

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: P731470 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-7F-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731470 (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-08-0530N-40-70-7F-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

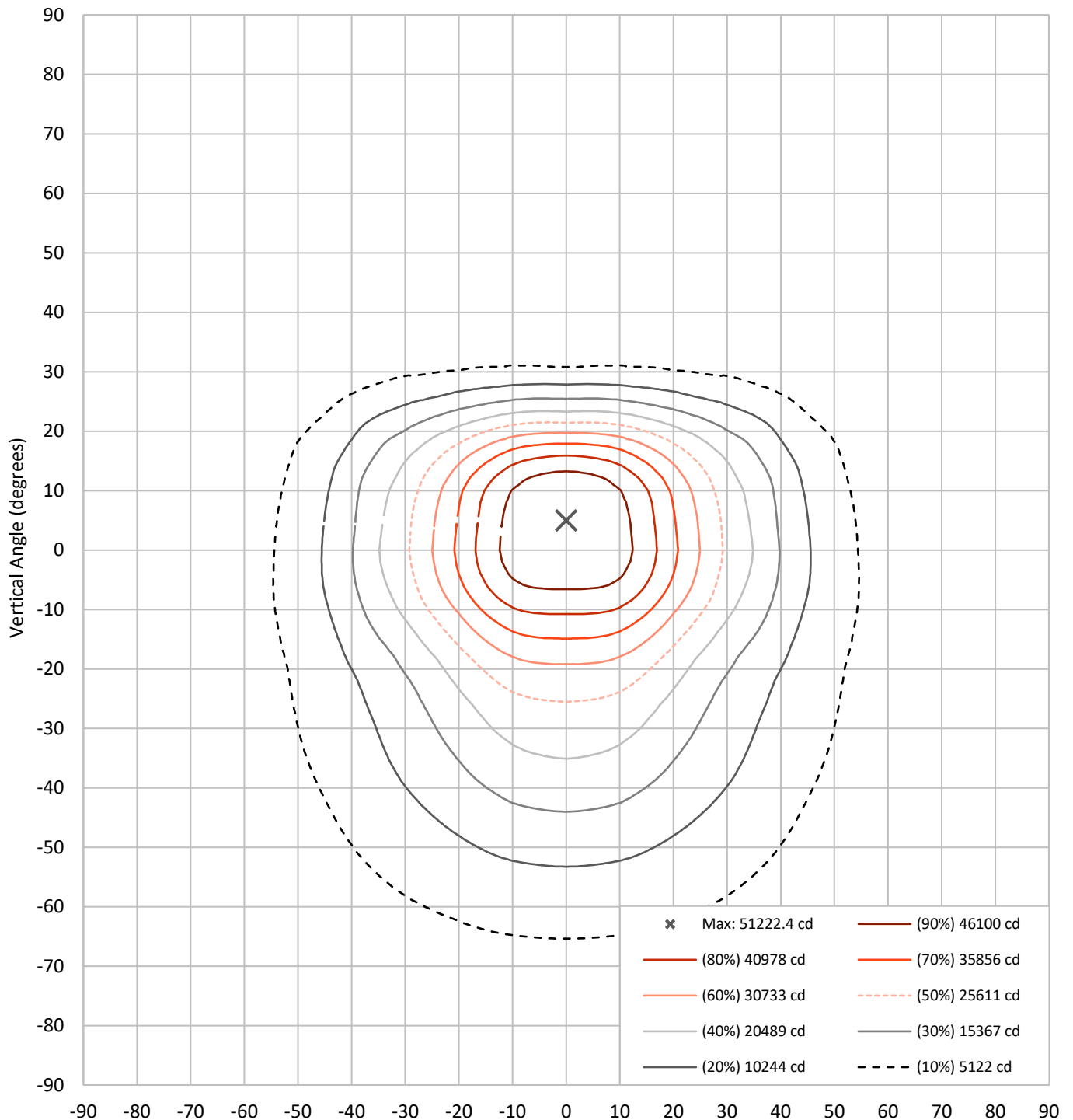
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	50189.4 lumens	Max Intensity:	51222.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	89.6 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:	24140 lumens	Field Lumens:	46527 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 559.9
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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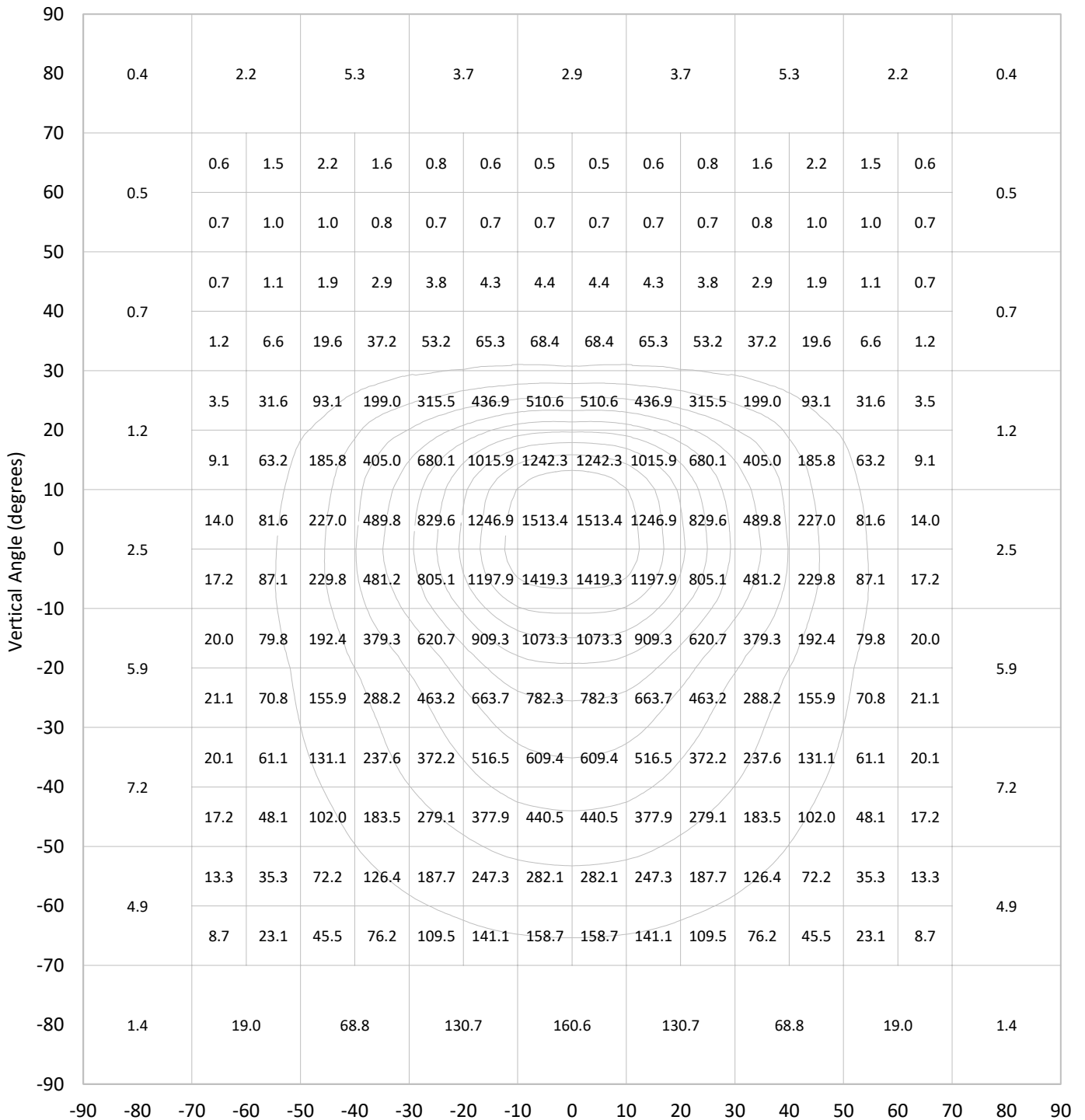
Iso-Candela Plot





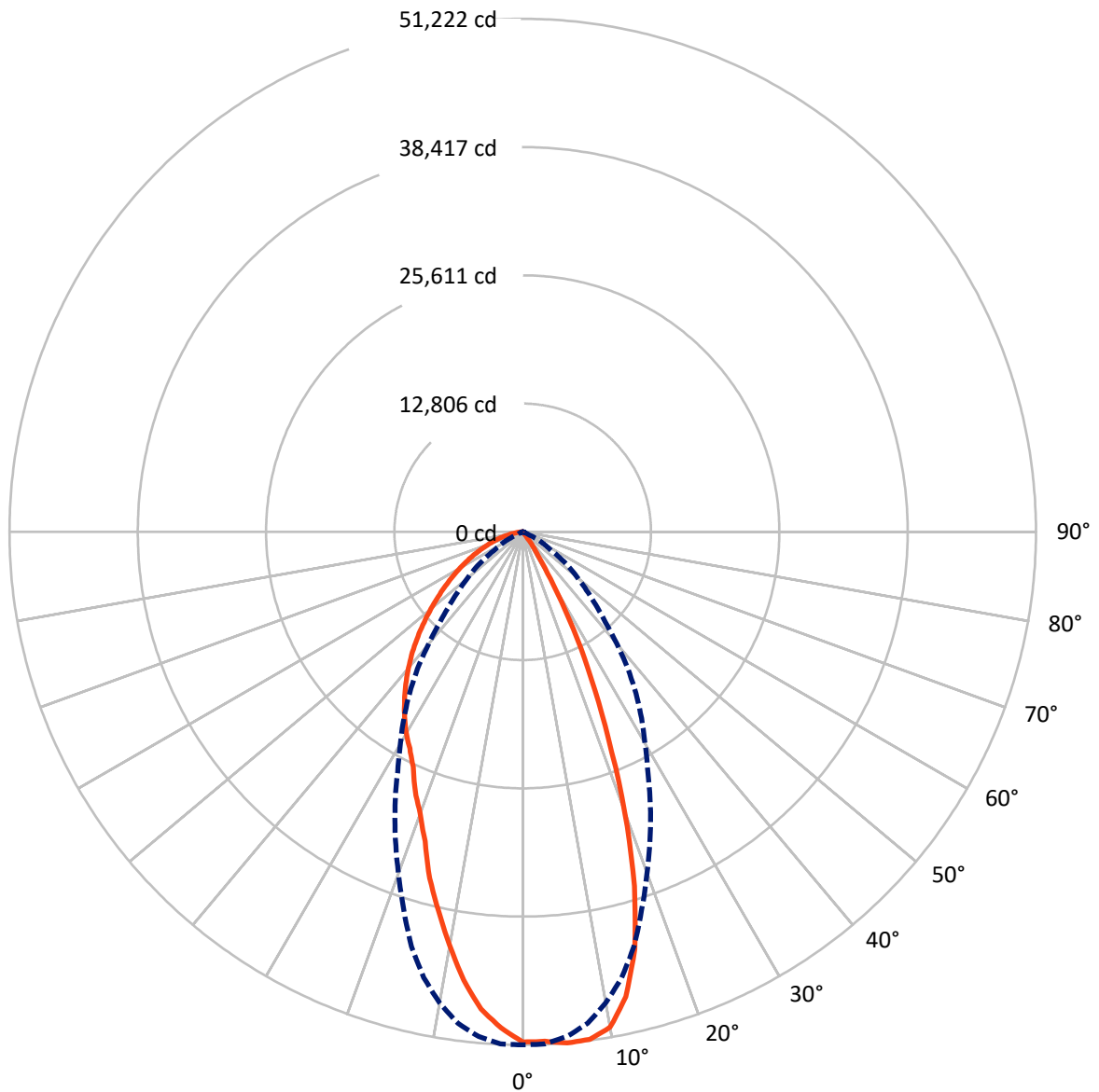
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Lumen Table



REPORT NUMBER: P731470 (CONVERTED FROM TYPE C PHOTOMETRY)
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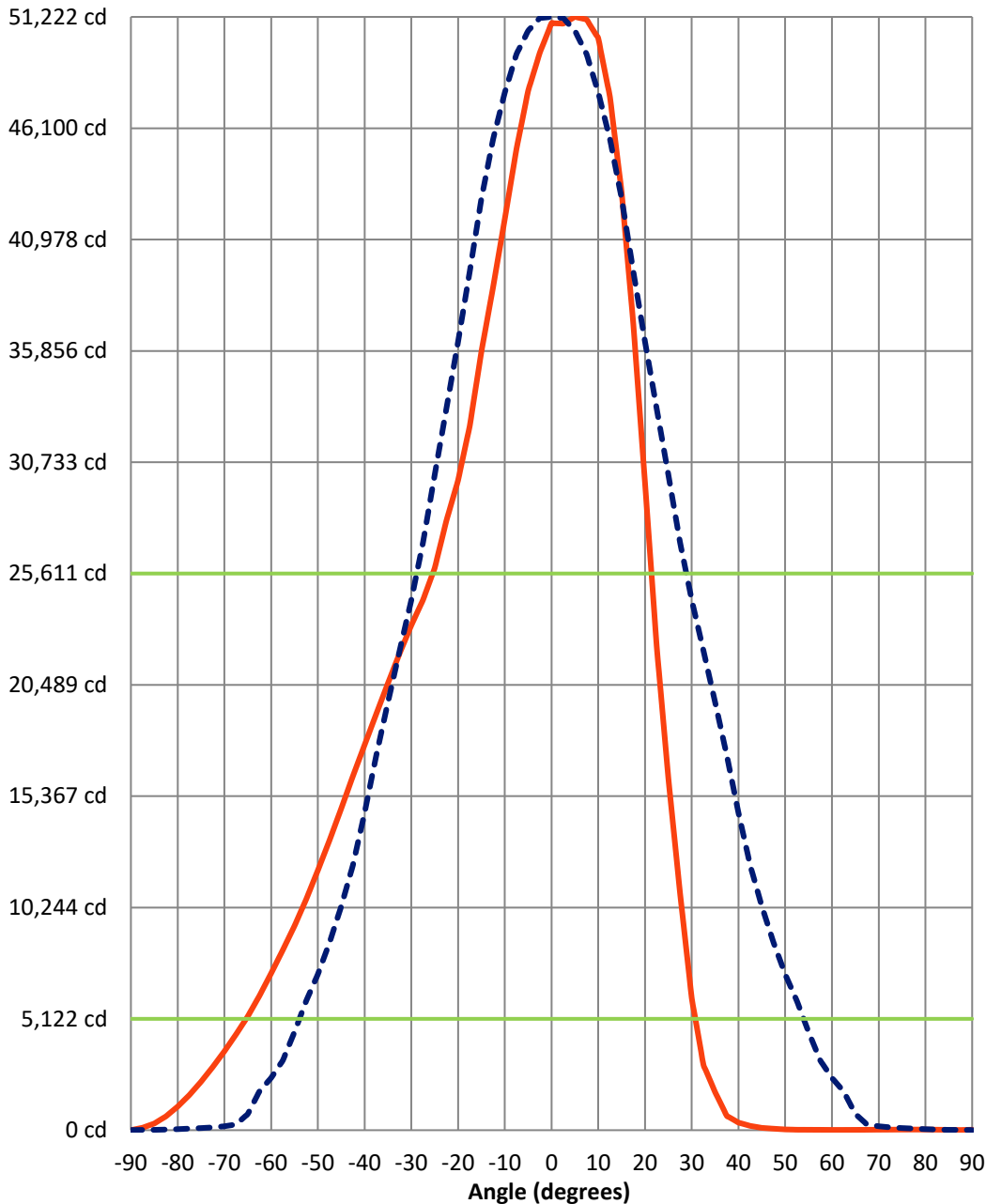
Luminous Intensity Polar Plot



— 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: 24140
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 46527
 Efficiency: 92.7%

Spill:
 Lumens: 3662.3
 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°	7.0	7.9	8.8	9.2	9.7	10.1	10.5	11.0	11.4	11.9	12.3
87.5°	7.0	8.2	9.4	9.5	9.7	10.1	10.6	10.5	10.4	10.1	9.7
85°	7.0	8.4	10.0	10.6	11.6	12.8	14.3	14.5	14.6	14.5	14.2
82.5°	7.0	8.7	10.6	11.8	13.4	15.4	17.9	18.5	18.8	19.8	21.8
80°	7.0	9.0	11.2	12.9	15.1	18.0	21.1	21.5	23.2	26.4	31.1
77.5°	7.0	9.2	11.8	14.0	16.9	19.8	21.9	23.7	27.3	32.7	38.2
75°	7.0	9.5	12.3	15.1	18.3	20.1	22.6	25.8	30.8	35.1	39.3
72.5°	7.0	9.7	12.9	16.1	18.3	20.4	23.2	27.3	31.7	36.0	40.4
70°	7.0	9.9	13.4	16.9	18.3	20.6	23.8	28.0	32.4	36.9	42.5
67.5°	7.0	10.2	13.9	16.7	18.3	20.8	24.5	28.6	33.2	39.0	44.9
65°	7.0	10.4	14.4	16.5	18.2	21.2	25.2	29.1	34.9	41.0	47.4
62.5°	7.0	10.6	14.9	16.3	18.1	21.9	25.9	30.3	36.6	43.0	50.5
60°	7.0	10.8	15.3	16.1	17.9	22.6	26.6	31.7	38.2	45.3	53.3
57.5°	7.0	11.0	15.2	15.8	18.5	23.3	28.0	33.1	39.8	47.4	54.7
55°	7.0	11.2	15.0	15.6	19.1	24.0	29.4	34.6	41.3	49.1	55.5
52.5°	7.0	11.4	14.9	15.2	19.7	24.8	30.7	36.3	42.6	50.0	56.4
50°	7.0	11.5	14.8	14.9	20.3	25.9	32.0	38.2	43.7	51.0	56.7
47.5°	7.0	11.7	14.7	14.7	20.9	27.0	33.4	40.3	44.6	51.9	57.7
45°	7.0	11.8	14.7	15.2	21.4	28.0	35.4	42.5	47.1	53.8	59.4
42.5°	7.0	11.9	14.6	15.6	22.0	29.0	37.4	45.1	50.1	56.2	62.4
40°	7.0	12.1	14.6	16.2	22.6	30.0	39.5	47.9	53.8	59.5	66.4
37.5°	7.0	12.2	14.6	17.0	23.3	30.9	41.7	51.0	58.6	65.2	71.3
35°	7.0	12.3	14.6	17.9	24.0	32.3	44.0	54.3	63.6	72.2	78.2
32.5°	7.0	12.3	14.6	18.8	24.6	34.0	46.4	57.8	68.8	80.1	91.1
30°	7.0	12.4	14.7	19.7	25.1	35.7	49.2	61.6	74.3	88.7	106.0
27.5°	7.0	12.5	14.7	20.6	26.9	37.4	51.9	66.0	80.5	98.1	122.7
25°	7.0	12.5	14.8	21.5	28.9	39.0	54.8	70.4	88.0	110.6	142.9
22.5°	7.0	12.5	14.9	22.5	31.1	41.5	57.6	74.9	95.8	125.1	209.6
20°	7.0	12.6	15.0	23.4	33.3	46.0	60.4	79.3	103.8	140.4	284.4
17.5°	7.0	12.6	15.1	24.3	35.6	50.5	65.5	83.7	111.9	156.1	365.5
15°	7.0	12.6	15.2	25.2	37.9	55.1	72.1	90.3	120.0	172.1	450.7
12.5°	7.0	12.5	15.3	26.1	40.2	59.7	78.6	99.9	132.6	188.1	537.9
10°	7.0	12.5	15.4	27.0	42.5	64.2	85.1	109.5	148.8	212.7	620.2
7.5°	7.0	12.5	15.5	27.8	44.7	68.6	91.3	118.9	165.0	238.2	687.1
5°	7.0	12.4	15.7	29.2	49.0	77.0	103.2	137.2	196.2	286.7	794.7
2.5°	7.0	12.3	15.8	29.8	50.9	80.8	108.8	145.7	210.7	309.0	833.9
0°	7.0	12.5	17.0	33.5	59.2	96.6	136.1	191.6	282.2	413.3	942.8
-2.5°	7.0	12.7	18.2	37.0	67.2	111.9	162.7	236.2	351.6	514.3	1040.9
-5°	7.0	12.9	19.4	40.4	74.8	126.5	188.3	279.1	417.8	610.5	1128.4
-7.5°	7.0	13.1	20.5	43.5	82.0	140.3	212.6	319.4	479.9	700.4	1205.2
-10°	7.0	13.3	21.5	46.5	88.7	153.0	235.1	356.6	536.8	782.7	1276.9
-12.5°	7.0	13.4	22.5	49.2	94.8	164.6	255.7	390.1	590.8	857.0	1338.2
-15°	7.0	13.6	23.5	51.5	100.1	174.7	274.0	425.9	642.8	922.7	1385.7
-17.5°	7.0	13.7	24.3	53.6	104.7	183.4	294.0	462.5	688.7	979.0	1418.8
-20°	7.0	13.7	24.3	53.6	104.7	183.4	294.0	462.5	688.7	979.0	1418.8



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.0	13.8	25.0	55.3	108.5	190.4	317.9	494.3	727.9	1025.2	1437.0
-25°	7.0	13.9	25.6	56.6	111.3	201.2	338.3	521.0	760.1	1060.6	1440.1
-27.5°	7.0	13.9	26.2	57.5	113.2	212.0	354.8	542.3	784.8	1088.6	1474.2
-30°	7.0	13.9	26.6	57.9	114.5	220.5	367.4	557.9	805.9	1113.5	1495.8
-32.5°	7.0	13.9	26.9	57.9	118.8	226.4	375.7	571.3	821.8	1128.3	1502.3
-35°	7.0	13.9	27.0	57.5	121.6	229.7	381.7	579.7	829.6	1132.7	1493.5
-37.5°	7.0	13.9	27.0	56.6	122.9	231.2	384.6	582.0	829.3	1126.8	1449.4
-40°	7.0	13.8	26.9	55.2	122.6	232.1	383.5	578.0	820.8	1116.3	1402.8
-42.5°	7.0	13.7	26.7	53.9	122.0	230.4	378.3	567.7	807.8	1078.3	1347.5
-45°	7.0	13.6	26.3	53.3	121.2	226.2	369.2	553.6	788.4	1030.4	1285.0
-47.5°	7.0	13.4	25.8	51.9	119.2	219.5	356.0	537.3	760.3	976.0	1222.9
-50°	7.0	13.2	25.2	51.4	115.8	210.2	343.0	515.6	713.3	921.4	1152.9
-52.5°	7.0	13.0	24.4	50.9	111.1	198.5	327.1	488.7	667.4	860.6	1076.1
-55°	7.0	12.8	23.5	49.8	105.2	188.7	307.7	457.4	619.5	794.0	998.9
-57.5°	7.0	12.6	22.5	48.1	98.1	177.8	285.0	427.2	566.9	729.2	914.9
-60°	7.0	12.3	21.4	45.9	90.0	165.0	260.0	389.2	511.9	661.2	827.8
-62.5°	7.0	12.0	20.6	43.2	84.4	150.5	239.2	346.9	460.6	588.2	741.6
-65°	7.0	11.7	19.8	40.0	77.9	134.4	216.0	305.3	406.1	520.5	649.9
-67.5°	7.0	11.4	18.9	36.4	70.6	119.4	190.7	269.4	348.7	451.8	564.3
-70°	7.0	11.1	17.9	32.4	62.5	105.9	163.3	231.7	302.0	379.8	479.5
-72.5°	7.0	10.7	16.9	29.6	53.7	91.3	140.5	192.4	253.7	321.3	395.1
-75°	7.0	10.3	15.8	27.1	44.3	75.7	117.2	158.3	203.6	261.0	323.6
-77.5°	7.0	9.9	14.7	24.4	38.3	59.3	92.7	125.3	161.4	201.9	250.0
-80°	7.0	9.6	13.6	21.5	32.9	47.6	67.2	91.5	119.0	150.1	184.7
-82.5°	7.0	9.1	12.4	18.5	27.3	38.5	52.3	62.9	75.7	97.1	121.2
-85°	7.0	8.7	11.2	15.5	21.5	29.2	38.6	45.7	53.3	61.4	70.0
-87.5°	7.0	8.3	10.0	12.4	15.6	19.7	24.6	28.4	32.4	36.7	41.2
-90°	7.0	7.9	8.8	8.4	7.9	7.5	7.0	6.6	6.2	5.7	5.3



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.3	12.3	12.3	12.3	12.7	13.2	13.6	14.0	14.9	15.8	16.7
87.5°	10.4	11.0	11.7	12.4	11.5	10.4	9.2	7.8	8.2	8.6	9.1
85°	15.4	16.7	18.2	19.4	18.5	17.8	17.2	16.8	17.8	18.5	19.1
82.5°	24.0	25.5	26.3	26.5	27.0	27.8	29.4	32.5	34.5	35.8	36.6
80°	33.4	34.4	35.1	37.5	41.7	46.6	52.1	58.1	60.1	60.3	59.6
77.5°	39.2	41.3	45.5	51.6	58.5	65.4	73.1	81.4	83.8	83.1	81.5
75°	42.6	47.6	54.9	63.7	72.9	82.2	92.2	101.5	104.2	101.2	97.3
72.5°	45.9	53.5	63.2	74.7	84.7	94.3	105.0	116.8	120.9	114.9	107.9
70°	49.2	58.8	69.8	81.1	92.5	103.5	113.9	125.2	131.9	122.6	108.3
67.5°	52.0	63.1	74.8	86.5	96.8	107.6	119.4	124.1	127.1	112.1	96.0
65°	55.3	67.1	77.7	88.1	99.2	103.6	107.4	111.5	110.8	93.6	76.5
62.5°	58.5	68.2	78.4	86.6	89.3	91.9	91.8	89.2	85.0	73.2	58.5
60°	59.7	68.1	75.1	77.9	78.6	76.0	72.6	69.3	64.2	54.3	44.2
57.5°	60.4	64.9	68.2	69.0	66.0	60.9	58.7	53.4	49.1	43.3	35.0
55°	60.1	59.5	61.4	59.8	56.2	52.1	48.0	44.6	39.2	37.4	33.7
52.5°	58.5	55.9	55.0	53.2	50.7	46.6	42.5	39.8	38.4	36.3	33.2
50°	58.0	54.5	50.3	50.2	48.3	45.2	40.9	40.3	40.4	38.5	34.9
47.5°	58.7	54.6	49.3	49.4	49.6	50.7	47.0	45.4	46.0	51.2	45.7
45°	60.6	58.5	52.9	52.7	57.6	64.2	70.0	53.8	70.2	78.3	84.7
42.5°	63.8	64.8	67.7	57.6	76.2	99.7	110.9	116.7	110.7	136.3	162.8
40°	70.9	73.4	92.9	100.6	108.5	157.1	224.5	240.2	182.5	253.8	297.9
37.5°	79.6	104.3	138.4	179.6	175.9	277.3	382.7	463.6	455.6	430.8	616.9
35°	89.6	142.5	234.5	326.3	366.6	462.7	657.2	798.0	881.9	932.5	1085.8
32.5°	117.1	187.8	354.6	549.7	717.7	812.9	996.5	1305.4	1597.5	1772.0	1770.3
30°	165.5	299.2	524.1	823.8	1150.4	1418.2	1570.1	1966.9	2523.7	2919.8	3183.7
27.5°	237.1	434.7	785.5	1219.8	1677.3	2132.0	2435.1	2950.7	3700.0	4303.6	4867.4
25°	324.5	649.8	1080.0	1690.7	2363.4	2941.0	3377.0	4093.7	5043.1	5989.8	6933.0
22.5°	463.7	899.6	1406.8	2205.4	3120.6	3777.2	4417.5	5291.1	6389.2	7718.2	9156.4
20°	657.7	1190.3	1755.7	2609.4	3877.9	4628.3	5414.5	6457.1	7737.8	9353.1	11273.2
17.5°	867.3	1464.7	2097.9	3049.6	4287.2	5327.1	6382.8	7570.9	9006.2	10880.0	12948.4
15°	1087.8	1722.9	2403.6	3442.6	4670.4	5793.9	7043.0	8588.3	10280.9	12307.3	14470.9
12.5°	1313.8	1964.5	2674.5	3788.8	5036.3	6216.8	7549.0	9156.1	11125.2	13502.2	15773.4
10°	1539.9	2189.7	2912.6	4088.8	5379.4	6594.9	7983.5	9627.9	11631.1	14012.7	16467.7
7.5°	1678.4	2338.3	3107.2	4343.5	5694.1	6927.5	8348.2	10006.8	11981.7	14377.6	16907.8
5°	1783.3	2405.1	3208.3	4517.1	5943.0	7173.9	8632.8	10297.2	12192.7	14600.0	17242.1
2.5°	1864.8	2454.3	3289.1	4646.1	6131.0	7307.8	8802.3	10483.0	12412.5	14876.4	17579.6
0°	1922.3	2487.6	3347.8	4734.6	6272.5	7394.2	8912.8	10594.5	12566.0	15116.7	17879.9
-2.5°	1978.2	2590.5	3467.0	4847.5	6292.9	7407.1	8954.8	10599.1	12565.9	15070.1	17755.4
-5°	2013.3	2676.1	3561.2	4918.6	6272.0	7380.6	8931.6	10535.5	12429.0	14796.9	17294.0
-7.5°	2031.5	2741.6	3629.2	4929.3	6163.6	7224.8	8652.4	10160.1	11977.0	14195.8	16498.3
-10°	2041.2	2781.0	3621.9	4780.9	5938.6	6974.6	8279.6	9724.1	11435.6	13498.9	15629.3
-12.5°	2068.0	2802.4	3589.1	4618.9	5694.3	6691.6	7866.2	9234.1	10807.6	12719.6	14674.1
-15°	2082.5	2813.2	3543.5	4451.8	5437.5	6378.2	7418.8	8694.8	10127.3	11837.6	13571.6
-17.5°	2086.6	2815.2	3488.0	4287.1	5174.4	6036.5	6978.5	8232.7	9536.9	11013.9	12492.8
-20°	2082.1	2809.9	3425.0	4132.1	4915.8	5788.3	6739.3	7833.5	9001.0	10249.9	11482.0



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2070.6	2798.9	3371.9	4022.2	4791.6	5625.7	6500.5	7447.2	8451.8	9536.3	10785.9
-25°	2064.8	2758.7	3336.4	3944.4	4671.4	5454.7	6249.4	7090.6	7966.4	9102.1	10293.9
-27.5°	2055.7	2716.2	3266.7	3836.4	4532.3	5281.9	6027.2	6795.0	7694.2	8714.5	9820.6
-30°	2028.6	2613.6	3171.9	3710.0	4385.2	5107.4	5819.1	6549.0	7399.8	8361.8	9387.8
-32.5°	1952.3	2497.1	3046.0	3586.5	4208.0	4916.0	5604.2	6311.9	7101.2	7963.2	8950.3
-35°	1866.8	2376.9	2904.8	3433.4	4001.2	4684.0	5353.6	6037.6	6770.3	7579.0	8499.2
-37.5°	1804.7	2247.7	2753.6	3260.8	3805.8	4412.4	5069.1	5727.5	6421.1	7191.7	8062.1
-40°	1730.6	2110.1	2600.1	3085.6	3581.6	4141.0	4754.4	5386.4	6037.5	6806.0	7603.7
-42.5°	1647.8	2014.3	2441.0	2899.8	3367.6	3876.0	4423.5	5024.8	5678.1	6393.0	7141.9
-45°	1576.4	1906.7	2281.8	2711.2	3145.8	3606.4	4114.1	4651.8	5297.1	5962.2	6657.7
-47.5°	1495.1	1794.3	2147.0	2511.8	2921.3	3345.9	3794.9	4318.6	4892.0	5514.8	6152.8
-50°	1407.1	1692.3	1993.2	2332.4	2695.3	3084.0	3494.0	3971.7	4495.1	5051.6	5638.7
-52.5°	1318.7	1579.9	1856.9	2152.2	2481.6	2831.0	3210.7	3636.2	4099.4	4587.0	5105.1
-55°	1221.8	1465.7	1717.8	1985.6	2273.0	2589.9	2929.4	3309.9	3708.0	4150.1	4585.8
-57.5°	1122.2	1342.8	1575.3	1823.3	2081.6	2351.1	2658.8	2981.0	3340.7	3718.6	4103.1
-60°	1018.2	1215.8	1426.5	1654.5	1894.5	2137.3	2386.6	2672.1	2977.5	3291.4	3635.1
-62.5°	909.2	1086.6	1274.9	1477.1	1696.8	1916.5	2140.0	2376.1	2623.6	2905.6	3192.3
-65°	801.1	953.9	1121.6	1301.4	1489.6	1686.9	1887.3	2089.6	2306.1	2538.5	2779.9
-67.5°	687.2	825.1	969.4	1122.0	1289.1	1456.6	1631.6	1814.4	1998.4	2186.7	2384.9
-70°	584.5	694.0	819.7	952.9	1087.8	1225.0	1376.2	1533.2	1693.5	1853.7	2018.4
-72.5°	481.1	575.2	675.6	782.1	895.4	1008.4	1126.4	1248.8	1379.0	1513.8	1650.7
-75°	387.1	453.8	536.1	624.9	711.4	796.5	885.0	984.5	1087.6	1191.6	1295.2
-77.5°	300.2	353.4	410.6	471.8	531.9	600.3	670.3	741.7	816.3	893.0	970.6
-80°	217.3	251.0	293.2	338.8	382.5	426.7	472.2	518.7	567.3	621.0	679.0
-82.5°	144.0	168.0	193.1	219.4	243.7	267.8	293.7	325.4	357.3	390.1	423.6
-85°	77.1	84.2	99.0	114.6	130.1	145.6	161.2	176.7	192.5	208.0	222.9
-87.5°	44.7	48.3	51.9	55.6	59.5	63.4	67.2	71.1	76.3	81.6	87.0
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	17.6	18.0	18.5	18.9	19.3	19.8	20.2	20.7	21.1	21.5	22.0
87.5°	9.6	8.9	8.2	7.4	6.7	8.8	10.9	13.1	15.4	14.2	13.0
85°	19.5	19.6	19.7	19.8	19.9	22.2	24.4	26.7	28.8	26.6	24.2
82.5°	36.8	36.2	34.9	33.1	30.7	30.1	29.3	28.1	26.7	25.6	24.6
80°	58.2	55.3	51.5	47.0	41.8	39.3	36.8	34.1	31.2	30.3	29.6
77.5°	78.4	72.9	66.4	59.4	52.0	47.3	43.1	38.6	33.8	32.4	31.6
75°	92.5	85.6	76.4	66.5	56.0	48.8	43.0	37.3	31.6	30.2	30.0
72.5°	99.9	90.3	78.6	64.7	51.5	42.7	37.3	32.5	28.2	26.6	26.0
70°	93.9	79.4	65.8	53.0	41.3	33.5	29.7	26.3	23.4	22.6	23.0
67.5°	79.3	64.7	52.4	41.4	32.0	25.7	23.4	21.7	20.3	19.8	19.8
65°	62.0	49.7	39.6	31.3	24.6	20.7	19.9	19.2	18.5	17.9	17.3
62.5°	45.7	36.4	30.0	25.2	21.7	19.3	18.7	17.9	17.0	16.1	15.4
60°	35.6	28.2	25.0	23.0	21.2	19.6	19.0	18.6	18.3	18.0	17.5
57.5°	30.9	27.2	24.3	23.1	22.1	21.4	21.0	20.6	20.0	19.2	18.6
55°	30.2	27.3	24.8	24.1	23.6	23.1	22.5	21.9	21.2	20.5	20.2
52.5°	30.3	29.0	27.0	26.1	26.6	25.9	24.4	25.2	25.3	24.6	24.2
50°	34.2	34.5	35.0	32.1	35.1	36.3	34.5	36.0	38.2	38.4	38.3
47.5°	48.5	51.7	55.9	52.6	56.5	62.3	61.9	62.3	67.5	68.2	68.0
45°	77.4	91.3	97.9	101.7	100.2	113.8	116.5	112.1	119.3	120.6	118.6
42.5°	154.8	162.6	180.0	193.8	185.9	199.9	204.1	191.4	203.8	209.4	203.3
40°	346.7	275.6	327.3	362.9	350.4	323.2	370.5	353.6	351.9	371.6	356.2
37.5°	684.4	607.5	660.4	762.1	758.4	630.3	773.3	764.0	642.2	786.5	774.0
35°	1227.4	1369.6	1306.1	1496.4	1551.6	1580.2	1659.5	1741.4	1651.7	1769.9	1766.8
32.5°	2197.7	2492.6	2623.0	2646.2	2890.4	3089.4	3005.1	3324.4	3305.0	3384.8	3466.4
30°	3469.5	4127.0	4459.7	4468.0	4873.2	5229.8	5343.0	5743.7	5980.6	5941.3	6338.2
27.5°	5535.6	6181.5	6729.5	7197.1	7512.9	8075.2	8857.9	9252.8	9835.1	10063.4	10612.0
25°	7870.1	8672.5	9537.7	10351.4	11019.7	12026.9	13001.1	13615.4	14448.4	15101.3	15764.7
22.5°	10399.0	11463.6	12573.6	13790.9	15033.7	16262.7	17446.0	18580.8	19691.4	20918.2	21668.2
20°	12984.6	14187.9	15539.0	17188.8	18913.1	20395.1	22011.2	23790.7	25491.9	27075.3	28271.4
17.5°	14949.4	16811.5	18275.3	20060.0	22201.3	24289.0	26349.4	28696.0	30860.3	32879.2	34679.6
15°	16449.8	18401.9	20523.3	22677.7	24933.4	27419.2	30253.3	32821.1	35494.6	37869.0	40092.7
12.5°	17757.7	19739.4	21959.6	24472.2	27317.4	29986.2	32956.5	36167.7	39004.3	41793.6	43880.0
10°	18723.0	20924.3	23175.2	25701.4	28602.8	31718.6	34937.7	38183.7	41364.3	44056.9	46298.4
7.5°	19255.5	21593.4	23948.4	26586.4	29569.4	32634.2	35849.8	39238.9	42440.4	45213.4	47271.9
5°	19688.9	22065.7	24393.5	27042.0	30150.1	33194.5	36275.0	39509.7	42861.8	45596.9	47738.5
2.5°	20067.2	22386.2	24656.9	27235.5	30438.6	33496.5	36663.8	40017.0	43258.6	45896.9	47981.7
0°	20395.6	22584.7	24805.4	27361.5	30711.0	33806.0	36922.0	40203.1	43505.2	46075.2	48185.4
-2.5°	20158.0	22304.5	24492.7	27105.4	30299.7	33344.2	36477.9	39800.4	42928.2	45531.4	47577.2
-5°	19538.6	21606.3	23779.1	26385.4	29434.6	32416.6	35508.6	38709.0	41649.1	44251.7	46133.6
-7.5°	18633.0	20657.1	22821.5	25387.0	28224.3	30930.9	33694.2	36660.9	39587.3	41885.2	43677.6
-10°	17626.4	19552.8	21544.9	23801.3	26313.6	28841.6	31380.6	34138.5	36717.0	38874.7	40600.1
-12.5°	16431.2	18142.4	19976.7	21944.8	24251.2	26659.0	29080.2	31495.8	33874.0	35815.0	37378.1
-15°	15140.3	16653.6	18328.7	20232.4	22287.5	24412.2	26596.2	28903.1	31044.9	32852.9	34231.0
-17.5°	13866.8	15221.9	16924.6	18655.4	20316.2	22264.5	24436.6	26344.3	28298.8	29922.3	31139.7
-20°	12787.3	14245.2	15725.7	17204.5	18791.0	20685.2	22526.9	24325.4	26062.3	27540.5	28751.0



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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°	12083.6	13364.4	14627.8	16026.6	17639.4	19310.9	20977.8	22612.9	24184.9	25589.1	26740.5
-25°	11443.7	12527.5	13778.6	15198.8	16560.6	18026.8	19600.7	20967.4	22458.5	23730.2	24715.3
-27.5°	10884.2	11956.9	13184.6	14461.9	15693.7	17015.2	18448.7	19753.1	21095.0	22317.8	23177.3
-30°	10397.1	11508.3	12662.8	13831.4	14991.4	16214.1	17460.0	18720.8	19951.9	21060.7	21886.8
-32.5°	9982.0	11024.5	12107.2	13194.6	14252.3	15366.0	16521.8	17680.9	18821.5	19791.6	20600.5
-35°	9510.0	10508.0	11514.1	12490.7	13470.3	14466.5	15539.2	16624.3	17644.8	18530.6	19320.2
-37.5°	8983.4	9944.9	10863.1	11752.1	12660.2	13581.4	14574.9	15571.8	16509.2	17310.9	18063.8
-40°	8459.2	9335.4	10167.0	10996.8	11829.3	12691.9	13590.5	14483.1	15306.0	16064.2	16765.8
-42.5°	7914.5	8681.5	9438.4	10210.9	10978.9	11756.8	12559.5	13371.2	14104.5	14796.1	15418.0
-45°	7365.1	8023.2	8691.9	9399.5	10100.8	10799.2	11494.2	12179.4	12865.9	13510.3	14035.6
-47.5°	6780.7	7374.7	7981.8	8590.1	9218.5	9856.0	10463.6	11056.8	11663.1	12239.1	12673.0
-50°	6191.0	6741.0	7289.7	7825.7	8381.2	8941.9	9495.5	10017.6	10525.5	11015.4	11354.6
-52.5°	5597.1	6105.7	6608.5	7093.3	7575.2	8053.2	8522.2	8985.3	9430.5	9850.3	10119.2
-55°	5033.1	5486.6	5928.8	6352.1	6777.5	7197.2	7610.9	8016.1	8400.2	8761.2	8968.6
-57.5°	4502.6	4897.6	5284.8	5649.3	6005.3	6351.2	6716.8	7085.0	7430.9	7741.1	7908.3
-60°	3985.6	4341.5	4673.8	4978.5	5283.8	5587.6	5895.6	6199.6	6495.7	6753.4	6897.3
-62.5°	3477.3	3781.3	4064.2	4326.3	4578.5	4829.4	5096.6	5353.1	5597.0	5795.9	5917.9
-65°	3032.0	3289.6	3501.3	3710.0	3917.2	4137.8	4359.8	4571.4	4771.8	4927.6	5030.4
-67.5°	2598.9	2810.8	2987.0	3160.2	3333.6	3509.0	3687.8	3860.9	4027.2	4153.1	4242.4
-70°	2187.2	2347.3	2485.3	2626.3	2770.0	2913.4	3057.0	3195.3	3327.3	3423.2	3495.1
-72.5°	1789.0	1912.7	2020.1	2129.6	2237.6	2348.7	2459.9	2566.8	2668.6	2737.3	2787.7
-75°	1398.2	1488.0	1574.2	1657.7	1738.2	1820.8	1902.7	1980.8	2054.9	2107.0	2148.4
-77.5°	1052.7	1116.5	1172.7	1227.7	1281.3	1338.7	1394.8	1447.8	1497.3	1533.5	1564.0
-80°	737.4	778.6	814.5	848.2	879.7	915.3	950.1	983.1	1013.9	1035.0	1051.8
-82.5°	457.6	481.8	503.4	523.2	541.3	559.9	577.2	592.9	607.0	623.5	638.8
-85°	237.4	247.3	256.5	265.0	272.8	280.4	287.3	293.4	298.8	301.8	303.9
-87.5°	92.3	94.6	96.7	98.6	100.4	102.8	105.1	107.3	109.3	111.1	112.7
-90°	5.3	4.9	4.4	4.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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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°	22.4	22.8	22.8	22.8	22.8	22.8	22.4	22.0	21.5	21.1	20.7
87.5°	11.8	10.5	9.6	8.8	9.6	10.5	11.8	13.0	14.2	15.4	13.1
85°	21.8	19.3	17.5	15.8	17.5	19.3	21.8	24.2	26.6	28.8	26.7
82.5°	23.7	22.8	22.8	22.8	22.8	22.8	23.7	24.6	25.6	26.7	28.1
80°	28.8	28.0	28.9	29.8	28.9	28.0	28.8	29.6	30.3	31.2	34.1
77.5°	30.7	29.8	29.8	29.8	29.8	29.8	30.7	31.6	32.4	33.8	38.6
75°	29.9	29.8	29.0	28.1	29.0	29.8	29.9	30.0	30.2	31.6	37.3
72.5°	25.4	24.8	24.6	24.6	24.6	24.8	25.4	26.0	26.6	28.2	32.5
70°	23.7	24.5	23.8	22.8	23.8	24.5	23.7	23.0	22.6	23.4	26.3
67.5°	19.6	19.5	19.3	19.3	19.3	19.5	19.6	19.8	19.8	20.3	21.7
65°	16.7	16.0	15.8	15.8	15.8	16.0	16.7	17.3	17.9	18.5	19.2
62.5°	14.8	14.2	14.0	14.0	14.0	14.2	14.8	15.4	16.1	17.0	17.9
60°	16.8	16.0	15.0	14.0	15.0	16.0	16.8	17.5	18.0	18.3	18.6
57.5°	18.1	17.7	17.6	17.6	17.6	17.7	18.1	18.6	19.2	20.0	20.6
55°	19.8	19.4	19.3	19.3	19.3	19.4	19.8	20.2	20.5	21.2	21.9
52.5°	23.7	23.0	22.1	21.1	22.1	23.0	23.7	24.2	24.6	25.3	25.2
50°	37.5	35.7	34.9	35.1	34.9	35.7	37.5	38.3	38.4	38.2	36.0
47.5°	69.3	69.3	69.0	68.5	69.0	69.3	69.3	68.0	68.2	67.5	62.3
45°	118.0	113.2	108.7	107.1	108.7	113.2	118.0	118.6	120.6	119.3	112.1
42.5°	207.3	206.3	202.6	198.4	202.6	206.3	207.3	203.3	209.4	203.8	191.4
40°	360.2	355.4	346.9	349.3	346.9	355.4	360.2	356.2	371.6	351.9	353.6
37.5°	750.2	714.2	659.7	660.1	659.7	714.2	750.2	774.0	786.5	642.2	764.0
35°	1756.1	1785.6	1750.6	1750.2	1750.6	1785.6	1756.1	1766.8	1769.9	1651.7	1741.4
32.5°	3360.6	3311.8	3113.8	3010.7	3113.8	3311.8	3360.6	3466.4	3384.8	3305.0	3324.4
30°	6331.1	6362.5	6065.7	6072.3	6065.7	6362.5	6331.1	6338.2	5941.3	5980.6	5743.7
27.5°	10833.3	11074.4	11011.0	10905.3	11011.0	11074.4	10833.3	10612.0	10063.4	9835.1	9252.8
25°	16199.7	16381.3	16259.7	16185.9	16259.7	16381.3	16199.7	15764.7	15101.3	14448.4	13615.4
22.5°	22396.4	22649.1	22585.7	22265.2	22585.7	22649.1	22396.4	21668.2	20918.2	19691.4	18580.8
20°	29256.3	29689.2	29940.7	29778.8	29940.7	29689.2	29256.3	28271.4	27075.3	25491.9	23790.7
17.5°	35958.3	36516.6	36944.7	37088.8	36944.7	36516.6	35958.3	34679.6	32879.2	30860.3	28696.0
15°	41593.9	42392.3	42954.6	43154.1	42954.6	42392.3	41593.9	40092.7	37869.0	35494.6	32821.1
12.5°	45638.2	46677.4	47336.9	47535.0	47336.9	46677.4	45638.2	43880.0	41793.6	39004.3	36167.7
10°	47862.2	49172.1	49922.8	50235.8	49922.8	49172.1	47862.2	46298.4	44056.9	41364.3	38183.7
7.5°	49104.8	50287.9	50997.2	51102.2	50997.2	50287.9	49104.8	47271.9	45213.4	42440.4	39238.9
5°	49507.9	50582.9	51168.3	51222.4	51168.3	50582.9	49507.9	47738.5	45596.9	42861.8	39509.7
2.5°	49684.7	50593.0	51024.8	50914.4	51024.8	50593.0	49684.7	47981.7	45896.9	43258.6	40017.0
0°	49594.2	50406.1	50864.3	50932.8	50864.3	50406.1	49594.2	48185.4	46075.2	43505.2	40203.1
-2.5°	48857.7	49462.4	49787.3	49578.4	49787.3	49462.4	48857.7	47577.2	45531.4	42928.2	39800.4
-5°	47178.6	47613.6	47749.3	47825.5	47749.3	47613.6	47178.6	46133.6	44251.7	41649.1	38709.0
-7.5°	44751.6	45106.6	45240.6	45146.6	45240.6	45106.6	44751.6	43677.6	41885.2	39587.3	36660.9
-10°	41552.8	41878.1	41991.8	41927.0	41991.8	41878.1	41552.8	40600.1	38874.7	36717.0	34138.5
-12.5°	38314.7	38700.2	38788.7	38794.2	38788.7	38700.2	38314.7	37378.1	35815.0	33874.0	31495.8
-15°	35131.6	35572.3	35707.1	35824.8	35707.1	35572.3	35131.6	34231.0	32852.9	31044.9	28903.1
-17.5°	32003.8	32441.6	32555.3	32401.6	32555.3	32441.6	32003.8	31139.7	29922.3	28298.8	26344.3
-20°	29432.7	29659.7	29901.9	29899.9	29901.9	29659.7	29432.7	28751.0	27540.5	26062.3	24325.4



REPORT NUMBER: P731470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	27309.2	27684.5	27890.8	28037.3	27890.8	27684.5	27309.2	26740.5	25589.1	24184.9	22612.9
-25°	25317.7	25636.4	25764.6	25862.3	25764.6	25636.4	25317.7	24715.3	23730.2	22458.5	20967.4
-27.5°	23783.6	24106.9	24289.9	24398.2	24289.9	24106.9	23783.6	23177.3	22317.8	21095.0	19753.1
-30°	22560.0	22877.8	23095.7	23232.5	23095.7	22877.8	22560.0	21886.8	21060.7	19951.9	18720.8
-32.5°	21241.6	21573.9	21801.1	21942.2	21801.1	21573.9	21241.6	20600.5	19791.6	18821.5	17680.9
-35°	19871.6	20204.0	20449.1	20564.1	20449.1	20204.0	19871.6	19320.2	18530.6	17644.8	16624.3
-37.5°	18540.6	18850.9	19067.6	19152.7	19067.6	18850.9	18540.6	18063.8	17310.9	16509.2	15571.8
-40°	17153.1	17445.9	17647.2	17725.4	17647.2	17445.9	17153.1	16765.8	16064.2	15306.0	14483.1
-42.5°	15754.1	16027.3	16213.1	16291.2	16213.1	16027.3	15754.1	15418.0	14796.1	14104.5	13371.2
-45°	14336.9	14579.9	14737.2	14797.2	14737.2	14579.9	14336.9	14035.6	13510.3	12865.9	12179.4
-47.5°	12942.0	13161.1	13296.3	13340.2	13296.3	13161.1	12942.0	12673.0	12239.1	11663.1	11056.8
-50°	11580.4	11759.8	11883.6	11953.3	11883.6	11759.8	11580.4	11354.6	11015.4	10525.5	10017.6
-52.5°	10320.9	10483.9	10581.0	10619.1	10581.0	10483.9	10320.9	10119.2	9850.3	9430.5	8985.3
-55°	9140.5	9281.5	9364.0	9397.3	9364.0	9281.5	9140.5	8968.6	8761.2	8400.2	8016.1
-57.5°	8050.4	8166.0	8243.8	8287.8	8243.8	8166.0	8050.4	7908.3	7741.1	7430.9	7085.0
-60°	7016.9	7111.6	7176.9	7215.2	7176.9	7111.6	7016.9	6897.3	6753.4	6495.7	6199.6
-62.5°	6019.2	6099.6	6152.5	6182.9	6152.5	6099.6	6019.2	5917.9	5795.9	5597.0	5353.1
-65°	5117.1	5187.7	5221.8	5234.9	5221.8	5187.7	5117.1	5030.4	4927.6	4771.8	4571.4
-67.5°	4319.1	4382.6	4405.7	4409.9	4405.7	4382.6	4319.1	4242.4	4153.1	4027.2	3860.9
-70°	3557.3	3609.0	3626.5	3628.7	3626.5	3609.0	3557.3	3495.1	3423.2	3327.3	3195.3
-72.5°	2829.3	2861.9	2887.1	2903.6	2887.1	2861.9	2829.3	2787.7	2737.3	2668.6	2566.8
-75°	2183.2	2211.2	2223.3	2227.7	2223.3	2211.2	2183.2	2148.4	2107.0	2054.9	1980.8
-77.5°	1590.0	1611.2	1616.1	1615.1	1616.1	1611.2	1590.0	1564.0	1533.5	1497.3	1447.8
-80°	1065.1	1075.0	1081.5	1084.9	1081.5	1075.0	1065.1	1051.8	1035.0	1013.9	983.1
-82.5°	652.6	664.6	652.2	637.3	652.2	664.6	652.6	638.8	623.5	607.0	592.9
-85°	305.2	305.8	306.8	307.2	306.8	305.8	305.2	303.9	301.8	298.8	293.4
-87.5°	114.2	115.5	114.9	114.1	114.9	115.5	114.2	112.7	111.1	109.3	107.3
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



REPORT NUMBER: P731470 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20.2	19.8	19.3	18.9	18.5	18.0	17.6	16.7	15.8	14.9	14.0
87.5°	10.9	8.8	6.7	7.4	8.2	8.9	9.6	9.1	8.6	8.2	7.8
85°	24.4	22.2	19.9	19.8	19.7	19.6	19.5	19.1	18.5	17.8	16.8
82.5°	29.3	30.1	30.7	33.1	34.9	36.2	36.8	36.6	35.8	34.5	32.5
80°	36.8	39.3	41.8	47.0	51.5	55.3	58.2	59.6	60.3	60.1	58.1
77.5°	43.1	47.3	52.0	59.4	66.4	72.9	78.4	81.5	83.1	83.8	81.4
75°	43.0	48.8	56.0	66.5	76.4	85.6	92.5	97.3	101.2	104.2	101.5
72.5°	37.3	42.7	51.5	64.7	78.6	90.3	99.9	107.9	114.9	120.9	116.8
70°	29.7	33.5	41.3	53.0	65.8	79.4	93.9	108.3	122.6	131.9	125.2
67.5°	23.4	25.7	32.0	41.4	52.4	64.7	79.3	96.0	112.1	127.1	124.1
65°	19.9	20.7	24.6	31.3	39.6	49.7	62.0	76.5	93.6	110.8	111.5
62.5°	18.7	19.3	21.7	25.2	30.0	36.4	45.7	58.5	73.2	85.0	89.2
60°	19.0	19.6	21.2	23.0	25.0	28.2	35.6	44.2	54.3	64.2	69.3
57.5°	21.0	21.4	22.1	23.1	24.3	27.2	30.9	35.0	43.3	49.1	53.4
55°	22.5	23.1	23.6	24.1	24.8	27.3	30.2	33.7	37.4	39.2	44.6
52.5°	24.4	25.9	26.6	26.1	27.0	29.0	30.3	33.2	36.3	38.4	39.8
50°	34.5	36.3	35.1	32.1	35.0	34.5	34.2	34.9	38.5	40.4	40.3
47.5°	61.9	62.3	56.5	52.6	55.9	51.7	48.5	45.7	51.2	46.0	45.4
45°	116.5	113.8	100.2	101.7	97.9	91.3	77.4	84.7	78.3	70.2	53.8
42.5°	204.1	199.9	185.9	193.8	180.0	162.6	154.8	162.8	136.3	110.7	116.7
40°	370.5	323.2	350.4	362.9	327.3	275.6	346.7	297.9	253.8	182.5	240.2
37.5°	773.3	630.3	758.4	762.1	660.4	607.5	684.4	616.9	430.8	455.6	463.6
35°	1659.5	1580.2	1551.6	1496.4	1306.1	1369.6	1227.4	1085.8	932.5	881.9	798.0
32.5°	3005.1	3089.4	2890.4	2646.2	2623.0	2492.6	2197.7	1770.3	1772.0	1597.5	1305.4
30°	5343.0	5229.8	4873.2	4468.0	4459.7	4127.0	3469.5	3183.7	2919.8	2523.7	1966.9
27.5°	8857.9	8075.2	7512.9	7197.1	6729.5	6181.5	5535.6	4867.4	4303.6	3700.0	2950.7
25°	13001.1	12026.9	11019.7	10351.4	9537.7	8672.5	7870.1	6933.0	5989.8	5043.1	4093.7
22.5°	17446.0	16262.7	15033.7	13790.9	12573.6	11463.6	10399.0	9156.4	7718.2	6389.2	5291.1
20°	22011.2	20395.1	18913.1	17188.8	15539.0	14187.9	12984.6	11273.2	9353.1	7737.8	6457.1
17.5°	26349.4	24289.0	22201.3	20060.0	18275.3	16811.5	14949.4	12948.4	10880.0	9006.2	7570.9
15°	30253.3	27419.2	24933.4	22677.7	20523.3	18401.9	16449.8	14470.9	12307.3	10280.9	8588.3
12.5°	32956.5	29986.2	27317.4	24472.2	21959.6	19739.4	17757.7	15773.4	13502.2	11125.2	9156.1
10°	34937.7	31718.6	28602.8	25701.4	23175.2	20924.3	18723.0	16467.7	14012.7	11631.1	9627.9
7.5°	35849.8	32634.2	29569.4	26586.4	23948.4	21593.4	19255.5	16907.8	14377.6	11981.7	10006.8
5°	36275.0	33194.5	30150.1	27042.0	24393.5	22065.7	19688.9	17242.1	14600.0	12192.7	10297.2
2.5°	36663.8	33496.5	30438.6	27235.5	24656.9	22386.2	20067.2	17579.6	14876.4	12412.5	10483.0
0°	36922.0	33806.0	30711.0	27361.5	24805.4	22584.7	20395.6	17879.9	15116.7	12566.0	10594.5
-2.5°	36477.9	33344.2	30299.7	27105.4	24492.7	22304.5	20158.0	17755.4	15070.1	12565.9	10599.1
-5°	35508.6	32416.6	29434.6	26385.4	23779.1	21606.3	19538.6	17294.0	14796.9	12429.0	10535.5
-7.5°	33694.2	30930.9	28224.3	25387.0	22821.5	20657.1	18633.0	16498.3	14195.8	11977.0	10160.1
-10°	31380.6	28841.6	26313.6	23801.3	21544.9	19552.8	17626.4	15629.3	13498.9	11435.6	9724.1
-12.5°	29080.2	26659.0	24251.2	21944.8	19976.7	18142.4	16431.2	14674.1	12719.6	10807.6	9234.1
-15°	26596.2	24412.2	22287.5	20232.4	18328.7	16653.6	15140.3	13571.6	11837.6	10127.3	8694.8
-17.5°	24436.6	22264.5	20316.2	18655.4	16924.6	15221.9	13866.8	12492.8	11013.9	9536.9	8232.7
-20°	22526.9	20685.2	18791.0	17204.5	15725.7	14245.2	12787.3	11482.0	10249.9	9001.0	7833.5



REPORT NUMBER: P731470 (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°	20977.8	19310.9	17639.4	16026.6	14627.8	13364.4	12083.6	10785.9	9536.3	8451.8	7447.2
-25°	19600.7	18026.8	16560.6	15198.8	13778.6	12527.5	11443.7	10293.9	9102.1	7966.4	7090.6
-27.5°	18448.7	17015.2	15693.7	14461.9	13184.6	11956.9	10884.2	9820.6	8714.5	7694.2	6795.0
-30°	17460.0	16214.1	14991.4	13831.4	12662.8	11508.3	10397.1	9387.8	8361.8	7399.8	6549.0
-32.5°	16521.8	15366.0	14252.3	13194.6	12107.2	11024.5	9982.0	8950.3	7963.2	7101.2	6311.9
-35°	15539.2	14466.5	13470.3	12490.7	11514.1	10508.0	9510.0	8499.2	7579.0	6770.3	6037.6
-37.5°	14574.9	13581.4	12660.2	11752.1	10863.1	9944.9	8983.4	8062.1	7191.7	6421.1	5727.5
-40°	13590.5	12691.9	11829.3	10996.8	10167.0	9335.4	8459.2	7603.7	6806.0	6037.5	5386.4
-42.5°	12559.5	11756.8	10978.9	10210.9	9438.4	8681.5	7914.5	7141.9	6393.0	5678.1	5024.8
-45°	11494.2	10799.2	10100.8	9399.5	8691.9	8023.2	7365.1	6657.7	5962.2	5297.1	4651.8
-47.5°	10463.6	9856.0	9218.5	8590.1	7981.8	7374.7	6780.7	6152.8	5514.8	4892.0	4318.6
-50°	9495.5	8941.9	8381.2	7825.7	7289.7	6741.0	6191.0	5638.7	5051.6	4495.1	3971.7
-52.5°	8522.2	8053.2	7575.2	7093.3	6608.5	6105.7	5597.1	5105.1	4587.0	4099.4	3636.2
-55°	7610.9	7197.2	6777.5	6352.1	5928.8	5486.6	5033.1	4585.8	4150.1	3708.0	3309.9
-57.5°	6716.8	6351.2	6005.3	5649.3	5284.8	4897.6	4502.6	4103.1	3718.6	3340.7	2981.0
-60°	5895.6	5587.6	5283.8	4978.5	4673.8	4341.5	3985.6	3635.1	3291.4	2977.5	2672.1
-62.5°	5096.6	4829.4	4578.5	4326.3	4064.2	3781.3	3477.3	3192.3	2905.6	2623.6	2376.1
-65°	4359.8	4137.8	3917.2	3710.0	3501.3	3289.6	3032.0	2779.9	2538.5	2306.1	2089.6
-67.5°	3687.8	3509.0	3333.6	3160.2	2987.0	2810.8	2598.9	2384.9	2186.7	1998.4	1814.4
-70°	3057.0	2913.4	2770.0	2626.3	2485.3	2347.3	2187.2	2018.4	1853.7	1693.5	1533.2
-72.5°	2459.9	2348.7	2237.6	2129.6	2020.1	1912.7	1789.0	1650.7	1513.8	1379.0	1248.8
-75°	1902.7	1820.8	1738.2	1657.7	1574.2	1488.0	1398.2	1295.2	1191.6	1087.6	984.5
-77.5°	1394.8	1338.7	1281.3	1227.7	1172.7	1116.5	1052.7	970.6	893.0	816.3	741.7
-80°	950.1	915.3	879.7	848.2	814.5	778.6	737.4	679.0	621.0	567.3	518.7
-82.5°	577.2	559.9	541.3	523.2	503.4	481.8	457.6	423.6	390.1	357.3	325.4
-85°	287.3	280.4	272.8	265.0	256.5	247.3	237.4	222.9	208.0	192.5	176.7
-87.5°	105.1	102.8	100.4	98.6	96.7	94.6	92.3	87.0	81.6	76.3	71.1
-90°	3.5	3.5	3.5	4.0	4.4	4.9	5.3	5.3	5.3	5.3	5.3



REPORT NUMBER: P731470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.6	13.2	12.7	12.3	12.3	12.3	12.3	12.3	11.9	11.4	11.0
87.5°	9.2	10.4	11.5	12.4	11.7	11.0	10.4	9.7	10.1	10.4	10.5
85°	17.2	17.8	18.5	19.4	18.2	16.7	15.4	14.2	14.5	14.6	14.5
82.5°	29.4	27.8	27.0	26.5	26.3	25.5	24.0	21.8	19.8	18.8	18.5
80°	52.1	46.6	41.7	37.5	35.1	34.4	33.4	31.1	26.4	23.2	21.5
77.5°	73.1	65.4	58.5	51.6	45.5	41.3	39.2	38.2	32.7	27.3	23.7
75°	92.2	82.2	72.9	63.7	54.9	47.6	42.6	39.3	35.1	30.8	25.8
72.5°	105.0	94.3	84.7	74.7	63.2	53.5	45.9	40.4	36.0	31.7	27.3
70°	113.9	103.5	92.5	81.1	69.8	58.8	49.2	42.5	36.9	32.4	28.0
67.5°	119.4	107.6	96.8	86.5	74.8	63.1	52.0	44.9	39.0	33.2	28.6
65°	107.4	103.6	99.2	88.1	77.7	67.1	55.3	47.4	41.0	34.9	29.1
62.5°	91.8	91.9	89.3	86.6	78.4	68.2	58.5	50.5	43.0	36.6	30.3
60°	72.6	76.0	78.6	77.9	75.1	68.1	59.7	53.3	45.3	38.2	31.7
57.5°	58.7	60.9	66.0	69.0	68.2	64.9	60.4	54.7	47.4	39.8	33.1
55°	48.0	52.1	56.2	59.8	61.4	59.5	60.1	55.5	49.1	41.3	34.6
52.5°	42.5	46.6	50.7	53.2	55.0	55.9	58.5	56.4	50.0	42.6	36.3
50°	40.9	45.2	48.3	50.2	50.3	54.5	58.0	56.7	51.0	43.7	38.2
47.5°	47.0	50.7	49.6	49.4	49.3	54.6	58.7	57.7	51.9	44.6	40.3
45°	70.0	64.2	57.6	52.7	52.9	58.5	60.6	59.4	53.8	47.1	42.5
42.5°	110.9	99.7	76.2	57.6	67.7	64.8	63.8	62.4	56.2	50.1	45.1
40°	224.5	157.1	108.5	100.6	92.9	73.4	70.9	66.4	59.5	53.8	47.9
37.5°	382.7	277.3	175.9	179.6	138.4	104.3	79.6	71.3	65.2	58.6	51.0
35°	657.2	462.7	366.6	326.3	234.5	142.5	89.6	78.2	72.2	63.6	54.3
32.5°	996.5	812.9	717.7	549.7	354.6	187.8	117.1	91.1	80.1	68.8	57.8
30°	1570.1	1418.2	1150.4	823.8	524.1	299.2	165.5	106.0	88.7	74.3	61.6
27.5°	2435.1	2132.0	1677.3	1219.8	785.5	434.7	237.1	122.7	98.1	80.5	66.0
25°	3377.0	2941.0	2363.4	1690.7	1080.0	649.8	324.5	142.9	110.6	88.0	70.4
22.5°	4417.5	3777.2	3120.6	2205.4	1406.8	899.6	463.7	209.6	125.1	95.8	74.9
20°	5414.5	4628.3	3877.9	2609.4	1755.7	1190.3	657.7	284.4	140.4	103.8	79.3
17.5°	6382.8	5327.1	4287.2	3049.6	2097.9	1464.7	867.3	365.5	156.1	111.9	83.7
15°	7043.0	5793.9	4670.4	3442.6	2403.6	1722.9	1087.8	450.7	172.1	120.0	90.3
12.5°	7549.0	6216.8	5036.3	3788.8	2674.5	1964.5	1313.8	537.9	188.1	132.6	99.9
10°	7983.5	6594.9	5379.4	4088.8	2912.6	2189.7	1539.9	620.2	212.7	148.8	109.5
7.5°	8348.2	6927.5	5694.1	4343.5	3107.2	2338.3	1678.4	687.1	238.2	165.0	118.9
5°	8632.8	7173.9	5943.0	4517.1	3208.3	2405.1	1783.3	745.5	263.0	180.8	128.2
2.5°	8802.3	7307.8	6131.0	4646.1	3289.1	2454.3	1864.8	794.7	286.7	196.2	137.2
0°	8912.8	7394.2	6272.5	4734.6	3347.8	2487.6	1922.3	833.9	309.0	210.7	145.7
-2.5°	8954.8	7407.1	6292.9	4847.5	3467.0	2590.5	1978.2	942.8	413.3	282.2	191.6
-5°	8931.6	7380.6	6272.0	4918.6	3561.2	2676.1	2013.3	1040.9	514.3	351.6	236.2
-7.5°	8652.4	7224.8	6163.6	4929.3	3629.2	2741.6	2031.5	1128.4	610.5	417.8	279.1
-10°	8279.6	6974.6	5938.6	4780.9	3621.9	2781.0	2041.2	1205.2	700.4	479.9	319.4
-12.5°	7866.2	6691.6	5694.3	4618.9	3589.1	2802.4	2068.0	1276.9	782.7	536.8	356.6
-15°	7418.8	6378.2	5437.5	4451.8	3543.5	2813.2	2082.5	1338.2	857.0	590.8	390.1
-17.5°	6978.5	6036.5	5174.4	4287.1	3488.0	2815.2	2086.6	1385.7	922.7	642.8	425.9
-20°	6739.3	5788.3	4915.8	4132.1	3425.0	2809.9	2082.1	1418.8	979.0	688.7	462.5



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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°	6500.5	5625.7	4791.6	4022.2	3371.9	2798.9	2070.6	1437.0	1025.2	727.9	494.3
-25°	6249.4	5454.7	4671.4	3944.4	3336.4	2758.7	2064.8	1440.1	1060.6	760.1	521.0
-27.5°	6027.2	5281.9	4532.3	3836.4	3266.7	2716.2	2055.7	1474.2	1088.6	784.8	542.3
-30°	5819.1	5107.4	4385.2	3710.0	3171.9	2613.6	2028.6	1495.8	1113.5	805.9	557.9
-32.5°	5604.2	4916.0	4208.0	3586.5	3046.0	2497.1	1952.3	1502.3	1128.3	821.8	571.3
-35°	5353.6	4684.0	4001.2	3433.4	2904.8	2376.9	1866.8	1493.5	1132.7	829.6	579.7
-37.5°	5069.1	4412.4	3805.8	3260.8	2753.6	2247.7	1804.7	1449.4	1126.8	829.3	582.0
-40°	4754.4	4141.0	3581.6	3085.6	2600.1	2110.1	1730.6	1402.8	1116.3	820.8	578.0
-42.5°	4423.5	3876.0	3367.6	2899.8	2441.0	2014.3	1647.8	1347.5	1078.3	807.8	567.7
-45°	4114.1	3606.4	3145.8	2711.2	2281.8	1906.7	1576.4	1285.0	1030.4	788.4	553.6
-47.5°	3794.9	3345.9	2921.3	2511.8	2147.0	1794.3	1495.1	1222.9	976.0	760.3	537.3
-50°	3494.0	3084.0	2695.3	2332.4	1993.2	1692.3	1407.1	1152.9	921.4	713.3	515.6
-52.5°	3210.7	2831.0	2481.6	2152.2	1856.9	1579.9	1318.7	1076.1	860.6	667.4	488.7
-55°	2929.4	2589.9	2273.0	1985.6	1717.8	1465.7	1221.8	998.9	794.0	619.5	457.4
-57.5°	2658.8	2351.1	2081.6	1823.3	1575.3	1342.8	1122.2	914.9	729.2	566.9	427.2
-60°	2386.6	2137.3	1894.5	1654.5	1426.5	1215.8	1018.2	827.8	661.2	511.9	389.2
-62.5°	2140.0	1916.5	1696.8	1477.1	1274.9	1086.6	909.2	741.6	588.2	460.6	346.9
-65°	1887.3	1686.9	1489.6	1301.4	1121.6	953.9	801.1	649.9	520.5	406.1	305.3
-67.5°	1631.6	1456.6	1289.1	1122.0	969.4	825.1	687.2	564.3	451.8	348.7	269.4
-70°	1376.2	1225.0	1087.8	952.9	819.7	694.0	584.5	479.5	379.8	302.0	231.7
-72.5°	1126.4	1008.4	895.4	782.1	675.6	575.2	481.1	395.1	321.3	253.7	192.4
-75°	885.0	796.5	711.4	624.9	536.1	453.8	387.1	323.6	261.0	203.6	158.3
-77.5°	670.3	600.3	531.9	471.8	410.6	353.4	300.2	250.0	201.9	161.4	125.3
-80°	472.2	426.7	382.5	338.8	293.2	251.0	217.3	184.7	150.1	119.0	91.5
-82.5°	293.7	267.8	243.7	219.4	193.1	168.0	144.0	121.2	97.1	75.7	62.9
-85°	161.2	145.6	130.1	114.6	99.0	84.2	77.1	70.0	61.4	53.3	45.7
-87.5°	67.2	63.4	59.5	55.6	51.9	48.3	44.7	41.2	36.7	32.4	28.4
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.7	6.2	6.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.5	10.1	9.7	9.2	8.8	7.9	7.0
87.5°	10.6	10.1	9.7	9.5	9.4	8.2	7.0
85°	14.3	12.8	11.6	10.6	10.0	8.4	7.0
82.5°	17.9	15.4	13.4	11.8	10.6	8.7	7.0
80°	21.1	18.0	15.1	12.9	11.2	9.0	7.0
77.5°	21.9	19.8	16.9	14.0	11.8	9.2	7.0
75°	22.6	20.1	18.3	15.1	12.3	9.5	7.0
72.5°	23.2	20.4	18.3	16.1	12.9	9.7	7.0
70°	23.8	20.6	18.3	16.9	13.4	9.9	7.0
67.5°	24.5	20.8	18.3	16.7	13.9	10.2	7.0
65°	25.2	21.2	18.2	16.5	14.4	10.4	7.0
62.5°	25.9	21.9	18.1	16.3	14.9	10.6	7.0
60°	26.6	22.6	17.9	16.1	15.3	10.8	7.0
57.5°	28.0	23.3	18.5	15.8	15.2	11.0	7.0
55°	29.4	24.0	19.1	15.6	15.0	11.2	7.0
52.5°	30.7	24.8	19.7	15.2	14.9	11.4	7.0
50°	32.0	25.9	20.3	14.9	14.8	11.5	7.0
47.5°	33.4	27.0	20.9	14.7	14.7	11.7	7.0
45°	35.4	28.0	21.4	15.2	14.7	11.8	7.0
42.5°	37.4	29.0	22.0	15.6	14.6	11.9	7.0
40°	39.5	30.0	22.6	16.2	14.6	12.1	7.0
37.5°	41.7	30.9	23.3	17.0	14.6	12.2	7.0
35°	44.0	32.3	24.0	17.9	14.6	12.3	7.0
32.5°	46.4	34.0	24.6	18.8	14.6	12.3	7.0
30°	49.2	35.7	25.1	19.7	14.7	12.4	7.0
27.5°	51.9	37.4	26.9	20.6	14.7	12.5	7.0
25°	54.8	39.0	28.9	21.5	14.8	12.5	7.0
22.5°	57.6	41.5	31.1	22.5	14.9	12.5	7.0
20°	60.4	46.0	33.3	23.4	15.0	12.6	7.0
17.5°	65.5	50.5	35.6	24.3	15.1	12.6	7.0
15°	72.1	55.1	37.9	25.2	15.2	12.6	7.0
12.5°	78.6	59.7	40.2	26.1	15.3	12.5	7.0
10°	85.1	64.2	42.5	27.0	15.4	12.5	7.0
7.5°	91.3	68.6	44.7	27.8	15.5	12.5	7.0
5°	97.4	72.9	46.9	28.5	15.6	12.4	7.0
2.5°	103.2	77.0	49.0	29.2	15.7	12.4	7.0
0°	108.8	80.8	50.9	29.8	15.8	12.3	7.0
-2.5°	136.1	96.6	59.2	33.5	17.0	12.5	7.0
-5°	162.7	111.9	67.2	37.0	18.2	12.7	7.0
-7.5°	188.3	126.5	74.8	40.4	19.4	12.9	7.0
-10°	212.6	140.3	82.0	43.5	20.5	13.1	7.0
-12.5°	235.1	153.0	88.7	46.5	21.5	13.3	7.0
-15°	255.7	164.6	94.8	49.2	22.5	13.4	7.0
-17.5°	274.0	174.7	100.1	51.5	23.5	13.6	7.0
-20°	294.0	183.4	104.7	53.6	24.3	13.7	7.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	317.9	190.4	108.5	55.3	25.0	13.8	7.0
-25°	338.3	201.2	111.3	56.6	25.6	13.9	7.0
-27.5°	354.8	212.0	113.2	57.5	26.2	13.9	7.0
-30°	367.4	220.5	114.5	57.9	26.6	13.9	7.0
-32.5°	375.7	226.4	118.8	57.9	26.9	13.9	7.0
-35°	381.7	229.7	121.6	57.5	27.0	13.9	7.0
-37.5°	384.6	231.2	122.9	56.6	27.0	13.9	7.0
-40°	383.5	232.1	122.6	55.2	26.9	13.8	7.0
-42.5°	378.3	230.4	122.0	53.9	26.7	13.7	7.0
-45°	369.2	226.2	121.2	53.3	26.3	13.6	7.0
-47.5°	356.0	219.5	119.2	51.9	25.8	13.4	7.0
-50°	343.0	210.2	115.8	51.4	25.2	13.2	7.0
-52.5°	327.1	198.5	111.1	50.9	24.4	13.0	7.0
-55°	307.7	188.7	105.2	49.8	23.5	12.8	7.0
-57.5°	285.0	177.8	98.1	48.1	22.5	12.6	7.0
-60°	260.0	165.0	90.0	45.9	21.4	12.3	7.0
-62.5°	239.2	150.5	84.4	43.2	20.6	12.0	7.0
-65°	216.0	134.4	77.9	40.0	19.8	11.7	7.0
-67.5°	190.7	119.4	70.6	36.4	18.9	11.4	7.0
-70°	163.3	105.9	62.5	32.4	17.9	11.1	7.0
-72.5°	140.5	91.3	53.7	29.6	16.9	10.7	7.0
-75°	117.2	75.7	44.3	27.1	15.8	10.3	7.0
-77.5°	92.7	59.3	38.3	24.4	14.7	9.9	7.0
-80°	67.2	47.6	32.9	21.5	13.6	9.6	7.0
-82.5°	52.3	38.5	27.3	18.5	12.4	9.1	7.0
-85°	38.6	29.2	21.5	15.5	11.2	8.7	7.0
-87.5°	24.6	19.7	15.6	12.4	10.0	8.3	7.0
-90°	7.0	7.5	7.9	8.4	8.8	7.9	7.0

(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

