

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: P731736 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731736 (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-57-80-7F-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

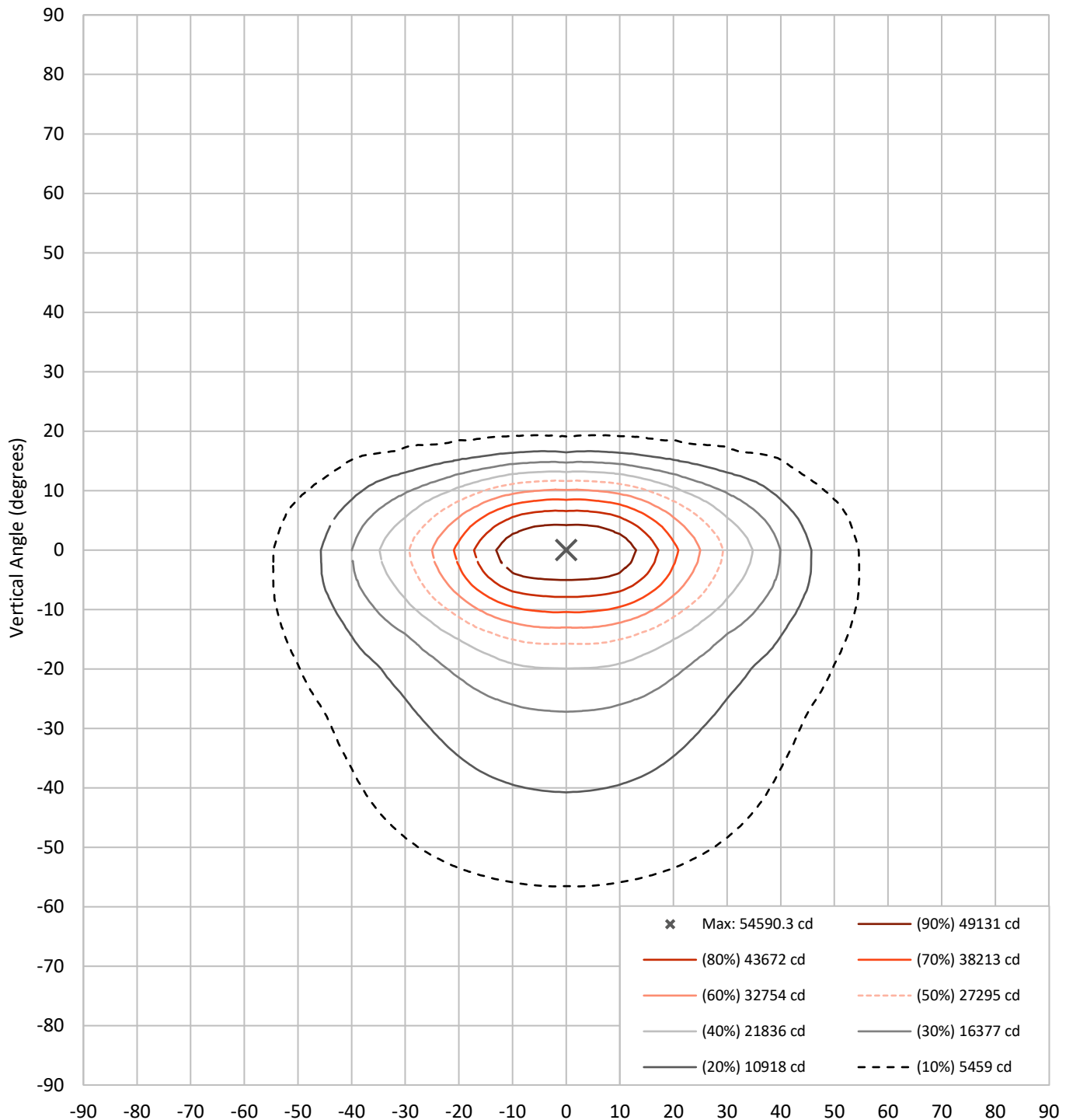
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	36731.9 lumens	Max Intensity:	54590.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	52.7 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:	14500.3 lumens	Field Lumens:	32324.8 lumens
Beam Efficiency:	39.5%	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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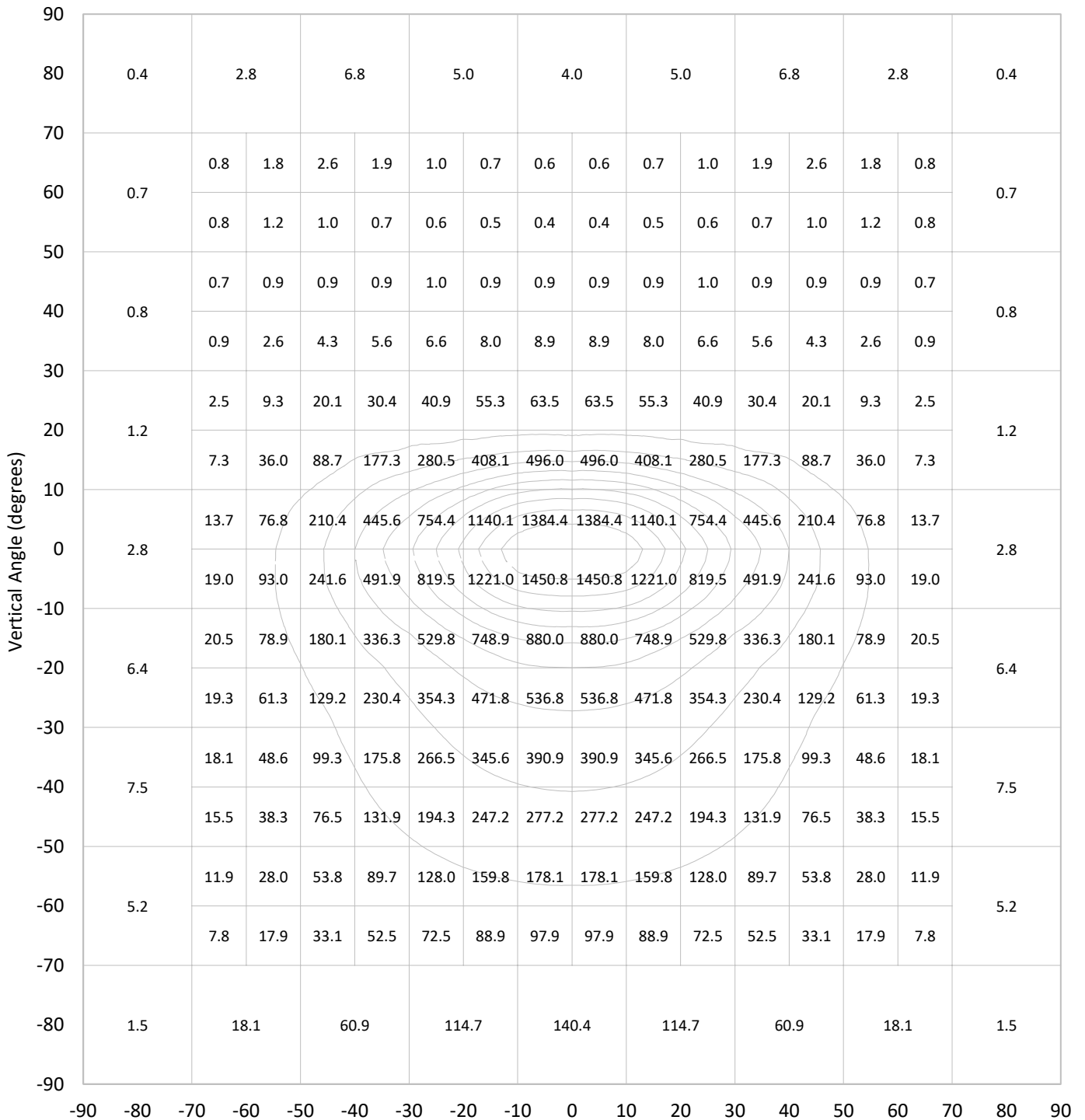
Iso-Candela Plot





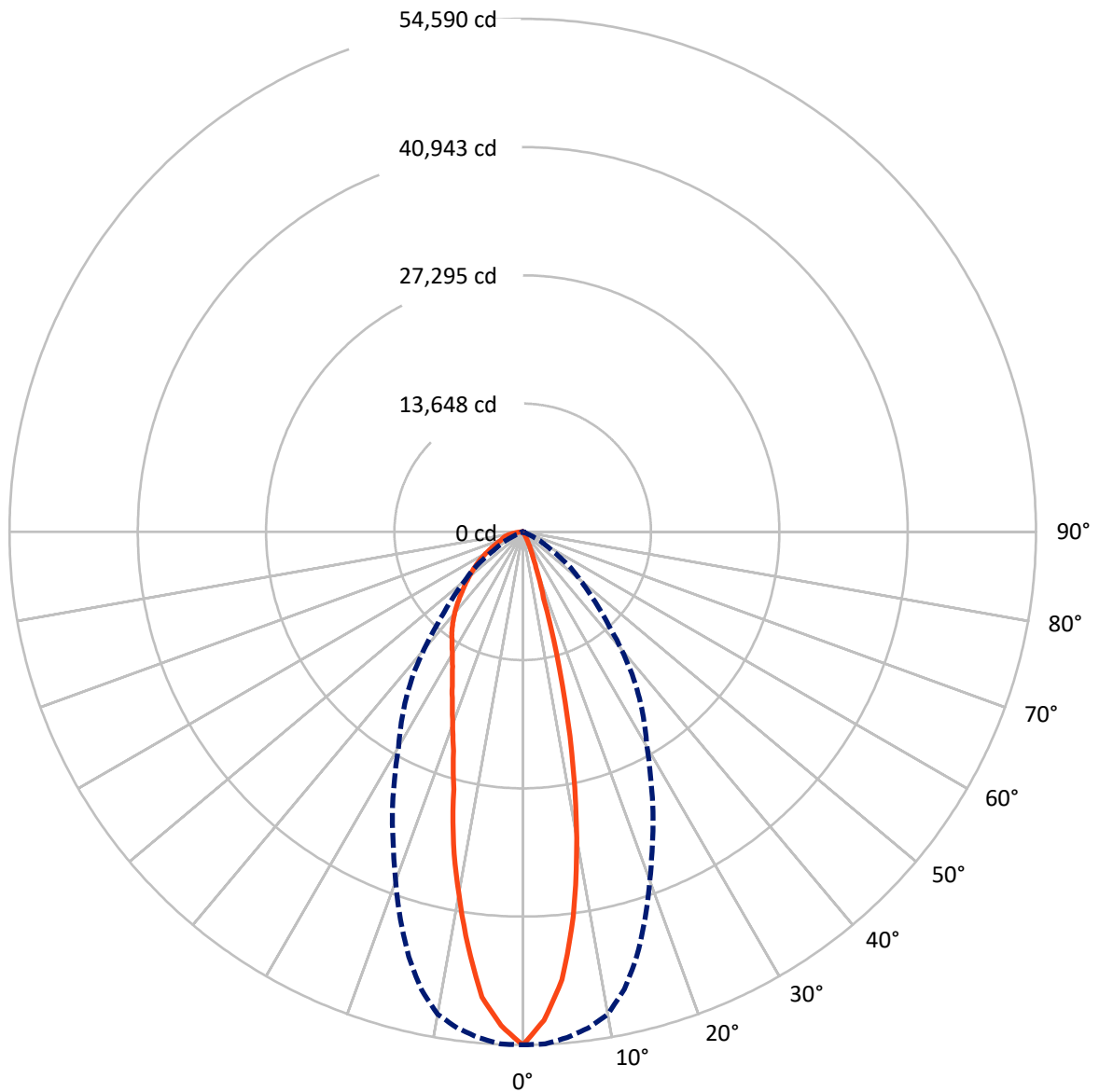
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Lumen Table



REPORT NUMBER: P731736 (CONVERTED FROM TYPE C PHOTOMETRY)
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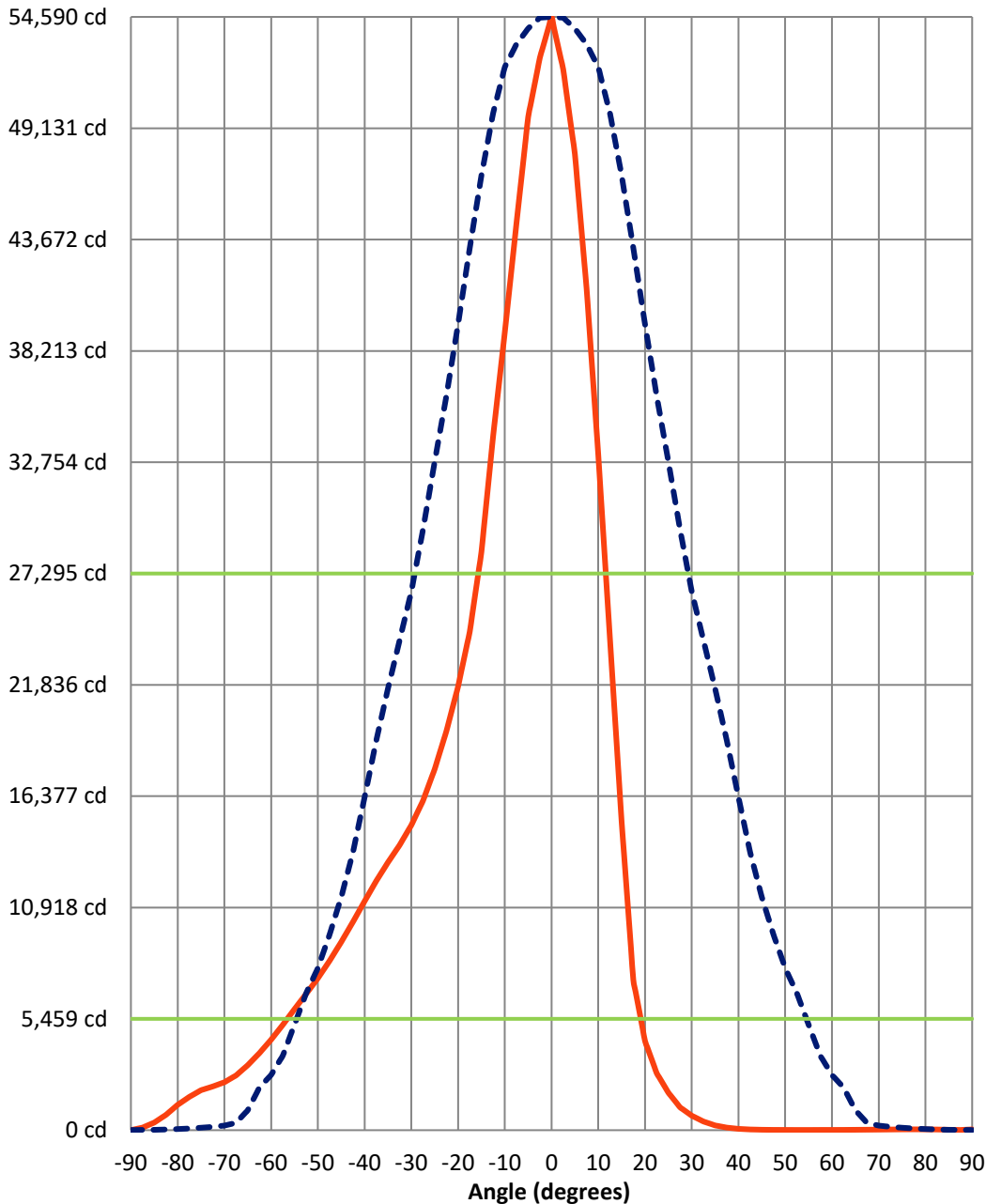
Luminous Intensity Polar Plot



— 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: 14500.3
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 32324.8
 Efficiency: 88.0%

Spill:
 Lumens: 4407.1
 Efficiency: 12.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	8.9	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9
87.5°	7.9	8.2	8.8	9.4	10.1	11.0	12.0	12.2	12.3	12.3	12.1
85°	7.9	8.6	9.6	10.9	12.4	14.1	16.1	16.6	16.8	16.7	16.4
82.5°	7.9	8.9	10.5	12.4	14.6	17.2	20.2	21.0	21.4	22.9	25.8
80°	7.9	9.3	11.3	13.8	16.8	20.2	23.9	25.0	27.6	31.9	37.9
77.5°	7.9	9.6	12.2	15.3	18.9	22.5	25.8	28.7	33.6	40.5	47.5
75°	7.9	10.0	13.0	16.7	20.7	23.5	27.5	32.2	38.9	44.5	50.4
72.5°	7.9	10.3	13.8	18.0	21.1	24.4	29.1	34.9	40.7	46.8	53.1
70°	7.9	10.6	14.6	19.1	21.4	25.2	30.5	36.4	42.5	48.9	55.1
67.5°	7.9	10.9	15.3	19.0	21.6	25.8	31.7	37.7	44.1	50.5	56.8
65°	7.9	11.2	16.0	18.9	21.7	26.7	32.9	38.9	45.4	51.9	59.0
62.5°	7.9	11.5	16.7	18.7	21.7	27.8	34.1	39.9	46.6	53.6	62.4
60°	7.9	11.8	17.4	18.5	21.7	28.9	35.2	40.9	47.7	56.1	65.5
57.5°	7.9	12.0	17.2	18.3	22.6	29.9	36.5	41.9	49.4	58.4	66.7
55°	7.9	12.3	17.0	18.0	23.5	30.9	37.9	43.2	51.0	60.0	66.9
52.5°	7.9	12.5	16.9	17.6	24.3	32.0	39.3	45.1	52.4	60.1	67.0
50°	7.9	12.7	16.8	17.2	25.1	33.3	40.8	47.0	53.2	60.0	63.7
47.5°	7.9	12.9	16.7	17.0	25.9	34.7	42.4	48.9	53.0	59.8	60.5
45°	7.9	13.1	16.6	17.6	26.7	36.1	44.0	50.8	54.2	57.5	57.7
42.5°	7.9	13.3	16.6	18.1	27.4	37.4	45.7	52.4	55.7	55.5	55.0
40°	7.9	13.5	16.5	18.9	28.3	38.8	47.3	53.8	57.0	54.1	52.6
37.5°	7.9	13.6	16.5	20.0	29.3	40.2	48.9	55.4	58.1	55.5	50.7
35°	7.9	13.8	16.6	21.0	30.3	41.5	50.5	57.0	59.7	58.0	51.0
32.5°	7.9	13.9	16.6	22.1	31.3	42.7	52.0	58.8	61.7	61.7	61.0
30°	7.9	14.0	16.6	23.2	32.2	43.9	53.4	60.6	64.2	66.7	73.5
27.5°	7.9	14.0	16.7	24.2	34.2	45.0	54.8	62.5	67.5	73.0	88.4
25°	7.9	14.1	16.8	25.3	36.3	46.0	56.2	64.6	72.3	83.5	107.0
22.5°	7.9	14.2	16.9	26.3	38.5	47.8	57.6	66.9	77.7	96.8	167.8
20°	7.9	14.2	17.0	27.3	40.6	51.5	59.0	69.4	83.7	111.2	237.1
17.5°	7.9	14.2	17.1	28.3	42.7	55.4	64.1	72.0	90.1	126.4	313.3
15°	7.9	14.2	17.2	29.2	44.8	59.5	71.8	79.2	96.8	142.2	394.3
12.5°	7.9	14.2	17.3	30.1	46.8	63.6	79.8	92.7	112.4	158.2	478.0
10°	7.9	14.2	17.5	31.0	48.8	67.7	88.1	106.6	135.1	195.9	571.5
7.5°	7.9	14.1	17.6	31.8	50.7	71.8	96.5	120.7	158.2	237.4	682.9
5°	7.9	14.1	17.7	32.5	52.4	75.8	104.9	134.9	181.2	278.9	790.0
2.5°	7.9	14.0	17.8	33.1	54.0	79.7	113.1	149.0	204.0	319.7	889.9
0°	7.9	13.9	17.9	33.7	55.5	83.3	121.0	162.7	226.1	359.0	979.9
-2.5°	7.9	14.2	19.3	37.8	64.8	101.4	152.6	214.8	305.2	468.1	1090.2
-5°	7.9	14.5	20.6	41.8	73.9	119.0	183.3	265.6	382.2	573.4	1188.0
-7.5°	7.9	14.7	21.9	45.6	82.6	135.9	212.8	314.4	456.0	673.7	1273.6
-10°	7.9	15.0	23.2	49.2	90.8	151.8	240.6	360.4	525.5	767.6	1347.2
-12.5°	7.9	15.2	24.4	52.6	98.4	166.6	266.4	403.0	589.8	850.4	1377.1
-15°	7.9	15.4	25.5	55.6	105.4	180.1	289.8	441.5	642.3	900.7	1383.6
-17.5°	7.9	15.6	26.6	58.3	111.5	192.1	310.4	474.9	682.3	944.6	1383.8
-20°	7.9	15.8	27.5	60.6	116.8	202.4	329.8	503.9	717.6	981.7	1378.8



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	15.9	28.4	62.5	121.2	210.8	349.4	528.8	747.9	1011.6	1369.7
-25°	7.9	16.0	29.2	64.0	124.5	221.5	366.0	549.2	772.8	1034.2	1357.6
-27.5°	7.9	16.1	29.8	65.0	126.8	231.9	379.6	565.1	792.3	1052.8	1376.2
-30°	7.9	16.2	30.3	65.5	128.4	240.1	390.0	576.1	807.8	1071.3	1387.2
-32.5°	7.9	16.2	30.7	65.5	132.5	245.8	397.1	585.9	818.1	1082.7	1388.6
-35°	7.9	16.2	31.0	65.0	135.2	249.0	402.6	592.4	821.8	1086.8	1380.6
-37.5°	7.9	16.1	31.1	63.9	136.2	250.5	405.3	594.2	819.0	1083.6	1335.4
-40°	7.9	16.1	31.1	62.3	135.7	251.0	404.3	591.4	809.4	1073.6	1288.2
-42.5°	7.9	16.0	30.9	60.8	134.7	249.0	399.5	583.9	798.6	1030.0	1234.4
-45°	7.9	15.8	30.6	59.8	133.4	244.3	391.0	572.6	784.3	978.0	1174.4
-47.5°	7.9	15.7	30.2	58.0	130.8	237.1	378.8	557.5	763.4	921.6	1110.6
-50°	7.9	15.5	29.6	57.4	126.7	227.4	365.4	537.4	718.2	869.4	1041.7
-52.5°	7.9	15.2	28.9	56.8	121.3	215.2	348.8	512.5	670.4	812.5	968.7
-55°	7.9	15.0	28.0	55.6	114.5	204.2	328.8	483.3	619.9	751.1	898.0
-57.5°	7.9	14.7	27.0	53.9	106.5	192.0	305.4	452.3	566.5	688.6	822.2
-60°	7.9	14.3	25.9	51.6	97.4	177.7	279.5	411.0	511.6	623.7	743.7
-62.5°	7.9	14.0	25.0	48.7	91.4	161.7	256.5	365.7	459.7	555.7	665.8
-65°	7.9	13.6	23.9	45.3	84.6	143.9	231.1	321.7	406.3	493.4	584.6
-67.5°	7.9	13.2	22.7	41.5	76.8	127.7	203.4	283.3	351.6	431.7	511.5
-70°	7.9	12.8	21.5	37.3	68.3	113.4	173.5	244.2	307.5	368.6	441.3
-72.5°	7.9	12.4	20.2	34.1	59.0	97.9	149.2	204.5	263.0	319.3	373.5
-75°	7.9	11.9	18.9	31.1	49.1	81.5	124.6	169.0	217.9	269.8	319.7
-77.5°	7.9	11.4	17.5	27.9	42.5	64.2	98.7	134.1	173.7	218.5	265.4
-80°	7.9	10.9	16.0	24.6	36.5	51.7	71.8	98.3	128.5	162.9	201.2
-82.5°	7.9	10.4	14.5	21.1	30.3	41.9	56.0	67.9	82.3	106.0	132.8
-85°	7.9	9.9	13.0	17.6	23.9	31.9	41.5	49.5	58.2	67.5	77.4
-87.5°	7.9	9.4	11.5	14.0	17.4	21.7	26.8	31.0	35.6	40.5	45.7
-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: P731736 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.4	14.9	15.4	15.9	17.4	18.9	20.3	21.8	24.3	26.8	29.2
87.5°	13.0	13.9	14.8	15.9	15.2	14.3	13.3	12.2	13.1	14.0	15.0
85°	18.0	19.8	22.3	24.4	24.3	24.4	24.8	25.4	27.1	28.5	29.7
82.5°	29.1	31.7	33.6	34.7	36.6	39.0	42.1	46.8	49.3	51.0	52.0
80°	41.5	43.8	45.5	48.8	54.7	61.5	69.0	77.0	79.6	79.9	79.1
77.5°	49.8	53.0	58.5	65.9	74.7	83.4	92.7	102.6	105.5	104.8	103.4
75°	55.2	61.6	69.8	79.9	90.7	101.7	113.3	124.1	127.1	124.0	119.7
72.5°	59.4	67.8	78.7	92.0	104.2	115.5	127.5	140.3	144.7	137.8	129.1
70°	62.3	73.1	86.2	100.2	114.0	126.3	137.6	149.8	156.8	145.0	127.9
67.5°	64.8	78.1	92.4	106.8	119.3	131.0	143.8	147.7	149.4	131.6	113.2
65°	68.5	82.7	95.7	108.5	121.9	125.8	128.5	131.2	128.3	108.0	88.1
62.5°	72.0	83.9	96.3	106.1	109.4	111.3	109.0	103.7	96.6	82.6	66.2
60°	73.2	83.6	91.6	94.6	95.5	91.4	85.1	78.7	71.3	59.7	48.5
57.5°	73.5	78.8	81.9	82.5	78.7	72.1	65.9	57.8	51.5	44.2	35.1
55°	71.8	70.7	72.2	69.7	64.2	57.2	50.0	44.4	37.0	32.7	27.4
52.5°	66.8	64.0	62.7	58.7	52.5	46.1	40.2	34.8	30.6	25.8	22.4
50°	62.4	58.7	54.5	49.7	45.0	40.6	34.0	30.2	26.6	22.9	19.9
47.5°	58.4	53.9	47.7	43.7	43.1	40.5	34.0	28.2	24.9	24.8	22.0
45°	54.7	51.0	43.9	44.6	45.9	45.8	41.2	27.6	30.6	31.2	29.7
42.5°	51.6	50.1	52.1	47.4	54.8	59.0	55.4	46.2	41.0	45.5	47.4
40°	52.0	51.3	68.6	68.1	69.2	80.0	85.2	78.5	60.4	71.6	76.8
37.5°	54.1	72.0	93.5	100.6	94.4	112.8	123.8	131.4	117.2	108.0	124.0
35°	57.4	98.0	130.1	145.1	146.0	156.6	185.4	197.1	187.7	173.3	186.1
32.5°	75.0	129.1	173.3	198.9	222.4	233.4	258.9	271.1	281.4	281.5	276.0
30°	112.2	170.1	223.5	258.4	315.0	366.3	355.1	357.8	395.7	434.3	453.1
27.5°	175.8	220.9	279.5	342.4	428.8	528.7	546.6	495.9	547.5	619.0	682.3
25°	255.8	374.5	339.1	442.6	586.4	725.1	798.8	833.9	763.4	867.2	1017.1
22.5°	366.4	569.3	571.1	551.8	763.5	957.4	1139.1	1313.1	1403.1	1290.2	1446.1
20°	515.5	777.5	861.4	954.5	1028.5	1221.6	1535.1	1915.0	2262.7	2459.6	2369.4
17.5°	686.8	1004.9	1197.5	1446.7	1693.0	1798.4	1998.1	2620.0	3295.2	3870.0	4179.0
15°	875.3	1247.8	1560.9	1989.6	2432.5	2766.3	3112.2	3646.6	4537.9	5521.2	6308.4
12.5°	1075.8	1502.2	1944.9	2571.4	3229.3	3778.3	4395.2	5207.8	6236.0	7462.6	8744.9
10°	1282.4	1763.5	2342.0	3179.2	4066.8	4820.5	5703.3	6769.2	8082.1	9610.4	11222.0
7.5°	1501.2	2019.2	2733.3	3798.9	4926.3	5877.4	7019.0	8316.0	9909.2	11725.8	13668.7
5°	1713.2	2260.5	3059.6	4297.3	5623.8	6769.4	8217.5	9827.1	11695.2	13784.8	16074.5
2.5°	1910.9	2491.6	3368.6	4753.3	6189.8	7379.2	8929.7	10660.4	12767.7	15231.3	17879.5
0°	2088.8	2709.7	3655.9	5173.4	6712.7	7946.5	9583.0	11423.9	13619.8	16323.5	19106.6
-2.5°	2166.0	2823.5	3785.4	5236.0	6699.7	7956.8	9531.5	11409.4	13527.1	16104.9	18834.7
-5°	2220.5	2919.6	3887.4	5258.6	6643.5	7919.7	9421.6	11308.5	13232.5	15525.5	17971.1
-7.5°	2255.0	2996.0	3961.1	5220.1	6460.0	7628.9	8935.3	10542.6	12296.9	14337.9	16491.1
-10°	2262.2	2987.7	3850.5	4968.8	6103.6	7175.3	8339.5	9735.3	11304.0	13088.9	14961.0
-12.5°	2191.9	2905.1	3694.6	4699.5	5734.7	6704.2	7723.6	8909.4	10269.0	11803.5	13460.7
-15°	2115.7	2811.4	3527.1	4418.9	5362.1	6223.5	7098.2	8081.7	9287.8	10685.8	12115.0
-17.5°	2037.3	2708.5	3351.4	4133.1	4994.3	5740.7	6506.3	7440.4	8521.1	9699.2	10862.5
-20°	1960.4	2597.8	3170.6	3847.8	4637.0	5341.6	6088.3	6909.1	7816.4	8776.4	9701.3



REPORT NUMBER: P731736 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1888.2	2480.8	3003.5	3608.6	4329.9	5005.6	5672.5	6377.7	7129.0	7906.3	8882.3
-25°	1839.7	2368.4	2857.7	3418.7	4041.6	4665.2	5253.5	5859.7	6506.4	7366.2	8270.1
-27.5°	1809.7	2272.8	2729.6	3228.1	3765.7	4329.5	4861.8	5396.6	6117.6	6891.2	7691.1
-30°	1780.1	2177.6	2596.1	3047.8	3537.2	4026.3	4484.6	5088.8	5761.1	6468.8	7180.3
-32.5°	1723.9	2077.7	2474.5	2892.6	3325.0	3748.5	4227.0	4821.1	5437.8	6060.1	6702.2
-35°	1654.1	1989.5	2355.2	2734.7	3122.4	3541.3	4026.5	4549.4	5116.0	5694.9	6328.6
-37.5°	1593.3	1893.6	2231.5	2585.4	2948.7	3361.2	3807.2	4295.9	4812.1	5353.5	5958.6
-40°	1525.7	1790.3	2114.3	2446.3	2787.4	3172.8	3593.0	4037.0	4512.2	5029.8	5572.9
-42.5°	1453.3	1708.2	1993.8	2303.4	2627.8	2980.3	3361.9	3779.4	4222.8	4694.0	5191.4
-45°	1386.0	1619.7	1871.1	2160.3	2460.3	2781.0	3134.8	3509.6	3929.8	4363.6	4811.7
-47.5°	1311.3	1527.5	1765.6	2007.5	2288.5	2584.1	2897.7	3252.4	3623.7	4026.5	4440.2
-50°	1230.7	1435.9	1645.5	1866.9	2112.7	2382.8	2669.3	2988.5	3332.1	3684.0	4056.1
-52.5°	1147.8	1336.4	1526.1	1723.3	1942.6	2182.6	2443.1	2725.6	3034.8	3357.5	3678.7
-55°	1059.4	1233.6	1402.3	1581.7	1772.8	1986.7	2216.8	2468.5	2728.0	3021.9	3304.8
-57.5°	970.1	1123.5	1276.9	1439.7	1610.2	1789.2	1998.8	2212.1	2446.0	2687.6	2923.2
-60°	877.8	1011.6	1148.1	1295.1	1449.1	1611.3	1781.9	1972.3	2170.4	2365.9	2573.5
-62.5°	781.9	899.9	1020.1	1146.1	1284.4	1430.6	1583.1	1741.7	1905.0	2075.1	2242.8
-65°	689.5	789.5	894.3	1004.6	1115.5	1249.4	1384.4	1517.9	1660.7	1798.4	1932.8
-67.5°	595.3	690.2	778.3	864.3	966.6	1081.5	1187.5	1308.5	1428.2	1541.4	1650.9
-70°	517.3	593.3	674.2	752.0	832.6	930.3	1034.3	1130.5	1221.1	1316.0	1418.6
-72.5°	442.2	515.5	583.2	645.4	727.0	818.5	903.8	983.2	1069.5	1159.7	1242.7
-75°	373.5	437.4	503.4	564.7	632.6	712.4	798.4	879.3	952.6	1025.7	1101.2
-77.5°	307.2	355.3	410.9	473.7	541.0	603.2	671.1	744.4	812.9	882.5	956.4
-80°	235.9	270.2	307.9	351.4	401.5	456.3	515.2	577.8	632.6	683.0	732.8
-82.5°	158.7	184.8	211.3	237.9	265.9	295.4	328.0	367.9	403.4	439.1	475.3
-85°	87.9	98.9	117.0	135.3	150.8	167.3	184.6	202.7	219.6	236.1	252.3
-87.5°	51.2	57.0	63.0	69.3	73.5	77.5	81.3	84.9	89.7	94.4	98.9
-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°	31.7	32.2	32.7	33.2	33.7	35.2	36.7	38.2	39.7	39.2	38.7
87.5°	16.1	15.8	15.6	15.3	15.0	16.5	18.0	19.6	21.2	19.5	17.6
85°	30.5	30.7	30.7	30.6	30.4	32.4	34.5	36.5	38.4	35.5	32.3
82.5°	52.3	51.4	49.6	47.1	44.0	43.3	42.5	41.3	39.8	38.1	36.6
80°	77.7	74.0	69.2	63.6	57.3	54.0	50.8	47.3	43.4	42.3	41.4
77.5°	100.1	93.4	85.2	76.3	66.8	61.0	56.2	51.2	46.0	44.9	44.4
75°	114.5	105.8	93.8	81.4	68.6	60.5	54.7	49.1	43.5	41.9	41.1
72.5°	118.9	106.7	92.8	77.2	62.2	52.7	47.3	42.5	38.1	36.3	35.5
70°	111.2	95.0	79.5	64.6	50.8	42.0	38.3	35.0	32.2	30.9	30.4
67.5°	93.9	76.9	62.5	50.0	40.0	33.6	31.4	29.4	27.6	26.5	25.7
65°	71.4	58.1	47.5	39.2	32.8	28.9	27.1	25.4	23.8	22.6	21.7
62.5°	52.4	42.7	36.5	31.7	28.1	25.4	23.7	22.3	21.1	20.2	19.4
60°	39.5	32.8	29.0	26.0	23.6	21.9	20.9	20.0	19.2	18.4	17.6
57.5°	30.2	26.1	23.3	21.9	20.8	20.0	19.2	18.3	17.4	16.5	15.7
55°	23.8	21.8	20.1	19.7	19.3	18.6	17.7	16.9	15.9	14.7	13.8
52.5°	20.0	19.8	19.8	19.5	18.9	18.4	17.8	16.6	15.4	14.1	13.4
50°	19.8	19.9	20.0	19.6	19.1	18.5	18.0	17.1	16.3	15.4	14.9
47.5°	20.6	20.8	22.0	20.1	19.8	20.4	20.0	19.3	19.0	18.6	18.1
45°	24.2	28.4	29.5	27.9	24.5	27.3	26.4	23.3	25.1	24.9	23.3
42.5°	43.1	47.6	51.1	48.9	41.9	44.2	44.2	39.5	40.8	40.9	39.1
40°	82.3	80.7	86.3	84.0	76.4	73.6	76.9	71.4	70.4	73.1	69.8
37.5°	135.4	136.3	133.8	134.1	131.4	124.1	128.4	126.9	122.4	131.0	131.9
35°	211.7	218.3	197.6	205.8	209.3	201.3	206.4	220.8	211.5	231.4	236.9
32.5°	313.9	327.5	317.8	308.3	323.9	336.3	342.1	372.7	380.9	398.9	420.4
30°	439.9	475.2	503.2	485.7	483.7	527.6	553.0	594.1	634.0	657.9	701.7
27.5°	702.0	691.1	757.5	777.1	733.4	803.6	898.9	917.0	1038.4	1048.3	1133.3
25°	1109.4	1103.7	1123.7	1220.1	1244.5	1279.7	1443.2	1529.5	1668.8	1744.1	1809.2
22.5°	1656.5	1811.1	1837.5	1793.3	2004.9	2143.3	2189.0	2437.5	2551.2	2720.9	2771.9
20°	2340.8	2700.5	3154.8	3161.9	3074.8	3473.5	3638.7	3769.4	4047.1	4240.6	4371.8
17.5°	4134.9	4132.1	5060.0	5572.6	5514.6	5801.7	6613.8	6530.0	7186.2	7584.0	7600.8
15°	6767.8	7258.5	7847.3	8777.2	9568.6	10206.6	10977.7	11985.2	12801.1	13759.5	14487.0
12.5°	9780.0	10746.4	11754.2	12814.9	14057.0	15467.5	17001.5	18344.5	19942.0	21340.1	22785.7
10°	12798.0	14328.7	15751.1	17336.3	19101.7	20980.5	23230.3	25195.9	27559.1	29631.8	30994.3
7.5°	15565.4	17401.7	19324.2	21628.4	24092.5	26451.8	28998.7	31755.7	34520.4	36915.2	38948.8
5°	18270.4	20334.7	22465.5	25003.7	27819.6	30775.8	33927.5	37188.1	40085.1	42813.1	45187.5
2.5°	20392.4	22757.0	25191.3	28061.4	31091.0	34087.0	37241.9	40752.0	44121.2	47311.8	49751.2
0°	21653.6	24026.1	26414.4	29455.3	32781.9	36001.4	39518.4	43255.6	46812.3	49863.2	52124.6
-2.5°	21151.2	23462.0	25875.3	28879.6	32084.5	35084.3	38444.6	42064.8	45509.6	48599.5	50946.5
-5°	20015.3	22088.5	24300.7	27078.6	30076.8	33057.1	36351.6	39795.4	42767.2	45509.8	47614.1
-7.5°	18417.9	20330.6	22393.7	24965.6	27722.8	30325.4	33018.3	35796.7	38501.0	40846.7	42578.0
-10°	16721.5	18453.0	20229.0	22291.4	24641.2	26912.8	29185.0	31719.1	33947.9	35884.4	37312.2
-12.5°	15020.3	16442.6	17843.7	19420.7	21437.1	23481.5	25446.7	27571.6	29346.9	30944.5	32214.7
-15°	13387.3	14494.6	15557.7	17084.1	18859.7	20369.5	21578.8	23503.4	24708.5	26128.7	27016.7
-17.5°	11869.4	12753.7	14045.7	15357.8	16624.6	17865.4	19260.6	20400.1	21583.0	22743.0	23506.2
-20°	10675.2	11768.8	12860.9	13928.0	15016.3	16200.7	17305.1	18381.8	19412.7	20304.2	20916.1



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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°	9897.8	10868.7	11788.0	12748.3	13808.3	14802.9	15736.1	16727.6	17609.0	18274.7	18772.5
-25°	9151.4	9995.7	10890.1	11850.8	12747.8	13584.9	14444.2	15209.6	15961.7	16516.0	16981.9
-27.5°	8478.6	9279.6	10160.8	11012.3	11811.8	12594.1	13324.4	13958.4	14585.0	15028.3	15491.6
-30°	7893.3	8704.6	9506.1	10263.0	11014.0	11722.8	12366.7	12968.7	13494.4	13926.2	14314.5
-32.5°	7451.2	8186.9	8900.6	9608.8	10320.6	10974.0	11537.7	12115.9	12599.6	13013.6	13365.3
-35°	7014.1	7705.9	8365.6	9014.5	9669.6	10299.7	10845.4	11348.9	11825.0	12195.5	12517.8
-37.5°	6587.9	7232.9	7843.3	8426.9	9026.3	9607.1	10104.9	10577.9	11003.5	11345.9	11651.7
-40°	6158.5	6749.4	7295.1	7838.9	8377.4	8864.1	9332.0	9767.6	10132.3	10448.0	10726.2
-42.5°	5714.9	6235.1	6727.3	7225.0	7716.9	8147.6	8560.6	8951.9	9262.3	9542.1	9783.0
-45°	5269.6	5727.4	6178.4	6625.4	7030.2	7427.8	7802.2	8132.6	8412.5	8660.2	8869.2
-47.5°	4841.0	5230.1	5642.6	6050.4	6398.1	6738.5	7065.9	7346.1	7589.1	7805.8	7989.7
-50°	4412.6	4759.8	5119.7	5469.6	5788.5	6087.2	6361.7	6606.5	6828.0	7015.3	7173.0
-52.5°	3988.6	4311.0	4618.7	4903.2	5192.9	5467.6	5722.8	5936.8	6131.0	6304.2	6443.2
-55°	3583.8	3868.9	4156.6	4398.8	4633.1	4861.9	5074.4	5265.6	5441.5	5600.6	5725.2
-57.5°	3175.4	3424.1	3664.5	3881.7	4091.9	4293.8	4466.0	4615.8	4756.2	4884.8	4994.7
-60°	2781.3	2988.5	3191.5	3372.9	3548.0	3715.9	3862.6	3990.1	4103.2	4202.8	4292.9
-62.5°	2411.3	2589.4	2751.2	2897.5	3034.5	3171.5	3296.6	3406.9	3502.6	3584.6	3655.1
-65°	2071.1	2218.4	2347.9	2469.1	2582.8	2698.2	2798.6	2889.2	2969.8	3037.6	3091.9
-67.5°	1768.7	1883.9	1991.7	2085.5	2182.3	2280.5	2371.3	2450.6	2519.0	2573.1	2615.3
-70°	1513.6	1606.9	1703.5	1797.1	1889.2	1973.5	2052.1	2122.3	2184.9	2231.5	2268.7
-72.5°	1318.8	1397.5	1486.6	1581.1	1668.5	1752.4	1832.3	1906.6	1975.8	2020.2	2054.9
-75°	1179.0	1260.3	1340.0	1418.6	1496.1	1569.9	1644.3	1720.2	1796.8	1842.0	1878.3
-77.5°	1024.5	1081.4	1140.7	1204.9	1273.2	1339.5	1404.2	1468.2	1530.8	1562.3	1586.2
-80°	785.4	830.9	875.5	920.6	966.0	1012.6	1059.6	1106.2	1152.0	1173.2	1189.0
-82.5°	511.9	543.2	572.8	601.4	628.7	652.1	673.8	694.1	712.8	722.0	728.2
-85°	268.1	281.9	294.9	307.1	318.6	325.8	331.9	337.1	341.4	347.1	352.0
-87.5°	103.2	107.1	110.9	114.6	118.2	120.0	121.6	122.9	124.0	125.9	127.6
-90°	7.9	7.4	7.0	6.5	6.0	5.5	5.0	4.5	4.0	4.0	4.0



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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°	38.2	37.7	38.7	39.7	38.7	37.7	38.2	38.7	39.2	39.7	38.2
87.5°	15.8	13.9	12.9	11.9	12.9	13.9	15.8	17.6	19.5	21.2	19.6
85°	29.1	25.7	23.8	21.8	23.8	25.7	29.1	32.3	35.5	38.4	36.5
82.5°	35.1	33.6	33.7	33.7	33.7	33.6	35.1	36.6	38.1	39.8	41.3
80°	40.5	39.6	39.7	39.7	39.7	39.6	40.5	41.4	42.3	43.4	47.3
77.5°	44.0	43.5	42.7	41.7	42.7	43.5	44.0	44.4	44.9	46.0	51.2
75°	40.5	39.8	39.7	39.7	39.7	39.8	40.5	41.1	41.9	43.5	49.1
72.5°	34.6	33.9	33.7	33.7	33.7	33.9	34.6	35.5	36.3	38.1	42.5
70°	30.1	29.9	28.9	27.8	28.9	29.9	30.1	30.4	30.9	32.2	35.0
67.5°	24.9	24.1	23.8	23.8	23.8	24.1	24.9	25.7	26.5	27.6	29.4
65°	20.8	20.1	19.8	19.8	19.8	20.1	20.8	21.7	22.6	23.8	25.4
62.5°	18.8	18.1	17.1	15.9	17.1	18.1	18.8	19.4	20.2	21.1	22.3
60°	16.9	16.2	15.1	13.9	15.1	16.2	16.9	17.6	18.4	19.2	20.0
57.5°	14.9	14.2	13.9	13.9	13.9	14.2	14.9	15.7	16.5	17.4	18.3
55°	13.0	12.2	11.9	11.9	11.9	12.2	13.0	13.8	14.7	15.9	16.9
52.5°	12.8	12.2	11.9	11.9	11.9	12.2	12.8	13.4	14.1	15.4	16.6
50°	14.5	14.1	13.9	13.9	13.9	14.1	14.5	14.9	15.4	16.3	17.1
47.5°	17.4	16.4	15.9	15.9	15.9	16.4	17.4	18.1	18.6	19.0	19.3
45°	22.9	22.1	21.7	21.8	21.7	22.1	22.9	23.3	24.9	25.1	23.3
42.5°	39.5	38.4	36.8	35.7	36.8	38.4	39.5	39.1	40.9	40.8	39.5
40°	70.0	68.5	66.2	65.5	66.2	68.5	70.0	69.8	73.1	70.4	71.4
37.5°	133.7	132.7	128.4	127.0	128.4	132.7	133.7	131.9	131.0	122.4	126.9
35°	236.4	238.2	234.2	234.1	234.2	238.2	236.4	236.9	231.4	211.5	220.8
32.5°	427.5	432.1	420.0	426.5	420.0	432.1	427.5	420.4	398.9	380.9	372.7
30°	700.3	715.9	709.0	712.1	709.0	715.9	700.3	701.7	657.9	634.0	594.1
27.5°	1141.6	1153.2	1129.2	1120.8	1129.2	1153.2	1141.6	1133.3	1048.3	1038.4	917.0
25°	1845.9	1853.3	1829.7	1838.9	1829.7	1853.3	1845.9	1809.2	1744.1	1668.8	1529.5
22.5°	2875.5	2847.9	2821.8	2797.0	2821.8	2847.9	2875.5	2771.9	2720.9	2551.2	2437.5
20°	4493.7	4430.2	4421.7	4374.0	4421.7	4430.2	4493.7	4371.8	4240.6	4047.1	3769.4
17.5°	8006.4	8121.6	7865.9	7371.3	7865.9	8121.6	8006.4	7600.8	7584.0	7186.2	6530.0
15°	14915.5	15456.8	15689.3	15121.4	15689.3	15456.8	14915.5	14487.0	13759.5	12801.1	11985.2
12.5°	23583.7	23964.8	24426.4	24089.6	24426.4	23964.8	23583.7	22785.7	21340.1	19942.0	18344.5
10°	32164.8	32735.3	33434.0	33119.1	33434.0	32735.3	32164.8	30994.3	29631.8	27559.1	25195.9
7.5°	40067.9	41050.9	41664.7	41270.0	41664.7	41050.9	40067.9	38948.8	36915.2	34520.4	31755.7
5°	46812.6	47589.8	47959.9	47857.7	47959.9	47589.8	46812.6	45187.5	42813.1	40085.1	37188.1
2.5°	51138.1	51958.5	52290.0	52014.5	52290.0	51958.5	51138.1	49751.2	47311.8	44121.2	40752.0
0°	53252.2	54020.9	54548.6	54590.3	54548.6	54020.9	53252.2	52124.6	49863.2	46812.3	43255.6
-2.5°	52030.5	52497.7	52750.0	52581.8	52750.0	52497.7	52030.5	50946.5	48599.5	45509.6	42064.8
-5°	48830.7	49324.7	49485.0	49680.7	49485.0	49324.7	48830.7	47614.1	45509.8	42767.2	39795.4
-7.5°	43551.9	44093.9	44493.4	44476.6	44493.4	44093.9	43551.9	42578.0	40846.7	38501.0	35796.7
-10°	38374.2	38776.9	39193.6	39123.7	39193.6	38776.9	38374.2	37312.2	35884.4	33947.9	31719.1
-12.5°	33242.9	33914.6	34077.7	34028.7	34077.7	33914.6	33242.9	32214.7	30944.5	29346.9	27571.6
-15°	28027.7	28525.4	28484.6	28352.4	28484.6	28525.4	28027.7	27016.7	26128.7	24708.5	23503.4
-17.5°	24166.7	24441.1	24546.0	24442.6	24546.0	24441.1	24166.7	23506.2	22743.0	21583.0	20400.1
-20°	21419.2	21631.3	21702.7	21750.8	21702.7	21631.3	21419.2	20916.1	20304.2	19412.7	18381.8



REPORT NUMBER: P731736 (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°	19201.3	19417.9	19480.7	19562.8	19480.7	19417.9	19201.3	18772.5	18274.7	17609.0	16727.6
-25°	17341.3	17553.0	17624.5	17706.1	17624.5	17553.0	17341.3	16981.9	16516.0	15961.7	15209.6
-27.5°	15802.3	16008.9	16094.9	16156.9	16094.9	16008.9	15802.3	15491.6	15028.3	14585.0	13958.4
-30°	14590.3	14793.8	14916.9	14956.8	14916.9	14793.8	14590.3	14314.5	13926.2	13494.4	12968.7
-32.5°	13628.7	13806.4	13922.1	13980.8	13922.1	13806.4	13628.7	13365.3	13013.6	12599.6	12115.9
-35°	12772.4	12950.7	13070.8	13131.8	13070.8	12950.7	12772.4	12517.8	12195.5	11825.0	11348.9
-37.5°	11896.6	12090.9	12217.9	12221.3	12217.9	12090.9	11896.6	11651.7	11345.9	11003.5	10577.9
-40°	10930.4	11084.4	11185.3	11225.5	11185.3	11084.4	10930.4	10726.2	10448.0	10132.3	9767.6
-42.5°	9961.3	10092.1	10173.8	10207.9	10173.8	10092.1	9961.3	9783.0	9542.1	9262.3	8951.9
-45°	9036.1	9167.9	9236.1	9226.0	9236.1	9167.9	9036.1	8869.2	8660.2	8412.5	8132.6
-47.5°	8131.0	8233.3	8289.1	8301.6	8289.1	8233.3	8131.0	7989.7	7805.8	7589.1	7346.1
-50°	7307.0	7415.4	7461.7	7448.6	7461.7	7415.4	7307.0	7173.0	7015.3	6828.0	6606.5
-52.5°	6557.7	6649.8	6689.8	6684.9	6689.8	6649.8	6557.7	6443.2	6304.2	6131.0	5936.8
-55°	5827.1	5906.8	5938.5	5933.1	5938.5	5906.8	5827.1	5725.2	5600.6	5441.5	5265.6
-57.5°	5085.8	5157.5	5178.7	5165.4	5178.7	5157.5	5085.8	4994.7	4884.8	4756.2	4615.8
-60°	4367.7	4426.7	4445.0	4437.4	4445.0	4426.7	4367.7	4292.9	4202.8	4103.2	3990.1
-62.5°	3713.4	3759.0	3777.7	3778.9	3777.7	3759.0	3713.4	3655.1	3584.6	3502.6	3406.9
-65°	3136.0	3169.8	3184.8	3187.7	3184.8	3169.8	3136.0	3091.9	3037.6	2969.8	2889.2
-67.5°	2649.3	2675.7	2684.9	2685.9	2684.9	2675.7	2649.3	2615.3	2573.1	2519.0	2450.6
-70°	2301.9	2331.4	2343.6	2350.6	2343.6	2331.4	2301.9	2268.7	2231.5	2184.9	2122.3
-72.5°	2087.3	2117.6	2131.8	2142.4	2131.8	2117.6	2087.3	2054.9	2020.2	1975.8	1906.6
-75°	1912.7	1944.8	1954.9	1959.9	1954.9	1944.8	1912.7	1878.3	1842.0	1796.8	1720.2
-77.5°	1606.9	1624.2	1630.7	1632.6	1630.7	1624.2	1606.9	1586.2	1562.3	1530.8	1468.2
-80°	1201.5	1210.6	1227.9	1241.8	1227.9	1210.6	1201.5	1189.0	1173.2	1152.0	1106.2
-82.5°	732.1	733.6	743.7	751.8	743.7	733.6	732.1	728.2	722.0	712.8	694.1
-85°	356.1	359.2	367.5	374.9	367.5	359.2	356.1	352.0	347.1	341.4	337.1
-87.5°	129.1	130.5	129.8	128.9	129.8	130.5	129.1	127.6	125.9	124.0	122.9
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	36.7	35.2	33.7	33.2	32.7	32.2	31.7	29.2	26.8	24.3	21.8
87.5°	18.0	16.5	15.0	15.3	15.6	15.8	16.1	15.0	14.0	13.1	12.2
85°	34.5	32.4	30.4	30.6	30.7	30.7	30.5	29.7	28.5	27.1	25.4
82.5°	42.5	43.3	44.0	47.1	49.6	51.4	52.3	52.0	51.0	49.3	46.8
80°	50.8	54.0	57.3	63.6	69.2	74.0	77.7	79.1	79.9	79.6	77.0
77.5°	56.2	61.0	66.8	76.3	85.2	93.4	100.1	103.4	104.8	105.5	102.6
75°	54.7	60.5	68.6	81.4	93.8	105.8	114.5	119.7	124.0	127.1	124.1
72.5°	47.3	52.7	62.2	77.2	92.8	106.7	118.9	129.1	137.8	144.7	140.3
70°	38.3	42.0	50.8	64.6	79.5	95.0	111.2	127.9	145.0	156.8	149.8
67.5°	31.4	33.6	40.0	50.0	62.5	76.9	93.9	113.2	131.6	149.4	147.7
65°	27.1	28.9	32.8	39.2	47.5	58.1	71.4	88.1	108.0	128.3	131.2
62.5°	23.7	25.4	28.1	31.7	36.5	42.7	52.4	66.2	82.6	96.6	103.7
60°	20.9	21.9	23.6	26.0	29.0	32.8	39.5	48.5	59.7	71.3	78.7
57.5°	19.2	20.0	20.8	21.9	23.3	26.1	30.2	35.1	44.2	51.5	57.8
55°	17.7	18.6	19.3	19.7	20.1	21.8	23.8	27.4	32.7	37.0	44.4
52.5°	17.8	18.4	18.9	19.5	19.8	19.8	20.0	22.4	25.8	30.6	34.8
50°	18.0	18.5	19.1	19.6	20.0	19.9	19.8	19.9	22.9	26.6	30.2
47.5°	20.0	20.4	19.8	20.1	22.0	20.8	20.6	22.0	24.8	24.9	28.2
45°	26.4	27.3	24.5	27.9	29.5	28.4	24.2	29.7	31.2	30.6	27.6
42.5°	44.2	44.2	41.9	48.9	51.1	47.6	43.1	47.4	45.5	41.0	46.2
40°	76.9	73.6	76.4	84.0	86.3	80.7	82.3	76.8	71.6	60.4	78.5
37.5°	128.4	124.1	131.4	134.1	133.8	136.3	135.4	124.0	108.0	117.2	131.4
35°	206.4	201.3	209.3	205.8	197.6	218.3	211.7	186.1	173.3	187.7	197.1
32.5°	342.1	336.3	323.9	308.3	317.8	327.5	313.9	276.0	281.5	281.4	271.1
30°	553.0	527.6	483.7	485.7	503.2	475.2	439.9	453.1	434.3	395.7	357.8
27.5°	898.9	803.6	733.4	777.1	757.5	691.1	702.0	682.3	619.0	547.5	495.9
25°	1443.2	1279.7	1244.5	1220.1	1123.7	1103.7	1109.4	1017.1	867.2	763.4	833.9
22.5°	2189.0	2143.3	2004.9	1793.3	1837.5	1811.1	1656.5	1446.1	1290.2	1403.1	1313.1
20°	3638.7	3473.5	3074.8	3161.9	3154.8	2700.5	2340.8	2369.4	2459.6	2262.7	1915.0
17.5°	6613.8	5801.7	5514.6	5572.6	5060.0	4132.1	4134.9	4179.0	3870.0	3295.2	2620.0
15°	10977.7	10206.6	9568.6	8777.2	7847.3	7258.5	6767.8	6308.4	5521.2	4537.9	3646.6
12.5°	17001.5	15467.5	14057.0	12814.9	11754.2	10746.4	9780.0	8744.9	7462.6	6236.0	5207.8
10°	23230.3	20980.5	19101.7	17336.3	15751.1	14328.7	12798.0	11222.0	9610.4	8082.1	6769.2
7.5°	28998.7	26451.8	24092.5	21628.4	19324.2	17401.7	15565.4	13668.7	11725.8	9909.2	8316.0
5°	33927.5	30775.8	27819.6	25003.7	22465.5	20334.7	18270.4	16074.5	13784.8	11695.2	9827.1
2.5°	37241.9	34087.0	31091.0	28061.4	25191.3	22757.0	20392.4	17879.5	15231.3	12767.7	10660.4
0°	39518.4	36001.4	32781.9	29455.3	26414.4	24026.1	21653.6	19106.6	16323.5	13619.8	11423.9
-2.5°	38444.6	35084.3	32084.5	28879.6	25875.3	23462.0	21151.2	18834.7	16104.9	13527.1	11409.4
-5°	36351.6	33057.1	30076.8	27078.6	24300.7	22088.5	20015.3	17971.1	15525.5	13232.5	11308.5
-7.5°	33018.3	30325.4	27722.8	24965.6	22393.7	20330.6	18417.9	16491.1	14337.9	12296.9	10542.6
-10°	29185.0	26912.8	24641.2	22291.4	20229.0	18453.0	16721.5	14961.0	13088.9	11304.0	9735.3
-12.5°	25446.7	23481.5	21437.1	19420.7	17843.7	16442.6	15020.3	13460.7	11803.5	10269.0	8909.4
-15°	21578.8	20369.5	18859.7	17084.1	15557.7	14494.6	13387.3	12115.0	10685.8	9287.8	8081.7
-17.5°	19260.6	17865.4	16624.6	15357.8	14045.7	12753.7	11869.4	10862.5	9699.2	8521.1	7440.4
-20°	17305.1	16200.7	15016.3	13928.0	12860.9	11768.8	10675.2	9701.3	8776.4	7816.4	6909.1



REPORT NUMBER: P731736 (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°
-22.5°	15736.1	14802.9	13808.3	12748.3	11788.0	10868.7	9897.8	8882.3	7906.3	7129.0	6377.7
-25°	14444.2	13584.9	12747.8	11850.8	10890.1	9995.7	9151.4	8270.1	7366.2	6506.4	5859.7
-27.5°	13324.4	12594.1	11811.8	11012.3	10160.8	9279.6	8478.6	7691.1	6891.2	6117.6	5396.6
-30°	12366.7	11722.8	11014.0	10263.0	9506.1	8704.6	7893.3	7180.3	6468.8	5761.1	5088.8
-32.5°	11537.7	10974.0	10320.6	9608.8	8900.6	8186.9	7451.2	6702.2	6060.1	5437.8	4821.1
-35°	10845.4	10299.7	9669.6	9014.5	8365.6	7705.9	7014.1	6328.6	5694.9	5116.0	4549.4
-37.5°	10104.9	9607.1	9026.3	8426.9	7843.3	7232.9	6587.9	5958.6	5353.5	4812.1	4295.9
-40°	9332.0	8864.1	8377.4	7838.9	7295.1	6749.4	6158.5	5572.9	5029.8	4512.2	4037.0
-42.5°	8560.6	8147.6	7716.9	7225.0	6727.3	6235.1	5714.9	5191.4	4694.0	4222.8	3779.4
-45°	7802.2	7427.8	7030.2	6625.4	6178.4	5727.4	5269.6	4811.7	4363.6	3929.8	3509.6
-47.5°	7065.9	6738.5	6398.1	6050.4	5642.6	5230.1	4841.0	4440.2	4026.5	3623.7	3252.4
-50°	6361.7	6087.2	5788.5	5469.6	5119.7	4759.8	4412.6	4056.1	3684.0	3332.1	2988.5
-52.5°	5722.8	5467.6	5192.9	4903.2	4618.7	4311.0	3988.6	3678.7	3357.5	3034.8	2725.6
-55°	5074.4	4861.9	4633.1	4398.8	4156.6	3868.9	3583.8	3304.8	3021.9	2728.0	2468.5
-57.5°	4466.0	4293.8	4091.9	3881.7	3664.5	3424.1	3175.4	2923.2	2687.6	2446.0	2212.1
-60°	3862.6	3715.9	3548.0	3372.9	3191.5	2988.5	2781.3	2573.5	2365.9	2170.4	1972.3
-62.5°	3296.6	3171.5	3034.5	2897.5	2751.2	2589.4	2411.3	2242.8	2075.1	1905.0	1741.7
-65°	2798.6	2698.2	2582.8	2469.1	2347.9	2218.4	2071.1	1932.8	1798.4	1660.7	1517.9
-67.5°	2371.3	2280.5	2182.3	2085.5	1991.7	1883.9	1768.7	1650.9	1541.4	1428.2	1308.5
-70°	2052.1	1973.5	1889.2	1797.1	1703.5	1606.9	1513.6	1418.6	1316.0	1221.1	1130.5
-72.5°	1832.3	1752.4	1668.5	1581.1	1486.6	1397.5	1318.8	1242.7	1159.7	1069.5	983.2
-75°	1644.3	1569.9	1496.1	1418.6	1340.0	1260.3	1179.0	1101.2	1025.7	952.6	879.3
-77.5°	1404.2	1339.5	1273.2	1204.9	1140.7	1081.4	1024.5	956.4	882.5	812.9	744.4
-80°	1059.6	1012.6	966.0	920.6	875.5	830.9	785.4	732.8	683.0	632.6	577.8
-82.5°	673.8	652.1	628.7	601.4	572.8	543.2	511.9	475.3	439.1	403.4	367.9
-85°	331.9	325.8	318.6	307.1	294.9	281.9	268.1	252.3	236.1	219.6	202.7
-87.5°	121.6	120.0	118.2	114.6	110.9	107.1	103.2	98.9	94.4	89.7	84.9
-90°	5.0	5.5	6.0	6.5	7.0	7.4	7.9	7.9	7.9	7.9	7.9



REPORT NUMBER: P731736 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	20.3	18.9	17.4	15.9	15.4	14.9	14.4	13.9	13.4	12.9	12.4
87.5°	13.3	14.3	15.2	15.9	14.8	13.9	13.0	12.1	12.3	12.3	12.2
85°	24.8	24.4	24.3	24.4	22.3	19.8	18.0	16.4	16.7	16.8	16.6
82.5°	42.1	39.0	36.6	34.7	33.6	31.7	29.1	25.8	22.9	21.4	21.0
80°	69.0	61.5	54.7	48.8	45.5	43.8	41.5	37.9	31.9	27.6	25.0
77.5°	92.7	83.4	74.7	65.9	58.5	53.0	49.8	47.5	40.5	33.6	28.7
75°	113.3	101.7	90.7	79.9	69.8	61.6	55.2	50.4	44.5	38.9	32.2
72.5°	127.5	115.5	104.2	92.0	78.7	67.8	59.4	53.1	46.8	40.7	34.9
70°	137.6	126.3	114.0	100.2	86.2	73.1	62.3	55.1	48.9	42.5	36.4
67.5°	143.8	131.0	119.3	106.8	92.4	78.1	64.8	56.8	50.5	44.1	37.7
65°	128.5	125.8	121.9	108.5	95.7	82.7	68.5	59.0	51.9	45.4	38.9
62.5°	109.0	111.3	109.4	106.1	96.3	83.9	72.0	62.4	53.6	46.6	39.9
60°	85.1	91.4	95.5	94.6	91.6	83.6	73.2	65.5	56.1	47.7	40.9
57.5°	65.9	72.1	78.7	82.5	81.9	78.8	73.5	66.7	58.4	49.4	41.9
55°	50.0	57.2	64.2	69.7	72.2	70.7	71.8	66.9	60.0	51.0	43.2
52.5°	40.2	46.1	52.5	58.7	62.7	64.0	66.8	67.0	60.1	52.4	45.1
50°	34.0	40.6	45.0	49.7	54.5	58.7	62.4	63.7	60.0	53.2	47.0
47.5°	34.0	40.5	43.1	43.7	47.7	53.9	58.4	60.5	59.8	53.0	48.9
45°	41.2	45.8	45.9	44.6	43.9	51.0	54.7	57.7	57.5	54.2	50.8
42.5°	55.4	59.0	54.8	47.4	52.1	50.1	51.6	55.0	55.5	55.7	52.4
40°	85.2	80.0	69.2	68.1	68.6	51.3	52.0	52.6	54.1	57.0	53.8
37.5°	123.8	112.8	94.4	100.6	93.5	72.0	54.1	50.7	55.5	58.1	55.4
35°	185.4	156.6	146.0	145.1	130.1	98.0	57.4	51.0	58.0	59.7	57.0
32.5°	258.9	233.4	222.4	198.9	173.3	129.1	75.0	61.0	61.7	61.7	58.8
30°	355.1	366.3	315.0	258.4	223.5	170.1	112.2	73.5	66.7	64.2	60.6
27.5°	546.6	528.7	428.8	342.4	279.5	220.9	175.8	88.4	73.0	67.5	62.5
25°	798.8	725.1	586.4	442.6	339.1	374.5	255.8	107.0	83.5	72.3	64.6
22.5°	1139.1	957.4	763.5	551.8	571.1	569.3	366.4	167.8	96.8	77.7	66.9
20°	1535.1	1221.6	1028.5	954.5	861.4	777.5	515.5	237.1	111.2	83.7	69.4
17.5°	1998.1	1798.4	1693.0	1446.7	1197.5	1004.9	686.8	313.3	126.4	90.1	72.0
15°	3112.2	2766.3	2432.5	1989.6	1560.9	1247.8	875.3	394.3	142.2	96.8	79.2
12.5°	4395.2	3778.3	3229.3	2571.4	1944.9	1502.2	1075.8	478.0	158.2	112.4	92.7
10°	5703.3	4820.5	4066.8	3179.2	2342.0	1763.5	1282.4	571.5	195.9	135.1	106.6
7.5°	7019.0	5877.4	4926.3	3798.9	2733.3	2019.2	1501.2	682.9	237.4	158.2	120.7
5°	8217.5	6769.4	5623.8	4297.3	3059.6	2260.5	1713.2	790.0	278.9	181.2	134.9
2.5°	8929.7	7379.2	6189.8	4753.3	3368.6	2491.6	1910.9	889.9	319.7	204.0	149.0
0°	9583.0	7946.5	6712.7	5173.4	3655.9	2709.7	2088.8	979.9	359.0	226.1	162.7
-2.5°	9531.5	7956.8	6699.7	5236.0	3785.4	2823.5	2166.0	1090.2	468.1	305.2	214.8
-5°	9421.6	7919.7	6643.5	5258.6	3887.4	2919.6	2220.5	1188.0	573.4	382.2	265.6
-7.5°	8935.3	7628.9	6460.0	5220.1	3961.1	2996.0	2255.0	1273.6	673.7	456.0	314.4
-10°	8339.5	7175.3	6103.6	4968.8	3850.5	2987.7	2262.2	1347.2	767.6	525.5	360.4
-12.5°	7723.6	6704.2	5734.7	4699.5	3694.6	2905.1	2191.9	1377.1	850.4	589.8	403.0
-15°	7098.2	6223.5	5362.1	4418.9	3527.1	2811.4	2115.7	1383.6	900.7	642.3	441.5
-17.5°	6506.3	5740.7	4994.3	4133.1	3351.4	2708.5	2037.3	1383.8	944.6	682.3	474.9
-20°	6088.3	5341.6	4637.0	3847.8	3170.6	2597.8	1960.4	1378.8	981.7	717.6	503.9



REPORT NUMBER: P731736 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-7F-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5672.5	5005.6	4329.9	3608.6	3003.5	2480.8	1888.2	1369.7	1011.6	747.9	528.8
-25°	5253.5	4665.2	4041.6	3418.7	2857.7	2368.4	1839.7	1357.6	1034.2	772.8	549.2
-27.5°	4861.8	4329.5	3765.7	3228.1	2729.6	2272.8	1809.7	1376.2	1052.8	792.3	565.1
-30°	4484.6	4026.3	3537.2	3047.8	2596.1	2177.6	1780.1	1387.2	1071.3	807.8	576.1
-32.5°	4227.0	3748.5	3325.0	2892.6	2474.5	2077.7	1723.9	1388.6	1082.7	818.1	585.9
-35°	4026.5	3541.3	3122.4	2734.7	2355.2	1989.5	1654.1	1380.6	1086.8	821.8	592.4
-37.5°	3807.2	3361.2	2948.7	2585.4	2231.5	1893.6	1593.3	1335.4	1083.6	819.0	594.2
-40°	3593.0	3172.8	2787.4	2446.3	2114.3	1790.3	1525.7	1288.2	1073.6	809.4	591.4
-42.5°	3361.9	2980.3	2627.8	2303.4	1993.8	1708.2	1453.3	1234.4	1030.0	798.6	583.9
-45°	3134.8	2781.0	2460.3	2160.3	1871.1	1619.7	1386.0	1174.4	978.0	784.3	572.6
-47.5°	2897.7	2584.1	2288.5	2007.5	1765.6	1527.5	1311.3	1110.6	921.6	763.4	557.5
-50°	2669.3	2382.8	2112.7	1866.9	1645.5	1435.9	1230.7	1041.7	869.4	718.2	537.4
-52.5°	2443.1	2182.6	1942.6	1723.3	1526.1	1336.4	1147.8	968.7	812.5	670.4	512.5
-55°	2216.8	1986.7	1772.8	1581.7	1402.3	1233.6	1059.4	898.0	751.1	619.9	483.3
-57.5°	1998.8	1789.2	1610.2	1439.7	1276.9	1123.5	970.1	822.2	688.6	566.5	452.3
-60°	1781.9	1611.3	1449.1	1295.1	1148.1	1011.6	877.8	743.7	623.7	511.6	411.0
-62.5°	1583.1	1430.6	1284.4	1146.1	1020.1	899.9	781.9	665.8	555.7	459.7	365.7
-65°	1384.4	1249.4	1115.5	1004.6	894.3	789.5	689.5	584.6	493.4	406.3	321.7
-67.5°	1187.5	1081.5	966.6	864.3	778.3	690.2	595.3	511.5	431.7	351.6	283.3
-70°	1034.3	930.3	832.6	752.0	674.2	593.3	517.3	441.3	368.6	307.5	244.2
-72.5°	903.8	818.5	727.0	645.4	583.2	515.5	442.2	373.5	319.3	263.0	204.5
-75°	798.4	712.4	632.6	564.7	503.4	437.4	373.5	319.7	269.8	217.9	169.0
-77.5°	671.1	603.2	541.0	473.7	410.9	355.3	307.2	265.4	218.5	173.7	134.1
-80°	515.2	456.3	401.5	351.4	307.9	270.2	235.9	201.2	162.9	128.5	98.3
-82.5°	328.0	295.4	265.9	237.9	211.3	184.8	158.7	132.8	106.0	82.3	67.9
-85°	184.6	167.3	150.8	135.3	117.0	98.9	87.9	77.4	67.5	58.2	49.5
-87.5°	81.3	77.5	73.5	69.3	63.0	57.0	51.2	45.7	40.5	35.6	31.0
-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: P731736 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.9	11.4	10.9	10.4	9.9	8.9	7.9
87.5°	12.0	11.0	10.1	9.4	8.8	8.2	7.9
85°	16.1	14.1	12.4	10.9	9.6	8.6	7.9
82.5°	20.2	17.2	14.6	12.4	10.5	8.9	7.9
80°	23.9	20.2	16.8	13.8	11.3	9.3	7.9
77.5°	25.8	22.5	18.9	15.3	12.2	9.6	7.9
75°	27.5	23.5	20.7	16.7	13.0	10.0	7.9
72.5°	29.1	24.4	21.1	18.0	13.8	10.3	7.9
70°	30.5	25.2	21.4	19.1	14.6	10.6	7.9
67.5°	31.7	25.8	21.6	19.0	15.3	10.9	7.9
65°	32.9	26.7	21.7	18.9	16.0	11.2	7.9
62.5°	34.1	27.8	21.7	18.7	16.7	11.5	7.9
60°	35.2	28.9	21.7	18.5	17.4	11.8	7.9
57.5°	36.5	29.9	22.6	18.3	17.2	12.0	7.9
55°	37.9	30.9	23.5	18.0	17.0	12.3	7.9
52.5°	39.3	32.0	24.3	17.6	16.9	12.5	7.9
50°	40.8	33.3	25.1	17.2	16.8	12.7	7.9
47.5°	42.4	34.7	25.9	17.0	16.7	12.9	7.9
45°	44.0	36.1	26.7	17.6	16.6	13.1	7.9
42.5°	45.7	37.4	27.4	18.1	16.6	13.3	7.9
40°	47.3	38.8	28.3	18.9	16.5	13.5	7.9
37.5°	48.9	40.2	29.3	20.0	16.5	13.6	7.9
35°	50.5	41.5	30.3	21.0	16.6	13.8	7.9
32.5°	52.0	42.7	31.3	22.1	16.6	13.9	7.9
30°	53.4	43.9	32.2	23.2	16.6	14.0	7.9
27.5°	54.8	45.0	34.2	24.2	16.7	14.0	7.9
25°	56.2	46.0	36.3	25.3	16.8	14.1	7.9
22.5°	57.6	47.8	38.5	26.3	16.9	14.2	7.9
20°	59.0	51.5	40.6	27.3	17.0	14.2	7.9
17.5°	64.1	55.4	42.7	28.3	17.1	14.2	7.9
15°	71.8	59.5	44.8	29.2	17.2	14.2	7.9
12.5°	79.8	63.6	46.8	30.1	17.3	14.2	7.9
10°	88.1	67.7	48.8	31.0	17.5	14.2	7.9
7.5°	96.5	71.8	50.7	31.8	17.6	14.1	7.9
5°	104.9	75.8	52.4	32.5	17.7	14.1	7.9
2.5°	113.1	79.7	54.0	33.1	17.8	14.0	7.9
0°	121.0	83.3	55.5	33.7	17.9	13.9	7.9
-2.5°	152.6	101.4	64.8	37.8	19.3	14.2	7.9
-5°	183.3	119.0	73.9	41.8	20.6	14.5	7.9
-7.5°	212.8	135.9	82.6	45.6	21.9	14.7	7.9
-10°	240.6	151.8	90.8	49.2	23.2	15.0	7.9
-12.5°	266.4	166.6	98.4	52.6	24.4	15.2	7.9
-15°	289.8	180.1	105.4	55.6	25.5	15.4	7.9
-17.5°	310.4	192.1	111.5	58.3	26.6	15.6	7.9
-20°	329.8	202.4	116.8	60.6	27.5	15.8	7.9



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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	349.4	210.8	121.2	62.5	28.4	15.9	7.9
-25°	366.0	221.5	124.5	64.0	29.2	16.0	7.9
-27.5°	379.6	231.9	126.8	65.0	29.8	16.1	7.9
-30°	390.0	240.1	128.4	65.5	30.3	16.2	7.9
-32.5°	397.1	245.8	132.5	65.5	30.7	16.2	7.9
-35°	402.6	249.0	135.2	65.0	31.0	16.2	7.9
-37.5°	405.3	250.5	136.2	63.9	31.1	16.1	7.9
-40°	404.3	251.0	135.7	62.3	31.1	16.1	7.9
-42.5°	399.5	249.0	134.7	60.8	30.9	16.0	7.9
-45°	391.0	244.3	133.4	59.8	30.6	15.8	7.9
-47.5°	378.8	237.1	130.8	58.0	30.2	15.7	7.9
-50°	365.4	227.4	126.7	57.4	29.6	15.5	7.9
-52.5°	348.8	215.2	121.3	56.8	28.9	15.2	7.9
-55°	328.8	204.2	114.5	55.6	28.0	15.0	7.9
-57.5°	305.4	192.0	106.5	53.9	27.0	14.7	7.9
-60°	279.5	177.7	97.4	51.6	25.9	14.3	7.9
-62.5°	256.5	161.7	91.4	48.7	25.0	14.0	7.9
-65°	231.1	143.9	84.6	45.3	23.9	13.6	7.9
-67.5°	203.4	127.7	76.8	41.5	22.7	13.2	7.9
-70°	173.5	113.4	68.3	37.3	21.5	12.8	7.9
-72.5°	149.2	97.9	59.0	34.1	20.2	12.4	7.9
-75°	124.6	81.5	49.1	31.1	18.9	11.9	7.9
-77.5°	98.7	64.2	42.5	27.9	17.5	11.4	7.9
-80°	71.8	51.7	36.5	24.6	16.0	10.9	7.9
-82.5°	56.0	41.9	30.3	21.1	14.5	10.4	7.9
-85°	41.5	31.9	23.9	17.6	13.0	9.9	7.9
-87.5°	26.8	21.7	17.4	14.0	11.5	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

