

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: P701505 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-7F-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701505 (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: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-80-7F-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

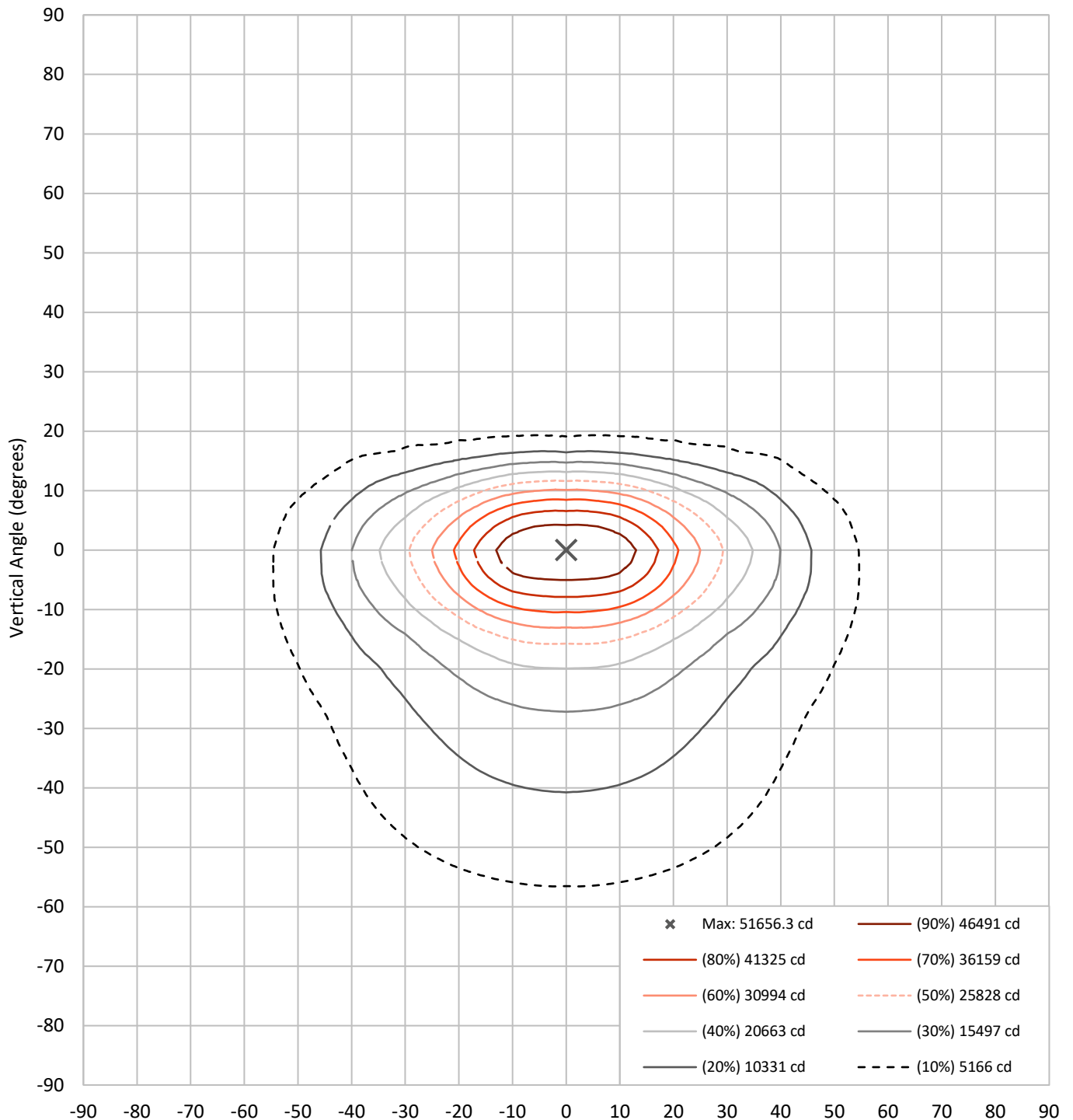
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	34757.7 lumens	Max Intensity:	51656.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	52.8 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:	13721 lumens	Field Lumens:	30587.5 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

Input Watts (W): 658  
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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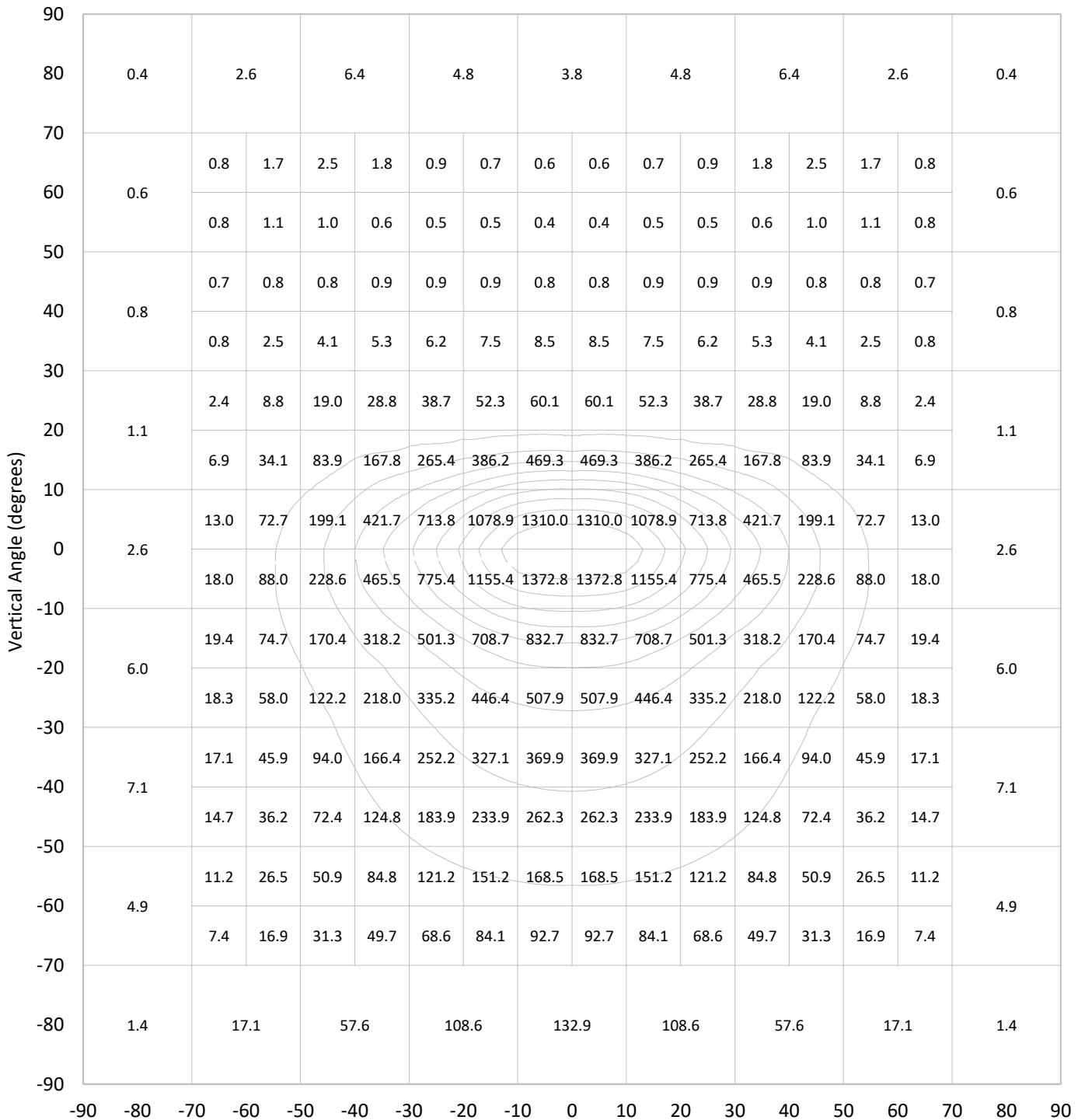
### Iso-Candela Plot





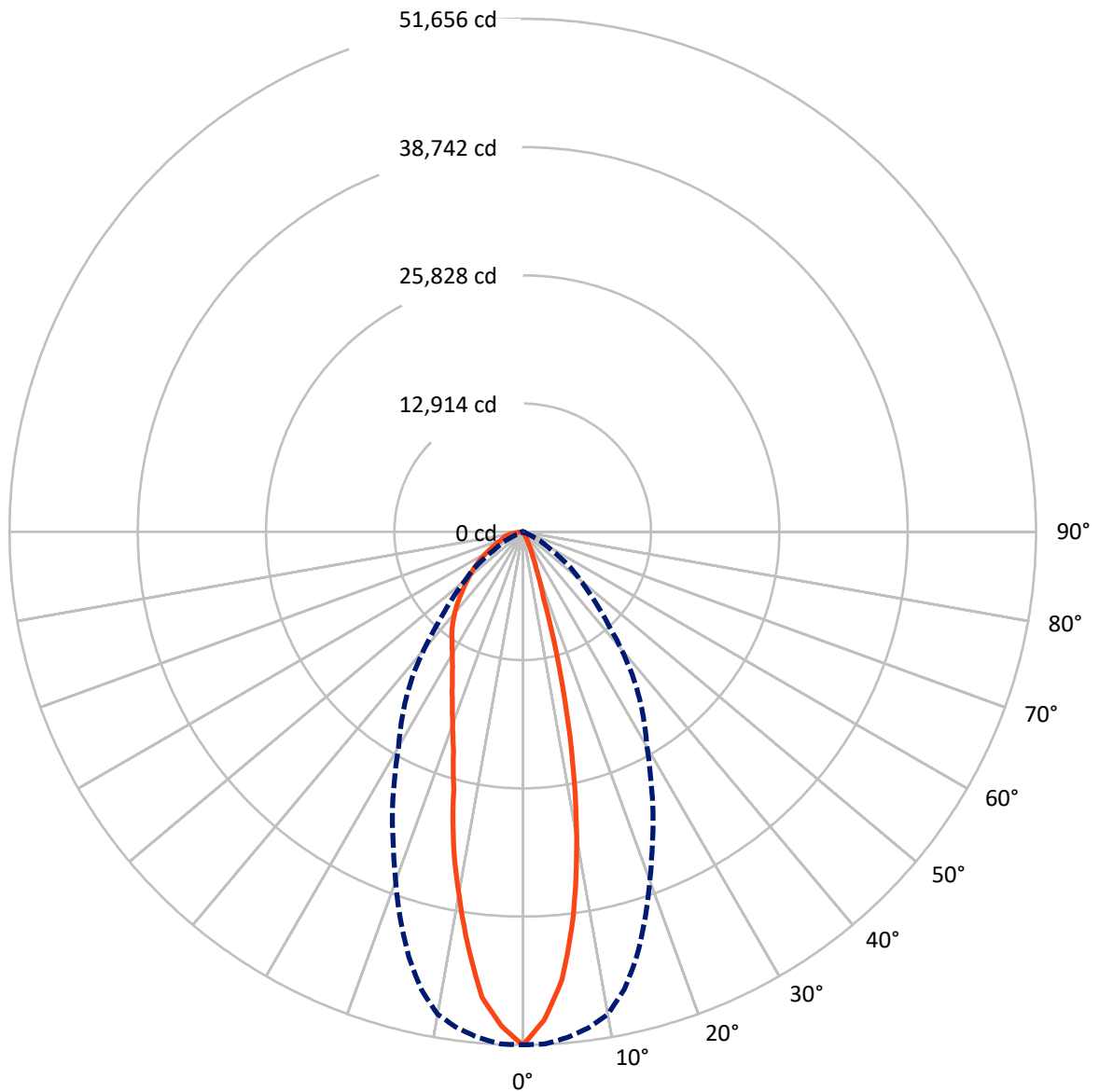
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### Lumen Table



REPORT NUMBER: P701505 (CONVERTED FROM TYPE C PHOTOMETRY)  
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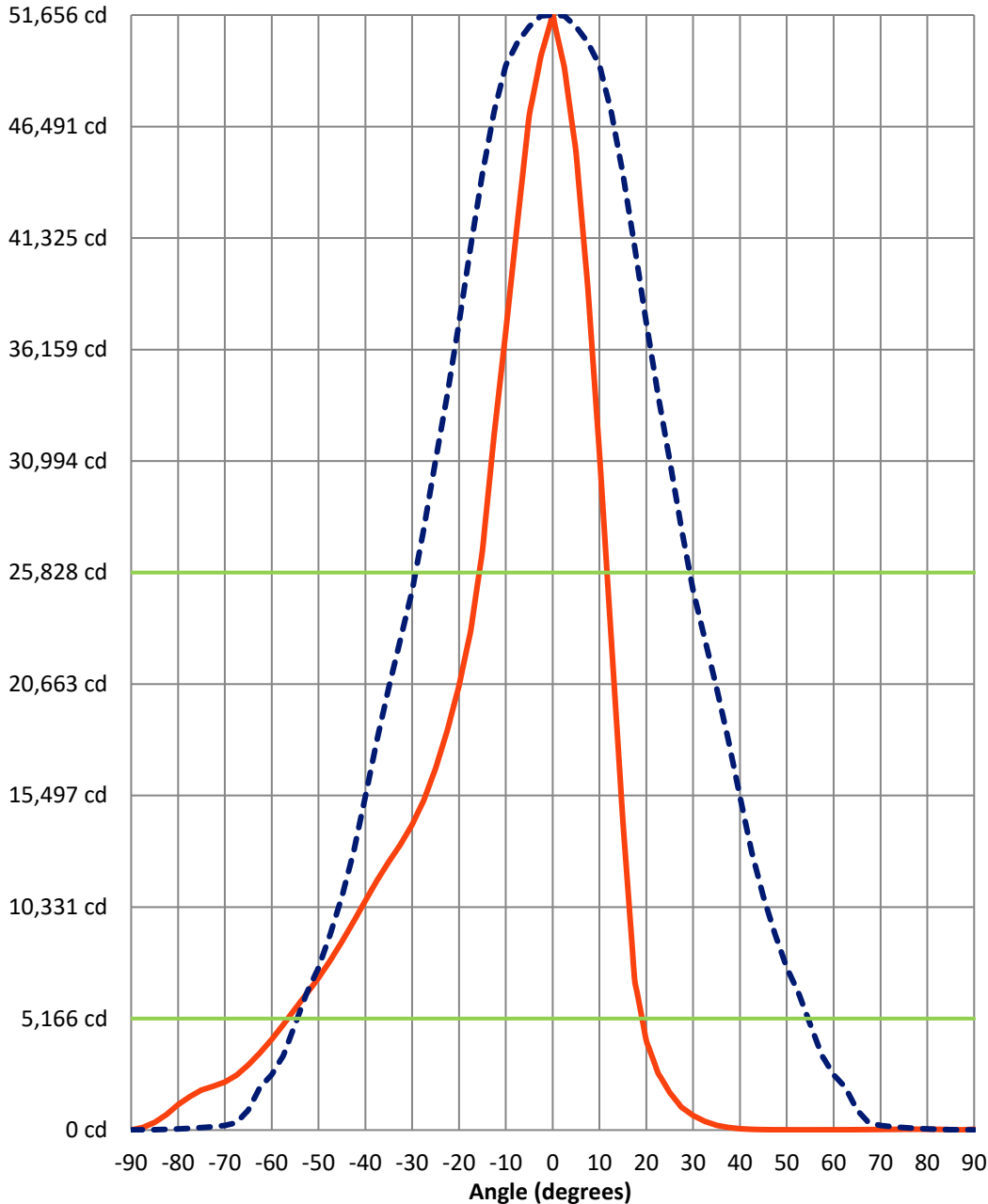
### Luminous Intensity Polar Plot



— 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: 13721  
 Efficiency: 39.5%

**Field:**  
 H Angle: 109.1°  
 V Angle: 75.6°  
 Lumens: 30587.5  
 Efficiency: 88.0%

**Spill:**  
 Lumens: 4170.2  
 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°	7.5	8.5	9.4	9.9	10.4	10.8	11.3	11.8	12.2	12.7	13.1
87.5°	7.5	7.8	8.3	8.9	9.6	10.4	11.4	11.6	11.7	11.6	11.5
85°	7.5	8.2	9.1	10.3	11.7	13.4	15.2	15.7	15.9	15.8	15.5
82.5°	7.5	8.5	9.9	11.7	13.8	16.3	19.1	19.8	20.2	21.7	24.3
80°	7.5	8.8	10.7	13.1	15.9	19.1	22.6	23.6	26.1	30.2	35.8
77.5°	7.5	9.1	11.5	14.4	17.9	21.3	24.4	27.2	31.7	38.3	45.0
75°	7.5	9.4	12.3	15.8	19.6	22.2	26.0	30.4	36.8	42.1	47.7
72.5°	7.5	9.7	13.0	17.0	19.9	23.1	27.5	33.1	38.6	44.3	50.3
70°	7.5	10.0	13.8	18.1	20.2	23.8	28.9	34.4	40.2	46.3	52.2
67.5°	7.5	10.3	14.5	18.0	20.4	24.4	30.0	35.7	41.8	47.8	53.8
65°	7.5	10.6	15.1	17.9	20.5	25.2	31.1	36.8	43.0	49.2	55.9
62.5°	7.5	10.9	15.8	17.7	20.6	26.3	32.3	37.8	44.1	50.7	59.1
60°	7.5	11.1	16.4	17.5	20.5	27.3	33.3	38.7	45.2	53.1	62.0
57.5°	7.5	11.4	16.2	17.3	21.3	28.3	34.6	39.7	46.7	55.3	63.1
55°	7.5	11.6	16.1	17.0	22.2	29.3	35.9	40.9	48.3	56.8	63.3
52.5°	7.5	11.8	16.0	16.6	23.0	30.3	37.2	42.7	49.6	56.9	63.4
50°	7.5	12.0	15.9	16.2	23.8	31.6	38.6	44.4	50.3	56.8	60.3
47.5°	7.5	12.2	15.8	16.0	24.5	32.8	40.1	46.2	50.2	56.7	57.2
45°	7.5	12.4	15.7	16.6	25.2	34.1	41.7	48.0	51.3	54.4	54.6
42.5°	7.5	12.6	15.6	17.1	25.9	35.4	43.2	49.5	52.7	52.5	52.0
40°	7.5	12.7	15.6	17.9	26.7	36.7	44.8	50.9	54.0	51.2	49.8
37.5°	7.5	12.9	15.6	18.9	27.7	38.0	46.3	52.4	55.0	52.5	47.9
35°	7.5	13.0	15.6	19.9	28.7	39.2	47.8	54.0	56.5	54.8	48.2
32.5°	7.5	13.1	15.6	20.9	29.6	40.4	49.2	55.7	58.4	58.4	57.7
30°	7.5	13.2	15.7	21.9	30.5	41.5	50.5	57.4	60.7	63.1	69.5
27.5°	7.5	13.2	15.8	22.9	32.3	42.5	51.8	59.2	63.9	69.0	83.6
25°	7.5	13.3	15.8	23.9	34.4	43.5	53.2	61.2	68.4	79.0	101.2
22.5°	7.5	13.3	15.9	24.9	36.4	45.2	54.5	63.3	73.5	91.6	158.8
20°	7.5	13.4	16.0	25.8	38.4	48.7	55.8	65.7	79.2	105.2	224.4
17.5°	7.5	13.4	16.1	26.8	40.4	52.4	60.6	68.1	85.3	119.6	296.5
15°	7.5	13.4	16.2	27.7	42.4	56.3	67.9	74.9	91.7	134.5	373.1
12.5°	7.5	13.4	16.4	28.5	44.3	60.1	75.6	87.7	106.4	149.7	452.3
10°	7.5	13.3	16.5	29.3	46.2	64.1	83.4	100.8	127.9	185.4	540.8
7.5°	7.5	13.3	16.6	30.1	48.0	67.9	91.3	114.2	149.7	224.6	646.2
5°	7.5	13.2	16.7	30.8	49.6	71.7	99.3	127.6	171.5	263.9	747.5
2.5°	7.5	13.2	16.8	31.4	51.2	75.4	107.0	140.9	193.1	302.6	842.1
0°	7.5	13.1	16.9	31.9	52.6	78.8	114.5	153.9	214.0	339.7	927.3
-2.5°	7.5	13.4	18.2	35.8	61.4	95.9	144.4	203.2	288.8	442.9	1031.6
-5°	7.5	13.7	19.5	39.6	70.0	112.6	173.5	251.3	361.7	542.6	1124.2
-7.5°	7.5	13.9	20.7	43.2	78.2	128.5	201.4	297.5	431.5	637.5	1205.2
-10°	7.5	14.1	21.9	46.6	86.0	143.6	227.7	341.1	497.3	726.4	1274.8
-12.5°	7.5	14.4	23.1	49.7	93.2	157.6	252.1	381.4	558.1	804.8	1303.1
-15°	7.5	14.6	24.1	52.6	99.7	170.4	274.2	417.8	607.8	852.4	1309.3
-17.5°	7.5	14.7	25.1	55.2	105.5	181.7	293.7	449.4	645.7	893.9	1309.4
-20°	7.5	14.9	26.0	57.3	110.6	191.4	312.1	476.8	679.1	928.9	1304.7



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-7F-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	15.0	26.8	59.1	114.7	199.4	330.6	500.3	707.7	957.2	1296.1
-25°	7.5	15.1	27.6	60.5	117.8	209.6	346.3	519.7	731.3	978.6	1284.6
-27.5°	7.5	15.2	28.2	61.5	120.0	219.4	359.2	534.7	749.7	996.1	1302.2
-30°	7.5	15.3	28.6	62.0	121.5	227.1	369.0	545.1	764.4	1013.7	1312.6
-32.5°	7.5	15.3	29.0	62.0	125.4	232.5	375.7	554.4	774.1	1024.4	1314.0
-35°	7.5	15.3	29.3	61.5	127.9	235.6	380.9	560.5	777.6	1028.3	1306.3
-37.5°	7.5	15.3	29.4	60.5	128.9	237.0	383.4	562.2	774.9	1025.3	1263.6
-40°	7.5	15.2	29.4	59.0	128.4	237.5	382.5	559.6	765.9	1015.8	1218.9
-42.5°	7.5	15.1	29.2	57.5	127.5	235.6	378.0	552.4	755.6	974.6	1168.0
-45°	7.5	15.0	28.9	56.5	126.3	231.2	369.9	541.7	742.1	925.4	1111.2
-47.5°	7.5	14.8	28.5	54.8	123.8	224.4	358.4	527.4	722.3	872.0	1050.9
-50°	7.5	14.6	28.0	54.3	119.9	215.2	345.7	508.5	679.5	822.6	985.7
-52.5°	7.5	14.4	27.3	53.7	114.8	203.6	330.1	485.0	634.3	768.8	916.6
-55°	7.5	14.1	26.5	52.6	108.4	193.3	311.1	457.3	586.5	710.7	849.7
-57.5°	7.5	13.9	25.6	51.0	100.7	181.6	288.9	428.0	536.0	651.6	777.9
-60°	7.5	13.6	24.5	48.8	92.1	168.2	264.4	388.9	484.1	590.1	703.7
-62.5°	7.5	13.2	23.6	46.1	86.5	153.0	242.8	346.0	435.0	525.8	630.0
-65°	7.5	12.9	22.6	42.9	80.0	136.1	218.7	304.4	384.5	466.8	553.2
-67.5°	7.5	12.5	21.5	39.3	72.7	120.8	192.4	268.1	332.7	408.5	484.0
-70°	7.5	12.1	20.4	35.3	64.6	107.3	164.2	231.1	290.9	348.8	417.6
-72.5°	7.5	11.7	19.2	32.3	55.9	92.7	141.2	193.5	248.8	302.2	353.4
-75°	7.5	11.3	17.9	29.4	46.5	77.1	117.9	159.9	206.2	255.3	302.5
-77.5°	7.5	10.8	16.5	26.4	40.3	60.8	93.4	126.9	164.4	206.7	251.1
-80°	7.5	10.4	15.2	23.3	34.6	49.0	68.0	93.0	121.6	154.1	190.4
-82.5°	7.5	9.9	13.8	20.0	28.7	39.7	53.0	64.3	77.9	100.3	125.6
-85°	7.5	9.4	12.3	16.7	22.7	30.2	39.3	46.9	55.1	63.9	73.3
-87.5°	7.5	8.9	10.9	13.3	16.5	20.6	25.4	29.4	33.7	38.3	43.2
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5





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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-7F-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	13.6	14.1	14.5	15.0	16.4	17.8	19.2	20.6	23.0	25.3	27.7
87.5°	12.3	13.1	14.0	15.0	14.3	13.5	12.6	11.5	12.3	13.2	14.2
85°	17.0	18.7	21.1	23.0	23.0	23.0	23.4	24.0	25.6	27.0	28.1
82.5°	27.5	30.0	31.7	32.8	34.6	36.8	39.8	44.2	46.7	48.3	49.2
80°	39.3	41.4	43.0	46.2	51.7	58.2	65.3	72.8	75.4	75.6	74.9
77.5°	47.1	50.2	55.3	62.4	70.8	78.9	87.7	97.1	99.8	99.2	97.8
75°	52.2	58.4	66.1	75.6	85.8	96.3	107.3	117.4	120.3	117.3	113.3
72.5°	56.3	64.2	74.5	87.1	98.6	109.3	120.7	132.7	136.9	130.3	122.2
70°	59.0	69.2	81.6	94.8	107.9	119.5	130.1	141.7	148.3	137.2	121.0
67.5°	61.3	74.0	87.4	101.1	112.9	123.9	136.0	139.8	141.4	124.5	107.1
65°	64.8	78.3	90.6	102.6	115.3	119.0	121.6	124.2	121.5	102.2	83.3
62.5°	68.2	79.4	91.1	100.4	103.5	105.3	103.2	98.2	91.5	78.1	62.7
60°	69.2	79.1	86.7	89.5	90.3	86.5	80.6	74.5	67.5	56.5	45.9
57.5°	69.6	74.6	77.5	78.1	74.5	68.3	62.4	54.6	48.7	41.8	33.2
55°	67.9	66.9	68.2	65.9	60.8	54.2	47.3	42.0	35.0	30.9	25.9
52.5°	63.2	60.5	59.3	55.5	49.7	43.6	38.0	33.0	28.9	24.4	21.2
50°	59.0	55.5	51.6	47.0	42.5	38.5	32.1	28.6	25.2	21.7	18.9
47.5°	55.2	51.0	45.1	41.3	40.8	38.3	32.2	26.7	23.6	23.5	20.9
45°	51.8	48.2	41.5	42.2	43.4	43.3	39.0	26.1	29.0	29.6	28.1
42.5°	48.8	47.4	49.2	44.8	51.9	55.8	52.4	43.6	38.8	43.1	44.8
40°	49.2	48.5	64.9	64.4	65.5	75.7	80.5	74.3	57.2	67.8	72.6
37.5°	51.1	68.2	88.5	95.2	89.3	106.7	117.1	124.3	110.9	102.2	117.3
35°	54.3	92.7	123.1	137.3	138.2	148.2	175.4	186.6	177.6	164.0	176.1
32.5°	70.9	122.1	164.0	188.2	210.4	220.8	245.1	256.5	266.3	266.4	261.2
30°	106.2	160.9	211.5	244.5	298.0	346.7	336.1	338.5	374.5	411.0	428.8
27.5°	166.4	209.0	264.4	324.0	405.8	500.4	517.3	469.3	518.1	585.7	645.6
25°	242.1	354.4	320.8	418.8	554.9	686.1	755.9	789.1	722.4	820.7	962.4
22.5°	346.7	538.7	540.3	522.1	722.5	906.0	1077.8	1242.5	1327.8	1220.9	1368.4
20°	487.8	735.7	815.1	903.2	973.3	1155.9	1452.6	1812.0	2141.1	2327.4	2242.0
17.5°	649.8	950.9	1133.1	1369.0	1602.0	1701.7	1890.7	2479.2	3118.1	3662.0	3954.4
15°	828.3	1180.7	1477.0	1882.6	2301.7	2617.6	2945.0	3450.6	4294.0	5224.5	5969.4
12.5°	1017.9	1421.4	1840.4	2433.2	3055.8	3575.2	4159.0	4927.9	5900.9	7061.5	8274.9
10°	1213.4	1668.7	2216.1	3008.4	3848.3	4561.4	5396.8	6405.4	7647.8	9093.9	10618.9
7.5°	1420.5	1910.7	2586.4	3594.7	4661.5	5561.6	6641.7	7869.1	9376.6	11095.6	12934.1
5°	1621.1	2139.0	2895.2	4066.3	5321.6	6405.6	7775.9	9299.0	11066.7	13044.0	15210.5
2.5°	1808.1	2357.6	3187.6	4497.8	5857.2	6982.7	8449.8	10087.5	12081.5	14412.7	16918.6
0°	1976.5	2564.0	3459.4	4895.3	6351.9	7519.5	9068.0	10809.9	12887.8	15446.2	18079.7
-2.5°	2049.5	2671.7	3581.9	4954.5	6339.6	7529.2	9019.2	10796.2	12800.1	15239.4	17822.5
-5°	2101.1	2762.7	3678.5	4976.0	6286.4	7494.1	8915.2	10700.8	12521.4	14691.1	17005.4
-7.5°	2133.8	2835.0	3748.2	4939.5	6112.8	7218.8	8455.1	9976.1	11636.0	13567.4	15604.8
-10°	2140.7	2827.2	3643.5	4701.7	5775.6	6789.6	7891.3	9212.1	10696.5	12385.5	14156.9
-12.5°	2074.1	2748.9	3496.1	4446.9	5426.4	6343.8	7308.5	8430.6	9717.1	11169.1	12737.2
-15°	2002.0	2660.3	3337.6	4181.4	5073.9	5889.0	6716.7	7647.3	8788.7	10111.5	11463.9
-17.5°	1927.8	2562.9	3171.2	3911.0	4725.9	5432.1	6156.6	7040.5	8063.2	9177.9	10278.7
-20°	1855.0	2458.1	3000.2	3641.0	4387.8	5054.5	5761.1	6537.7	7396.3	8304.7	9179.9



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-7F-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1786.7	2347.4	2842.0	3414.6	4097.2	4736.6	5367.7	6034.9	6745.9	7481.4	8404.8
-25°	1740.8	2241.1	2704.0	3234.9	3824.4	4414.5	4971.2	5544.8	6156.8	6970.3	7825.7
-27.5°	1712.4	2150.6	2582.8	3054.5	3563.3	4096.8	4600.6	5106.6	5788.8	6520.8	7277.8
-30°	1684.4	2060.5	2456.5	2884.0	3347.1	3809.9	4243.7	4815.3	5451.5	6121.2	6794.4
-32.5°	1631.2	1966.0	2341.5	2737.1	3146.3	3547.0	3999.9	4562.1	5145.5	5734.4	6342.0
-35°	1565.2	1882.6	2228.6	2587.7	2954.6	3351.0	3810.1	4304.9	4841.0	5388.8	5988.5
-37.5°	1507.6	1791.9	2111.5	2446.4	2790.2	3180.5	3602.6	4065.0	4553.5	5065.7	5638.3
-40°	1443.6	1694.1	2000.7	2314.8	2637.5	3002.3	3399.9	3820.0	4269.7	4759.5	5273.4
-42.5°	1375.1	1616.3	1886.6	2179.7	2486.5	2820.1	3181.2	3576.3	3995.9	4441.8	4912.4
-45°	1311.5	1532.6	1770.6	2044.2	2328.1	2631.5	2966.2	3321.0	3718.6	4129.2	4553.1
-47.5°	1240.8	1445.4	1670.7	1899.6	2165.6	2445.3	2742.0	3077.5	3428.9	3810.1	4201.6
-50°	1164.5	1358.7	1557.1	1766.5	1999.2	2254.8	2525.9	2827.8	3153.0	3486.0	3838.1
-52.5°	1086.1	1264.6	1444.0	1630.6	1838.2	2065.3	2311.8	2579.1	2871.7	3177.1	3480.9
-55°	1002.5	1167.3	1326.9	1496.6	1677.5	1879.9	2097.6	2335.9	2581.3	2859.5	3127.2
-57.5°	918.0	1063.1	1208.3	1362.3	1523.6	1693.0	1891.4	2093.1	2314.5	2543.2	2766.1
-60°	830.6	957.2	1086.4	1225.5	1371.2	1524.7	1686.2	1866.3	2053.7	2238.7	2435.2
-62.5°	739.9	851.6	965.3	1084.5	1215.4	1353.7	1497.9	1648.1	1802.7	1963.6	2122.3
-65°	652.4	747.1	846.3	950.6	1055.6	1182.2	1310.0	1436.3	1571.4	1701.7	1829.0
-67.5°	563.4	653.1	736.5	817.9	914.7	1023.4	1123.8	1238.2	1351.4	1458.5	1562.1
-70°	489.5	561.4	638.0	711.6	787.8	880.4	978.8	1069.8	1155.5	1245.3	1342.4
-72.5°	418.5	487.8	551.9	610.8	687.9	774.5	855.2	930.4	1012.0	1097.4	1175.9
-75°	353.4	413.9	476.4	534.3	598.6	674.1	755.5	832.0	901.4	970.5	1042.0
-77.5°	290.7	336.2	388.8	448.2	511.9	570.7	635.0	704.3	769.2	835.1	905.0
-80°	223.2	255.6	291.3	332.5	379.9	431.7	487.4	546.6	598.6	646.3	693.4
-82.5°	150.2	174.9	199.9	225.1	251.5	279.5	310.3	348.0	381.7	415.4	449.7
-85°	83.2	93.6	110.7	128.0	142.7	158.2	174.6	191.8	207.7	223.4	238.7
-87.5°	48.5	53.9	59.6	65.5	69.5	73.3	76.9	80.3	84.9	89.3	93.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	30.0	30.5	31.0	31.4	31.9	33.3	34.7	36.1	37.5	37.1	36.6
87.5°	15.2	15.0	14.7	14.4	14.1	15.5	17.0	18.5	20.0	18.4	16.7
85°	28.9	29.0	29.0	28.9	28.8	30.7	32.6	34.5	36.3	33.5	30.6
82.5°	49.6	48.6	46.9	44.6	41.6	40.9	40.1	39.0	37.6	36.0	34.6
80°	73.5	70.0	65.4	60.1	54.2	51.1	48.1	44.8	41.1	40.0	39.2
77.5°	94.8	88.4	80.6	72.2	63.2	57.8	53.2	48.5	43.6	42.5	42.1
75°	108.3	100.1	88.7	77.0	64.9	57.3	51.8	46.4	41.2	39.6	38.9
72.5°	112.5	100.9	87.8	73.0	58.9	49.9	44.8	40.2	36.1	34.4	33.6
70°	105.2	89.8	75.2	61.1	48.0	39.8	36.2	33.1	30.4	29.2	28.8
67.5°	88.9	72.8	59.1	47.3	37.8	31.8	29.7	27.8	26.1	25.0	24.3
65°	67.5	54.9	45.0	37.1	31.1	27.3	25.6	24.1	22.5	21.3	20.5
62.5°	49.6	40.4	34.5	30.0	26.5	24.0	22.4	21.1	20.0	19.1	18.4
60°	37.4	31.1	27.4	24.6	22.3	20.7	19.8	19.0	18.2	17.4	16.6
57.5°	28.5	24.7	22.1	20.7	19.7	19.0	18.2	17.3	16.4	15.6	14.8
55°	22.6	20.6	19.1	18.7	18.3	17.6	16.7	16.0	15.0	13.9	13.0
52.5°	19.0	18.8	18.8	18.5	17.9	17.4	16.8	15.6	14.5	13.3	12.7
50°	18.8	18.9	19.0	18.6	18.1	17.5	17.0	16.1	15.4	14.6	14.1
47.5°	19.5	19.7	20.8	19.1	18.8	19.3	19.0	18.3	18.0	17.6	17.1
45°	22.9	26.9	27.9	26.4	23.2	25.8	25.0	22.0	23.7	23.5	22.1
42.5°	40.8	45.1	48.4	46.3	39.6	41.8	41.8	37.3	38.6	38.7	37.0
40°	77.8	76.3	81.7	79.5	72.3	69.7	72.7	67.6	66.6	69.1	66.1
37.5°	128.1	129.0	126.6	126.9	124.3	117.4	121.5	120.1	115.8	123.9	124.8
35°	200.3	206.5	186.9	194.7	198.1	190.5	195.3	208.9	200.2	219.0	224.1
32.5°	297.0	309.8	300.7	291.7	306.5	318.2	323.7	352.7	360.4	377.5	397.8
30°	416.2	449.7	476.1	459.6	457.7	499.3	523.3	562.2	599.9	622.5	663.9
27.5°	664.2	653.9	716.8	735.4	694.0	760.5	850.5	867.7	982.6	992.0	1072.4
25°	1049.8	1044.4	1063.3	1154.5	1177.7	1210.9	1365.6	1447.3	1579.1	1650.4	1712.0
22.5°	1567.5	1713.8	1738.7	1696.9	1897.2	2028.1	2071.4	2306.5	2414.1	2574.6	2622.9
20°	2215.1	2555.4	2985.2	2992.0	2909.6	3286.9	3443.2	3566.8	3829.6	4012.7	4136.8
17.5°	3912.7	3910.0	4788.0	5273.1	5218.3	5489.9	6258.4	6179.1	6800.0	7176.4	7192.2
15°	6404.1	6868.4	7425.6	8305.5	9054.4	9658.1	10387.8	11341.1	12113.1	13020.0	13708.4
12.5°	9254.3	10168.8	11122.5	12126.2	13301.6	14636.2	16087.7	17358.6	18870.3	20193.2	21561.1
10°	12110.2	13558.6	14904.6	16404.6	18075.1	19852.9	21981.7	23841.7	26077.9	28039.2	29328.6
7.5°	14728.9	16466.5	18285.6	20466.0	22797.6	25030.1	27440.1	30049.0	32665.2	34931.2	36855.5
5°	17288.5	19241.8	21258.1	23659.9	26324.4	29121.8	32104.0	35189.4	37930.8	40512.2	42758.9
2.5°	19296.4	21533.9	23837.4	26553.3	29420.1	32255.0	35240.4	38561.8	41750.0	44769.1	47077.3
0°	20489.8	22734.8	24994.8	27872.3	31020.1	34066.5	37394.5	40930.9	44296.4	47183.3	49323.2
-2.5°	20014.4	22201.0	24484.6	27327.5	30360.2	33198.7	36378.4	39804.0	43063.7	45987.5	48208.4
-5°	18939.5	20901.4	22994.7	25623.3	28460.4	31280.5	34397.8	37656.6	40468.7	43063.8	45055.1
-7.5°	17428.1	19238.0	21190.2	23623.8	26232.8	28695.6	31243.7	33872.8	36431.8	38651.4	40289.7
-10°	15822.8	17461.2	19141.8	21093.4	23316.9	25466.4	27616.4	30014.4	32123.4	33955.8	35306.9
-12.5°	14213.0	15558.9	16884.7	18377.0	20285.0	22219.5	24079.0	26089.8	27769.6	29281.3	30483.3
-15°	12667.8	13715.6	14721.5	16165.9	17846.1	19274.8	20419.0	22240.2	23380.6	24724.4	25564.8
-17.5°	11231.5	12068.2	13290.8	14532.4	15731.1	16905.3	18225.5	19303.7	20423.0	21520.6	22242.8
-20°	10101.5	11136.3	12169.7	13179.4	14209.2	15330.0	16375.0	17393.9	18369.4	19213.0	19792.0



REPORT NUMBER: P701505 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9365.9	10284.5	11154.4	12063.1	13066.2	14007.3	14890.4	15828.6	16662.7	17292.6	17763.6
-25°	8659.5	9458.5	10304.8	11213.8	12062.7	12854.8	13667.9	14392.2	15103.9	15628.3	16069.2
-27.5°	8022.9	8780.8	9614.7	10420.4	11177.0	11917.3	12608.2	13208.2	13801.2	14220.7	14659.0
-30°	7469.1	8236.8	8995.2	9711.4	10422.1	11092.8	11702.0	12271.7	12769.2	13177.8	13545.2
-32.5°	7050.8	7746.9	8422.3	9092.4	9765.9	10384.2	10917.6	11464.7	11922.5	12314.2	12647.0
-35°	6637.2	7291.7	7915.9	8530.0	9149.9	9746.1	10262.5	10738.9	11189.4	11540.1	11845.0
-37.5°	6233.8	6844.2	7421.7	7974.0	8541.2	9090.8	9561.8	10009.3	10412.1	10736.1	11025.4
-40°	5827.6	6386.6	6903.0	7417.5	7927.1	8387.7	8830.5	9242.6	9587.7	9886.4	10149.7
-42.5°	5407.8	5900.0	6365.8	6836.7	7302.2	7709.7	8100.5	8470.8	8764.5	9029.2	9257.2
-45°	4986.4	5419.6	5846.3	6269.4	6652.4	7028.6	7382.8	7695.5	7960.3	8194.8	8392.5
-47.5°	4580.8	4949.0	5339.4	5725.2	6054.2	6376.3	6686.1	6951.3	7181.2	7386.3	7560.3
-50°	4175.5	4504.1	4844.6	5175.7	5477.4	5760.1	6019.8	6251.4	6461.0	6638.2	6787.5
-52.5°	3774.2	4079.3	4370.4	4639.7	4913.8	5173.7	5415.3	5617.8	5801.5	5965.4	6096.9
-55°	3391.2	3661.0	3933.2	4162.4	4384.0	4600.5	4801.7	4982.6	5149.0	5299.6	5417.5
-57.5°	3004.8	3240.1	3467.5	3673.1	3872.0	4063.0	4226.0	4367.7	4500.5	4622.2	4726.2
-60°	2631.9	2827.9	3020.1	3191.6	3357.3	3516.2	3655.0	3775.7	3882.6	3976.9	4062.2
-62.5°	2281.7	2450.2	2603.3	2741.8	2871.5	3001.0	3119.4	3223.7	3314.4	3392.0	3458.7
-65°	1959.8	2099.2	2221.7	2336.4	2444.0	2553.2	2648.2	2733.9	2810.2	2874.3	2925.7
-67.5°	1673.6	1782.7	1884.7	1973.5	2065.0	2158.0	2243.9	2319.0	2383.6	2434.9	2474.8
-70°	1432.2	1520.5	1612.0	1700.5	1787.7	1867.5	1941.8	2008.2	2067.4	2111.5	2146.7
-72.5°	1247.9	1322.4	1406.8	1496.1	1578.8	1658.2	1733.8	1804.1	1869.6	1911.6	1944.4
-75°	1115.6	1192.5	1268.0	1342.4	1415.7	1485.5	1555.9	1627.7	1700.2	1742.9	1777.3
-77.5°	969.4	1023.3	1079.4	1140.2	1204.8	1267.5	1328.8	1389.3	1448.6	1478.3	1500.9
-80°	743.2	786.2	828.4	871.2	914.1	958.2	1002.6	1046.7	1090.1	1110.1	1125.1
-82.5°	484.4	514.0	542.1	569.1	594.9	617.0	637.6	656.8	674.5	683.2	689.1
-85°	253.7	266.7	279.0	290.6	301.5	308.3	314.1	319.0	323.0	328.5	333.1
-87.5°	97.6	101.3	104.9	108.4	111.8	113.5	114.9	116.2	117.3	119.1	120.7
-90°	7.5	7.0	6.6	6.1	5.6	5.2	4.7	4.3	3.8	3.8	3.8



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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°	36.2	35.7	36.6	37.5	36.6	35.7	36.2	36.6	37.1	37.5	36.1
87.5°	14.9	13.1	12.2	11.3	12.2	13.1	14.9	16.7	18.4	20.0	18.5
85°	27.5	24.3	22.5	20.6	22.5	24.3	27.5	30.6	33.5	36.3	34.5
82.5°	33.2	31.8	31.9	31.9	31.9	31.8	33.2	34.6	36.0	37.6	39.0
80°	38.3	37.4	37.5	37.5	37.5	37.4	38.3	39.2	40.0	41.1	44.8
77.5°	41.7	41.2	40.4	39.4	40.4	41.2	41.7	42.1	42.5	43.6	48.5
75°	38.2	37.6	37.5	37.5	37.5	37.6	38.2	38.9	39.6	41.2	46.4
72.5°	32.8	32.1	31.9	31.9	31.9	32.1	32.8	33.6	34.4	36.1	40.2
70°	28.5	28.3	27.3	26.3	27.3	28.3	28.5	28.8	29.2	30.4	33.1
67.5°	23.5	22.8	22.5	22.5	22.5	22.8	23.5	24.3	25.0	26.1	27.8
65°	19.7	19.0	18.8	18.8	18.8	19.0	19.7	20.5	21.3	22.5	24.1
62.5°	17.7	17.1	16.1	15.0	16.1	17.1	17.7	18.4	19.1	20.0	21.1
60°	15.9	15.2	14.2	13.1	14.2	15.2	15.9	16.6	17.4	18.2	19.0
57.5°	14.1	13.4	13.1	13.1	13.1	13.4	14.1	14.8	15.6	16.4	17.3
55°	12.3	11.6	11.3	11.3	11.3	11.6	12.3	13.0	13.9	15.0	16.0
52.5°	12.1	11.5	11.3	11.3	11.3	11.5	12.1	12.7	13.3	14.5	15.6
50°	13.7	13.3	13.1	13.1	13.1	13.3	13.7	14.1	14.6	15.4	16.1
47.5°	16.4	15.5	15.0	15.0	15.0	15.5	16.4	17.1	17.6	18.0	18.3
45°	21.6	20.9	20.5	20.6	20.5	20.9	21.6	22.1	23.5	23.7	22.0
42.5°	37.4	36.4	34.9	33.8	34.9	36.4	37.4	37.0	38.7	38.6	37.3
40°	66.3	64.9	62.6	61.9	62.6	64.9	66.3	66.1	69.1	66.6	67.6
37.5°	126.5	125.6	121.5	120.1	121.5	125.6	126.5	124.8	123.9	115.8	120.1
35°	223.7	225.4	221.6	221.5	221.6	225.4	223.7	224.1	219.0	200.2	208.9
32.5°	404.5	408.9	397.5	403.6	397.5	408.9	404.5	397.8	377.5	360.4	352.7
30°	662.6	677.4	670.9	673.9	670.9	677.4	662.6	663.9	622.5	599.9	562.2
27.5°	1080.2	1091.3	1068.5	1060.5	1068.5	1091.3	1080.2	1072.4	992.0	982.6	867.7
25°	1746.7	1753.7	1731.4	1740.0	1731.4	1753.7	1746.7	1712.0	1650.4	1579.1	1447.3
22.5°	2720.9	2694.8	2670.2	2646.6	2670.2	2694.8	2720.9	2622.9	2574.6	2414.1	2306.5
20°	4252.2	4192.1	4184.1	4138.9	4184.1	4192.1	4252.2	4136.8	4012.7	3829.6	3566.8
17.5°	7576.2	7685.2	7443.1	6975.1	7443.1	7685.2	7576.2	7192.2	7176.4	6800.0	6179.1
15°	14113.9	14626.1	14846.1	14308.7	14846.1	14626.1	14113.9	13708.4	13020.0	12113.1	11341.1
12.5°	22316.2	22676.9	23113.6	22794.9	23113.6	22676.9	22316.2	21561.1	20193.2	18870.3	17358.6
10°	30436.1	30976.0	31637.1	31339.2	31637.1	30976.0	30436.1	29328.6	28039.2	26077.9	23841.7
7.5°	37914.4	38844.6	39425.5	39052.0	39425.5	38844.6	37914.4	36855.5	34931.2	32665.2	30049.0
5°	44296.7	45032.1	45382.3	45285.6	45382.3	45032.1	44296.7	42758.9	40512.2	37930.8	35189.4
2.5°	48389.7	49166.0	49479.7	49219.0	49479.7	49166.0	48389.7	47077.3	44769.1	41750.0	38561.8
0°	50390.2	51117.6	51616.9	51656.3	51616.9	51117.6	50390.2	49323.2	47183.3	44296.4	40930.9
-2.5°	49234.2	49676.2	49915.0	49755.9	49915.0	49676.2	49234.2	48208.4	45987.5	43063.7	39804.0
-5°	46206.3	46673.7	46825.4	47010.6	46825.4	46673.7	46206.3	45055.1	43063.8	40468.7	37656.6
-7.5°	41211.2	41724.1	42102.1	42086.2	42102.1	41724.1	41211.2	40289.7	38651.4	36431.8	33872.8
-10°	36311.8	36692.8	37087.2	37021.0	37087.2	36692.8	36311.8	35306.9	33955.8	32123.4	30014.4
-12.5°	31456.3	32091.8	32246.3	32199.8	32246.3	32091.8	31456.3	30483.3	29281.3	27769.6	26089.8
-15°	26521.4	26992.3	26953.7	26828.6	26953.7	26992.3	26521.4	25564.8	24724.4	23380.6	22240.2
-17.5°	22867.8	23127.5	23226.8	23129.0	23226.8	23127.5	22867.8	22242.8	21520.6	20423.0	19303.7
-20°	20268.1	20468.7	20536.3	20581.8	20536.3	20468.7	20268.1	19792.0	19213.0	18369.4	17393.9



REPORT NUMBER: P701505 (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°	18169.3	18374.3	18433.7	18511.4	18433.7	18374.3	18169.3	17763.6	17292.6	16662.7	15828.6
-25°	16409.3	16609.6	16677.3	16754.5	16677.3	16609.6	16409.3	16069.2	15628.3	15103.9	14392.2
-27.5°	14953.0	15148.5	15230.0	15288.5	15230.0	15148.5	14953.0	14659.0	14220.7	13801.2	13208.2
-30°	13806.2	13998.7	14115.2	14152.9	14115.2	13998.7	13806.2	13545.2	13177.8	12769.2	12271.7
-32.5°	12896.3	13064.4	13173.8	13229.4	13173.8	13064.4	12896.3	12647.0	12314.2	11922.5	11464.7
-35°	12085.9	12254.7	12368.4	12426.1	12368.4	12254.7	12085.9	11845.0	11540.1	11189.4	10738.9
-37.5°	11257.2	11441.0	11561.3	11564.5	11561.3	11441.0	11257.2	11025.4	10736.1	10412.1	10009.3
-40°	10343.0	10488.7	10584.1	10622.2	10584.1	10488.7	10343.0	10149.7	9886.4	9587.7	9242.6
-42.5°	9426.0	9549.8	9627.1	9659.3	9627.1	9549.8	9426.0	9257.2	9029.2	8764.5	8470.8
-45°	8550.5	8675.2	8739.7	8730.1	8739.7	8675.2	8550.5	8392.5	8194.8	7960.3	7695.5
-47.5°	7694.0	7790.8	7843.6	7855.4	7843.6	7790.8	7694.0	7560.3	7386.3	7181.2	6951.3
-50°	6914.2	7016.8	7060.6	7048.3	7060.6	7016.8	6914.2	6787.5	6638.2	6461.0	6251.4
-52.5°	6205.3	6292.4	6330.3	6325.6	6330.3	6292.4	6205.3	6096.9	5965.4	5801.5	5617.8
-55°	5514.0	5589.3	5619.3	5614.2	5619.3	5589.3	5514.0	5417.5	5299.6	5149.0	4982.6
-57.5°	4812.5	4880.3	4900.4	4887.8	4900.4	4880.3	4812.5	4726.2	4622.2	4500.5	4367.7
-60°	4133.0	4188.7	4206.2	4199.0	4206.2	4188.7	4133.0	4062.2	3976.9	3882.6	3775.7
-62.5°	3513.8	3557.0	3574.7	3575.8	3574.7	3557.0	3513.8	3458.7	3392.0	3314.4	3223.7
-65°	2967.4	2999.4	3013.7	3016.4	3013.7	2999.4	2967.4	2925.7	2874.3	2810.2	2733.9
-67.5°	2507.0	2531.9	2540.6	2541.5	2540.6	2531.9	2507.0	2474.8	2434.9	2383.6	2319.0
-70°	2178.2	2206.1	2217.7	2224.3	2217.7	2206.1	2178.2	2146.7	2111.5	2067.4	2008.2
-72.5°	1975.1	2003.7	2017.2	2027.2	2017.2	2003.7	1975.1	1944.4	1911.6	1869.6	1804.1
-75°	1809.9	1840.3	1849.8	1854.5	1849.8	1840.3	1809.9	1777.3	1742.9	1700.2	1627.7
-77.5°	1520.5	1536.9	1543.0	1544.8	1543.0	1536.9	1520.5	1500.9	1478.3	1448.6	1389.3
-80°	1136.9	1145.5	1161.8	1175.0	1161.8	1145.5	1136.9	1125.1	1110.1	1090.1	1046.7
-82.5°	692.8	694.3	703.8	711.4	703.8	694.3	692.8	689.1	683.2	674.5	656.8
-85°	336.9	339.9	347.7	354.8	347.7	339.9	336.9	333.1	328.5	323.0	319.0
-87.5°	122.2	123.6	122.9	122.0	122.9	123.6	122.2	120.7	119.1	117.3	116.2
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	34.7	33.3	31.9	31.4	31.0	30.5	30.0	27.7	25.3	23.0	20.6
87.5°	17.0	15.5	14.1	14.4	14.7	15.0	15.2	14.2	13.2	12.3	11.5
85°	32.6	30.7	28.8	28.9	29.0	29.0	28.9	28.1	27.0	25.6	24.0
82.5°	40.1	40.9	41.6	44.6	46.9	48.6	49.6	49.2	48.3	46.7	44.2
80°	48.1	51.1	54.2	60.1	65.4	70.0	73.5	74.9	75.6	75.4	72.8
77.5°	53.2	57.8	63.2	72.2	80.6	88.4	94.8	97.8	99.2	99.8	97.1
75°	51.8	57.3	64.9	77.0	88.7	100.1	108.3	113.3	117.3	120.3	117.4
72.5°	44.8	49.9	58.9	73.0	87.8	100.9	112.5	122.2	130.3	136.9	132.7
70°	36.2	39.8	48.0	61.1	75.2	89.8	105.2	121.0	137.2	148.3	141.7
67.5°	29.7	31.8	37.8	47.3	59.1	72.8	88.9	107.1	124.5	141.4	139.8
65°	25.6	27.3	31.1	37.1	45.0	54.9	67.5	83.3	102.2	121.5	124.2
62.5°	22.4	24.0	26.5	30.0	34.5	40.4	49.6	62.7	78.1	91.5	98.2
60°	19.8	20.7	22.3	24.6	27.4	31.1	37.4	45.9	56.5	67.5	74.5
57.5°	18.2	19.0	19.7	20.7	22.1	24.7	28.5	33.2	41.8	48.7	54.6
55°	16.7	17.6	18.3	18.7	19.1	20.6	22.6	25.9	30.9	35.0	42.0
52.5°	16.8	17.4	17.9	18.5	18.8	18.8	19.0	21.2	24.4	28.9	33.0
50°	17.0	17.5	18.1	18.6	19.0	18.9	18.8	18.9	21.7	25.2	28.6
47.5°	19.0	19.3	18.8	19.1	20.8	19.7	19.5	20.9	23.5	23.6	26.7
45°	25.0	25.8	23.2	26.4	27.9	26.9	22.9	28.1	29.6	29.0	26.1
42.5°	41.8	41.8	39.6	46.3	48.4	45.1	40.8	44.8	43.1	38.8	43.6
40°	72.7	69.7	72.3	79.5	81.7	76.3	77.8	72.6	67.8	57.2	74.3
37.5°	121.5	117.4	124.3	126.9	126.6	129.0	128.1	117.3	102.2	110.9	124.3
35°	195.3	190.5	198.1	194.7	186.9	206.5	200.3	176.1	164.0	177.6	186.6
32.5°	323.7	318.2	306.5	291.7	300.7	309.8	297.0	261.2	266.4	266.3	256.5
30°	523.3	499.3	457.7	459.6	476.1	449.7	416.2	428.8	411.0	374.5	338.5
27.5°	850.5	760.5	694.0	735.4	716.8	653.9	664.2	645.6	585.7	518.1	469.3
25°	1365.6	1210.9	1177.7	1154.5	1063.3	1044.4	1049.8	962.4	820.7	722.4	789.1
22.5°	2071.4	2028.1	1897.2	1696.9	1738.7	1713.8	1567.5	1368.4	1220.9	1327.8	1242.5
20°	3443.2	3286.9	2909.6	2992.0	2985.2	2555.4	2215.1	2242.0	2327.4	2141.1	1812.0
17.5°	6258.4	5489.9	5218.3	5273.1	4788.0	3910.0	3912.7	3954.4	3662.0	3118.1	2479.2
15°	10387.8	9658.1	9054.4	8305.5	7425.6	6868.4	6404.1	5969.4	5224.5	4294.0	3450.6
12.5°	16087.7	14636.2	13301.6	12126.2	11122.5	10168.8	9254.3	8274.9	7061.5	5900.9	4927.9
10°	21981.7	19852.9	18075.1	16404.6	14904.6	13558.6	12110.2	10618.9	9093.9	7647.8	6405.4
7.5°	27440.1	25030.1	22797.6	20466.0	18285.6	16466.5	14728.9	12934.1	11095.6	9376.6	7869.1
5°	32104.0	29121.8	26324.4	23659.9	21258.1	19241.8	17288.5	15210.5	13044.0	11066.7	9299.0
2.5°	35240.4	32255.0	29420.1	26553.3	23837.4	21533.9	19296.4	16918.6	14412.7	12081.5	10087.5
0°	37394.5	34066.5	31020.1	27872.3	24994.8	22734.8	20489.8	18079.7	15446.2	12887.8	10809.9
-2.5°	36378.4	33198.7	30360.2	27327.5	24484.6	22201.0	20014.4	17822.5	15239.4	12800.1	10796.2
-5°	34397.8	31280.5	28460.4	25623.3	22994.7	20901.4	18939.5	17005.4	14691.1	12521.4	10700.8
-7.5°	31243.7	28695.6	26232.8	23623.8	21190.2	19238.0	17428.1	15604.8	13567.4	11636.0	9976.1
-10°	27616.4	25466.4	23316.9	21093.4	19141.8	17461.2	15822.8	14156.9	12385.5	10696.5	9212.1
-12.5°	24079.0	22219.5	20285.0	18377.0	16884.7	15558.9	14213.0	12737.2	11169.1	9717.1	8430.6
-15°	20419.0	19274.8	17846.1	16165.9	14721.5	13715.6	12667.8	11463.9	10111.5	8788.7	7647.3
-17.5°	18225.5	16905.3	15731.1	14532.4	13290.8	12068.2	11231.5	10278.7	9177.9	8063.2	7040.5
-20°	16375.0	15330.0	14209.2	13179.4	12169.7	11136.3	10101.5	9179.9	8304.7	7396.3	6537.7



REPORT NUMBER: P701505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-7F-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14890.4	14007.3	13066.2	12063.1	11154.4	10284.5	9365.9	8404.8	7481.4	6745.9	6034.9
-25°	13667.9	12854.8	12062.7	11213.8	10304.8	9458.5	8659.5	7825.7	6970.3	6156.8	5544.8
-27.5°	12608.2	11917.3	11177.0	10420.4	9614.7	8780.8	8022.9	7277.8	6520.8	5788.8	5106.6
-30°	11702.0	11092.8	10422.1	9711.4	8995.2	8236.8	7469.1	6794.4	6121.2	5451.5	4815.3
-32.5°	10917.6	10384.2	9765.9	9092.4	8422.3	7746.9	7050.8	6342.0	5734.4	5145.5	4562.1
-35°	10262.5	9746.1	9149.9	8530.0	7915.9	7291.7	6637.2	5988.5	5388.8	4841.0	4304.9
-37.5°	9561.8	9090.8	8541.2	7974.0	7421.7	6844.2	6233.8	5638.3	5065.7	4553.5	4065.0
-40°	8830.5	8387.7	7927.1	7417.5	6903.0	6386.6	5827.6	5273.4	4759.5	4269.7	3820.0
-42.5°	8100.5	7709.7	7302.2	6836.7	6365.8	5900.0	5407.8	4912.4	4441.8	3995.9	3576.3
-45°	7382.8	7028.6	6652.4	6269.4	5846.3	5419.6	4986.4	4553.1	4129.2	3718.6	3321.0
-47.5°	6686.1	6376.3	6054.2	5725.2	5339.4	4949.0	4580.8	4201.6	3810.1	3428.9	3077.5
-50°	6019.8	5760.1	5477.4	5175.7	4844.6	4504.1	4175.5	3838.1	3486.0	3153.0	2827.8
-52.5°	5415.3	5173.7	4913.8	4639.7	4370.4	4079.3	3774.2	3480.9	3177.1	2871.7	2579.1
-55°	4801.7	4600.5	4384.0	4162.4	3933.2	3661.0	3391.2	3127.2	2859.5	2581.3	2335.9
-57.5°	4226.0	4063.0	3872.0	3673.1	3467.5	3240.1	3004.8	2766.1	2543.2	2314.5	2093.1
-60°	3655.0	3516.2	3357.3	3191.6	3020.1	2827.9	2631.9	2435.2	2238.7	2053.7	1866.3
-62.5°	3119.4	3001.0	2871.5	2741.8	2603.3	2450.2	2281.7	2122.3	1963.6	1802.7	1648.1
-65°	2648.2	2553.2	2444.0	2336.4	2221.7	2099.2	1959.8	1829.0	1701.7	1571.4	1436.3
-67.5°	2243.9	2158.0	2065.0	1973.5	1884.7	1782.7	1673.6	1562.1	1458.5	1351.4	1238.2
-70°	1941.8	1867.5	1787.7	1700.5	1612.0	1520.5	1432.2	1342.4	1245.3	1155.5	1069.8
-72.5°	1733.8	1658.2	1578.8	1496.1	1406.8	1322.4	1247.9	1175.9	1097.4	1012.0	930.4
-75°	1555.9	1485.5	1415.7	1342.4	1268.0	1192.5	1115.6	1042.0	970.5	901.4	832.0
-77.5°	1328.8	1267.5	1204.8	1140.2	1079.4	1023.3	969.4	905.0	835.1	769.2	704.3
-80°	1002.6	958.2	914.1	871.2	828.4	786.2	743.2	693.4	646.3	598.6	546.6
-82.5°	637.6	617.0	594.9	569.1	542.1	514.0	484.4	449.7	415.4	381.7	348.0
-85°	314.1	308.3	301.5	290.6	279.0	266.7	253.7	238.7	223.4	207.7	191.8
-87.5°	114.9	113.5	111.8	108.4	104.9	101.3	97.6	93.5	89.3	84.9	80.3
-90°	4.7	5.2	5.6	6.1	6.6	7.0	7.5	7.5	7.5	7.5	7.5





REPORT NUMBER: P701505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-7F-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	19.2	17.8	16.4	15.0	14.5	14.1	13.6	13.1	12.7	12.2	11.8
87.5°	12.6	13.5	14.3	15.0	14.0	13.1	12.3	11.5	11.6	11.7	11.6
85°	23.4	23.0	23.0	23.0	21.1	18.7	17.0	15.5	15.8	15.9	15.7
82.5°	39.8	36.8	34.6	32.8	31.7	30.0	27.5	24.3	21.7	20.2	19.8
80°	65.3	58.2	51.7	46.2	43.0	41.4	39.3	35.8	30.2	26.1	23.6
77.5°	87.7	78.9	70.8	62.4	55.3	50.2	47.1	45.0	38.3	31.7	27.2
75°	107.3	96.3	85.8	75.6	66.1	58.4	52.2	47.7	42.1	36.8	30.4
72.5°	120.7	109.3	98.6	87.1	74.5	64.2	56.3	50.3	44.3	38.6	33.1
70°	130.1	119.5	107.9	94.8	81.6	69.2	59.0	52.2	46.3	40.2	34.4
67.5°	136.0	123.9	112.9	101.1	87.4	74.0	61.3	53.8	47.8	41.8	35.7
65°	121.6	119.0	115.3	102.6	90.6	78.3	64.8	55.9	49.2	43.0	36.8
62.5°	103.2	105.3	103.5	100.4	91.1	79.4	68.2	59.1	50.7	44.1	37.8
60°	80.6	86.5	90.3	89.5	86.7	79.1	69.2	62.0	53.1	45.2	38.7
57.5°	62.4	68.3	74.5	78.1	77.5	74.6	69.6	63.1	55.3	46.7	39.7
55°	47.3	54.2	60.8	65.9	68.2	66.9	67.9	63.3	56.8	48.3	40.9
52.5°	38.0	43.6	49.7	55.5	59.3	60.5	63.2	63.4	56.9	49.6	42.7
50°	32.1	38.5	42.5	47.0	51.6	55.5	59.0	60.3	56.8	50.3	44.4
47.5°	32.2	38.3	40.8	41.3	45.1	51.0	55.2	57.2	56.7	50.2	46.2
45°	39.0	43.3	43.4	42.2	41.5	48.2	51.8	54.6	54.4	51.3	48.0
42.5°	52.4	55.8	51.9	44.8	49.2	47.4	48.8	52.0	52.5	52.7	49.5
40°	80.5	75.7	65.5	64.4	64.9	48.5	49.2	49.8	51.2	54.0	50.9
37.5°	117.1	106.7	89.3	95.2	88.5	68.2	51.1	47.9	52.5	55.0	52.4
35°	175.4	148.2	138.2	137.3	123.1	92.7	54.3	48.2	54.8	56.5	54.0
32.5°	245.1	220.8	210.4	188.2	164.0	122.1	70.9	57.7	58.4	58.4	55.7
30°	336.1	346.7	298.0	244.5	211.5	160.9	106.2	69.5	63.1	60.7	57.4
27.5°	517.3	500.4	405.8	324.0	264.4	209.0	166.4	83.6	69.0	63.9	59.2
25°	755.9	686.1	554.9	418.8	320.8	354.4	242.1	101.2	79.0	68.4	61.2
22.5°	1077.8	906.0	722.5	522.1	540.3	538.7	346.7	158.8	91.6	73.5	63.3
20°	1452.6	1155.9	973.3	903.2	815.1	735.7	487.8	224.4	105.2	79.2	65.7
17.5°	1890.7	1701.7	1602.0	1369.0	1133.1	950.9	649.8	296.5	119.6	85.3	68.1
15°	2945.0	2617.6	2301.7	1882.6	1477.0	1180.7	828.3	373.1	134.5	91.7	74.9
12.5°	4159.0	3575.2	3055.8	2433.2	1840.4	1421.4	1017.9	452.3	149.7	106.4	87.7
10°	5396.8	4561.4	3848.3	3008.4	2216.1	1668.7	1213.4	540.8	185.4	127.9	100.8
7.5°	6641.7	5561.6	4661.5	3594.7	2586.4	1910.7	1420.5	646.2	224.6	149.7	114.2
5°	7775.9	6405.6	5321.6	4066.3	2895.2	2139.0	1621.1	747.5	263.9	171.5	127.6
2.5°	8449.8	6982.7	5857.2	4497.8	3187.6	2357.6	1808.1	842.1	302.6	193.1	140.9
0°	9068.0	7519.5	6351.9	4895.3	3459.4	2564.0	1976.5	927.3	339.7	214.0	153.9
-2.5°	9019.2	7529.2	6339.6	4954.5	3581.9	2671.7	2049.5	1031.6	442.9	288.8	203.2
-5°	8915.2	7494.1	6286.4	4976.0	3678.5	2762.7	2101.1	1124.2	542.6	361.7	251.3
-7.5°	8455.1	7218.8	6112.8	4939.5	3748.2	2835.0	2133.8	1205.2	637.5	431.5	297.5
-10°	7891.3	6789.6	5775.6	4701.7	3643.5	2827.2	2140.7	1274.8	726.4	497.3	341.1
-12.5°	7308.5	6343.8	5426.4	4446.9	3496.1	2748.9	2074.1	1303.1	804.8	558.1	381.4
-15°	6716.7	5889.0	5073.9	4181.4	3337.6	2660.3	2002.0	1309.3	852.4	607.8	417.8
-17.5°	6156.6	5432.1	4725.9	3911.0	3171.2	2562.9	1927.8	1309.4	893.9	645.7	449.4
-20°	5761.1	5054.5	4387.8	3641.0	3000.2	2458.1	1855.0	1304.7	928.9	679.1	476.8



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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°	5367.7	4736.6	4097.2	3414.6	2842.0	2347.4	1786.7	1296.1	957.2	707.7	500.3
-25°	4971.2	4414.5	3824.4	3234.9	2704.0	2241.1	1740.8	1284.6	978.6	731.3	519.7
-27.5°	4600.6	4096.8	3563.3	3054.5	2582.8	2150.6	1712.4	1302.2	996.1	749.7	534.7
-30°	4243.7	3809.9	3347.1	2884.0	2456.5	2060.5	1684.4	1312.6	1013.7	764.4	545.1
-32.5°	3999.9	3547.0	3146.3	2737.1	2341.5	1966.0	1631.2	1314.0	1024.4	774.1	554.4
-35°	3810.1	3351.0	2954.6	2587.7	2228.6	1882.6	1565.2	1306.3	1028.3	777.6	560.5
-37.5°	3602.6	3180.5	2790.2	2446.4	2111.5	1791.9	1507.6	1263.6	1025.3	774.9	562.2
-40°	3399.9	3002.3	2637.5	2314.8	2000.7	1694.1	1443.6	1218.9	1015.8	765.9	559.6
-42.5°	3181.2	2820.1	2486.5	2179.7	1886.6	1616.3	1375.1	1168.0	974.6	755.6	552.4
-45°	2966.2	2631.5	2328.1	2044.2	1770.6	1532.6	1311.5	1111.2	925.4	742.1	541.7
-47.5°	2742.0	2445.3	2165.6	1899.6	1670.7	1445.4	1240.8	1050.9	872.0	722.3	527.4
-50°	2525.9	2254.8	1999.2	1766.5	1557.1	1358.7	1164.5	985.7	822.6	679.5	508.5
-52.5°	2311.8	2065.3	1838.2	1630.6	1444.0	1264.6	1086.1	916.6	768.8	634.3	485.0
-55°	2097.6	1879.9	1677.5	1496.6	1326.9	1167.3	1002.5	849.7	710.7	586.5	457.3
-57.5°	1891.4	1693.0	1523.6	1362.3	1208.3	1063.1	918.0	777.9	651.6	536.0	428.0
-60°	1686.2	1524.7	1371.2	1225.5	1086.4	957.2	830.6	703.7	590.1	484.1	388.9
-62.5°	1497.9	1353.7	1215.4	1084.5	965.3	851.6	739.9	630.0	525.8	435.0	346.0
-65°	1310.0	1182.2	1055.6	950.6	846.3	747.1	652.4	553.2	466.8	384.5	304.4
-67.5°	1123.8	1023.4	914.7	817.9	736.5	653.1	563.4	484.0	408.5	332.7	268.1
-70°	978.8	880.4	787.8	711.6	638.0	561.4	489.5	417.6	348.8	290.9	231.1
-72.5°	855.2	774.5	687.9	610.8	551.9	487.8	418.5	353.4	302.2	248.8	193.5
-75°	755.5	674.1	598.6	534.3	476.4	413.9	353.4	302.5	255.3	206.2	159.9
-77.5°	635.0	570.7	511.9	448.2	388.8	336.2	290.7	251.1	206.7	164.4	126.9
-80°	487.4	431.7	379.9	332.5	291.3	255.6	223.2	190.4	154.1	121.6	93.0
-82.5°	310.3	279.5	251.5	225.1	199.9	174.9	150.2	125.6	100.3	77.9	64.3
-85°	174.6	158.2	142.7	128.0	110.7	93.6	83.2	73.3	63.9	55.1	46.9
-87.5°	76.9	73.3	69.5	65.5	59.6	53.9	48.5	43.2	38.3	33.7	29.4
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.3	10.8	10.4	9.9	9.4	8.5	7.5
87.5°	11.4	10.4	9.6	8.9	8.3	7.8	7.5
85°	15.2	13.4	11.7	10.3	9.1	8.2	7.5
82.5°	19.1	16.3	13.8	11.7	9.9	8.5	7.5
80°	22.6	19.1	15.9	13.1	10.7	8.8	7.5
77.5°	24.4	21.3	17.9	14.4	11.5	9.1	7.5
75°	26.0	22.2	19.6	15.8	12.3	9.4	7.5
72.5°	27.5	23.1	19.9	17.0	13.0	9.7	7.5
70°	28.9	23.8	20.2	18.1	13.8	10.0	7.5
67.5°	30.0	24.4	20.4	18.0	14.5	10.3	7.5
65°	31.1	25.2	20.5	17.9	15.1	10.6	7.5
62.5°	32.3	26.3	20.6	17.7	15.8	10.9	7.5
60°	33.3	27.3	20.5	17.5	16.4	11.1	7.5
57.5°	34.6	28.3	21.3	17.3	16.2	11.4	7.5
55°	35.9	29.3	22.2	17.0	16.1	11.6	7.5
52.5°	37.2	30.3	23.0	16.6	16.0	11.8	7.5
50°	38.6	31.6	23.8	16.2	15.9	12.0	7.5
47.5°	40.1	32.8	24.5	16.0	15.8	12.2	7.5
45°	41.7	34.1	25.2	16.6	15.7	12.4	7.5
42.5°	43.2	35.4	25.9	17.1	15.6	12.6	7.5
40°	44.8	36.7	26.7	17.9	15.6	12.7	7.5
37.5°	46.3	38.0	27.7	18.9	15.6	12.9	7.5
35°	47.8	39.2	28.7	19.9	15.6	13.0	7.5
32.5°	49.2	40.4	29.6	20.9	15.6	13.1	7.5
30°	50.5	41.5	30.5	21.9	15.7	13.2	7.5
27.5°	51.8	42.5	32.3	22.9	15.8	13.2	7.5
25°	53.2	43.5	34.4	23.9	15.8	13.3	7.5
22.5°	54.5	45.2	36.4	24.9	15.9	13.3	7.5
20°	55.8	48.7	38.4	25.8	16.0	13.4	7.5
17.5°	60.6	52.4	40.4	26.8	16.1	13.4	7.5
15°	67.9	56.3	42.4	27.7	16.2	13.4	7.5
12.5°	75.6	60.1	44.3	28.5	16.4	13.4	7.5
10°	83.4	64.1	46.2	29.3	16.5	13.3	7.5
7.5°	91.3	67.9	48.0	30.1	16.6	13.3	7.5
5°	99.3	71.7	49.6	30.8	16.7	13.2	7.5
2.5°	107.0	75.4	51.2	31.4	16.8	13.2	7.5
0°	114.5	78.8	52.6	31.9	16.9	13.1	7.5
-2.5°	144.4	95.9	61.4	35.8	18.2	13.4	7.5
-5°	173.5	112.6	70.0	39.6	19.5	13.7	7.5
-7.5°	201.4	128.5	78.2	43.2	20.7	13.9	7.5
-10°	227.7	143.6	86.0	46.6	21.9	14.1	7.5
-12.5°	252.1	157.6	93.2	49.7	23.1	14.4	7.5
-15°	274.2	170.4	99.7	52.6	24.1	14.6	7.5
-17.5°	293.7	181.7	105.5	55.2	25.1	14.7	7.5
-20°	312.1	191.4	110.6	57.3	26.0	14.9	7.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	330.6	199.4	114.7	59.1	26.8	15.0	7.5
-25°	346.3	209.6	117.8	60.5	27.6	15.1	7.5
-27.5°	359.2	219.4	120.0	61.5	28.2	15.2	7.5
-30°	369.0	227.1	121.5	62.0	28.6	15.3	7.5
-32.5°	375.7	232.5	125.4	62.0	29.0	15.3	7.5
-35°	380.9	235.6	127.9	61.5	29.3	15.3	7.5
-37.5°	383.4	237.0	128.9	60.5	29.4	15.3	7.5
-40°	382.5	237.5	128.4	59.0	29.4	15.2	7.5
-42.5°	378.0	235.6	127.5	57.5	29.2	15.1	7.5
-45°	369.9	231.2	126.3	56.5	28.9	15.0	7.5
-47.5°	358.4	224.4	123.8	54.8	28.5	14.8	7.5
-50°	345.7	215.2	119.9	54.3	28.0	14.6	7.5
-52.5°	330.1	203.6	114.8	53.7	27.3	14.4	7.5
-55°	311.1	193.3	108.4	52.6	26.5	14.1	7.5
-57.5°	288.9	181.6	100.7	51.0	25.6	13.9	7.5
-60°	264.4	168.2	92.1	48.8	24.5	13.6	7.5
-62.5°	242.8	153.0	86.5	46.1	23.6	13.2	7.5
-65°	218.7	136.1	80.0	42.9	22.6	12.9	7.5
-67.5°	192.4	120.8	72.7	39.3	21.5	12.5	7.5
-70°	164.2	107.3	64.6	35.3	20.4	12.1	7.5
-72.5°	141.2	92.7	55.9	32.3	19.2	11.7	7.5
-75°	117.9	77.1	46.5	29.4	17.9	11.3	7.5
-77.5°	93.4	60.8	40.3	26.4	16.5	10.8	7.5
-80°	68.0	49.0	34.6	23.3	15.2	10.4	7.5
-82.5°	53.0	39.7	28.7	20.0	13.8	9.9	7.5
-85°	39.3	30.2	22.7	16.7	12.3	9.4	7.5
-87.5°	25.4	20.6	16.5	13.3	10.9	8.9	7.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5

(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

