

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: P701431 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701431 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-44)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

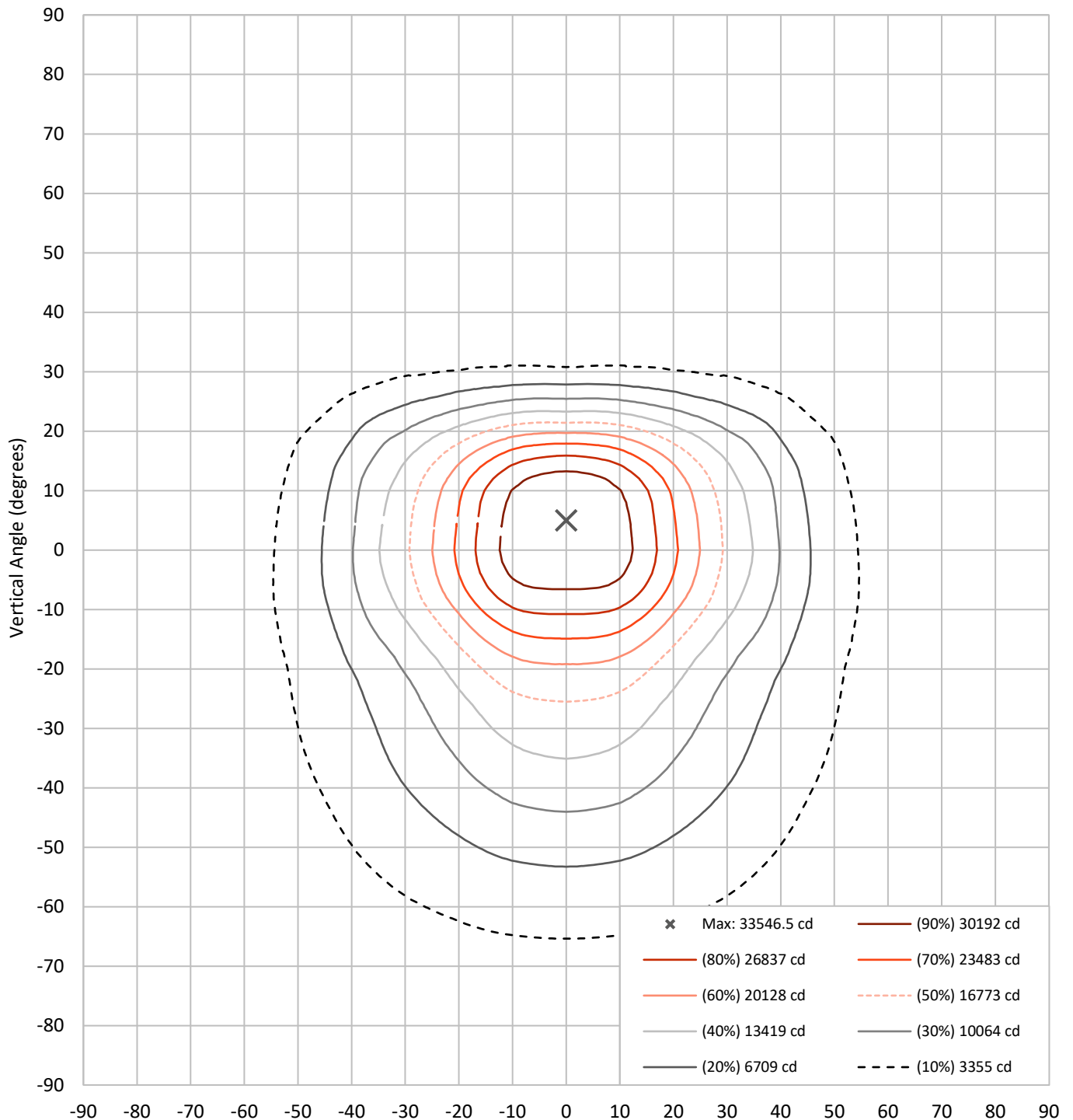
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	32869.8 lumens	Max Intensity:	33546.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	95.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.7°H x 46.8°V	Field Angle (10%):	107.9°H x 96.1°V
Beam Lumens:	15809.7 lumens	Field Lumens:	30471.4 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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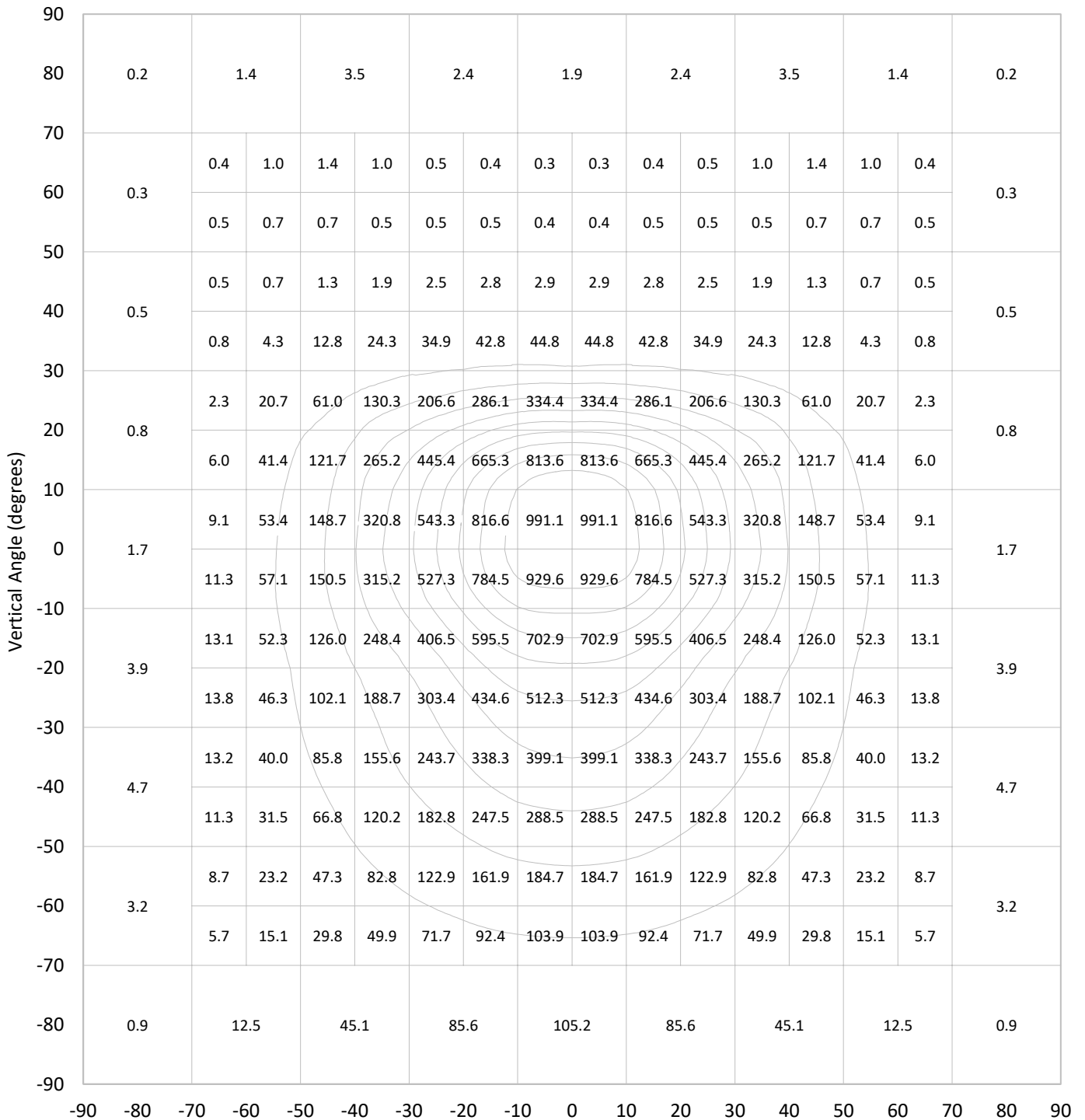
Iso-Candela Plot





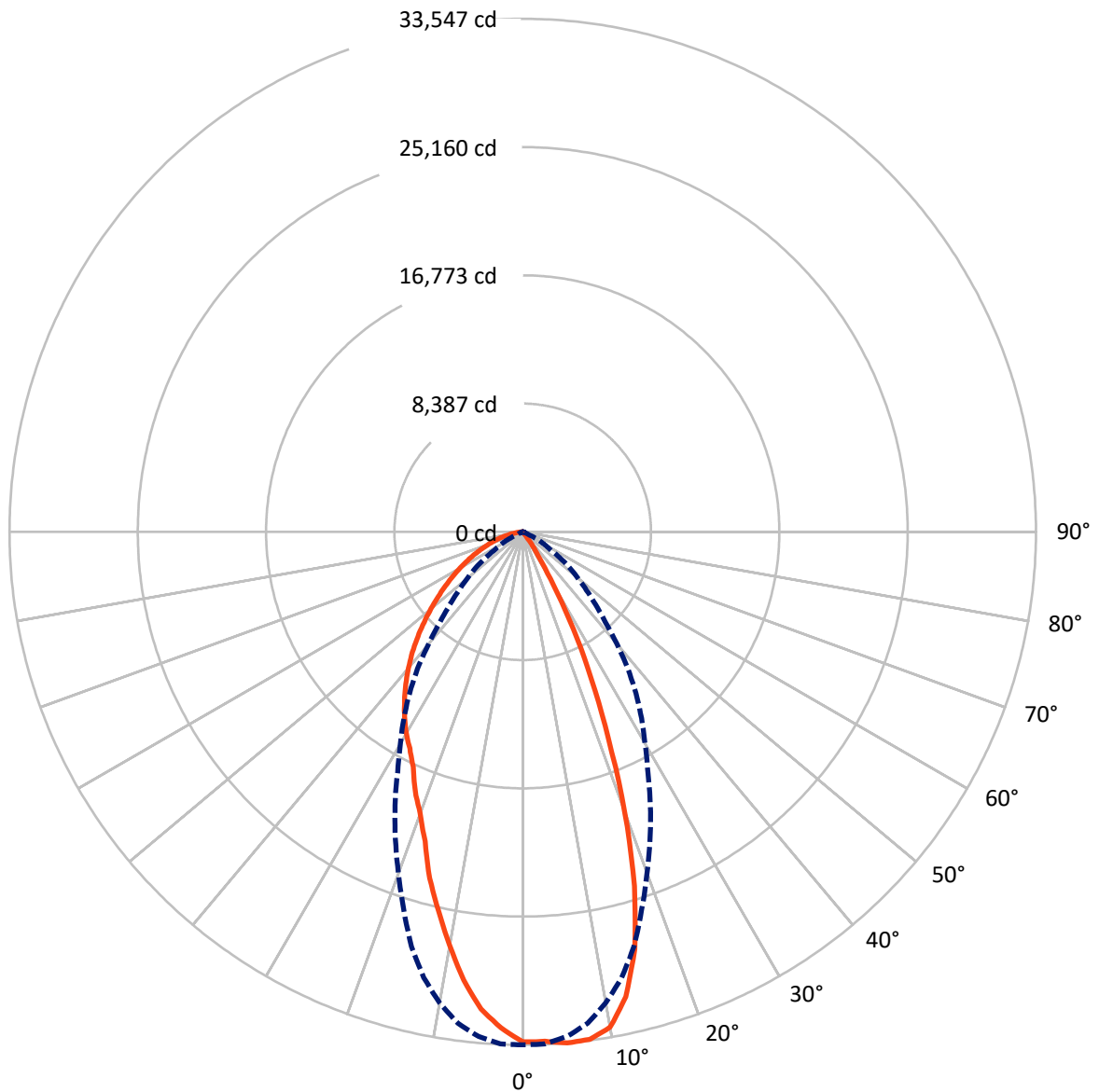
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Lumen Table



REPORT NUMBER: P701431 (CONVERTED FROM TYPE C PHOTOMETRY)
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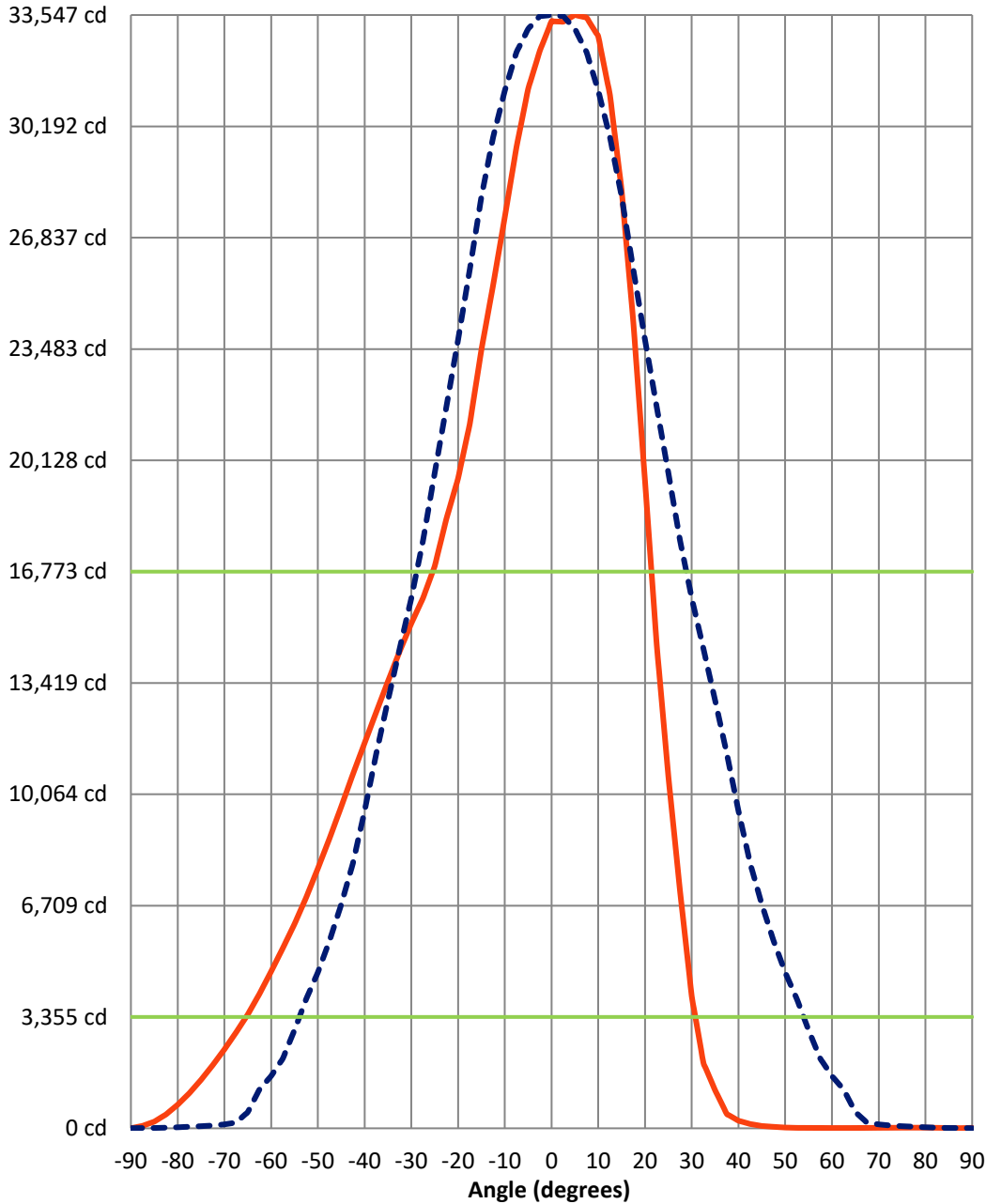
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 15809.7
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 30471.4
 Efficiency: 92.7%

Spill:
 Lumens: 2398.5
 Efficiency: 7.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.6	5.2	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0
87.5°	4.6	5.3	6.1	6.2	6.3	6.6	7.0	6.9	6.8	6.6	6.3
85°	4.6	5.5	6.5	6.9	7.5	8.4	9.3	9.5	9.5	9.4	9.3
82.5°	4.6	5.7	6.9	7.7	8.7	10.1	11.7	12.1	12.3	12.9	14.3
80°	4.6	5.8	7.3	8.4	9.9	11.8	13.8	14.0	15.2	17.3	20.4
77.5°	4.6	6.0	7.7	9.1	11.0	12.9	14.3	15.5	17.9	21.4	25.0
75°	4.6	6.2	8.0	9.8	11.9	13.2	14.8	16.9	20.2	23.0	25.8
72.5°	4.6	6.3	8.4	10.5	12.0	13.3	15.2	17.9	20.7	23.6	26.5
70°	4.6	6.5	8.7	11.0	12.0	13.5	15.6	18.3	21.3	24.2	27.9
67.5°	4.6	6.6	9.1	10.9	12.0	13.6	16.0	18.7	21.7	25.6	29.4
65°	4.6	6.8	9.4	10.8	11.9	13.9	16.5	19.1	22.9	26.9	31.0
62.5°	4.6	6.9	9.7	10.7	11.8	14.4	17.0	19.9	24.0	28.2	33.0
60°	4.6	7.0	10.0	10.5	11.7	14.8	17.4	20.8	25.0	29.7	34.9
57.5°	4.6	7.2	9.9	10.4	12.1	15.3	18.3	21.7	26.1	31.1	35.8
55°	4.6	7.3	9.8	10.2	12.5	15.7	19.2	22.7	27.1	32.2	36.4
52.5°	4.6	7.4	9.7	10.0	12.9	16.2	20.1	23.8	27.9	32.8	37.0
50°	4.6	7.5	9.7	9.8	13.3	17.0	21.0	25.1	28.6	33.4	37.1
47.5°	4.6	7.6	9.6	9.7	13.7	17.7	21.9	26.4	29.2	34.0	37.8
45°	4.6	7.7	9.6	10.0	14.0	18.3	23.2	27.9	30.9	35.2	38.9
42.5°	4.6	7.8	9.6	10.2	14.4	19.0	24.5	29.5	32.8	36.8	40.9
40°	4.6	7.9	9.5	10.6	14.8	19.6	25.9	31.4	35.2	38.9	43.4
37.5°	4.6	7.9	9.5	11.2	15.3	20.2	27.3	33.4	38.3	42.7	46.6
35°	4.6	8.0	9.5	11.7	15.7	21.1	28.8	35.5	41.6	47.3	51.1
32.5°	4.6	8.0	9.6	12.3	16.1	22.3	30.4	37.8	45.1	52.4	59.6
30°	4.6	8.1	9.6	12.9	16.4	23.4	32.2	40.3	48.6	58.1	69.4
27.5°	4.6	8.1	9.6	13.5	17.6	24.5	34.0	43.2	52.7	64.2	80.3
25°	4.6	8.1	9.7	14.1	18.9	25.5	35.8	46.1	57.6	72.4	93.5
22.5°	4.6	8.2	9.7	14.7	20.3	27.1	37.7	49.0	62.7	81.9	137.3
20°	4.6	8.2	9.8	15.3	21.8	30.1	39.5	51.9	68.0	91.9	186.3
17.5°	4.6	8.2	9.9	15.9	23.3	33.0	42.9	54.8	73.3	102.2	239.3
15°	4.6	8.2	9.9	16.5	24.8	36.0	47.2	59.1	78.6	112.7	295.2
12.5°	4.6	8.2	10.0	17.1	26.3	39.0	51.5	65.4	86.9	123.2	352.3
10°	4.6	8.1	10.1	17.6	27.8	42.0	55.7	71.7	97.5	139.3	406.2
7.5°	4.6	8.1	10.1	18.2	29.3	44.9	59.8	77.9	108.1	156.0	450.0
5°	4.6	8.1	10.2	18.7	30.7	47.7	63.8	83.9	118.4	172.3	488.2
2.5°	4.6	8.0	10.2	19.1	32.0	50.4	67.6	89.8	128.5	187.8	520.4
0°	4.6	8.0	10.3	19.5	33.3	52.9	71.3	95.4	138.0	202.4	546.1
-2.5°	4.6	8.1	11.1	21.9	38.7	63.2	89.2	125.4	184.8	270.7	617.4
-5°	4.6	8.3	11.9	24.2	44.0	73.3	106.6	154.7	230.3	336.8	681.7
-7.5°	4.6	8.4	12.6	26.4	49.0	82.8	123.4	182.7	273.7	399.8	739.0
-10°	4.6	8.5	13.4	28.5	53.7	91.9	139.2	209.1	314.3	458.7	789.3
-12.5°	4.6	8.7	14.1	30.4	58.1	100.2	154.0	233.5	351.6	512.6	836.2
-15°	4.6	8.8	14.7	32.2	62.0	107.8	167.5	255.4	386.9	561.3	876.4
-17.5°	4.6	8.8	15.3	33.7	65.5	114.5	179.5	278.9	421.0	604.3	907.5
-20°	4.6	8.9	15.9	35.1	68.6	120.1	192.6	302.9	451.0	641.2	929.2



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	9.0	16.3	36.2	71.0	124.7	208.2	323.7	476.7	671.4	941.1
-25°	4.6	9.0	16.7	37.0	72.9	131.8	221.6	341.2	497.8	694.6	943.2
-27.5°	4.6	9.1	17.1	37.6	74.1	138.9	232.4	355.2	514.0	712.9	965.5
-30°	4.6	9.1	17.4	37.9	75.0	144.4	240.6	365.4	527.8	729.2	979.6
-32.5°	4.6	9.1	17.5	37.9	77.8	148.2	246.1	374.1	538.2	738.9	983.9
-35°	4.6	9.1	17.6	37.6	79.6	150.4	250.0	379.7	543.3	741.8	978.1
-37.5°	4.6	9.0	17.7	37.0	80.5	151.4	251.9	381.2	543.1	737.9	949.2
-40°	4.6	9.0	17.6	36.1	80.3	152.0	251.1	378.5	537.5	731.1	918.7
-42.5°	4.6	8.9	17.4	35.3	79.9	150.9	247.8	371.8	529.0	706.2	882.5
-45°	4.6	8.8	17.2	34.8	79.4	148.1	241.8	362.5	516.3	674.9	841.6
-47.5°	4.6	8.7	16.9	33.9	78.0	143.7	233.2	351.9	497.9	639.2	800.9
-50°	4.6	8.6	16.5	33.6	75.8	137.7	224.6	337.7	467.1	603.4	755.0
-52.5°	4.6	8.5	16.0	33.3	72.8	130.0	214.2	320.1	437.1	563.6	704.8
-55°	4.6	8.4	15.4	32.6	68.9	123.6	201.5	299.6	405.7	520.0	654.2
-57.5°	4.6	8.2	14.7	31.5	64.2	116.4	186.6	279.8	371.3	477.5	599.2
-60°	4.6	8.0	14.0	30.0	58.9	108.0	170.3	254.9	335.3	433.0	542.1
-62.5°	4.6	7.8	13.5	28.3	55.2	98.5	156.6	227.2	301.6	385.2	485.7
-65°	4.6	7.6	12.9	26.2	51.0	88.0	141.5	200.0	265.9	340.9	425.6
-67.5°	4.6	7.4	12.3	23.8	46.2	78.2	124.8	176.4	228.3	295.9	369.5
-70°	4.6	7.2	11.7	21.2	40.9	69.3	106.9	151.7	197.8	248.8	314.0
-72.5°	4.6	7.0	11.0	19.4	35.1	59.7	92.0	126.0	166.1	210.4	258.7
-75°	4.6	6.7	10.3	17.7	29.0	49.5	76.7	103.6	133.4	170.9	212.0
-77.5°	4.6	6.5	9.6	15.9	25.0	38.8	60.7	82.0	105.7	132.3	163.8
-80°	4.6	6.2	8.8	14.0	21.5	31.1	44.0	59.9	77.9	98.3	121.0
-82.5°	4.6	6.0	8.1	12.1	17.8	25.2	34.2	41.2	49.5	63.6	79.3
-85°	4.6	5.7	7.3	10.1	14.0	19.1	25.2	29.9	34.9	40.2	45.8
-87.5°	4.6	5.4	6.5	8.1	10.2	12.9	16.1	18.6	21.2	24.0	27.0
-90°	4.6	5.2	5.7	5.4	5.2	4.9	4.6	4.3	4.0	3.7	3.4



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.0	8.0	8.0	8.0	8.3	8.6	8.9	9.2	9.8	10.4	10.9
87.5°	6.7	7.1	7.6	8.0	7.5	6.8	5.9	5.0	5.3	5.6	5.9
85°	10.0	10.9	11.9	12.7	12.1	11.6	11.2	11.0	11.6	12.1	12.5
82.5°	15.7	16.7	17.2	17.3	17.6	18.2	19.2	21.3	22.6	23.5	23.9
80°	21.9	22.5	23.0	24.5	27.3	30.5	34.1	38.0	39.3	39.4	39.0
77.5°	25.7	27.1	29.8	33.8	38.3	42.8	47.8	53.3	54.9	54.4	53.3
75°	27.9	31.2	35.9	41.7	47.7	53.8	60.4	66.5	68.2	66.3	63.7
72.5°	30.1	35.1	41.3	48.9	55.4	61.7	68.8	76.5	79.2	75.2	70.6
70°	32.2	38.5	45.7	53.1	60.6	67.8	74.6	82.0	86.4	80.3	70.9
67.5°	34.0	41.3	49.0	56.6	63.4	70.4	78.2	81.3	83.3	73.4	62.9
65°	36.2	43.9	50.9	57.7	64.9	67.8	70.3	73.0	72.6	61.3	50.1
62.5°	38.3	44.7	51.3	56.7	58.4	60.2	60.1	58.4	55.7	47.9	38.3
60°	39.1	44.6	49.2	51.0	51.4	49.7	47.6	45.4	42.1	35.6	29.0
57.5°	39.5	42.5	44.6	45.2	43.2	39.9	38.4	35.0	32.1	28.4	22.9
55°	39.3	39.0	40.2	39.1	36.8	34.1	31.4	29.2	25.6	24.5	22.1
52.5°	38.3	36.6	36.0	34.8	33.2	30.5	27.8	26.0	25.2	23.8	21.7
50°	38.0	35.7	32.9	32.8	31.6	29.5	26.7	26.4	26.5	25.2	22.8
47.5°	38.4	35.7	32.3	32.3	32.4	33.2	30.8	29.7	30.1	33.5	29.9
45°	39.7	38.3	34.6	34.5	37.7	42.0	45.8	35.2	45.9	51.2	55.4
42.5°	41.8	42.4	44.3	37.7	49.9	65.3	72.6	76.4	72.5	89.2	106.5
40°	46.4	48.0	60.8	65.9	71.1	102.9	147.0	157.3	119.5	166.2	195.1
37.5°	52.1	68.3	90.7	117.6	115.2	181.6	250.7	303.6	298.4	282.1	404.0
35°	58.6	93.4	153.6	213.7	240.1	303.0	430.4	522.7	577.5	610.7	711.0
32.5°	76.7	123.0	232.2	360.0	470.0	532.4	652.7	854.9	1046.2	1160.5	1159.3
30°	108.4	196.0	343.2	539.5	753.4	928.8	1028.3	1288.2	1652.8	1912.2	2085.0
27.5°	155.3	284.7	514.5	798.9	1098.5	1396.3	1594.8	1932.5	2423.2	2818.5	3187.7
25°	212.5	425.6	707.3	1107.3	1547.8	1926.1	2211.7	2681.1	3302.8	3922.8	4540.5
22.5°	303.7	589.2	921.3	1444.4	2043.8	2473.7	2893.1	3465.2	4184.4	5054.8	5996.7
20°	430.7	779.5	1149.8	1709.0	2539.7	3031.1	3546.1	4228.8	5067.6	6125.5	7383.0
17.5°	568.0	959.3	1374.0	1997.2	2807.8	3488.8	4180.2	4958.3	5898.3	7125.5	8480.1
15°	712.4	1128.3	1574.2	2254.6	3058.7	3794.5	4612.6	5624.6	6733.1	8060.3	9477.3
12.5°	860.4	1286.6	1751.6	2481.3	3298.3	4071.5	4943.9	5996.5	7286.1	8842.8	10330.4
10°	1008.5	1434.1	1907.5	2677.8	3523.0	4319.1	5228.5	6305.4	7617.4	9177.2	10785.0
7.5°	1099.2	1531.4	2034.9	2844.7	3729.1	4536.9	5467.4	6553.6	7847.0	9416.2	11073.2
5°	1167.9	1575.1	2101.2	2958.3	3892.1	4698.3	5653.7	6743.8	7985.2	9561.9	11292.2
2.5°	1221.3	1607.3	2154.1	3042.8	4015.3	4786.0	5764.7	6865.5	8129.2	9742.9	11513.2
0°	1258.9	1629.1	2192.5	3100.8	4107.9	4842.6	5837.1	6938.5	8229.7	9900.2	11709.9
-2.5°	1295.5	1696.5	2270.6	3174.7	4121.3	4851.0	5864.6	6941.5	8229.6	9869.7	11628.3
-5°	1318.5	1752.6	2332.3	3221.3	4107.6	4833.6	5849.4	6899.8	8140.0	9690.7	11326.2
-7.5°	1330.5	1795.5	2376.8	3228.3	4036.6	4731.7	5666.6	6654.0	7843.9	9297.1	10805.0
-10°	1336.8	1821.3	2372.1	3131.1	3889.3	4567.8	5422.5	6368.5	7489.3	8840.7	10235.9
-12.5°	1354.4	1835.3	2350.6	3025.0	3729.3	4382.4	5151.7	6047.5	7078.0	8330.2	9610.3
-15°	1363.9	1842.4	2320.7	2915.5	3561.1	4177.2	4858.7	5694.4	6632.5	7752.6	8888.3
-17.5°	1366.6	1843.7	2284.3	2807.7	3388.8	3953.5	4570.4	5391.7	6245.9	7213.2	8181.8
-20°	1363.6	1840.3	2243.1	2706.2	3219.5	3790.9	4413.7	5130.3	5894.9	6712.8	7519.7



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1356.1	1833.1	2208.3	2634.2	3138.1	3684.4	4257.3	4877.3	5535.3	6245.5	7063.9
-25°	1352.3	1806.7	2185.0	2583.2	3059.4	3572.4	4092.8	4643.7	5217.4	5961.2	6741.7
-27.5°	1346.4	1778.9	2139.4	2512.5	2968.3	3459.2	3947.4	4450.2	5039.1	5707.3	6431.7
-30°	1328.6	1711.7	2077.3	2429.7	2871.9	3344.9	3811.0	4289.1	4846.3	5476.3	6148.3
-32.5°	1278.6	1635.4	1994.9	2348.8	2755.9	3219.6	3670.3	4133.8	4650.7	5215.2	5861.7
-35°	1222.6	1556.7	1902.4	2248.6	2620.4	3067.6	3506.2	3954.1	4434.0	4963.6	5566.3
-37.5°	1181.9	1472.1	1803.3	2135.5	2492.4	2889.7	3319.8	3751.0	4205.3	4710.0	5280.0
-40°	1133.4	1382.0	1702.8	2020.8	2345.7	2712.0	3113.7	3527.6	3954.1	4457.4	4979.8
-42.5°	1079.2	1319.2	1598.7	1899.1	2205.5	2538.5	2897.0	3290.8	3718.7	4186.9	4677.4
-45°	1032.4	1248.7	1494.5	1775.6	2060.2	2361.9	2694.4	3046.5	3469.2	3904.7	4360.2
-47.5°	979.1	1175.0	1406.1	1645.1	1913.2	2191.3	2485.4	2828.4	3203.8	3611.7	4029.5
-50°	921.5	1108.3	1305.4	1527.6	1765.2	2019.8	2288.3	2601.2	2943.9	3308.4	3692.8
-52.5°	863.7	1034.7	1216.1	1409.5	1625.3	1854.1	2102.8	2381.5	2684.8	3004.1	3343.4
-55°	800.2	959.9	1125.0	1300.4	1488.6	1696.2	1918.6	2167.7	2428.5	2718.0	3003.3
-57.5°	735.0	879.4	1031.7	1194.1	1363.3	1539.8	1741.3	1952.3	2187.9	2435.4	2687.2
-60°	666.9	796.3	934.2	1083.6	1240.7	1399.8	1563.0	1750.0	1950.0	2155.6	2380.7
-62.5°	595.4	711.6	835.0	967.4	1111.2	1255.1	1401.5	1556.1	1718.2	1902.9	2090.7
-65°	524.6	624.7	734.5	852.3	975.5	1104.8	1236.0	1368.5	1510.3	1662.4	1820.6
-67.5°	450.0	540.4	634.9	734.9	844.3	954.0	1068.5	1188.3	1308.7	1432.0	1561.9
-70°	382.8	454.5	536.8	624.1	712.5	802.3	901.3	1004.1	1109.1	1214.0	1321.9
-72.5°	315.0	376.7	442.5	512.2	586.4	660.4	737.7	817.9	903.1	991.4	1081.1
-75°	253.5	297.2	351.1	409.2	465.9	521.6	579.6	644.8	712.3	780.4	848.3
-77.5°	196.7	231.4	268.9	309.0	348.4	393.1	439.0	485.8	534.7	584.9	635.7
-80°	142.4	164.4	192.0	221.9	250.5	279.5	309.3	339.7	371.6	406.8	444.7
-82.5°	94.3	110.0	126.5	143.7	159.6	175.4	192.3	213.1	234.0	255.5	277.4
-85°	50.4	55.1	64.8	75.1	85.2	95.4	105.6	115.7	126.1	136.2	146.0
-87.5°	29.3	31.6	34.0	36.4	38.9	41.5	44.0	46.6	50.0	53.5	57.0
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.5	11.8	12.1	12.3	12.6	12.9	13.2	13.5	13.8	14.1	14.4
87.5°	6.3	5.8	5.4	4.9	4.4	5.7	7.1	8.6	10.0	9.3	8.5
85°	12.8	12.8	12.9	12.9	13.0	14.5	16.0	17.4	18.8	17.4	15.8
82.5°	24.1	23.7	22.8	21.6	20.0	19.6	19.1	18.4	17.5	16.7	16.1
80°	38.1	36.2	33.7	30.7	27.4	25.7	24.1	22.3	20.4	19.8	19.4
77.5°	51.3	47.7	43.5	38.9	34.1	31.0	28.2	25.2	22.1	21.2	20.6
75°	60.6	56.1	50.0	43.5	36.7	31.9	28.1	24.4	20.7	19.8	19.6
72.5°	65.4	59.1	51.4	42.3	33.7	28.0	24.4	21.3	18.4	17.4	17.0
70°	61.5	52.0	43.1	34.8	27.1	21.9	19.4	17.2	15.3	14.8	15.0
67.5°	51.9	42.4	34.3	27.1	21.0	16.8	15.3	14.2	13.3	12.9	12.9
65°	40.6	32.5	25.9	20.5	16.1	13.5	13.0	12.5	12.1	11.7	11.3
62.5°	29.9	23.8	19.6	16.5	14.1	12.6	12.2	11.7	11.1	10.5	10.1
60°	23.3	18.5	16.3	15.0	13.8	12.8	12.4	12.1	11.9	11.8	11.4
57.5°	20.3	17.8	15.9	15.1	14.5	14.0	13.7	13.5	13.1	12.6	12.2
55°	19.8	17.9	16.2	15.8	15.5	15.1	14.7	14.3	13.9	13.4	13.2
52.5°	19.8	19.0	17.7	17.1	17.4	16.9	16.0	16.5	16.5	16.1	15.8
50°	22.4	22.6	22.8	20.9	22.9	23.8	22.6	23.6	25.0	25.2	25.1
47.5°	31.7	33.8	36.6	34.4	37.0	40.8	40.5	40.8	44.2	44.7	44.5
45°	50.6	59.7	64.1	66.6	65.6	74.5	76.3	73.4	78.1	79.0	77.6
42.5°	101.3	106.4	117.9	126.9	121.7	130.9	133.6	125.3	133.4	137.1	133.2
40°	227.0	180.5	214.3	237.7	229.5	211.7	242.6	231.5	230.5	243.4	233.3
37.5°	448.2	397.8	432.5	499.2	496.7	412.8	506.4	500.3	420.6	515.1	506.8
35°	803.8	896.9	855.4	980.0	1016.1	1034.9	1086.9	1140.5	1081.7	1159.1	1157.1
32.5°	1439.3	1632.4	1717.8	1733.0	1893.0	2023.3	1968.1	2177.2	2164.5	2216.8	2270.2
30°	2272.2	2702.8	2920.7	2926.2	3191.6	3425.1	3499.2	3761.6	3916.8	3891.0	4151.0
27.5°	3625.3	4048.3	4407.3	4713.5	4920.3	5288.6	5801.2	6059.9	6441.2	6590.7	6950.0
25°	5154.2	5679.8	6246.4	6779.4	7217.0	7876.7	8514.7	8917.0	9462.6	9890.1	10324.6
22.5°	6810.5	7507.7	8234.7	9031.9	9845.9	10650.7	11425.7	12168.9	12896.3	13699.7	14190.9
20°	8503.9	9291.9	10176.8	11257.2	12386.5	13357.1	14415.6	15580.9	16695.1	17732.1	18515.4
17.5°	9790.7	11010.2	11968.8	13137.6	14540.0	15907.3	17256.7	18793.5	20211.0	21533.1	22712.3
15°	10773.3	12051.7	13441.1	14852.0	16329.3	17957.3	19813.4	21495.1	23246.0	24801.1	26257.4
12.5°	11629.9	12927.7	14381.8	16027.2	17890.6	19638.5	21583.7	23686.8	25544.6	27371.4	28737.8
10°	12262.0	13703.7	15177.9	16832.3	18732.5	20773.1	22881.3	25007.2	27090.2	28853.6	30321.6
7.5°	12610.7	14141.9	15684.2	17411.8	19365.5	21372.6	23478.7	25698.3	27795.0	29611.0	30959.2
5°	12894.6	14451.2	15975.7	17710.2	19745.8	21739.6	23757.1	25875.6	28070.9	29862.2	31264.8
2.5°	13142.4	14661.1	16148.2	17837.0	19934.7	21937.4	24011.7	26207.8	28330.8	30058.7	31424.0
0°	13357.4	14791.1	16245.5	17919.5	20113.2	22140.1	24180.9	26329.7	28492.3	30175.5	31557.5
-2.5°	13201.9	14607.6	16040.7	17751.7	19843.8	21837.7	23889.9	26066.0	28114.4	29819.3	31159.1
-5°	12796.2	14150.3	15573.3	17280.3	19277.2	21230.2	23255.2	25351.2	27276.7	28981.2	30213.6
-7.5°	12203.1	13528.7	14946.2	16626.4	18484.7	20257.2	22066.9	24009.8	25926.5	27431.3	28605.2
-10°	11543.8	12805.5	14110.2	15587.9	17233.3	18888.9	20551.8	22357.9	24046.6	25459.7	26589.8
-12.5°	10761.1	11881.8	13083.1	14372.0	15882.5	17459.4	19045.1	20627.2	22184.7	23455.9	24479.5
-15°	9915.6	10906.7	12003.8	13250.5	14596.5	15987.9	17418.3	18929.1	20331.8	21515.9	22418.4
-17.5°	9081.6	9969.1	11084.3	12217.7	13305.4	14581.4	16004.0	17253.3	18533.4	19596.7	20394.0
-20°	8374.6	9329.4	10299.0	11267.5	12306.5	13547.1	14753.2	15931.1	17068.6	18036.8	18829.6



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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°	7913.7	8752.6	9580.0	10496.0	11552.3	12647.0	13738.7	14809.6	15839.1	16758.8	17512.9
-25°	7494.7	8204.5	9023.9	9953.9	10845.9	11806.1	12836.8	13731.9	14708.5	15541.3	16186.5
-27.5°	7128.3	7830.8	8634.9	9471.4	10278.1	11143.6	12082.4	12936.7	13815.5	14616.3	15179.2
-30°	6809.3	7537.0	8293.1	9058.4	9818.1	10618.9	11434.8	12260.5	13066.9	13793.1	14334.1
-32.5°	6537.4	7220.1	7929.2	8641.4	9334.1	10063.5	10820.4	11579.5	12326.5	12961.9	13491.6
-35°	6228.3	6881.9	7540.8	8180.4	8822.0	9474.4	10176.9	10887.5	11555.9	12136.0	12653.1
-37.5°	5883.4	6513.1	7114.4	7696.6	8291.4	8894.7	9545.4	10198.3	10812.2	11337.2	11830.3
-40°	5540.1	6113.9	6658.5	7201.9	7747.2	8312.2	8900.7	9485.2	10024.1	10520.7	10980.2
-42.5°	5183.4	5685.7	6181.4	6687.2	7190.2	7699.7	8225.5	8757.1	9237.3	9690.2	10097.5
-45°	4823.5	5254.6	5692.5	6155.9	6615.1	7072.5	7527.7	7976.4	8426.1	8848.1	9192.2
-47.5°	4440.8	4829.8	5227.4	5625.8	6037.4	6454.9	6852.8	7241.3	7638.4	8015.6	8299.8
-50°	4054.6	4414.7	4774.1	5125.1	5489.0	5856.2	6218.7	6560.6	6893.3	7214.1	7436.3
-52.5°	3665.6	3998.7	4328.0	4645.5	4961.1	5274.1	5581.4	5884.7	6176.2	6451.1	6627.2
-55°	3296.2	3593.3	3882.8	4160.1	4438.7	4713.6	4984.5	5249.8	5501.4	5737.9	5873.7
-57.5°	2948.8	3207.6	3461.1	3699.8	3933.0	4159.5	4399.0	4640.1	4866.6	5069.7	5179.2
-60°	2610.3	2843.3	3060.9	3260.5	3460.5	3659.4	3861.1	4060.3	4254.2	4422.9	4517.2
-62.5°	2277.4	2476.5	2661.7	2833.4	2998.6	3162.9	3337.9	3505.8	3665.6	3795.8	3875.7
-65°	1985.7	2154.4	2293.1	2429.8	2565.5	2710.0	2855.3	2993.9	3125.2	3227.2	3294.5
-67.5°	1702.1	1840.8	1956.3	2069.7	2183.3	2298.2	2415.2	2528.6	2637.5	2720.0	2778.4
-70°	1432.4	1537.3	1627.7	1720.1	1814.2	1908.1	2002.1	2092.6	2179.1	2241.9	2289.0
-72.5°	1171.6	1252.6	1323.0	1394.7	1465.5	1538.2	1611.1	1681.1	1747.7	1792.7	1825.7
-75°	915.8	974.5	1031.0	1085.7	1138.4	1192.5	1246.1	1297.3	1345.8	1379.9	1407.0
-77.5°	689.4	731.2	768.0	804.1	839.2	876.8	913.5	948.2	980.6	1004.3	1024.3
-80°	483.0	509.9	533.4	555.5	576.2	599.4	622.2	643.8	664.0	677.8	688.8
-82.5°	299.7	315.5	329.7	342.6	354.5	366.7	378.0	388.3	397.4	408.3	418.3
-85°	155.5	162.0	168.0	173.6	178.7	183.6	188.1	192.1	195.6	197.6	199.0
-87.5°	60.5	62.0	63.4	64.6	65.8	67.4	68.9	70.3	71.6	72.7	73.8
-90°	3.4	3.1	2.9	2.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3



REPORT NUMBER: P701431 (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°
90°	14.6	14.9	14.9	14.9	14.9	14.9	14.6	14.4	14.1	13.8	13.5
87.5°	7.7	6.9	6.3	5.7	6.3	6.9	7.7	8.5	9.3	10.0	8.6
85°	14.2	12.6	11.4	10.3	11.4	12.6	14.2	15.8	17.4	18.8	17.4
82.5°	15.5	14.9	14.9	14.9	14.9	14.9	15.5	16.1	16.7	17.5	18.4
80°	18.9	18.4	18.9	19.5	18.9	18.4	18.9	19.4	19.8	20.4	22.3
77.5°	20.1	19.5	19.5	19.5	19.5	19.5	20.1	20.6	21.2	22.1	25.2
75°	19.5	19.5	19.0	18.4	19.0	19.5	19.5	19.6	19.8	20.7	24.4
72.5°	16.6	16.2	16.1	16.1	16.1	16.2	16.6	17.0	17.4	18.4	21.3
70°	15.5	16.0	15.5	14.9	15.5	16.0	15.5	15.0	14.8	15.3	17.2
67.5°	12.8	12.7	12.6	12.6	12.6	12.7	12.8	12.9	12.9	13.3	14.2
65°	10.9	10.5	10.3	10.3	10.3	10.5	10.9	11.3	11.7	12.1	12.5
62.5°	9.7	9.3	9.2	9.2	9.2	9.3	9.7	10.1	10.5	11.1	11.7
60°	11.0	10.4	9.8	9.2	9.8	10.4	11.0	11.4	11.8	11.9	12.1
57.5°	11.8	11.5	11.5	11.5	11.5	11.5	11.8	12.2	12.6	13.1	13.5
55°	12.9	12.7	12.6	12.6	12.6	12.7	12.9	13.2	13.4	13.9	14.3
52.5°	15.5	15.0	14.5	13.8	14.5	15.0	15.5	15.8	16.1	16.5	16.5
50°	24.6	23.4	22.8	23.0	22.8	23.4	24.6	25.1	25.2	25.0	23.6
47.5°	45.4	45.4	45.2	44.8	45.2	45.4	45.4	44.5	44.7	44.2	40.8
45°	77.2	74.1	71.2	70.1	71.2	74.1	77.2	77.6	79.0	78.1	73.4
42.5°	135.8	135.1	132.7	129.9	132.7	135.1	135.8	133.2	137.1	133.4	125.3
40°	235.9	232.7	227.2	228.8	227.2	232.7	235.9	233.3	243.4	230.5	231.5
37.5°	491.3	467.8	432.0	432.3	432.0	467.8	491.3	506.8	515.1	420.6	500.3
35°	1150.1	1169.4	1146.5	1146.3	1146.5	1169.4	1150.1	1157.1	1159.1	1081.7	1140.5
32.5°	2200.9	2168.9	2039.3	1971.8	2039.3	2168.9	2200.9	2270.2	2216.8	2164.5	2177.2
30°	4146.4	4166.9	3972.6	3976.9	3972.6	4166.9	4146.4	4151.0	3891.0	3916.8	3761.6
27.5°	7094.9	7252.8	7211.3	7142.0	7211.3	7252.8	7094.9	6950.0	6590.7	6441.2	6059.9
25°	10609.5	10728.4	10648.8	10600.4	10648.8	10728.4	10609.5	10324.6	9890.1	9462.6	8917.0
22.5°	14667.8	14833.3	14791.8	14581.9	14791.8	14833.3	14667.8	14190.9	13699.7	12896.3	12168.9
20°	19160.5	19444.0	19608.8	19502.7	19608.8	19444.0	19160.5	18515.4	17732.1	16695.1	15580.9
17.5°	23549.7	23915.4	24195.8	24290.1	24195.8	23915.4	23549.7	22712.3	21533.1	20211.0	18793.5
15°	27240.5	27763.4	28131.7	28262.4	28131.7	27763.4	27240.5	26257.4	24801.1	23246.0	21495.1
12.5°	29889.3	30569.8	31001.8	31131.5	31001.8	30569.8	29889.3	28737.8	27371.4	25544.6	23686.8
10°	31345.8	32203.7	32695.3	32900.3	32695.3	32203.7	31345.8	30321.6	28853.6	27090.2	25007.2
7.5°	32159.6	32934.4	33398.9	33467.7	33398.9	32934.4	32159.6	30959.2	29611.0	27795.0	25698.3
5°	32423.6	33127.6	33511.0	33546.5	33511.0	33127.6	32423.6	31264.8	29862.2	28070.9	25875.6
2.5°	32539.4	33134.3	33417.0	33344.7	33417.0	33134.3	32539.4	31424.0	30058.7	28330.8	26207.8
0°	32480.1	33011.8	33311.9	33356.8	33311.9	33011.8	32480.1	31557.5	30175.5	28492.3	26329.7
-2.5°	31997.8	32393.8	32606.6	32469.8	32606.6	32393.8	31997.8	31159.1	29819.3	28114.4	26066.0
-5°	30898.1	31182.9	31271.8	31321.8	31271.8	31182.9	30898.1	30213.6	28981.2	27276.7	25351.2
-7.5°	29308.6	29541.1	29628.9	29567.3	29628.9	29541.1	29308.6	28605.2	27431.3	25926.5	24009.8
-10°	27213.6	27426.7	27501.1	27458.7	27501.1	27426.7	27213.6	26589.8	25459.7	24046.6	22357.9
-12.5°	25093.0	25345.5	25403.4	25407.0	25403.4	25345.5	25093.0	24479.5	23455.9	22184.7	20627.2
-15°	23008.3	23296.9	23385.2	23462.3	23385.2	23296.9	23008.3	22418.4	21515.9	20331.8	18929.1
-17.5°	20959.8	21246.6	21321.0	21220.3	21321.0	21246.6	20959.8	20394.0	19596.7	18533.4	17253.3
-20°	19276.0	19424.7	19583.3	19582.0	19583.3	19424.7	19276.0	18829.6	18036.8	17068.6	15931.1



REPORT NUMBER: P701431 (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°	17885.4	18131.1	18266.2	18362.1	18266.2	18131.1	17885.4	17512.9	16758.8	15839.1	14809.6
-25°	16581.0	16789.7	16873.7	16937.6	16873.7	16789.7	16581.0	16186.5	15541.3	14708.5	13731.9
-27.5°	15576.3	15788.0	15907.9	15978.8	15907.9	15788.0	15576.3	15179.2	14616.3	13815.5	12936.7
-30°	14775.0	14983.1	15125.8	15215.4	15125.8	14983.1	14775.0	14334.1	13793.1	13066.9	12260.5
-32.5°	13911.5	14129.1	14277.9	14370.3	14277.9	14129.1	13911.5	13491.6	12961.9	12326.5	11579.5
-35°	13014.2	13232.0	13392.5	13467.8	13392.5	13232.0	13014.2	12653.1	12136.0	11555.9	10887.5
-37.5°	12142.6	12345.8	12487.7	12543.4	12487.7	12345.8	12142.6	11830.3	11337.2	10812.2	10198.3
-40°	11233.9	11425.6	11557.4	11608.7	11557.4	11425.6	11233.9	10980.2	10520.7	10024.1	9485.2
-42.5°	10317.6	10496.5	10618.2	10669.4	10618.2	10496.5	10317.6	10097.5	9690.2	9237.3	8757.1
-45°	9389.5	9548.6	9651.6	9691.0	9651.6	9548.6	9389.5	9192.2	8848.1	8426.1	7976.4
-47.5°	8475.9	8619.5	8708.0	8736.7	8708.0	8619.5	8475.9	8299.8	8015.6	7638.4	7241.3
-50°	7584.2	7701.7	7782.7	7828.4	7782.7	7701.7	7584.2	7436.3	7214.1	6893.3	6560.6
-52.5°	6759.3	6866.1	6929.6	6954.6	6929.6	6866.1	6759.3	6627.2	6451.1	6176.2	5884.7
-55°	5986.3	6078.6	6132.7	6154.4	6132.7	6078.6	5986.3	5873.7	5737.9	5501.4	5249.8
-57.5°	5272.3	5348.0	5399.0	5427.8	5399.0	5348.0	5272.3	5179.2	5069.7	4866.6	4640.1
-60°	4595.5	4657.5	4700.3	4725.3	4700.3	4657.5	4595.5	4517.2	4422.9	4254.2	4060.3
-62.5°	3942.1	3994.8	4029.4	4049.3	4029.4	3994.8	3942.1	3875.7	3795.8	3665.6	3505.8
-65°	3351.3	3397.5	3419.9	3428.5	3419.9	3397.5	3351.3	3294.5	3227.2	3125.2	2993.9
-67.5°	2828.6	2870.2	2885.3	2888.1	2885.3	2870.2	2828.6	2778.4	2720.0	2637.5	2528.6
-70°	2329.7	2363.6	2375.1	2376.5	2375.1	2363.6	2329.7	2289.0	2241.9	2179.1	2092.6
-72.5°	1852.9	1874.3	1890.8	1901.6	1890.8	1874.3	1852.9	1825.7	1792.7	1747.7	1681.1
-75°	1429.8	1448.1	1456.1	1459.0	1456.1	1448.1	1429.8	1407.0	1379.9	1345.8	1297.3
-77.5°	1041.3	1055.2	1058.4	1057.7	1058.4	1055.2	1041.3	1024.3	1004.3	980.6	948.2
-80°	697.5	704.0	708.2	710.5	708.2	704.0	697.5	688.8	677.8	664.0	643.8
-82.5°	427.3	435.2	427.1	417.3	427.1	435.2	427.3	418.3	408.3	397.4	388.3
-85°	199.9	200.3	201.0	201.2	201.0	200.3	199.9	199.0	197.6	195.6	192.1
-87.5°	74.8	75.7	75.2	74.7	75.2	75.7	74.8	73.8	72.7	71.6	70.3
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.2	12.9	12.6	12.3	12.1	11.8	11.5	10.9	10.4	9.8	9.2
87.5°	7.1	5.7	4.4	4.9	5.4	5.8	6.3	5.9	5.6	5.3	5.0
85°	16.0	14.5	13.0	12.9	12.9	12.8	12.8	12.5	12.1	11.6	11.0
82.5°	19.1	19.6	20.0	21.6	22.8	23.7	24.1	23.9	23.5	22.6	21.3
80°	24.1	25.7	27.4	30.7	33.7	36.2	38.1	39.0	39.4	39.3	38.0
77.5°	28.2	31.0	34.1	38.9	43.5	47.7	51.3	53.3	54.4	54.9	53.3
75°	28.1	31.9	36.7	43.5	50.0	56.1	60.6	63.7	66.3	68.2	66.5
72.5°	24.4	28.0	33.7	42.3	51.4	59.1	65.4	70.6	75.2	79.2	76.5
70°	19.4	21.9	27.1	34.8	43.1	52.0	61.5	70.9	80.3	86.4	82.0
67.5°	15.3	16.8	21.0	27.1	34.3	42.4	51.9	62.9	73.4	83.3	81.3
65°	13.0	13.5	16.1	20.5	25.9	32.5	40.6	50.1	61.3	72.6	73.0
62.5°	12.2	12.6	14.1	16.5	19.6	23.8	29.9	38.3	47.9	55.7	58.4
60°	12.4	12.8	13.8	15.0	16.3	18.5	23.3	29.0	35.6	42.1	45.4
57.5°	13.7	14.0	14.5	15.1	15.9	17.8	20.3	22.9	28.4	32.1	35.0
55°	14.7	15.1	15.5	15.8	16.2	17.9	19.8	22.1	24.5	25.6	29.2
52.5°	16.0	16.9	17.4	17.1	17.7	19.0	19.8	21.7	23.8	25.2	26.0
50°	22.6	23.8	22.9	20.9	22.8	22.6	22.4	22.8	25.2	26.5	26.4
47.5°	40.5	40.8	37.0	34.4	36.6	33.8	31.7	29.9	33.5	30.1	29.7
45°	76.3	74.5	65.6	66.6	64.1	59.7	50.6	55.4	51.2	45.9	35.2
42.5°	133.6	130.9	121.7	126.9	117.9	106.4	101.3	106.5	89.2	72.5	76.4
40°	242.6	211.7	229.5	237.7	214.3	180.5	227.0	195.1	166.2	119.5	157.3
37.5°	506.4	412.8	496.7	499.2	432.5	397.8	448.2	404.0	282.1	298.4	303.6
35°	1086.9	1034.9	1016.1	980.0	855.4	896.9	803.8	711.0	610.7	577.5	522.7
32.5°	1968.1	2023.3	1893.0	1733.0	1717.8	1632.4	1439.3	1159.3	1160.5	1046.2	854.9
30°	3499.2	3425.1	3191.6	2926.2	2920.7	2702.8	2272.2	2085.0	1912.2	1652.8	1288.2
27.5°	5801.2	5288.6	4920.3	4713.5	4407.3	4048.3	3625.3	3187.7	2818.5	2423.2	1932.5
25°	8514.7	7876.7	7217.0	6779.4	6246.4	5679.8	5154.2	4540.5	3922.8	3302.8	2681.1
22.5°	11425.7	10650.7	9845.9	9031.9	8234.7	7507.7	6810.5	5996.7	5054.8	4184.4	3465.2
20°	14415.6	13357.1	12386.5	11257.2	10176.8	9291.9	8503.9	7383.0	6125.5	5067.6	4228.8
17.5°	17256.7	15907.3	14540.0	13137.6	11968.8	11010.2	9790.7	8480.1	7125.5	5898.3	4958.3
15°	19813.4	17957.3	16329.3	14852.0	13441.1	12051.7	10773.3	9477.3	8060.3	6733.1	5624.6
12.5°	21583.7	19638.5	17890.6	16027.2	14381.8	12927.7	11629.9	10330.4	8842.8	7286.1	5996.5
10°	22881.3	20773.1	18732.5	16832.3	15177.9	13703.7	12262.0	10785.0	9177.2	7617.4	6305.4
7.5°	23478.7	21372.6	19365.5	17411.8	15684.2	14141.9	12610.7	11073.2	9416.2	7847.0	6553.6
5°	23757.1	21739.6	19745.8	17710.2	15975.7	14451.2	12894.6	11292.2	9561.9	7985.2	6743.8
2.5°	24011.7	21937.4	19934.7	17837.0	16148.2	14661.1	13142.4	11513.2	9742.9	8129.2	6865.5
0°	24180.9	22140.1	20113.2	17919.5	16245.5	14791.1	13357.4	11709.9	9900.2	8229.7	6938.5
-2.5°	23889.9	21837.7	19843.8	17751.7	16040.7	14607.6	13201.9	11628.3	9869.7	8229.6	6941.5
-5°	23255.2	21230.2	19277.2	17280.3	15573.3	14150.3	12796.2	11326.2	9690.7	8140.0	6899.8
-7.5°	22066.9	20257.2	18484.7	16626.4	14946.2	13528.7	12203.1	10805.0	9297.1	7843.9	6654.0
-10°	20551.8	18888.9	17233.3	15587.9	14110.2	12805.5	11543.8	10235.9	8840.7	7489.3	6368.5
-12.5°	19045.1	17459.4	15882.5	14372.0	13083.1	11881.8	10761.1	9610.3	8330.2	7078.0	6047.5
-15°	17418.3	15987.9	14596.5	13250.5	12003.8	10906.7	9915.6	8888.3	7752.6	6632.5	5694.4
-17.5°	16004.0	14581.4	13305.4	12217.7	11084.3	9969.1	9081.6	8181.8	7213.2	6245.9	5391.7
-20°	14753.2	13547.1	12306.5	11267.5	10299.0	9329.4	8374.6	7519.7	6712.8	5894.9	5130.3



REPORT NUMBER: P701431 (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°	13738.7	12647.0	11552.3	10496.0	9580.0	8752.6	7913.7	7063.9	6245.5	5535.3	4877.3
-25°	12836.8	11806.1	10845.9	9953.9	9023.9	8204.5	7494.7	6741.7	5961.2	5217.4	4643.7
-27.5°	12082.4	11143.6	10278.1	9471.4	8634.9	7830.8	7128.3	6431.7	5707.3	5039.1	4450.2
-30°	11434.8	10618.9	9818.1	9058.4	8293.1	7537.0	6809.3	6148.3	5476.3	4846.3	4289.1
-32.5°	10820.4	10063.5	9334.1	8641.4	7929.2	7220.1	6537.4	5861.7	5215.2	4650.7	4133.8
-35°	10176.9	9474.4	8822.0	8180.4	7540.8	6881.9	6228.3	5566.3	4963.6	4434.0	3954.1
-37.5°	9545.4	8894.7	8291.4	7696.6	7114.4	6513.1	5883.4	5280.0	4710.0	4205.3	3751.0
-40°	8900.7	8312.2	7747.2	7201.9	6658.5	6113.9	5540.1	4979.8	4457.4	3954.1	3527.6
-42.5°	8225.5	7699.7	7190.2	6687.2	6181.4	5685.7	5183.4	4677.4	4186.9	3718.7	3290.8
-45°	7527.7	7072.5	6615.1	6155.9	5692.5	5254.6	4823.5	4360.2	3904.7	3469.2	3046.5
-47.5°	6852.8	6454.9	6037.4	5625.8	5227.4	4829.8	4440.8	4029.5	3611.7	3203.8	2828.4
-50°	6218.7	5856.2	5489.0	5125.1	4774.1	4414.7	4054.6	3692.8	3308.4	2943.9	2601.2
-52.5°	5581.4	5274.1	4961.1	4645.5	4328.0	3998.7	3665.6	3343.4	3004.1	2684.8	2381.5
-55°	4984.5	4713.6	4438.7	4160.1	3882.8	3593.3	3296.2	3003.3	2718.0	2428.5	2167.7
-57.5°	4399.0	4159.5	3933.0	3699.8	3461.1	3207.6	2948.8	2687.2	2435.4	2187.9	1952.3
-60°	3861.1	3659.4	3460.5	3260.5	3060.9	2843.3	2610.3	2380.7	2155.6	1950.0	1750.0
-62.5°	3337.9	3162.9	2998.6	2833.4	2661.7	2476.5	2277.4	2090.7	1902.9	1718.2	1556.1
-65°	2855.3	2710.0	2565.5	2429.8	2293.1	2154.4	1985.7	1820.6	1662.4	1510.3	1368.5
-67.5°	2415.2	2298.2	2183.3	2069.7	1956.3	1840.8	1702.1	1561.9	1432.0	1308.7	1188.3
-70°	2002.1	1908.1	1814.2	1720.1	1627.7	1537.3	1432.4	1321.9	1214.0	1109.1	1004.1
-72.5°	1611.1	1538.2	1465.5	1394.7	1323.0	1252.6	1171.6	1081.1	991.4	903.1	817.9
-75°	1246.1	1192.5	1138.4	1085.7	1031.0	974.5	915.8	848.3	780.4	712.3	644.8
-77.5°	913.5	876.8	839.2	804.1	768.0	731.2	689.4	635.7	584.9	534.7	485.8
-80°	622.2	599.4	576.2	555.5	533.4	509.9	483.0	444.7	406.8	371.6	339.7
-82.5°	378.0	366.7	354.5	342.6	329.7	315.5	299.7	277.4	255.5	234.0	213.1
-85°	188.1	183.6	178.7	173.6	168.0	162.0	155.5	146.0	136.2	126.1	115.7
-87.5°	68.9	67.4	65.8	64.6	63.4	62.0	60.5	57.0	53.5	50.0	46.6
-90°	2.3	2.3	2.3	2.6	2.9	3.1	3.4	3.4	3.4	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.9	8.6	8.3	8.0	8.0	8.0	8.0	8.0	7.7	7.5	7.2
87.5°	5.9	6.8	7.5	8.0	7.6	7.1	6.7	6.3	6.6	6.8	6.9
85°	11.2	11.6	12.1	12.7	11.9	10.9	10.0	9.3	9.4	9.5	9.5
82.5°	19.2	18.2	17.6	17.3	17.2	16.7	15.7	14.3	12.9	12.3	12.1
80°	34.1	30.5	27.3	24.5	23.0	22.5	21.9	20.4	17.3	15.2	14.0
77.5°	47.8	42.8	38.3	33.8	29.8	27.1	25.7	25.0	21.4	17.9	15.5
75°	60.4	53.8	47.7	41.7	35.9	31.2	27.9	25.8	23.0	20.2	16.9
72.5°	68.8	61.7	55.4	48.9	41.3	35.1	30.1	26.5	23.6	20.7	17.9
70°	74.6	67.8	60.6	53.1	45.7	38.5	32.2	27.9	24.2	21.3	18.3
67.5°	78.2	70.4	63.4	56.6	49.0	41.3	34.0	29.4	25.6	21.7	18.7
65°	70.3	67.8	64.9	57.7	50.9	43.9	36.2	31.0	26.9	22.9	19.1
62.5°	60.1	60.2	58.4	56.7	51.3	44.7	38.3	33.0	28.2	24.0	19.9
60°	47.6	49.7	51.4	51.0	49.2	44.6	39.1	34.9	29.7	25.0	20.8
57.5°	38.4	39.9	43.2	45.2	44.6	42.5	39.5	35.8	31.1	26.1	21.7
55°	31.4	34.1	36.8	39.1	40.2	39.0	39.3	36.4	32.2	27.1	22.7
52.5°	27.8	30.5	33.2	34.8	36.0	36.6	38.3	37.0	32.8	27.9	23.8
50°	26.7	29.5	31.6	32.8	32.9	35.7	38.0	37.1	33.4	28.6	25.1
47.5°	30.8	33.2	32.4	32.3	32.3	35.7	38.4	37.8	34.0	29.2	26.4
45°	45.8	42.0	37.7	34.5	34.6	38.3	39.7	38.9	35.2	30.9	27.9
42.5°	72.6	65.3	49.9	37.7	44.3	42.4	41.8	40.9	36.8	32.8	29.5
40°	147.0	102.9	71.1	65.9	60.8	48.0	46.4	43.4	38.9	35.2	31.4
37.5°	250.7	181.6	115.2	117.6	90.7	68.3	52.1	46.6	42.7	38.3	33.4
35°	430.4	303.0	240.1	213.7	153.6	93.4	58.6	51.1	47.3	41.6	35.5
32.5°	652.7	532.4	470.0	360.0	232.2	123.0	76.7	59.6	52.4	45.1	37.8
30°	1028.3	928.8	753.4	539.5	343.2	196.0	108.4	69.4	58.1	48.6	40.3
27.5°	1594.8	1396.3	1098.5	798.9	514.5	284.7	155.3	80.3	64.2	52.7	43.2
25°	2211.7	1926.1	1547.8	1107.3	707.3	425.6	212.5	93.5	72.4	57.6	46.1
22.5°	2893.1	2473.7	2043.8	1444.4	921.3	589.2	303.7	137.3	81.9	62.7	49.0
20°	3546.1	3031.1	2539.7	1709.0	1149.8	779.5	430.7	186.3	91.9	68.0	51.9
17.5°	4180.2	3488.8	2807.8	1997.2	1374.0	959.3	568.0	239.3	102.2	73.3	54.8
15°	4612.6	3794.5	3058.7	2254.6	1574.2	1128.3	712.4	295.2	112.7	78.6	59.1
12.5°	4943.9	4071.5	3298.3	2481.3	1751.6	1286.6	860.4	352.3	123.2	86.9	65.4
10°	5228.5	4319.1	3523.0	2677.8	1907.5	1434.1	1008.5	406.2	139.3	97.5	71.7
7.5°	5467.4	4536.9	3729.1	2844.7	2034.9	1531.4	1099.2	450.0	156.0	108.1	77.9
5°	5653.7	4698.3	3892.1	2958.3	2101.2	1575.1	1167.9	488.2	172.3	118.4	83.9
2.5°	5764.7	4786.0	4015.3	3042.8	2154.1	1607.3	1221.3	520.4	187.8	128.5	89.8
0°	5837.1	4842.6	4107.9	3100.8	2192.5	1629.1	1258.9	546.1	202.4	138.0	95.4
-2.5°	5864.6	4851.0	4121.3	3174.7	2270.6	1696.5	1295.5	617.4	270.7	184.8	125.4
-5°	5849.4	4833.6	4107.6	3221.3	2332.3	1752.6	1318.5	681.7	336.8	230.3	154.7
-7.5°	5666.6	4731.7	4036.6	3228.3	2376.8	1795.5	1330.5	739.0	399.8	273.7	182.7
-10°	5422.5	4567.8	3889.3	3131.1	2372.1	1821.3	1336.8	789.3	458.7	314.3	209.1
-12.5°	5151.7	4382.4	3729.3	3025.0	2350.6	1835.3	1354.4	836.2	512.6	351.6	233.5
-15°	4858.7	4177.2	3561.1	2915.5	2320.7	1842.4	1363.9	876.4	561.3	386.9	255.4
-17.5°	4570.4	3953.5	3388.8	2807.7	2284.3	1843.7	1366.6	907.5	604.3	421.0	278.9
-20°	4413.7	3790.9	3219.5	2706.2	2243.1	1840.3	1363.6	929.2	641.2	451.0	302.9



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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°	4257.3	3684.4	3138.1	2634.2	2208.3	1833.1	1356.1	941.1	671.4	476.7	323.7
-25°	4092.8	3572.4	3059.4	2583.2	2185.0	1806.7	1352.3	943.2	694.6	497.8	341.2
-27.5°	3947.4	3459.2	2968.3	2512.5	2139.4	1778.9	1346.4	965.5	712.9	514.0	355.2
-30°	3811.0	3344.9	2871.9	2429.7	2077.3	1711.7	1328.6	979.6	729.2	527.8	365.4
-32.5°	3670.3	3219.6	2755.9	2348.8	1994.9	1635.4	1278.6	983.9	738.9	538.2	374.1
-35°	3506.2	3067.6	2620.4	2248.6	1902.4	1556.7	1222.6	978.1	741.8	543.3	379.7
-37.5°	3319.8	2889.7	2492.4	2135.5	1803.3	1472.1	1181.9	949.2	737.9	543.1	381.2
-40°	3113.7	2712.0	2345.7	2020.8	1702.8	1382.0	1133.4	918.7	731.1	537.5	378.5
-42.5°	2897.0	2538.5	2205.5	1899.1	1598.7	1319.2	1079.2	882.5	706.2	529.0	371.8
-45°	2694.4	2361.9	2060.2	1775.6	1494.5	1248.7	1032.4	841.6	674.9	516.3	362.5
-47.5°	2485.4	2191.3	1913.2	1645.1	1406.1	1175.0	979.1	800.9	639.2	497.9	351.9
-50°	2288.3	2019.8	1765.2	1527.6	1305.4	1108.3	921.5	755.0	603.4	467.1	337.7
-52.5°	2102.8	1854.1	1625.3	1409.5	1216.1	1034.7	863.7	704.8	563.6	437.1	320.1
-55°	1918.6	1696.2	1488.6	1300.4	1125.0	959.9	800.2	654.2	520.0	405.7	299.6
-57.5°	1741.3	1539.8	1363.3	1194.1	1031.7	879.4	735.0	599.2	477.5	371.3	279.8
-60°	1563.0	1399.8	1240.7	1083.6	934.2	796.3	666.9	542.1	433.0	335.3	254.9
-62.5°	1401.5	1255.1	1111.2	967.4	835.0	711.6	595.4	485.7	385.2	301.6	227.2
-65°	1236.0	1104.8	975.5	852.3	734.5	624.7	524.6	425.6	340.9	265.9	200.0
-67.5°	1068.5	954.0	844.3	734.9	634.9	540.4	450.0	369.5	295.9	228.3	176.4
-70°	901.3	802.3	712.5	624.1	536.8	454.5	382.8	314.0	248.8	197.8	151.7
-72.5°	737.7	660.4	586.4	512.2	442.5	376.7	315.0	258.7	210.4	166.1	126.0
-75°	579.6	521.6	465.9	409.2	351.1	297.2	253.5	212.0	170.9	133.4	103.6
-77.5°	439.0	393.1	348.4	309.0	268.9	231.4	196.7	163.8	132.3	105.7	82.0
-80°	309.3	279.5	250.5	221.9	192.0	164.4	142.4	121.0	98.3	77.9	59.9
-82.5°	192.3	175.4	159.6	143.7	126.5	110.0	94.3	79.3	63.6	49.5	41.2
-85°	105.6	95.4	85.2	75.1	64.8	55.1	50.4	45.8	40.2	34.9	29.9
-87.5°	44.0	41.5	38.9	36.4	34.0	31.6	29.3	27.0	24.0	21.2	18.6
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.9	6.6	6.3	6.0	5.7	5.2	4.6
87.5°	7.0	6.6	6.3	6.2	6.1	5.3	4.6
85°	9.3	8.4	7.5	6.9	6.5	5.5	4.6
82.5°	11.7	10.1	8.7	7.7	6.9	5.7	4.6
80°	13.8	11.8	9.9	8.4	7.3	5.8	4.6
77.5°	14.3	12.9	11.0	9.1	7.7	6.0	4.6
75°	14.8	13.2	11.9	9.8	8.0	6.2	4.6
72.5°	15.2	13.3	12.0	10.5	8.4	6.3	4.6
70°	15.6	13.5	12.0	11.0	8.7	6.5	4.6
67.5°	16.0	13.6	12.0	10.9	9.1	6.6	4.6
65°	16.5	13.9	11.9	10.8	9.4	6.8	4.6
62.5°	17.0	14.4	11.8	10.7	9.7	6.9	4.6
60°	17.4	14.8	11.7	10.5	10.0	7.0	4.6
57.5°	18.3	15.3	12.1	10.4	9.9	7.2	4.6
55°	19.2	15.7	12.5	10.2	9.8	7.3	4.6
52.5°	20.1	16.2	12.9	10.0	9.7	7.4	4.6
50°	21.0	17.0	13.3	9.8	9.7	7.5	4.6
47.5°	21.9	17.7	13.7	9.7	9.6	7.6	4.6
45°	23.2	18.3	14.0	10.0	9.6	7.7	4.6
42.5°	24.5	19.0	14.4	10.2	9.6	7.8	4.6
40°	25.9	19.6	14.8	10.6	9.5	7.9	4.6
37.5°	27.3	20.2	15.3	11.2	9.5	7.9	4.6
35°	28.8	21.1	15.7	11.7	9.5	8.0	4.6
32.5°	30.4	22.3	16.1	12.3	9.6	8.0	4.6
30°	32.2	23.4	16.4	12.9	9.6	8.1	4.6
27.5°	34.0	24.5	17.6	13.5	9.6	8.1	4.6
25°	35.8	25.5	18.9	14.1	9.7	8.1	4.6
22.5°	37.7	27.1	20.3	14.7	9.7	8.2	4.6
20°	39.5	30.1	21.8	15.3	9.8	8.2	4.6
17.5°	42.9	33.0	23.3	15.9	9.9	8.2	4.6
15°	47.2	36.0	24.8	16.5	9.9	8.2	4.6
12.5°	51.5	39.0	26.3	17.1	10.0	8.2	4.6
10°	55.7	42.0	27.8	17.6	10.1	8.1	4.6
7.5°	59.8	44.9	29.3	18.2	10.1	8.1	4.6
5°	63.8	47.7	30.7	18.7	10.2	8.1	4.6
2.5°	67.6	50.4	32.0	19.1	10.2	8.0	4.6
0°	71.3	52.9	33.3	19.5	10.3	8.0	4.6
-2.5°	89.2	63.2	38.7	21.9	11.1	8.1	4.6
-5°	106.6	73.3	44.0	24.2	11.9	8.3	4.6
-7.5°	123.4	82.8	49.0	26.4	12.6	8.4	4.6
-10°	139.2	91.9	53.7	28.5	13.4	8.5	4.6
-12.5°	154.0	100.2	58.1	30.4	14.1	8.7	4.6
-15°	167.5	107.8	62.0	32.2	14.7	8.8	4.6
-17.5°	179.5	114.5	65.5	33.7	15.3	8.8	4.6
-20°	192.6	120.1	68.6	35.1	15.9	8.9	4.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	208.2	124.7	71.0	36.2	16.3	9.0	4.6
-25°	221.6	131.8	72.9	37.0	16.7	9.0	4.6
-27.5°	232.4	138.9	74.1	37.6	17.1	9.1	4.6
-30°	240.6	144.4	75.0	37.9	17.4	9.1	4.6
-32.5°	246.1	148.2	77.8	37.9	17.5	9.1	4.6
-35°	250.0	150.4	79.6	37.6	17.6	9.1	4.6
-37.5°	251.9	151.4	80.5	37.0	17.7	9.0	4.6
-40°	251.1	152.0	80.3	36.1	17.6	9.0	4.6
-42.5°	247.8	150.9	79.9	35.3	17.4	8.9	4.6
-45°	241.8	148.1	79.4	34.8	17.2	8.8	4.6
-47.5°	233.2	143.7	78.0	33.9	16.9	8.7	4.6
-50°	224.6	137.7	75.8	33.6	16.5	8.6	4.6
-52.5°	214.2	130.0	72.8	33.3	16.0	8.5	4.6
-55°	201.5	123.6	68.9	32.6	15.4	8.4	4.6
-57.5°	186.6	116.4	64.2	31.5	14.7	8.2	4.6
-60°	170.3	108.0	58.9	30.0	14.0	8.0	4.6
-62.5°	156.6	98.5	55.2	28.3	13.5	7.8	4.6
-65°	141.5	88.0	51.0	26.2	12.9	7.6	4.6
-67.5°	124.8	78.2	46.2	23.8	12.3	7.4	4.6
-70°	106.9	69.3	40.9	21.2	11.7	7.2	4.6
-72.5°	92.0	59.7	35.1	19.4	11.0	7.0	4.6
-75°	76.7	49.5	29.0	17.7	10.3	6.7	4.6
-77.5°	60.7	38.8	25.0	15.9	9.6	6.5	4.6
-80°	44.0	31.1	21.5	14.0	8.8	6.2	4.6
-82.5°	34.2	25.2	17.8	12.1	8.1	6.0	4.6
-85°	25.2	19.1	14.0	10.1	7.3	5.7	4.6
-87.5°	16.1	12.9	10.2	8.1	6.5	5.4	4.6
-90°	4.6	4.9	5.2	5.4	5.7	5.2	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

