.8	3131.7	3138.8	3052.3	3448.0	3612.1	3741.7	4017.5	4209.5	4339.8
17.5°	4104.6	4101.8	5022.9	5531.8	5474.2	5759.2	6565.4	6482.2	7133.5	7528.4	7545.0
15°	6718.2	7205.3	7789.8	8712.9	9498.5	10131.8	10897.3	11897.4	12707.3	13658.6	14380.8
12.5°	9708.3	10667.6	11668.1	12721.0	13954.0	15354.1	16876.9	18210.0	19795.9	21183.7	22618.7
10°	12704.2	14223.7	15635.7	17209.2	18961.7	20826.7	23060.0	25011.2	27357.1	29414.6	30767.2
7.5°	15451.4	17274.2	19182.5	21469.9	23915.9	26257.9	28786.2	31522.9	34267.4	36644.6	38663.3
5°	18136.6	20185.7	22300.8	24820.4	27615.7	30550.3	33678.8	36915.5	39791.3	42499.3	44856.4
2.5°	20243.0	22590.2	25006.7	27855.8	30863.2	33837.1	36969.0	40453.3	43797.8	46965.1	49386.5
0°	21494.9	23850.0	26220.8	29239.5	32541.7	35737.6	39228.8	42938.6	46469.3	49497.7	51742.6
-2.5°	20996.2	23290.1	25685.7	28667.9	31849.3	34827.1	38162.9	41756.5	45176.1	48243.3	50573.1
-5°	19868.6	21926.7	24122.6	26880.1	29856.4	32814.9	36085.2	39503.7	42453.8	45176.2	47265.2
-7.5°	18283.0	20181.7	22229.6	24782.6	27519.6	30103.2	32776.3	35534.3	38218.8	40547.3	42266.0
-10°	16598.9	18317.8	20080.7	22128.0	24460.7	26715.6	28971.1	31486.7	33699.1	35621.4	37038.7
-12.5°	14910.2	16322.1	17712.9	19278.4	21280.0	23309.5	25260.2	27369.6	29131.8	30717.7	31978.6
-15°	13289.1	14388.4	15443.7	16958.9	18721.5	20220.3	21420.6	23331.1	24527.4	25937.1	26818.8
-17.5°	11782.5	12660.2	13942.7	15245.2	16502.7	17734.4	19119.5	20250.6	21424.8	22576.3	23333.9
-20°	10597.0	11682.6	12766.6	13825.9	14906.2	16081.9	17178.3	18247.1	19270.4	20155.4	20762.8



REPORT NUMBER: P701745 (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°	9825.3	10789.1	11701.6	12654.8	13707.1	14694.4	15620.8	16605.0	17480.0	18140.7	18634.9
-25°	9084.3	9922.4	10810.3	11763.9	12654.4	13485.3	14338.4	15098.1	15844.8	16394.9	16857.4
-27.5°	8416.4	9211.6	10086.3	10931.5	11725.2	12501.8	13226.7	13856.1	14478.1	14918.2	15378.1
-30°	7835.5	8640.8	9436.4	10187.8	10933.3	11636.9	12276.0	12873.6	13395.5	13824.2	14209.6
-32.5°	7396.6	8126.9	8835.4	9538.4	10244.9	10893.6	11453.1	12027.1	12507.3	12918.3	13267.4
-35°	6962.7	7649.4	8304.2	8948.4	9598.8	10224.2	10765.9	11265.7	11738.3	12106.1	12426.0
-37.5°	6539.6	7179.9	7785.8	8365.1	8960.1	9536.7	10030.8	10500.4	10922.9	11262.8	11566.2
-40°	6113.4	6699.9	7241.6	7781.4	8315.9	8799.1	9263.6	9696.0	10058.0	10371.4	10647.6
-42.5°	5673.0	6189.4	6678.0	7172.0	7660.4	8087.9	8497.8	8886.3	9194.4	9472.1	9711.3
-45°	5231.0	5685.4	6133.1	6576.9	6978.7	7373.4	7745.0	8073.1	8350.8	8596.8	8804.2
-47.5°	4805.5	5191.7	5601.3	6006.0	6351.2	6689.1	7014.1	7292.3	7533.5	7748.6	7931.2
-50°	4380.3	4725.0	5082.2	5429.6	5746.1	6042.7	6315.1	6558.0	6777.9	6963.9	7120.4
-52.5°	3959.4	4279.4	4584.9	4867.3	5154.8	5427.5	5680.9	5893.3	6086.0	6258.0	6395.9
-55°	3557.6	3840.6	4126.1	4366.6	4599.1	4826.2	5037.2	5227.0	5401.6	5559.5	5683.2
-57.5°	3152.2	3399.0	3637.7	3853.3	4061.9	4262.3	4433.2	4582.0	4721.3	4849.0	4958.1
-60°	2760.9	2966.6	3168.2	3348.2	3521.9	3688.7	3834.3	3960.9	4073.1	4172.0	4261.4
-62.5°	2393.6	2570.3	2731.0	2876.3	3012.3	3148.3	3272.4	3381.9	3476.9	3558.3	3628.3
-65°	2055.9	2202.1	2330.6	2451.0	2563.9	2678.5	2778.1	2868.1	2948.1	3015.3	3069.2
-67.5°	1755.7	1870.1	1977.1	2070.3	2166.3	2263.8	2354.0	2432.7	2500.6	2554.3	2596.2
-70°	1502.5	1595.1	1691.0	1783.9	1875.3	1959.1	2037.1	2106.8	2168.9	2215.1	2252.1
-72.5°	1309.2	1387.3	1475.8	1569.5	1656.3	1739.5	1818.9	1892.6	1961.3	2005.4	2039.8
-75°	1170.3	1251.0	1330.1	1408.2	1485.1	1558.4	1632.2	1707.5	1783.6	1828.4	1864.5
-77.5°	1017.0	1073.5	1132.4	1196.1	1263.9	1329.6	1393.9	1457.4	1519.5	1550.8	1574.5
-80°	779.7	824.8	869.1	913.9	958.9	1005.2	1051.8	1098.1	1143.5	1164.5	1180.3
-82.5°	508.2	539.1	568.6	597.0	624.1	647.3	668.9	689.1	707.6	716.7	722.9
-85°	266.1	279.8	292.7	304.8	316.2	323.3	329.4	334.6	338.8	344.5	349.4
-87.5°	102.4	106.3	110.0	113.7	117.3	119.1	120.6	121.9	123.0	124.9	126.6
-90°	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.9	3.9



REPORT NUMBER: P701745 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	37.9	37.4	38.4	39.4	38.4	37.4	37.9	38.4	38.9	39.4	37.9
87.5°	15.7	13.8	12.8	11.8	12.8	13.8	15.7	17.5	19.4	21.1	19.5
85°	28.9	25.5	23.6	21.7	23.6	25.5	28.9	32.1	35.2	38.2	36.2
82.5°	34.9	33.4	33.5	33.5	33.5	33.4	34.9	36.3	37.9	39.5	41.0
80°	40.2	39.3	39.4	39.4	39.4	39.3	40.2	41.1	42.0	43.1	46.9
77.5°	43.7	43.2	42.4	41.4	42.4	43.2	43.7	44.1	44.6	45.7	50.8
75°	40.2	39.5	39.4	39.4	39.4	39.5	40.2	40.8	41.6	43.2	48.7
72.5°	34.4	33.7	33.5	33.5	33.5	33.7	34.4	35.2	36.1	37.8	42.2
70°	29.8	29.6	28.6	27.6	28.6	29.6	29.8	30.1	30.6	31.9	34.7
67.5°	24.7	23.9	23.6	23.6	23.6	23.9	24.7	25.4	26.2	27.4	29.1
65°	20.7	20.0	19.7	19.7	19.7	20.0	20.7	21.5	22.4	23.7	25.3
62.5°	18.6	17.9	16.9	15.8	16.9	17.9	18.6	19.3	20.1	21.0	22.2
60°	16.7	16.0	15.0	13.8	15.0	16.0	16.7	17.4	18.2	19.0	19.9
57.5°	14.8	14.1	13.8	13.8	13.8	14.1	14.8	15.6	16.4	17.3	18.2
55°	12.9	12.1	11.8	11.8	11.8	12.1	12.9	13.7	14.6	15.8	16.7
52.5°	12.7	12.1	11.8	11.8	11.8	12.1	12.7	13.3	14.0	15.2	16.4
50°	14.4	14.0	13.8	13.8	13.8	14.0	14.4	14.8	15.3	16.2	16.9
47.5°	17.3	16.3	15.8	15.8	15.8	16.3	17.3	18.0	18.5	18.9	19.2
45°	22.7	22.0	21.6	21.7	21.6	22.0	22.7	23.2	24.7	24.9	23.1
42.5°	39.3	38.1	36.5	35.4	36.5	38.1	39.3	38.8	40.6	40.5	39.2
40°	69.6	68.1	65.8	65.0	65.8	68.1	69.6	69.4	72.5	69.9	70.9
37.5°	132.7	131.7	127.5	126.0	127.5	131.7	132.7	131.0	130.0	121.5	126.0
35°	234.7	236.5	232.5	232.4	232.5	236.5	234.7	235.1	229.7	209.9	219.1
32.5°	424.4	428.9	417.0	423.4	417.0	428.9	424.4	417.3	396.0	378.1	370.0
30°	695.1	710.6	703.8	706.9	703.8	710.6	695.1	696.5	653.1	629.4	589.7
27.5°	1133.2	1144.8	1120.9	1112.6	1120.9	1144.8	1133.2	1125.0	1040.6	1030.8	910.2
25°	1832.4	1839.7	1816.3	1825.4	1816.3	1839.7	1832.4	1796.0	1731.3	1656.6	1518.2
22.5°	2854.4	2827.0	2801.1	2776.5	2801.1	2827.0	2854.4	2751.6	2701.0	2532.5	2419.6
20°	4460.8	4397.7	4389.3	4341.9	4389.3	4397.7	4460.8	4339.8	4209.5	4017.5	3741.7
17.5°	7947.7	8062.1	7808.2	7317.2	7808.2	8062.1	7947.7	7545.0	7528.4	7133.5	6482.2
15°	14806.1	15343.5	15574.4	15010.6	15574.4	15343.5	14806.1	14380.8	13658.6	12707.3	11897.4
12.5°	23410.9	23789.2	24247.4	23913.0	24247.4	23789.2	23410.9	22618.7	21183.7	19795.9	18210.0
10°	31929.1	32495.4	33188.9	32876.4	33188.9	32495.4	31929.1	30767.2	29414.6	27357.1	25011.2
7.5°	39774.3	40750.0	41359.4	40967.5	41359.4	40750.0	39774.3	38663.3	36644.6	34267.4	31522.9
5°	46469.6	47241.0	47608.4	47507.0	47608.4	47241.0	46469.6	44856.4	42499.3	39791.3	36915.5
2.5°	50763.3	51577.7	51906.8	51633.3	51906.8	51577.7	50763.3	49386.5	46965.1	43797.8	40453.3
0°	52862.0	53625.0	54148.8	54190.2	54148.8	53625.0	52862.0	51742.6	49497.7	46469.3	42938.6
-2.5°	51649.2	52112.9	52363.4	52196.5	52363.4	52112.9	51649.2	50573.1	48243.3	45176.1	41756.5
-5°	48472.9	48963.2	49122.3	49316.6	49122.3	48963.2	48472.9	47265.2	45176.2	42453.8	39503.7
-7.5°	43232.7	43770.6	44167.3	44150.6	44167.3	43770.6	43232.7	42266.0	40547.3	38218.8	35534.3
-10°	38093.0	38492.6	38906.4	38836.9	38906.4	38492.6	38093.0	37038.7	35621.4	33699.1	31486.7
-12.5°	32999.2	33666.0	33828.0	33779.3	33828.0	33666.0	32999.2	31978.6	30717.7	29131.8	27369.6
-15°	27822.3	28316.4	28275.8	28144.6	28275.8	28316.4	27822.3	26818.8	25937.1	24527.4	23331.1
-17.5°	23989.6	24262.0	24366.1	24263.5	24366.1	24262.0	23989.6	23333.9	22576.3	21424.8	20250.6
-20°	21262.3	21472.7	21543.7	21591.4	21543.7	21472.7	21262.3	20762.8	20155.4	19270.4	18247.1



REPORT NUMBER: P701745 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19060.6	19275.6	19337.9	19419.5	19337.9	19275.6	19060.6	18634.9	18140.7	17480.0	16605.0
-25°	17214.2	17424.3	17495.4	17576.4	17495.4	17424.3	17214.2	16857.4	16394.9	15844.8	15098.1
-27.5°	15686.4	15891.6	15977.1	16038.5	15977.1	15891.6	15686.4	15378.1	14918.2	14478.1	13856.1
-30°	14483.4	14685.4	14807.5	14847.2	14807.5	14685.4	14483.4	14209.6	13824.2	13395.5	12873.6
-32.5°	13528.9	13705.3	13820.1	13878.4	13820.1	13705.3	13528.9	13267.4	12918.3	12507.3	12027.1
-35°	12678.8	12855.8	12975.1	13035.6	12975.1	12855.8	12678.8	12426.0	12106.1	11738.3	11265.7
-37.5°	11809.4	12002.2	12128.4	12131.7	12128.4	12002.2	11809.4	11566.2	11262.8	10922.9	10500.4
-40°	10850.3	11003.2	11103.2	11143.2	11103.2	11003.2	10850.3	10647.6	10371.4	10058.0	9696.0
-42.5°	9888.4	10018.1	10099.3	10133.1	10099.3	10018.1	9888.4	9711.3	9472.1	9194.4	8886.3
-45°	8969.9	9100.8	9168.4	9158.4	9168.4	9100.8	8969.9	8804.2	8596.8	8350.8	8073.1
-47.5°	8071.4	8172.9	8228.4	8240.8	8228.4	8172.9	8071.4	7931.2	7748.6	7533.5	7292.3
-50°	7253.4	7361.0	7407.0	7394.0	7407.0	7361.0	7253.4	7120.4	6963.9	6777.9	6558.0
-52.5°	6509.6	6601.1	6640.8	6635.9	6640.8	6601.1	6509.6	6395.9	6258.0	6086.0	5893.3
-55°	5784.4	5863.5	5894.9	5889.6	5894.9	5863.5	5784.4	5683.2	5559.5	5401.6	5227.0
-57.5°	5048.5	5119.7	5140.8	5127.6	5140.8	5119.7	5048.5	4958.1	4849.0	4721.3	4582.0
-60°	4335.7	4394.2	4412.5	4404.9	4412.5	4394.2	4335.7	4261.4	4172.0	4073.1	3960.9
-62.5°	3686.2	3731.4	3750.0	3751.2	3750.0	3731.4	3686.2	3628.3	3558.3	3476.9	3381.9
-65°	3113.0	3146.5	3161.5	3164.4	3161.5	3146.5	3113.0	3069.2	3015.3	2948.1	2868.1
-67.5°	2629.9	2656.1	2665.2	2666.2	2665.2	2656.1	2629.9	2596.2	2554.3	2500.6	2432.7
-70°	2285.1	2314.3	2326.5	2333.4	2326.5	2314.3	2285.1	2252.1	2215.1	2168.9	2106.8
-72.5°	2072.0	2102.0	2116.1	2126.6	2116.1	2102.0	2072.0	2039.8	2005.4	1961.3	1892.6
-75°	1898.7	1930.6	1940.6	1945.5	1940.6	1930.6	1898.7	1864.5	1828.4	1783.6	1707.5
-77.5°	1595.1	1612.3	1618.7	1620.6	1618.7	1612.3	1595.1	1574.5	1550.8	1519.5	1457.4
-80°	1192.7	1201.7	1218.8	1232.7	1218.8	1201.7	1192.7	1180.3	1164.5	1143.5	1098.1
-82.5°	726.8	728.3	738.3	746.3	738.3	728.3	726.8	722.9	716.7	707.6	689.1
-85°	353.5	356.6	364.8	372.2	364.8	356.6	353.5	349.4	344.5	338.8	334.6
-87.5°	128.2	129.6	128.9	128.0	128.9	129.6	128.2	126.6	124.9	123.0	121.9
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.4



REPORT NUMBER: P701745 (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°	36.5	35.0	33.5	33.0	32.5	32.0	31.5	29.1	26.6	24.2	21.7
87.5°	17.9	16.4	14.9	15.2	15.4	15.7	15.9	14.9	13.9	13.0	12.1
85°	34.3	32.2	30.2	30.4	30.5	30.4	30.3	29.4	28.3	26.9	25.2
82.5°	42.2	43.0	43.7	46.8	49.3	51.0	52.0	51.6	50.6	49.0	46.4
80°	50.4	53.6	56.8	63.1	68.7	73.5	77.1	78.5	79.3	79.1	76.4
77.5°	55.8	60.6	66.3	75.7	84.5	92.7	99.4	102.6	104.1	104.7	101.9
75°	54.3	60.1	68.1	80.8	93.1	105.0	113.6	118.8	123.0	126.2	123.2
72.5°	47.0	52.4	61.7	76.6	92.0	105.9	117.9	128.1	136.7	143.6	139.2
70°	38.0	41.7	50.5	64.2	78.9	94.2	110.4	127.0	144.0	155.6	148.7
67.5°	31.1	33.3	39.6	49.6	62.0	76.4	93.2	112.4	130.6	148.3	146.6
65°	26.9	28.6	32.5	38.9	47.2	57.6	70.9	87.4	107.2	127.4	130.2
62.5°	23.6	25.2	27.8	31.5	36.2	42.4	52.0	65.7	82.0	95.9	103.0
60°	20.8	21.8	23.5	25.8	28.8	32.6	39.2	48.1	59.2	70.8	78.2
57.5°	19.1	19.9	20.6	21.7	23.1	25.9	29.9	34.8	43.8	51.1	57.3
55°	17.5	18.4	19.1	19.6	20.0	21.6	23.7	27.1	32.4	36.7	44.0
52.5°	17.6	18.2	18.8	19.4	19.7	19.7	19.9	22.3	25.6	30.3	34.5
50°	17.8	18.4	19.0	19.5	19.9	19.8	19.7	19.8	22.7	26.4	29.9
47.5°	19.9	20.2	19.7	20.0	21.9	20.7	20.5	21.9	24.7	24.8	27.9
45°	26.2	27.1	24.4	27.7	29.3	28.2	24.1	29.5	31.0	30.4	27.4
42.5°	43.9	43.9	41.6	48.6	50.7	47.2	42.8	47.1	45.3	40.7	45.8
40°	76.3	73.1	75.8	83.4	85.7	80.1	81.7	76.2	71.2	60.0	78.0
37.5°	127.5	123.1	130.4	133.1	132.9	135.4	134.4	123.1	107.3	116.4	130.5
35°	204.8	199.8	207.8	204.2	196.1	216.7	210.2	184.8	172.1	186.4	195.8
32.5°	339.6	333.8	321.5	306.0	315.4	325.0	311.6	274.0	279.4	279.4	269.1
30°	548.9	523.8	480.2	482.2	499.5	471.8	436.6	449.8	431.2	392.9	355.2
27.5°	892.2	797.7	728.0	771.5	751.9	686.1	696.8	677.3	614.4	543.6	492.3
25°	1432.5	1270.3	1235.4	1211.2	1115.5	1095.6	1101.3	1009.6	860.9	757.8	827.9
22.5°	2173.0	2127.6	1990.2	1780.2	1824.1	1797.9	1644.4	1435.5	1280.8	1392.9	1303.5
20°	3612.1	3448.0	3052.3	3138.8	3131.7	2680.8	2323.7	2351.9	2441.6	2246.1	1900.9
17.5°	6565.4	5759.2	5474.2	5531.8	5022.9	4101.8	4104.6	4148.4	3841.6	3271.0	2600.8
15°	10897.3	10131.8	9498.5	8712.9	7789.8	7205.3	6718.2	6262.2	5480.7	4504.6	3619.9
12.5°	16876.9	15354.1	13954.0	12721.0	11668.1	10667.6	9708.3	8680.8	7407.9	6190.3	5169.6
10°	23060.0	20826.7	18961.7	17209.2	15635.7	14223.7	12704.2	11139.8	9540.0	8022.9	6719.6
7.5°	28786.2	26257.9	23915.9	21469.9	19182.5	17274.2	15451.4	13568.5	11639.8	9836.5	8255.0
5°	33678.8	30550.3	27615.7	24820.4	22300.8	20185.7	18136.6	15956.6	13683.8	11609.5	9755.1
2.5°	36969.0	33837.1	30863.2	27855.8	25006.7	22590.2	20243.0	17748.5	15119.7	12674.1	10582.3
0°	39228.8	35737.6	32541.7	29239.5	26220.8	23850.0	21494.9	18966.6	16203.9	13520.0	11340.2
-2.5°	38162.9	34827.1	31849.3	28667.9	25685.7	23290.1	20996.2	18696.7	15986.8	13428.0	11325.8
-5°	36085.2	32814.9	29856.4	26880.1	24122.6	21926.7	19868.6	17839.5	15411.7	13135.6	11225.7
-7.5°	32776.3	30103.2	27519.6	24782.6	22229.6	20181.7	18283.0	16370.3	14232.9	12206.8	10465.4
-10°	28971.1	26715.6	24460.7	22128.0	20080.7	18317.8	16598.9	14851.3	12993.0	11221.2	9664.0
-12.5°	25260.2	23309.5	21280.0	19278.4	17712.9	16322.1	14910.2	13362.0	11717.0	10193.8	8844.2
-15°	21420.6	20220.3	18721.5	16958.9	15443.7	14388.4	13289.1	12026.3	10607.5	9219.8	8022.5
-17.5°	19119.5	17734.4	16502.7	15245.2	13942.7	12660.2	11782.5	10782.9	9628.1	8458.7	7385.9
-20°	17178.3	16081.9	14906.2	13825.9	12766.6	11682.6	10597.0	9630.2	8712.1	7759.1	6858.4



REPORT NUMBER: P701745 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15620.8	14694.4	13707.1	12654.8	11701.6	10789.1	9825.3	8817.1	7848.4	7076.8	6330.9
-25°	14338.4	13485.3	12654.4	11763.9	10810.3	9922.4	9084.3	8209.5	7312.2	6458.8	5816.8
-27.5°	13226.7	12501.8	11725.2	10931.5	10086.3	9211.6	8416.4	7634.8	6840.7	6072.8	5357.1
-30°	12276.0	11636.9	10933.3	10187.8	9436.4	8640.8	7835.5	7127.7	6421.4	5718.9	5051.5
-32.5°	11453.1	10893.6	10244.9	9538.4	8835.4	8126.9	7396.6	6653.1	6015.6	5397.9	4785.8
-35°	10765.9	10224.2	9598.8	8948.4	8304.2	7649.4	6962.7	6282.2	5653.1	5078.5	4516.1
-37.5°	10030.8	9536.7	8960.1	8365.1	7785.8	7179.9	6539.6	5914.9	5314.3	4776.9	4264.4
-40°	9263.6	8799.1	8315.9	7781.4	7241.6	6699.9	6113.4	5532.0	4993.0	4479.2	4007.4
-42.5°	8497.8	8087.9	7660.4	7172.0	6678.0	6189.4	5673.0	5153.4	4659.6	4191.9	3751.7
-45°	7745.0	7373.4	6978.7	6576.9	6133.1	5685.4	5231.0	4776.4	4331.7	3901.0	3483.9
-47.5°	7014.1	6689.1	6351.2	6006.0	5601.3	5191.7	4805.5	4407.6	3997.0	3597.1	3228.5
-50°	6315.1	6042.7	5746.1	5429.6	5082.2	4725.0	4380.3	4026.4	3657.0	3307.7	2966.6
-52.5°	5680.9	5427.5	5154.8	4867.3	4584.9	4279.4	3959.4	3651.7	3332.9	3012.6	2705.6
-55°	5037.2	4826.2	4599.1	4366.6	4126.1	3840.6	3557.6	3280.6	2999.7	2708.0	2450.5
-57.5°	4433.2	4262.3	4061.9	3853.3	3637.7	3399.0	3152.2	2901.8	2668.0	2428.0	2195.8
-60°	3834.3	3688.7	3521.9	3348.2	3168.2	2966.6	2760.9	2554.6	2348.6	2154.5	1957.8
-62.5°	3272.4	3148.3	3012.3	2876.3	2731.0	2570.3	2393.6	2226.4	2059.9	1891.1	1729.0
-65°	2778.1	2678.5	2563.9	2451.0	2330.6	2202.1	2055.9	1918.7	1785.2	1648.5	1506.8
-67.5°	2354.0	2263.8	2166.3	2070.3	1977.1	1870.1	1755.7	1638.8	1530.1	1417.7	1298.9
-70°	2037.1	1959.1	1875.3	1783.9	1691.0	1595.1	1502.5	1408.3	1306.4	1212.2	1122.3
-72.5°	1818.9	1739.5	1656.3	1569.5	1475.8	1387.3	1309.2	1233.6	1151.2	1061.7	976.0
-75°	1632.2	1558.4	1485.1	1408.2	1330.1	1251.0	1170.3	1093.1	1018.1	945.6	872.8
-77.5°	1393.9	1329.6	1263.9	1196.1	1132.4	1073.5	1017.0	949.4	876.1	806.9	738.9
-80°	1051.8	1005.2	958.9	913.9	869.1	824.8	779.7	727.4	678.0	627.9	573.5
-82.5°	668.9	647.3	624.1	597.0	568.6	539.1	508.2	471.8	435.8	400.4	365.1
-85°	329.4	323.3	316.2	304.8	292.7	279.8	266.1	250.4	234.4	218.0	201.2
-87.5°	120.6	119.1	117.3	113.7	110.0	106.3	102.4	98.1	93.7	89.1	84.3
-90°	4.9	5.4	5.9	6.4	6.9	7.4	7.9	7.9	7.9	7.9	7.9



REPORT NUMBER: P701745 (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°	20.2	18.8	17.3	15.8	15.3	14.8	14.3	13.8	13.3	12.8	12.3
87.5°	13.2	14.2	15.1	15.8	14.8	13.8	12.9	12.0	12.2	12.3	12.2
85°	24.6	24.3	24.2	24.3	22.2	19.7	17.8	16.2	16.6	16.6	16.5
82.5°	41.8	38.7	36.3	34.5	33.4	31.5	28.9	25.5	22.7	21.2	20.8
80°	68.5	61.1	54.3	48.5	45.2	43.5	41.3	37.6	31.7	27.4	24.8
77.5°	92.0	82.8	74.2	65.5	58.0	52.7	49.4	47.2	40.3	33.3	28.5
75°	112.5	101.0	90.0	79.3	69.3	61.2	54.8	50.0	44.2	38.6	32.0
72.5°	126.5	114.6	103.4	91.4	78.2	67.3	59.0	52.7	46.5	40.5	34.7
70°	136.5	125.3	113.2	99.4	85.6	72.6	61.9	54.6	48.5	42.2	36.1
67.5°	142.7	130.0	118.4	106.0	91.7	77.6	64.3	56.4	50.1	43.8	37.4
65°	127.5	124.8	121.0	107.7	95.0	82.1	68.0	58.6	51.5	45.1	38.6
62.5°	108.2	110.5	108.5	105.3	95.6	83.3	71.5	62.0	53.2	46.3	39.6
60°	84.5	90.8	94.8	93.9	90.9	82.9	72.6	65.1	55.7	47.4	40.6
57.5°	65.5	71.6	78.2	81.9	81.3	78.2	73.0	66.2	58.0	49.0	41.6
55°	49.6	56.8	63.7	69.2	71.6	70.2	71.2	66.4	59.6	50.6	42.9
52.5°	39.8	45.8	52.1	58.3	62.2	63.5	66.3	66.5	59.6	52.0	44.7
50°	33.7	40.3	44.6	49.3	54.1	58.2	62.0	63.2	59.6	52.8	46.6
47.5°	33.7	40.2	42.8	43.4	47.4	53.5	57.9	60.0	59.4	52.6	48.5
45°	40.9	45.4	45.5	44.3	43.6	50.6	54.3	57.3	57.1	53.8	50.4
42.5°	55.0	58.5	54.4	47.1	51.7	49.7	51.2	54.6	55.1	55.3	52.0
40°	84.5	79.3	68.6	67.6	68.1	50.9	51.6	52.2	53.7	56.6	53.4
37.5°	122.9	111.9	93.6	99.8	92.9	71.5	53.6	50.3	55.1	57.7	54.9
35°	184.0	155.4	144.9	144.1	129.1	97.3	56.9	50.6	57.5	59.2	56.6
32.5°	257.1	231.6	220.8	197.4	172.1	128.1	74.4	60.5	61.2	61.2	58.3
30°	352.6	363.7	312.6	256.5	221.8	168.8	111.4	72.9	66.2	63.7	60.2
27.5°	542.7	524.9	425.7	339.9	277.4	219.3	174.5	87.7	72.4	67.0	62.0
25°	793.0	719.8	582.1	439.4	336.5	371.8	254.0	106.2	82.8	71.7	64.1
22.5°	1130.7	950.4	757.9	547.7	566.9	565.1	363.8	166.5	96.1	77.1	66.4
20°	1523.9	1212.6	1020.9	947.5	855.1	771.8	511.8	235.4	110.4	83.1	68.9
17.5°	1983.4	1785.2	1680.5	1436.1	1188.7	997.5	681.7	311.0	125.5	89.4	71.4
15°	3089.4	2746.0	2414.6	1974.9	1549.4	1238.6	868.9	391.4	141.1	96.1	78.6
12.5°	4363.0	3750.6	3205.7	2552.5	1930.6	1491.1	1067.9	474.5	157.0	111.5	92.0
10°	5661.5	4785.2	4037.0	3155.9	2324.8	1750.6	1272.9	567.4	194.4	134.1	105.8
7.5°	6967.5	5834.4	4890.2	3771.1	2713.3	2004.4	1490.2	678.0	235.6	157.0	119.8
5°	8157.3	6719.8	5582.5	4265.8	3037.1	2243.9	1700.6	784.2	276.9	179.9	133.9
2.5°	8864.3	7325.2	6144.4	4718.5	3343.9	2473.3	1896.9	883.3	317.4	202.5	147.9
0°	9512.8	7888.3	6663.5	5135.5	3629.1	2689.8	2073.5	972.7	356.4	224.5	161.5
-2.5°	9461.6	7898.5	6650.6	5197.6	3757.6	2802.8	2150.1	1082.2	464.7	303.0	213.2
-5°	9352.5	7861.7	6594.7	5220.1	3858.9	2898.1	2204.2	1179.3	569.3	379.4	263.7
-7.5°	8869.8	7573.0	6412.6	5181.8	3932.0	2973.9	2238.4	1264.3	668.8	452.7	312.1
-10°	8278.4	7122.7	6058.9	4932.4	3822.2	2965.8	2245.6	1337.3	762.0	521.7	357.8
-12.5°	7667.0	6655.0	5692.6	4665.1	3667.5	2883.7	2175.8	1367.1	844.2	585.6	400.1
-15°	7046.1	6177.9	5322.8	4386.5	3501.3	2790.8	2100.1	1373.5	894.2	637.6	438.3
-17.5°	6458.6	5698.6	4957.7	4102.8	3326.8	2688.6	2022.4	1373.6	937.7	677.4	471.5
-20°	6043.7	5302.5	4603.0	3819.6	3147.4	2578.7	1946.0	1368.7	974.5	712.4	500.2



REPORT NUMBER: P701745 (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°
-22.5°	5631.0	4969.0	4298.2	3582.1	2981.5	2462.6	1874.3	1359.7	1004.2	742.4	524.9
-25°	5215.0	4631.1	4012.0	3393.6	2836.7	2351.1	1826.2	1347.6	1026.6	767.2	545.2
-27.5°	4826.2	4297.7	3738.1	3204.4	2709.6	2256.1	1796.4	1366.1	1045.0	786.5	560.9
-30°	4451.8	3996.8	3511.3	3025.5	2577.1	2161.6	1767.0	1377.0	1063.4	801.9	571.9
-32.5°	4196.0	3721.0	3300.7	2871.4	2456.4	2062.5	1711.2	1378.4	1074.7	812.1	581.6
-35°	3997.0	3515.4	3099.5	2714.7	2337.9	1974.9	1642.0	1370.4	1078.8	815.8	588.0
-37.5°	3779.3	3336.5	2927.1	2566.4	2215.1	1879.7	1581.5	1325.6	1075.7	812.9	589.8
-40°	3566.6	3149.5	2766.9	2428.3	2098.8	1777.1	1514.5	1278.8	1065.7	803.4	587.0
-42.5°	3337.2	2958.4	2608.5	2286.6	1979.1	1695.6	1442.6	1225.3	1022.5	792.7	579.6
-45°	3111.8	2760.6	2442.3	2144.5	1857.4	1607.8	1375.8	1165.8	970.8	778.5	568.3
-47.5°	2876.5	2565.2	2271.8	1992.8	1752.6	1516.3	1301.7	1102.5	914.7	757.8	553.4
-50°	2649.8	2365.4	2097.2	1853.2	1633.4	1425.4	1221.7	1034.1	863.0	712.9	533.5
-52.5°	2425.2	2166.6	1928.4	1710.6	1514.9	1326.7	1139.4	961.5	806.5	665.4	508.8
-55°	2200.5	1972.1	1759.8	1570.0	1392.1	1224.6	1051.6	891.4	745.6	615.3	479.8
-57.5°	1984.2	1776.1	1598.4	1429.2	1267.6	1115.3	963.0	816.1	683.6	562.3	449.0
-60°	1768.9	1599.4	1438.4	1285.6	1139.7	1004.2	871.3	738.2	619.1	507.9	408.0
-62.5°	1571.4	1420.0	1275.0	1137.7	1012.6	893.4	776.2	660.9	551.6	456.3	363.0
-65°	1374.2	1240.2	1107.4	997.3	887.8	783.7	684.4	580.3	489.7	403.3	319.4
-67.5°	1178.9	1073.6	959.6	858.1	772.7	685.1	591.0	507.7	428.5	349.0	281.3
-70°	1026.8	923.5	826.5	746.5	669.2	588.9	513.5	438.1	365.9	305.2	242.4
-72.5°	897.2	812.4	721.6	640.7	578.9	511.7	439.0	370.7	317.0	261.1	203.0
-75°	792.5	707.1	627.9	560.5	499.7	434.1	370.7	317.4	267.8	216.3	167.7
-77.5°	666.1	598.7	537.0	470.2	407.9	352.7	305.0	263.5	216.9	172.4	133.1
-80°	511.4	452.9	398.5	348.8	305.6	268.2	234.2	199.7	161.6	127.5	97.5
-82.5°	325.5	293.2	263.9	236.2	209.7	183.5	157.5	131.8	105.2	81.7	67.4
-85°	183.2	166.0	149.7	134.3	116.1	98.2	87.2	76.8	67.0	57.8	49.2
-87.5°	80.7	76.9	73.0	68.8	62.6	56.6	50.9	45.4	40.2	35.3	30.8
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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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	11.0	10.1	9.4	8.8	8.2	7.9
85°	16.0	14.0	12.3	10.8	9.6	8.6	7.9
82.5°	20.0	17.1	14.5	12.3	10.4	8.9	7.9
80°	23.7	20.1	16.7	13.7	11.3	9.3	7.9
77.5°	25.6	22.3	18.8	15.1	12.1	9.6	7.9
75°	27.3	23.3	20.5	16.5	12.9	9.9	7.9
72.5°	28.9	24.2	20.9	17.9	13.7	10.2	7.9
70°	30.3	25.0	21.2	18.9	14.4	10.5	7.9
67.5°	31.5	25.7	21.4	18.8	15.2	10.8	7.9
65°	32.7	26.5	21.5	18.7	15.9	11.1	7.9
62.5°	33.8	27.6	21.6	18.6	16.5	11.4	7.9
60°	34.9	28.7	21.6	18.4	17.2	11.7	7.9
57.5°	36.2	29.7	22.4	18.1	17.0	12.0	7.9
55°	37.6	30.7	23.3	17.8	16.9	12.2	7.9
52.5°	39.0	31.8	24.1	17.5	16.7	12.4	7.9
50°	40.5	33.1	25.0	17.1	16.6	12.7	7.9
47.5°	42.1	34.4	25.7	16.9	16.5	12.9	7.9
45°	43.7	35.8	26.5	17.4	16.5	13.0	7.9
42.5°	45.4	37.2	27.2	18.0	16.4	13.2	7.9
40°	47.0	38.5	28.1	18.8	16.4	13.4	7.9
37.5°	48.6	39.9	29.1	19.8	16.4	13.5	7.9
35°	50.1	41.2	30.1	20.9	16.4	13.6	7.9
32.5°	51.6	42.4	31.1	21.9	16.4	13.8	7.9
30°	53.0	43.5	32.0	23.0	16.5	13.9	7.9
27.5°	54.3	44.6	33.9	24.0	16.5	13.9	7.9
25°	55.7	45.7	36.1	25.1	16.6	14.0	7.9
22.5°	57.1	47.4	38.2	26.1	16.7	14.0	7.9
20°	58.5	51.1	40.3	27.1	16.8	14.1	7.9
17.5°	63.6	55.0	42.4	28.1	16.9	14.1	7.9
15°	71.2	59.0	44.5	29.0	17.0	14.1	7.9
12.5°	79.2	63.1	46.5	29.9	17.2	14.1	7.9
10°	87.5	67.2	48.4	30.8	17.3	14.0	7.9
7.5°	95.8	71.3	50.3	31.6	17.4	14.0	7.9
5°	104.1	75.3	52.0	32.3	17.5	13.9	7.9
2.5°	112.3	79.1	53.6	32.9	17.6	13.9	7.9
0°	120.1	82.7	55.1	33.5	17.7	13.8	7.9
-2.5°	151.5	100.6	64.4	37.6	19.1	14.1	7.9
-5°	182.0	118.1	73.4	41.6	20.4	14.4	7.9
-7.5°	211.3	134.8	82.0	45.3	21.7	14.6	7.9
-10°	238.9	150.7	90.2	48.9	23.0	14.9	7.9
-12.5°	264.5	165.4	97.7	52.2	24.2	15.1	7.9
-15°	287.7	178.8	104.6	55.2	25.3	15.3	7.9
-17.5°	308.1	190.6	110.7	57.9	26.3	15.5	7.9
-20°	327.4	200.8	116.0	60.2	27.3	15.7	7.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	346.8	209.2	120.3	62.0	28.1	15.8	7.9
-25°	363.3	219.9	123.6	63.5	28.9	15.9	7.9
-27.5°	376.8	230.2	125.9	64.5	29.5	16.0	7.9
-30°	387.1	238.3	127.5	65.0	30.1	16.1	7.9
-32.5°	394.1	244.0	131.6	65.0	30.4	16.1	7.9
-35°	399.6	247.2	134.2	64.5	30.7	16.1	7.9
-37.5°	402.3	248.7	135.2	63.4	30.8	16.0	7.9
-40°	401.3	249.2	134.7	61.8	30.8	16.0	7.9
-42.5°	396.6	247.2	133.7	60.3	30.7	15.9	7.9
-45°	388.1	242.5	132.5	59.3	30.4	15.7	7.9
-47.5°	376.0	235.4	129.8	57.5	29.9	15.5	7.9
-50°	362.7	225.7	125.8	56.9	29.4	15.3	7.9
-52.5°	346.3	213.6	120.4	56.4	28.6	15.1	7.9
-55°	326.4	202.7	113.7	55.2	27.8	14.9	7.9
-57.5°	303.1	190.6	105.7	53.5	26.8	14.6	7.9
-60°	277.4	176.4	96.7	51.2	25.7	14.2	7.9
-62.5°	254.7	160.5	90.8	48.3	24.8	13.9	7.9
-65°	229.4	142.8	83.9	45.0	23.7	13.5	7.9
-67.5°	201.9	126.7	76.3	41.2	22.6	13.1	7.9
-70°	172.2	112.5	67.8	37.0	21.4	12.7	7.9
-72.5°	148.2	97.2	58.6	33.9	20.1	12.3	7.9
-75°	123.7	80.9	48.8	30.9	18.7	11.8	7.9
-77.5°	98.0	63.7	42.2	27.7	17.3	11.4	7.9
-80°	71.3	51.4	36.3	24.4	15.9	10.9	7.9
-82.5°	55.6	41.6	30.1	21.0	14.4	10.4	7.9
-85°	41.2	31.7	23.7	17.5	12.9	9.9	7.9
-87.5°	26.6	21.5	17.3	13.9	11.3	9.4	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	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

