

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: P701456 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-7F-CV2-S**

Issue Date: 8/29/2023

**Test Information**

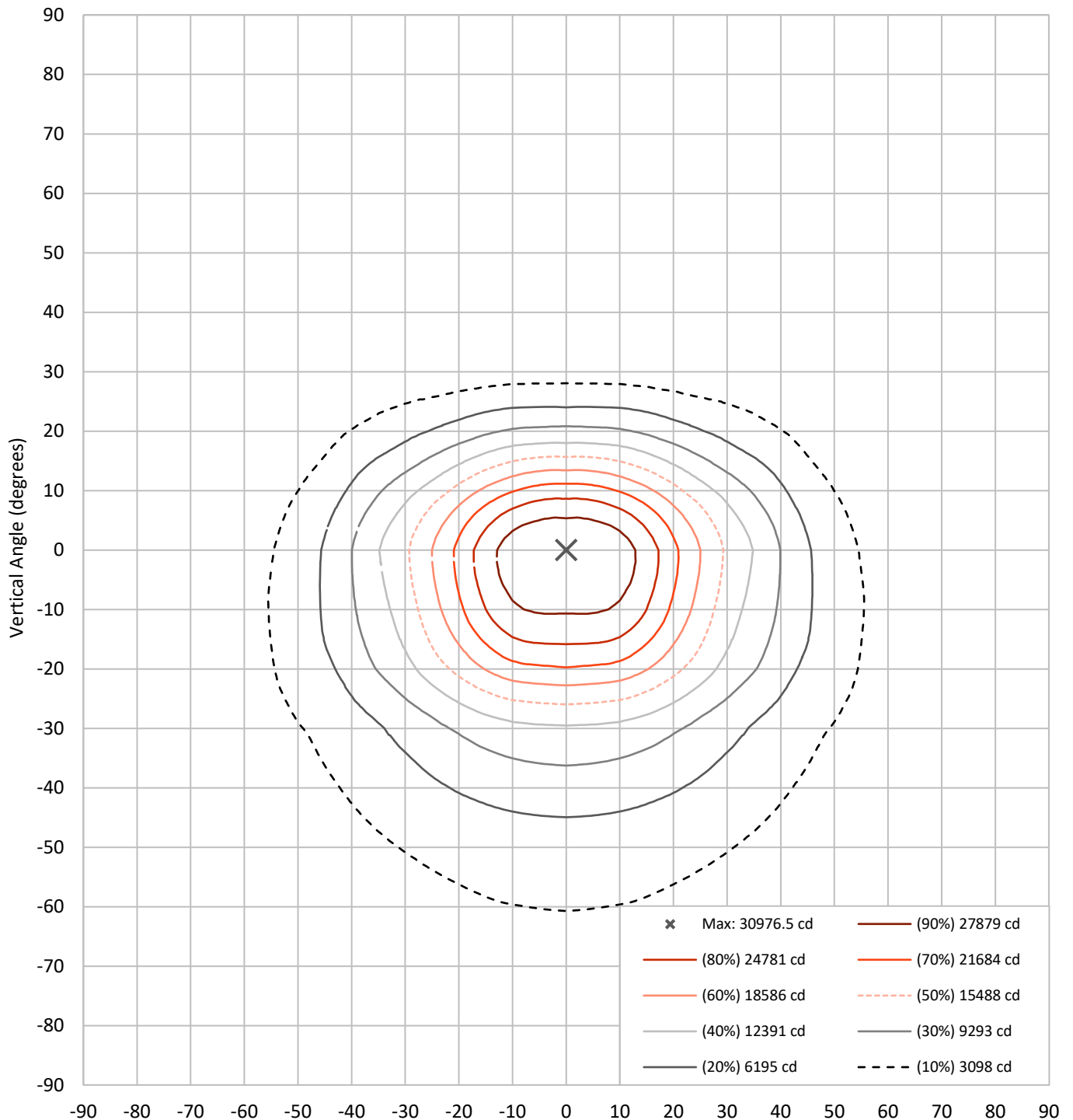
Test Method: LM-79-08  
Report Number: P701456 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-80-7F-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	27100.8 lumens	Max Intensity:	30976.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	13138.2 lumens	Field Lumens:	24613.9 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%
Input Watts (W):	344.2		
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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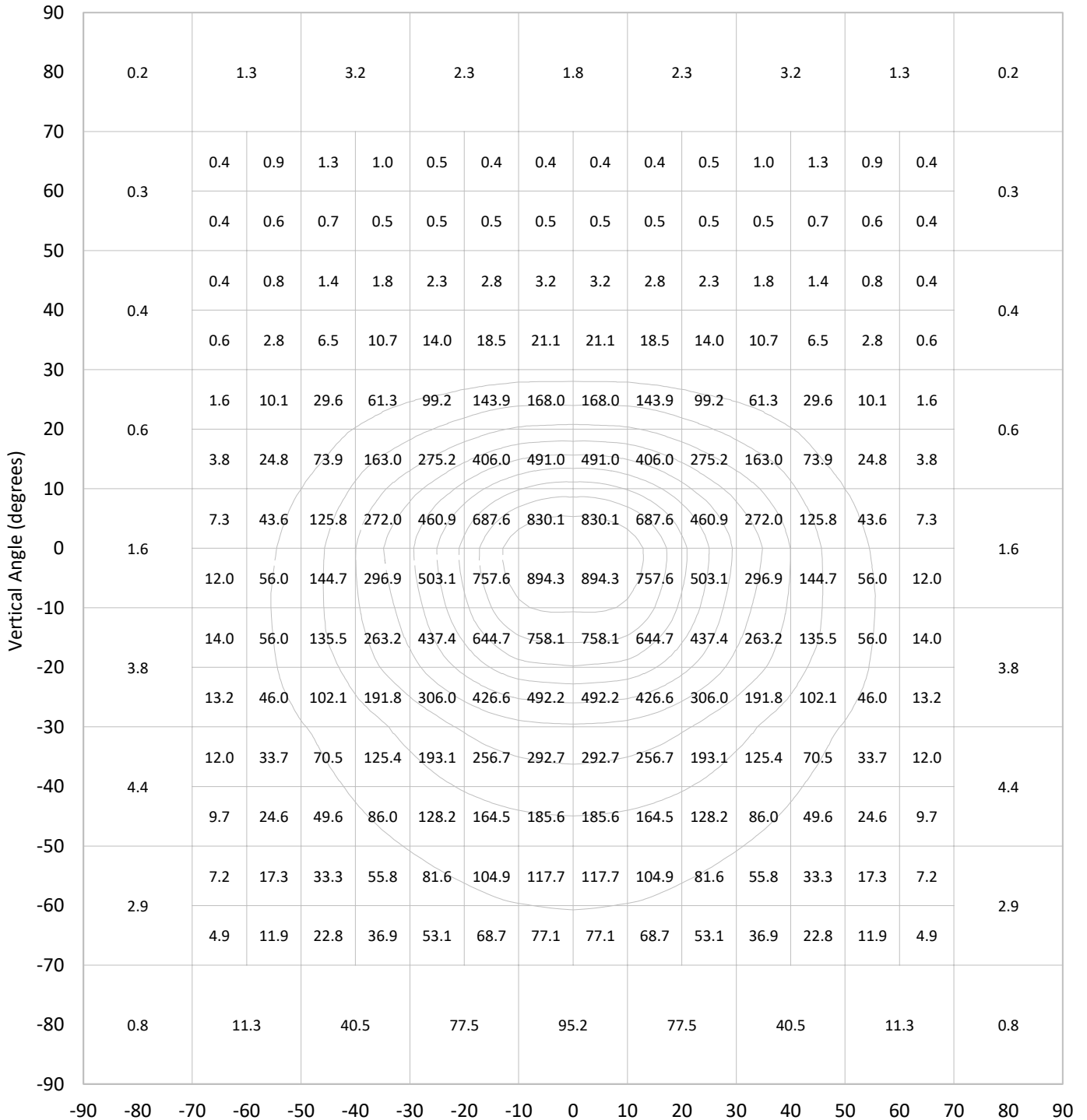
### Iso-Candela Plot





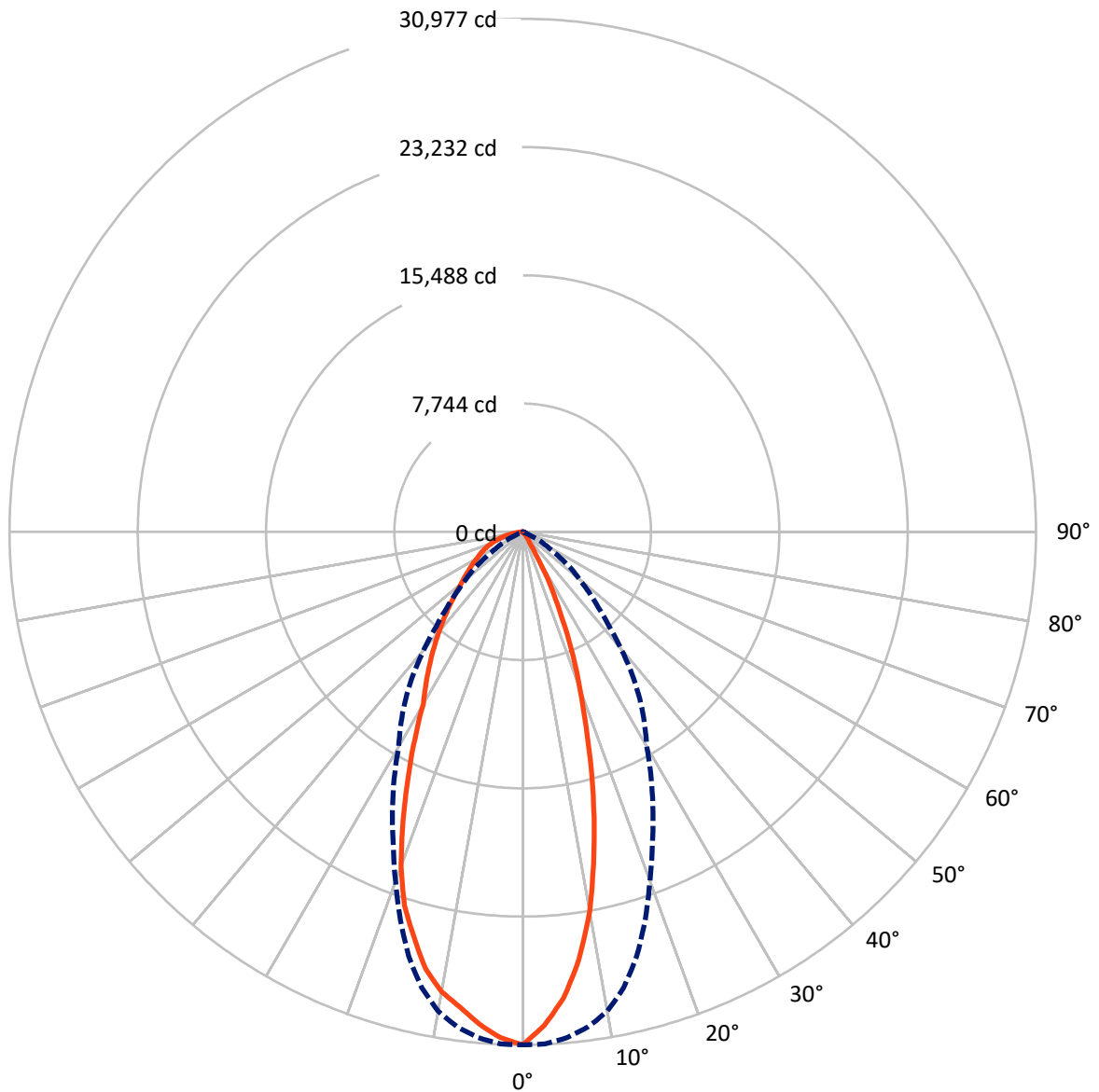
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### Lumen Table



REPORT NUMBER: P701456 (CONVERTED FROM TYPE C PHOTOMETRY)  
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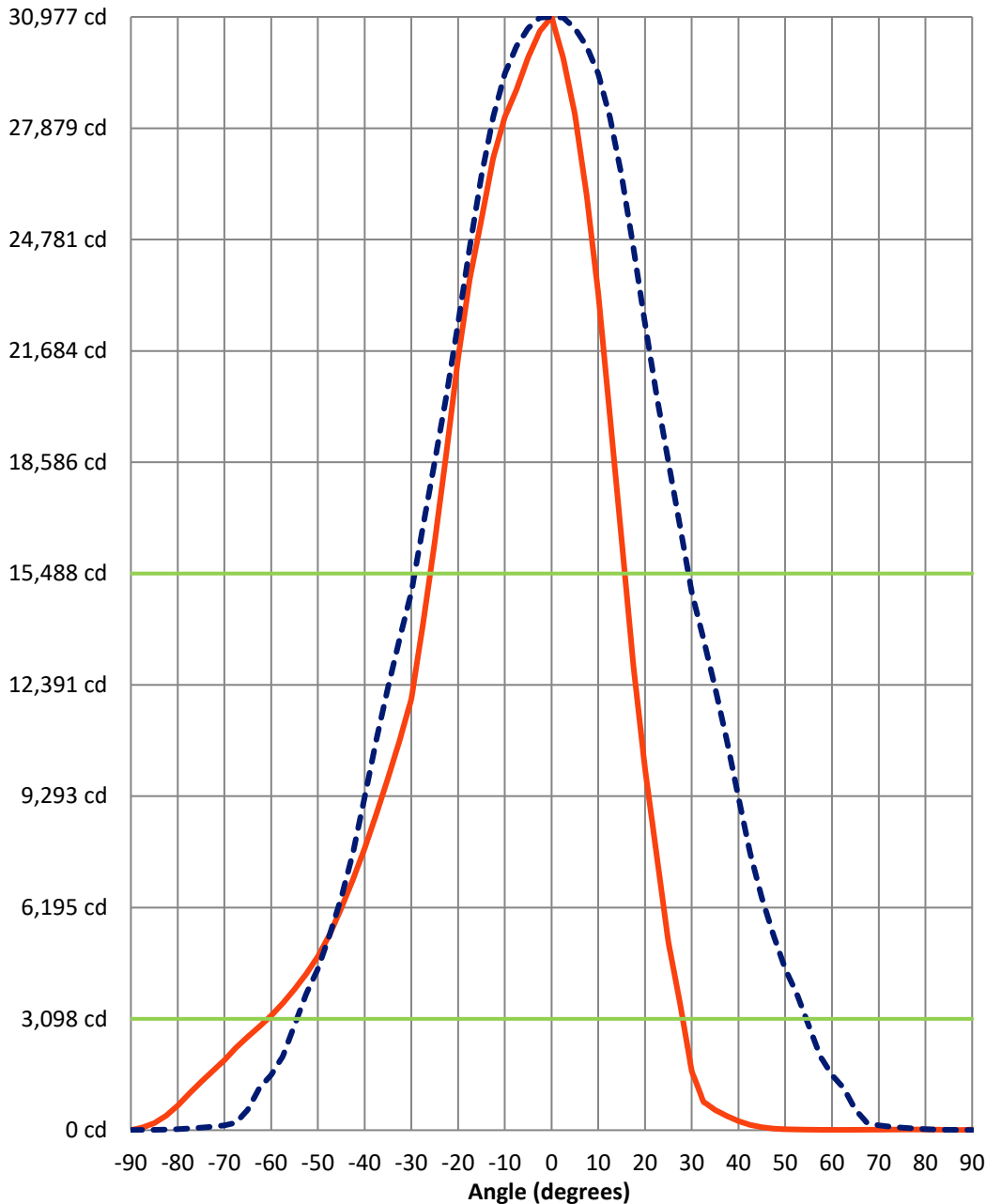
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 58.6°  
 V Angle: 41.6°  
 Lumens: 13138.2  
 Efficiency: 48.5%

**Field:**  
 H Angle: 109°  
 V Angle: 88.8°  
 Lumens: 24613.9  
 Efficiency: 90.8%

**Spill:**  
 Lumens: 2486.9  
 Efficiency: 9.2%

— 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°	4.4	4.9	5.4	5.7	6.0	6.2	6.5	6.8	7.1	7.3	7.6
87.5°	4.4	4.6	4.8	5.1	5.4	5.9	6.4	6.5	6.6	6.7	6.7
85°	4.4	4.7	5.1	5.7	6.5	7.3	8.3	8.6	8.9	9.0	9.0
82.5°	4.4	4.9	5.5	6.4	7.5	8.8	10.3	10.8	11.1	11.8	13.2
80°	4.4	5.0	5.9	7.0	8.5	10.2	12.0	12.3	13.4	15.5	18.5
77.5°	4.4	5.2	6.2	7.7	9.5	11.1	12.2	13.3	15.6	19.0	22.5
75°	4.4	5.4	6.6	8.3	10.2	11.2	12.4	14.2	17.4	20.3	23.2
72.5°	4.4	5.5	7.0	8.9	10.2	11.2	12.5	14.9	17.9	20.9	23.8
70°	4.4	5.7	7.3	9.4	10.1	11.2	12.7	15.3	18.3	21.4	24.8
67.5°	4.4	5.8	7.6	9.2	10.0	11.2	13.1	15.7	18.7	22.2	25.7
65°	4.4	6.0	7.9	9.1	9.9	11.4	13.5	16.0	19.5	23.1	27.0
62.5°	4.4	6.1	8.3	9.0	9.8	11.7	13.9	16.4	20.1	24.0	28.9
60°	4.4	6.2	8.5	8.8	9.6	12.1	14.3	17.0	20.7	25.6	30.8
57.5°	4.4	6.4	8.5	8.7	9.9	12.4	15.0	17.5	21.8	27.1	31.7
55°	4.4	6.5	8.4	8.5	10.2	12.8	15.7	18.3	23.0	28.2	32.2
52.5°	4.4	6.6	8.4	8.3	10.5	13.2	16.4	19.5	24.0	28.8	32.8
50°	4.4	6.7	8.3	8.1	10.8	13.8	17.1	20.8	24.9	29.4	31.9
47.5°	4.4	6.8	8.3	8.0	11.0	14.4	17.8	22.1	25.4	30.0	30.9
45°	4.4	6.9	8.3	8.2	11.3	15.0	18.9	23.4	26.8	29.3	30.1
42.5°	4.4	7.0	8.3	8.3	11.5	15.5	20.0	24.7	28.4	28.7	29.2
40°	4.4	7.1	8.3	8.7	11.8	16.1	21.1	26.2	29.9	28.5	28.6
37.5°	4.4	7.2	8.4	9.1	12.2	16.7	22.2	27.8	31.2	30.1	28.3
35°	4.4	7.3	8.4	9.6	12.7	17.4	23.2	29.5	32.9	32.5	30.4
32.5°	4.4	7.3	8.5	10.1	13.0	18.2	24.3	31.3	34.9	35.6	39.0
30°	4.4	7.4	8.6	10.6	13.4	18.9	25.7	33.2	37.3	39.4	47.9
27.5°	4.4	7.5	8.6	11.1	14.5	19.7	27.1	35.0	40.2	43.7	56.9
25°	4.4	7.5	8.7	11.6	15.7	20.3	28.5	37.1	43.6	50.4	67.0
22.5°	4.4	7.6	8.8	12.1	16.9	21.5	30.0	39.2	47.4	58.1	99.4
20°	4.4	7.6	8.9	12.6	18.2	24.3	31.4	41.5	51.4	65.7	133.6
17.5°	4.4	7.6	9.0	13.1	19.5	27.1	35.0	43.9	55.7	73.2	169.1
15°	4.4	7.6	9.1	13.7	20.9	30.1	40.1	48.7	60.1	80.6	205.2
12.5°	4.4	7.6	9.3	14.1	22.2	33.1	45.3	56.7	69.3	87.7	241.1
10°	4.4	7.6	9.4	14.6	23.5	36.2	50.6	64.8	82.4	109.3	288.4
7.5°	4.4	7.6	9.5	15.1	24.8	39.3	55.8	73.0	95.7	133.6	361.9
5°	4.4	7.6	9.6	15.5	26.0	42.3	60.9	81.1	109.0	158.3	435.1
2.5°	4.4	7.6	9.7	15.9	27.2	45.2	65.9	89.1	122.1	182.8	505.6
0°	4.4	7.6	9.8	16.3	28.3	47.9	70.7	96.8	134.9	206.6	571.0
-2.5°	4.4	7.7	10.5	18.7	33.8	58.1	89.0	127.1	182.6	283.7	672.1
-5°	4.4	7.9	11.2	21.1	39.2	68.1	106.8	156.6	228.9	358.0	764.4
-7.5°	4.4	8.0	11.9	23.3	44.3	77.6	123.9	184.8	273.2	428.1	846.7
-10°	4.4	8.1	12.5	25.4	49.1	86.6	139.9	211.5	314.8	492.7	917.8
-12.5°	4.4	8.2	13.1	27.4	53.6	94.9	154.8	236.1	352.9	548.2	944.7
-15°	4.4	8.3	13.7	29.2	57.7	102.5	168.1	258.3	386.3	582.1	948.9
-17.5°	4.4	8.4	14.2	30.9	61.4	109.2	179.8	279.4	415.1	611.1	947.3
-20°	4.4	8.5	14.7	32.3	64.5	114.9	191.3	299.2	440.1	635.0	940.8



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	8.5	15.1	33.4	67.1	119.6	203.4	316.0	460.8	653.5	929.8
-25°	4.4	8.6	15.5	34.3	69.1	125.8	213.5	329.8	477.1	666.5	915.1
-27.5°	4.4	8.6	15.8	34.9	70.5	131.7	221.4	340.3	488.8	677.3	924.4
-30°	4.4	8.6	16.1	35.2	71.4	136.1	226.9	347.4	498.5	688.6	928.1
-32.5°	4.4	8.6	16.2	35.3	73.6	139.0	230.1	352.9	505.3	693.6	924.8
-35°	4.4	8.6	16.3	35.0	74.9	140.3	232.6	355.6	507.4	692.2	914.5
-37.5°	4.4	8.6	16.4	34.4	75.3	140.6	233.5	354.8	504.6	684.2	869.9
-40°	4.4	8.5	16.3	33.4	74.9	140.7	232.0	350.5	496.9	674.6	825.2
-42.5°	4.4	8.5	16.2	32.5	74.2	139.3	228.0	342.6	487.0	642.1	777.6
-45°	4.4	8.4	16.0	31.9	73.5	136.4	221.7	332.9	473.8	604.7	728.5
-47.5°	4.4	8.3	15.7	30.9	72.0	132.1	212.9	322.1	455.6	565.6	684.8
-50°	4.4	8.2	15.3	30.6	69.7	126.3	204.8	308.1	423.8	529.7	639.1
-52.5°	4.4	8.1	14.9	30.3	66.7	119.1	195.1	290.9	393.8	492.3	592.1
-55°	4.4	7.9	14.4	29.6	62.9	113.0	183.4	271.2	363.9	453.4	549.1
-57.5°	4.4	7.8	13.9	28.5	58.5	106.3	169.9	253.3	332.6	416.9	504.6
-60°	4.4	7.6	13.2	27.2	53.5	98.5	155.0	230.8	300.9	380.0	460.2
-62.5°	4.4	7.4	12.7	25.5	49.9	89.7	142.4	206.0	271.4	341.7	417.4
-65°	4.4	7.3	12.2	23.5	45.7	79.9	128.5	181.7	240.3	304.6	373.2
-67.5°	4.4	7.1	11.7	21.2	41.1	70.6	113.3	160.3	207.9	266.5	328.6
-70°	4.4	6.8	11.1	18.7	35.9	61.9	97.0	137.8	180.0	226.9	282.7
-72.5°	4.4	6.6	10.4	17.1	30.3	52.5	82.4	114.4	151.1	191.9	236.4
-75°	4.4	6.4	9.8	15.6	24.4	42.6	67.4	93.2	121.2	155.7	193.5
-77.5°	4.4	6.2	9.1	14.1	21.0	32.1	51.7	72.4	95.0	120.1	149.2
-80°	4.4	5.9	8.4	12.5	18.1	25.4	35.3	51.1	68.7	88.3	109.7
-82.5°	4.4	5.7	7.6	10.8	15.2	20.7	27.4	33.8	41.9	55.9	71.2
-85°	4.4	5.4	6.9	9.1	12.1	15.9	20.5	24.9	29.7	34.9	40.6
-87.5°	4.4	5.2	6.2	7.4	9.1	11.1	13.5	15.8	18.4	21.2	24.1
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4





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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.9	8.2	8.4	8.7	9.0	9.3	9.5	9.8	10.4	10.9	11.5
87.5°	7.0	7.4	7.7	8.1	7.4	6.6	5.7	4.8	5.0	5.3	5.6
85°	9.6	10.3	11.3	12.0	11.5	11.0	10.6	10.4	11.0	11.5	11.8
82.5°	14.5	15.5	16.1	16.4	16.7	17.3	18.2	20.1	21.3	22.0	22.4
80°	20.0	20.7	21.4	22.9	25.4	28.5	32.0	35.9	37.0	36.8	36.1
77.5°	23.4	24.8	27.3	31.0	35.3	39.7	44.5	49.7	51.1	50.5	49.4
75°	25.4	28.4	32.7	38.0	43.5	49.4	55.6	61.3	62.7	60.9	58.7
72.5°	27.1	31.6	37.3	44.1	50.6	56.6	62.9	69.6	72.1	69.0	65.0
70°	28.7	34.3	41.2	48.6	56.0	62.4	68.5	75.6	80.2	74.5	65.6
67.5°	30.0	37.1	44.6	52.2	58.5	64.8	72.3	75.4	77.1	67.9	58.4
65°	32.1	39.6	46.4	52.7	59.3	62.4	64.9	67.2	66.3	55.9	45.8
62.5°	34.1	40.2	46.5	51.6	53.7	55.6	55.3	53.0	49.6	43.2	35.3
60°	34.8	40.1	44.6	46.8	47.5	45.8	43.2	41.2	38.3	32.7	27.5
57.5°	35.2	38.3	40.8	41.5	39.5	36.8	35.8	32.9	30.8	27.3	22.6
55°	35.0	35.4	36.6	35.2	33.6	32.6	31.0	30.1	27.1	23.8	20.3
52.5°	33.5	32.9	31.8	31.2	31.6	31.4	30.8	29.3	26.6	23.3	21.3
50°	32.1	30.2	28.5	30.9	33.1	34.9	32.1	30.4	30.3	28.7	25.6
47.5°	30.5	28.0	29.5	33.2	39.5	41.8	37.9	37.8	39.1	42.1	38.4
45°	29.0	29.9	32.4	41.7	49.4	52.9	53.5	49.3	59.7	63.2	62.1
42.5°	27.9	34.1	45.2	51.8	64.1	71.8	74.8	81.0	87.2	94.7	96.7
40°	32.0	39.6	64.6	75.7	83.4	96.4	112.2	122.5	124.4	135.8	141.0
37.5°	37.3	61.6	91.1	110.2	109.8	132.4	156.0	180.8	194.7	183.8	209.1
35°	43.4	87.5	129.3	157.2	164.3	178.3	220.0	267.3	313.1	286.3	299.4
32.5°	61.3	117.2	174.0	216.7	258.2	267.6	293.5	421.9	505.0	506.3	439.5
30°	90.6	158.9	227.2	285.5	381.6	425.7	466.8	626.3	766.0	856.0	875.1
27.5°	127.3	206.7	292.4	397.3	533.4	613.0	746.4	917.6	1137.4	1302.1	1415.9
25°	168.6	280.5	363.5	538.7	714.7	860.7	1048.0	1283.6	1592.0	1855.9	2102.2
22.5°	221.7	366.2	476.5	697.1	915.6	1128.6	1388.6	1727.5	2119.9	2463.0	2812.1
20°	288.5	463.5	623.8	892.5	1144.0	1400.4	1734.0	2205.2	2701.9	3187.0	3640.0
17.5°	360.8	566.1	788.8	1115.7	1456.0	1745.9	2095.3	2701.3	3314.9	3981.1	4640.8
15°	436.9	672.3	952.3	1359.3	1790.9	2185.7	2647.7	3265.2	3994.8	4849.3	5700.4
12.5°	515.1	780.5	1112.8	1617.0	2140.3	2633.5	3221.9	3926.4	4764.0	5777.4	6809.4
10°	593.5	888.8	1268.4	1882.2	2497.3	3083.5	3781.5	4564.8	5522.5	6661.1	7828.5
7.5°	735.4	1031.1	1429.8	2147.5	2854.5	3529.1	4321.8	5175.9	6240.8	7506.6	8783.4
5°	887.0	1206.4	1649.9	2425.8	3191.8	3920.0	4807.6	5754.1	6913.3	8302.8	9687.4
2.5°	1034.2	1375.0	1860.0	2685.7	3502.0	4218.2	5134.3	6129.5	7357.2	8858.7	10374.0
0°	1172.5	1535.7	2057.8	2921.3	3787.1	4487.5	5424.0	6463.7	7708.0	9256.7	10851.2
-2.5°	1297.4	1682.6	2224.3	3065.4	3875.1	4554.2	5497.3	6540.0	7770.6	9258.2	10732.2
-5°	1407.2	1819.5	2375.1	3185.8	3940.9	4598.4	5532.1	6570.7	7777.6	9191.6	10567.8
-7.5°	1500.7	1945.6	2509.3	3272.4	3975.9	4633.8	5539.5	6559.8	7736.5	9070.6	10373.8
-10°	1563.1	1997.6	2517.7	3249.9	3966.3	4648.1	5514.1	6507.3	7640.3	8898.9	10133.3
-12.5°	1522.8	1978.3	2487.8	3199.8	3933.2	4629.6	5455.1	6415.1	7490.7	8686.1	9849.1
-15°	1477.1	1946.5	2439.0	3121.3	3876.7	4576.3	5364.1	6285.5	7234.1	8337.8	9485.4
-17.5°	1428.3	1901.4	2370.7	3013.6	3797.1	4486.3	5195.7	5943.7	6814.0	7896.6	9030.2
-20°	1378.8	1842.6	2282.5	2876.2	3687.7	4257.6	4838.2	5533.7	6358.9	7366.6	8501.4



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1330.4	1769.9	2189.5	2755.5	3396.4	3934.1	4458.8	5084.5	5834.0	6745.9	7740.4
-25°	1294.0	1694.5	2099.4	2558.2	3090.1	3605.6	4051.6	4606.3	5288.1	6068.1	6854.9
-27.5°	1265.7	1627.6	1971.9	2363.4	2802.3	3274.3	3670.4	4146.7	4788.6	5413.4	6020.6
-30°	1235.6	1539.2	1842.8	2183.9	2571.8	2963.1	3306.9	3771.7	4342.8	4882.0	5365.3
-32.5°	1177.6	1445.7	1729.7	2037.1	2362.4	2684.8	3044.5	3484.9	3962.2	4425.8	4813.6
-35°	1108.7	1358.0	1620.8	1892.1	2166.9	2478.6	2836.9	3214.6	3618.6	4037.7	4479.6
-37.5°	1051.0	1266.6	1508.7	1757.7	2011.5	2301.8	2622.3	2969.2	3327.3	3702.1	4134.7
-40°	988.9	1172.0	1402.2	1632.9	1866.4	2127.7	2422.3	2729.9	3050.9	3405.8	3780.2
-42.5°	924.3	1098.6	1295.8	1505.6	1724.7	1958.7	2215.0	2501.0	2796.0	3107.8	3442.2
-45°	868.6	1021.4	1190.8	1386.2	1581.1	1788.1	2019.7	2268.9	2545.7	2823.2	3114.3
-47.5°	810.1	944.7	1102.0	1265.0	1444.0	1627.5	1821.3	2056.1	2295.2	2549.6	2801.8
-50°	751.7	877.7	1009.7	1159.9	1313.5	1474.3	1644.3	1854.2	2073.6	2287.5	2508.6
-52.5°	699.4	808.0	931.9	1059.4	1196.3	1335.8	1493.4	1676.1	1869.3	2059.8	2256.7
-55°	645.2	747.0	856.0	970.9	1088.3	1212.3	1357.5	1520.2	1679.1	1856.4	2032.6
-57.5°	593.9	687.8	786.9	888.3	993.8	1101.0	1240.7	1375.9	1523.6	1670.7	1823.6
-60°	543.8	630.7	721.6	813.6	905.0	1012.5	1131.1	1257.0	1382.6	1507.8	1650.7
-62.5°	493.0	576.2	659.0	742.4	827.3	927.0	1040.0	1150.9	1258.0	1377.2	1498.5
-65°	444.6	520.4	598.6	675.6	751.1	847.7	949.5	1054.5	1158.6	1258.6	1361.7
-67.5°	394.2	463.4	535.5	609.6	682.2	766.0	856.9	952.5	1049.6	1141.7	1236.1
-70°	341.4	403.7	468.8	536.0	606.3	681.0	758.9	842.5	928.5	1009.9	1092.0
-72.5°	286.4	340.4	397.9	458.8	519.9	584.0	652.2	724.1	794.5	862.6	933.6
-75°	232.8	275.2	323.3	374.6	426.7	480.8	537.7	596.4	652.9	708.3	765.3
-77.5°	180.3	213.8	250.3	289.6	328.6	370.6	415.1	461.9	505.9	549.0	592.7
-80°	130.0	151.1	177.7	206.8	236.2	266.2	297.0	328.4	356.5	386.0	417.8
-82.5°	85.6	100.8	116.6	133.2	149.9	167.1	185.8	208.0	226.6	244.9	263.4
-85°	45.2	49.9	59.5	69.6	79.4	89.5	100.0	110.9	120.5	129.7	138.4
-87.5°	26.6	29.1	31.6	34.3	36.4	38.6	40.8	42.9	45.8	48.8	51.8
-90°	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	3.3	3.3	3.3



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	12.0	12.5	13.1	13.6	14.1	14.4	14.7	14.9	15.2	15.5	15.8
87.5°	5.9	5.8	5.6	5.4	5.2	6.5	7.8	9.2	10.6	9.6	8.6
85°	12.1	12.0	12.0	11.8	11.7	13.5	15.3	17.2	19.0	17.4	15.6
82.5°	22.3	21.9	21.1	20.1	18.7	18.5	18.1	17.5	16.7	15.9	15.2
80°	35.1	33.5	31.3	28.8	25.9	24.4	22.8	21.2	19.3	18.8	18.3
77.5°	47.5	44.3	40.6	36.5	32.2	29.5	27.1	24.5	21.8	21.0	20.6
75°	56.1	52.1	46.5	40.7	34.6	30.5	27.4	24.4	21.5	20.4	19.8
72.5°	60.0	54.1	47.3	39.5	32.0	27.1	24.1	21.4	18.8	17.7	17.2
70°	57.0	48.7	41.0	33.5	26.5	21.9	19.7	17.8	16.2	15.4	15.0
67.5°	48.6	40.1	32.8	26.3	20.9	17.3	16.1	15.0	14.1	13.5	13.3
65°	37.6	31.1	25.4	20.8	17.1	14.7	13.8	12.9	12.0	11.5	11.3
62.5°	28.5	23.5	19.8	16.9	14.6	13.0	12.3	11.7	11.2	10.8	10.6
60°	22.8	18.6	16.3	14.7	13.4	12.2	12.0	11.9	11.7	11.5	11.1
57.5°	19.6	16.9	15.2	14.8	14.3	13.5	13.3	13.2	12.7	12.0	11.6
55°	18.7	18.0	17.3	17.6	17.6	16.9	16.0	15.3	14.7	14.0	14.1
52.5°	20.8	22.2	22.9	22.9	21.8	20.2	18.3	18.5	18.9	19.2	19.6
50°	27.8	29.5	29.5	27.1	26.9	26.0	23.8	24.8	26.2	26.5	26.7
47.5°	38.5	40.3	41.4	37.2	37.9	40.2	37.7	37.1	41.6	43.7	44.7
45°	56.2	63.1	65.1	66.4	64.5	70.5	70.6	67.8	76.7	81.6	83.2
42.5°	93.7	105.3	114.5	117.2	115.0	122.5	128.2	127.8	139.0	147.0	149.1
40°	156.8	167.8	180.9	185.8	187.9	194.7	209.2	218.5	229.8	242.3	248.6
37.5°	237.8	254.9	257.6	267.6	280.3	286.7	308.7	327.4	342.7	366.1	381.1
35°	356.3	401.6	352.8	375.9	408.1	411.8	431.7	475.0	485.8	526.7	549.3
32.5°	575.1	659.5	648.4	569.9	638.9	717.2	630.0	785.2	771.3	815.0	870.5
30°	907.6	1153.1	1180.3	1065.5	1257.1	1361.0	1344.4	1498.9	1598.0	1585.7	1778.0
27.5°	1619.2	1816.0	1905.4	2070.2	2173.7	2327.0	2596.9	2754.2	3037.0	3185.4	3363.3
25°	2389.3	2622.1	2909.3	3192.7	3408.0	3747.8	4126.6	4424.4	4824.7	5075.8	5258.8
22.5°	3221.8	3632.9	4032.7	4427.6	4862.3	5330.2	5777.1	6293.1	6780.3	7140.0	7412.0
20°	4134.5	4703.4	5268.9	5811.0	6353.4	6979.1	7532.4	8152.5	8750.9	9271.2	9629.5
17.5°	5262.7	5857.6	6579.8	7305.2	8007.8	8782.6	9599.8	10295.2	11134.4	11827.4	12348.7
15°	6491.5	7236.4	8024.7	8932.0	9880.9	10839.5	11830.8	12853.1	13808.4	14694.4	15358.1
12.5°	7760.4	8687.5	9648.1	10652.7	11752.9	12946.0	14191.6	15408.4	16589.6	17563.5	18474.1
10°	8979.2	10138.0	11252.5	12429.7	13696.7	15031.4	16490.1	17939.5	19312.3	20512.0	21491.9
7.5°	10047.2	11305.2	12591.1	14034.5	15538.4	17034.1	18614.5	20240.3	21802.8	23185.6	24331.2
5°	11051.1	12363.6	13666.3	15219.2	16878.5	18594.9	20384.2	22210.5	23897.4	25460.9	26729.6
2.5°	11833.9	13214.4	14553.9	16256.6	18007.5	19755.5	21580.0	23576.8	25458.6	27158.0	28402.9
0°	12311.8	13674.6	14968.9	16796.1	18597.2	20432.0	22444.1	24569.3	26551.0	28179.1	29391.8
-2.5°	12146.6	13476.2	14880.3	16675.1	18579.2	20414.3	22449.7	24594.5	26563.3	28217.7	29402.0
-5°	11919.6	13223.1	14644.2	16440.1	18298.4	20131.4	22138.2	24247.4	26181.0	27808.6	28930.1
-7.5°	11640.5	12898.7	14284.4	16026.1	17874.1	19709.3	21662.7	23658.4	25507.6	27125.5	28180.9
-10°	11310.7	12503.4	13874.3	15549.5	17383.4	19152.4	21008.5	22985.1	24841.0	26312.3	27445.1
-12.5°	10968.4	12130.4	13403.5	14988.5	16744.1	18388.8	20161.0	22064.3	23699.3	25204.0	26199.5
-15°	10576.5	11690.9	12884.7	14345.6	15936.7	17476.2	19015.6	20694.0	22185.9	23523.9	24581.6
-17.5°	10122.9	11178.8	12226.4	13540.1	15063.5	16438.5	17786.3	19247.9	20574.1	21802.6	22718.3
-20°	9496.4	10365.3	11371.9	12628.6	13948.3	15108.1	16337.9	17565.6	18746.4	19786.3	20561.7



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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°	8599.0	9444.5	10377.0	11404.8	12509.0	13574.3	14627.0	15631.5	16592.2	17457.5	18081.7
-25°	7643.8	8416.0	9257.8	10112.2	10993.8	11948.1	12871.4	13700.6	14490.6	15159.2	15673.3
-27.5°	6694.7	7424.9	8161.0	8850.4	9555.6	10352.8	11160.8	11855.1	12524.1	13047.8	13448.7
-30°	5846.9	6627.6	7275.7	7744.8	8428.2	9127.5	9651.5	10283.1	10810.2	11144.4	11575.1
-32.5°	5379.8	5968.6	6556.2	7038.5	7581.6	8195.1	8691.2	9207.3	9652.2	10011.3	10282.2
-35°	4953.7	5471.0	5967.5	6463.8	6948.6	7441.5	7898.8	8334.4	8728.9	9046.6	9297.5
-37.5°	4570.8	5018.7	5468.1	5896.2	6331.7	6743.7	7136.3	7511.9	7843.7	8130.0	8366.5
-40°	4184.3	4584.4	4979.6	5366.7	5747.6	6083.9	6421.5	6731.9	7011.8	7265.1	7472.0
-42.5°	3796.2	4153.2	4499.4	4850.6	5188.6	5480.4	5759.1	6015.7	6255.8	6471.7	6650.1
-45°	3414.6	3729.9	4035.0	4346.8	4631.7	4897.8	5140.7	5356.8	5563.0	5745.0	5895.0
-47.5°	3070.7	3327.5	3599.7	3865.9	4113.2	4352.8	4565.3	4755.4	4936.4	5090.5	5212.9
-50°	2751.1	2985.6	3215.0	3430.6	3661.8	3871.9	4051.7	4226.9	4391.5	4529.0	4632.2
-52.5°	2450.6	2666.9	2873.3	3074.5	3275.0	3461.9	3634.4	3794.7	3938.4	4064.4	4153.9
-55°	2212.8	2389.5	2556.6	2750.2	2934.3	3100.4	3254.9	3410.5	3549.1	3671.5	3746.2
-57.5°	1987.5	2147.1	2306.2	2473.5	2635.4	2791.5	2938.1	3074.5	3202.1	3316.7	3381.1
-60°	1786.5	1915.3	2066.6	2221.0	2367.8	2507.1	2644.7	2772.6	2891.3	2991.0	3047.9
-62.5°	1618.2	1740.5	1868.5	1997.4	2124.5	2254.1	2379.0	2497.8	2610.5	2701.3	2756.6
-65°	1469.7	1580.5	1692.4	1806.6	1922.3	2036.5	2142.8	2247.2	2349.0	2426.8	2476.6
-67.5°	1330.0	1425.3	1519.3	1616.5	1716.2	1814.7	1908.5	2001.0	2091.6	2154.3	2193.4
-70°	1176.8	1261.0	1341.9	1423.7	1505.1	1585.2	1662.7	1740.1	1816.5	1866.9	1900.2
-72.5°	1007.0	1077.3	1143.0	1208.4	1275.0	1340.8	1404.5	1466.5	1526.4	1565.4	1594.3
-75°	823.7	877.3	928.4	979.9	1031.6	1085.0	1137.7	1188.2	1236.2	1265.5	1287.9
-77.5°	637.1	675.0	711.0	747.3	783.6	825.0	866.9	907.6	946.8	967.5	982.9
-80°	449.9	476.5	501.1	524.6	546.9	573.3	599.9	625.7	650.4	662.3	670.9
-82.5°	281.9	297.4	312.1	325.9	339.0	353.1	366.5	379.0	390.5	396.2	400.5
-85°	146.6	153.4	159.7	165.5	170.8	177.3	183.5	189.2	194.5	196.2	197.3
-87.5°	54.7	56.8	58.7	60.6	62.4	64.9	67.3	69.7	72.0	72.6	73.1
-90°	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2	2.2	2.2



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	16.0	16.3	16.3	16.3	16.3	16.3	16.0	15.8	15.5	15.2	14.9
87.5°	7.6	6.5	5.9	5.4	5.9	6.5	7.6	8.6	9.6	10.6	9.2
85°	13.8	12.0	11.4	10.9	11.4	12.0	13.8	15.6	17.4	19.0	17.2
82.5°	14.6	14.1	14.1	14.1	14.1	14.1	14.6	15.2	15.9	16.7	17.5
80°	17.9	17.4	17.4	17.4	17.4	17.4	17.9	18.3	18.8	19.3	21.2
77.5°	20.1	19.6	19.6	19.6	19.6	19.6	20.1	20.6	21.0	21.8	24.5
75°	19.2	18.6	18.5	18.5	18.5	18.6	19.2	19.8	20.4	21.5	24.4
72.5°	16.8	16.4	16.3	16.3	16.3	16.4	16.8	17.2	17.7	18.8	21.4
70°	14.6	14.2	14.1	14.1	14.1	14.2	14.6	15.0	15.4	16.2	17.8
67.5°	13.2	13.1	13.1	13.1	13.1	13.1	13.2	13.3	13.5	14.1	15.0
65°	11.1	11.0	10.9	10.9	10.9	11.0	11.1	11.3	11.5	12.0	12.9
62.5°	10.3	9.9	9.3	8.7	9.3	9.9	10.3	10.6	10.8	11.2	11.7
60°	10.6	10.0	9.8	9.8	9.8	10.0	10.6	11.1	11.5	11.7	11.9
57.5°	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.6	12.0	12.7	13.2
55°	14.1	14.0	14.1	14.1	14.1	14.0	14.1	14.1	14.0	14.7	15.3
52.5°	19.7	19.5	19.5	19.6	19.5	19.5	19.7	19.6	19.2	18.9	18.5
50°	27.0	27.0	26.7	26.1	26.7	27.0	27.0	26.7	26.5	26.2	24.8
47.5°	45.3	44.7	43.9	43.5	43.9	44.7	45.3	44.7	43.7	41.6	37.1
45°	85.2	84.5	83.3	82.7	83.3	84.5	85.2	83.2	81.6	76.7	67.8
42.5°	152.6	151.4	148.5	146.8	148.5	151.4	152.6	149.1	147.0	139.0	127.8
40°	255.8	257.1	254.9	253.4	254.9	257.1	255.8	248.6	242.3	229.8	218.5
37.5°	393.1	398.8	398.0	395.9	398.0	398.8	393.1	381.1	366.1	342.7	327.4
35°	559.7	566.1	562.8	562.3	562.8	566.1	559.7	549.3	526.7	485.8	475.0
32.5°	828.8	819.4	784.3	794.0	784.3	819.4	828.8	870.5	815.0	771.3	785.2
30°	1790.9	1825.4	1727.2	1648.8	1727.2	1825.4	1790.9	1778.0	1585.7	1598.0	1498.9
27.5°	3380.9	3455.2	3441.3	3521.7	3441.3	3455.2	3380.9	3363.3	3185.4	3037.0	2754.2
25°	5330.6	5379.9	5383.0	5238.0	5383.0	5379.9	5330.6	5258.8	5075.8	4824.7	4424.4
22.5°	7512.7	7560.2	7646.9	7647.0	7646.9	7560.2	7512.7	7412.0	7140.0	6780.3	6293.1
20°	9878.5	9887.2	10052.8	10064.8	10052.8	9887.2	9878.5	9629.5	9271.2	8750.9	8152.5
17.5°	12715.6	12853.6	13077.5	12947.0	13077.5	12853.6	12715.6	12348.7	11827.4	11134.4	10295.2
15°	15986.2	16294.5	16533.8	16426.3	16533.8	16294.5	15986.2	15358.1	14694.4	13808.4	12853.1
12.5°	19198.1	19684.0	19915.4	19858.9	19915.4	19684.0	19198.1	18474.1	17563.5	16589.6	15408.4
10°	22255.4	22939.4	23185.1	23271.8	23185.1	22939.4	22255.4	21491.9	20512.0	19312.3	17939.5
7.5°	25186.4	25813.1	26185.6	26030.0	26185.6	25813.1	25186.4	24331.2	23185.6	21802.8	20240.3
5°	27538.7	28068.0	28368.9	28261.8	28368.9	28068.0	27538.7	26729.6	25460.9	23897.4	22210.5
2.5°	29204.7	29698.9	29959.7	29828.5	29959.7	29698.9	29204.7	28402.9	27158.0	25458.6	23576.8
0°	30156.4	30660.0	30955.3	30976.5	30955.3	30660.0	30156.4	29391.8	28179.1	26551.0	24569.3
-2.5°	30119.2	30475.0	30682.5	30576.8	30682.5	30475.0	30119.2	29402.0	28217.7	26563.3	24594.5
-5°	29488.6	29789.1	29896.9	29850.8	29896.9	29789.1	29488.6	28930.1	27808.6	26181.0	24247.4
-7.5°	28710.8	28932.3	29006.4	28951.4	29006.4	28932.3	28710.8	28180.9	27125.5	25507.6	23658.4
-10°	27958.2	28179.5	28217.1	28185.6	28217.1	28179.5	27958.2	27445.1	26312.3	24841.0	22985.1
-12.5°	26862.5	27102.4	27110.2	27037.1	27110.2	27102.4	26862.5	26199.5	25204.0	23699.3	22064.3
-15°	25153.5	25349.7	25381.4	25340.4	25381.4	25349.7	25153.5	24581.6	23523.9	22185.9	20694.0
-17.5°	23254.0	23383.9	23524.7	23681.8	23524.7	23383.9	23254.0	22718.3	21802.6	20574.1	19247.9
-20°	20973.3	21128.7	21294.8	21470.7	21294.8	21128.7	20973.3	20561.7	19786.3	18746.4	17565.6



REPORT NUMBER: P701456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18410.2	18584.8	18755.1	18844.1	18755.1	18584.8	18410.2	18081.7	17457.5	16592.2	15631.5
-25°	15930.8	16143.4	16277.8	16358.9	16277.8	16143.4	15930.8	15673.3	15159.2	14490.6	13700.6
-27.5°	13657.8	13909.8	14033.9	14086.8	14033.9	13909.8	13657.8	13448.7	13047.8	12524.1	11855.1
-30°	11743.3	11898.1	11919.5	11999.7	11919.5	11898.1	11743.3	11575.1	11144.4	10810.2	10283.1
-32.5°	10481.2	10653.1	10757.6	10845.7	10757.6	10653.1	10481.2	10282.2	10011.3	9652.2	9207.3
-35°	9492.4	9648.1	9750.7	9792.9	9750.7	9648.1	9492.4	9297.5	9046.6	8728.9	8334.4
-37.5°	8544.6	8662.3	8733.9	8791.2	8733.9	8662.3	8544.6	8366.5	8130.0	7843.7	7511.9
-40°	7630.7	7747.5	7818.4	7837.4	7818.4	7747.5	7630.7	7472.0	7265.1	7011.8	6731.9
-42.5°	6777.8	6867.7	6929.4	6971.6	6929.4	6867.7	6777.8	6650.1	6471.7	6255.8	6015.7
-45°	6005.5	6084.7	6139.6	6173.3	6139.6	6084.7	6005.5	5895.0	5745.0	5563.0	5356.8
-47.5°	5303.0	5366.7	5410.5	5435.9	5410.5	5366.7	5303.0	5212.9	5090.5	4936.4	4755.4
-50°	4709.3	4766.2	4806.7	4831.2	4806.7	4766.2	4709.3	4632.2	4529.0	4391.5	4226.9
-52.5°	4223.8	4279.2	4319.8	4346.1	4319.8	4279.2	4223.8	4153.9	4064.4	3938.4	3794.7
-55°	3808.3	3859.1	3896.0	3919.8	3896.0	3859.1	3808.3	3746.2	3671.5	3549.1	3410.5
-57.5°	3435.8	3480.7	3511.9	3531.5	3511.9	3480.7	3435.8	3381.1	3316.7	3202.1	3074.5
-60°	3096.4	3136.9	3165.6	3185.6	3165.6	3136.9	3096.4	3047.9	2991.0	2891.3	2772.6
-62.5°	2805.5	2848.1	2870.9	2883.3	2870.9	2848.1	2805.5	2756.6	2701.3	2610.5	2497.8
-65°	2522.4	2563.5	2585.6	2598.3	2585.6	2563.5	2522.4	2476.6	2426.8	2349.0	2247.2
-67.5°	2227.8	2257.4	2280.0	2297.1	2280.0	2257.4	2227.8	2193.4	2154.3	2091.6	2001.0
-70°	1928.9	1952.8	1953.6	1946.8	1953.6	1952.8	1928.9	1900.2	1866.9	1816.5	1740.1
-72.5°	1619.2	1640.2	1645.7	1645.6	1645.7	1640.2	1619.2	1594.3	1565.4	1526.4	1466.5
-75°	1307.2	1323.3	1334.1	1341.0	1334.1	1323.3	1307.2	1287.9	1265.5	1236.2	1188.2
-77.5°	995.5	1005.1	1014.1	1020.2	1014.1	1005.1	995.5	982.9	967.5	946.8	907.6
-80°	677.5	682.0	683.1	681.9	683.1	682.0	677.5	670.9	662.3	650.4	625.7
-82.5°	403.6	405.5	403.5	400.2	403.5	405.5	403.6	400.5	396.2	390.5	379.0
-85°	197.9	198.1	197.7	196.9	197.7	198.1	197.9	197.3	196.2	194.5	189.2
-87.5°	73.5	73.8	75.0	76.1	75.0	73.8	73.5	73.1	72.6	72.0	69.7
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5





REPORT NUMBER: P701456 (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°	14.7	14.4	14.1	13.6	13.1	12.5	12.0	11.5	10.9	10.4	9.8
87.5°	7.8	6.5	5.2	5.4	5.6	5.8	5.9	5.6	5.3	5.0	4.8
85°	15.3	13.5	11.7	11.8	12.0	12.0	12.1	11.8	11.5	11.0	10.4
82.5°	18.1	18.5	18.7	20.1	21.1	21.9	22.3	22.4	22.0	21.3	20.1
80°	22.8	24.4	25.9	28.8	31.3	33.5	35.1	36.1	36.8	37.0	35.9
77.5°	27.1	29.5	32.2	36.5	40.6	44.3	47.5	49.4	50.5	51.1	49.7
75°	27.4	30.5	34.6	40.7	46.5	52.1	56.1	58.7	60.9	62.7	61.3
72.5°	24.1	27.1	32.0	39.5	47.3	54.1	60.0	65.0	69.0	72.1	69.6
70°	19.7	21.9	26.5	33.5	41.0	48.7	57.0	65.6	74.5	80.2	75.6
67.5°	16.1	17.3	20.9	26.3	32.8	40.1	48.6	58.4	67.9	77.1	75.4
65°	13.8	14.7	17.1	20.8	25.4	31.1	37.6	45.8	55.9	66.3	67.2
62.5°	12.3	13.0	14.6	16.9	19.8	23.5	28.5	35.3	43.2	49.6	53.0
60°	12.0	12.2	13.4	14.7	16.3	18.6	22.8	27.5	32.7	38.3	41.2
57.5°	13.3	13.5	14.3	14.8	15.2	16.9	19.6	22.6	27.3	30.8	32.9
55°	16.0	16.9	17.6	17.6	17.3	18.0	18.7	20.3	23.8	27.1	30.1
52.5°	18.3	20.2	21.8	22.9	22.9	22.2	20.8	21.3	23.3	26.6	29.3
50°	23.8	26.0	26.9	27.1	29.5	29.5	27.8	25.6	28.7	30.3	30.4
47.5°	37.7	40.2	37.9	37.2	41.4	40.3	38.5	38.4	42.1	39.1	37.8
45°	70.6	70.5	64.5	66.4	65.1	63.1	56.2	62.1	63.2	59.7	49.3
42.5°	128.2	122.5	115.0	117.2	114.5	105.3	93.7	96.7	94.7	87.2	81.0
40°	209.2	194.7	187.9	185.8	180.9	167.8	156.8	141.0	135.8	124.4	122.5
37.5°	308.7	286.7	280.3	267.6	257.6	254.9	237.8	209.1	183.8	194.7	180.8
35°	431.7	411.8	408.1	375.9	352.8	401.6	356.3	299.4	286.3	313.1	267.3
32.5°	630.0	717.2	638.9	569.9	648.4	659.5	575.1	439.5	506.3	505.0	421.9
30°	1344.4	1361.0	1257.1	1065.5	1180.3	1153.1	907.6	875.1	856.0	766.0	626.3
27.5°	2596.9	2327.0	2173.7	2070.2	1905.4	1816.0	1619.2	1415.9	1302.1	1137.4	917.6
25°	4126.6	3747.8	3408.0	3192.7	2909.3	2622.1	2389.3	2102.2	1855.9	1592.0	1283.6
22.5°	5777.1	5330.2	4862.3	4427.6	4032.7	3632.9	3221.8	2812.1	2463.0	2119.9	1727.5
20°	7532.4	6979.1	6353.4	5811.0	5268.9	4703.4	4134.5	3640.0	3187.0	2701.9	2205.2
17.5°	9599.8	8782.6	8007.8	7305.2	6579.8	5857.6	5262.7	4640.8	3981.1	3314.9	2701.3
15°	11830.8	10839.5	9880.9	8932.0	8024.7	7236.4	6491.5	5700.4	4849.3	3994.8	3265.2
12.5°	14191.6	12946.0	11752.9	10652.7	9648.1	8687.5	7760.4	6809.4	5777.4	4764.0	3926.4
10°	16490.1	15031.4	13696.7	12429.7	11252.5	10138.0	8979.2	7828.5	6661.1	5522.5	4564.8
7.5°	18614.5	17034.1	15538.4	14034.5	12591.1	11305.2	10047.2	8783.4	7506.6	6240.8	5175.9
5°	20384.2	18594.9	16878.5	15219.2	13666.3	12363.6	11051.1	9687.4	8302.8	6913.3	5754.1
2.5°	21580.0	19755.5	18007.5	16256.6	14553.9	13214.4	11833.9	10374.0	8858.7	7357.2	6129.5
0°	22444.1	20432.0	18597.2	16796.1	14968.9	13674.6	12311.8	10851.2	9256.7	7708.0	6463.7
-2.5°	22449.7	20414.3	18579.2	16675.1	14880.3	13476.2	12146.6	10732.2	9258.2	7770.6	6540.0
-5°	22138.2	20131.4	18298.4	16440.1	14644.2	13223.1	11919.6	10567.8	9191.6	7777.6	6570.7
-7.5°	21662.7	19709.3	17874.1	16026.1	14284.4	12898.7	11640.5	10373.8	9070.6	7736.5	6559.8
-10°	21008.5	19152.4	17383.4	15549.5	13874.3	12503.4	11310.7	10133.3	8898.9	7640.3	6507.3
-12.5°	20161.0	18388.8	16744.1	14988.5	13403.5	12130.4	10968.4	9849.1	8686.1	7490.7	6415.1
-15°	19015.6	17476.2	15936.7	14345.6	12884.7	11690.9	10576.5	9485.4	8337.8	7234.1	6285.5
-17.5°	17786.3	16438.5	15063.5	13540.1	12226.4	11178.8	10122.9	9030.2	7896.6	6814.0	5943.7
-20°	16337.9	15108.1	13948.3	12628.6	11371.9	10365.3	9496.4	8501.4	7366.6	6358.9	5533.7



REPORT NUMBER: P701456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14627.0	13574.3	12509.0	11404.8	10377.0	9444.5	8599.0	7740.4	6745.9	5834.0	5084.5
-25°	12871.4	11948.1	10993.8	10112.2	9257.8	8416.0	7643.8	6854.9	6068.1	5288.1	4606.3
-27.5°	11160.8	10352.8	9555.6	8850.4	8161.0	7424.9	6694.7	6020.6	5413.4	4788.6	4146.7
-30°	9651.5	9127.5	8428.2	7744.8	7275.7	6627.6	5846.9	5365.3	4882.0	4342.8	3771.7
-32.5°	8691.2	8195.1	7581.6	7038.5	6556.2	5968.6	5379.8	4813.6	4425.8	3962.2	3484.9
-35°	7898.8	7441.5	6948.6	6463.8	5967.5	5471.0	4953.7	4479.6	4037.7	3618.6	3214.6
-37.5°	7136.3	6743.7	6331.7	5896.2	5468.1	5018.7	4570.8	4134.7	3702.1	3327.3	2969.2
-40°	6421.5	6083.9	5747.6	5366.7	4979.6	4584.4	4184.3	3780.2	3405.8	3050.9	2729.9
-42.5°	5759.1	5480.4	5188.6	4850.6	4499.4	4153.2	3796.2	3442.2	3107.8	2796.0	2501.0
-45°	5140.7	4897.8	4631.7	4346.8	4035.0	3729.9	3414.6	3114.3	2823.2	2545.7	2268.9
-47.5°	4565.3	4352.8	4113.2	3865.9	3599.7	3327.5	3070.7	2801.8	2549.6	2295.2	2056.1
-50°	4051.7	3871.9	3661.8	3430.6	3215.0	2985.6	2751.1	2508.6	2287.5	2073.6	1854.2
-52.5°	3634.4	3461.9	3275.0	3074.5	2873.3	2666.9	2450.6	2256.7	2059.8	1869.3	1676.1
-55°	3254.9	3100.4	2934.3	2750.2	2556.6	2389.5	2212.8	2032.6	1856.4	1679.1	1520.2
-57.5°	2938.1	2791.5	2635.4	2473.5	2306.2	2147.1	1987.5	1823.6	1670.7	1523.6	1375.9
-60°	2644.7	2507.1	2367.8	2221.0	2066.6	1915.3	1786.5	1650.7	1507.8	1382.6	1257.0
-62.5°	2379.0	2254.1	2124.5	1997.4	1868.5	1740.5	1618.2	1498.5	1377.2	1258.0	1150.9
-65°	2142.8	2036.5	1922.3	1806.6	1692.4	1580.5	1469.7	1361.7	1258.6	1158.6	1054.5
-67.5°	1908.5	1814.7	1716.2	1616.5	1519.3	1425.3	1330.0	1236.1	1141.7	1049.6	952.5
-70°	1662.7	1585.2	1505.1	1423.7	1341.9	1261.0	1176.8	1092.0	1009.9	928.5	842.5
-72.5°	1404.5	1340.8	1275.0	1208.4	1143.0	1077.3	1007.0	933.6	862.6	794.5	724.1
-75°	1137.7	1085.0	1031.6	979.9	928.4	877.3	823.7	765.3	708.3	652.9	596.4
-77.5°	866.9	825.0	783.6	747.3	711.0	675.0	637.1	592.7	549.0	505.9	461.9
-80°	599.9	573.3	546.9	524.6	501.1	476.5	449.9	417.8	386.0	356.5	328.4
-82.5°	366.5	353.1	339.0	325.9	312.1	297.4	281.9	263.4	244.9	226.6	208.0
-85°	183.5	177.3	170.8	165.5	159.7	153.4	146.6	138.4	129.7	120.5	110.9
-87.5°	67.3	64.9	62.4	60.6	58.7	56.8	54.7	51.8	48.8	45.8	42.9
-90°	2.8	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3





REPORT NUMBER: P701456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.5	9.3	9.0	8.7	8.4	8.2	7.9	7.6	7.3	7.1	6.8
87.5°	5.7	6.6	7.4	8.1	7.7	7.4	7.0	6.7	6.7	6.6	6.5
85°	10.6	11.0	11.5	12.0	11.3	10.3	9.6	9.0	9.0	8.9	8.6
82.5°	18.2	17.3	16.7	16.4	16.1	15.5	14.5	13.2	11.8	11.1	10.8
80°	32.0	28.5	25.4	22.9	21.4	20.7	20.0	18.5	15.5	13.4	12.3
77.5°	44.5	39.7	35.3	31.0	27.3	24.8	23.4	22.5	19.0	15.6	13.3
75°	55.6	49.4	43.5	38.0	32.7	28.4	25.4	23.2	20.3	17.4	14.2
72.5°	62.9	56.6	50.6	44.1	37.3	31.6	27.1	23.8	20.9	17.9	14.9
70°	68.5	62.4	56.0	48.6	41.2	34.3	28.7	24.8	21.4	18.3	15.3
67.5°	72.3	64.8	58.5	52.2	44.6	37.1	30.0	25.7	22.2	18.7	15.7
65°	64.9	62.4	59.3	52.7	46.4	39.6	32.1	27.0	23.1	19.5	16.0
62.5°	55.3	55.6	53.7	51.6	46.5	40.2	34.1	28.9	24.0	20.1	16.4
60°	43.2	45.8	47.5	46.8	44.6	40.1	34.8	30.8	25.6	20.7	17.0
57.5°	35.8	36.8	39.5	41.5	40.8	38.3	35.2	31.7	27.1	21.8	17.5
55°	31.0	32.6	33.6	35.2	36.6	35.4	35.0	32.2	28.2	23.0	18.3
52.5°	30.8	31.4	31.6	31.2	31.8	32.9	33.5	32.8	28.8	24.0	19.5
50°	32.1	34.9	33.1	30.9	28.5	30.2	32.1	31.9	29.4	24.9	20.8
47.5°	37.9	41.8	39.5	33.2	29.5	28.0	30.5	30.9	30.0	25.4	22.1
45°	53.5	52.9	49.4	41.7	32.4	29.9	29.0	30.1	29.3	26.8	23.4
42.5°	74.8	71.8	64.1	51.8	45.2	34.1	27.9	29.2	28.7	28.4	24.7
40°	112.2	96.4	83.4	75.7	64.6	39.6	32.0	28.6	28.5	29.9	26.2
37.5°	156.0	132.4	109.8	110.2	91.1	61.6	37.3	28.3	30.1	31.2	27.8
35°	220.0	178.3	164.3	157.2	129.3	87.5	43.4	30.4	32.5	32.9	29.5
32.5°	293.5	267.6	258.2	216.7	174.0	117.2	61.3	39.0	35.6	34.9	31.3
30°	466.8	425.7	381.6	285.5	227.2	158.9	90.6	47.9	39.4	37.3	33.2
27.5°	746.4	613.0	533.4	397.3	292.4	206.7	127.3	56.9	43.7	40.2	35.0
25°	1048.0	860.7	714.7	538.7	363.5	280.5	168.6	67.0	50.4	43.6	37.1
22.5°	1388.6	1128.6	915.6	697.1	476.5	366.2	221.7	99.4	58.1	47.4	39.2
20°	1734.0	1400.4	1144.0	892.5	623.8	463.5	288.5	133.6	65.7	51.4	41.5
17.5°	2095.3	1745.9	1456.0	1115.7	788.8	566.1	360.8	169.1	73.2	55.7	43.9
15°	2647.7	2185.7	1790.9	1359.3	952.3	672.3	436.9	205.2	80.6	60.1	48.7
12.5°	3221.9	2633.5	2140.3	1617.0	1112.8	780.5	515.1	241.1	87.7	69.3	56.7
10°	3781.5	3083.5	2497.3	1882.2	1268.4	888.8	593.5	288.4	109.3	82.4	64.8
7.5°	4321.8	3529.1	2854.5	2147.5	1429.8	1031.1	735.4	361.9	133.6	95.7	73.0
5°	4807.6	3920.0	3191.8	2425.8	1649.9	1206.4	887.0	435.1	158.3	109.0	81.1
2.5°	5134.3	4218.2	3502.0	2685.7	1860.0	1375.0	1034.2	505.6	182.8	122.1	89.1
0°	5424.0	4487.5	3787.1	2921.3	2057.8	1535.7	1172.5	571.0	206.6	134.9	96.8
-2.5°	5497.3	4554.2	3875.1	3065.4	2224.3	1682.6	1297.4	672.1	283.7	182.6	127.1
-5°	5532.1	4598.4	3940.9	3185.8	2375.1	1819.5	1407.2	764.4	358.0	228.9	156.6
-7.5°	5539.5	4633.8	3975.9	3272.4	2509.3	1945.6	1500.7	846.7	428.1	273.2	184.8
-10°	5514.1	4648.1	3966.3	3249.9	2517.7	1997.6	1563.1	917.8	492.7	314.8	211.5
-12.5°	5455.1	4629.6	3933.2	3199.8	2487.8	1978.3	1522.8	944.7	548.2	352.9	236.1
-15°	5364.1	4576.3	3876.7	3121.3	2439.0	1946.5	1477.1	948.9	582.1	386.3	258.3
-17.5°	5195.7	4486.3	3797.1	3013.6	2370.7	1901.4	1428.3	947.3	611.1	415.1	279.4
-20°	4838.2	4257.6	3687.7	2876.2	2282.5	1842.6	1378.8	940.8	635.0	440.1	299.2



REPORT NUMBER: P701456 (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°	4458.8	3934.1	3396.4	2755.5	2189.5	1769.9	1330.4	929.8	653.5	460.8	316.0
-25°	4051.6	3605.6	3090.1	2558.2	2099.4	1694.5	1294.0	915.1	666.5	477.1	329.8
-27.5°	3670.4	3274.3	2802.3	2363.4	1971.9	1627.6	1265.7	924.4	677.3	488.8	340.3
-30°	3306.9	2963.1	2571.8	2183.9	1842.8	1539.2	1235.6	928.1	688.6	498.5	347.4
-32.5°	3044.5	2684.8	2362.4	2037.1	1729.7	1445.7	1177.6	924.8	693.6	505.3	352.9
-35°	2836.9	2478.6	2166.9	1892.1	1620.8	1358.0	1108.7	914.5	692.2	507.4	355.6
-37.5°	2622.3	2301.8	2011.5	1757.7	1508.7	1266.6	1051.0	869.9	684.2	504.6	354.8
-40°	2422.3	2127.7	1866.4	1632.9	1402.2	1172.0	988.9	825.2	674.6	496.9	350.5
-42.5°	2215.0	1958.7	1724.7	1505.6	1295.8	1098.6	924.3	777.6	642.1	487.0	342.6
-45°	2019.7	1788.1	1581.1	1386.2	1190.8	1021.4	868.6	728.5	604.7	473.8	332.9
-47.5°	1821.3	1627.5	1444.0	1265.0	1102.0	944.7	810.1	684.8	565.6	455.6	322.1
-50°	1644.3	1474.3	1313.5	1159.9	1009.7	877.7	751.7	639.1	529.7	423.8	308.1
-52.5°	1493.4	1335.8	1196.3	1059.4	931.9	808.0	699.4	592.1	492.3	393.8	290.9
-55°	1357.5	1212.3	1088.3	970.9	856.0	747.0	645.2	549.1	453.4	363.9	271.2
-57.5°	1240.7	1101.0	993.8	888.3	786.9	687.8	593.9	504.6	416.9	332.6	253.3
-60°	1131.1	1012.5	905.0	813.6	721.6	630.7	543.8	460.2	380.0	300.9	230.8
-62.5°	1040.0	927.0	827.3	742.4	659.0	576.2	493.0	417.4	341.7	271.4	206.0
-65°	949.5	847.7	751.1	675.6	598.6	520.4	444.6	373.2	304.6	240.3	181.7
-67.5°	856.9	766.0	682.2	609.6	535.5	463.4	394.2	328.6	266.5	207.9	160.3
-70°	758.9	681.0	606.3	536.0	468.8	403.7	341.4	282.7	226.9	180.0	137.8
-72.5°	652.2	584.0	519.9	458.8	397.9	340.4	286.4	236.4	191.9	151.1	114.4
-75°	537.7	480.8	426.7	374.6	323.3	275.2	232.8	193.5	155.7	121.2	93.2
-77.5°	415.1	370.6	328.6	289.6	250.3	213.8	180.3	149.2	120.1	95.0	72.4
-80°	297.0	266.2	236.2	206.8	177.7	151.1	130.0	109.7	88.3	68.7	51.1
-82.5°	185.8	167.1	149.9	133.2	116.6	100.8	85.6	71.2	55.9	41.9	33.8
-85°	100.0	89.5	79.4	69.6	59.5	49.9	45.2	40.6	34.9	29.7	24.9
-87.5°	40.8	38.6	36.4	34.3	31.6	29.1	26.6	24.1	21.2	18.4	15.8
-90°	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.5	6.2	6.0	5.7	5.4	4.9	4.4
87.5°	6.4	5.9	5.4	5.1	4.8	4.6	4.4
85°	8.3	7.3	6.5	5.7	5.1	4.7	4.4
82.5°	10.3	8.8	7.5	6.4	5.5	4.9	4.4
80°	12.0	10.2	8.5	7.0	5.9	5.0	4.4
77.5°	12.2	11.1	9.5	7.7	6.2	5.2	4.4
75°	12.4	11.2	10.2	8.3	6.6	5.4	4.4
72.5°	12.5	11.2	10.2	8.9	7.0	5.5	4.4
70°	12.7	11.2	10.1	9.4	7.3	5.7	4.4
67.5°	13.1	11.2	10.0	9.2	7.6	5.8	4.4
65°	13.5	11.4	9.9	9.1	7.9	6.0	4.4
62.5°	13.9	11.7	9.8	9.0	8.3	6.1	4.4
60°	14.3	12.1	9.6	8.8	8.5	6.2	4.4
57.5°	15.0	12.4	9.9	8.7	8.5	6.4	4.4
55°	15.7	12.8	10.2	8.5	8.4	6.5	4.4
52.5°	16.4	13.2	10.5	8.3	8.4	6.6	4.4
50°	17.1	13.8	10.8	8.1	8.3	6.7	4.4
47.5°	17.8	14.4	11.0	8.0	8.3	6.8	4.4
45°	18.9	15.0	11.3	8.2	8.3	6.9	4.4
42.5°	20.0	15.5	11.5	8.3	8.3	7.0	4.4
40°	21.1	16.1	11.8	8.7	8.3	7.1	4.4
37.5°	22.2	16.7	12.2	9.1	8.4	7.2	4.4
35°	23.2	17.4	12.7	9.6	8.4	7.3	4.4
32.5°	24.3	18.2	13.0	10.1	8.5	7.3	4.4
30°	25.7	18.9	13.4	10.6	8.6	7.4	4.4
27.5°	27.1	19.7	14.5	11.1	8.6	7.5	4.4
25°	28.5	20.3	15.7	11.6	8.7	7.5	4.4
22.5°	30.0	21.5	16.9	12.1	8.8	7.6	4.4
20°	31.4	24.3	18.2	12.6	8.9	7.6	4.4
17.5°	35.0	27.1	19.5	13.1	9.0	7.6	4.4
15°	40.1	30.1	20.9	13.7	9.1	7.6	4.4
12.5°	45.3	33.1	22.2	14.1	9.3	7.6	4.4
10°	50.6	36.2	23.5	14.6	9.4	7.6	4.4
7.5°	55.8	39.3	24.8	15.1	9.5	7.6	4.4
5°	60.9	42.3	26.0	15.5	9.6	7.6	4.4
2.5°	65.9	45.2	27.2	15.9	9.7	7.6	4.4
0°	70.7	47.9	28.3	16.3	9.8	7.6	4.4
-2.5°	89.0	58.1	33.8	18.7	10.5	7.7	4.4
-5°	106.8	68.1	39.2	21.1	11.2	7.9	4.4
-7.5°	123.9	77.6	44.3	23.3	11.9	8.0	4.4
-10°	139.9	86.6	49.1	25.4	12.5	8.1	4.4
-12.5°	154.8	94.9	53.6	27.4	13.1	8.2	4.4
-15°	168.1	102.5	57.7	29.2	13.7	8.3	4.4
-17.5°	179.8	109.2	61.4	30.9	14.2	8.4	4.4
-20°	191.3	114.9	64.5	32.3	14.7	8.5	4.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	203.4	119.6	67.1	33.4	15.1	8.5	4.4
-25°	213.5	125.8	69.1	34.3	15.5	8.6	4.4
-27.5°	221.4	131.7	70.5	34.9	15.8	8.6	4.4
-30°	226.9	136.1	71.4	35.2	16.1	8.6	4.4
-32.5°	230.1	139.0	73.6	35.3	16.2	8.6	4.4
-35°	232.6	140.3	74.9	35.0	16.3	8.6	4.4
-37.5°	233.5	140.6	75.3	34.4	16.4	8.6	4.4
-40°	232.0	140.7	74.9	33.4	16.3	8.5	4.4
-42.5°	228.0	139.3	74.2	32.5	16.2	8.5	4.4
-45°	221.7	136.4	73.5	31.9	16.0	8.4	4.4
-47.5°	212.9	132.1	72.0	30.9	15.7	8.3	4.4
-50°	204.8	126.3	69.7	30.6	15.3	8.2	4.4
-52.5°	195.1	119.1	66.7	30.3	14.9	8.1	4.4
-55°	183.4	113.0	62.9	29.6	14.4	7.9	4.4
-57.5°	169.9	106.3	58.5	28.5	13.9	7.8	4.4
-60°	155.0	98.5	53.5	27.2	13.2	7.6	4.4
-62.5°	142.4	89.7	49.9	25.5	12.7	7.4	4.4
-65°	128.5	79.9	45.7	23.5	12.2	7.3	4.4
-67.5°	113.3	70.6	41.1	21.2	11.7	7.1	4.4
-70°	97.0	61.9	35.9	18.7	11.1	6.8	4.4
-72.5°	82.4	52.5	30.3	17.1	10.4	6.6	4.4
-75°	67.4	42.6	24.4	15.6	9.8	6.4	4.4
-77.5°	51.7	32.1	21.0	14.1	9.1	6.2	4.4
-80°	35.3	25.4	18.1	12.5	8.4	5.9	4.4
-82.5°	27.4	20.7	15.2	10.8	7.6	5.7	4.4
-85°	20.5	15.9	12.1	9.1	6.9	5.4	4.4
-87.5°	13.5	11.1	9.1	7.4	6.2	5.2	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(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

