

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: P701457 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701457 (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-08-0320L-57-80-7F-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

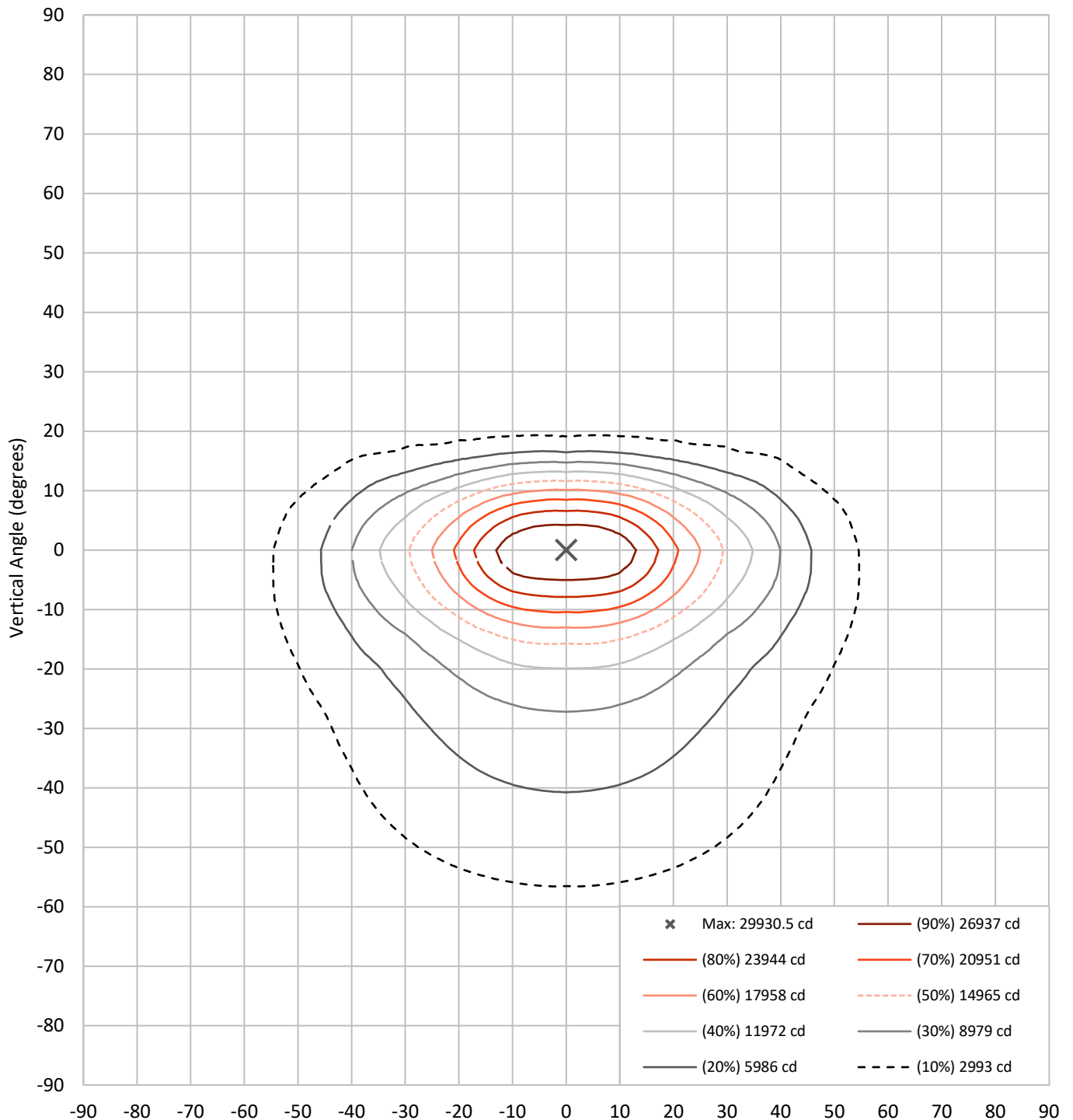
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	20139.2 lumens	Max Intensity:	29930.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	58.5 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:	8004.1 lumens	Field Lumens:	17722.9 lumens
Beam Efficiency:	39.7%	Field Efficiency:	88.0%

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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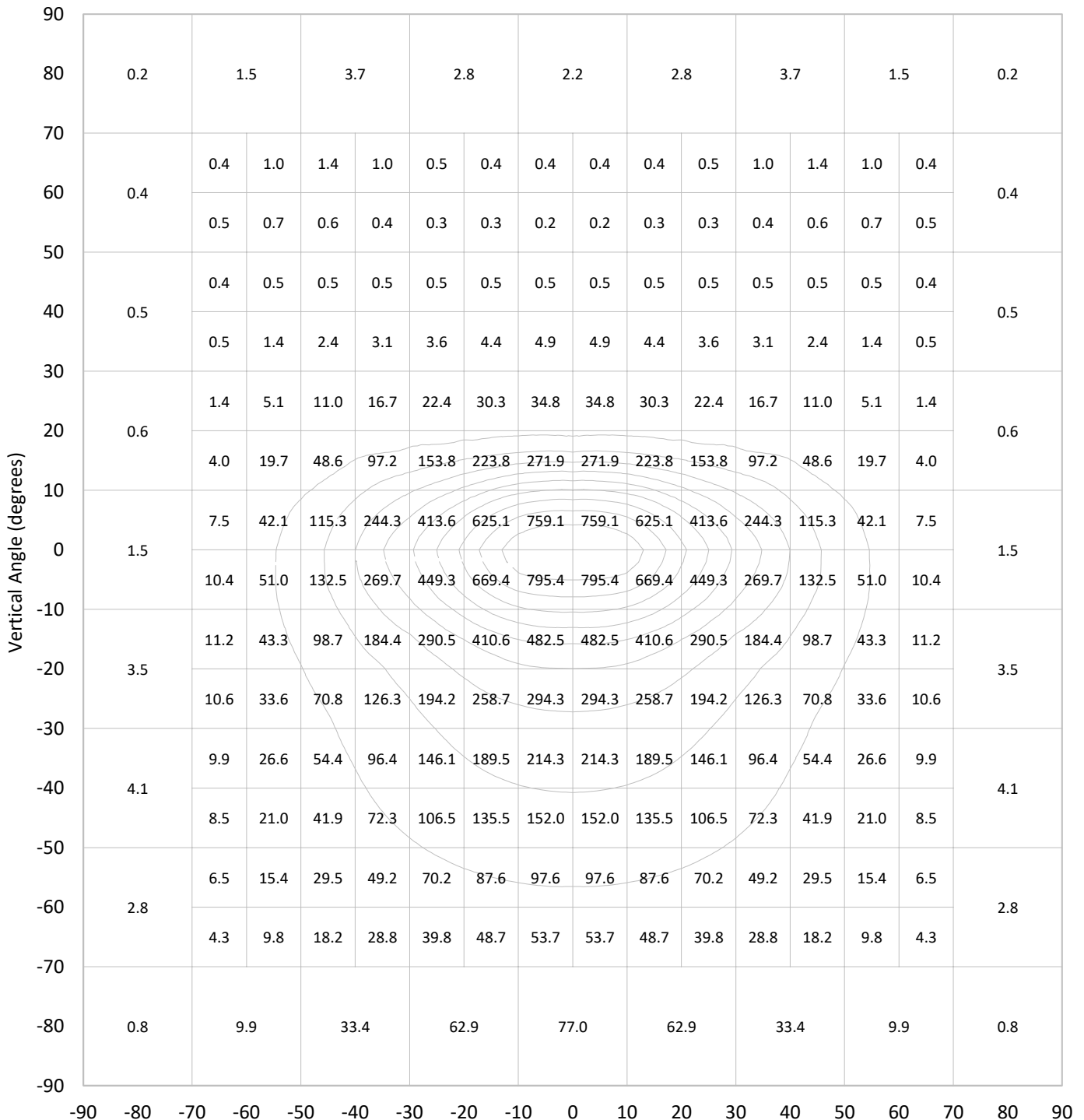
Iso-Candela Plot





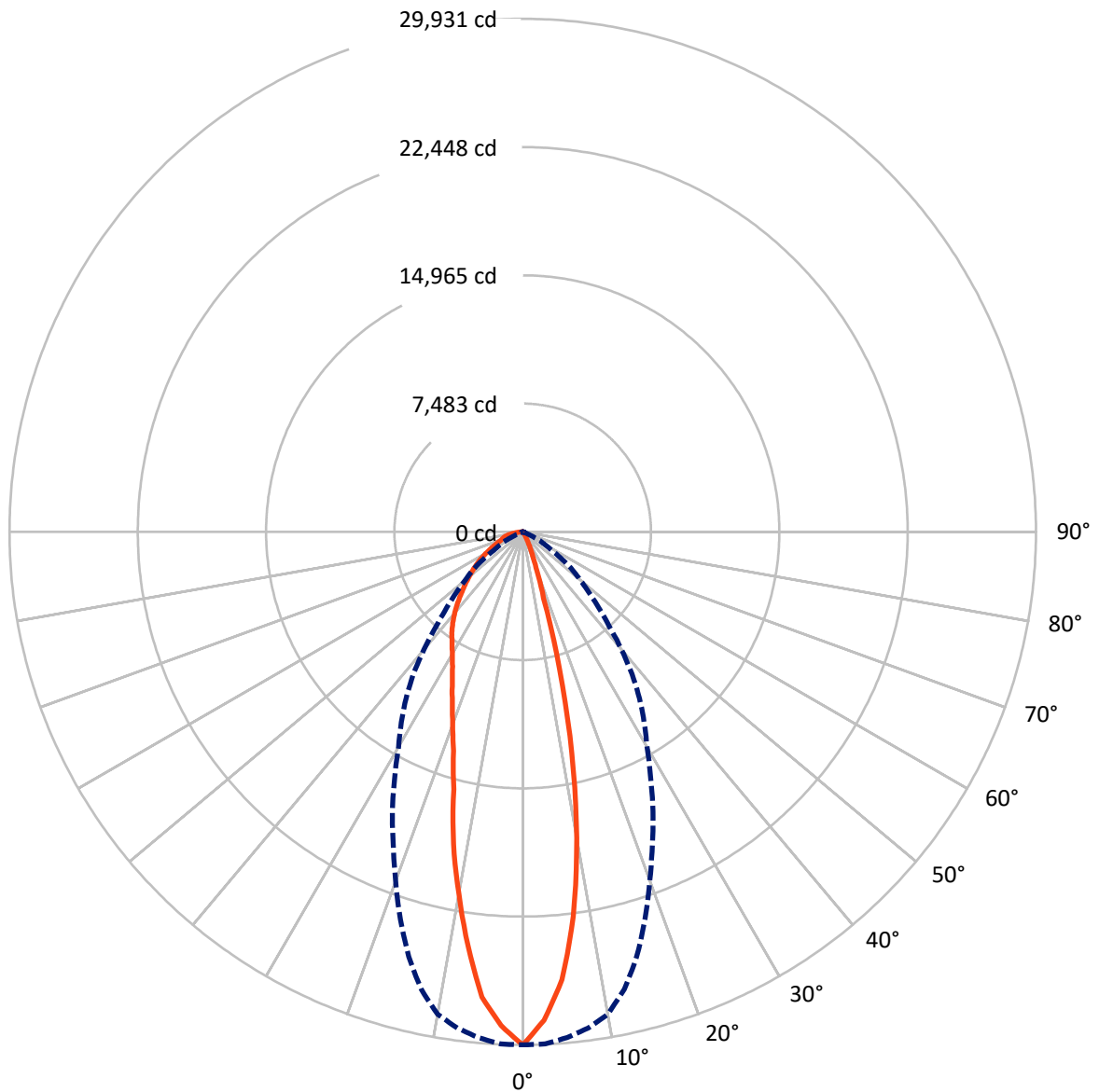
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Lumen Table



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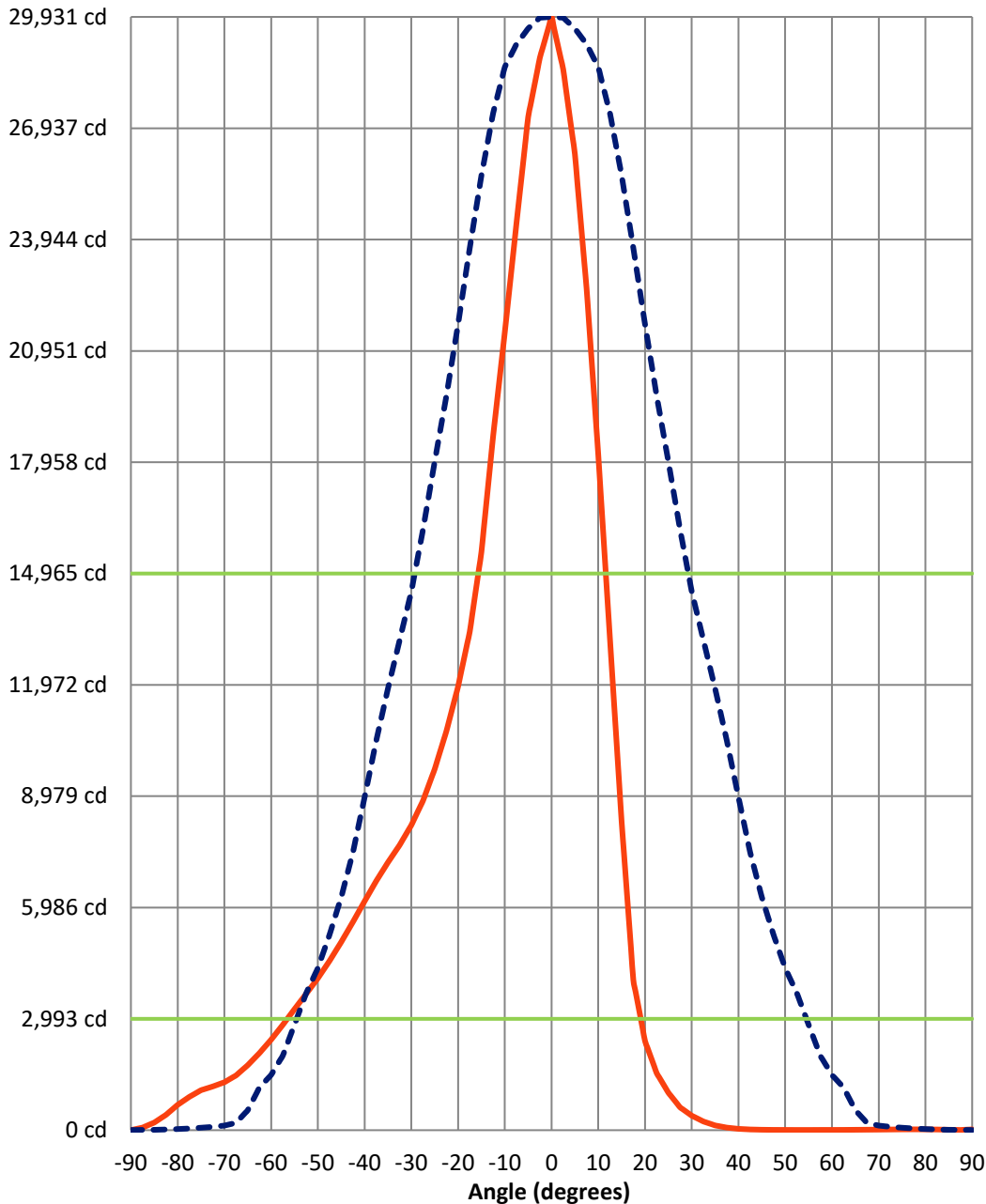
Luminous Intensity Polar Plot



— 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: 8004.1
 Efficiency: 39.7%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 17722.9
 Efficiency: 88.0%

Spill:
 Lumens: 2416.3
 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°	4.4	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	4.9	5.2	5.6	6.1	6.6	6.8	6.8	6.8	6.7
85°	4.4	4.8	5.3	6.0	6.8	7.8	8.9	9.1	9.2	9.2	9.0
82.5°	4.4	5.0	5.8	6.8	8.0	9.5	11.1	11.5	11.7	12.6	14.1
80°	4.4	5.1	6.3	7.6	9.2	11.1	13.2	13.7	15.1	17.5	20.8
77.5°	4.4	5.3	6.7	8.4	10.4	12.4	14.2	15.8	18.4	22.2	26.1
75°	4.4	5.5	7.2	9.2	11.4	12.9	15.1	17.7	21.3	24.4	27.7
72.5°	4.4	5.7	7.6	9.9	11.6	13.4	16.0	19.2	22.4	25.7	29.2
70°	4.4	5.8	8.0	10.5	11.7	13.8	16.8	20.0	23.3	26.9	30.2
67.5°	4.4	6.0	8.4	10.4	11.8	14.2	17.4	20.7	24.2	27.7	31.2
65°	4.4	6.2	8.8	10.4	11.9	14.6	18.1	21.4	24.9	28.5	32.4
62.5°	4.4	6.3	9.2	10.3	11.9	15.2	18.7	21.9	25.6	29.4	34.2
60°	4.4	6.5	9.5	10.2	11.9	15.8	19.3	22.4	26.1	30.8	35.9
57.5°	4.4	6.6	9.4	10.0	12.4	16.4	20.0	23.0	27.1	32.0	36.5
55°	4.4	6.8	9.3	9.8	12.9	17.0	20.8	23.7	28.0	32.9	36.7
52.5°	4.4	6.9	9.3	9.6	13.3	17.5	21.6	24.7	28.7	33.0	36.7
50°	4.4	7.0	9.2	9.4	13.8	18.3	22.4	25.8	29.2	32.9	34.9
47.5°	4.4	7.1	9.1	9.3	14.2	19.0	23.2	26.8	29.1	32.8	33.2
45°	4.4	7.2	9.1	9.6	14.6	19.8	24.2	27.9	29.8	31.6	31.6
42.5°	4.4	7.3	9.1	9.9	15.0	20.5	25.1	28.7	30.6	30.5	30.2
40°	4.4	7.4	9.1	10.4	15.5	21.3	26.0	29.5	31.3	29.7	28.9
37.5°	4.4	7.5	9.1	10.9	16.0	22.1	26.8	30.4	31.9	30.5	27.8
35°	4.4	7.5	9.1	11.5	16.6	22.8	27.7	31.3	32.7	31.8	28.0
32.5°	4.4	7.6	9.1	12.1	17.1	23.4	28.5	32.3	33.8	33.8	33.4
30°	4.4	7.6	9.1	12.7	17.7	24.1	29.3	33.3	35.2	36.6	40.3
27.5°	4.4	7.7	9.1	13.3	18.8	24.7	30.0	34.3	37.0	40.0	48.4
25°	4.4	7.7	9.2	13.8	19.9	25.2	30.8	35.4	39.6	45.8	58.6
22.5°	4.4	7.7	9.2	14.4	21.1	26.2	31.6	36.7	42.6	53.1	92.0
20°	4.4	7.8	9.3	15.0	22.3	28.3	32.3	38.0	45.9	61.0	130.0
17.5°	4.4	7.8	9.4	15.5	23.5	30.4	35.1	39.4	49.4	69.3	171.8
15°	4.4	7.8	9.4	16.0	24.6	32.6	39.3	43.4	53.1	77.9	216.2
12.5°	4.4	7.8	9.5	16.5	25.7	34.9	43.8	50.8	61.6	86.7	262.0
10°	4.4	7.7	9.6	17.0	26.8	37.2	48.3	58.4	74.1	107.4	313.3
7.5°	4.4	7.7	9.6	17.4	27.8	39.4	52.9	66.2	86.7	130.1	374.4
5°	4.4	7.7	9.7	17.8	28.8	41.6	57.5	74.0	99.4	153.0	433.1
2.5°	4.4	7.6	9.7	18.2	29.7	43.7	62.0	81.7	111.9	175.4	487.9
0°	4.4	7.6	9.8	18.5	30.5	45.7	66.3	89.2	124.0	196.9	537.3
-2.5°	4.4	7.8	10.6	20.8	35.6	55.6	83.6	117.8	167.4	256.7	597.7
-5°	4.4	7.9	11.3	22.9	40.6	65.2	100.5	145.6	209.6	314.4	651.3
-7.5°	4.4	8.1	12.0	25.0	45.3	74.5	116.7	172.4	250.0	369.4	698.3
-10°	4.4	8.2	12.7	27.0	49.8	83.2	132.0	197.6	288.1	420.9	738.6
-12.5°	4.4	8.3	13.4	28.8	54.0	91.3	146.1	221.0	323.4	466.3	755.0
-15°	4.4	8.4	14.0	30.5	57.8	98.7	158.9	242.1	352.1	493.8	758.6
-17.5°	4.4	8.5	14.6	32.0	61.2	105.3	170.2	260.4	374.1	517.9	758.7
-20°	4.4	8.6	15.1	33.2	64.1	110.9	180.8	276.3	393.4	538.2	755.9



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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	8.7	15.6	34.3	66.5	115.5	191.5	289.9	410.0	554.6	751.0
-25°	4.4	8.8	16.0	35.1	68.3	121.4	200.7	301.1	423.7	567.0	744.3
-27.5°	4.4	8.8	16.3	35.6	69.5	127.1	208.1	309.8	434.4	577.2	754.5
-30°	4.4	8.9	16.6	35.9	70.4	131.6	213.8	315.9	442.9	587.3	760.5
-32.5°	4.4	8.9	16.8	35.9	72.7	134.7	217.6	321.3	448.5	593.6	761.3
-35°	4.4	8.9	17.0	35.6	74.1	136.5	220.7	324.8	450.6	595.8	756.9
-37.5°	4.4	8.8	17.0	35.1	74.7	137.4	222.2	325.8	449.0	594.1	732.1
-40°	4.4	8.8	17.0	34.2	74.4	137.6	221.6	324.2	443.7	588.6	706.3
-42.5°	4.4	8.7	16.9	33.3	73.9	136.5	219.0	320.1	437.8	564.7	676.8
-45°	4.4	8.7	16.8	32.8	73.2	134.0	214.4	313.9	430.0	536.2	643.9
-47.5°	4.4	8.6	16.5	31.8	71.7	130.0	207.7	305.6	418.5	505.2	608.9
-50°	4.4	8.5	16.2	31.5	69.5	124.7	200.3	294.6	393.7	476.6	571.1
-52.5°	4.4	8.3	15.8	31.2	66.5	118.0	191.3	281.0	367.5	445.4	531.1
-55°	4.4	8.2	15.3	30.5	62.8	112.0	180.3	265.0	339.8	411.8	492.3
-57.5°	4.4	8.0	14.8	29.5	58.4	105.3	167.4	248.0	310.6	377.5	450.8
-60°	4.4	7.9	14.2	28.3	53.4	97.5	153.3	225.4	280.5	341.9	407.7
-62.5°	4.4	7.7	13.6	26.7	50.1	88.7	140.7	200.5	252.0	304.6	365.0
-65°	4.4	7.5	13.1	24.8	46.4	78.9	126.8	176.4	222.8	270.5	320.5
-67.5°	4.4	7.3	12.4	22.7	42.1	70.0	111.5	155.4	192.8	236.7	280.4
-70°	4.4	7.0	11.8	20.4	37.4	62.2	95.2	133.9	168.6	202.1	242.0
-72.5°	4.4	6.8	11.1	18.7	32.4	53.7	81.9	112.1	144.2	175.1	204.8
-75°	4.4	6.5	10.3	17.0	26.9	44.7	68.4	92.7	119.5	147.9	175.3
-77.5°	4.4	6.3	9.5	15.3	23.3	35.2	54.2	73.6	95.3	119.8	145.5
-80°	4.4	6.0	8.7	13.5	20.0	28.4	39.4	53.9	70.5	89.3	110.3
-82.5°	4.4	5.7	7.9	11.6	16.6	23.0	30.8	37.3	45.1	58.1	72.8
-85°	4.4	5.5	7.1	9.6	13.1	17.5	22.8	27.2	31.9	37.0	42.4
-87.5°	4.4	5.2	6.3	7.7	9.5	11.9	14.7	17.0	19.5	22.2	25.0
-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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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	9.5	10.4	11.2	12.0	13.4	14.7	16.1
87.5°	7.1	7.6	8.2	8.8	8.4	7.9	7.3	6.7	7.2	7.7	8.2
85°	9.9	10.9	12.3	13.4	13.3	13.4	13.6	13.9	14.8	15.6	16.3
82.5°	16.0	17.4	18.4	19.1	20.1	21.3	23.0	25.6	27.0	28.0	28.5
80°	22.8	24.0	25.0	26.8	30.0	33.8	37.8	42.2	43.7	43.8	43.4
77.5°	27.3	29.1	32.1	36.2	41.0	45.8	50.8	56.3	57.8	57.5	56.7
75°	30.3	33.9	38.3	43.8	49.7	55.8	62.1	68.0	69.7	68.0	65.6
72.5°	32.6	37.2	43.2	50.5	57.1	63.3	69.9	76.9	79.3	75.5	70.8
70°	34.2	40.1	47.3	54.9	62.5	69.2	75.4	82.1	86.0	79.5	70.1
67.5°	35.5	42.8	50.6	58.6	65.4	71.8	78.8	81.0	81.9	72.1	62.1
65°	37.5	45.3	52.5	59.4	66.8	68.9	70.4	71.9	70.4	59.2	48.3
62.5°	39.5	45.9	52.8	58.2	59.9	61.0	59.8	56.9	53.0	45.3	36.3
60°	40.1	45.8	50.2	51.9	52.4	50.1	46.7	43.2	39.1	32.7	26.6
57.5°	40.3	43.2	44.9	45.3	43.1	39.5	36.1	31.7	28.2	24.2	19.3
55°	39.3	38.8	39.6	38.2	35.2	31.4	27.4	24.3	20.3	17.9	15.0
52.5°	36.6	35.1	34.4	32.2	28.8	25.3	22.0	19.1	16.7	14.1	12.3
50°	34.2	32.2	29.9	27.2	24.6	22.3	18.6	16.5	14.6	12.6	10.9
47.5°	32.0	29.6	26.1	23.9	23.6	22.2	18.6	15.4	13.7	13.6	12.1
45°	30.0	28.0	24.0	24.4	25.2	25.1	22.6	15.1	16.8	17.2	16.3
42.5°	28.3	27.4	28.5	26.0	30.1	32.3	30.3	25.3	22.5	25.0	26.0
40°	28.5	28.1	37.6	37.4	37.9	43.8	46.7	43.1	33.2	39.3	42.1
37.5°	29.6	39.5	51.3	55.2	51.8	61.8	67.9	72.1	64.3	59.3	68.0
35°	31.4	53.7	71.3	79.6	80.1	85.8	101.6	108.1	103.0	95.1	102.1
32.5°	41.1	70.7	95.0	109.0	121.9	127.9	141.9	148.6	154.3	154.4	151.3
30°	61.5	93.2	122.5	141.7	172.7	200.8	194.7	196.2	217.0	238.1	248.4
27.5°	96.4	121.1	153.2	187.7	235.1	289.9	299.7	271.9	300.2	339.3	374.0
25°	140.2	205.3	185.9	242.7	321.5	397.5	438.0	457.2	418.5	475.5	557.6
22.5°	200.9	312.1	313.1	302.6	418.6	524.9	624.5	719.9	769.3	707.4	792.8
20°	282.6	426.3	472.3	523.3	563.9	669.8	841.7	1049.9	1240.6	1348.5	1299.1
17.5°	376.5	550.9	656.5	793.2	928.2	986.0	1095.5	1436.5	1806.7	2121.8	2291.2
15°	479.9	684.1	855.8	1090.8	1333.6	1516.7	1706.3	1999.3	2488.0	3027.2	3458.8
12.5°	589.8	823.6	1066.3	1409.8	1770.6	2071.5	2409.8	2855.3	3419.1	4091.6	4794.6
10°	703.0	966.9	1284.0	1743.1	2229.7	2643.0	3127.0	3711.4	4431.3	5269.2	6152.7
7.5°	823.0	1107.1	1498.6	2082.9	2700.9	3222.4	3848.3	4559.5	5433.0	6429.0	7494.2
5°	939.3	1239.4	1677.5	2356.1	3083.4	3711.5	4505.5	5388.0	6412.2	7557.9	8813.2
2.5°	1047.6	1366.0	1846.9	2606.1	3393.7	4045.9	4895.9	5844.8	7000.2	8351.0	9802.9
0°	1145.2	1485.6	2004.4	2836.4	3680.4	4356.9	5254.1	6263.4	7467.4	8949.8	10475.7
-2.5°	1187.5	1548.0	2075.4	2870.7	3673.3	4362.5	5225.8	6255.5	7416.6	8829.9	10326.6
-5°	1217.4	1600.7	2131.3	2883.1	3642.4	4342.2	5165.6	6200.2	7255.1	8512.3	9853.1
-7.5°	1236.3	1642.6	2171.7	2862.0	3541.8	4182.7	4899.0	5780.3	6742.1	7861.1	9041.7
-10°	1240.3	1638.1	2111.1	2724.2	3346.4	3934.0	4572.4	5337.7	6197.7	7176.3	8202.7
-12.5°	1201.8	1592.8	2025.7	2576.6	3144.1	3675.7	4234.7	4884.9	5630.3	6471.5	7380.1
-15°	1160.0	1541.4	1933.8	2422.8	2939.9	3412.2	3891.7	4431.0	5092.3	5858.8	6642.3
-17.5°	1117.0	1485.0	1837.4	2266.1	2738.3	3147.4	3567.2	4079.4	4671.9	5317.8	5955.6
-20°	1074.8	1424.3	1738.3	2109.6	2542.3	2928.7	3338.0	3788.1	4285.6	4811.9	5318.9



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1035.2	1360.1	1646.7	1978.5	2374.0	2744.5	3110.1	3496.7	3908.7	4334.8	4869.9
-25°	1008.6	1298.5	1566.8	1874.4	2215.9	2557.8	2880.3	3212.7	3567.3	4038.7	4534.3
-27.5°	992.2	1246.1	1496.6	1769.8	2064.6	2373.7	2665.6	2958.8	3354.1	3778.3	4216.9
-30°	976.0	1193.9	1423.4	1671.0	1939.4	2207.5	2458.8	2790.0	3158.7	3546.7	3936.8
-32.5°	945.1	1139.2	1356.7	1585.9	1823.0	2055.2	2317.6	2643.3	2981.4	3322.6	3674.6
-35°	906.9	1090.8	1291.3	1499.4	1712.0	1941.6	2207.6	2494.4	2804.9	3122.3	3469.8
-37.5°	873.5	1038.2	1223.5	1417.5	1616.7	1842.9	2087.4	2355.3	2638.4	2935.2	3266.9
-40°	836.5	981.5	1159.3	1341.2	1528.2	1739.6	1969.9	2213.4	2474.0	2757.8	3055.5
-42.5°	796.8	936.5	1093.1	1263.0	1440.7	1634.0	1843.2	2072.1	2315.2	2573.6	2846.3
-45°	759.9	888.1	1025.9	1184.5	1349.0	1524.7	1718.7	1924.2	2154.6	2392.5	2638.2
-47.5°	718.9	837.5	968.0	1100.6	1254.8	1416.8	1588.7	1783.2	1986.7	2207.6	2434.5
-50°	674.7	787.3	902.2	1023.6	1158.3	1306.5	1463.6	1638.5	1826.9	2019.8	2223.8
-52.5°	629.3	732.7	836.7	944.8	1065.1	1196.7	1339.5	1494.4	1663.9	1840.8	2016.9
-55°	580.8	676.4	768.8	867.2	972.0	1089.2	1215.4	1353.5	1495.7	1656.8	1811.9
-57.5°	531.9	616.0	700.1	789.3	882.8	980.9	1095.9	1212.8	1341.0	1473.6	1602.7
-60°	481.3	554.6	629.5	710.1	794.5	883.4	977.0	1081.3	1189.9	1297.1	1411.0
-62.5°	428.7	493.4	559.3	628.4	704.2	784.3	867.9	955.0	1044.5	1137.7	1229.7
-65°	378.0	432.9	490.4	550.8	611.6	685.0	759.0	832.2	910.5	986.0	1059.7
-67.5°	326.4	378.4	426.7	473.9	530.0	593.0	651.1	717.4	783.0	845.1	905.1
-70°	283.6	325.3	369.6	412.3	456.5	510.1	567.1	619.8	669.5	721.6	777.8
-72.5°	242.5	282.6	319.8	353.9	398.6	448.7	495.5	539.0	586.4	635.8	681.4
-75°	204.8	239.8	276.0	309.6	346.8	390.6	437.7	482.1	522.3	562.3	603.8
-77.5°	168.5	194.8	225.3	259.7	296.6	330.7	367.9	408.1	445.7	483.9	524.3
-80°	129.3	148.1	168.8	192.7	220.1	250.2	282.4	316.7	346.8	374.5	401.8
-82.5°	87.0	101.3	115.8	130.4	145.8	161.9	179.8	201.7	221.2	240.7	260.6
-85°	48.1	54.2	64.1	74.1	82.7	91.7	101.2	111.1	120.4	129.5	138.3
-87.5°	28.1	31.2	34.5	38.0	40.3	42.5	44.6	46.6	49.2	51.8	54.2
-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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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	17.4	17.7	18.0	18.2	18.5	19.3	20.2	21.0	21.8	21.5	21.3
87.5°	8.8	8.7	8.5	8.4	8.2	9.0	9.9	10.8	11.7	10.7	9.7
85°	16.8	16.8	16.8	16.8	16.7	17.8	18.9	20.0	21.1	19.5	17.7
82.5°	28.7	28.2	27.2	25.9	24.1	23.8	23.3	22.7	21.8	20.9	20.1
80°	42.6	40.6	37.9	34.9	31.4	29.6	27.9	25.9	23.8	23.2	22.7
77.5°	54.9	51.2	46.7	41.8	36.6	33.5	30.8	28.1	25.2	24.6	24.4
75°	62.8	58.0	51.4	44.6	37.6	33.2	30.0	26.9	23.8	22.9	22.5
72.5°	65.2	58.5	50.8	42.3	34.1	28.9	25.9	23.3	20.9	19.9	19.5
70°	61.0	52.1	43.6	35.4	27.9	23.1	21.0	19.2	17.6	16.9	16.7
67.5°	51.5	42.2	34.3	27.4	21.9	18.4	17.2	16.1	15.1	14.5	14.1
65°	39.2	31.8	26.1	21.5	18.0	15.8	14.8	13.9	13.1	12.4	11.9
62.5°	28.7	23.4	20.0	17.4	15.4	13.9	13.0	12.3	11.6	11.1	10.7
60°	21.7	18.0	15.9	14.3	13.0	12.1	11.5	11.0	10.5	10.1	9.6
57.5°	16.6	14.4	12.8	12.0	11.4	11.0	10.6	10.0	9.5	9.0	8.6
55°	13.1	12.0	11.1	10.8	10.6	10.2	9.7	9.3	8.7	8.0	7.6
52.5°	11.0	10.9	10.9	10.7	10.4	10.1	9.7	9.1	8.4	7.7	7.3
50°	10.9	11.0	11.0	10.8	10.5	10.2	9.8	9.4	8.9	8.5	8.2
47.5°	11.3	11.5	12.1	11.1	10.9	11.2	11.0	10.6	10.4	10.2	9.9
45°	13.3	15.6	16.2	15.3	13.4	15.0	14.5	12.8	13.8	13.6	12.8
42.5°	23.7	26.1	28.0	26.8	22.9	24.2	24.2	21.6	22.3	22.4	21.4
40°	45.1	44.2	47.3	46.1	41.9	40.4	42.1	39.2	38.6	40.1	38.3
37.5°	74.2	74.7	73.3	73.5	72.0	68.0	70.4	69.6	67.1	71.8	72.3
35°	116.1	119.7	108.3	112.8	114.7	110.4	113.1	121.0	115.9	126.9	129.9
32.5°	172.1	179.5	174.2	169.0	177.6	184.4	187.6	204.4	208.8	218.8	230.5
30°	241.1	260.5	275.9	266.3	265.2	289.3	303.2	325.8	347.6	360.7	384.7
27.5°	384.8	378.9	415.3	426.1	402.1	440.6	492.8	502.8	569.4	574.8	621.4
25°	608.3	605.2	616.1	668.9	682.4	701.6	791.3	838.6	915.0	956.2	992.0
22.5°	908.2	993.0	1007.4	983.2	1099.2	1175.1	1200.2	1336.4	1398.8	1491.8	1519.8
20°	1283.4	1480.6	1729.7	1733.6	1685.9	1904.5	1995.0	2066.6	2218.9	2325.0	2396.9
17.5°	2267.0	2265.5	2774.3	3055.3	3023.5	3180.9	3626.2	3580.2	3940.0	4158.1	4167.3
15°	3710.6	3979.7	4302.5	4812.3	5246.2	5596.0	6018.9	6571.2	7018.5	7543.9	7942.9
12.5°	5362.1	5892.0	6444.5	7026.1	7707.1	8480.4	9321.5	10057.8	10933.7	11700.2	12492.9
10°	7016.8	7856.1	8635.9	9505.1	10473.0	11503.1	12736.6	13814.3	15110.0	16246.4	16993.4
7.5°	8534.2	9540.9	10595.0	11858.4	13209.3	14502.8	15899.3	17410.9	18926.7	20239.7	21354.7
5°	10017.2	11149.0	12317.3	13708.9	15252.8	16873.6	18601.6	20389.3	21977.7	23473.4	24775.2
2.5°	11180.7	12477.1	13811.8	15385.4	17046.4	18689.0	20418.8	22343.3	24190.6	25939.9	27277.3
0°	11872.1	13172.9	14482.3	16149.6	17973.5	19738.7	21667.0	23716.0	25666.0	27338.7	28578.6
-2.5°	11596.7	12863.6	14186.8	15833.9	17591.2	19235.9	21078.2	23063.1	24951.8	26645.8	27932.7
-5°	10973.9	12110.5	13323.5	14846.5	16490.4	18124.4	19930.6	21818.8	23448.2	24951.9	26105.6
-7.5°	10098.1	11146.8	12278.0	13688.0	15199.7	16626.7	18103.1	19626.4	21109.1	22395.2	23344.4
-10°	9168.0	10117.3	11091.0	12221.8	13510.2	14755.7	16001.4	17390.8	18612.8	19674.5	20457.4
-12.5°	8235.2	9015.1	9783.2	10647.9	11753.4	12874.3	13951.8	15116.9	16090.2	16966.1	17662.5
-15°	7339.9	7947.0	8529.9	9366.8	10340.3	11168.1	11831.1	12886.4	13547.1	14325.7	14812.6
-17.5°	6507.7	6992.5	7700.9	8420.3	9114.8	9795.1	10560.1	11184.9	11833.4	12469.4	12887.8
-20°	5852.9	6452.5	7051.3	7636.3	8233.0	8882.4	9487.9	10078.3	10643.5	11132.3	11467.7



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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°	5426.7	5959.0	6463.0	6989.5	7570.8	8116.1	8627.7	9171.3	9654.6	10019.6	10292.5
-25°	5017.4	5480.4	5970.7	6497.5	6989.3	7448.3	7919.4	8339.1	8751.5	9055.3	9310.7
-27.5°	4648.6	5087.7	5570.9	6037.7	6476.1	6905.1	7305.4	7653.1	7996.6	8239.7	8493.7
-30°	4327.7	4772.5	5211.9	5627.0	6038.7	6427.3	6780.4	7110.4	7398.7	7635.4	7848.3
-32.5°	4085.3	4488.7	4880.0	5268.3	5658.5	6016.7	6325.8	6642.8	6908.1	7135.1	7327.9
-35°	3845.7	4224.9	4586.6	4942.4	5301.6	5647.0	5946.2	6222.3	6483.4	6686.5	6863.2
-37.5°	3612.0	3965.6	4300.3	4620.3	4948.9	5267.4	5540.3	5799.6	6032.9	6220.7	6388.3
-40°	3376.6	3700.5	3999.7	4297.8	4593.1	4860.0	5116.5	5355.4	5555.3	5728.3	5880.9
-42.5°	3133.4	3418.6	3688.4	3961.3	4231.0	4467.1	4693.6	4908.2	5078.3	5231.7	5363.8
-45°	2889.2	3140.2	3387.5	3632.6	3854.5	4072.5	4277.7	4458.9	4612.4	4748.2	4862.8
-47.5°	2654.2	2867.5	3093.7	3317.3	3507.9	3694.5	3874.1	4027.7	4160.9	4279.7	4380.5
-50°	2419.4	2609.7	2807.0	2998.9	3173.7	3337.5	3487.9	3622.1	3743.6	3846.3	3932.8
-52.5°	2186.8	2363.6	2532.3	2688.3	2847.1	2997.7	3137.7	3255.0	3361.4	3456.4	3532.6
-55°	1964.9	2121.2	2278.9	2411.7	2540.2	2665.6	2782.1	2887.0	2983.4	3070.7	3139.0
-57.5°	1741.0	1877.4	2009.2	2128.2	2243.5	2354.1	2448.6	2530.7	2607.7	2678.2	2738.4
-60°	1524.9	1638.5	1749.8	1849.3	1945.2	2037.3	2117.7	2187.7	2249.6	2304.3	2353.7
-62.5°	1322.1	1419.7	1508.4	1588.6	1663.7	1738.8	1807.4	1867.9	1920.4	1965.4	2004.0
-65°	1135.5	1216.3	1287.3	1353.8	1416.1	1479.4	1534.4	1584.1	1628.3	1665.4	1695.2
-67.5°	969.7	1032.9	1092.0	1143.5	1196.5	1250.4	1300.2	1343.6	1381.1	1410.8	1433.9
-70°	829.8	881.0	934.0	985.3	1035.8	1082.1	1125.1	1163.6	1197.9	1223.4	1243.9
-72.5°	723.1	766.2	815.1	866.9	914.8	960.8	1004.6	1045.3	1083.3	1107.6	1126.6
-75°	646.4	691.0	734.7	777.8	820.3	860.7	901.5	943.1	985.1	1009.9	1029.8
-77.5°	561.7	592.9	625.4	660.6	698.1	734.4	769.9	805.0	839.3	856.6	869.7
-80°	430.6	455.6	480.0	504.8	529.7	555.2	581.0	606.5	631.6	643.2	651.9
-82.5°	280.7	297.8	314.1	329.7	344.7	357.5	369.4	380.6	390.8	395.8	399.3
-85°	147.0	154.5	161.7	168.4	174.7	178.6	182.0	184.8	187.2	190.3	193.0
-87.5°	56.6	58.7	60.8	62.8	64.8	65.8	66.6	67.3	68.0	69.0	69.9
-90°	4.4	4.1	3.9	3.6	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°	21.0	20.7	21.3	21.8	21.3	20.7	21.0	21.3	21.5	21.8	21.0
87.5°	8.6	7.6	7.0	6.5	7.0	7.6	8.6	9.7	10.7	11.7	10.8
85°	15.9	14.1	13.0	12.0	13.0	14.1	15.9	17.7	19.5	21.1	20.0
82.5°	19.3	18.5	18.5	18.5	18.5	18.5	19.3	20.1	20.9	21.8	22.7
80°	22.2	21.8	21.8	21.8	21.8	21.8	22.2	22.7	23.2	23.8	25.9
77.5°	24.1	23.9	23.4	22.8	23.4	23.9	24.1	24.4	24.6	25.2	28.1
75°	22.2	21.9	21.8	21.8	21.8	21.9	22.2	22.5	22.9	23.8	26.9
72.5°	19.0	18.6	18.5	18.5	18.5	18.6	19.0	19.5	19.9	20.9	23.3
70°	16.5	16.4	15.8	15.2	15.8	16.4	16.5	16.7	16.9	17.6	19.2
67.5°	13.6	13.3	13.1	13.1	13.1	13.3	13.6	14.1	14.5	15.1	16.1
65°	11.5	11.0	10.9	10.9	10.9	11.0	11.5	11.9	12.4	13.1	13.9
62.5°	10.3	9.9	9.3	8.7	9.3	9.9	10.3	10.7	11.1	11.6	12.3
60°	9.2	8.8	8.2	7.6	8.2	8.8	9.2	9.6	10.1	10.5	11.0
57.5°	8.2	7.8	7.6	7.6	7.6	7.8	8.2	8.6	9.0	9.5	10.0
55°	7.1	6.7	6.5	6.5	6.5	6.7	7.1	7.6	8.0	8.7	9.3
52.5°	7.0	6.6	6.5	6.5	6.5	6.6	7.0	7.3	7.7	8.4	9.1
50°	7.9	7.7	7.6	7.6	7.6	7.7	7.9	8.2	8.5	8.9	9.4
47.5°	9.5	9.0	8.7	8.7	8.7	9.0	9.5	9.9	10.2	10.4	10.6
45°	12.5	12.1	11.9	12.0	11.9	12.1	12.5	12.8	13.6	13.8	12.8
42.5°	21.7	21.1	20.2	19.6	20.2	21.1	21.7	21.4	22.4	22.3	21.6
40°	38.4	37.6	36.3	35.9	36.3	37.6	38.4	38.3	40.1	38.6	39.2
37.5°	73.3	72.8	70.4	69.6	70.4	72.8	73.3	72.3	71.8	67.1	69.6
35°	129.6	130.6	128.4	128.3	128.4	130.6	129.6	129.9	126.9	115.9	121.0
32.5°	234.4	236.9	230.3	233.8	230.3	236.9	234.4	230.5	218.8	208.8	204.4
30°	383.9	392.5	388.7	390.4	388.7	392.5	383.9	384.7	360.7	347.6	325.8
27.5°	625.9	632.3	619.1	614.5	619.1	632.3	625.9	621.4	574.8	569.4	502.8
25°	1012.1	1016.1	1003.2	1008.2	1003.2	1016.1	1012.1	992.0	956.2	915.0	838.6
22.5°	1576.6	1561.4	1547.1	1533.5	1547.1	1561.4	1576.6	1519.8	1491.8	1398.8	1336.4
20°	2463.8	2428.9	2424.3	2398.1	2424.3	2428.9	2463.8	2396.9	2325.0	2218.9	2066.6
17.5°	4389.7	4452.9	4312.6	4041.5	4312.6	4452.9	4389.7	4167.3	4158.1	3940.0	3580.2
15°	8177.8	8474.6	8602.1	8290.7	8602.1	8474.6	8177.8	7942.9	7543.9	7018.5	6571.2
12.5°	12930.4	13139.3	13392.4	13207.7	13392.4	13139.3	12930.4	12492.9	11700.2	10933.7	10057.8
10°	17635.1	17947.9	18331.0	18158.4	18331.0	17947.9	17635.1	16993.4	16246.4	15110.0	13814.3
7.5°	21968.2	22507.2	22843.7	22627.3	22843.7	22507.2	21968.2	21354.7	20239.7	18926.7	17410.9
5°	25666.2	26092.3	26295.2	26239.2	26295.2	26092.3	25666.2	24775.2	23473.4	21977.7	20389.3
2.5°	28037.8	28487.5	28669.3	28518.3	28669.3	28487.5	28037.8	27277.3	25939.9	24190.6	22343.3
0°	29196.9	29618.3	29907.6	29930.5	29907.6	29618.3	29196.9	28578.6	27338.7	25666.0	23716.0
-2.5°	28527.0	28783.2	28921.6	28829.3	28921.6	28783.2	28527.0	27932.7	26645.8	24951.8	23063.1
-5°	26772.7	27043.5	27131.4	27238.7	27131.4	27043.5	26772.7	26105.6	24951.9	23448.2	21818.8
-7.5°	23878.4	24175.6	24394.6	24385.4	24394.6	24175.6	23878.4	23344.4	22395.2	21109.1	19626.4
-10°	21039.6	21260.4	21488.9	21450.5	21488.9	21260.4	21039.6	20457.4	19674.5	18612.8	17390.8
-12.5°	18226.2	18594.5	18684.0	18657.1	18684.0	18594.5	18226.2	17662.5	16966.1	16090.2	15116.9
-15°	15366.9	15639.7	15617.4	15544.9	15617.4	15639.7	15366.9	14812.6	14325.7	13547.1	12886.4
-17.5°	13249.9	13400.4	13457.9	13401.3	13457.9	13400.4	13249.9	12887.8	12469.4	11833.4	11184.9
-20°	11743.6	11859.9	11899.1	11925.4	11899.1	11859.9	11743.6	11467.7	11132.3	10643.5	10078.3



REPORT NUMBER: P701457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10527.6	10646.4	10680.8	10725.8	10680.8	10646.4	10527.6	10292.5	10019.6	9654.6	9171.3
-25°	9507.8	9623.9	9663.1	9707.8	9663.1	9623.9	9507.8	9310.7	9055.3	8751.5	8339.1
-27.5°	8664.0	8777.2	8824.4	8858.4	8824.4	8777.2	8664.0	8493.7	8239.7	7996.6	7653.1
-30°	7999.5	8111.0	8178.5	8200.4	8178.5	8111.0	7999.5	7848.3	7635.4	7398.7	7110.4
-32.5°	7472.3	7569.7	7633.1	7665.3	7633.1	7569.7	7472.3	7327.9	7135.1	6908.1	6642.8
-35°	7002.8	7100.6	7166.4	7199.8	7166.4	7100.6	7002.8	6863.2	6686.5	6483.4	6222.3
-37.5°	6522.6	6629.1	6698.7	6700.6	6698.7	6629.1	6522.6	6388.3	6220.7	6032.9	5799.6
-40°	5992.9	6077.3	6132.6	6154.7	6132.6	6077.3	5992.9	5880.9	5728.3	5555.3	5355.4
-42.5°	5461.5	5533.2	5578.0	5596.7	5578.0	5533.2	5461.5	5363.8	5231.7	5078.3	4908.2
-45°	4954.3	5026.6	5063.9	5058.4	5063.9	5026.6	4954.3	4862.8	4748.2	4612.4	4458.9
-47.5°	4458.0	4514.0	4544.7	4551.6	4544.7	4514.0	4458.0	4380.5	4279.7	4160.9	4027.7
-50°	4006.2	4065.6	4091.0	4083.9	4091.0	4065.6	4006.2	3932.8	3846.3	3743.6	3622.1
-52.5°	3595.4	3645.9	3667.9	3665.2	3667.9	3645.9	3595.4	3532.6	3456.4	3361.4	3255.0
-55°	3194.9	3238.5	3255.9	3253.0	3255.9	3238.5	3194.9	3139.0	3070.7	2983.4	2887.0
-57.5°	2788.4	2827.7	2839.4	2832.1	2839.4	2827.7	2788.4	2738.4	2678.2	2607.7	2530.7
-60°	2394.7	2427.1	2437.1	2432.9	2437.1	2427.1	2394.7	2353.7	2304.3	2249.6	2187.7
-62.5°	2036.0	2061.0	2071.2	2071.9	2071.2	2061.0	2036.0	2004.0	1965.4	1920.4	1867.9
-65°	1719.4	1737.9	1746.2	1747.8	1746.2	1737.9	1719.4	1695.2	1665.4	1628.3	1584.1
-67.5°	1452.6	1467.1	1472.1	1472.6	1472.1	1467.1	1452.6	1433.9	1410.8	1381.1	1343.6
-70°	1262.1	1278.3	1285.0	1288.8	1285.0	1278.3	1262.1	1243.9	1223.4	1197.9	1163.6
-72.5°	1144.4	1161.0	1168.8	1174.6	1168.8	1161.0	1144.4	1126.6	1107.6	1083.3	1045.3
-75°	1048.7	1066.3	1071.8	1074.5	1071.8	1066.3	1048.7	1029.8	1009.9	985.1	943.1
-77.5°	881.0	890.5	894.0	895.1	894.0	890.5	881.0	869.7	856.6	839.3	805.0
-80°	658.8	663.8	673.2	680.8	673.2	663.8	658.8	651.9	643.2	631.6	606.5
-82.5°	401.4	402.3	407.8	412.2	407.8	402.3	401.4	399.3	395.8	390.8	380.6
-85°	195.2	196.9	201.5	205.6	201.5	196.9	195.2	193.0	190.3	187.2	184.8
-87.5°	70.8	71.6	71.2	70.7	71.2	71.6	70.8	69.9	69.0	68.0	67.3
-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: P701457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20.2	19.3	18.5	18.2	18.0	17.7	17.4	16.1	14.7	13.4	12.0
87.5°	9.9	9.0	8.2	8.4	8.5	8.7	8.8	8.2	7.7	7.2	6.7
85°	18.9	17.8	16.7	16.8	16.8	16.8	16.8	16.3	15.6	14.8	13.9
82.5°	23.3	23.8	24.1	25.9	27.2	28.2	28.7	28.5	28.0	27.0	25.6
80°	27.9	29.6	31.4	34.9	37.9	40.6	42.6	43.4	43.8	43.7	42.2
77.5°	30.8	33.5	36.6	41.8	46.7	51.2	54.9	56.7	57.5	57.8	56.3
75°	30.0	33.2	37.6	44.6	51.4	58.0	62.8	65.6	68.0	69.7	68.0
72.5°	25.9	28.9	34.1	42.3	50.8	58.5	65.2	70.8	75.5	79.3	76.9
70°	21.0	23.1	27.9	35.4	43.6	52.1	61.0	70.1	79.5	86.0	82.1
67.5°	17.2	18.4	21.9	27.4	34.3	42.2	51.5	62.1	72.1	81.9	81.0
65°	14.8	15.8	18.0	21.5	26.1	31.8	39.2	48.3	59.2	70.4	71.9
62.5°	13.0	13.9	15.4	17.4	20.0	23.4	28.7	36.3	45.3	53.0	56.9
60°	11.5	12.1	13.0	14.3	15.9	18.0	21.7	26.6	32.7	39.1	43.2
57.5°	10.6	11.0	11.4	12.0	12.8	14.4	16.6	19.3	24.2	28.2	31.7
55°	9.7	10.2	10.6	10.8	11.1	12.0	13.1	15.0	17.9	20.3	24.3
52.5°	9.7	10.1	10.4	10.7	10.9	10.9	11.0	12.3	14.1	16.7	19.1
50°	9.8	10.2	10.5	10.8	11.0	11.0	10.9	10.9	12.6	14.6	16.5
47.5°	11.0	11.2	10.9	11.1	12.1	11.5	11.3	12.1	13.6	13.7	15.4
45°	14.5	15.0	13.4	15.3	16.2	15.6	13.3	16.3	17.2	16.8	15.1
42.5°	24.2	24.2	22.9	26.8	28.0	26.1	23.7	26.0	25.0	22.5	25.3
40°	42.1	40.4	41.9	46.1	47.3	44.2	45.1	42.1	39.3	33.2	43.1
37.5°	70.4	68.0	72.0	73.5	73.3	74.7	74.2	68.0	59.3	64.3	72.1
35°	113.1	110.4	114.7	112.8	108.3	119.7	116.1	102.1	95.1	103.0	108.1
32.5°	187.6	184.4	177.6	169.0	174.2	179.5	172.1	151.3	154.4	154.3	148.6
30°	303.2	289.3	265.2	266.3	275.9	260.5	241.1	248.4	238.1	217.0	196.2
27.5°	492.8	440.6	402.1	426.1	415.3	378.9	384.8	374.0	339.3	300.2	271.9
25°	791.3	701.6	682.4	668.9	616.1	605.2	608.3	557.6	475.5	418.5	457.2
22.5°	1200.2	1175.1	1099.2	983.2	1007.4	993.0	908.2	792.8	707.4	769.3	719.9
20°	1995.0	1904.5	1685.9	1733.6	1729.7	1480.6	1283.4	1299.1	1348.5	1240.6	1049.9
17.5°	3626.2	3180.9	3023.5	3055.3	2774.3	2265.5	2267.0	2291.2	2121.8	1806.7	1436.5
15°	6018.9	5596.0	5246.2	4812.3	4302.5	3979.7	3710.6	3458.8	3027.2	2488.0	1999.3
12.5°	9321.5	8480.4	7707.1	7026.1	6444.5	5892.0	5362.1	4794.6	4091.6	3419.1	2855.3
10°	12736.6	11503.1	10473.0	9505.1	8635.9	7856.1	7016.8	6152.7	5269.2	4431.3	3711.4
7.5°	15899.3	14502.8	13209.3	11858.4	10595.0	9540.9	8534.2	7494.2	6429.0	5433.0	4559.5
5°	18601.6	16873.6	15252.8	13708.9	12317.3	11149.0	10017.2	8813.2	7557.9	6412.2	5388.0
2.5°	20418.8	18689.0	17046.4	15385.4	13811.8	12477.1	11180.7	9802.9	8351.0	7000.2	5844.8
0°	21667.0	19738.7	17973.5	16149.6	14482.3	13172.9	11872.1	10475.7	8949.8	7467.4	6263.4
-2.5°	21078.2	19235.9	17591.2	15833.9	14186.8	12863.6	11596.7	10326.6	8829.9	7416.6	6255.5
-5°	19930.6	18124.4	16490.4	14846.5	13323.5	12110.5	10973.9	9853.1	8512.3	7255.1	6200.2
-7.5°	18103.1	16626.7	15199.7	13688.0	12278.0	11146.8	10098.1	9041.7	7861.1	6742.1	5780.3
-10°	16001.4	14755.7	13510.2	12221.8	11091.0	10117.3	9168.0	8202.7	7176.3	6197.7	5337.7
-12.5°	13951.8	12874.3	11753.4	10647.9	9783.2	9015.1	8235.2	7380.1	6471.5	5630.3	4884.9
-15°	11831.1	11168.1	10340.3	9366.8	8529.9	7947.0	7339.9	6642.3	5858.8	5092.3	4431.0
-17.5°	10560.1	9795.1	9114.8	8420.3	7700.9	6992.5	6507.7	5955.6	5317.8	4671.9	4079.4
-20°	9487.9	8882.4	8233.0	7636.3	7051.3	6452.5	5852.9	5318.9	4811.9	4285.6	3788.1



REPORT NUMBER: P701457 (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°	8627.7	8116.1	7570.8	6989.5	6463.0	5959.0	5426.7	4869.9	4334.8	3908.7	3496.7
-25°	7919.4	7448.3	6989.3	6497.5	5970.7	5480.4	5017.4	4534.3	4038.7	3567.3	3212.7
-27.5°	7305.4	6905.1	6476.1	6037.7	5570.9	5087.7	4648.6	4216.9	3778.3	3354.1	2958.8
-30°	6780.4	6427.3	6038.7	5627.0	5211.9	4772.5	4327.7	3936.8	3546.7	3158.7	2790.0
-32.5°	6325.8	6016.7	5658.5	5268.3	4880.0	4488.7	4085.3	3674.6	3322.6	2981.4	2643.3
-35°	5946.2	5647.0	5301.6	4942.4	4586.6	4224.9	3845.7	3469.8	3122.3	2804.9	2494.4
-37.5°	5540.3	5267.4	4948.9	4620.3	4300.3	3965.6	3612.0	3266.9	2935.2	2638.4	2355.3
-40°	5116.5	4860.0	4593.1	4297.8	3999.7	3700.5	3376.6	3055.5	2757.8	2474.0	2213.4
-42.5°	4693.6	4467.1	4231.0	3961.3	3688.4	3418.6	3133.4	2846.3	2573.6	2315.2	2072.1
-45°	4277.7	4072.5	3854.5	3632.6	3387.5	3140.2	2889.2	2638.2	2392.5	2154.6	1924.2
-47.5°	3874.1	3694.5	3507.9	3317.3	3093.7	2867.5	2654.2	2434.5	2207.6	1986.7	1783.2
-50°	3487.9	3337.5	3173.7	2998.9	2807.0	2609.7	2419.4	2223.8	2019.8	1826.9	1638.5
-52.5°	3137.7	2997.7	2847.1	2688.3	2532.3	2363.6	2186.8	2016.9	1840.8	1663.9	1494.4
-55°	2782.1	2665.6	2540.2	2411.7	2278.9	2121.2	1964.9	1811.9	1656.8	1495.7	1353.5
-57.5°	2448.6	2354.1	2243.5	2128.2	2009.2	1877.4	1741.0	1602.7	1473.6	1341.0	1212.8
-60°	2117.7	2037.3	1945.2	1849.3	1749.8	1638.5	1524.9	1411.0	1297.1	1189.9	1081.3
-62.5°	1807.4	1738.8	1663.7	1588.6	1508.4	1419.7	1322.1	1229.7	1137.7	1044.5	955.0
-65°	1534.4	1479.4	1416.1	1353.8	1287.3	1216.3	1135.5	1059.7	986.0	910.5	832.2
-67.5°	1300.2	1250.4	1196.5	1143.5	1092.0	1032.9	969.7	905.1	845.1	783.0	717.4
-70°	1125.1	1082.1	1035.8	985.3	934.0	881.0	829.8	777.8	721.6	669.5	619.8
-72.5°	1004.6	960.8	914.8	866.9	815.1	766.2	723.1	681.4	635.8	586.4	539.0
-75°	901.5	860.7	820.3	777.8	734.7	691.0	646.4	603.8	562.3	522.3	482.1
-77.5°	769.9	734.4	698.1	660.6	625.4	592.9	561.7	524.3	483.9	445.7	408.1
-80°	581.0	555.2	529.7	504.8	480.0	455.6	430.6	401.8	374.5	346.8	316.7
-82.5°	369.4	357.5	344.7	329.7	314.1	297.8	280.7	260.6	240.7	221.2	201.7
-85°	182.0	178.6	174.7	168.4	161.7	154.5	147.0	138.3	129.5	120.4	111.1
-87.5°	66.6	65.8	64.8	62.8	60.8	58.7	56.6	54.2	51.8	49.2	46.6
-90°	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P701457 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.2	10.4	9.5	8.7	8.4	8.2	7.9	7.6	7.3	7.1	6.8
87.5°	7.3	7.9	8.4	8.8	8.2	7.6	7.1	6.7	6.8	6.8	6.8
85°	13.6	13.4	13.3	13.4	12.3	10.9	9.9	9.0	9.2	9.2	9.1
82.5°	23.0	21.3	20.1	19.1	18.4	17.4	16.0	14.1	12.6	11.7	11.5
80°	37.8	33.8	30.0	26.8	25.0	24.0	22.8	20.8	17.5	15.1	13.7
77.5°	50.8	45.8	41.0	36.2	32.1	29.1	27.3	26.1	22.2	18.4	15.8
75°	62.1	55.8	49.7	43.8	38.3	33.9	30.3	27.7	24.4	21.3	17.7
72.5°	69.9	63.3	57.1	50.5	43.2	37.2	32.6	29.2	25.7	22.4	19.2
70°	75.4	69.2	62.5	54.9	47.3	40.1	34.2	30.2	26.9	23.3	20.0
67.5°	78.8	71.8	65.4	58.6	50.6	42.8	35.5	31.2	27.7	24.2	20.7
65°	70.4	68.9	66.8	59.4	52.5	45.3	37.5	32.4	28.5	24.9	21.4
62.5°	59.8	61.0	59.9	58.2	52.8	45.9	39.5	34.2	29.4	25.6	21.9
60°	46.7	50.1	52.4	51.9	50.2	45.8	40.1	35.9	30.8	26.1	22.4
57.5°	36.1	39.5	43.1	45.3	44.9	43.2	40.3	36.5	32.0	27.1	23.0
55°	27.4	31.4	35.2	38.2	39.6	38.8	39.3	36.7	32.9	28.0	23.7
52.5°	22.0	25.3	28.8	32.2	34.4	35.1	36.6	36.7	33.0	28.7	24.7
50°	18.6	22.3	24.6	27.2	29.9	32.2	34.2	34.9	32.9	29.2	25.8
47.5°	18.6	22.2	23.6	23.9	26.1	29.6	32.0	33.2	32.8	29.1	26.8
45°	22.6	25.1	25.2	24.4	24.0	28.0	30.0	31.6	31.6	29.8	27.9
42.5°	30.3	32.3	30.1	26.0	28.5	27.4	28.3	30.2	30.5	30.6	28.7
40°	46.7	43.8	37.9	37.4	37.6	28.1	28.5	28.9	29.7	31.3	29.5
37.5°	67.9	61.8	51.8	55.2	51.3	39.5	29.6	27.8	30.5	31.9	30.4
35°	101.6	85.8	80.1	79.6	71.3	53.7	31.4	28.0	31.8	32.7	31.3
32.5°	141.9	127.9	121.9	109.0	95.0	70.7	41.1	33.4	33.8	33.8	32.3
30°	194.7	200.8	172.7	141.7	122.5	93.2	61.5	40.3	36.6	35.2	33.3
27.5°	299.7	289.9	235.1	187.7	153.2	121.1	96.4	48.4	40.0	37.0	34.3
25°	438.0	397.5	321.5	242.7	185.9	205.3	140.2	58.6	45.8	39.6	35.4
22.5°	624.5	524.9	418.6	302.6	313.1	312.1	200.9	92.0	53.1	42.6	36.7
20°	841.7	669.8	563.9	523.3	472.3	426.3	282.6	130.0	61.0	45.9	38.0
17.5°	1095.5	986.0	928.2	793.2	656.5	550.9	376.5	171.8	69.3	49.4	39.4
15°	1706.3	1516.7	1333.6	1090.8	855.8	684.1	479.9	216.2	77.9	53.1	43.4
12.5°	2409.8	2071.5	1770.6	1409.8	1066.3	823.6	589.8	262.0	86.7	61.6	50.8
10°	3127.0	2643.0	2229.7	1743.1	1284.0	966.9	703.0	313.3	107.4	74.1	58.4
7.5°	3848.3	3222.4	2700.9	2082.9	1498.6	1107.1	823.0	374.4	130.1	86.7	66.2
5°	4505.5	3711.5	3083.4	2356.1	1677.5	1239.4	939.3	433.1	153.0	99.4	74.0
2.5°	4895.9	4045.9	3393.7	2606.1	1846.9	1366.0	1047.6	487.9	175.4	111.9	81.7
0°	5254.1	4356.9	3680.4	2836.4	2004.4	1485.6	1145.2	537.3	196.9	124.0	89.2
-2.5°	5225.8	4362.5	3673.3	2870.7	2075.4	1548.0	1187.5	597.7	256.7	167.4	117.8
-5°	5165.6	4342.2	3642.4	2883.1	2131.3	1600.7	1217.4	651.3	314.4	209.6	145.6
-7.5°	4899.0	4182.7	3541.8	2862.0	2171.7	1642.6	1236.3	698.3	369.4	250.0	172.4
-10°	4572.4	3934.0	3346.4	2724.2	2111.1	1638.1	1240.3	738.6	420.9	288.1	197.6
-12.5°	4234.7	3675.7	3144.1	2576.6	2025.7	1592.8	1201.8	755.0	466.3	323.4	221.0
-15°	3891.7	3412.2	2939.9	2422.8	1933.8	1541.4	1160.0	758.6	493.8	352.1	242.1
-17.5°	3567.2	3147.4	2738.3	2266.1	1837.4	1485.0	1117.0	758.7	517.9	374.1	260.4
-20°	3338.0	2928.7	2542.3	2109.6	1738.3	1424.3	1074.8	755.9	538.2	393.4	276.3



REPORT NUMBER: P701457 (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°	3110.1	2744.5	2374.0	1978.5	1646.7	1360.1	1035.2	751.0	554.6	410.0	289.9
-25°	2880.3	2557.8	2215.9	1874.4	1566.8	1298.5	1008.6	744.3	567.0	423.7	301.1
-27.5°	2665.6	2373.7	2064.6	1769.8	1496.6	1246.1	992.2	754.5	577.2	434.4	309.8
-30°	2458.8	2207.5	1939.4	1671.0	1423.4	1193.9	976.0	760.5	587.3	442.9	315.9
-32.5°	2317.6	2055.2	1823.0	1585.9	1356.7	1139.2	945.1	761.3	593.6	448.5	321.3
-35°	2207.6	1941.6	1712.0	1499.4	1291.3	1090.8	906.9	756.9	595.8	450.6	324.8
-37.5°	2087.4	1842.9	1616.7	1417.5	1223.5	1038.2	873.5	732.1	594.1	449.0	325.8
-40°	1969.9	1739.6	1528.2	1341.2	1159.3	981.5	836.5	706.3	588.6	443.7	324.2
-42.5°	1843.2	1634.0	1440.7	1263.0	1093.1	936.5	796.8	676.8	564.7	437.8	320.1
-45°	1718.7	1524.7	1349.0	1184.5	1025.9	888.1	759.9	643.9	536.2	430.0	313.9
-47.5°	1588.7	1416.8	1254.8	1100.6	968.0	837.5	718.9	608.9	505.2	418.5	305.6
-50°	1463.6	1306.5	1158.3	1023.6	902.2	787.3	674.7	571.1	476.6	393.7	294.6
-52.5°	1339.5	1196.7	1065.1	944.8	836.7	732.7	629.3	531.1	445.4	367.5	281.0
-55°	1215.4	1089.2	972.0	867.2	768.8	676.4	580.8	492.3	411.8	339.8	265.0
-57.5°	1095.9	980.9	882.8	789.3	700.1	616.0	531.9	450.8	377.5	310.6	248.0
-60°	977.0	883.4	794.5	710.1	629.5	554.6	481.3	407.7	341.9	280.5	225.4
-62.5°	867.9	784.3	704.2	628.4	559.3	493.4	428.7	365.0	304.6	252.0	200.5
-65°	759.0	685.0	611.6	550.8	490.4	432.9	378.0	320.5	270.5	222.8	176.4
-67.5°	651.1	593.0	530.0	473.9	426.7	378.4	326.4	280.4	236.7	192.8	155.4
-70°	567.1	510.1	456.5	412.3	369.6	325.3	283.6	242.0	202.1	168.6	133.9
-72.5°	495.5	448.7	398.6	353.9	319.8	282.6	242.5	204.8	175.1	144.2	112.1
-75°	437.7	390.6	346.8	309.6	276.0	239.8	204.8	175.3	147.9	119.5	92.7
-77.5°	367.9	330.7	296.6	259.7	225.3	194.8	168.5	145.5	119.8	95.3	73.6
-80°	282.4	250.2	220.1	192.7	168.8	148.1	129.3	110.3	89.3	70.5	53.9
-82.5°	179.8	161.9	145.8	130.4	115.8	101.3	87.0	72.8	58.1	45.1	37.3
-85°	101.2	91.7	82.7	74.1	64.1	54.2	48.1	42.4	37.0	31.9	27.2
-87.5°	44.6	42.5	40.3	38.0	34.5	31.2	28.1	25.0	22.2	19.5	17.0
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P701457 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.6	6.1	5.6	5.2	4.9	4.6	4.4
85°	8.9	7.8	6.8	6.0	5.3	4.8	4.4
82.5°	11.1	9.5	8.0	6.8	5.8	5.0	4.4
80°	13.2	11.1	9.2	7.6	6.3	5.1	4.4
77.5°	14.2	12.4	10.4	8.4	6.7	5.3	4.4
75°	15.1	12.9	11.4	9.2	7.2	5.5	4.4
72.5°	16.0	13.4	11.6	9.9	7.6	5.7	4.4
70°	16.8	13.8	11.7	10.5	8.0	5.8	4.4
67.5°	17.4	14.2	11.8	10.4	8.4	6.0	4.4
65°	18.1	14.6	11.9	10.4	8.8	6.2	4.4
62.5°	18.7	15.2	11.9	10.3	9.2	6.3	4.4
60°	19.3	15.8	11.9	10.2	9.5	6.5	4.4
57.5°	20.0	16.4	12.4	10.0	9.4	6.6	4.4
55°	20.8	17.0	12.9	9.8	9.3	6.8	4.4
52.5°	21.6	17.5	13.3	9.6	9.3	6.9	4.4
50°	22.4	18.3	13.8	9.4	9.2	7.0	4.4
47.5°	23.2	19.0	14.2	9.3	9.1	7.1	4.4
45°	24.2	19.8	14.6	9.6	9.1	7.2	4.4
42.5°	25.1	20.5	15.0	9.9	9.1	7.3	4.4
40°	26.0	21.3	15.5	10.4	9.1	7.4	4.4
37.5°	26.8	22.1	16.0	10.9	9.1	7.5	4.4
35°	27.7	22.8	16.6	11.5	9.1	7.5	4.4
32.5°	28.5	23.4	17.1	12.1	9.1	7.6	4.4
30°	29.3	24.1	17.7	12.7	9.1	7.6	4.4
27.5°	30.0	24.7	18.8	13.3	9.1	7.7	4.4
25°	30.8	25.2	19.9	13.8	9.2	7.7	4.4
22.5°	31.6	26.2	21.1	14.4	9.2	7.7	4.4
20°	32.3	28.3	22.3	15.0	9.3	7.8	4.4
17.5°	35.1	30.4	23.5	15.5	9.4	7.8	4.4
15°	39.3	32.6	24.6	16.0	9.4	7.8	4.4
12.5°	43.8	34.9	25.7	16.5	9.5	7.8	4.4
10°	48.3	37.2	26.8	17.0	9.6	7.7	4.4
7.5°	52.9	39.4	27.8	17.4	9.6	7.7	4.4
5°	57.5	41.6	28.8	17.8	9.7	7.7	4.4
2.5°	62.0	43.7	29.7	18.2	9.7	7.6	4.4
0°	66.3	45.7	30.5	18.5	9.8	7.6	4.4
-2.5°	83.6	55.6	35.6	20.8	10.6	7.8	4.4
-5°	100.5	65.2	40.6	22.9	11.3	7.9	4.4
-7.5°	116.7	74.5	45.3	25.0	12.0	8.1	4.4
-10°	132.0	83.2	49.8	27.0	12.7	8.2	4.4
-12.5°	146.1	91.3	54.0	28.8	13.4	8.3	4.4
-15°	158.9	98.7	57.8	30.5	14.0	8.4	4.4
-17.5°	170.2	105.3	61.2	32.0	14.6	8.5	4.4
-20°	180.8	110.9	64.1	33.2	15.1	8.6	4.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	191.5	115.5	66.5	34.3	15.6	8.7	4.4
-25°	200.7	121.4	68.3	35.1	16.0	8.8	4.4
-27.5°	208.1	127.1	69.5	35.6	16.3	8.8	4.4
-30°	213.8	131.6	70.4	35.9	16.6	8.9	4.4
-32.5°	217.6	134.7	72.7	35.9	16.8	8.9	4.4
-35°	220.7	136.5	74.1	35.6	17.0	8.9	4.4
-37.5°	222.2	137.4	74.7	35.1	17.0	8.8	4.4
-40°	221.6	137.6	74.4	34.2	17.0	8.8	4.4
-42.5°	219.0	136.5	73.9	33.3	16.9	8.7	4.4
-45°	214.4	134.0	73.2	32.8	16.8	8.7	4.4
-47.5°	207.7	130.0	71.7	31.8	16.5	8.6	4.4
-50°	200.3	124.7	69.5	31.5	16.2	8.5	4.4
-52.5°	191.3	118.0	66.5	31.2	15.8	8.3	4.4
-55°	180.3	112.0	62.8	30.5	15.3	8.2	4.4
-57.5°	167.4	105.3	58.4	29.5	14.8	8.0	4.4
-60°	153.3	97.5	53.4	28.3	14.2	7.9	4.4
-62.5°	140.7	88.7	50.1	26.7	13.6	7.7	4.4
-65°	126.8	78.9	46.4	24.8	13.1	7.5	4.4
-67.5°	111.5	70.0	42.1	22.7	12.4	7.3	4.4
-70°	95.2	62.2	37.4	20.4	11.8	7.0	4.4
-72.5°	81.9	53.7	32.4	18.7	11.1	6.8	4.4
-75°	68.4	44.7	26.9	17.0	10.3	6.5	4.4
-77.5°	54.2	35.2	23.3	15.3	9.5	6.3	4.4
-80°	39.4	28.4	20.0	13.5	8.7	6.0	4.4
-82.5°	30.8	23.0	16.6	11.6	7.9	5.7	4.4
-85°	22.8	17.5	13.1	9.6	7.1	5.5	4.4
-87.5°	14.7	11.9	9.5	7.7	6.3	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

