

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: P731710 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-7F-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731710 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-7F-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

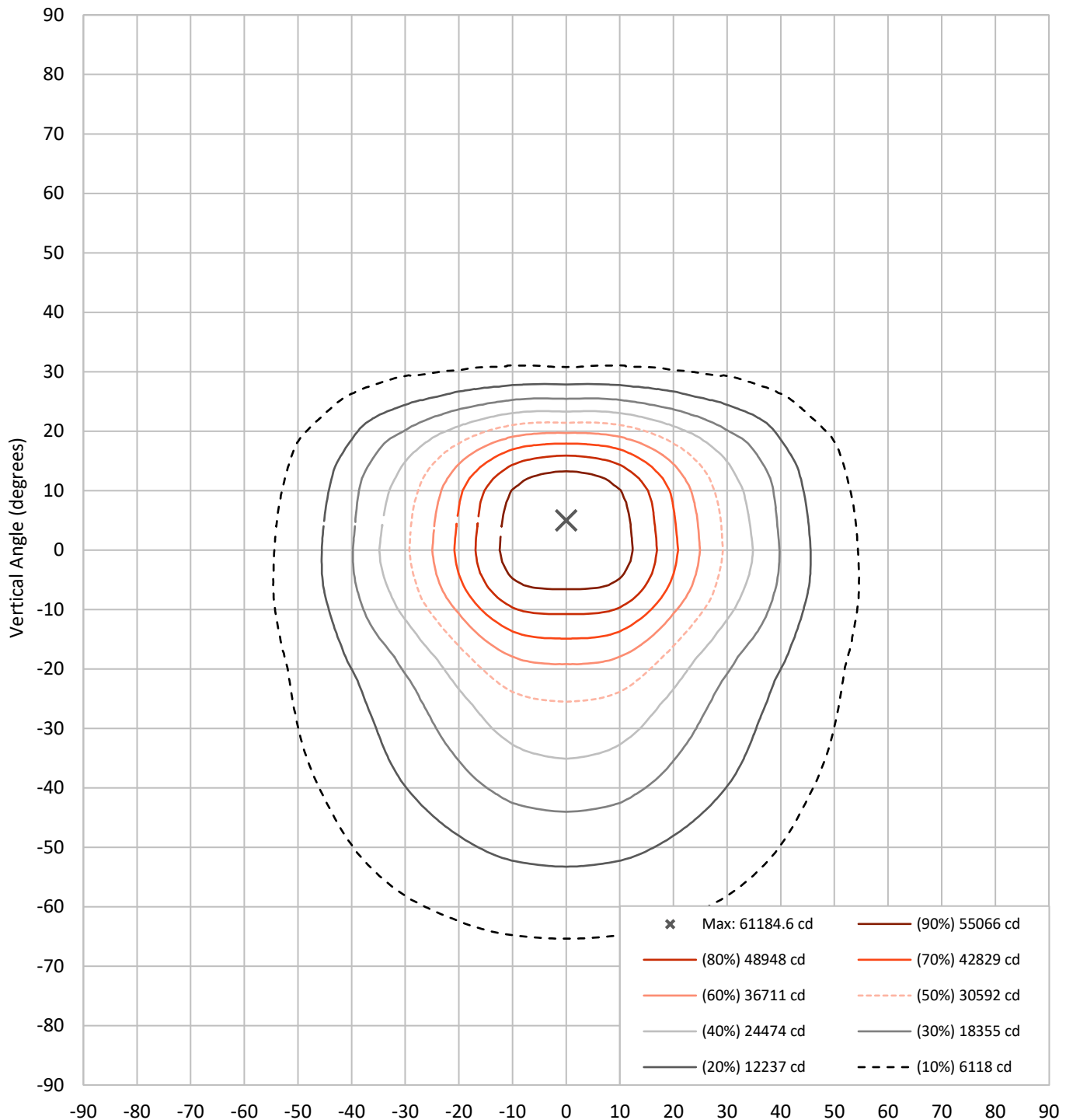
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	59950.7 lumens	Max Intensity:	61184.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	86.0 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:	28835 lumens	Field Lumens:	55576 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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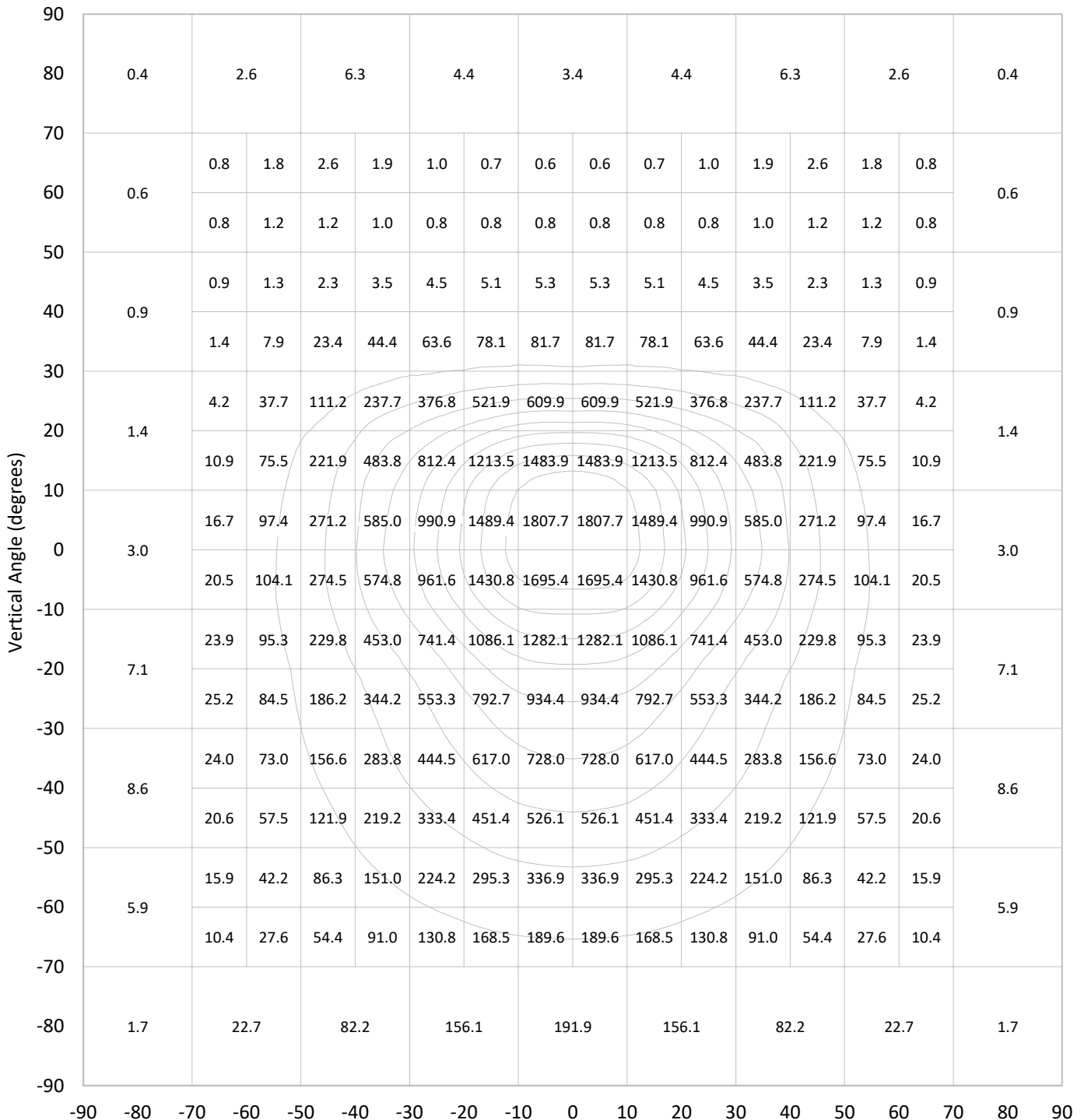
Iso-Candela Plot





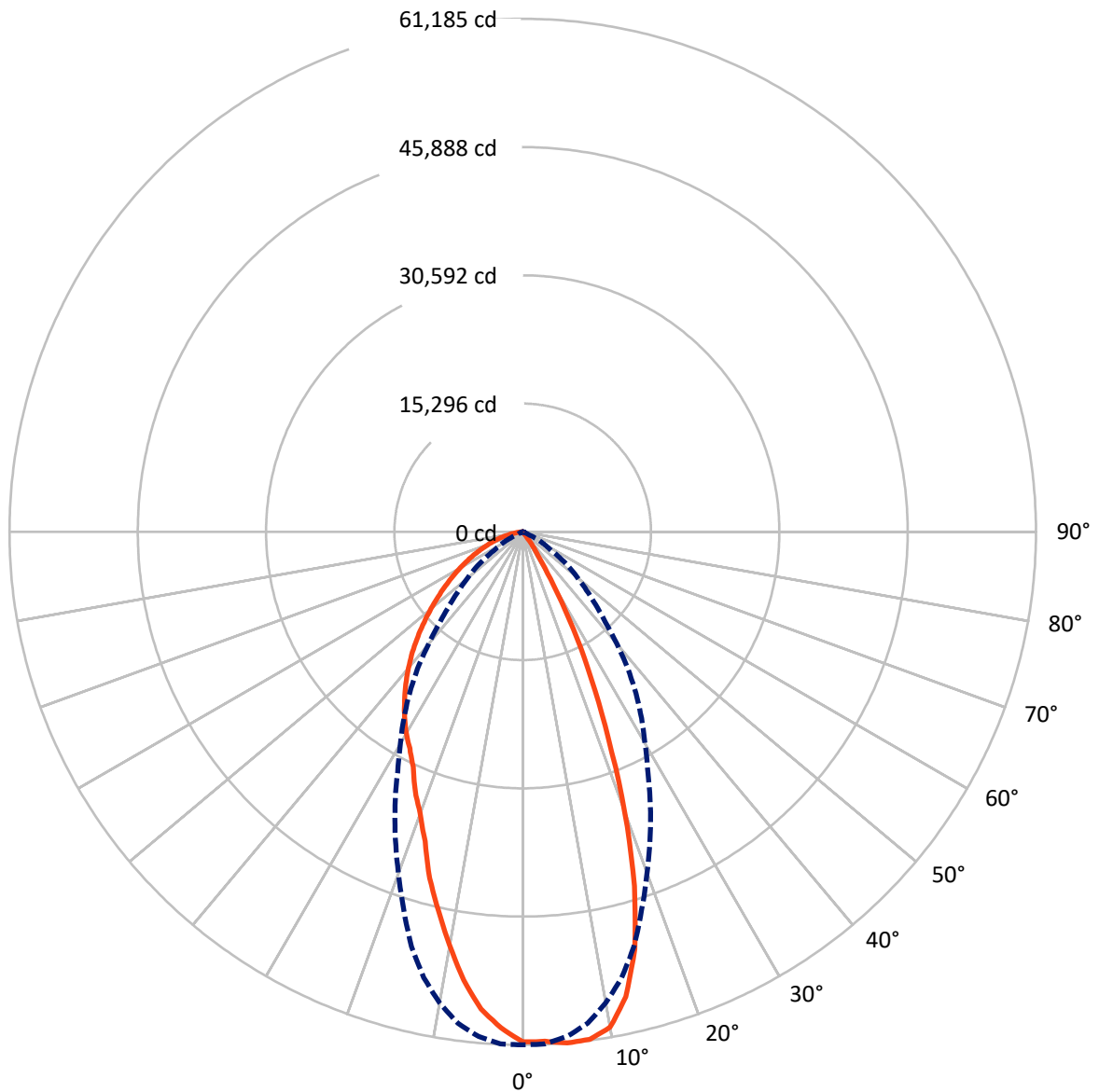
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Lumen Table



REPORT NUMBER: P731710 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV1

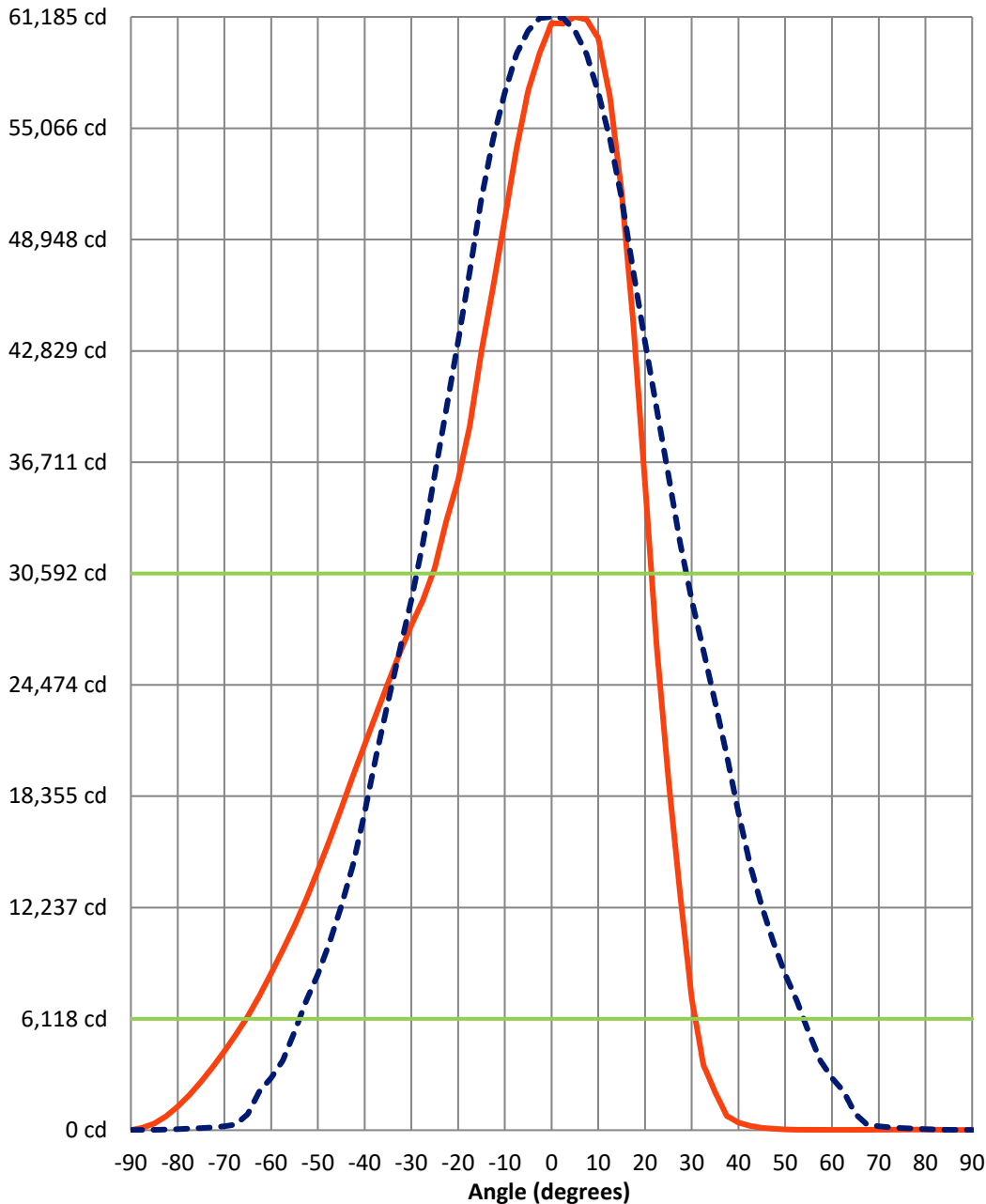
Luminous Intensity Polar Plot



— 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: 28835
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 55576
 Efficiency: 92.7%

Spill:
 Lumens: 4374.7
 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°	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	9.8	11.2	11.3	11.6	12.1	12.7	12.6	12.4	12.1	11.6
85°	8.4	10.1	12.0	12.7	13.8	15.3	17.1	17.4	17.4	17.3	17.0
82.5°	8.4	10.4	12.7	14.1	16.0	18.4	21.4	22.1	22.5	23.6	26.1
80°	8.4	10.7	13.4	15.4	18.1	21.5	25.2	25.6	27.7	31.5	37.2
77.5°	8.4	11.0	14.1	16.7	20.2	23.6	26.1	28.3	32.6	39.1	45.6
75°	8.4	11.3	14.7	18.0	21.9	24.0	27.0	30.8	36.8	41.9	47.0
72.5°	8.4	11.6	15.4	19.2	21.9	24.4	27.8	32.6	37.8	43.1	48.3
70°	8.4	11.9	16.0	20.2	21.9	24.7	28.5	33.4	38.8	44.1	50.8
67.5°	8.4	12.2	16.6	20.0	21.9	24.9	29.3	34.2	39.7	46.6	53.5
65°	8.4	12.4	17.2	19.8	21.8	25.4	30.1	34.8	41.7	49.0	56.5
62.5°	8.4	12.7	17.8	19.5	21.6	26.2	31.0	36.2	43.7	51.3	60.2
60°	8.4	12.9	18.3	19.3	21.4	27.1	31.8	37.9	45.6	54.1	63.6
57.5°	8.4	13.1	18.2	19.0	22.1	27.9	33.4	39.5	47.6	56.7	65.3
55°	8.4	13.4	18.0	18.6	22.9	28.7	35.1	41.3	49.4	58.6	66.3
52.5°	8.4	13.6	17.9	18.3	23.6	29.6	36.7	43.4	50.9	59.7	67.4
50°	8.4	13.8	17.7	17.9	24.3	31.0	38.2	45.7	52.2	60.9	67.7
47.5°	8.4	14.0	17.6	17.7	25.0	32.2	39.9	48.1	53.2	62.0	68.9
45°	8.4	14.1	17.6	18.2	25.6	33.5	42.2	50.8	56.3	64.2	71.0
42.5°	8.4	14.3	17.5	18.7	26.3	34.7	44.7	53.8	59.8	67.1	74.6
40°	8.4	14.4	17.5	19.4	27.0	35.8	47.2	57.2	64.2	71.1	79.3
37.5°	8.4	14.5	17.5	20.4	27.8	36.8	49.8	60.9	70.0	78.0	85.1
35°	8.4	14.7	17.5	21.4	28.6	38.6	52.6	64.8	76.0	86.3	93.4
32.5°	8.4	14.8	17.5	22.5	29.3	40.6	55.4	69.0	82.2	95.7	108.9
30°	8.4	14.8	17.6	23.5	30.0	42.6	58.7	73.5	88.7	106.0	126.6
27.5°	8.4	14.9	17.6	24.6	32.1	44.7	62.0	78.8	96.2	117.2	146.5
25°	8.4	15.0	17.7	25.8	34.6	46.6	65.4	84.1	105.1	132.1	170.6
22.5°	8.4	15.0	17.8	26.9	37.1	49.5	68.7	89.5	114.4	149.5	250.4
20°	8.4	15.0	17.9	28.0	39.8	54.9	72.1	94.7	124.0	167.7	339.7
17.5°	8.4	15.0	18.1	29.1	42.5	60.3	78.3	100.0	133.7	186.5	436.5
15°	8.4	15.0	18.2	30.2	45.2	65.8	86.1	107.9	143.4	205.6	538.3
12.5°	8.4	15.0	18.3	31.2	48.0	71.3	93.9	119.3	158.4	224.6	642.5
10°	8.4	15.0	18.4	32.2	50.7	76.7	101.6	130.8	177.8	254.1	740.8
7.5°	8.4	14.9	18.6	33.2	53.4	81.9	109.1	142.1	197.0	284.5	820.7
5°	8.4	14.9	18.7	34.1	56.0	87.0	116.4	153.1	216.0	314.1	890.5
2.5°	8.4	14.8	18.8	34.9	58.5	91.9	123.4	163.8	234.3	342.5	949.2
0°	8.4	14.7	18.9	35.6	60.8	96.5	130.0	174.0	251.6	369.1	996.0
-2.5°	8.4	15.0	20.4	40.0	70.7	115.3	162.6	228.8	337.0	493.7	1126.0
-5°	8.4	15.2	21.8	44.2	80.2	133.6	194.4	282.1	419.9	614.3	1243.3
-7.5°	8.4	15.5	23.2	48.2	89.4	151.1	225.0	333.3	499.1	729.2	1347.8
-10°	8.4	15.7	24.5	52.0	98.0	167.5	254.0	381.5	573.2	836.6	1439.6
-12.5°	8.4	15.9	25.8	55.6	105.9	182.8	280.9	425.9	641.2	934.9	1525.2
-15°	8.4	16.1	26.9	58.8	113.2	196.6	305.5	465.9	705.6	1023.7	1598.5
-17.5°	8.4	16.2	28.0	61.6	119.6	208.7	327.4	508.7	767.8	1102.2	1655.2
-20°	8.4	16.4	29.0	64.1	125.1	219.1	351.2	552.4	822.6	1169.4	1694.7



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.4	16.5	29.9	66.1	129.5	227.5	379.8	590.4	869.5	1224.6	1716.5
-25°	8.4	16.6	30.6	67.6	132.9	240.3	404.1	622.4	907.9	1267.0	1720.2
-27.5°	8.4	16.6	31.3	68.7	135.2	253.2	423.8	647.8	937.4	1300.3	1761.0
-30°	8.4	16.7	31.7	69.2	136.8	263.3	438.8	666.5	962.6	1330.1	1786.7
-32.5°	8.4	16.7	32.1	69.2	141.9	270.4	448.8	682.4	981.6	1347.7	1794.6
-35°	8.4	16.6	32.3	68.7	145.3	274.3	456.0	692.5	990.9	1353.1	1784.1
-37.5°	8.4	16.6	32.3	67.6	146.8	276.2	459.4	695.2	990.6	1345.9	1731.3
-40°	8.4	16.5	32.2	65.9	146.5	277.2	458.0	690.4	980.4	1333.4	1675.7
-42.5°	8.4	16.4	31.9	64.4	145.7	275.2	451.9	678.1	964.9	1288.0	1609.6
-45°	8.4	16.2	31.5	63.6	144.8	270.2	440.9	661.2	941.7	1230.8	1534.9
-47.5°	8.4	16.0	30.9	61.9	142.3	262.1	425.2	641.8	908.1	1165.7	1460.7
-50°	8.4	15.8	30.1	61.4	138.3	251.1	409.7	615.9	851.9	1100.6	1377.1
-52.5°	8.4	15.6	29.2	60.8	132.7	237.2	390.7	583.8	797.2	1028.0	1285.3
-55°	8.4	15.3	28.1	59.5	125.7	225.4	367.5	546.4	739.9	948.4	1193.1
-57.5°	8.4	15.0	26.9	57.5	117.2	212.3	340.4	510.3	677.2	871.0	1092.8
-60°	8.4	14.7	25.6	54.9	107.5	197.1	310.6	464.9	611.5	789.8	988.8
-62.5°	8.4	14.4	24.7	51.6	100.8	179.7	285.7	414.4	550.2	702.6	885.9
-65°	8.4	14.0	23.7	47.8	93.0	160.5	258.0	364.7	485.1	621.7	776.2
-67.5°	8.4	13.6	22.6	43.5	84.3	142.6	227.7	321.8	416.5	539.7	674.0
-70°	8.4	13.2	21.4	38.7	74.6	126.4	195.1	276.7	360.7	453.8	572.7
-72.5°	8.4	12.8	20.2	35.4	64.1	109.0	167.8	229.8	303.0	383.8	471.9
-75°	8.4	12.4	18.9	32.4	53.0	90.4	140.0	189.0	243.2	311.7	386.6
-77.5°	8.4	11.9	17.6	29.1	45.8	70.8	110.7	149.7	192.7	241.2	298.7
-80°	8.4	11.4	16.2	25.7	39.3	56.9	80.3	109.3	142.1	179.2	220.6
-82.5°	8.4	10.9	14.8	22.2	32.6	46.0	62.5	75.1	90.4	116.0	144.7
-85°	8.4	10.5	13.4	18.5	25.7	34.9	46.1	54.6	63.7	73.4	83.6
-87.5°	8.4	10.0	12.0	14.8	18.6	23.5	29.4	33.9	38.7	43.8	49.2
-90°	8.4	9.5	10.5	10.0	9.5	8.9	8.4	7.9	7.4	6.8	6.3



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.7	14.7	14.7	14.7	15.2	15.8	16.3	16.8	17.9	18.9	20.0
87.5°	12.4	13.1	13.9	14.7	13.7	12.4	10.9	9.3	9.8	10.3	10.9
85°	18.4	19.9	21.8	23.1	22.1	21.2	20.6	20.1	21.2	22.2	22.9
82.5°	28.7	30.4	31.4	31.6	32.2	33.3	35.1	38.8	41.3	42.8	43.7
80°	39.9	41.1	42.0	44.7	49.8	55.7	62.2	69.4	71.7	71.9	71.1
77.5°	46.9	49.3	54.3	61.6	69.9	78.1	87.3	97.2	100.1	99.2	97.3
75°	50.9	56.9	65.5	76.1	87.0	98.2	110.1	121.3	124.4	120.9	116.2
72.5°	54.8	63.9	75.4	89.2	101.1	112.6	125.4	139.5	144.4	137.2	128.8
70°	58.7	70.2	83.3	96.9	110.5	123.6	136.1	149.6	157.6	146.4	129.4
67.5°	62.1	75.4	89.3	103.3	115.7	128.5	142.6	148.3	151.9	133.9	114.7
65°	66.0	80.1	92.8	105.2	118.4	123.7	128.3	133.2	132.5	111.9	91.4
62.5°	69.9	81.5	93.6	103.4	106.6	109.8	109.7	106.6	101.6	87.5	69.9
60°	71.3	81.4	89.7	93.0	93.8	90.8	86.8	82.9	76.7	64.8	52.8
57.5°	72.1	77.5	81.4	82.4	78.8	72.8	70.1	63.8	58.6	51.7	41.8
55°	71.7	71.1	73.3	71.4	67.1	62.2	57.3	53.2	46.8	44.6	40.2
52.5°	69.9	66.7	65.7	63.5	60.6	55.6	50.8	47.5	45.9	43.3	39.7
50°	69.2	65.1	60.1	59.9	57.6	53.9	48.8	48.1	48.2	45.9	41.7
47.5°	70.1	65.2	58.8	59.0	59.2	60.5	56.2	54.2	55.0	61.1	54.5
45°	72.4	69.8	63.1	63.0	68.8	76.6	83.6	64.3	83.8	93.5	101.1
42.5°	76.2	77.4	80.8	68.9	91.1	119.1	132.5	139.4	132.2	162.8	194.4
40°	84.6	87.6	111.0	120.2	129.7	187.7	268.1	286.9	218.0	303.2	355.8
37.5°	95.0	124.6	165.4	214.5	210.1	331.2	457.2	553.8	544.2	514.6	736.9
35°	106.9	170.3	280.1	389.8	437.9	552.7	785.0	953.3	1053.4	1113.8	1296.9
32.5°	139.9	224.3	423.5	656.6	857.3	971.1	1190.4	1559.3	1908.2	2116.6	2114.5
30°	197.7	357.4	625.9	984.1	1374.2	1694.1	1875.5	2349.4	3014.6	3487.6	3802.9
27.5°	283.1	519.2	938.2	1457.0	2003.5	2546.7	2908.7	3524.6	4419.7	5140.6	5814.0
25°	387.6	776.1	1290.0	2019.5	2823.1	3513.1	4033.8	4889.9	6024.0	7154.8	8281.4
22.5°	553.9	1074.5	1680.4	2634.4	3727.6	4511.8	5276.7	6320.1	7631.8	9219.3	10937.1
20°	785.6	1421.7	2097.2	3117.0	4632.1	5528.4	6467.6	7712.9	9242.7	11172.2	13465.7
17.5°	1036.0	1749.6	2505.9	3642.7	5121.1	6363.1	7624.2	9043.4	10757.8	12996.0	15466.7
15°	1299.3	2058.0	2871.1	4112.2	5578.7	6920.7	8412.8	10258.7	12280.4	14700.9	17285.4
12.5°	1569.4	2346.6	3194.6	4525.7	6015.7	7425.9	9017.2	10936.9	13288.9	16128.2	18841.3
10°	1839.4	2615.6	3479.0	4884.0	6425.6	7877.6	9536.2	11500.4	13893.3	16738.0	19670.5
7.5°	2004.9	2793.0	3711.5	5188.3	6801.5	8274.9	9971.8	11953.0	14312.0	17173.9	20196.2
5°	2130.1	2872.9	3832.3	5395.6	7098.8	8569.1	10311.8	12299.9	14564.0	17439.6	20595.5
2.5°	2227.5	2931.7	3928.8	5549.8	7323.4	8729.1	10514.2	12521.9	14826.6	17769.8	20998.6
0°	2296.2	2971.4	3998.9	5655.5	7492.4	8832.3	10646.2	12655.1	15009.9	18056.8	21357.4
-2.5°	2363.0	3094.2	4141.4	5790.3	7516.8	8847.7	10696.4	12660.5	15009.8	18001.1	21208.6
-5°	2404.9	3196.5	4253.8	5875.2	7491.8	8816.0	10668.7	12584.5	14846.3	17674.7	20657.5
-7.5°	2426.7	3274.8	4335.0	5888.0	7362.4	8630.0	10335.2	12136.1	14306.4	16956.8	19707.0
-10°	2438.2	3321.9	4326.4	5710.8	7093.6	8331.1	9890.0	11615.3	13659.7	16124.3	18669.0
-12.5°	2470.3	3347.4	4287.2	5517.3	6801.8	7993.1	9396.1	11030.0	12909.5	15193.4	17528.0
-15°	2487.6	3360.3	4232.7	5317.6	6495.0	7618.7	8861.6	10385.8	12096.9	14139.9	16211.2
-17.5°	2492.5	3362.7	4166.3	5121.0	6180.7	7210.6	8335.8	9833.9	11391.8	13156.0	14922.6
-20°	2487.0	3356.4	4091.1	4935.8	5871.8	6914.1	8050.0	9357.0	10751.6	12243.3	13715.1



REPORT NUMBER: P731710 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2473.3	3343.3	4027.7	4804.5	5723.5	6719.8	7764.8	8895.6	10095.6	11391.1	12883.7
-25°	2466.4	3295.3	3985.3	4711.5	5579.9	6515.6	7464.8	8469.6	9515.8	10872.4	12296.0
-27.5°	2455.5	3244.5	3902.1	4582.6	5413.8	6309.2	7199.5	8116.6	9190.7	10409.4	11730.6
-30°	2423.1	3121.9	3788.9	4431.6	5238.0	6100.6	6950.8	7822.7	8839.0	9988.0	11213.7
-32.5°	2331.9	2982.7	3638.4	4284.1	5026.4	5872.1	6694.1	7539.5	8482.4	9512.0	10691.0
-35°	2229.9	2839.2	3469.7	4101.1	4779.3	5594.9	6394.8	7211.8	8087.0	9053.0	10152.3
-37.5°	2155.7	2684.9	3289.1	3895.0	4545.9	5270.6	6054.9	6841.4	7669.9	8590.4	9630.2
-40°	2067.3	2520.5	3105.8	3685.7	4278.2	4946.3	5679.1	6434.0	7211.8	8129.7	9082.5
-42.5°	1968.4	2406.1	2915.8	3463.8	4022.6	4629.8	5283.8	6002.0	6782.4	7636.4	8531.0
-45°	1883.0	2277.6	2725.7	3238.5	3757.6	4307.8	4914.3	5556.4	6327.3	7121.8	7952.6
-47.5°	1785.8	2143.2	2564.6	3000.4	3489.4	3996.7	4533.1	5158.5	5843.4	6587.4	7349.4
-50°	1680.8	2021.5	2380.9	2786.1	3219.5	3683.8	4173.5	4744.2	5369.3	6034.0	6735.3
-52.5°	1575.2	1887.2	2218.0	2570.8	2964.3	3381.6	3835.2	4343.4	4896.6	5479.2	6097.9
-55°	1459.4	1750.8	2051.9	2371.8	2715.0	3093.7	3499.2	3953.6	4429.2	4957.2	5477.7
-57.5°	1340.5	1604.0	1881.7	2177.9	2486.5	2808.3	3175.9	3560.8	3990.5	4441.9	4901.1
-60°	1216.3	1452.3	1703.9	1976.3	2263.0	2553.0	2850.8	3191.7	3556.6	3931.7	4342.1
-62.5°	1086.0	1297.9	1522.9	1764.4	2026.8	2289.3	2556.2	2838.2	3133.8	3470.7	3813.2
-65°	956.9	1139.4	1339.7	1554.6	1779.3	2015.0	2254.4	2496.0	2754.6	3032.1	3320.5
-67.5°	820.8	985.6	1157.9	1340.3	1539.8	1739.9	1948.9	2167.3	2387.1	2611.9	2848.7
-70°	698.2	829.0	979.1	1138.3	1299.4	1463.3	1643.9	1831.4	2022.9	2214.2	2411.0
-72.5°	574.7	687.0	807.0	934.2	1069.5	1204.5	1345.4	1491.7	1647.2	1808.3	1971.8
-75°	462.4	542.1	640.4	746.4	849.7	951.3	1057.1	1176.0	1299.1	1423.3	1547.1
-77.5°	358.7	422.1	490.5	563.5	635.4	717.0	800.7	886.0	975.1	1066.6	1159.3
-80°	259.6	299.8	350.2	404.7	456.9	509.7	564.0	619.6	677.7	741.8	811.1
-82.5°	172.0	200.6	230.6	262.0	291.1	319.9	350.8	388.6	426.8	466.0	506.0
-85°	92.0	100.5	118.2	136.8	155.4	173.9	192.5	211.0	230.0	248.4	266.3
-87.5°	53.4	57.7	62.0	66.4	71.0	75.7	80.3	84.9	91.2	97.5	103.9
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	21.0	21.5	22.1	22.6	23.1	23.6	24.2	24.7	25.2	25.7	26.3
87.5°	11.5	10.7	9.8	8.9	8.0	10.5	13.1	15.7	18.4	17.0	15.6
85°	23.3	23.5	23.6	23.7	23.8	26.5	29.2	31.9	34.4	31.8	29.0
82.5°	43.9	43.2	41.7	39.5	36.6	35.9	35.0	33.7	32.0	30.6	29.4
80°	69.6	66.1	61.5	56.1	50.0	46.9	44.0	40.7	37.2	36.2	35.3
77.5°	93.6	87.1	79.4	71.0	62.1	56.5	51.5	46.0	40.3	38.6	37.6
75°	110.5	102.2	91.2	79.4	66.9	58.2	51.4	44.5	37.7	36.1	35.8
72.5°	119.2	107.8	93.8	77.2	61.5	51.0	44.6	38.8	33.7	31.9	31.1
70°	112.1	94.9	78.6	63.4	49.3	40.0	35.5	31.5	27.9	27.0	27.5
67.5°	94.8	77.3	62.6	49.5	38.3	30.7	28.0	25.9	24.3	23.7	23.7
65°	74.0	59.3	47.3	37.4	29.3	24.7	23.8	22.9	22.1	21.3	20.6
62.5°	54.6	43.4	35.9	30.2	25.9	23.1	22.4	21.4	20.4	19.3	18.5
60°	42.5	33.8	29.9	27.5	25.3	23.5	22.7	22.2	21.9	21.6	20.9
57.5°	37.0	32.5	29.0	27.6	26.4	25.5	25.1	24.6	23.9	23.0	22.3
55°	36.1	32.6	29.6	28.8	28.3	27.6	27.0	26.2	25.4	24.5	24.1
52.5°	36.1	34.6	32.3	31.3	31.7	30.9	29.2	30.1	30.2	29.4	28.9
50°	40.8	41.2	41.7	38.2	41.8	43.4	41.2	43.0	45.7	45.9	45.7
47.5°	57.9	61.7	66.7	62.9	67.5	74.5	73.9	74.4	80.7	81.5	81.2
45°	92.4	109.0	116.9	121.5	119.7	136.0	139.1	133.9	142.5	144.1	141.6
42.5°	184.9	194.2	215.0	231.5	222.0	238.8	243.8	228.6	243.4	250.1	242.9
40°	414.1	329.3	390.9	433.5	418.6	386.1	442.5	422.3	420.4	443.9	425.5
37.5°	817.5	725.7	788.8	910.4	906.0	752.9	923.7	912.6	767.1	939.5	924.5
35°	1466.1	1635.9	1560.1	1787.4	1853.3	1887.6	1982.3	2080.1	1973.0	2114.1	2110.5
32.5°	2625.1	2977.4	3133.1	3160.8	3452.6	3690.3	3589.7	3971.0	3947.7	4043.1	4140.5
30°	4144.2	4929.5	5327.0	5337.0	5821.0	6247.0	6382.1	6860.7	7143.8	7096.8	7570.9
27.5°	6612.1	7383.7	8038.3	8596.9	8974.0	9645.7	10580.7	11052.4	11747.9	12020.6	12676.0
25°	9400.7	10359.2	11392.6	12364.7	13162.9	14366.1	15529.7	16263.4	17258.5	18038.3	18830.8
22.5°	12421.5	13693.2	15019.1	16473.1	17957.7	19425.6	20839.0	22194.6	23521.2	24986.6	25882.4
20°	15510.0	16947.3	18561.2	20531.9	22591.5	24361.7	26292.2	28417.7	30449.8	32341.2	33769.9
17.5°	17857.0	20081.2	21829.6	23961.5	26519.3	29013.0	31474.0	34277.1	36862.4	39273.8	41424.4
15°	19649.2	21980.8	24515.0	27088.3	29782.7	32751.9	36137.2	39204.4	42398.0	45234.1	47890.3
12.5°	21211.4	23578.5	26230.6	29231.7	32630.3	35818.1	39366.1	43201.9	46590.2	49922.0	52414.2
10°	22364.4	24993.9	27682.6	30700.0	34165.7	37887.5	41732.6	45610.0	49409.2	52625.5	55302.9
7.5°	23000.4	25793.1	28606.1	31757.1	35320.3	38981.1	42822.2	46870.5	50694.6	54006.9	56465.7
5°	23518.1	26357.3	29137.8	32301.3	36014.0	39650.5	43330.1	47193.9	51198.0	54464.9	57023.2
2.5°	23970.0	26740.1	29452.3	32532.6	36358.6	40011.3	43794.5	47799.8	51671.9	54823.4	57313.6
0°	24362.3	26977.2	29629.8	32683.0	36683.9	40380.9	44102.9	48022.1	51966.5	55036.4	57556.9
-2.5°	24078.5	26642.4	29256.2	32377.0	36192.6	39829.2	43572.4	47541.2	51277.3	54386.8	56830.4
-5°	23338.7	25808.4	28403.8	31517.1	35159.3	38721.3	42414.6	46237.5	49749.4	52858.2	55106.1
-7.5°	22256.9	24674.7	27260.0	30324.5	33713.7	36946.6	40247.4	43791.0	47286.6	50031.4	52172.4
-10°	21054.5	23355.6	25735.2	28430.4	31431.4	34451.1	37483.9	40778.1	43858.1	46435.4	48496.4
-12.5°	19626.9	21670.9	23861.9	26212.7	28967.8	31843.9	34736.0	37621.4	40462.2	42780.6	44647.7
-15°	18084.9	19892.5	21893.5	24167.4	26622.2	29160.0	31768.9	34524.4	37082.8	39242.4	40888.5
-17.5°	16563.8	18182.5	20216.3	22283.6	24267.4	26594.6	29189.3	31467.9	33802.6	35741.9	37196.1
-20°	15274.3	17015.8	18784.2	20550.5	22445.6	24708.2	26908.1	29056.4	31131.1	32896.9	34342.8



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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°	14433.7	15963.7	17472.8	19143.5	21070.0	23066.6	25057.7	27010.9	28888.6	30565.9	31941.2
-25°	13669.3	14964.0	16458.4	18154.7	19781.5	21532.9	23412.8	25045.3	26826.5	28345.5	29522.1
-27.5°	13001.1	14282.3	15748.8	17274.6	18745.9	20324.5	22036.8	23594.9	25197.8	26658.4	27685.1
-30°	12419.3	13746.6	15125.6	16521.4	17907.0	19367.5	20855.8	22361.7	23832.4	25156.7	26143.6
-32.5°	11923.4	13168.6	14461.9	15760.8	17024.2	18354.6	19735.2	21119.6	22482.1	23640.9	24607.1
-35°	11359.6	12551.7	13753.5	14920.0	16090.2	17280.1	18561.4	19857.5	21076.5	22134.5	23077.7
-37.5°	10730.5	11879.1	12975.8	14037.7	15122.5	16222.8	17409.6	18600.3	19720.0	20677.7	21576.9
-40°	10104.4	11151.0	12144.3	13135.5	14130.0	15160.4	16233.7	17299.9	18282.8	19188.5	20026.6
-42.5°	9453.8	10369.9	11274.1	12196.7	13114.2	14043.4	15002.3	15971.8	16847.7	17673.8	18416.7
-45°	8797.5	9583.7	10382.4	11227.6	12065.2	12899.5	13729.7	14548.2	15368.2	16138.0	16765.4
-47.5°	8099.5	8809.0	9534.1	10260.8	11011.4	11772.9	12498.6	13207.1	13931.4	14619.4	15137.7
-50°	7395.1	8052.0	8707.4	9347.6	10011.2	10681.0	11342.2	11965.8	12572.6	13157.7	13562.9
-52.5°	6685.7	7293.1	7893.7	8472.7	9048.5	9619.4	10179.6	10732.9	11264.5	11766.0	12087.3
-55°	6011.9	6553.7	7081.8	7587.5	8095.6	8597.0	9091.1	9575.1	10034.0	10465.1	10712.9
-57.5°	5378.3	5850.2	6312.6	6748.0	7173.3	7586.5	8023.2	8462.9	8876.1	9246.6	9446.4
-60°	4760.9	5185.9	5582.8	5946.7	6311.4	6674.3	7042.2	7405.4	7759.1	8066.8	8238.7
-62.5°	4153.6	4516.8	4854.6	5167.8	5469.0	5768.7	6087.8	6394.2	6685.6	6923.1	7068.8
-65°	3621.6	3929.3	4182.2	4431.6	4679.1	4942.6	5207.7	5460.5	5699.9	5886.0	6008.7
-67.5°	3104.4	3357.4	3568.0	3774.9	3982.0	4191.5	4405.0	4611.8	4810.5	4960.9	5067.6
-70°	2612.6	2803.9	2968.7	3137.2	3308.8	3480.1	3651.6	3816.7	3974.4	4089.0	4174.8
-72.5°	2136.9	2284.7	2413.1	2543.8	2672.9	2805.5	2938.4	3066.1	3187.6	3269.7	3329.9
-75°	1670.2	1777.4	1880.3	1980.1	2076.3	2175.0	2272.7	2366.1	2454.5	2516.7	2566.3
-77.5°	1257.4	1333.6	1400.7	1466.5	1530.6	1599.1	1666.1	1729.4	1788.5	1831.7	1868.1
-80°	880.9	930.0	972.8	1013.2	1050.8	1093.3	1134.9	1174.2	1211.0	1236.2	1256.3
-82.5°	546.7	575.5	601.3	625.0	646.6	668.8	689.5	708.2	725.0	744.7	763.0
-85°	283.6	295.5	306.4	316.6	325.9	335.0	343.2	350.5	357.0	360.5	363.0
-87.5°	110.2	113.0	115.5	117.9	120.0	122.9	125.6	128.1	130.5	132.6	134.6
-90°	6.3	5.8	5.3	4.7	4.2	4.2	4.2	4.2	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°	26.8	27.3	27.3	27.3	27.3	27.3	26.8	26.3	25.7	25.2	24.7
87.5°	14.1	12.6	11.5	10.5	11.5	12.6	14.1	15.6	17.0	18.4	15.7
85°	26.1	23.0	21.0	18.9	21.0	23.0	26.1	29.0	31.8	34.4	31.9
82.5°	28.3	27.3	27.3	27.3	27.3	27.3	28.3	29.4	30.6	32.0	33.7
80°	34.5	33.5	34.6	35.6	34.6	33.5	34.5	35.3	36.2	37.2	40.7
77.5°	36.6	35.6	35.6	35.6	35.6	35.6	36.6	37.6	38.6	40.3	46.0
75°	35.7	35.6	34.6	33.6	34.6	35.6	35.7	35.8	36.1	37.7	44.5
72.5°	30.3	29.6	29.4	29.4	29.4	29.6	30.3	31.1	31.9	33.7	38.8
70°	28.3	29.3	28.4	27.3	28.4	29.3	28.3	27.5	27.0	27.9	31.5
67.5°	23.5	23.3	23.1	23.1	23.1	23.3	23.5	23.7	23.7	24.3	25.9
65°	19.9	19.2	18.9	18.9	18.9	19.2	19.9	20.6	21.3	22.1	22.9
62.5°	17.7	17.0	16.8	16.8	16.8	17.0	17.7	18.5	19.3	20.4	21.4
60°	20.1	19.1	18.0	16.8	18.0	19.1	20.1	20.9	21.6	21.9	22.2
57.5°	21.7	21.1	21.0	21.0	21.0	21.1	21.7	22.3	23.0	23.9	24.6
55°	23.7	23.2	23.1	23.1	23.1	23.2	23.7	24.1	24.5	25.4	26.2
52.5°	28.4	27.5	26.5	25.2	26.5	27.5	28.4	28.9	29.4	30.2	30.1
50°	44.8	42.6	41.6	41.9	41.6	42.6	44.8	45.7	45.9	45.7	43.0
47.5°	82.8	82.8	82.4	81.8	82.4	82.8	82.8	81.2	81.5	80.7	74.4
45°	140.9	135.2	129.8	127.9	129.8	135.2	140.9	141.6	144.1	142.5	133.9
42.5°	247.6	246.3	242.0	237.0	242.0	246.3	247.6	242.9	250.1	243.4	228.6
40°	430.3	424.5	414.4	417.3	414.4	424.5	430.3	425.5	443.9	420.4	422.3
37.5°	896.2	853.2	788.0	788.5	788.0	853.2	896.2	924.5	939.5	767.1	912.6
35°	2097.6	2132.8	2091.2	2090.7	2091.2	2132.8	2097.6	2110.5	2114.1	1973.0	2080.1
32.5°	4014.2	3955.9	3719.4	3596.3	3719.4	3955.9	4014.2	4140.5	4043.1	3947.7	3971.0
30°	7562.4	7599.9	7245.4	7253.3	7245.4	7599.9	7562.4	7570.9	7096.8	7143.8	6860.7
27.5°	12940.3	13228.2	13152.5	13026.2	13152.5	13228.2	12940.3	12676.0	12020.6	11747.9	11052.4
25°	19350.4	19567.3	19422.1	19333.8	19422.1	19567.3	19350.4	18830.8	18038.3	17258.5	16263.4
22.5°	26752.3	27054.2	26978.4	26595.5	26978.4	27054.2	26752.3	25882.4	24986.6	23521.2	22194.6
20°	34946.4	35463.5	35763.9	35570.5	35763.9	35463.5	34946.4	33769.9	32341.2	30449.8	28417.7
17.5°	42951.8	43618.7	44130.1	44302.1	44130.1	43618.7	42951.8	41424.4	39273.8	36862.4	34277.1
15°	49683.5	50637.1	51308.8	51547.1	51308.8	50637.1	49683.5	47890.3	45234.1	42398.0	39204.4
12.5°	54514.4	55755.7	56543.4	56780.0	56543.4	55755.7	54514.4	52414.2	49922.0	46590.2	43201.9
10°	57170.9	58735.6	59632.2	60006.2	59632.2	58735.6	57170.9	55302.9	52625.5	49409.2	45610.0
7.5°	58655.1	60068.3	60915.6	61041.0	60915.6	60068.3	58655.1	56465.7	54006.9	50694.6	46870.5
5°	59136.8	60420.7	61120.0	61184.6	61120.0	60420.7	59136.8	57023.2	54464.9	51198.0	47193.9
2.5°	59347.7	60432.8	60948.5	60816.6	60948.5	60432.8	59347.7	57313.6	54823.4	51671.9	47799.8
0°	59239.7	60209.6	60756.9	60838.6	60756.9	60209.6	59239.7	57556.9	55036.4	51966.5	48022.1
-2.5°	58360.0	59082.3	59470.4	59220.9	59470.4	59082.3	58360.0	56830.4	54386.8	51277.3	47541.2
-5°	56354.3	56874.0	57036.0	57127.1	57036.0	56874.0	56354.3	55106.1	52858.2	49749.4	46237.5
-7.5°	53455.4	53879.4	54039.4	53927.2	54039.4	53879.4	53455.4	52172.4	50031.4	47286.6	43791.0
-10°	49634.3	50022.9	50158.7	50081.3	50158.7	50022.9	49634.3	48496.4	46435.4	43858.1	40778.1
-12.5°	45766.5	46227.0	46332.6	46339.3	46332.6	46227.0	45766.5	44647.7	42780.6	40462.2	37621.4
-15°	41964.3	42490.8	42651.7	42792.3	42651.7	42490.8	41964.3	40888.5	39242.4	37082.8	34524.4
-17.5°	38228.1	38751.2	38886.9	38703.3	38886.9	38751.2	38228.1	37196.1	35741.9	33802.6	31467.9
-20°	35157.1	35428.2	35717.5	35715.2	35717.5	35428.2	35157.1	34342.8	32896.9	31131.1	29056.4



REPORT NUMBER: P731710 (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°	32620.6	33068.9	33315.2	33490.3	33315.2	33068.9	32620.6	31941.2	30565.9	28888.6	27010.9
-25°	30241.7	30622.4	30775.6	30892.2	30775.6	30622.4	30241.7	29522.1	28345.5	26826.5	25045.3
-27.5°	28409.2	28795.5	29013.9	29143.3	29013.9	28795.5	28409.2	27685.1	26658.4	25197.8	23594.9
-30°	26947.7	27327.3	27587.5	27751.0	27587.5	27327.3	26947.7	26143.6	25156.7	23832.4	22361.7
-32.5°	25372.9	25769.8	26041.2	26209.7	26041.2	25769.8	25372.9	24607.1	23640.9	22482.1	21119.6
-35°	23736.4	24133.4	24426.2	24563.6	24426.2	24133.4	23736.4	23077.7	22134.5	21076.5	19857.5
-37.5°	22146.5	22517.2	22776.0	22877.7	22776.0	22517.2	22146.5	21576.9	20677.7	19720.0	18600.3
-40°	20489.2	20838.9	21079.3	21172.8	21079.3	20838.9	20489.2	20026.6	19188.5	18282.8	17299.9
-42.5°	18818.1	19144.3	19366.3	19459.6	19366.3	19144.3	18818.1	18416.7	17673.8	16847.7	15971.8
-45°	17125.3	17415.5	17603.4	17675.1	17603.4	17415.5	17125.3	16765.4	16138.0	15368.2	14548.2
-47.5°	15459.0	15720.8	15882.3	15934.7	15882.3	15720.8	15459.0	15137.7	14619.4	13931.4	13207.1
-50°	13832.6	14047.0	14194.8	14278.1	14194.8	14047.0	13832.6	13562.9	13157.7	12572.6	11965.8
-52.5°	12328.2	12522.9	12638.9	12684.4	12638.9	12522.9	12328.2	12087.3	11766.0	11264.5	10732.9
-55°	10918.2	11086.7	11185.2	11224.9	11185.2	11086.7	10918.2	10712.9	10465.1	10034.0	9575.1
-57.5°	9616.1	9754.2	9847.2	9899.7	9847.2	9754.2	9616.1	9446.4	9246.6	8876.1	8462.9
-60°	8381.5	8494.7	8572.7	8618.4	8572.7	8494.7	8381.5	8238.7	8066.8	7759.1	7405.4
-62.5°	7189.8	7286.0	7349.1	7385.4	7349.1	7286.0	7189.8	7068.8	6923.1	6685.6	6394.2
-65°	6112.3	6196.6	6237.4	6253.1	6237.4	6196.6	6112.3	6008.7	5886.0	5699.9	5460.5
-67.5°	5159.1	5235.0	5262.5	5267.5	5262.5	5235.0	5159.1	5067.6	4960.9	4810.5	4611.8
-70°	4249.1	4311.0	4331.8	4334.4	4331.8	4311.0	4249.1	4174.8	4089.0	3974.4	3816.7
-72.5°	3379.5	3418.5	3448.6	3468.3	3448.6	3418.5	3379.5	3329.9	3269.7	3187.6	3066.1
-75°	2607.8	2641.2	2655.7	2661.0	2655.7	2641.2	2607.8	2566.3	2516.7	2454.5	2366.1
-77.5°	1899.2	1924.6	1930.4	1929.2	1930.4	1924.6	1899.2	1868.1	1831.7	1788.5	1729.4
-80°	1272.2	1284.1	1291.8	1295.9	1291.8	1284.1	1272.2	1256.3	1236.2	1211.0	1174.2
-82.5°	779.4	793.8	779.0	761.2	779.0	793.8	779.4	763.0	744.7	725.0	708.2
-85°	364.6	365.3	366.6	367.0	366.6	365.3	364.6	363.0	360.5	357.0	350.5
-87.5°	136.4	138.0	137.2	136.3	137.2	138.0	136.4	134.6	132.6	130.5	128.1
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	24.2	23.6	23.1	22.6	22.1	21.5	21.0	20.0	18.9	17.9	16.8
87.5°	13.1	10.5	8.0	8.9	9.8	10.7	11.5	10.9	10.3	9.8	9.3
85°	29.2	26.5	23.8	23.7	23.6	23.5	23.3	22.9	22.2	21.2	20.1
82.5°	35.0	35.9	36.6	39.5	41.7	43.2	43.9	43.7	42.8	41.3	38.8
80°	44.0	46.9	50.0	56.1	61.5	66.1	69.6	71.1	71.9	71.7	69.4
77.5°	51.5	56.5	62.1	71.0	79.4	87.1	93.6	97.3	99.2	100.1	97.2
75°	51.4	58.2	66.9	79.4	91.2	102.2	110.5	116.2	120.9	124.4	121.3
72.5°	44.6	51.0	61.5	77.2	93.8	107.8	119.2	128.8	137.2	144.4	139.5
70°	35.5	40.0	49.3	63.4	78.6	94.9	112.1	129.4	146.4	157.6	149.6
67.5°	28.0	30.7	38.3	49.5	62.6	77.3	94.8	114.7	133.9	151.9	148.3
65°	23.8	24.7	29.3	37.4	47.3	59.3	74.0	91.4	111.9	132.5	133.2
62.5°	22.4	23.1	25.9	30.2	35.9	43.4	54.6	69.9	87.5	101.6	106.6
60°	22.7	23.5	25.3	27.5	29.9	33.8	42.5	52.8	64.8	76.7	82.9
57.5°	25.1	25.5	26.4	27.6	29.0	32.5	37.0	41.8	51.7	58.6	63.8
55°	27.0	27.6	28.3	28.8	29.6	32.6	36.1	40.2	44.6	46.8	53.2
52.5°	29.2	30.9	31.7	31.3	32.3	34.6	36.1	39.7	43.3	45.9	47.5
50°	41.2	43.4	41.8	38.2	41.7	41.2	40.8	41.7	45.9	48.2	48.1
47.5°	73.9	74.5	67.5	62.9	66.7	61.7	57.9	54.5	61.1	55.0	54.2
45°	139.1	136.0	119.7	121.5	116.9	109.0	92.4	101.1	93.5	83.8	64.3
42.5°	243.8	238.8	222.0	231.5	215.0	194.2	184.9	194.4	162.8	132.2	139.4
40°	442.5	386.1	418.6	433.5	390.9	329.3	414.1	355.8	303.2	218.0	286.9
37.5°	923.7	752.9	906.0	910.4	788.8	725.7	817.5	736.9	514.6	544.2	553.8
35°	1982.3	1887.6	1853.3	1787.4	1560.1	1635.9	1466.1	1296.9	1113.8	1053.4	953.3
32.5°	3589.7	3690.3	3452.6	3160.8	3133.1	2977.4	2625.1	2114.5	2116.6	1908.2	1559.3
30°	6382.1	6247.0	5821.0	5337.0	5327.0	4929.5	4144.2	3802.9	3487.6	3014.6	2349.4
27.5°	10580.7	9645.7	8974.0	8596.9	8038.3	7383.7	6612.1	5814.0	5140.6	4419.7	3524.6
25°	15529.7	14366.1	13162.9	12364.7	11392.6	10359.2	9400.7	8281.4	7154.8	6024.0	4889.9
22.5°	20839.0	19425.6	17957.7	16473.1	15019.1	13693.2	12421.5	10937.1	9219.3	7631.8	6320.1
20°	26292.2	24361.7	22591.5	20531.9	18561.2	16947.3	15510.0	13465.7	11172.2	9242.7	7712.9
17.5°	31474.0	29013.0	26519.3	23961.5	21829.6	20081.2	17857.0	15466.7	12996.0	10757.8	9043.4
15°	36137.2	32751.9	29782.7	27088.3	24515.0	21980.8	19649.2	17285.4	14700.9	12280.4	10258.7
12.5°	39366.1	35818.1	32630.3	29231.7	26230.6	23578.5	21211.4	18841.3	16128.2	13288.9	10936.9
10°	41732.6	37887.5	34165.7	30700.0	27682.6	24993.9	22364.4	19670.5	16738.0	13893.3	11500.4
7.5°	42822.2	38981.1	35320.3	31757.1	28606.1	25793.1	23000.4	20196.2	17173.9	14312.0	11953.0
5°	43330.1	39650.5	36014.0	32301.3	29137.8	26357.3	23518.1	20595.5	17439.6	14564.0	12299.9
2.5°	43794.5	40011.3	36358.6	32532.6	29452.3	26740.1	23970.0	20998.6	17769.8	14826.6	12521.9
0°	44102.9	40380.9	36683.9	32683.0	29629.8	26977.2	24362.3	21357.4	18056.8	15009.9	12655.1
-2.5°	43572.4	39829.2	36192.6	32377.0	29256.2	26642.4	24078.5	21208.6	18001.1	15009.8	12660.5
-5°	42414.6	38721.3	35159.3	31517.1	28403.8	25808.4	23338.7	20657.5	17674.7	14846.3	12584.5
-7.5°	40247.4	36946.6	33713.7	30324.5	27260.0	24674.7	22256.9	19707.0	16956.8	14306.4	12136.1
-10°	37483.9	34451.1	31431.4	28430.4	25735.2	23355.6	21054.5	18669.0	16124.3	13659.7	11615.3
-12.5°	34736.0	31843.9	28967.8	26212.7	23861.9	21670.9	19626.9	17528.0	15193.4	12909.5	11030.0
-15°	31768.9	29160.0	26622.2	24167.4	21893.5	19892.5	18084.9	16211.2	14139.9	12096.9	10385.8
-17.5°	29189.3	26594.6	24267.4	22283.6	20216.3	18182.5	16563.8	14922.6	13156.0	11391.8	9833.9
-20°	26908.1	24708.2	22445.6	20550.5	18784.2	17015.8	15274.3	13715.1	12243.3	10751.6	9357.0



REPORT NUMBER: P731710 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25057.7	23066.6	21070.0	19143.5	17472.8	15963.7	14433.7	12883.7	11391.1	10095.6	8895.6
-25°	23412.8	21532.9	19781.5	18154.7	16458.4	14964.0	13669.3	12296.0	10872.4	9515.8	8469.6
-27.5°	22036.8	20324.5	18745.9	17274.6	15748.8	14282.3	13001.1	11730.6	10409.4	9190.7	8116.6
-30°	20855.8	19367.5	17907.0	16521.4	15125.6	13746.6	12419.3	11213.7	9988.0	8839.0	7822.7
-32.5°	19735.2	18354.6	17024.2	15760.8	14461.9	13168.6	11923.4	10691.0	9512.0	8482.4	7539.5
-35°	18561.4	17280.1	16090.2	14920.0	13753.5	12551.7	11359.6	10152.3	9053.0	8087.0	7211.8
-37.5°	17409.6	16222.8	15122.5	14037.7	12975.8	11879.1	10730.5	9630.2	8590.4	7669.9	6841.4
-40°	16233.7	15160.4	14130.0	13135.5	12144.3	11151.0	10104.4	9082.5	8129.7	7211.8	6434.0
-42.5°	15002.3	14043.4	13114.2	12196.7	11274.1	10369.9	9453.8	8531.0	7636.4	6782.4	6002.0
-45°	13729.7	12899.5	12065.2	11227.6	10382.4	9583.7	8797.5	7952.6	7121.8	6327.3	5556.4
-47.5°	12498.6	11772.9	11011.4	10260.8	9534.1	8809.0	8099.5	7349.4	6587.4	5843.4	5158.5
-50°	11342.2	10681.0	10011.2	9347.6	8707.4	8052.0	7395.1	6735.3	6034.0	5369.3	4744.2
-52.5°	10179.6	9619.4	9048.5	8472.7	7893.7	7293.1	6685.7	6097.9	5479.2	4896.6	4343.4
-55°	9091.1	8597.0	8095.6	7587.5	7081.8	6553.7	6011.9	5477.7	4957.2	4429.2	3953.6
-57.5°	8023.2	7586.5	7173.3	6748.0	6312.6	5850.2	5378.3	4901.1	4441.9	3990.5	3560.8
-60°	7042.2	6674.3	6311.4	5946.7	5582.8	5185.9	4760.9	4342.1	3931.7	3556.6	3191.7
-62.5°	6087.8	5768.7	5469.0	5167.8	4854.6	4516.8	4153.6	3813.2	3470.7	3133.8	2838.2
-65°	5207.7	4942.6	4679.1	4431.6	4182.2	3929.3	3621.6	3320.5	3032.1	2754.6	2496.0
-67.5°	4405.0	4191.5	3982.0	3774.9	3568.0	3357.4	3104.4	2848.7	2611.9	2387.1	2167.3
-70°	3651.6	3480.1	3308.8	3137.2	2968.7	2803.9	2612.6	2411.0	2214.2	2022.9	1831.4
-72.5°	2938.4	2805.5	2672.9	2543.8	2413.1	2284.7	2136.9	1971.8	1808.3	1647.2	1491.7
-75°	2272.7	2175.0	2076.3	1980.1	1880.3	1777.4	1670.2	1547.1	1423.3	1299.1	1176.0
-77.5°	1666.1	1599.1	1530.6	1466.5	1400.7	1333.6	1257.4	1159.3	1066.6	975.1	886.0
-80°	1134.9	1093.3	1050.8	1013.2	972.8	930.0	880.9	811.1	741.8	677.7	619.6
-82.5°	689.5	668.8	646.6	625.0	601.3	575.5	546.7	506.0	466.0	426.8	388.6
-85°	343.2	335.0	325.9	316.6	306.4	295.5	283.6	266.3	248.4	230.0	211.0
-87.5°	125.6	122.9	120.0	117.9	115.5	113.0	110.2	103.9	97.5	91.2	84.9
-90°	4.2	4.2	4.2	4.7	5.3	5.8	6.3	6.3	6.3	6.3	6.3



REPORT NUMBER: P731710 (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°	16.3	15.8	15.2	14.7	14.7	14.7	14.7	14.7	14.2	13.7	13.1
87.5°	10.9	12.4	13.7	14.7	13.9	13.1	12.4	11.6	12.1	12.4	12.6
85°	20.6	21.2	22.1	23.1	21.8	19.9	18.4	17.0	17.3	17.4	17.4
82.5°	35.1	33.3	32.2	31.6	31.4	30.4	28.7	26.1	23.6	22.5	22.1
80°	62.2	55.7	49.8	44.7	42.0	41.1	39.9	37.2	31.5	27.7	25.6
77.5°	87.3	78.1	69.9	61.6	54.3	49.3	46.9	45.6	39.1	32.6	28.3
75°	110.1	98.2	87.0	76.1	65.5	56.9	50.9	47.0	41.9	36.8	30.8
72.5°	125.4	112.6	101.1	89.2	75.4	63.9	54.8	48.3	43.1	37.8	32.6
70°	136.1	123.6	110.5	96.9	83.3	70.2	58.7	50.8	44.1	38.8	33.4
67.5°	142.6	128.5	115.7	103.3	89.3	75.4	62.1	53.5	46.6	39.7	34.2
65°	128.3	123.7	118.4	105.2	92.8	80.1	66.0	56.5	49.0	41.7	34.8
62.5°	109.7	109.8	106.6	103.4	93.6	81.5	69.9	60.2	51.3	43.7	36.2
60°	86.8	90.8	93.8	93.0	89.7	81.4	71.3	63.6	54.1	45.6	37.9
57.5°	70.1	72.8	78.8	82.4	81.4	77.5	72.1	65.3	56.7	47.6	39.5
55°	57.3	62.2	67.1	71.4	73.3	71.1	71.7	66.3	58.6	49.4	41.3
52.5°	50.8	55.6	60.6	63.5	65.7	66.7	69.9	67.4	59.7	50.9	43.4
50°	48.8	53.9	57.6	59.9	60.1	65.1	69.2	67.7	60.9	52.2	45.7
47.5°	56.2	60.5	59.2	59.0	58.8	65.2	70.1	68.9	62.0	53.2	48.1
45°	83.6	76.6	68.8	63.0	63.1	69.8	72.4	71.0	64.2	56.3	50.8
42.5°	132.5	119.1	91.1	68.9	80.8	77.4	76.2	74.6	67.1	59.8	53.8
40°	268.1	187.7	129.7	120.2	111.0	87.6	84.6	79.3	71.1	64.2	57.2
37.5°	457.2	331.2	210.1	214.5	165.4	124.6	95.0	85.1	78.0	70.0	60.9
35°	785.0	552.7	437.9	389.8	280.1	170.3	106.9	93.4	86.3	76.0	64.8
32.5°	1190.4	971.1	857.3	656.6	423.5	224.3	139.9	108.9	95.7	82.2	69.0
30°	1875.5	1694.1	1374.2	984.1	625.9	357.4	197.7	126.6	106.0	88.7	73.5
27.5°	2908.7	2546.7	2003.5	1457.0	938.2	519.2	283.1	146.5	117.2	96.2	78.8
25°	4033.8	3513.1	2823.1	2019.5	1290.0	776.1	387.6	170.6	132.1	105.1	84.1
22.5°	5276.7	4511.8	3727.6	2634.4	1680.4	1074.5	553.9	250.4	149.5	114.4	89.5
20°	6467.6	5528.4	4632.1	3117.0	2097.2	1421.7	785.6	339.7	167.7	124.0	94.7
17.5°	7624.2	6363.1	5121.1	3642.7	2505.9	1749.6	1036.0	436.5	186.5	133.7	100.0
15°	8412.8	6920.7	5578.7	4112.2	2871.1	2058.0	1299.3	538.3	205.6	143.4	107.9
12.5°	9017.2	7425.9	6015.7	4525.7	3194.6	2346.6	1569.4	642.5	224.6	158.4	119.3
10°	9536.2	7877.6	6425.6	4884.0	3479.0	2615.6	1839.4	740.8	254.1	177.8	130.8
7.5°	9971.8	8274.9	6801.5	5188.3	3711.5	2793.0	2004.9	820.7	284.5	197.0	142.1
5°	10311.8	8569.1	7098.8	5395.6	3832.3	2872.9	2130.1	890.5	314.1	216.0	153.1
2.5°	10514.2	8729.1	7323.4	5549.8	3928.8	2931.7	2227.5	949.2	342.5	234.3	163.8
0°	10646.2	8832.3	7492.4	5655.5	3998.9	2971.4	2296.2	996.0	369.1	251.6	174.0
-2.5°	10696.4	8847.7	7516.8	5790.3	4141.4	3094.2	2363.0	1126.0	493.7	337.0	228.8
-5°	10668.7	8816.0	7491.8	5875.2	4253.8	3196.5	2404.9	1243.3	614.3	419.9	282.1
-7.5°	10335.2	8630.0	7362.4	5888.0	4335.0	3274.8	2426.7	1347.8	729.2	499.1	333.3
-10°	9890.0	8331.1	7093.6	5710.8	4326.4	3321.9	2438.2	1439.6	836.6	573.2	381.5
-12.5°	9396.1	7993.1	6801.8	5517.3	4287.2	3347.4	2470.3	1525.2	934.9	641.2	425.9
-15°	8861.6	7618.7	6495.0	5317.6	4232.7	3360.3	2487.6	1598.5	1023.7	705.6	465.9
-17.5°	8335.8	7210.6	6180.7	5121.0	4166.3	3362.7	2492.5	1655.2	1102.2	767.8	508.7
-20°	8050.0	6914.1	5871.8	4935.8	4091.1	3356.4	2487.0	1694.7	1169.4	822.6	552.4



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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°	7764.8	6719.8	5723.5	4804.5	4027.7	3343.3	2473.3	1716.5	1224.6	869.5	590.4
-25°	7464.8	6515.6	5579.9	4711.5	3985.3	3295.3	2466.4	1720.2	1267.0	907.9	622.4
-27.5°	7199.5	6309.2	5413.8	4582.6	3902.1	3244.5	2455.5	1761.0	1300.3	937.4	647.8
-30°	6950.8	6100.6	5238.0	4431.6	3788.9	3121.9	2423.1	1786.7	1330.1	962.6	666.5
-32.5°	6694.1	5872.1	5026.4	4284.1	3638.4	2982.7	2331.9	1794.6	1347.7	981.6	682.4
-35°	6394.8	5594.9	4779.3	4101.1	3469.7	2839.2	2229.9	1784.1	1353.1	990.9	692.5
-37.5°	6054.9	5270.6	4545.9	3895.0	3289.1	2684.9	2155.7	1731.3	1345.9	990.6	695.2
-40°	5679.1	4946.3	4278.2	3685.7	3105.8	2520.5	2067.3	1675.7	1333.4	980.4	690.4
-42.5°	5283.8	4629.8	4022.6	3463.8	2915.8	2406.1	1968.4	1609.6	1288.0	964.9	678.1
-45°	4914.3	4307.8	3757.6	3238.5	2725.7	2277.6	1883.0	1534.9	1230.8	941.7	661.2
-47.5°	4533.1	3996.7	3489.4	3000.4	2564.6	2143.2	1785.8	1460.7	1165.7	908.1	641.8
-50°	4173.5	3683.8	3219.5	2786.1	2380.9	2021.5	1680.8	1377.1	1100.6	851.9	615.9
-52.5°	3835.2	3381.6	2964.3	2570.8	2218.0	1887.2	1575.2	1285.3	1028.0	797.2	583.8
-55°	3499.2	3093.7	2715.0	2371.8	2051.9	1750.8	1459.4	1193.1	948.4	739.9	546.4
-57.5°	3175.9	2808.3	2486.5	2177.9	1881.7	1604.0	1340.5	1092.8	871.0	677.2	510.3
-60°	2850.8	2553.0	2263.0	1976.3	1703.9	1452.3	1216.3	988.8	789.8	611.5	464.9
-62.5°	2556.2	2289.3	2026.8	1764.4	1522.9	1297.9	1086.0	885.9	702.6	550.2	414.4
-65°	2254.4	2015.0	1779.3	1554.6	1339.7	1139.4	956.9	776.2	621.7	485.1	364.7
-67.5°	1948.9	1739.9	1539.8	1340.3	1157.9	985.6	820.8	674.0	539.7	416.5	321.8
-70°	1643.9	1463.3	1299.4	1138.3	979.1	829.0	698.2	572.7	453.8	360.7	276.7
-72.5°	1345.4	1204.5	1069.5	934.2	807.0	687.0	574.7	471.9	383.8	303.0	229.8
-75°	1057.1	951.3	849.7	746.4	640.4	542.1	462.4	386.6	311.7	243.2	189.0
-77.5°	800.7	717.0	635.4	563.5	490.5	422.1	358.7	298.7	241.2	192.7	149.7
-80°	564.0	509.7	456.9	404.7	350.2	299.8	259.6	220.6	179.2	142.1	109.3
-82.5°	350.8	319.9	291.1	262.0	230.6	200.6	172.0	144.7	116.0	90.4	75.1
-85°	192.5	173.9	155.4	136.8	118.2	100.5	92.0	83.6	73.4	63.7	54.6
-87.5°	80.3	75.7	71.0	66.4	62.0	57.7	53.4	49.2	43.8	38.7	33.9
-90°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.8	7.4	7.9



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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	12.1	11.6	11.3	11.2	9.8	8.4
85°	17.1	15.3	13.8	12.7	12.0	10.1	8.4
82.5°	21.4	18.4	16.0	14.1	12.7	10.4	8.4
80°	25.2	21.5	18.1	15.4	13.4	10.7	8.4
77.5°	26.1	23.6	20.2	16.7	14.1	11.0	8.4
75°	27.0	24.0	21.9	18.0	14.7	11.3	8.4
72.5°	27.8	24.4	21.9	19.2	15.4	11.6	8.4
70°	28.5	24.7	21.9	20.2	16.0	11.9	8.4
67.5°	29.3	24.9	21.9	20.0	16.6	12.2	8.4
65°	30.1	25.4	21.8	19.8	17.2	12.4	8.4
62.5°	31.0	26.2	21.6	19.5	17.8	12.7	8.4
60°	31.8	27.1	21.4	19.3	18.3	12.9	8.4
57.5°	33.4	27.9	22.1	19.0	18.2	13.1	8.4
55°	35.1	28.7	22.9	18.6	18.0	13.4	8.4
52.5°	36.7	29.6	23.6	18.3	17.9	13.6	8.4
50°	38.2	31.0	24.3	17.9	17.7	13.8	8.4
47.5°	39.9	32.2	25.0	17.7	17.6	14.0	8.4
45°	42.2	33.5	25.6	18.2	17.6	14.1	8.4
42.5°	44.7	34.7	26.3	18.7	17.5	14.3	8.4
40°	47.2	35.8	27.0	19.4	17.5	14.4	8.4
37.5°	49.8	36.8	27.8	20.4	17.5	14.5	8.4
35°	52.6	38.6	28.6	21.4	17.5	14.7	8.4
32.5°	55.4	40.6	29.3	22.5	17.5	14.8	8.4
30°	58.7	42.6	30.0	23.5	17.6	14.8	8.4
27.5°	62.0	44.7	32.1	24.6	17.6	14.9	8.4
25°	65.4	46.6	34.6	25.8	17.7	15.0	8.4
22.5°	68.7	49.5	37.1	26.9	17.8	15.0	8.4
20°	72.1	54.9	39.8	28.0	17.9	15.0	8.4
17.5°	78.3	60.3	42.5	29.1	18.1	15.0	8.4
15°	86.1	65.8	45.2	30.2	18.2	15.0	8.4
12.5°	93.9	71.3	48.0	31.2	18.3	15.0	8.4
10°	101.6	76.7	50.7	32.2	18.4	15.0	8.4
7.5°	109.1	81.9	53.4	33.2	18.6	14.9	8.4
5°	116.4	87.0	56.0	34.1	18.7	14.9	8.4
2.5°	123.4	91.9	58.5	34.9	18.8	14.8	8.4
0°	130.0	96.5	60.8	35.6	18.9	14.7	8.4
-2.5°	162.6	115.3	70.7	40.0	20.4	15.0	8.4
-5°	194.4	133.6	80.2	44.2	21.8	15.2	8.4
-7.5°	225.0	151.1	89.4	48.2	23.2	15.5	8.4
-10°	254.0	167.5	98.0	52.0	24.5	15.7	8.4
-12.5°	280.9	182.8	105.9	55.6	25.8	15.9	8.4
-15°	305.5	196.6	113.2	58.8	26.9	16.1	8.4
-17.5°	327.4	208.7	119.6	61.6	28.0	16.2	8.4
-20°	351.2	219.1	125.1	64.1	29.0	16.4	8.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	379.8	227.5	129.5	66.1	29.9	16.5	8.4
-25°	404.1	240.3	132.9	67.6	30.6	16.6	8.4
-27.5°	423.8	253.2	135.2	68.7	31.3	16.6	8.4
-30°	438.8	263.3	136.8	69.2	31.7	16.7	8.4
-32.5°	448.8	270.4	141.9	69.2	32.1	16.7	8.4
-35°	456.0	274.3	145.3	68.7	32.3	16.6	8.4
-37.5°	459.4	276.2	146.8	67.6	32.3	16.6	8.4
-40°	458.0	277.2	146.5	65.9	32.2	16.5	8.4
-42.5°	451.9	275.2	145.7	64.4	31.9	16.4	8.4
-45°	440.9	270.2	144.8	63.6	31.5	16.2	8.4
-47.5°	425.2	262.1	142.3	61.9	30.9	16.0	8.4
-50°	409.7	251.1	138.3	61.4	30.1	15.8	8.4
-52.5°	390.7	237.2	132.7	60.8	29.2	15.6	8.4
-55°	367.5	225.4	125.7	59.5	28.1	15.3	8.4
-57.5°	340.4	212.3	117.2	57.5	26.9	15.0	8.4
-60°	310.6	197.1	107.5	54.9	25.6	14.7	8.4
-62.5°	285.7	179.7	100.8	51.6	24.7	14.4	8.4
-65°	258.0	160.5	93.0	47.8	23.7	14.0	8.4
-67.5°	227.7	142.6	84.3	43.5	22.6	13.6	8.4
-70°	195.1	126.4	74.6	38.7	21.4	13.2	8.4
-72.5°	167.8	109.0	64.1	35.4	20.2	12.8	8.4
-75°	140.0	90.4	53.0	32.4	18.9	12.4	8.4
-77.5°	110.7	70.8	45.8	29.1	17.6	11.9	8.4
-80°	80.3	56.9	39.3	25.7	16.2	11.4	8.4
-82.5°	62.5	46.0	32.6	22.2	14.8	10.9	8.4
-85°	46.1	34.9	25.7	18.5	13.4	10.5	8.4
-87.5°	29.4	23.5	18.6	14.8	12.0	10.0	8.4
-90°	8.4	8.9	9.5	10.0	10.5	9.5	8.4

(END OF 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

