

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: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-7F-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731712 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-7F-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

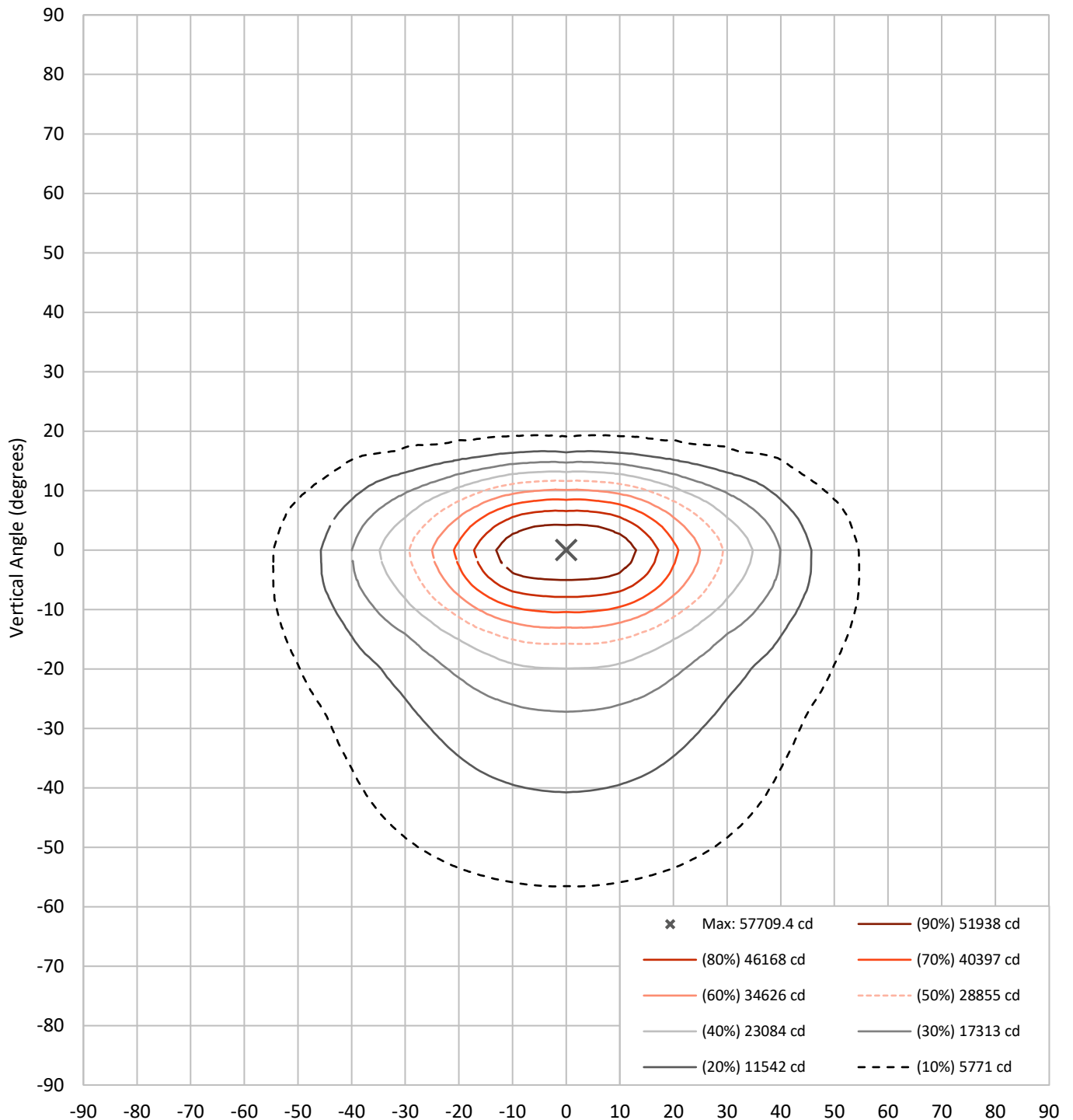
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	38830.6 lumens	Max Intensity:	57709.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	55.7 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:	15432.8 lumens	Field Lumens:	34171.7 lumens
Beam Efficiency:	39.7%	Field Efficiency:	88.0%

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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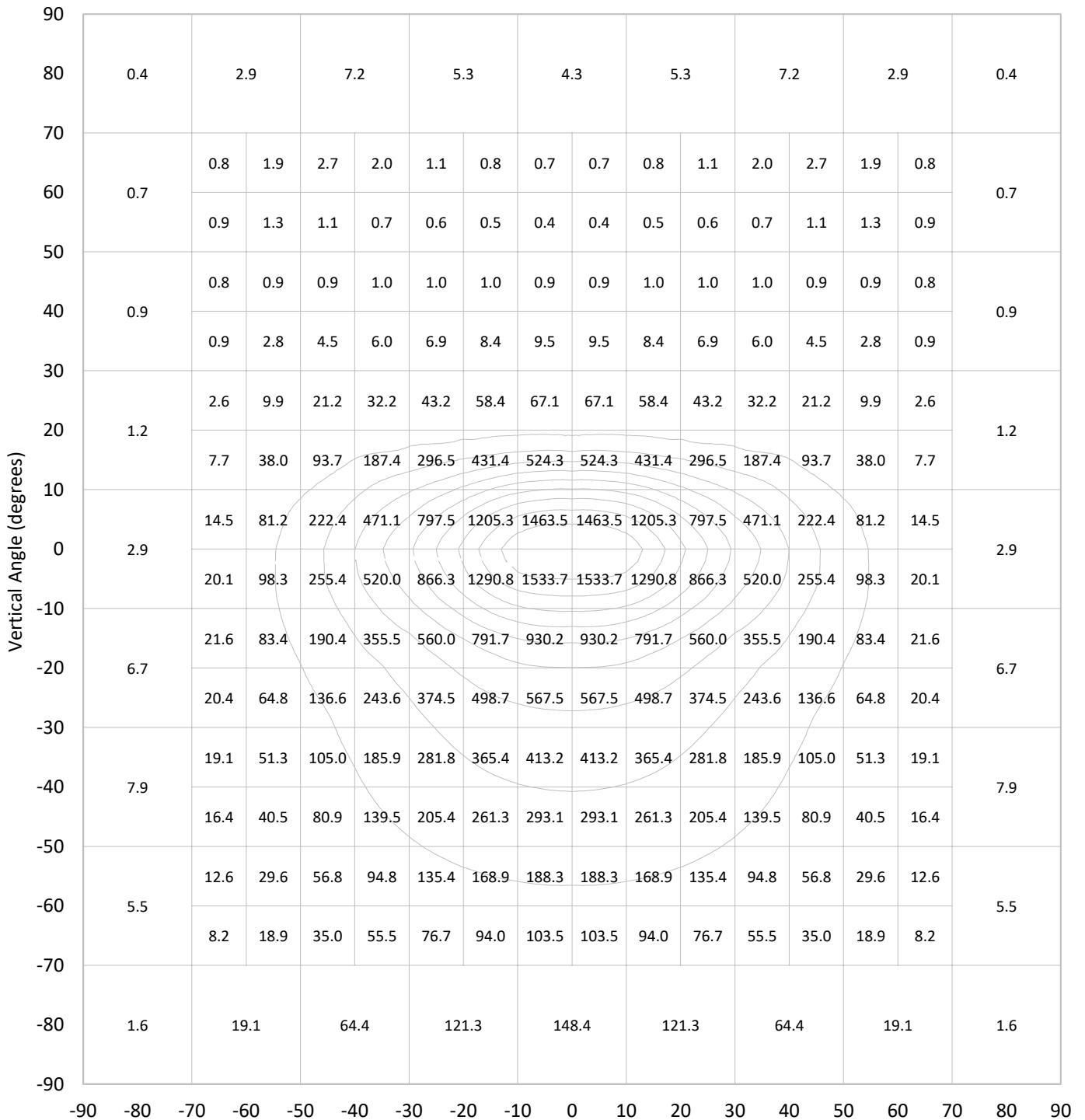
Iso-Candela Plot





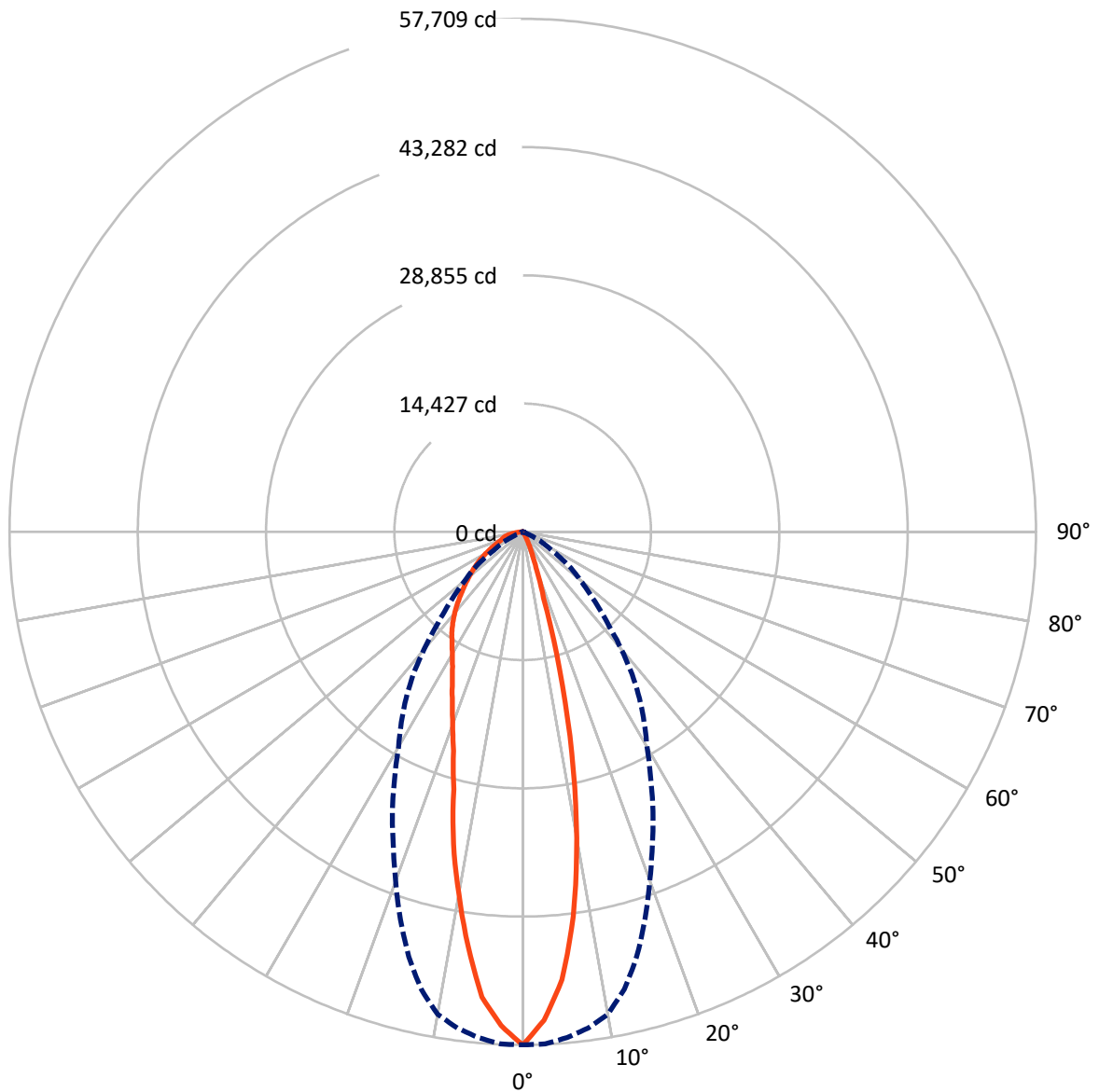
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Lumen Table



REPORT NUMBER: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
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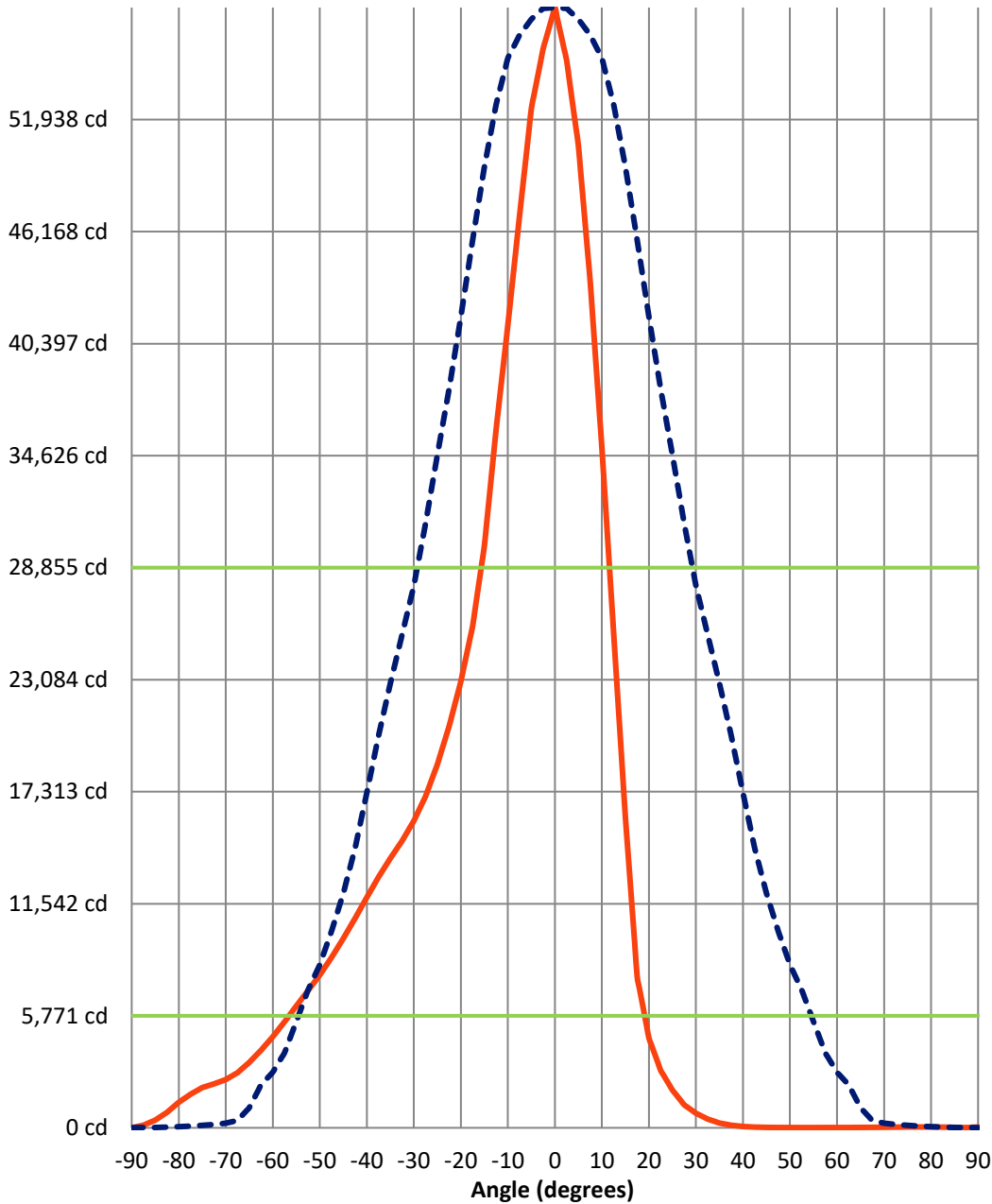
Luminous Intensity Polar Plot



— 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: 15432.8
 Efficiency: 39.7%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 34171.7
 Efficiency: 88.0%

Spill:
 Lumens: 4658.9
 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	33.7	40.0
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	41.1	47.1	53.3
72.5°	8.4	10.9	14.6	19.1	22.3	25.8	30.8	37.0	43.1	49.5	56.1
70°	8.4	11.2	15.4	20.2	22.6	26.7	32.3	38.5	44.9	51.7	58.2
67.5°	8.4	11.6	16.2	20.1	22.8	27.4	33.6	39.8	46.6	53.3	60.1
65°	8.4	11.9	16.9	20.0	23.0	28.3	34.8	41.1	48.0	54.9	62.4
62.5°	8.4	12.2	17.7	19.8	23.0	29.4	36.0	42.2	49.3	56.6	66.0
60°	8.4	12.5	18.3	19.6	23.0	30.5	37.2	43.2	50.4	59.3	69.3
57.5°	8.4	12.7	18.2	19.3	23.9	31.6	38.6	44.3	52.2	61.7	70.5
55°	8.4	13.0	18.0	19.0	24.8	32.7	40.0	45.7	53.9	63.4	70.7
52.5°	8.4	13.2	17.9	18.6	25.7	33.8	41.6	47.6	55.3	63.5	70.8
50°	8.4	13.5	17.7	18.2	26.6	35.2	43.1	49.6	56.2	63.4	67.3
47.5°	8.4	13.7	17.6	18.0	27.4	36.7	44.8	51.6	56.0	63.3	63.9
45°	8.4	13.9	17.6	18.6	28.2	38.1	46.5	53.7	57.3	60.8	60.9
42.5°	8.4	14.1	17.5	19.1	29.0	39.6	48.3	55.3	58.9	58.6	58.1
40°	8.4	14.3	17.5	20.0	29.9	41.0	50.0	56.8	60.3	57.2	55.6
37.5°	8.4	14.4	17.5	21.1	31.0	42.5	51.7	58.5	61.4	58.7	53.6
35°	8.4	14.5	17.5	22.2	32.1	43.8	53.4	60.3	63.1	61.2	53.9
32.5°	8.4	14.7	17.5	23.4	33.1	45.1	54.9	62.1	65.2	65.2	64.5
30°	8.4	14.8	17.6	24.5	34.0	46.3	56.4	64.1	67.8	70.5	77.7
27.5°	8.4	14.8	17.6	25.6	36.1	47.5	57.9	66.1	71.3	77.1	93.4
25°	8.4	14.9	17.7	26.7	38.4	48.6	59.4	68.3	76.4	88.2	113.1
22.5°	8.4	15.0	17.8	27.8	40.6	50.5	60.8	70.7	82.1	102.3	177.3
20°	8.4	15.0	17.9	28.9	42.9	54.4	62.3	73.3	88.5	117.5	250.7
17.5°	8.4	15.0	18.1	29.9	45.1	58.6	67.7	76.1	95.2	133.6	331.2
15°	8.4	15.0	18.2	30.9	47.4	62.9	75.9	83.7	102.4	150.2	416.9
12.5°	8.4	15.0	18.3	31.8	49.5	67.2	84.4	98.0	118.8	167.2	505.3
10°	8.4	15.0	18.4	32.7	51.6	71.6	93.1	112.6	142.8	207.0	604.2
7.5°	8.4	14.9	18.6	33.6	53.5	75.9	102.0	127.6	167.2	250.9	722.0
5°	8.4	14.9	18.7	34.3	55.4	80.2	110.9	142.6	191.6	294.9	835.1
2.5°	8.4	14.8	18.8	35.0	57.1	84.2	119.5	157.5	215.7	338.1	940.7
0°	8.4	14.7	18.9	35.6	58.7	88.1	127.9	172.0	239.1	379.6	1035.9
-2.5°	8.4	15.0	20.4	40.0	68.6	107.2	161.3	227.1	322.7	494.9	1152.5
-5°	8.4	15.3	21.8	44.2	78.2	125.8	193.8	280.8	404.1	606.2	1255.9
-7.5°	8.4	15.6	23.2	48.2	87.4	143.6	225.0	332.4	482.1	712.2	1346.4
-10°	8.4	15.9	24.5	52.0	96.0	160.5	254.4	381.0	555.6	811.5	1424.2
-12.5°	8.4	16.1	25.8	55.6	104.1	176.1	281.7	426.0	623.5	899.0	1455.8
-15°	8.4	16.3	27.0	58.8	111.4	190.4	306.4	466.7	679.0	952.2	1462.7
-17.5°	8.4	16.5	28.1	61.6	117.9	203.0	328.2	502.1	721.3	998.6	1462.8
-20°	8.4	16.7	29.1	64.1	123.5	213.9	348.7	532.7	758.6	1037.8	1457.5



REPORT NUMBER: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

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	66.1	128.1	222.8	369.3	559.0	790.6	1069.4	1447.9
-25°	8.4	17.0	30.8	67.6	131.7	234.1	386.9	580.6	817.0	1093.3	1435.1
-27.5°	8.4	17.1	31.5	68.7	134.1	245.2	401.3	597.4	837.5	1112.9	1454.8
-30°	8.4	17.1	32.0	69.2	135.8	253.8	412.2	609.1	853.9	1132.5	1466.4
-32.5°	8.4	17.1	32.4	69.2	140.1	259.8	419.7	619.4	864.8	1144.5	1468.0
-35°	8.4	17.1	32.7	68.7	142.9	263.3	425.5	626.2	868.8	1148.9	1459.4
-37.5°	8.4	17.1	32.8	67.6	144.0	264.9	428.4	628.2	865.8	1145.5	1411.7
-40°	8.4	17.0	32.8	65.9	143.5	265.4	427.3	625.1	855.6	1134.9	1361.8
-42.5°	8.4	16.9	32.7	64.3	142.4	263.2	422.3	617.2	844.2	1088.9	1304.9
-45°	8.4	16.7	32.3	63.2	141.1	258.3	413.3	605.2	829.1	1033.9	1241.5
-47.5°	8.4	16.6	31.9	61.3	138.3	250.7	400.4	589.3	807.0	974.2	1174.1
-50°	8.4	16.4	31.3	60.6	134.0	240.4	386.3	568.1	759.2	919.1	1101.2
-52.5°	8.4	16.1	30.5	60.0	128.2	227.5	368.8	541.8	708.6	858.9	1024.0
-55°	8.4	15.8	29.6	58.8	121.1	215.9	347.6	510.9	655.2	794.0	949.3
-57.5°	8.4	15.5	28.6	57.0	112.5	202.9	322.8	478.1	598.8	727.9	869.1
-60°	8.4	15.2	27.4	54.5	102.9	187.9	295.4	434.5	540.8	659.3	786.1
-62.5°	8.4	14.8	26.4	51.5	96.6	170.9	271.2	386.6	485.9	587.4	703.8
-65°	8.4	14.4	25.3	47.9	89.4	152.1	244.3	340.1	429.5	521.5	618.0
-67.5°	8.4	14.0	24.1	43.9	81.2	134.9	215.0	299.5	371.6	456.3	540.7
-70°	8.4	13.6	22.8	39.4	72.2	119.8	183.4	258.2	325.0	389.6	466.5
-72.5°	8.4	13.1	21.4	36.1	62.4	103.5	157.8	216.1	278.0	337.6	394.8
-75°	8.4	12.6	20.0	32.9	52.0	86.2	131.7	178.6	230.3	285.2	338.0
-77.5°	8.4	12.1	18.5	29.5	45.0	67.9	104.4	141.8	183.6	230.9	280.6
-80°	8.4	11.6	17.0	26.0	38.6	54.7	75.9	103.9	135.8	172.2	212.7
-82.5°	8.4	11.1	15.4	22.4	32.1	44.4	59.3	71.8	87.0	112.1	140.4
-85°	8.4	10.5	13.8	18.6	25.3	33.7	43.9	52.4	61.5	71.4	81.8
-87.5°	8.4	10.0	12.1	14.9	18.5	23.0	28.3	32.8	37.7	42.8	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: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

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	28.6	30.1	31.3
82.5°	30.8	33.5	35.5	36.7	38.6	41.1	44.4	49.4	52.1	53.9	54.9
80°	43.9	46.2	48.1	51.6	57.8	65.0	72.9	81.4	84.2	84.5	83.6
77.5°	52.6	56.1	61.8	69.7	79.0	88.2	98.0	108.5	111.5	110.8	109.3
75°	58.3	65.2	73.8	84.5	95.9	107.6	119.8	131.2	134.4	131.0	126.6
72.5°	62.8	71.7	83.3	97.3	110.1	122.0	134.8	148.3	153.0	145.6	136.5
70°	65.9	77.3	91.2	105.9	120.5	133.4	145.4	158.4	165.8	153.3	135.2
67.5°	68.5	82.6	97.7	112.9	126.1	138.4	152.0	156.2	158.0	139.1	119.7
65°	72.4	87.4	101.2	114.6	128.8	132.9	135.8	138.7	135.7	114.2	93.1
62.5°	76.2	88.6	101.8	112.2	115.5	117.6	115.2	109.7	102.2	87.3	70.0
60°	77.3	88.3	96.8	100.0	100.9	96.6	90.0	83.3	75.4	63.1	51.2
57.5°	77.7	83.3	86.5	87.2	83.2	76.2	69.7	61.0	54.4	46.7	37.1
55°	75.9	74.7	76.2	73.6	67.8	60.5	52.8	46.9	39.1	34.5	28.9
52.5°	70.6	67.6	66.2	62.0	55.5	48.7	42.4	36.8	32.3	27.3	23.7
50°	66.0	62.0	57.6	52.5	47.5	42.9	35.9	31.9	28.1	24.2	21.1
47.5°	61.7	56.9	50.4	46.1	45.5	42.8	36.0	29.8	26.4	26.3	23.3
45°	57.8	53.9	46.3	47.1	48.5	48.4	43.5	29.2	32.4	33.0	31.4
42.5°	54.5	52.9	55.0	50.1	58.0	62.3	58.6	48.8	43.3	48.2	50.1
40°	55.0	54.2	72.5	72.0	73.1	84.5	90.0	83.0	63.9	75.7	81.1
37.5°	57.1	76.1	98.9	106.3	99.7	119.2	130.9	138.9	123.9	114.2	131.0
35°	60.7	103.6	137.5	153.4	154.3	165.5	195.9	208.4	198.5	183.2	196.7
32.5°	79.3	136.5	183.3	210.2	235.1	246.6	273.7	286.6	297.5	297.5	291.8
30°	118.7	179.8	236.3	273.1	332.9	387.3	375.4	378.2	418.4	459.2	479.0
27.5°	185.9	233.6	295.4	362.0	453.3	559.0	577.9	524.3	578.8	654.3	721.2
25°	270.5	395.9	358.4	467.9	619.9	766.5	844.4	881.6	807.0	916.8	1075.2
22.5°	387.4	601.8	603.7	583.3	807.2	1012.1	1204.2	1388.1	1483.3	1363.9	1528.7
20°	545.0	821.9	910.6	1009.1	1087.3	1291.4	1622.9	2024.4	2392.0	2600.1	2504.7
17.5°	726.0	1062.3	1265.9	1529.4	1789.7	1901.1	2112.3	2769.7	3483.5	4091.1	4417.8
15°	925.3	1319.1	1650.1	2103.2	2571.4	2924.3	3290.1	3855.0	4797.2	5836.6	6668.9
12.5°	1137.3	1588.0	2056.0	2718.3	3413.9	3994.2	4646.4	5505.4	6592.3	7889.0	9244.5
10°	1355.6	1864.3	2475.8	3360.9	4299.2	5095.9	6029.2	7156.0	8543.9	10159.5	11863.2
7.5°	1586.9	2134.6	2889.5	4016.0	5207.7	6213.2	7420.0	8791.2	10475.3	12395.8	14449.7
5°	1811.0	2389.7	3234.4	4542.8	5945.1	7156.2	8687.1	10388.7	12363.5	14572.4	16993.0
2.5°	2020.0	2633.9	3561.1	5024.9	6543.5	7800.9	9440.0	11269.5	13497.2	16101.6	18901.1
0°	2208.1	2864.5	3864.8	5469.0	7096.2	8400.6	10130.6	12076.6	14398.0	17256.2	20198.3
-2.5°	2289.7	2984.8	4001.6	5535.2	7082.5	8411.5	10076.1	12061.3	14300.0	17025.1	19910.9
-5°	2347.3	3086.4	4109.5	5559.1	7023.0	8372.3	9959.9	11954.7	13988.6	16412.6	18998.0
-7.5°	2383.8	3167.1	4187.4	5518.3	6829.1	8064.8	9445.9	11145.0	12999.5	15157.2	17433.4
-10°	2391.5	3158.5	4070.5	5252.7	6452.3	7585.3	8816.1	10291.6	11949.8	13836.8	15815.8
-12.5°	2317.1	3071.1	3905.8	4968.1	6062.3	7087.2	8164.9	9418.5	10855.7	12477.8	14229.7
-15°	2236.5	2972.1	3728.7	4671.4	5668.5	6579.1	7503.7	8543.4	9818.5	11296.3	12807.2
-17.5°	2153.7	2863.2	3542.9	4369.3	5279.7	6068.7	6878.0	7865.5	9008.0	10253.4	11483.1
-20°	2072.4	2746.2	3351.8	4067.7	4901.9	5646.9	6436.2	7303.8	8263.0	9277.9	10255.6



REPORT NUMBER: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1996.0	2622.5	3175.1	3814.8	4577.3	5291.7	5996.6	6742.1	7536.4	8358.1	9389.7
-25°	1944.8	2503.7	3020.9	3614.0	4272.5	4931.8	5553.7	6194.5	6878.2	7787.1	8742.7
-27.5°	1913.0	2402.6	2885.5	3412.5	3980.8	4576.9	5139.6	5704.9	6467.1	7284.9	8130.6
-30°	1881.8	2302.0	2744.4	3222.0	3739.4	4256.4	4740.9	5379.5	6090.3	6838.5	7590.6
-32.5°	1822.4	2196.4	2615.9	3057.8	3515.0	3962.7	4468.6	5096.6	5748.5	6406.3	7085.2
-35°	1748.6	2103.2	2489.7	2891.0	3300.8	3743.7	4256.6	4809.4	5408.3	6020.3	6690.2
-37.5°	1684.3	2001.8	2358.9	2733.1	3117.2	3553.2	4024.7	4541.4	5087.1	5659.4	6299.1
-40°	1612.9	1892.6	2235.1	2586.0	2946.6	3354.1	3798.3	4267.7	4770.1	5317.3	5891.3
-42.5°	1536.3	1805.8	2107.7	2435.0	2777.9	3150.6	3553.9	3995.4	4464.1	4962.3	5488.1
-45°	1465.2	1712.3	1978.0	2283.7	2600.9	2939.9	3313.9	3710.1	4154.3	4613.0	5086.7
-47.5°	1386.2	1614.8	1866.5	2122.2	2419.3	2731.8	3063.3	3438.2	3830.7	4256.6	4693.9
-50°	1301.0	1518.0	1739.6	1973.6	2233.4	2519.0	2821.9	3159.2	3522.5	3894.5	4287.9
-52.5°	1213.4	1412.8	1613.3	1821.7	2053.6	2307.4	2582.7	2881.3	3208.2	3549.4	3888.8
-55°	1119.9	1304.1	1482.5	1672.0	1874.1	2100.2	2343.5	2609.6	2883.8	3194.5	3493.6
-57.5°	1025.6	1187.7	1349.9	1522.0	1702.1	1891.4	2113.0	2338.4	2585.7	2841.2	3090.2
-60°	927.9	1069.4	1213.7	1369.1	1531.8	1703.3	1883.7	2085.0	2294.3	2501.0	2720.5
-62.5°	826.6	951.4	1078.4	1211.6	1357.8	1512.2	1673.4	1841.2	2013.9	2193.7	2371.0
-65°	728.8	834.6	945.5	1062.0	1179.2	1320.7	1463.4	1604.6	1755.5	1901.2	2043.3
-67.5°	629.3	729.6	822.8	913.8	1021.9	1143.3	1255.4	1383.3	1509.7	1629.4	1745.2
-70°	546.8	627.1	712.7	795.0	880.1	983.5	1093.4	1195.2	1290.9	1391.3	1499.7
-72.5°	467.5	544.9	616.5	682.3	768.5	865.2	955.5	1039.4	1130.7	1226.0	1313.8
-75°	394.8	462.3	532.2	596.9	668.7	753.1	844.0	929.5	1007.1	1084.3	1164.2
-77.5°	324.8	375.6	434.3	500.7	571.9	637.6	709.4	786.8	859.4	933.0	1011.0
-80°	249.4	285.6	325.5	371.5	424.4	482.3	544.6	610.7	668.7	722.0	774.6
-82.5°	167.8	195.4	223.3	251.5	281.1	312.3	346.7	388.9	426.4	464.1	502.5
-85°	92.9	104.6	123.6	143.0	159.4	176.8	195.1	214.3	232.1	249.6	266.7
-87.5°	54.2	60.3	66.6	73.3	77.7	81.9	85.9	89.8	94.8	99.8	104.5
-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	34.6	35.1	35.6	37.2	38.8	40.3	41.9	41.4	40.9
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°	32.2	32.4	32.4	32.3	32.1	34.3	36.4	38.5	40.6	37.5	34.2
82.5°	55.3	54.3	52.4	49.8	46.5	45.8	44.9	43.6	42.0	40.2	38.6
80°	82.2	78.2	73.1	67.2	60.5	57.1	53.7	50.0	45.9	44.7	43.7
77.5°	105.9	98.8	90.1	80.6	70.6	64.6	59.4	54.1	48.6	47.4	47.0
75°	121.0	111.8	99.1	86.0	72.5	64.0	57.8	51.8	46.0	44.2	43.4
72.5°	125.6	112.7	98.0	81.6	65.7	55.7	50.0	44.9	40.3	38.4	37.4
70°	117.6	100.4	84.0	68.3	53.7	44.4	40.4	37.0	34.0	32.7	32.2
67.5°	99.3	81.3	66.0	52.8	42.2	35.5	33.2	31.1	29.2	28.0	27.2
65°	75.5	61.4	50.2	41.4	34.7	30.5	28.7	26.9	25.2	23.9	22.9
62.5°	55.4	45.2	38.6	33.6	29.7	26.9	25.1	23.6	22.4	21.4	20.6
60°	41.8	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	30.0	31.2	29.6	26.0	28.9	27.9	24.6	26.5	26.3	24.7
42.5°	45.6	50.3	54.0	51.7	44.2	46.7	46.7	41.7	43.1	43.3	41.3
40°	86.9	85.3	91.2	88.8	80.8	77.8	81.2	75.5	74.4	77.2	73.9
37.5°	143.2	144.1	141.4	141.8	138.9	131.1	135.8	134.2	129.4	138.4	139.5
35°	223.8	230.7	208.9	217.5	221.3	212.8	218.1	233.4	223.6	244.7	250.4
32.5°	331.8	346.2	335.9	325.9	342.4	355.6	361.7	394.0	402.7	421.8	444.4
30°	465.0	502.4	531.9	513.5	511.4	557.8	584.5	628.0	670.2	695.5	741.8
27.5°	742.1	730.6	800.8	821.5	775.3	849.5	950.2	969.4	1097.8	1108.2	1198.1
25°	1172.9	1166.8	1187.9	1289.8	1315.6	1352.8	1525.6	1616.8	1764.2	1843.8	1912.6
22.5°	1751.2	1914.6	1942.5	1895.8	2119.5	2265.8	2314.1	2576.8	2697.0	2876.3	2930.3
20°	2474.6	2854.8	3335.0	3342.6	3250.5	3672.0	3846.7	3984.7	4278.3	4482.9	4621.6
17.5°	4371.1	4368.2	5349.1	5891.0	5829.7	6133.2	6991.7	6903.1	7596.8	8017.3	8035.0
15°	7154.5	7673.2	8295.7	9278.7	10115.4	10789.8	11605.0	12670.0	13532.5	14545.6	15314.7
12.5°	10338.7	11360.4	12425.8	13547.1	14860.2	16351.2	17972.9	19392.6	21081.4	22559.4	24087.7
10°	13529.3	15147.4	16651.1	18326.9	20193.1	22179.3	24557.6	26635.5	29133.7	31324.8	32765.3
7.5°	16454.8	18396.0	20428.3	22864.2	25469.0	27963.1	30655.6	33570.1	36492.8	39024.4	41174.2
5°	19314.4	21496.6	23749.1	26432.3	29409.1	32534.3	35866.0	39312.9	42375.4	45259.4	47769.4
2.5°	21557.6	24057.2	26630.7	29664.8	32867.4	36034.7	39369.8	43080.4	46642.2	50015.1	52593.8
0°	22890.8	25398.8	27923.6	31138.3	34655.0	38058.4	41776.4	45727.2	49487.1	52712.2	55102.8
-2.5°	22359.7	24802.6	27353.7	30529.7	33917.7	37088.9	40641.3	44468.3	48109.9	51376.3	53857.4
-5°	21158.8	23350.6	25689.2	28625.7	31795.3	34945.9	38428.6	42069.2	45210.8	48110.1	50334.6
-7.5°	19470.3	21492.3	23673.3	26392.0	29306.8	32058.1	34904.8	37841.9	40700.9	43180.5	45010.8
-10°	17676.9	19507.4	21384.8	23565.0	26049.2	28450.6	30852.5	33531.4	35887.6	37934.7	39444.2
-12.5°	15878.5	17382.1	18863.3	20530.4	22662.0	24823.2	26900.6	29147.0	31023.7	32712.5	34055.3
-15°	14152.2	15322.8	16446.7	18060.3	19937.3	21533.4	22811.7	24846.4	26120.3	27621.6	28560.4
-17.5°	12547.6	13482.4	14848.2	16235.3	17574.5	18886.2	20361.1	21565.7	22816.2	24042.4	24849.3
-20°	11285.2	12441.2	13595.7	14723.8	15874.2	17126.3	18293.8	19432.1	20521.9	21464.4	22111.2



REPORT NUMBER: P731712 (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°	10463.4	11489.7	12461.5	13476.6	14597.3	15648.7	16635.2	17683.4	18615.2	19318.9	19845.1
-25°	9674.3	10566.8	11512.3	12527.9	13476.2	14361.1	15269.5	16078.6	16873.8	17459.7	17952.2
-27.5°	8963.0	9809.8	10741.3	11641.5	12486.7	13313.7	14085.7	14756.0	15418.4	15887.0	16376.8
-30°	8344.3	9202.0	10049.2	10849.4	11643.3	12392.6	13073.2	13709.7	14265.4	14721.9	15132.5
-32.5°	7877.0	8654.7	9409.2	10157.8	10910.2	11601.1	12196.9	12808.1	13319.5	13757.1	14129.0
-35°	7414.9	8146.2	8843.6	9529.5	10222.1	10888.1	11465.0	11997.3	12500.6	12892.3	13233.0
-37.5°	6964.3	7646.2	8291.4	8908.4	9542.0	10156.0	10682.2	11182.2	11632.2	11994.2	12317.4
-40°	6510.4	7135.0	7711.9	8286.7	8856.0	9370.6	9865.2	10325.7	10711.2	11044.9	11339.1
-42.5°	6041.4	6591.4	7111.8	7637.8	8157.8	8613.1	9049.7	9463.4	9791.5	10087.3	10342.0
-45°	5570.7	6054.6	6531.4	7004.0	7431.9	7852.3	8248.0	8597.3	8893.2	9155.1	9376.0
-47.5°	5117.6	5528.9	5965.1	6396.1	6763.7	7123.5	7469.6	7765.9	8022.8	8251.9	8446.2
-50°	4664.8	5031.8	5412.3	5782.2	6119.3	6435.1	6725.2	6983.9	7218.1	7416.1	7582.9
-52.5°	4216.5	4557.3	4882.6	5183.3	5489.6	5780.0	6049.8	6276.1	6481.3	6664.4	6811.3
-55°	3788.6	4090.0	4394.1	4650.1	4897.8	5139.6	5364.4	5566.4	5752.4	5920.6	6052.3
-57.5°	3356.9	3619.8	3873.9	4103.5	4325.7	4539.1	4721.2	4879.5	5027.9	5163.8	5280.0
-60°	2940.2	3159.3	3373.9	3565.6	3750.7	3928.2	4083.3	4218.1	4337.6	4442.9	4538.2
-62.5°	2549.0	2737.3	2908.4	3063.1	3207.9	3352.7	3484.9	3601.5	3702.7	3789.4	3863.9
-65°	2189.5	2345.2	2482.0	2610.2	2730.4	2852.4	2958.6	3054.3	3139.5	3211.1	3268.6
-67.5°	1869.8	1991.6	2105.5	2204.8	2307.0	2410.8	2506.9	2590.7	2663.0	2720.2	2764.8
-70°	1600.1	1698.8	1800.9	1899.8	1997.1	2086.3	2169.4	2243.6	2309.7	2358.9	2398.3
-72.5°	1394.2	1477.4	1571.6	1671.4	1763.9	1852.6	1937.0	2015.5	2088.7	2135.6	2172.3
-75°	1246.4	1332.3	1416.5	1499.7	1581.6	1659.6	1738.3	1818.4	1899.5	1947.2	1985.5
-77.5°	1083.1	1143.3	1205.9	1273.8	1345.9	1416.0	1484.5	1552.1	1618.3	1651.5	1676.8
-80°	830.3	878.4	925.5	973.3	1021.2	1070.5	1120.1	1169.4	1217.8	1240.2	1257.0
-82.5°	541.2	574.2	605.6	635.8	664.7	689.3	712.4	733.8	753.6	763.2	769.9
-85°	283.4	298.0	311.7	324.7	336.8	344.4	350.9	356.4	360.9	367.0	372.2
-87.5°	109.1	113.2	117.2	121.1	124.9	126.8	128.4	129.9	131.1	133.0	134.8
-90°	8.4	7.9	7.4	6.8	6.3	5.8	5.3	4.7	4.2	4.2	4.2



REPORT NUMBER: P731712 (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°
90°	40.3	39.8	40.9	41.9	40.9	39.8	40.3	40.9	41.4	41.9	40.3
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°	30.7	27.2	25.2	23.1	25.2	27.2	30.7	34.2	37.5	40.6	38.5
82.5°	37.1	35.5	35.6	35.6	35.6	35.5	37.1	38.6	40.2	42.0	43.6
80°	42.8	41.8	41.9	41.9	41.9	41.8	42.8	43.7	44.7	45.9	50.0
77.5°	46.5	46.0	45.1	44.0	45.1	46.0	46.5	47.0	47.4	48.6	54.1
75°	42.7	42.0	41.9	41.9	41.9	42.0	42.7	43.4	44.2	46.0	51.8
72.5°	36.6	35.8	35.6	35.6	35.6	35.8	36.6	37.4	38.4	40.3	44.9
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	26.5	24.6
42.5°	41.8	40.6	38.9	37.7	38.9	40.6	41.8	41.3	43.3	43.1	41.7
40°	74.1	72.5	70.0	69.2	70.0	72.5	74.1	73.9	77.2	74.4	75.5
37.5°	141.4	140.3	135.8	134.2	135.8	140.3	141.4	139.5	138.4	129.4	134.2
35°	250.0	251.8	247.5	247.4	247.5	251.8	250.0	250.4	244.7	223.6	233.4
32.5°	451.9	456.8	444.1	450.9	444.1	456.8	451.9	444.4	421.8	402.7	394.0
30°	740.3	756.8	749.5	752.8	749.5	756.8	740.3	741.8	695.5	670.2	628.0
27.5°	1206.8	1219.1	1193.7	1184.8	1193.7	1219.1	1206.8	1198.1	1108.2	1097.8	969.4
25°	1951.4	1959.1	1934.3	1943.9	1934.3	1959.1	1951.4	1912.6	1843.8	1764.2	1616.8
22.5°	3039.8	3010.6	2983.0	2956.8	2983.0	3010.6	3039.8	2930.3	2876.3	2697.0	2576.8
20°	4750.5	4683.3	4674.3	4623.9	4674.3	4683.3	4750.5	4621.6	4482.9	4278.3	3984.7
17.5°	8463.9	8585.7	8315.2	7792.4	8315.2	8585.7	8463.9	8035.0	8017.3	7596.8	6903.1
15°	15767.7	16339.9	16585.7	15985.4	16585.7	16339.9	15767.7	15314.7	14545.6	13532.5	12670.0
12.5°	24931.2	25334.1	25822.1	25466.0	25822.1	25334.1	24931.2	24087.7	22559.4	21081.4	19392.6
10°	34002.6	34605.7	35344.3	35011.5	35344.3	34605.7	34002.6	32765.3	31324.8	29133.7	26635.5
7.5°	42357.3	43396.4	44045.4	43628.1	44045.4	43396.4	42357.3	41174.2	39024.4	36492.8	33570.1
5°	49487.4	50308.9	50700.2	50592.2	50700.2	50308.9	49487.4	47769.4	45259.4	42375.4	39312.9
2.5°	54060.0	54927.3	55277.7	54986.5	55277.7	54927.3	54060.0	52593.8	50015.1	46642.2	43080.4
0°	56295.0	57107.6	57665.4	57709.4	57665.4	57107.6	56295.0	55102.8	52712.2	49487.1	45727.2
-2.5°	55003.4	55497.2	55764.0	55586.2	55764.0	55497.2	55003.4	53857.4	51376.3	48109.9	44468.3
-5°	51620.8	52142.9	52312.4	52519.3	52312.4	52142.9	51620.8	50334.6	48110.1	45210.8	42069.2
-7.5°	46040.4	46613.2	47035.6	47017.9	47035.6	46613.2	46040.4	45010.8	43180.5	40700.9	37841.9
-10°	40566.8	40992.4	41433.1	41359.1	41433.1	40992.4	40566.8	39444.2	37934.7	35887.6	33531.4
-12.5°	35142.3	35852.3	36024.9	35973.0	36024.9	35852.3	35142.3	34055.3	32712.5	31023.7	29147.0
-15°	29629.2	30155.3	30112.1	29972.4	30112.1	30155.3	29629.2	28560.4	27621.6	26120.3	24846.4
-17.5°	25547.5	25837.6	25948.5	25839.2	25948.5	25837.6	25547.5	24849.3	24042.4	22816.2	21565.7
-20°	22643.1	22867.2	22942.7	22993.6	22942.7	22867.2	22643.1	22111.2	21464.4	20521.9	19432.1



REPORT NUMBER: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20298.4	20527.5	20593.8	20680.6	20593.8	20527.5	20298.4	19845.1	19318.9	18615.2	17683.4
-25°	18332.1	18555.9	18631.6	18717.8	18631.6	18555.9	18332.1	17952.2	17459.7	16873.8	16078.6
-27.5°	16705.2	16923.6	17014.6	17080.1	17014.6	16923.6	16705.2	16376.8	15887.0	15418.4	14756.0
-30°	15424.0	15639.1	15769.2	15811.4	15769.2	15639.1	15424.0	15132.5	14721.9	14265.4	13709.7
-32.5°	14407.5	14595.3	14717.5	14779.6	14717.5	14595.3	14407.5	14129.0	13757.1	13319.5	12808.1
-35°	13502.1	13690.7	13817.7	13882.1	13817.7	13690.7	13502.1	13233.0	12892.3	12500.6	11997.3
-37.5°	12576.4	12781.7	12916.0	12919.6	12916.0	12781.7	12576.4	12317.4	11994.2	11632.2	11182.2
-40°	11555.0	11717.7	11824.3	11866.9	11824.3	11717.7	11555.0	11339.1	11044.9	10711.2	10325.7
-42.5°	10530.6	10668.8	10755.2	10791.2	10755.2	10668.8	10530.6	10342.0	10087.3	9791.5	9463.4
-45°	9552.4	9691.8	9763.8	9753.1	9763.8	9691.8	9552.4	9376.0	9155.1	8893.2	8597.3
-47.5°	8595.5	8703.6	8762.7	8775.9	8762.7	8703.6	8595.5	8446.2	8251.9	8022.8	7765.9
-50°	7724.5	7839.1	7888.0	7874.2	7888.0	7839.1	7724.5	7582.9	7416.1	7218.1	6983.9
-52.5°	6932.4	7029.8	7072.1	7066.9	7072.1	7029.8	6932.4	6811.3	6664.4	6481.3	6276.1
-55°	6160.1	6244.3	6277.8	6272.1	6277.8	6244.3	6160.1	6052.3	5920.6	5752.4	5566.4
-57.5°	5376.3	5452.2	5474.6	5460.6	5474.6	5452.2	5376.3	5280.0	5163.8	5027.9	4879.5
-60°	4617.2	4679.6	4699.0	4691.0	4699.0	4679.6	4617.2	4538.2	4442.9	4337.6	4218.1
-62.5°	3925.6	3973.8	3993.6	3994.8	3993.6	3973.8	3925.6	3863.9	3789.4	3702.7	3601.5
-65°	3315.2	3350.9	3366.8	3369.9	3366.8	3350.9	3315.2	3268.6	3211.1	3139.5	3054.3
-67.5°	2800.7	2828.6	2838.3	2839.3	2838.3	2828.6	2800.7	2764.8	2720.2	2663.0	2590.7
-70°	2433.5	2464.6	2477.6	2484.9	2477.6	2464.6	2433.5	2398.3	2358.9	2309.7	2243.6
-72.5°	2206.6	2238.6	2253.6	2264.8	2253.6	2238.6	2206.6	2172.3	2135.6	2088.7	2015.5
-75°	2022.0	2055.9	2066.5	2071.8	2066.5	2055.9	2022.0	1985.5	1947.2	1899.5	1818.4
-77.5°	1698.7	1717.0	1723.7	1725.8	1723.7	1717.0	1698.7	1676.8	1651.5	1618.3	1552.1
-80°	1270.2	1279.8	1298.0	1312.7	1298.0	1279.8	1270.2	1257.0	1240.2	1217.8	1169.4
-82.5°	774.0	775.6	786.2	794.8	786.2	775.6	774.0	769.9	763.2	753.6	733.8
-85°	376.5	379.8	388.5	396.3	388.5	379.8	376.5	372.2	367.0	360.9	356.4
-87.5°	136.5	138.0	137.3	136.3	137.3	138.0	136.5	134.8	133.0	131.1	129.9
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.7



REPORT NUMBER: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	38.8	37.2	35.6	35.1	34.6	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°	36.4	34.3	32.1	32.3	32.4	32.4	32.2	31.3	30.1	28.6	26.9
82.5°	44.9	45.8	46.5	49.8	52.4	54.3	55.3	54.9	53.9	52.1	49.4
80°	53.7	57.1	60.5	67.2	73.1	78.2	82.2	83.6	84.5	84.2	81.4
77.5°	59.4	64.6	70.6	80.6	90.1	98.8	105.9	109.3	110.8	111.5	108.5
75°	57.8	64.0	72.5	86.0	99.1	111.8	121.0	126.6	131.0	134.4	131.2
72.5°	50.0	55.7	65.7	81.6	98.0	112.7	125.6	136.5	145.6	153.0	148.3
70°	40.4	44.4	53.7	68.3	84.0	100.4	117.6	135.2	153.3	165.8	158.4
67.5°	33.2	35.5	42.2	52.8	66.0	81.3	99.3	119.7	139.1	158.0	156.2
65°	28.7	30.5	34.7	41.4	50.2	61.4	75.5	93.1	114.2	135.7	138.7
62.5°	25.1	26.9	29.7	33.6	38.6	45.2	55.4	70.0	87.3	102.2	109.7
60°	22.2	23.2	25.0	27.5	30.7	34.8	41.8	51.2	63.1	75.4	83.3
57.5°	20.4	21.2	22.0	23.2	24.7	27.7	31.9	37.1	46.7	54.4	61.0
55°	18.7	19.6	20.4	20.9	21.4	23.1	25.2	28.9	34.5	39.1	46.9
52.5°	18.8	19.4	20.0	20.6	21.0	21.0	21.2	23.7	27.3	32.3	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	23.3	26.3	26.4	29.8
45°	27.9	28.9	26.0	29.6	31.2	30.0	25.6	31.4	33.0	32.4	29.2
42.5°	46.7	46.7	44.2	51.7	54.0	50.3	45.6	50.1	48.2	43.3	48.8
40°	81.2	77.8	80.8	88.8	91.2	85.3	86.9	81.1	75.7	63.9	83.0
37.5°	135.8	131.1	138.9	141.8	141.4	144.1	143.2	131.0	114.2	123.9	138.9
35°	218.1	212.8	221.3	217.5	208.9	230.7	223.8	196.7	183.2	198.5	208.4
32.5°	361.7	355.6	342.4	325.9	335.9	346.2	331.8	291.8	297.5	297.5	286.6
30°	584.5	557.8	511.4	513.5	531.9	502.4	465.0	479.0	459.2	418.4	378.2
27.5°	950.2	849.5	775.3	821.5	800.8	730.6	742.1	721.2	654.3	578.8	524.3
25°	1525.6	1352.8	1315.6	1289.8	1187.9	1166.8	1172.9	1075.2	916.8	807.0	881.6
22.5°	2314.1	2265.8	2119.5	1895.8	1942.5	1914.6	1751.2	1528.7	1363.9	1483.3	1388.1
20°	3846.7	3672.0	3250.5	3342.6	3335.0	2854.8	2474.6	2504.7	2600.1	2392.0	2024.4
17.5°	6991.7	6133.2	5829.7	5891.0	5349.1	4368.2	4371.1	4417.8	4091.1	3483.5	2769.7
15°	11605.0	10789.8	10115.4	9278.7	8295.7	7673.2	7154.5	6668.9	5836.6	4797.2	3855.0
12.5°	17972.9	16351.2	14860.2	13547.1	12425.8	11360.4	10338.7	9244.5	7889.0	6592.3	5505.4
10°	24557.6	22179.3	20193.1	18326.9	16651.1	15147.4	13529.3	11863.2	10159.5	8543.9	7156.0
7.5°	30655.6	27963.1	25469.0	22864.2	20428.3	18396.0	16454.8	14449.7	12395.8	10475.3	8791.2
5°	35866.0	32534.3	29409.1	26432.3	23749.1	21496.6	19314.4	16993.0	14572.4	12363.5	10388.7
2.5°	39369.8	36034.7	32867.4	29664.8	26630.7	24057.2	21557.6	18901.1	16101.6	13497.2	11269.5
0°	41776.4	38058.4	34655.0	31138.3	27923.6	25398.8	22890.8	20198.3	17256.2	14398.0	12076.6
-2.5°	40641.3	37088.9	33917.7	30529.7	27353.7	24802.6	22359.7	19910.9	17025.1	14300.0	12061.3
-5°	38428.6	34945.9	31795.3	28625.7	25689.2	23350.6	21158.8	18998.0	16412.6	13988.6	11954.7
-7.5°	34904.8	32058.1	29306.8	26392.0	23673.3	21492.3	19470.3	17433.4	15157.2	12999.5	11145.0
-10°	30852.5	28450.6	26049.2	23565.0	21384.8	19507.4	17676.9	15815.8	13836.8	11949.8	10291.6
-12.5°	26900.6	24823.2	22662.0	20530.4	18863.3	17382.1	15878.5	14229.7	12477.8	10855.7	9418.5
-15°	22811.7	21533.4	19937.3	18060.3	16446.7	15322.8	14152.2	12807.2	11296.3	9818.5	8543.4
-17.5°	20361.1	18886.2	17574.5	16235.3	14848.2	13482.4	12547.6	11483.1	10253.4	9008.0	7865.5
-20°	18293.8	17126.3	15874.2	14723.8	13595.7	12441.2	11285.2	10255.6	9277.9	8263.0	7303.8



REPORT NUMBER: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16635.2	15648.7	14597.3	13476.6	12461.5	11489.7	10463.4	9389.7	8358.1	7536.4	6742.1
-25°	15269.5	14361.1	13476.2	12527.9	11512.3	10566.8	9674.3	8742.7	7787.1	6878.2	6194.5
-27.5°	14085.7	13313.7	12486.7	11641.5	10741.3	9809.8	8963.0	8130.6	7284.9	6467.1	5704.9
-30°	13073.2	12392.6	11643.3	10849.4	10049.2	9202.0	8344.3	7590.6	6838.5	6090.3	5379.5
-32.5°	12196.9	11601.1	10910.2	10157.8	9409.2	8654.7	7877.0	7085.2	6406.3	5748.5	5096.6
-35°	11465.0	10888.1	10222.1	9529.5	8843.6	8146.2	7414.9	6690.2	6020.3	5408.3	4809.4
-37.5°	10682.2	10156.0	9542.0	8908.4	8291.4	7646.2	6964.3	6299.1	5659.4	5087.1	4541.4
-40°	9865.2	9370.6	8856.0	8286.7	7711.9	7135.0	6510.4	5891.3	5317.3	4770.1	4267.7
-42.5°	9049.7	8613.1	8157.8	7637.8	7111.8	6591.4	6041.4	5488.1	4962.3	4464.1	3995.4
-45°	8248.0	7852.3	7431.9	7004.0	6531.4	6054.6	5570.7	5086.7	4613.0	4154.3	3710.1
-47.5°	7469.6	7123.5	6763.7	6396.1	5965.1	5528.9	5117.6	4693.9	4256.6	3830.7	3438.2
-50°	6725.2	6435.1	6119.3	5782.2	5412.3	5031.8	4664.8	4287.9	3894.5	3522.5	3159.2
-52.5°	6049.8	5780.0	5489.6	5183.3	4882.6	4557.3	4216.5	3888.8	3549.4	3208.2	2881.3
-55°	5364.4	5139.6	4897.8	4650.1	4394.1	4090.0	3788.6	3493.6	3194.5	2883.8	2609.6
-57.5°	4721.2	4539.1	4325.7	4103.5	3873.9	3619.8	3356.9	3090.2	2841.2	2585.7	2338.4
-60°	4083.3	3928.2	3750.7	3565.6	3373.9	3159.3	2940.2	2720.5	2501.0	2294.3	2085.0
-62.5°	3484.9	3352.7	3207.9	3063.1	2908.4	2737.3	2549.0	2371.0	2193.7	2013.9	1841.2
-65°	2958.6	2852.4	2730.4	2610.2	2482.0	2345.2	2189.5	2043.3	1901.2	1755.5	1604.6
-67.5°	2506.9	2410.8	2307.0	2204.8	2105.5	1991.6	1869.8	1745.2	1629.4	1509.7	1383.3
-70°	2169.4	2086.3	1997.1	1899.8	1800.9	1698.8	1600.1	1499.7	1391.3	1290.9	1195.2
-72.5°	1937.0	1852.6	1763.9	1671.4	1571.6	1477.4	1394.2	1313.8	1226.0	1130.7	1039.4
-75°	1738.3	1659.6	1581.6	1499.7	1416.5	1332.3	1246.4	1164.2	1084.3	1007.1	929.5
-77.5°	1484.5	1416.0	1345.9	1273.8	1205.9	1143.3	1083.1	1011.0	933.0	859.4	786.8
-80°	1120.1	1070.5	1021.2	973.3	925.5	878.4	830.3	774.6	722.0	668.7	610.7
-82.5°	712.4	689.3	664.7	635.8	605.6	574.2	541.2	502.5	464.1	426.4	388.9
-85°	350.9	344.4	336.8	324.7	311.7	298.0	283.4	266.7	249.6	232.1	214.3
-87.5°	128.4	126.8	124.9	121.1	117.2	113.2	109.1	104.5	99.8	94.8	89.8
-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: P731712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

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°	44.4	41.1	38.6	36.7	35.5	33.5	30.8	27.2	24.3	22.6	22.2
80°	72.9	65.0	57.8	51.6	48.1	46.2	43.9	40.0	33.7	29.2	26.5
77.5°	98.0	88.2	79.0	69.7	61.8	56.1	52.6	50.3	42.9	35.5	30.4
75°	119.8	107.6	95.9	84.5	73.8	65.2	58.3	53.3	47.1	41.1	34.1
72.5°	134.8	122.0	110.1	97.3	83.3	71.7	62.8	56.1	49.5	43.1	37.0
70°	145.4	133.4	120.5	105.9	91.2	77.3	65.9	58.2	51.7	44.9	38.5
67.5°	152.0	138.4	126.1	112.9	97.7	82.6	68.5	60.1	53.3	46.6	39.8
65°	135.8	132.9	128.8	114.6	101.2	87.4	72.4	62.4	54.9	48.0	41.1
62.5°	115.2	117.6	115.5	112.2	101.8	88.6	76.2	66.0	56.6	49.3	42.2
60°	90.0	96.6	100.9	100.0	96.8	88.3	77.3	69.3	59.3	50.4	43.2
57.5°	69.7	76.2	83.2	87.2	86.5	83.3	77.7	70.5	61.7	52.2	44.3
55°	52.8	60.5	67.8	73.6	76.2	74.7	75.9	70.7	63.4	53.9	45.7
52.5°	42.4	48.7	55.5	62.0	66.2	67.6	70.6	70.8	63.5	55.3	47.6
50°	35.9	42.9	47.5	52.5	57.6	62.0	66.0	67.3	63.4	56.2	49.6
47.5°	36.0	42.8	45.5	46.1	50.4	56.9	61.7	63.9	63.3	56.0	51.6
45°	43.5	48.4	48.5	47.1	46.3	53.9	57.8	60.9	60.8	57.3	53.7
42.5°	58.6	62.3	58.0	50.1	55.0	52.9	54.5	58.1	58.6	58.9	55.3
40°	90.0	84.5	73.1	72.0	72.5	54.2	55.0	55.6	57.2	60.3	56.8
37.5°	130.9	119.2	99.7	106.3	98.9	76.1	57.1	53.6	58.7	61.4	58.5
35°	195.9	165.5	154.3	153.4	137.5	103.6	60.7	53.9	61.2	63.1	60.3
32.5°	273.7	246.6	235.1	210.2	183.3	136.5	79.3	64.5	65.2	65.2	62.1
30°	375.4	387.3	332.9	273.1	236.3	179.8	118.7	77.7	70.5	67.8	64.1
27.5°	577.9	559.0	453.3	362.0	295.4	233.6	185.9	93.4	77.1	71.3	66.1
25°	844.4	766.5	619.9	467.9	358.4	395.9	270.5	113.1	88.2	76.4	68.3
22.5°	1204.2	1012.1	807.2	583.3	603.7	601.8	387.4	177.3	102.3	82.1	70.7
20°	1622.9	1291.4	1087.3	1009.1	910.6	821.9	545.0	250.7	117.5	88.5	73.3
17.5°	2112.3	1901.1	1789.7	1529.4	1265.9	1062.3	726.0	331.2	133.6	95.2	76.1
15°	3290.1	2924.3	2571.4	2103.2	1650.1	1319.1	925.3	416.9	150.2	102.4	83.7
12.5°	4646.4	3994.2	3413.9	2718.3	2056.0	1588.0	1137.3	505.3	167.2	118.8	98.0
10°	6029.2	5095.9	4299.2	3360.9	2475.8	1864.3	1355.6	604.2	207.0	142.8	112.6
7.5°	7420.0	6213.2	5207.7	4016.0	2889.5	2134.6	1586.9	722.0	250.9	167.2	127.6
5°	8687.1	7156.2	5945.1	4542.8	3234.4	2389.7	1811.0	835.1	294.9	191.6	142.6
2.5°	9440.0	7800.9	6543.5	5024.9	3561.1	2633.9	2020.0	940.7	338.1	215.7	157.5
0°	10130.6	8400.6	7096.2	5469.0	3864.8	2864.5	2208.1	1035.9	379.6	239.1	172.0
-2.5°	10076.1	8411.5	7082.5	5535.2	4001.6	2984.8	2289.7	1152.5	494.9	322.7	227.1
-5°	9959.9	8372.3	7023.0	5559.1	4109.5	3086.4	2347.3	1255.9	606.2	404.1	280.8
-7.5°	9445.9	8064.8	6829.1	5518.3	4187.4	3167.1	2383.8	1346.4	712.2	482.1	332.4
-10°	8816.1	7585.3	6452.3	5252.7	4070.5	3158.5	2391.5	1424.2	811.5	555.6	381.0
-12.5°	8164.9	7087.2	6062.3	4968.1	3905.8	3071.1	2317.1	1455.8	899.0	623.5	426.0
-15°	7503.7	6579.1	5668.5	4671.4	3728.7	2972.1	2236.5	1462.7	952.2	679.0	466.7
-17.5°	6878.0	6068.7	5279.7	4369.3	3542.9	2863.2	2153.7	1462.8	998.6	721.3	502.1
-20°	6436.2	5646.9	4901.9	4067.7	3351.8	2746.2	2072.4	1457.5	1037.8	758.6	532.7



REPORT NUMBER: P731712 (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°	5996.6	5291.7	4577.3	3814.8	3175.1	2622.5	1996.0	1447.9	1069.4	790.6	559.0
-25°	5553.7	4931.8	4272.5	3614.0	3020.9	2503.7	1944.8	1435.1	1093.3	817.0	580.6
-27.5°	5139.6	4576.9	3980.8	3412.5	2885.5	2402.6	1913.0	1454.8	1112.9	837.5	597.4
-30°	4740.9	4256.4	3739.4	3222.0	2744.4	2302.0	1881.8	1466.4	1132.5	853.9	609.1
-32.5°	4468.6	3962.7	3515.0	3057.8	2615.9	2196.4	1822.4	1468.0	1144.5	864.8	619.4
-35°	4256.6	3743.7	3300.8	2891.0	2489.7	2103.2	1748.6	1459.4	1148.9	868.8	626.2
-37.5°	4024.7	3553.2	3117.2	2733.1	2358.9	2001.8	1684.3	1411.7	1145.5	865.8	628.2
-40°	3798.3	3354.1	2946.6	2586.0	2235.1	1892.6	1612.9	1361.8	1134.9	855.6	625.1
-42.5°	3553.9	3150.6	2777.9	2435.0	2107.7	1805.8	1536.3	1304.9	1088.9	844.2	617.2
-45°	3313.9	2939.9	2600.9	2283.7	1978.0	1712.3	1465.2	1241.5	1033.9	829.1	605.2
-47.5°	3063.3	2731.8	2419.3	2122.2	1866.5	1614.8	1386.2	1174.1	974.2	807.0	589.3
-50°	2821.9	2519.0	2233.4	1973.6	1739.6	1518.0	1301.0	1101.2	919.1	759.2	568.1
-52.5°	2582.7	2307.4	2053.6	1821.7	1613.3	1412.8	1213.4	1024.0	858.9	708.6	541.8
-55°	2343.5	2100.2	1874.1	1672.0	1482.5	1304.1	1119.9	949.3	794.0	655.2	510.9
-57.5°	2113.0	1891.4	1702.1	1522.0	1349.9	1187.7	1025.6	869.1	727.9	598.8	478.1
-60°	1883.7	1703.3	1531.8	1369.1	1213.7	1069.4	927.9	786.1	659.3	540.8	434.5
-62.5°	1673.4	1512.2	1357.8	1211.6	1078.4	951.4	826.6	703.8	587.4	485.9	386.6
-65°	1463.4	1320.7	1179.2	1062.0	945.5	834.6	728.8	618.0	521.5	429.5	340.1
-67.5°	1255.4	1143.3	1021.9	913.8	822.8	729.6	629.3	540.7	456.3	371.6	299.5
-70°	1093.4	983.5	880.1	795.0	712.7	627.1	546.8	466.5	389.6	325.0	258.2
-72.5°	955.5	865.2	768.5	682.3	616.5	544.9	467.5	394.8	337.6	278.0	216.1
-75°	844.0	753.1	668.7	596.9	532.2	462.3	394.8	338.0	285.2	230.3	178.6
-77.5°	709.4	637.6	571.9	500.7	434.3	375.6	324.8	280.6	230.9	183.6	141.8
-80°	544.6	482.3	424.4	371.5	325.5	285.6	249.4	212.7	172.2	135.8	103.9
-82.5°	346.7	312.3	281.1	251.5	223.3	195.4	167.8	140.4	112.1	87.0	71.8
-85°	195.1	176.8	159.4	143.0	123.6	104.6	92.9	81.8	71.4	61.5	52.4
-87.5°	85.9	81.9	77.7	73.3	66.6	60.3	54.2	48.4	42.8	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°	32.3	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°	36.0	29.4	23.0	19.8	17.7	12.2	8.4
60°	37.2	30.5	23.0	19.6	18.3	12.5	8.4
57.5°	38.6	31.6	23.9	19.3	18.2	12.7	8.4
55°	40.0	32.7	24.8	19.0	18.0	13.0	8.4
52.5°	41.6	33.8	25.7	18.6	17.9	13.2	8.4
50°	43.1	35.2	26.6	18.2	17.7	13.5	8.4
47.5°	44.8	36.7	27.4	18.0	17.6	13.7	8.4
45°	46.5	38.1	28.2	18.6	17.6	13.9	8.4
42.5°	48.3	39.6	29.0	19.1	17.5	14.1	8.4
40°	50.0	41.0	29.9	20.0	17.5	14.3	8.4
37.5°	51.7	42.5	31.0	21.1	17.5	14.4	8.4
35°	53.4	43.8	32.1	22.2	17.5	14.5	8.4
32.5°	54.9	45.1	33.1	23.4	17.5	14.7	8.4
30°	56.4	46.3	34.0	24.5	17.6	14.8	8.4
27.5°	57.9	47.5	36.1	25.6	17.6	14.8	8.4
25°	59.4	48.6	38.4	26.7	17.7	14.9	8.4
22.5°	60.8	50.5	40.6	27.8	17.8	15.0	8.4
20°	62.3	54.4	42.9	28.9	17.9	15.0	8.4
17.5°	67.7	58.6	45.1	29.9	18.1	15.0	8.4
15°	75.9	62.9	47.4	30.9	18.2	15.0	8.4
12.5°	84.4	67.2	49.5	31.8	18.3	15.0	8.4
10°	93.1	71.6	51.6	32.7	18.4	15.0	8.4
7.5°	102.0	75.9	53.5	33.6	18.6	14.9	8.4
5°	110.9	80.2	55.4	34.3	18.7	14.9	8.4
2.5°	119.5	84.2	57.1	35.0	18.8	14.8	8.4
0°	127.9	88.1	58.7	35.6	18.9	14.7	8.4
-2.5°	161.3	107.2	68.6	40.0	20.4	15.0	8.4
-5°	193.8	125.8	78.2	44.2	21.8	15.3	8.4
-7.5°	225.0	143.6	87.4	48.2	23.2	15.6	8.4
-10°	254.4	160.5	96.0	52.0	24.5	15.9	8.4
-12.5°	281.7	176.1	104.1	55.6	25.8	16.1	8.4
-15°	306.4	190.4	111.4	58.8	27.0	16.3	8.4
-17.5°	328.2	203.0	117.9	61.6	28.1	16.5	8.4
-20°	348.7	213.9	123.5	64.1	29.1	16.7	8.4



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-7F-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	369.3	222.8	128.1	66.1	30.0	16.9	8.4
-25°	386.9	234.1	131.7	67.6	30.8	17.0	8.4
-27.5°	401.3	245.2	134.1	68.7	31.5	17.1	8.4
-30°	412.2	253.8	135.8	69.2	32.0	17.1	8.4
-32.5°	419.7	259.8	140.1	69.2	32.4	17.1	8.4
-35°	425.5	263.3	142.9	68.7	32.7	17.1	8.4
-37.5°	428.4	264.9	144.0	67.6	32.8	17.1	8.4
-40°	427.3	265.4	143.5	65.9	32.8	17.0	8.4
-42.5°	422.3	263.2	142.4	64.3	32.7	16.9	8.4
-45°	413.3	258.3	141.1	63.2	32.3	16.7	8.4
-47.5°	400.4	250.7	138.3	61.3	31.9	16.6	8.4
-50°	386.3	240.4	134.0	60.6	31.3	16.4	8.4
-52.5°	368.8	227.5	128.2	60.0	30.5	16.1	8.4
-55°	347.6	215.9	121.1	58.8	29.6	15.8	8.4
-57.5°	322.8	202.9	112.5	57.0	28.6	15.5	8.4
-60°	295.4	187.9	102.9	54.5	27.4	15.2	8.4
-62.5°	271.2	170.9	96.6	51.5	26.4	14.8	8.4
-65°	244.3	152.1	89.4	47.9	25.3	14.4	8.4
-67.5°	215.0	134.9	81.2	43.9	24.1	14.0	8.4
-70°	183.4	119.8	72.2	39.4	22.8	13.6	8.4
-72.5°	157.8	103.5	62.4	36.1	21.4	13.1	8.4
-75°	131.7	86.2	52.0	32.9	20.0	12.6	8.4
-77.5°	104.4	67.9	45.0	29.5	18.5	12.1	8.4
-80°	75.9	54.7	38.6	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°	43.9	33.7	25.3	18.6	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

