

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: P731328 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-70-7F-CV5**

Issue Date: 11/16/2023

**Test Information**

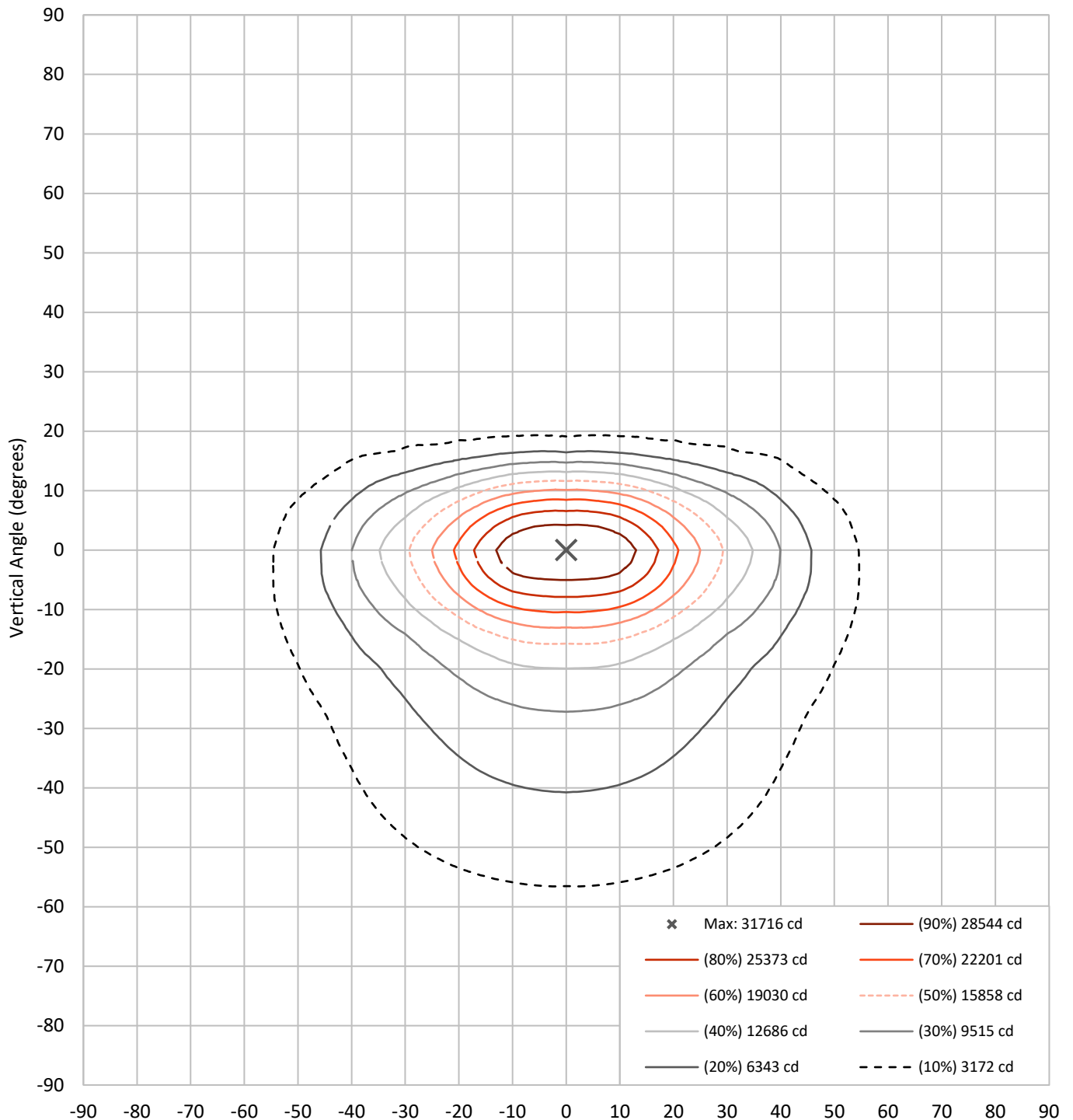
Test Method: LM-79-08  
Report Number: P731328 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320N-40-70-7F-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	21340.6 lumens	Max Intensity:	31716 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	61.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	8424.4 lumens	Field Lumens:	18780.2 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%
Input Watts (W):	345.8		
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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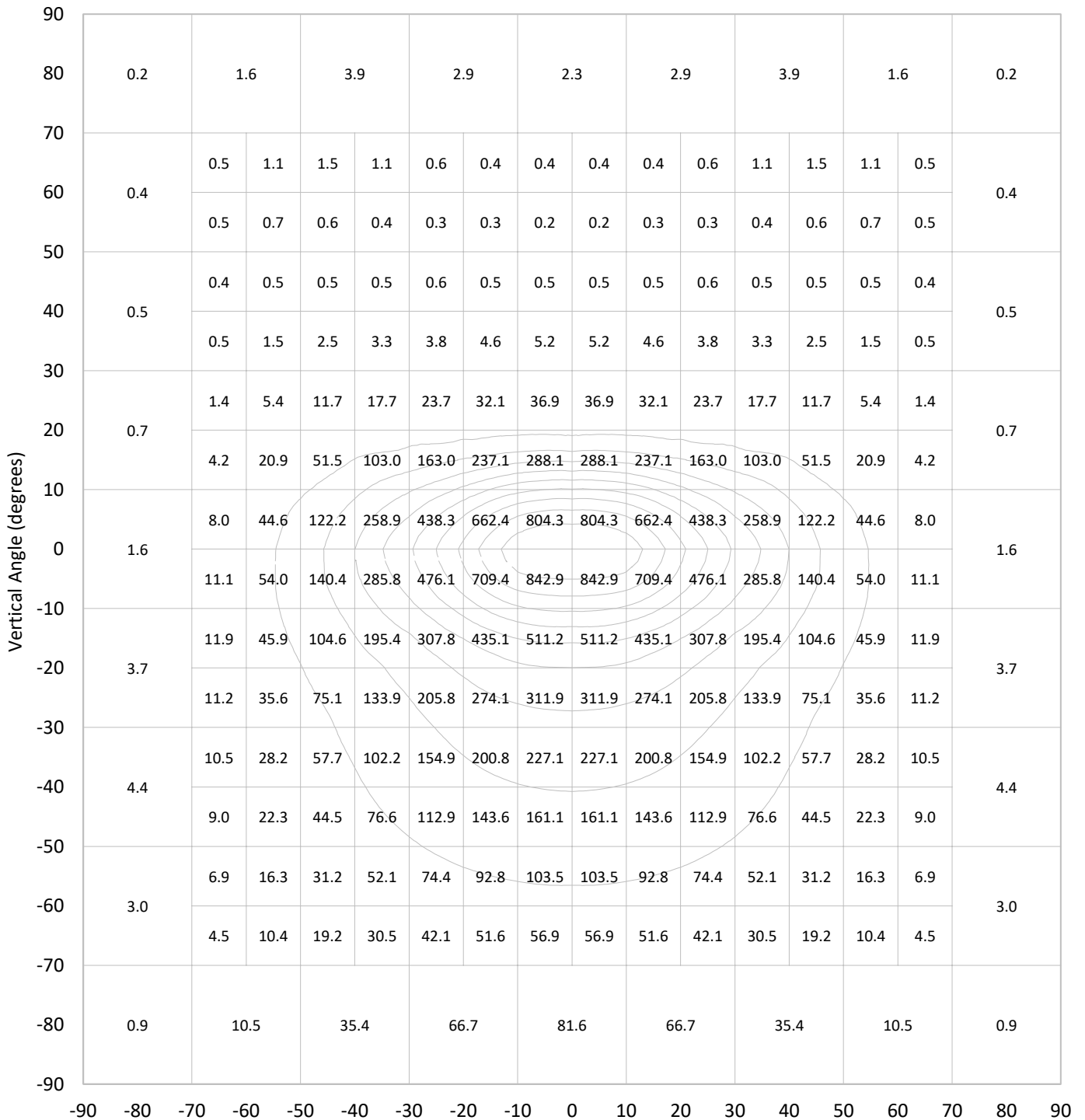
### Iso-Candela Plot





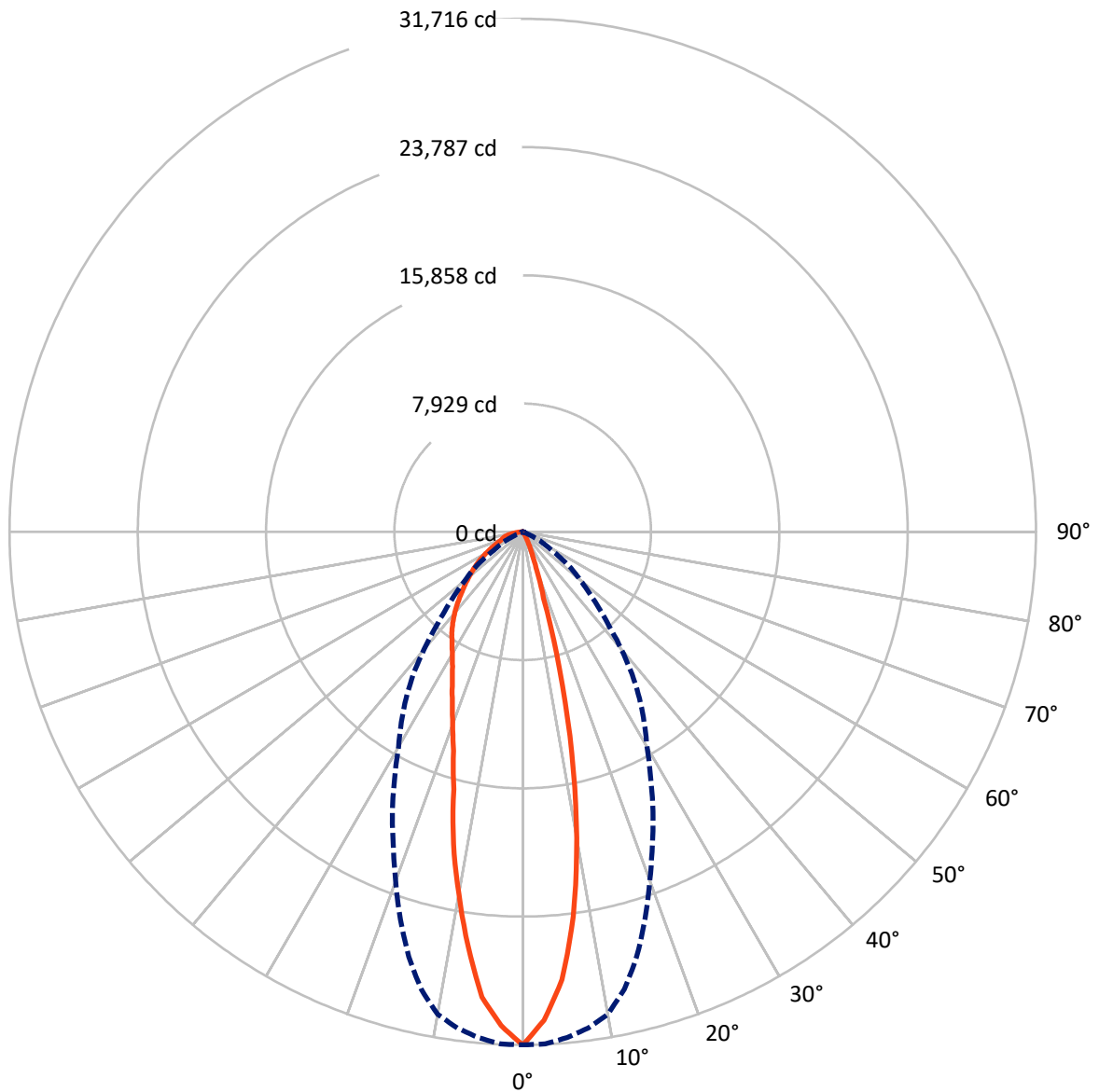
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### Lumen Table



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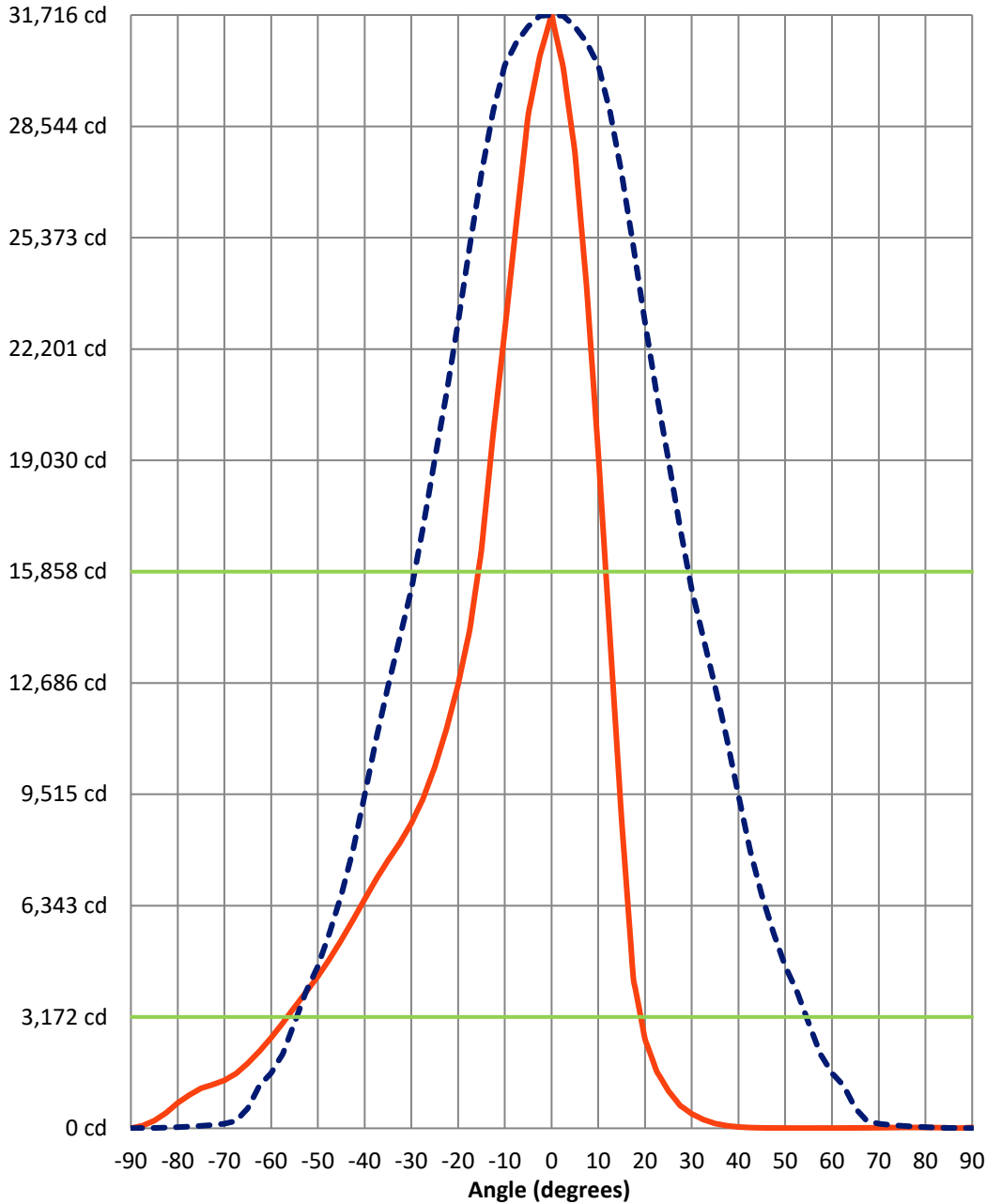
### Luminous Intensity Polar Plot



— 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: 8424.4  
 Efficiency: 39.5%

**Field:**  
 H Angle: 109.1°  
 V Angle: 75.6°  
 Lumens: 18780.2  
 Efficiency: 88.0%

**Spill:**  
 Lumens: 2560.4  
 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°	4.6	5.2	5.8	6.1	6.4	6.6	6.9	7.2	7.5	7.8	8.1
87.5°	4.6	4.8	5.1	5.5	5.9	6.4	7.0	7.1	7.2	7.1	7.1
85°	4.6	5.0	5.6	6.3	7.2	8.2	9.3	9.6	9.7	9.7	9.5
82.5°	4.6	5.2	6.1	7.2	8.5	10.0	11.7	12.2	12.4	13.3	15.0
80°	4.6	5.4	6.6	8.0	9.7	11.7	13.9	14.5	16.0	18.6	22.0
77.5°	4.6	5.6	7.1	8.9	11.0	13.1	14.9	16.7	19.5	23.6	27.7
75°	4.6	5.8	7.6	9.7	12.0	13.6	15.9	18.7	22.6	25.9	29.3
72.5°	4.6	6.0	8.0	10.5	12.2	14.2	16.9	20.3	23.7	27.2	30.9
70°	4.6	6.2	8.5	11.1	12.4	14.6	17.7	21.1	24.7	28.4	32.0
67.5°	4.6	6.3	8.9	11.0	12.5	15.0	18.4	21.9	25.7	29.3	33.0
65°	4.6	6.5	9.3	11.0	12.6	15.5	19.1	22.6	26.4	30.2	34.3
62.5°	4.6	6.7	9.7	10.9	12.6	16.1	19.8	23.2	27.1	31.1	36.3
60°	4.6	6.8	10.1	10.7	12.6	16.8	20.5	23.8	27.8	32.6	38.1
57.5°	4.6	7.0	10.0	10.6	13.1	17.4	21.2	24.4	28.7	33.9	38.7
55°	4.6	7.1	9.9	10.4	13.6	18.0	22.0	25.2	29.7	34.9	38.8
52.5°	4.6	7.3	9.8	10.2	14.1	18.6	22.9	26.2	30.5	34.9	38.9
50°	4.6	7.4	9.8	10.0	14.6	19.4	23.7	27.3	30.9	34.9	37.0
47.5°	4.6	7.5	9.7	9.8	15.1	20.2	24.6	28.4	30.8	34.8	35.1
45°	4.6	7.6	9.7	10.2	15.5	21.0	25.6	29.5	31.5	33.4	33.5
42.5°	4.6	7.8	9.6	10.5	15.9	21.7	26.6	30.5	32.4	32.2	31.9
40°	4.6	7.8	9.6	11.0	16.4	22.5	27.5	31.3	33.2	31.4	30.6
37.5°	4.6	7.9	9.6	11.6	17.0	23.3	28.4	32.2	33.8	32.2	29.4
35°	4.6	8.0	9.6	12.2	17.6	24.1	29.4	33.2	34.7	33.6	29.6
32.5°	4.6	8.1	9.6	12.8	18.2	24.8	30.2	34.2	35.8	35.8	35.4
30°	4.6	8.1	9.7	13.5	18.7	25.5	31.0	35.2	37.2	38.7	42.7
27.5°	4.6	8.2	9.7	14.1	19.8	26.1	31.8	36.3	39.2	42.4	51.3
25°	4.6	8.2	9.7	14.7	21.1	26.7	32.7	37.5	42.0	48.5	62.1
22.5°	4.6	8.2	9.8	15.3	22.3	27.7	33.5	38.9	45.1	56.2	97.5
20°	4.6	8.3	9.9	15.9	23.6	29.9	34.3	40.3	48.6	64.6	137.8
17.5°	4.6	8.3	9.9	16.4	24.8	32.2	37.2	41.8	52.3	73.4	182.0
15°	4.6	8.3	10.0	17.0	26.0	34.6	41.7	46.0	56.2	82.6	229.1
12.5°	4.6	8.3	10.1	17.5	27.2	37.0	46.4	53.8	65.3	91.9	277.7
10°	4.6	8.2	10.1	18.0	28.4	39.4	51.2	61.9	78.5	113.8	332.1
7.5°	4.6	8.2	10.2	18.5	29.5	41.7	56.1	70.1	91.9	137.9	396.8
5°	4.6	8.2	10.3	18.9	30.5	44.1	60.9	78.4	105.3	162.1	459.0
2.5°	4.6	8.1	10.3	19.3	31.4	46.3	65.7	86.5	118.5	185.8	517.0
0°	4.6	8.1	10.4	19.6	32.3	48.4	70.3	94.5	131.4	208.6	569.3
-2.5°	4.6	8.3	11.2	22.0	37.7	58.9	88.7	124.8	177.4	272.0	633.4
-5°	4.6	8.4	12.0	24.3	43.0	69.1	106.5	154.3	222.1	333.2	690.2
-7.5°	4.6	8.6	12.7	26.5	48.0	78.9	123.7	182.6	265.0	391.4	739.9
-10°	4.6	8.7	13.5	28.6	52.8	88.2	139.8	209.4	305.4	446.0	782.6
-12.5°	4.6	8.9	14.2	30.6	57.2	96.8	154.8	234.1	342.7	494.1	800.1
-15°	4.6	9.0	14.8	32.3	61.2	104.7	168.4	256.5	373.2	523.3	803.8
-17.5°	4.6	9.1	15.4	33.9	64.8	111.6	180.4	275.9	396.4	548.8	803.9
-20°	4.6	9.2	16.0	35.2	67.9	117.6	191.6	292.8	416.9	570.3	801.0



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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°	4.6	9.3	16.5	36.3	70.4	122.5	203.0	307.2	434.5	587.7	795.7
-25°	4.6	9.3	16.9	37.2	72.4	128.7	212.7	319.1	449.0	600.8	788.7
-27.5°	4.6	9.4	17.3	37.8	73.7	134.8	220.6	328.3	460.3	611.6	799.5
-30°	4.6	9.4	17.6	38.1	74.6	139.5	226.6	334.7	469.3	622.4	805.9
-32.5°	4.6	9.4	17.8	38.1	77.0	142.8	230.7	340.4	475.3	629.0	806.8
-35°	4.6	9.4	18.0	37.8	78.5	144.7	233.9	344.2	477.5	631.4	802.1
-37.5°	4.6	9.4	18.0	37.1	79.2	145.6	235.5	345.2	475.8	629.5	775.8
-40°	4.6	9.3	18.0	36.2	78.9	145.9	234.9	343.6	470.3	623.7	748.4
-42.5°	4.6	9.3	17.9	35.3	78.3	144.7	232.1	339.2	464.0	598.4	717.1
-45°	4.6	9.2	17.8	34.7	77.5	142.0	227.2	332.6	455.7	568.2	682.3
-47.5°	4.6	9.1	17.5	33.7	76.0	137.8	220.1	323.9	443.5	535.4	645.3
-50°	4.6	9.0	17.2	33.3	73.6	132.1	212.3	312.2	417.2	505.1	605.2
-52.5°	4.6	8.8	16.7	33.0	70.5	125.0	202.7	297.8	389.4	472.1	562.8
-55°	4.6	8.7	16.2	32.3	66.5	118.7	191.0	280.8	360.1	436.4	521.7
-57.5°	4.6	8.5	15.7	31.3	61.9	111.6	177.4	262.8	329.1	400.1	477.7
-60°	4.6	8.3	15.0	29.9	56.6	103.3	162.4	238.8	297.3	362.3	432.1
-62.5°	4.6	8.1	14.5	28.3	53.1	93.9	149.1	212.5	267.1	322.9	386.8
-65°	4.6	7.9	13.8	26.3	49.1	83.6	134.3	187.0	236.1	286.7	339.7
-67.5°	4.6	7.7	13.2	24.1	44.6	74.2	118.2	164.6	204.3	250.8	297.2
-70°	4.6	7.5	12.5	21.6	39.6	65.9	100.8	141.9	178.6	214.1	256.4
-72.5°	4.6	7.2	11.7	19.8	34.3	56.9	86.7	118.8	152.8	185.5	216.9
-75°	4.6	6.9	11.0	18.0	28.5	47.3	72.4	98.2	126.6	156.8	185.8
-77.5°	4.6	6.7	10.2	16.2	24.7	37.3	57.4	77.9	100.9	127.0	154.2
-80°	4.6	6.4	9.3	14.3	21.2	30.0	41.7	57.1	74.7	94.6	116.9
-82.5°	4.6	6.1	8.5	12.3	17.6	24.3	32.5	39.4	47.8	61.6	77.2
-85°	4.6	5.8	7.6	10.2	13.9	18.5	24.1	28.8	33.8	39.2	45.0
-87.5°	4.6	5.5	6.7	8.2	10.1	12.6	15.5	18.0	20.7	23.6	26.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6





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 CATALOG NUMBER: EPH-LS-08-0320N-40-70-7F-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.4	8.7	8.9	9.2	10.1	11.0	11.8	12.7	14.1	15.6	17.0
87.5°	7.5	8.1	8.6	9.2	8.8	8.3	7.7	7.1	7.6	8.2	8.7
85°	10.5	11.5	13.0	14.2	14.1	14.2	14.4	14.8	15.8	16.6	17.2
82.5°	16.9	18.4	19.5	20.2	21.2	22.6	24.4	27.2	28.7	29.6	30.2
80°	24.2	25.4	26.4	28.3	31.8	35.7	40.1	44.8	46.3	46.4	46.0
77.5°	28.9	30.8	34.0	38.3	43.4	48.5	53.9	59.6	61.3	60.9	60.1
75°	32.1	35.8	40.6	46.4	52.7	59.1	65.9	72.1	73.9	72.0	69.6
72.5°	34.6	39.4	45.8	53.5	60.5	67.1	74.1	81.5	84.1	80.0	75.0
70°	36.2	42.5	50.1	58.2	66.2	73.3	79.9	87.0	91.1	84.2	74.3
67.5°	37.6	45.4	53.6	62.0	69.3	76.1	83.5	85.8	86.8	76.4	65.8
65°	39.7	48.0	55.6	63.0	70.8	73.1	74.6	76.2	74.5	62.8	51.2
62.5°	41.8	48.7	55.9	61.7	63.5	64.6	63.3	60.2	56.2	48.0	38.5
60°	42.5	48.5	53.2	54.9	55.4	53.1	49.4	45.7	41.4	34.7	28.2
57.5°	42.7	45.7	47.5	47.9	45.7	41.9	38.3	33.5	29.9	25.7	20.4
55°	41.7	41.0	41.9	40.4	37.3	33.2	29.0	25.8	21.5	19.0	15.9
52.5°	38.8	37.1	36.4	34.1	30.5	26.8	23.3	20.2	17.8	15.0	13.0
50°	36.2	34.0	31.6	28.8	26.1	23.6	19.7	17.5	15.4	13.3	11.5
47.5°	33.9	31.3	27.7	25.4	25.0	23.5	19.8	16.3	14.4	14.4	12.8
45°	31.8	29.6	25.5	25.9	26.7	26.6	23.9	16.0	17.8	18.1	17.2
42.5°	30.0	29.1	30.2	27.6	31.9	34.2	32.1	26.8	23.8	26.5	27.5
40°	30.2	29.8	39.9	39.6	40.2	46.4	49.4	45.6	35.1	41.6	44.6
37.5°	31.4	41.8	54.4	58.4	54.8	65.5	71.9	76.4	68.1	62.8	72.0
35°	33.3	57.0	75.6	84.3	84.8	90.9	107.7	114.6	109.1	100.7	108.1
32.5°	43.5	75.0	100.7	115.5	129.2	135.5	150.5	157.5	163.5	163.5	160.3
30°	65.2	98.8	129.8	150.1	182.9	212.8	206.4	207.9	229.9	252.3	263.2
27.5°	102.2	128.4	162.4	198.9	249.1	307.2	317.6	288.1	318.1	359.6	396.4
25°	148.6	217.6	197.0	257.1	340.6	421.3	464.1	484.5	443.5	503.8	590.9
22.5°	212.9	330.8	331.8	320.6	443.6	556.3	661.8	762.9	815.2	749.6	840.1
20°	299.5	451.7	500.5	554.5	597.5	709.7	891.9	1112.5	1314.6	1429.0	1376.5
17.5°	399.0	583.8	695.7	840.5	983.6	1044.9	1160.8	1522.2	1914.4	2248.4	2427.9
15°	508.6	725.0	906.8	1155.9	1413.2	1607.2	1808.2	2118.6	2636.4	3207.7	3665.1
12.5°	625.0	872.7	1130.0	1493.9	1876.2	2195.1	2553.5	3025.6	3623.0	4335.7	5080.6
10°	745.0	1024.6	1360.6	1847.1	2362.7	2800.6	3313.5	3932.8	4695.6	5583.5	6519.8
7.5°	872.2	1173.1	1588.0	2207.1	2862.1	3414.7	4077.9	4831.4	5757.0	6812.5	7941.3
5°	995.4	1313.3	1777.6	2496.6	3267.3	3932.9	4774.3	5709.4	6794.7	8008.7	9339.0
2.5°	1110.2	1447.6	1957.1	2761.5	3596.2	4287.2	5188.0	6193.5	7417.8	8849.1	10387.7
0°	1213.6	1574.3	2124.0	3005.6	3900.0	4616.8	5567.6	6637.1	7912.9	9483.7	11100.6
-2.5°	1258.4	1640.4	2199.2	3042.0	3892.5	4622.8	5537.6	6628.7	7859.0	9356.7	10942.6
-5°	1290.1	1696.3	2258.5	3055.1	3859.8	4601.2	5473.8	6570.1	7687.9	9020.1	10440.9
-7.5°	1310.1	1740.6	2301.3	3032.7	3753.2	4432.2	5191.2	6125.1	7144.3	8330.1	9581.0
-10°	1314.3	1735.9	2237.1	2886.8	3546.1	4168.7	4845.1	5656.1	6567.4	7604.4	8692.0
-12.5°	1273.4	1687.8	2146.6	2730.3	3331.7	3895.0	4487.3	5176.3	5966.1	6857.6	7820.4
-15°	1229.1	1633.4	2049.2	2567.3	3115.3	3615.8	4123.9	4695.3	5396.1	6208.3	7038.6
-17.5°	1183.6	1573.6	1947.1	2401.3	2901.6	3335.2	3780.0	4322.7	4950.6	5635.1	6310.9
-20°	1138.9	1509.3	1842.1	2235.6	2694.0	3103.4	3537.2	4014.0	4541.2	5099.0	5636.2



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 CATALOG NUMBER: EPH-LS-08-0320N-40-70-7F-CV5

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1097.0	1441.3	1745.0	2096.6	2515.6	2908.2	3295.7	3705.3	4141.8	4593.4	5160.4
-25°	1068.8	1376.0	1660.3	1986.2	2348.1	2710.4	3052.2	3404.4	3780.1	4279.6	4804.8
-27.5°	1051.4	1320.5	1585.9	1875.5	2187.8	2515.4	2824.7	3135.4	3554.2	4003.6	4468.5
-30°	1034.2	1265.2	1508.3	1770.8	2055.1	2339.2	2605.5	2956.5	3347.1	3758.3	4171.7
-32.5°	1001.5	1207.1	1437.7	1680.5	1931.8	2177.8	2455.9	2801.0	3159.3	3520.8	3893.9
-35°	961.0	1155.9	1368.3	1588.8	1814.1	2057.4	2339.3	2643.2	2972.3	3308.6	3676.8
-37.5°	925.6	1100.2	1296.5	1502.1	1713.2	1952.8	2211.9	2495.8	2795.8	3110.3	3461.8
-40°	886.4	1040.1	1228.4	1421.3	1619.4	1843.4	2087.5	2345.5	2621.5	2922.3	3237.7
-42.5°	844.3	992.4	1158.4	1338.3	1526.7	1731.5	1953.2	2195.8	2453.4	2727.2	3016.2
-45°	805.2	941.0	1087.1	1255.1	1429.4	1615.7	1821.2	2039.1	2283.2	2535.2	2795.6
-47.5°	761.8	887.4	1025.8	1166.3	1329.6	1501.3	1683.5	1889.6	2105.3	2339.4	2579.7
-50°	715.0	834.2	956.0	1084.6	1227.5	1384.4	1550.8	1736.2	1935.9	2140.4	2356.5
-52.5°	666.9	776.5	886.6	1001.2	1128.6	1268.1	1419.4	1583.5	1763.2	1950.7	2137.3
-55°	615.5	716.8	814.7	918.9	1030.0	1154.2	1287.9	1434.2	1584.9	1755.7	1920.1
-57.5°	563.7	652.8	741.9	836.4	935.5	1039.5	1161.3	1285.2	1421.1	1561.5	1698.4
-60°	510.0	587.7	667.0	752.4	841.8	936.1	1035.3	1145.9	1261.0	1374.6	1495.2
-62.5°	454.3	522.9	592.7	665.9	746.2	831.1	919.7	1011.9	1106.8	1205.6	1303.0
-65°	400.6	458.7	519.6	583.7	648.1	725.8	804.3	881.8	964.8	1044.8	1123.0
-67.5°	345.9	401.0	452.2	502.2	561.6	628.4	690.0	760.3	829.8	895.5	959.1
-70°	300.6	344.7	391.7	436.9	483.7	540.5	601.0	656.9	709.5	764.7	824.2
-72.5°	256.9	299.5	338.8	375.0	422.4	475.5	525.1	571.2	621.4	673.8	722.0
-75°	217.0	254.1	292.5	328.1	367.5	413.9	463.9	510.8	553.5	595.9	639.8
-77.5°	178.5	206.4	238.7	275.2	314.3	350.4	389.9	432.4	472.3	512.7	555.6
-80°	137.1	157.0	178.9	204.2	233.3	265.1	299.3	335.6	367.5	396.8	425.7
-82.5°	92.2	107.4	122.8	138.3	154.5	171.6	190.5	213.7	234.3	255.0	276.1
-85°	51.1	57.5	68.0	78.6	87.6	97.2	107.2	117.7	127.5	137.1	146.5
-87.5°	29.8	33.1	36.6	40.3	42.7	45.0	47.2	49.3	52.1	54.8	57.4
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	18.4	18.7	19.0	19.3	19.6	20.5	21.3	22.2	23.0	22.7	22.5
87.5°	9.3	9.2	9.0	8.9	8.7	9.5	10.5	11.4	12.3	11.3	10.3
85°	17.7	17.8	17.8	17.8	17.7	18.8	20.0	21.2	22.3	20.6	18.8
82.5°	30.4	29.9	28.8	27.4	25.6	25.2	24.7	23.9	23.0	22.1	21.2
80°	45.1	43.0	40.2	36.9	33.3	31.4	29.5	27.5	25.3	24.6	24.1
77.5°	58.2	54.3	49.5	44.3	38.8	35.5	32.7	29.8	26.7	26.1	25.8
75°	66.5	61.5	54.5	47.3	39.9	35.2	31.8	28.5	25.3	24.3	23.9
72.5°	69.1	62.0	53.9	44.8	36.1	30.6	27.5	24.7	22.1	21.1	20.6
70°	64.6	55.2	46.2	37.6	29.5	24.4	22.2	20.3	18.7	17.9	17.7
67.5°	54.6	44.7	36.3	29.0	23.2	19.5	18.2	17.1	16.1	15.4	14.9
65°	41.5	33.7	27.6	22.8	19.1	16.8	15.8	14.8	13.9	13.1	12.6
62.5°	30.5	24.9	21.2	18.4	16.3	14.8	13.8	13.0	12.3	11.7	11.3
60°	23.0	19.1	16.8	15.1	13.7	12.8	12.2	11.6	11.1	10.7	10.2
57.5°	17.5	15.2	13.5	12.7	12.1	11.6	11.2	10.6	10.1	9.6	9.1
55°	13.8	12.6	11.7	11.4	11.2	10.8	10.3	9.8	9.2	8.5	8.0
52.5°	11.6	11.5	11.5	11.3	11.0	10.7	10.3	9.6	8.9	8.2	7.8
50°	11.5	11.6	11.6	11.4	11.1	10.8	10.4	9.9	9.5	9.0	8.7
47.5°	12.0	12.1	12.8	11.7	11.5	11.8	11.6	11.2	11.0	10.8	10.5
45°	14.1	16.5	17.1	16.2	14.3	15.9	15.3	13.5	14.6	14.4	13.6
42.5°	25.1	27.6	29.7	28.4	24.4	25.7	25.7	22.9	23.7	23.8	22.8
40°	47.8	46.8	50.1	48.8	44.4	42.8	44.7	41.5	40.9	42.5	40.6
37.5°	78.6	79.2	77.7	77.9	76.3	72.1	74.6	73.8	71.2	76.1	76.7
35°	123.0	126.8	114.8	119.5	121.6	117.0	119.9	128.3	122.9	134.5	137.7
32.5°	182.3	190.2	184.6	179.1	188.2	195.4	198.8	216.6	221.3	231.8	244.3
30°	255.5	276.1	292.3	282.2	281.0	306.5	321.3	345.2	368.3	382.2	407.7
27.5°	407.8	401.5	440.1	451.5	426.1	466.9	522.2	532.7	603.3	609.0	658.4
25°	644.6	641.2	652.8	708.8	723.1	743.5	838.5	888.6	969.6	1013.3	1051.2
22.5°	962.4	1052.2	1067.6	1041.9	1164.9	1245.2	1271.8	1416.2	1482.2	1580.8	1610.4
20°	1360.0	1568.9	1832.9	1837.0	1786.4	2018.1	2114.1	2189.9	2351.3	2463.7	2540.0
17.5°	2402.3	2400.7	2939.8	3237.6	3203.9	3370.7	3842.5	3793.8	4175.0	4406.2	4415.9
15°	3932.0	4217.1	4559.2	5099.4	5559.2	5929.9	6377.8	6963.2	7437.2	7994.0	8416.7
12.5°	5682.0	6243.5	6829.0	7445.3	8166.9	8986.3	9877.6	10657.8	11586.0	12398.2	13238.1
10°	7435.4	8324.8	9151.2	10072.1	11097.8	12189.3	13496.4	14638.4	16011.4	17215.5	18007.2
7.5°	9043.3	10110.2	11227.0	12565.7	13997.3	15368.0	16847.7	18449.5	20055.7	21447.1	22628.6
5°	10614.8	11814.2	13052.1	14526.7	16162.7	17880.2	19711.3	21605.6	23288.7	24873.7	26253.2
2.5°	11847.6	13221.5	14635.7	16303.3	18063.4	19804.0	21637.0	23676.2	25633.7	27487.4	28904.6
0°	12580.4	13958.7	15346.3	17113.1	19045.7	20916.2	22959.5	25130.8	27197.2	28969.6	30283.5
-2.5°	12288.5	13631.0	15033.1	16778.5	18640.6	20383.3	22335.7	24438.9	26440.3	28235.5	29599.1
-5°	11628.5	12833.0	14118.3	15732.2	17474.1	19205.6	21119.6	23120.4	24847.0	26440.4	27663.0
-7.5°	10700.5	11811.7	13010.4	14504.6	16106.4	17618.5	19183.1	20797.2	22368.5	23731.2	24737.1
-10°	9714.9	10720.9	11752.7	12950.9	14316.1	15635.9	16956.0	18428.3	19723.1	20848.2	21677.8
-12.5°	8726.5	9552.9	10366.9	11283.1	12454.6	13642.4	14784.1	16018.7	17050.0	17978.2	18716.2
-15°	7777.8	8421.1	9038.8	9925.6	10957.2	11834.3	12536.9	13655.1	14355.2	15180.3	15696.3
-17.5°	6896.0	7409.7	8160.3	8922.6	9658.6	10379.5	11190.1	11852.1	12539.4	13213.3	13656.7
-20°	6202.2	6837.5	7472.0	8091.9	8724.2	9412.3	10053.9	10679.5	11278.4	11796.4	12151.9



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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°	5750.5	6314.5	6848.6	7406.5	8022.4	8600.2	9142.4	9718.4	10230.5	10617.3	10906.5
-25°	5316.8	5807.3	6326.9	6885.1	7406.3	7892.6	8391.8	8836.5	9273.5	9595.5	9866.2
-27.5°	4925.9	5391.3	5903.2	6397.9	6862.5	7317.0	7741.3	8109.6	8473.7	8731.3	9000.4
-30°	4585.9	5057.2	5522.8	5962.6	6399.0	6810.8	7184.9	7534.6	7840.0	8090.9	8316.5
-32.5°	4329.1	4756.5	5171.1	5582.5	5996.1	6375.7	6703.2	7039.1	7320.2	7560.7	7765.0
-35°	4075.1	4477.0	4860.3	5237.2	5617.9	5983.9	6301.0	6593.5	6870.1	7085.4	7272.6
-37.5°	3827.5	4202.2	4556.8	4895.9	5244.1	5581.6	5870.8	6145.6	6392.9	6591.8	6769.4
-40°	3578.0	3921.3	4238.3	4554.3	4867.1	5149.9	5421.7	5674.8	5886.7	6070.1	6231.7
-42.5°	3320.3	3622.5	3908.5	4197.6	4483.4	4733.6	4973.5	5200.9	5381.2	5543.8	5683.7
-45°	3061.6	3327.5	3589.6	3849.3	4084.5	4315.5	4532.9	4724.9	4887.5	5031.4	5152.9
-47.5°	2812.5	3038.6	3278.3	3515.2	3717.2	3915.0	4105.2	4268.0	4409.1	4535.0	4641.8
-50°	2563.7	2765.4	2974.5	3177.8	3363.1	3536.6	3696.0	3838.2	3966.9	4075.7	4167.4
-52.5°	2317.3	2504.6	2683.3	2848.6	3017.0	3176.6	3324.9	3449.2	3562.0	3662.6	3743.4
-55°	2082.1	2247.8	2414.9	2555.6	2691.7	2824.7	2948.2	3059.2	3161.4	3253.8	3326.2
-57.5°	1844.9	1989.3	2129.0	2255.2	2377.3	2494.6	2594.7	2681.7	2763.2	2838.0	2901.8
-60°	1615.9	1736.3	1854.2	1959.6	2061.3	2158.9	2244.1	2318.2	2383.9	2441.8	2494.1
-62.5°	1400.9	1504.3	1598.4	1683.4	1763.0	1842.6	1915.2	1979.3	2034.9	2082.6	2123.6
-65°	1203.3	1288.9	1364.1	1434.5	1500.6	1567.6	1626.0	1678.6	1725.4	1764.7	1796.3
-67.5°	1027.6	1094.6	1157.2	1211.7	1267.9	1324.9	1377.7	1423.8	1463.5	1495.0	1519.5
-70°	879.4	933.6	989.7	1044.1	1097.6	1146.6	1192.2	1233.0	1269.4	1296.4	1318.1
-72.5°	766.2	812.0	863.7	918.6	969.4	1018.1	1064.5	1107.7	1147.9	1173.7	1193.8
-75°	685.0	732.2	778.5	824.2	869.2	912.1	955.3	999.4	1043.9	1070.2	1091.2
-77.5°	595.2	628.3	662.7	700.0	739.7	778.2	815.8	853.0	889.4	907.6	921.5
-80°	456.3	482.7	508.6	534.9	561.2	588.3	615.6	642.7	669.3	681.6	690.8
-82.5°	297.4	315.5	332.8	349.4	365.3	378.8	391.5	403.2	414.1	419.4	423.1
-85°	155.7	163.7	171.3	178.4	185.1	189.3	192.8	195.8	198.3	201.6	204.5
-87.5°	59.9	62.2	64.4	66.6	68.7	69.7	70.6	71.4	72.1	73.1	74.1
-90°	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.3	2.3



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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°	22.2	21.9	22.5	23.0	22.5	21.9	22.2	22.5	22.7	23.0	22.2
87.5°	9.2	8.1	7.5	6.9	7.5	8.1	9.2	10.3	11.3	12.3	11.4
85°	16.9	15.0	13.8	12.7	13.8	15.0	16.9	18.8	20.6	22.3	21.2
82.5°	20.4	19.6	19.6	19.6	19.6	19.6	20.4	21.2	22.1	23.0	23.9
80°	23.5	23.0	23.0	23.0	23.0	23.0	23.5	24.1	24.6	25.3	27.5
77.5°	25.6	25.4	24.8	24.2	24.8	25.4	25.6	25.8	26.1	26.7	29.8
75°	23.5	23.1	23.0	23.0	23.0	23.1	23.5	23.9	24.3	25.3	28.5
72.5°	20.1	19.7	19.6	19.6	19.6	19.7	20.1	20.6	21.1	22.1	24.7
70°	17.5	17.4	16.8	16.1	16.8	17.4	17.5	17.7	17.9	18.7	20.3
67.5°	14.4	14.0	13.8	13.8	13.8	14.0	14.4	14.9	15.4	16.1	17.1
65°	12.1	11.7	11.5	11.5	11.5	11.7	12.1	12.6	13.1	13.9	14.8
62.5°	10.9	10.5	9.9	9.2	9.9	10.5	10.9	11.3	11.7	12.3	13.0
60°	9.8	9.4	8.7	8.1	8.7	9.4	9.8	10.2	10.7	11.1	11.6
57.5°	8.7	8.3	8.1	8.1	8.1	8.3	8.7	9.1	9.6	10.1	10.6
55°	7.6	7.1	6.9	6.9	6.9	7.1	7.6	8.0	8.5	9.2	9.8
52.5°	7.4	7.1	6.9	6.9	6.9	7.1	7.4	7.8	8.2	8.9	9.6
50°	8.4	8.2	8.1	8.1	8.1	8.2	8.4	8.7	9.0	9.5	9.9
47.5°	10.1	9.5	9.2	9.2	9.2	9.5	10.1	10.5	10.8	11.0	11.2
45°	13.3	12.9	12.6	12.7	12.6	12.9	13.3	13.6	14.4	14.6	13.5
42.5°	23.0	22.3	21.4	20.7	21.4	22.3	23.0	22.8	23.8	23.7	22.9
40°	40.7	39.8	38.5	38.0	38.5	39.8	40.7	40.6	42.5	40.9	41.5
37.5°	77.7	77.1	74.6	73.8	74.6	77.1	77.7	76.7	76.1	71.2	73.8
35°	137.4	138.4	136.1	136.0	136.1	138.4	137.4	137.7	134.5	122.9	128.3
32.5°	248.4	251.1	244.0	247.8	244.0	251.1	248.4	244.3	231.8	221.3	216.6
30°	406.9	415.9	411.9	413.7	411.9	415.9	406.9	407.7	382.2	368.3	345.2
27.5°	663.2	670.0	656.1	651.1	656.1	670.0	663.2	658.4	609.0	603.3	532.7
25°	1072.4	1076.7	1063.0	1068.3	1063.0	1076.7	1072.4	1051.2	1013.3	969.6	888.6
22.5°	1670.6	1654.6	1639.4	1625.0	1639.4	1654.6	1670.6	1610.4	1580.8	1482.2	1416.2
20°	2610.8	2573.9	2568.9	2541.2	2568.9	2573.9	2610.8	2540.0	2463.7	2351.3	2189.9
17.5°	4651.6	4718.5	4569.9	4282.6	4569.9	4718.5	4651.6	4415.9	4406.2	4175.0	3793.8
15°	8665.7	8980.1	9115.2	8785.3	9115.2	8980.1	8665.7	8416.7	7994.0	7437.2	6963.2
12.5°	13701.8	13923.2	14191.3	13995.6	14191.3	13923.2	13701.8	13238.1	12398.2	11586.0	10657.8
10°	18687.2	19018.7	19424.6	19241.7	19424.6	19018.7	18687.2	18007.2	17215.5	16011.4	14638.4
7.5°	23278.8	23849.9	24206.6	23977.2	24206.6	23849.9	23278.8	22628.6	21447.1	20055.7	18449.5
5°	27197.4	27648.8	27863.9	27804.5	27863.9	27648.8	27197.4	26253.2	24873.7	23288.7	21605.6
2.5°	29710.4	30187.0	30379.6	30219.6	30379.6	30187.0	29710.4	28904.6	27487.4	25633.7	23676.2
0°	30938.7	31385.3	31691.8	31716.0	31691.8	31385.3	30938.7	30283.5	28969.6	27197.2	25130.8
-2.5°	30228.8	30500.3	30646.9	30549.2	30646.9	30500.3	30228.8	29599.1	28235.5	26440.3	24438.9
-5°	28369.9	28656.8	28749.9	28863.7	28749.9	28656.8	28369.9	27663.0	26440.4	24847.0	23120.4
-7.5°	25302.9	25617.8	25849.9	25840.2	25849.9	25617.8	25302.9	24737.1	23731.2	22368.5	20797.2
-10°	22294.7	22528.7	22770.8	22730.2	22770.8	22528.7	22294.7	21677.8	20848.2	19723.1	18428.3
-12.5°	19313.6	19703.8	19798.6	19770.1	19798.6	19703.8	19313.6	18716.2	17978.2	17050.0	16018.7
-15°	16283.7	16572.8	16549.1	16472.3	16549.1	16572.8	16283.7	15696.3	15180.3	14355.2	13655.1
-17.5°	14040.5	14199.9	14260.8	14200.8	14260.8	14199.9	14040.5	13656.7	13213.3	12539.4	11852.1
-20°	12444.2	12567.4	12608.9	12636.9	12608.9	12567.4	12444.2	12151.9	11796.4	11278.4	10679.5



REPORT NUMBER: P731328 (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°	11155.6	11281.5	11318.0	11365.7	11318.0	11281.5	11155.6	10906.5	10617.3	10230.5	9718.4
-25°	10075.0	10198.0	10239.6	10287.0	10239.6	10198.0	10075.0	9866.2	9595.5	9273.5	8836.5
-27.5°	9180.9	9300.9	9350.9	9386.9	9350.9	9300.9	9180.9	9000.4	8731.3	8473.7	8109.6
-30°	8476.7	8595.0	8666.5	8689.6	8666.5	8595.0	8476.7	8316.5	8090.9	7840.0	7534.6
-32.5°	7918.1	8021.3	8088.5	8122.6	8088.5	8021.3	7918.1	7765.0	7560.7	7320.2	7039.1
-35°	7420.5	7524.1	7593.9	7629.4	7593.9	7524.1	7420.5	7272.6	7085.4	6870.1	6593.5
-37.5°	6911.7	7024.5	7098.4	7100.4	7098.4	7024.5	6911.7	6769.4	6591.8	6392.9	6145.6
-40°	6350.4	6439.9	6498.5	6521.8	6498.5	6439.9	6350.4	6231.7	6070.1	5886.7	5674.8
-42.5°	5787.4	5863.4	5910.8	5930.6	5910.8	5863.4	5787.4	5683.7	5543.8	5381.2	5200.9
-45°	5249.8	5326.4	5366.0	5360.1	5366.0	5326.4	5249.8	5152.9	5031.4	4887.5	4724.9
-47.5°	4723.9	4783.4	4815.9	4823.1	4815.9	4783.4	4723.9	4641.8	4535.0	4409.1	4268.0
-50°	4245.2	4308.2	4335.1	4327.5	4335.1	4308.2	4245.2	4167.4	4075.7	3966.9	3838.2
-52.5°	3809.9	3863.5	3886.7	3883.8	3886.7	3863.5	3809.9	3743.4	3662.6	3562.0	3449.2
-55°	3385.5	3431.7	3450.1	3447.0	3450.1	3431.7	3385.5	3326.2	3253.8	3161.4	3059.2
-57.5°	2954.8	2996.4	3008.8	3001.0	3008.8	2996.4	2954.8	2901.8	2838.0	2763.2	2681.7
-60°	2537.6	2571.8	2582.5	2578.1	2582.5	2571.8	2537.6	2494.1	2441.8	2383.9	2318.2
-62.5°	2157.4	2183.9	2194.8	2195.8	2194.8	2183.9	2157.4	2123.6	2082.6	2034.9	1979.3
-65°	1821.9	1841.6	1850.3	1852.0	1850.3	1841.6	1821.9	1796.3	1764.7	1725.4	1678.6
-67.5°	1539.3	1554.6	1559.9	1560.4	1559.9	1554.6	1539.3	1519.5	1495.0	1463.5	1423.8
-70°	1337.4	1354.5	1361.6	1365.7	1361.6	1354.5	1337.4	1318.1	1296.4	1269.4	1233.0
-72.5°	1212.7	1230.3	1238.5	1244.7	1238.5	1230.3	1212.7	1193.8	1173.7	1147.9	1107.7
-75°	1111.3	1129.9	1135.7	1138.6	1135.7	1129.9	1111.3	1091.2	1070.2	1043.9	999.4
-77.5°	933.6	943.6	947.4	948.5	947.4	943.6	933.6	921.5	907.6	889.4	853.0
-80°	698.0	703.3	713.3	721.4	713.3	703.3	698.0	690.8	681.6	669.3	642.7
-82.5°	425.3	426.2	432.1	436.8	432.1	426.2	425.3	423.1	419.4	414.1	403.2
-85°	206.8	208.7	213.5	217.8	213.5	208.7	206.8	204.5	201.6	198.3	195.8
-87.5°	75.1	75.9	75.5	74.9	75.5	75.9	75.1	74.1	73.1	72.1	71.4
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.3	20.5	19.6	19.3	19.0	18.7	18.4	17.0	15.6	14.1	12.7
87.5°	10.5	9.5	8.7	8.9	9.0	9.2	9.3	8.7	8.2	7.6	7.1
85°	20.0	18.8	17.7	17.8	17.8	17.8	17.7	17.2	16.6	15.8	14.8
82.5°	24.7	25.2	25.6	27.4	28.8	29.9	30.4	30.2	29.6	28.7	27.2
80°	29.5	31.4	33.3	36.9	40.2	43.0	45.1	46.0	46.4	46.3	44.8
77.5°	32.7	35.5	38.8	44.3	49.5	54.3	58.2	60.1	60.9	61.3	59.6
75°	31.8	35.2	39.9	47.3	54.5	61.5	66.5	69.6	72.0	73.9	72.1
72.5°	27.5	30.6	36.1	44.8	53.9	62.0	69.1	75.0	80.0	84.1	81.5
70°	22.2	24.4	29.5	37.6	46.2	55.2	64.6	74.3	84.2	91.1	87.0
67.5°	18.2	19.5	23.2	29.0	36.3	44.7	54.6	65.8	76.4	86.8	85.8
65°	15.8	16.8	19.1	22.8	27.6	33.7	41.5	51.2	62.8	74.5	76.2
62.5°	13.8	14.8	16.3	18.4	21.2	24.9	30.5	38.5	48.0	56.2	60.2
60°	12.2	12.8	13.7	15.1	16.8	19.1	23.0	28.2	34.7	41.4	45.7
57.5°	11.2	11.6	12.1	12.7	13.5	15.2	17.5	20.4	25.7	29.9	33.5
55°	10.3	10.8	11.2	11.4	11.7	12.6	13.8	15.9	19.0	21.5	25.8
52.5°	10.3	10.7	11.0	11.3	11.5	11.5	11.6	13.0	15.0	17.8	20.2
50°	10.4	10.8	11.1	11.4	11.6	11.6	11.5	11.5	13.3	15.4	17.5
47.5°	11.6	11.8	11.5	11.7	12.8	12.1	12.0	12.8	14.4	14.4	16.3
45°	15.3	15.9	14.3	16.2	17.1	16.5	14.1	17.2	18.1	17.8	16.0
42.5°	25.7	25.7	24.4	28.4	29.7	27.6	25.1	27.5	26.5	23.8	26.8
40°	44.7	42.8	44.4	48.8	50.1	46.8	47.8	44.6	41.6	35.1	45.6
37.5°	74.6	72.1	76.3	77.9	77.7	79.2	78.6	72.0	62.8	68.1	76.4
35°	119.9	117.0	121.6	119.5	114.8	126.8	123.0	108.1	100.7	109.1	114.6
32.5°	198.8	195.4	188.2	179.1	184.6	190.2	182.3	160.3	163.5	163.5	157.5
30°	321.3	306.5	281.0	282.2	292.3	276.1	255.5	263.2	252.3	229.9	207.9
27.5°	522.2	466.9	426.1	451.5	440.1	401.5	407.8	396.4	359.6	318.1	288.1
25°	838.5	743.5	723.1	708.8	652.8	641.2	644.6	590.9	503.8	443.5	484.5
22.5°	1271.8	1245.2	1164.9	1041.9	1067.6	1052.2	962.4	840.1	749.6	815.2	762.9
20°	2114.1	2018.1	1786.4	1837.0	1832.9	1568.9	1360.0	1376.5	1429.0	1314.6	1112.5
17.5°	3842.5	3370.7	3203.9	3237.6	2939.8	2400.7	2402.3	2427.9	2248.4	1914.4	1522.2
15°	6377.8	5929.9	5559.2	5099.4	4559.2	4217.1	3932.0	3665.1	3207.7	2636.4	2118.6
12.5°	9877.6	8986.3	8166.9	7445.3	6829.0	6243.5	5682.0	5080.6	4335.7	3623.0	3025.6
10°	13496.4	12189.3	11097.8	10072.1	9151.2	8324.8	7435.4	6519.8	5583.5	4695.6	3932.8
7.5°	16847.7	15368.0	13997.3	12565.7	11227.0	10110.2	9043.3	7941.3	6812.5	5757.0	4831.4
5°	19711.3	17880.2	16162.7	14526.7	13052.1	11814.2	10614.8	9339.0	8008.7	6794.7	5709.4
2.5°	21637.0	19804.0	18063.4	16303.3	14635.7	13221.5	11847.6	10387.7	8849.1	7417.8	6193.5
0°	22959.5	20916.2	19045.7	17113.1	15346.3	13958.7	12580.4	11100.6	9483.7	7912.9	6637.1
-2.5°	22335.7	20383.3	18640.6	16778.5	15033.1	13631.0	12288.5	10942.6	9356.7	7859.0	6628.7
-5°	21119.6	19205.6	17474.1	15732.2	14118.3	12833.0	11628.5	10440.9	9020.1	7687.9	6570.1
-7.5°	19183.1	17618.5	16106.4	14504.6	13010.4	11811.7	10700.5	9581.0	8330.1	7144.3	6125.1
-10°	16956.0	15635.9	14316.1	12950.9	11752.7	10720.9	9714.9	8692.0	7604.4	6567.4	5656.1
-12.5°	14784.1	13642.4	12454.6	11283.1	10366.9	9552.9	8726.5	7820.4	6857.6	5966.1	5176.3
-15°	12536.9	11834.3	10957.2	9925.6	9038.8	8421.1	7777.8	7038.6	6208.3	5396.1	4695.3
-17.5°	11190.1	10379.5	9658.6	8922.6	8160.3	7409.7	6896.0	6310.9	5635.1	4950.6	4322.7
-20°	10053.9	9412.3	8724.2	8091.9	7472.0	6837.5	6202.2	5636.2	5099.0	4541.2	4014.0



REPORT NUMBER: P731328 (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°	9142.4	8600.2	8022.4	7406.5	6848.6	6314.5	5750.5	5160.4	4593.4	4141.8	3705.3
-25°	8391.8	7892.6	7406.3	6885.1	6326.9	5807.3	5316.8	4804.8	4279.6	3780.1	3404.4
-27.5°	7741.3	7317.0	6862.5	6397.9	5903.2	5391.3	4925.9	4468.5	4003.6	3554.2	3135.4
-30°	7184.9	6810.8	6399.0	5962.6	5522.8	5057.2	4585.9	4171.7	3758.3	3347.1	2956.5
-32.5°	6703.2	6375.7	5996.1	5582.5	5171.1	4756.5	4329.1	3893.9	3520.8	3159.3	2801.0
-35°	6301.0	5983.9	5617.9	5237.2	4860.3	4477.0	4075.1	3676.8	3308.6	2972.3	2643.2
-37.5°	5870.8	5581.6	5244.1	4895.9	4556.8	4202.2	3827.5	3461.8	3110.3	2795.8	2495.8
-40°	5421.7	5149.9	4867.1	4554.3	4238.3	3921.3	3578.0	3237.7	2922.3	2621.5	2345.5
-42.5°	4973.5	4733.6	4483.4	4197.6	3908.5	3622.5	3320.3	3016.2	2727.2	2453.4	2195.8
-45°	4532.9	4315.5	4084.5	3849.3	3589.6	3327.5	3061.6	2795.6	2535.2	2283.2	2039.1
-47.5°	4105.2	3915.0	3717.2	3515.2	3278.3	3038.6	2812.5	2579.7	2339.4	2105.3	1889.6
-50°	3696.0	3536.6	3363.1	3177.8	2974.5	2765.4	2563.7	2356.5	2140.4	1935.9	1736.2
-52.5°	3324.9	3176.6	3017.0	2848.6	2683.3	2504.6	2317.3	2137.3	1950.7	1763.2	1583.5
-55°	2948.2	2824.7	2691.7	2555.6	2414.9	2247.8	2082.1	1920.1	1755.7	1584.9	1434.2
-57.5°	2594.7	2494.6	2377.3	2255.2	2129.0	1989.3	1844.9	1698.4	1561.5	1421.1	1285.2
-60°	2244.1	2158.9	2061.3	1959.6	1854.2	1736.3	1615.9	1495.2	1374.6	1261.0	1145.9
-62.5°	1915.2	1842.6	1763.0	1683.4	1598.4	1504.3	1400.9	1303.0	1205.6	1106.8	1011.9
-65°	1626.0	1567.6	1500.6	1434.5	1364.1	1288.9	1203.3	1123.0	1044.8	964.8	881.8
-67.5°	1377.7	1324.9	1267.9	1211.7	1157.2	1094.6	1027.6	959.1	895.5	829.8	760.3
-70°	1192.2	1146.6	1097.6	1044.1	989.7	933.6	879.4	824.2	764.7	709.5	656.9
-72.5°	1064.5	1018.1	969.4	918.6	863.7	812.0	766.2	722.0	673.8	621.4	571.2
-75°	955.3	912.1	869.2	824.2	778.5	732.2	685.0	639.8	595.9	553.5	510.8
-77.5°	815.8	778.2	739.7	700.0	662.7	628.3	595.2	555.6	512.7	472.3	432.4
-80°	615.6	588.3	561.2	534.9	508.6	482.7	456.3	425.7	396.8	367.5	335.6
-82.5°	391.5	378.8	365.3	349.4	332.8	315.5	297.4	276.1	255.0	234.3	213.7
-85°	192.8	189.3	185.1	178.4	171.3	163.7	155.7	146.5	137.1	127.5	117.7
-87.5°	70.6	69.7	68.7	66.6	64.4	62.2	59.9	57.4	54.8	52.1	49.3
-90°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.6	4.6	4.6	4.6





REPORT NUMBER: P731328 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-7F-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.8	11.0	10.1	9.2	8.9	8.7	8.4	8.1	7.8	7.5	7.2
87.5°	7.7	8.3	8.8	9.2	8.6	8.1	7.5	7.1	7.1	7.2	7.1
85°	14.4	14.2	14.1	14.2	13.0	11.5	10.5	9.5	9.7	9.7	9.6
82.5°	24.4	22.6	21.2	20.2	19.5	18.4	16.9	15.0	13.3	12.4	12.2
80°	40.1	35.7	31.8	28.3	26.4	25.4	24.2	22.0	18.6	16.0	14.5
77.5°	53.9	48.5	43.4	38.3	34.0	30.8	28.9	27.7	23.6	19.5	16.7
75°	65.9	59.1	52.7	46.4	40.6	35.8	32.1	29.3	25.9	22.6	18.7
72.5°	74.1	67.1	60.5	53.5	45.8	39.4	34.6	30.9	27.2	23.7	20.3
70°	79.9	73.3	66.2	58.2	50.1	42.5	36.2	32.0	28.4	24.7	21.1
67.5°	83.5	76.1	69.3	62.0	53.6	45.4	37.6	33.0	29.3	25.7	21.9
65°	74.6	73.1	70.8	63.0	55.6	48.0	39.7	34.3	30.2	26.4	22.6
62.5°	63.3	64.6	63.5	61.7	55.9	48.7	41.8	36.3	31.1	27.1	23.2
60°	49.4	53.1	55.4	54.9	53.2	48.5	42.5	38.1	32.6	27.8	23.8
57.5°	38.3	41.9	45.7	47.9	47.5	45.7	42.7	38.7	33.9	28.7	24.4
55°	29.0	33.2	37.3	40.4	41.9	41.0	41.7	38.8	34.9	29.7	25.2
52.5°	23.3	26.8	30.5	34.1	36.4	37.1	38.8	38.9	34.9	30.5	26.2
50°	19.7	23.6	26.1	28.8	31.6	34.0	36.2	37.0	34.9	30.9	27.3
47.5°	19.8	23.5	25.0	25.4	27.7	31.3	33.9	35.1	34.8	30.8	28.4
45°	23.9	26.6	26.7	25.9	25.5	29.6	31.8	33.5	33.4	31.5	29.5
42.5°	32.1	34.2	31.9	27.6	30.2	29.1	30.0	31.9	32.2	32.4	30.5
40°	49.4	46.4	40.2	39.6	39.9	29.8	30.2	30.6	31.4	33.2	31.3
37.5°	71.9	65.5	54.8	58.4	54.4	41.8	31.4	29.4	32.2	33.8	32.2
35°	107.7	90.9	84.8	84.3	75.6	57.0	33.3	29.6	33.6	34.7	33.2
32.5°	150.5	135.5	129.2	115.5	100.7	75.0	43.5	35.4	35.8	35.8	34.2
30°	206.4	212.8	182.9	150.1	129.8	98.8	65.2	42.7	38.7	37.2	35.2
27.5°	317.6	307.2	249.1	198.9	162.4	128.4	102.2	51.3	42.4	39.2	36.3
25°	464.1	421.3	340.6	257.1	197.0	217.6	148.6	62.1	48.5	42.0	37.5
22.5°	661.8	556.3	443.6	320.6	331.8	330.8	212.9	97.5	56.2	45.1	38.9
20°	891.9	709.7	597.5	554.5	500.5	451.7	299.5	137.8	64.6	48.6	40.3
17.5°	1160.8	1044.9	983.6	840.5	695.7	583.8	399.0	182.0	73.4	52.3	41.8
15°	1808.2	1607.2	1413.2	1155.9	906.8	725.0	508.6	229.1	82.6	56.2	46.0
12.5°	2553.5	2195.1	1876.2	1493.9	1130.0	872.7	625.0	277.7	91.9	65.3	53.8
10°	3313.5	2800.6	2362.7	1847.1	1360.6	1024.6	745.0	332.1	113.8	78.5	61.9
7.5°	4077.9	3414.7	2862.1	2207.1	1588.0	1173.1	872.2	396.8	137.9	91.9	70.1
5°	4774.3	3932.9	3267.3	2496.6	1777.6	1313.3	995.4	459.0	162.1	105.3	78.4
2.5°	5188.0	4287.2	3596.2	2761.5	1957.1	1447.6	1110.2	517.0	185.8	118.5	86.5
0°	5567.6	4616.8	3900.0	3005.6	2124.0	1574.3	1213.6	569.3	208.6	131.4	94.5
-2.5°	5537.6	4622.8	3892.5	3042.0	2199.2	1640.4	1258.4	633.4	272.0	177.4	124.8
-5°	5473.8	4601.2	3859.8	3055.1	2258.5	1696.3	1290.1	690.2	333.2	222.1	154.3
-7.5°	5191.2	4432.2	3753.2	3032.7	2301.3	1740.6	1310.1	739.9	391.4	265.0	182.6
-10°	4845.1	4168.7	3546.1	2886.8	2237.1	1735.9	1314.3	782.6	446.0	305.4	209.4
-12.5°	4487.3	3895.0	3331.7	2730.3	2146.6	1687.8	1273.4	800.1	494.1	342.7	234.1
-15°	4123.9	3615.8	3115.3	2567.3	2049.2	1633.4	1229.1	803.8	523.3	373.2	256.5
-17.5°	3780.0	3335.2	2901.6	2401.3	1947.1	1573.6	1183.6	803.9	548.8	396.4	275.9
-20°	3537.2	3103.4	2694.0	2235.6	1842.1	1509.3	1138.9	801.0	570.3	416.9	292.8



REPORT NUMBER: P731328 (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°	3295.7	2908.2	2515.6	2096.6	1745.0	1441.3	1097.0	795.7	587.7	434.5	307.2
-25°	3052.2	2710.4	2348.1	1986.2	1660.3	1376.0	1068.8	788.7	600.8	449.0	319.1
-27.5°	2824.7	2515.4	2187.8	1875.5	1585.9	1320.5	1051.4	799.5	611.6	460.3	328.3
-30°	2605.5	2339.2	2055.1	1770.8	1508.3	1265.2	1034.2	805.9	622.4	469.3	334.7
-32.5°	2455.9	2177.8	1931.8	1680.5	1437.7	1207.1	1001.5	806.8	629.0	475.3	340.4
-35°	2339.3	2057.4	1814.1	1588.8	1368.3	1155.9	961.0	802.1	631.4	477.5	344.2
-37.5°	2211.9	1952.8	1713.2	1502.1	1296.5	1100.2	925.6	775.8	629.5	475.8	345.2
-40°	2087.5	1843.4	1619.4	1421.3	1228.4	1040.1	886.4	748.4	623.7	470.3	343.6
-42.5°	1953.2	1731.5	1526.7	1338.3	1158.4	992.4	844.3	717.1	598.4	464.0	339.2
-45°	1821.2	1615.7	1429.4	1255.1	1087.1	941.0	805.2	682.3	568.2	455.7	332.6
-47.5°	1683.5	1501.3	1329.6	1166.3	1025.8	887.4	761.8	645.3	535.4	443.5	323.9
-50°	1550.8	1384.4	1227.5	1084.6	956.0	834.2	715.0	605.2	505.1	417.2	312.2
-52.5°	1419.4	1268.1	1128.6	1001.2	886.6	776.5	666.9	562.8	472.1	389.4	297.8
-55°	1287.9	1154.2	1030.0	918.9	814.7	716.8	615.5	521.7	436.4	360.1	280.8
-57.5°	1161.3	1039.5	935.5	836.4	741.9	652.8	563.7	477.7	400.1	329.1	262.8
-60°	1035.3	936.1	841.8	752.4	667.0	587.7	510.0	432.1	362.3	297.3	238.8
-62.5°	919.7	831.1	746.2	665.9	592.7	522.9	454.3	386.8	322.9	267.1	212.5
-65°	804.3	725.8	648.1	583.7	519.6	458.7	400.6	339.7	286.7	236.1	187.0
-67.5°	690.0	628.4	561.6	502.2	452.2	401.0	345.9	297.2	250.8	204.3	164.6
-70°	601.0	540.5	483.7	436.9	391.7	344.7	300.6	256.4	214.1	178.6	141.9
-72.5°	525.1	475.5	422.4	375.0	338.8	299.5	256.9	216.9	185.5	152.8	118.8
-75°	463.9	413.9	367.5	328.1	292.5	254.1	217.0	185.8	156.8	126.6	98.2
-77.5°	389.9	350.4	314.3	275.2	238.7	206.4	178.5	154.2	127.0	100.9	77.9
-80°	299.3	265.1	233.3	204.2	178.9	157.0	137.1	116.9	94.6	74.7	57.1
-82.5°	190.5	171.6	154.5	138.3	122.8	107.4	92.2	77.2	61.6	47.8	39.4
-85°	107.2	97.2	87.6	78.6	68.0	57.5	51.1	45.0	39.2	33.8	28.8
-87.5°	47.2	45.0	42.7	40.3	36.6	33.1	29.8	26.6	23.6	20.7	18.0
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.9	6.6	6.4	6.1	5.8	5.2	4.6
87.5°	7.0	6.4	5.9	5.5	5.1	4.8	4.6
85°	9.3	8.2	7.2	6.3	5.6	5.0	4.6
82.5°	11.7	10.0	8.5	7.2	6.1	5.2	4.6
80°	13.9	11.7	9.7	8.0	6.6	5.4	4.6
77.5°	14.9	13.1	11.0	8.9	7.1	5.6	4.6
75°	15.9	13.6	12.0	9.7	7.6	5.8	4.6
72.5°	16.9	14.2	12.2	10.5	8.0	6.0	4.6
70°	17.7	14.6	12.4	11.1	8.5	6.2	4.6
67.5°	18.4	15.0	12.5	11.0	8.9	6.3	4.6
65°	19.1	15.5	12.6	11.0	9.3	6.5	4.6
62.5°	19.8	16.1	12.6	10.9	9.7	6.7	4.6
60°	20.5	16.8	12.6	10.7	10.1	6.8	4.6
57.5°	21.2	17.4	13.1	10.6	10.0	7.0	4.6
55°	22.0	18.0	13.6	10.4	9.9	7.1	4.6
52.5°	22.9	18.6	14.1	10.2	9.8	7.3	4.6
50°	23.7	19.4	14.6	10.0	9.8	7.4	4.6
47.5°	24.6	20.2	15.1	9.8	9.7	7.5	4.6
45°	25.6	21.0	15.5	10.2	9.7	7.6	4.6
42.5°	26.6	21.7	15.9	10.5	9.6	7.8	4.6
40°	27.5	22.5	16.4	11.0	9.6	7.8	4.6
37.5°	28.4	23.3	17.0	11.6	9.6	7.9	4.6
35°	29.4	24.1	17.6	12.2	9.6	8.0	4.6
32.5°	30.2	24.8	18.2	12.8	9.6	8.1	4.6
30°	31.0	25.5	18.7	13.5	9.7	8.1	4.6
27.5°	31.8	26.1	19.8	14.1	9.7	8.2	4.6
25°	32.7	26.7	21.1	14.7	9.7	8.2	4.6
22.5°	33.5	27.7	22.3	15.3	9.8	8.2	4.6
20°	34.3	29.9	23.6	15.9	9.9	8.3	4.6
17.5°	37.2	32.2	24.8	16.4	9.9	8.3	4.6
15°	41.7	34.6	26.0	17.0	10.0	8.3	4.6
12.5°	46.4	37.0	27.2	17.5	10.1	8.3	4.6
10°	51.2	39.4	28.4	18.0	10.1	8.2	4.6
7.5°	56.1	41.7	29.5	18.5	10.2	8.2	4.6
5°	60.9	44.1	30.5	18.9	10.3	8.2	4.6
2.5°	65.7	46.3	31.4	19.3	10.3	8.1	4.6
0°	70.3	48.4	32.3	19.6	10.4	8.1	4.6
-2.5°	88.7	58.9	37.7	22.0	11.2	8.3	4.6
-5°	106.5	69.1	43.0	24.3	12.0	8.4	4.6
-7.5°	123.7	78.9	48.0	26.5	12.7	8.6	4.6
-10°	139.8	88.2	52.8	28.6	13.5	8.7	4.6
-12.5°	154.8	96.8	57.2	30.6	14.2	8.9	4.6
-15°	168.4	104.7	61.2	32.3	14.8	9.0	4.6
-17.5°	180.4	111.6	64.8	33.9	15.4	9.1	4.6
-20°	191.6	117.6	67.9	35.2	16.0	9.2	4.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	203.0	122.5	70.4	36.3	16.5	9.3	4.6
-25°	212.7	128.7	72.4	37.2	16.9	9.3	4.6
-27.5°	220.6	134.8	73.7	37.8	17.3	9.4	4.6
-30°	226.6	139.5	74.6	38.1	17.6	9.4	4.6
-32.5°	230.7	142.8	77.0	38.1	17.8	9.4	4.6
-35°	233.9	144.7	78.5	37.8	18.0	9.4	4.6
-37.5°	235.5	145.6	79.2	37.1	18.0	9.4	4.6
-40°	234.9	145.9	78.9	36.2	18.0	9.3	4.6
-42.5°	232.1	144.7	78.3	35.3	17.9	9.3	4.6
-45°	227.2	142.0	77.5	34.7	17.8	9.2	4.6
-47.5°	220.1	137.8	76.0	33.7	17.5	9.1	4.6
-50°	212.3	132.1	73.6	33.3	17.2	9.0	4.6
-52.5°	202.7	125.0	70.5	33.0	16.7	8.8	4.6
-55°	191.0	118.7	66.5	32.3	16.2	8.7	4.6
-57.5°	177.4	111.6	61.9	31.3	15.7	8.5	4.6
-60°	162.4	103.3	56.6	29.9	15.0	8.3	4.6
-62.5°	149.1	93.9	53.1	28.3	14.5	8.1	4.6
-65°	134.3	83.6	49.1	26.3	13.8	7.9	4.6
-67.5°	118.2	74.2	44.6	24.1	13.2	7.7	4.6
-70°	100.8	65.9	39.6	21.6	12.5	7.5	4.6
-72.5°	86.7	56.9	34.3	19.8	11.7	7.2	4.6
-75°	72.4	47.3	28.5	18.0	11.0	6.9	4.6
-77.5°	57.4	37.3	24.7	16.2	10.2	6.7	4.6
-80°	41.7	30.0	21.2	14.3	9.3	6.4	4.6
-82.5°	32.5	24.3	17.6	12.3	8.5	6.1	4.6
-85°	24.1	18.5	13.9	10.2	7.6	5.8	4.6
-87.5°	15.5	12.6	10.1	8.2	6.7	5.5	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(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

