

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: P701432 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-7F-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701432 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-7F-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

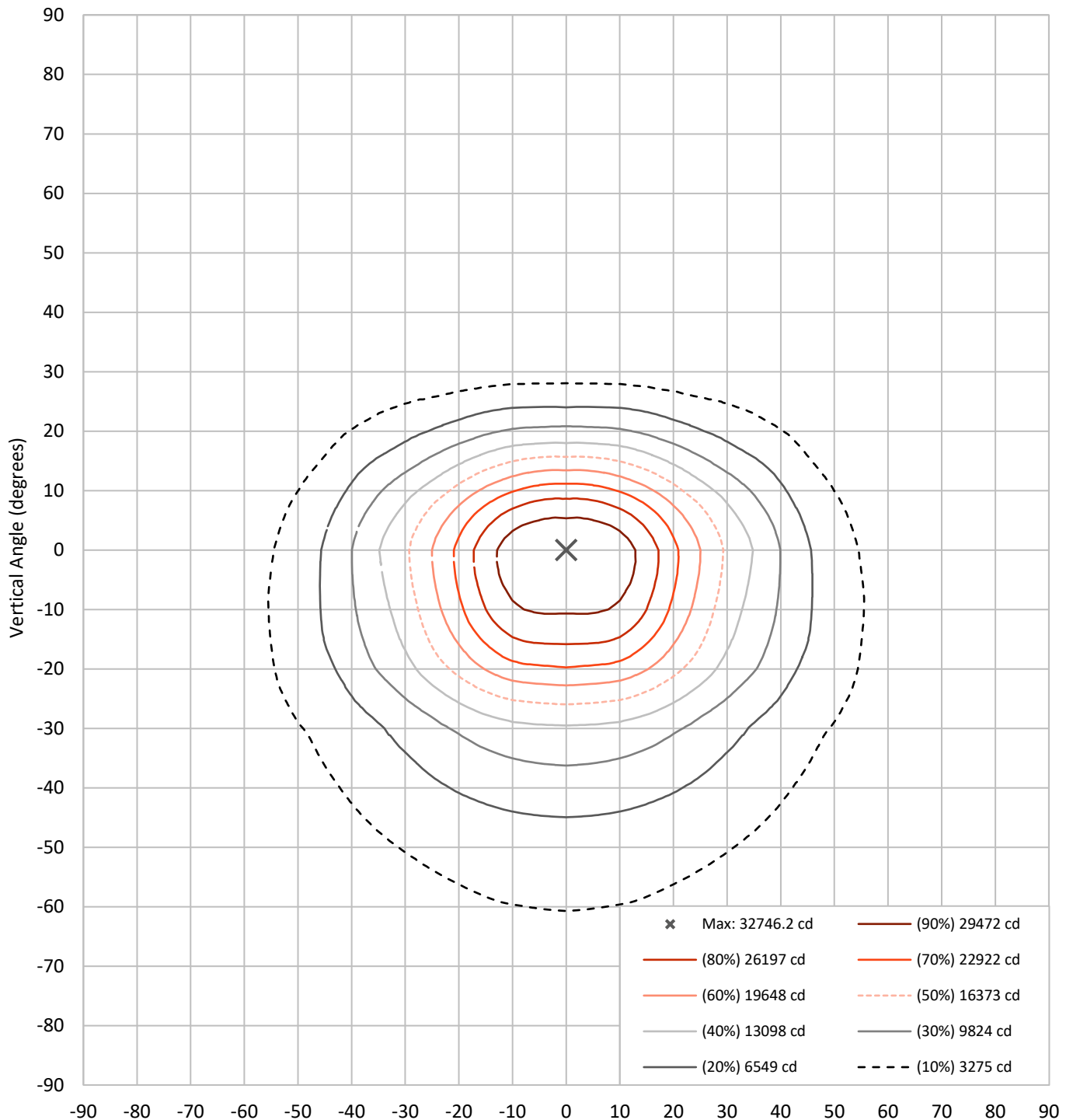
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	28649 lumens	Max Intensity:	32746.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	83.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	13888.8 lumens	Field Lumens:	26020.1 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

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

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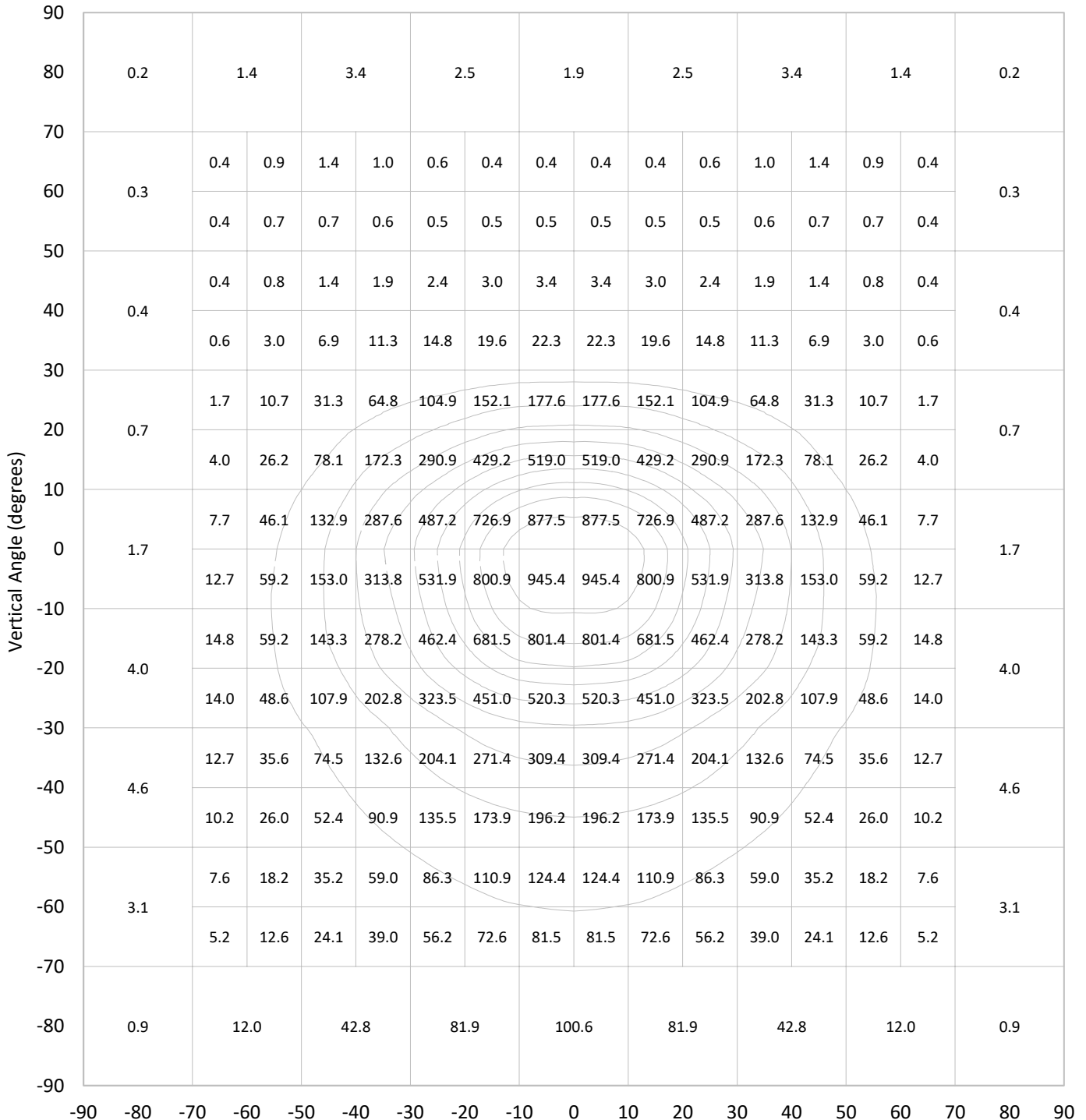
Iso-Candela Plot





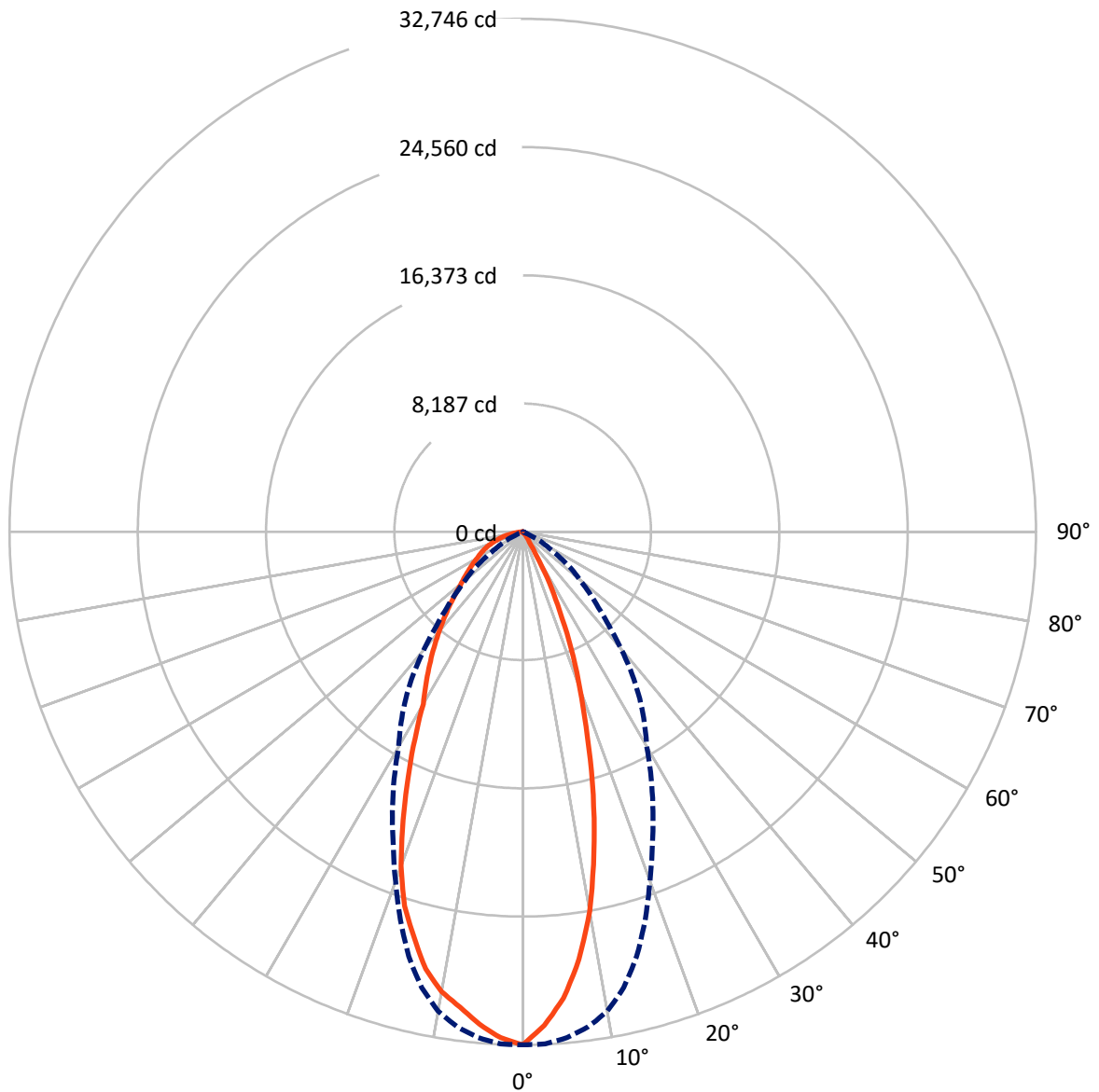
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Lumen Table



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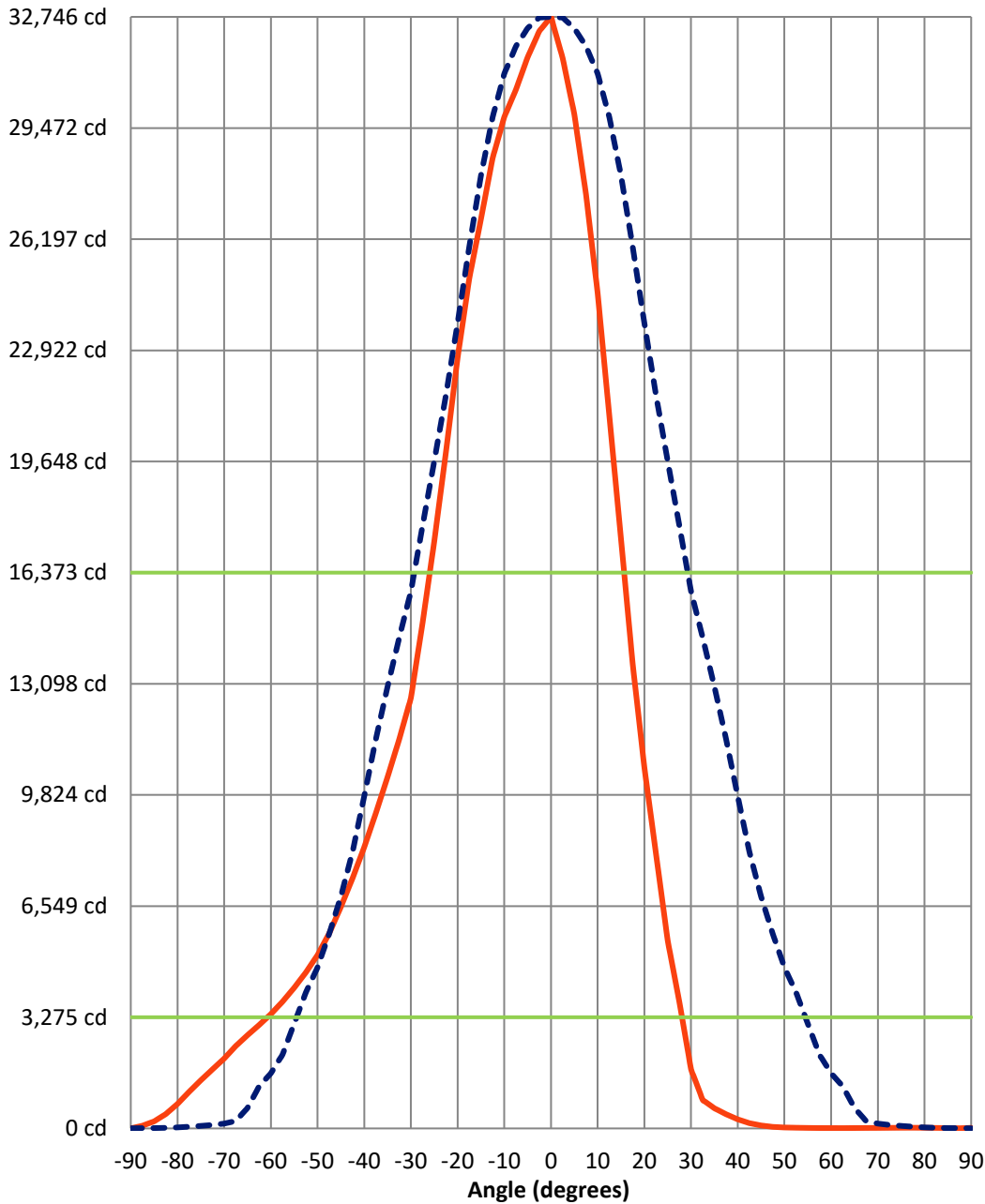
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 41.6°
 Lumens: 13888.8
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 26020.1
 Efficiency: 90.8%

Spill:
 Lumens: 2628.9
 Efficiency: 9.2%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.6	5.2	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0
87.5°	4.6	4.8	5.0	5.3	5.7	6.1	6.7	6.8	6.9	7.0	7.0
85°	4.6	4.9	5.4	6.0	6.8	7.7	8.7	9.1	9.3	9.4	9.4
82.5°	4.6	5.1	5.8	6.7	7.9	9.2	10.8	11.3	11.7	12.4	13.9
80°	4.6	5.3	6.2	7.4	8.9	10.7	12.6	12.9	14.1	16.3	19.5
77.5°	4.6	5.5	6.6	8.1	10.0	11.7	12.8	14.0	16.4	20.0	23.8
75°	4.6	5.6	7.0	8.8	10.8	11.8	13.0	15.0	18.4	21.4	24.5
72.5°	4.6	5.8	7.3	9.4	10.7	11.8	13.2	15.8	18.9	22.0	25.2
70°	4.6	6.0	7.7	9.9	10.6	11.8	13.4	16.2	19.4	22.6	26.2
67.5°	4.6	6.1	8.0	9.8	10.6	11.8	13.8	16.6	19.8	23.5	27.2
65°	4.6	6.3	8.4	9.6	10.4	12.0	14.3	16.9	20.6	24.3	28.5
62.5°	4.6	6.4	8.7	9.5	10.3	12.4	14.7	17.4	21.3	25.3	30.6
60°	4.6	6.6	9.0	9.3	10.1	12.8	15.1	17.9	21.9	27.0	32.5
57.5°	4.6	6.7	9.0	9.1	10.4	13.1	15.8	18.5	23.1	28.6	33.5
55°	4.6	6.8	8.9	8.9	10.8	13.5	16.6	19.3	24.3	29.9	34.1
52.5°	4.6	7.0	8.8	8.7	11.1	13.9	17.3	20.6	25.4	30.5	34.7
50°	4.6	7.1	8.8	8.5	11.4	14.6	18.0	22.0	26.3	31.1	33.7
47.5°	4.6	7.2	8.8	8.4	11.6	15.2	18.8	23.4	26.9	31.7	32.7
45°	4.6	7.3	8.8	8.6	11.9	15.8	20.0	24.7	28.3	31.0	31.8
42.5°	4.6	7.4	8.8	8.8	12.1	16.4	21.2	26.2	30.0	30.4	30.9
40°	4.6	7.5	8.8	9.1	12.5	17.0	22.3	27.7	31.6	30.1	30.2
37.5°	4.6	7.6	8.8	9.6	12.9	17.6	23.4	29.4	32.9	31.9	29.9
35°	4.6	7.7	8.9	10.1	13.4	18.4	24.5	31.2	34.7	34.4	32.1
32.5°	4.6	7.7	8.9	10.6	13.8	19.2	25.7	33.1	36.9	37.6	41.3
30°	4.6	7.8	9.0	11.2	14.1	20.0	27.2	35.0	39.4	41.6	50.6
27.5°	4.6	7.9	9.1	11.7	15.3	20.8	28.7	37.0	42.4	46.2	60.2
25°	4.6	7.9	9.2	12.2	16.5	21.5	30.2	39.2	46.1	53.3	70.8
22.5°	4.6	8.0	9.3	12.8	17.9	22.8	31.7	41.5	50.1	61.4	105.0
20°	4.6	8.0	9.4	13.3	19.2	25.7	33.1	43.9	54.4	69.4	141.3
17.5°	4.6	8.0	9.5	13.9	20.6	28.7	37.0	46.4	58.9	77.4	178.8
15°	4.6	8.0	9.6	14.4	22.0	31.8	42.4	51.5	63.5	85.2	216.9
12.5°	4.6	8.0	9.7	14.9	23.4	35.0	47.9	59.9	73.2	92.7	254.8
10°	4.6	8.1	9.8	15.4	24.8	38.3	53.4	68.5	87.1	115.5	304.9
7.5°	4.6	8.0	10.0	15.9	26.2	41.5	58.9	77.1	101.1	141.3	382.6
5°	4.6	8.0	10.1	16.4	27.5	44.7	64.4	85.7	115.2	167.4	459.9
2.5°	4.6	8.0	10.2	16.8	28.7	47.7	69.6	94.2	129.1	193.4	534.4
0°	4.6	8.0	10.3	17.2	29.9	50.6	74.7	102.3	142.6	218.5	603.6
-2.5°	4.6	8.1	11.1	19.7	35.7	61.4	94.1	134.3	193.0	299.9	710.4
-5°	4.6	8.3	11.8	22.2	41.4	72.0	112.9	165.5	242.0	378.5	808.0
-7.5°	4.6	8.4	12.5	24.6	46.8	82.0	131.0	195.4	288.8	452.6	895.0
-10°	4.6	8.5	13.2	26.9	51.9	91.5	147.9	223.5	332.7	520.8	970.2
-12.5°	4.6	8.7	13.8	29.0	56.7	100.3	163.6	249.6	373.1	579.5	998.6
-15°	4.6	8.8	14.4	30.9	61.0	108.3	177.8	273.1	408.4	615.3	1003.1
-17.5°	4.6	8.8	15.0	32.6	64.9	115.4	190.1	295.4	438.9	646.0	1001.4
-20°	4.6	8.9	15.5	34.1	68.2	121.5	202.2	316.3	465.2	671.3	994.5



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV2-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	16.0	35.3	70.9	126.5	215.1	334.1	487.1	690.8	982.9
-25°	4.6	9.0	16.4	36.2	73.1	133.0	225.8	348.7	504.4	704.6	967.3
-27.5°	4.6	9.1	16.7	36.9	74.5	139.2	234.1	359.8	516.7	715.9	977.1
-30°	4.6	9.1	17.0	37.2	75.5	143.9	239.9	367.3	527.0	727.9	981.0
-32.5°	4.6	9.1	17.1	37.3	77.8	146.9	243.2	373.1	534.2	733.2	977.6
-35°	4.6	9.1	17.2	37.0	79.2	148.3	245.8	375.9	536.4	731.7	966.7
-37.5°	4.6	9.0	17.3	36.3	79.6	148.6	246.8	375.0	533.4	723.2	919.6
-40°	4.6	9.0	17.2	35.3	79.1	148.7	245.2	370.5	525.3	713.0	872.3
-42.5°	4.6	8.9	17.1	34.3	78.4	147.2	241.0	362.2	514.9	678.7	822.0
-45°	4.6	8.8	16.9	33.7	77.6	144.2	234.3	351.9	500.9	639.3	770.1
-47.5°	4.6	8.7	16.6	32.7	76.1	139.6	225.1	340.5	481.6	597.9	723.9
-50°	4.6	8.6	16.2	32.3	73.7	133.5	216.5	325.7	447.9	560.0	675.6
-52.5°	4.6	8.5	15.8	32.0	70.5	125.9	206.3	307.5	416.3	520.4	625.9
-55°	4.6	8.4	15.2	31.3	66.5	119.5	193.9	286.7	384.7	479.3	580.4
-57.5°	4.6	8.2	14.6	30.2	61.8	112.4	179.6	267.7	351.5	440.7	533.4
-60°	4.6	8.0	14.0	28.7	56.5	104.1	163.8	244.0	318.0	401.7	486.4
-62.5°	4.6	7.8	13.5	26.9	52.7	94.8	150.6	217.8	286.9	361.2	441.2
-65°	4.6	7.6	12.9	24.8	48.4	84.5	135.9	192.1	254.1	322.0	394.5
-67.5°	4.6	7.4	12.3	22.4	43.4	74.6	119.8	169.4	219.8	281.7	347.4
-70°	4.6	7.2	11.7	19.7	38.0	65.5	102.5	145.7	190.3	239.8	298.9
-72.5°	4.6	7.0	11.0	18.0	32.1	55.6	87.2	120.9	159.8	202.8	249.9
-75°	4.6	6.7	10.3	16.5	25.8	45.0	71.3	98.5	128.1	164.6	204.5
-77.5°	4.6	6.5	9.6	14.9	22.2	33.9	54.6	76.5	100.5	126.9	157.7
-80°	4.6	6.2	8.8	13.2	19.2	26.8	37.3	54.0	72.6	93.3	115.9
-82.5°	4.6	6.0	8.1	11.4	16.0	21.9	28.9	35.7	44.3	59.0	75.2
-85°	4.6	5.7	7.3	9.7	12.8	16.9	21.7	26.3	31.3	36.9	42.9
-87.5°	4.6	5.4	6.5	7.8	9.6	11.7	14.3	16.7	19.4	22.3	25.5
-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-08-0320L-57-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.3	8.6	8.9	9.2	9.5	9.8	10.0	10.3	10.9	11.5	12.0
87.5°	7.4	7.7	8.1	8.6	7.8	7.0	6.0	5.0	5.3	5.6	5.9
85°	10.1	10.9	11.9	12.7	12.1	11.6	11.2	11.0	11.6	12.1	12.5
82.5°	15.3	16.4	17.0	17.3	17.6	18.2	19.2	21.3	22.5	23.3	23.6
80°	21.1	21.9	22.5	24.1	26.9	30.1	33.8	38.0	39.1	38.9	38.1
77.5°	24.7	26.1	28.9	32.8	37.3	41.9	47.0	52.6	54.0	53.3	52.2
75°	26.8	30.0	34.5	40.1	46.0	52.1	58.7	64.8	66.3	64.3	62.0
72.5°	28.6	33.4	39.4	46.6	53.4	59.8	66.5	73.5	76.2	72.9	68.7
70°	30.3	36.3	43.5	51.3	59.1	65.9	72.4	80.0	84.8	78.7	69.4
67.5°	31.7	39.2	47.2	55.2	61.8	68.5	76.4	79.7	81.5	71.8	61.7
65°	33.9	41.9	49.0	55.7	62.6	65.9	68.6	71.0	70.0	59.0	48.4
62.5°	36.0	42.5	49.2	54.5	56.7	58.7	58.4	56.1	52.5	45.7	37.4
60°	36.8	42.4	47.1	49.4	50.2	48.4	45.7	43.6	40.5	34.6	29.1
57.5°	37.2	40.5	43.1	43.8	41.7	38.9	37.8	34.8	32.5	28.8	23.9
55°	36.9	37.4	38.7	37.1	35.5	34.4	32.7	31.8	28.6	25.1	21.5
52.5°	35.4	34.8	33.6	32.9	33.4	33.2	32.6	30.9	28.1	24.6	22.5
50°	34.0	31.9	30.0	32.6	35.0	36.9	33.9	32.1	32.0	30.4	27.0
47.5°	32.2	29.5	31.1	35.1	41.8	44.2	40.0	40.0	41.3	44.5	40.6
45°	30.6	31.6	34.2	44.1	52.2	55.9	56.6	52.1	63.2	66.8	65.7
42.5°	29.5	36.0	47.8	54.7	67.8	75.9	79.1	85.7	92.2	100.2	102.2
40°	33.8	41.8	68.3	80.1	88.2	102.0	118.6	129.5	131.5	143.6	149.1
37.5°	39.4	65.1	96.3	116.6	116.1	140.0	165.0	191.1	205.9	194.3	221.0
35°	45.8	92.5	136.7	166.2	173.7	188.6	232.5	282.6	331.0	302.7	316.5
32.5°	64.7	123.9	183.9	229.1	273.0	283.0	310.2	446.0	533.8	535.3	464.6
30°	95.7	168.0	240.2	301.9	403.4	450.0	493.5	662.1	809.8	904.9	925.1
27.5°	134.6	218.4	309.1	420.1	563.9	647.9	789.0	970.0	1202.5	1376.5	1496.8
25°	178.2	296.5	384.3	569.5	755.6	909.9	1107.9	1357.0	1683.0	1961.9	2222.3
22.5°	234.3	387.1	503.8	737.0	967.9	1193.1	1468.0	1826.2	2241.0	2603.7	2972.8
20°	305.0	490.0	659.5	943.5	1209.3	1480.4	1833.1	2331.2	2856.3	3369.1	3847.9
17.5°	381.4	598.4	833.9	1179.5	1539.1	1845.7	2215.0	2855.7	3504.3	4208.6	4905.9
15°	461.9	710.7	1006.7	1436.9	1893.2	2310.5	2799.0	3451.8	4223.0	5126.3	6026.0
12.5°	544.6	825.1	1176.3	1709.4	2262.6	2784.0	3406.0	4150.8	5036.2	6107.4	7198.4
10°	627.4	939.6	1340.8	1989.7	2640.0	3259.7	3997.6	4825.6	5838.0	7041.7	8275.8
7.5°	777.4	1090.0	1511.4	2270.2	3017.6	3730.7	4568.7	5471.6	6597.3	7935.4	9285.2
5°	937.6	1275.3	1744.2	2564.4	3374.2	4144.0	5082.3	6082.8	7308.2	8777.1	10240.8
2.5°	1093.3	1453.6	1966.2	2839.1	3702.1	4459.2	5427.5	6479.7	7777.5	9364.8	10966.6
0°	1239.4	1623.5	2175.3	3088.2	4003.4	4743.9	5733.8	6833.0	8148.3	9785.6	11471.1
-2.5°	1371.4	1778.8	2351.3	3240.6	4096.5	4814.4	5811.3	6913.6	8214.5	9787.1	11345.3
-5°	1487.5	1923.5	2510.8	3367.8	4166.0	4861.1	5848.1	6946.0	8221.9	9716.7	11171.6
-7.5°	1586.4	2056.8	2652.6	3459.3	4203.0	4898.5	5855.9	6934.5	8178.5	9588.8	10966.5
-10°	1652.4	2111.8	2661.5	3435.5	4192.9	4913.6	5829.1	6879.0	8076.8	9407.2	10712.2
-12.5°	1609.7	2091.4	2629.9	3382.7	4157.9	4894.1	5766.7	6781.6	7918.7	9182.3	10411.8
-15°	1561.4	2057.7	2578.3	3299.7	4098.2	4837.8	5670.6	6644.6	7647.4	8814.1	10027.3
-17.5°	1509.9	2010.0	2506.2	3185.8	4014.0	4742.7	5492.5	6283.3	7203.4	8347.7	9546.1
-20°	1457.5	1947.9	2413.0	3040.6	3898.4	4500.9	5114.7	5849.8	6722.2	7787.5	8987.1



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1406.4	1871.0	2314.6	2913.0	3590.4	4158.9	4713.6	5375.0	6167.3	7131.3	8182.6
-25°	1367.9	1791.3	2219.4	2704.4	3266.7	3811.6	4283.1	4869.5	5590.2	6414.8	7246.5
-27.5°	1338.0	1720.6	2084.6	2498.5	2962.4	3461.3	3880.1	4383.6	5062.2	5722.7	6364.6
-30°	1306.2	1627.1	1948.1	2308.6	2718.8	3132.4	3495.8	3987.2	4591.0	5160.8	5671.8
-32.5°	1244.8	1528.3	1828.5	2153.5	2497.4	2838.2	3218.5	3684.0	4188.6	4678.7	5088.6
-35°	1172.0	1435.5	1713.3	2000.2	2290.7	2620.3	2999.0	3398.3	3825.3	4268.4	4735.5
-37.5°	1111.0	1339.0	1594.9	1858.1	2126.4	2433.3	2772.2	3138.8	3517.4	3913.6	4370.9
-40°	1045.4	1238.8	1482.3	1726.2	1973.1	2249.2	2560.6	2885.9	3225.2	3600.4	3996.1
-42.5°	977.1	1161.3	1369.8	1591.6	1823.2	2070.6	2341.5	2643.9	2955.7	3285.3	3638.8
-45°	918.3	1079.8	1258.8	1465.4	1671.4	1890.2	2135.0	2398.5	2691.1	2984.5	3292.3
-47.5°	856.4	998.8	1164.9	1337.2	1526.5	1720.4	1925.4	2173.6	2426.3	2695.3	2961.9
-50°	794.7	927.9	1067.4	1226.2	1388.5	1558.5	1738.3	1960.1	2192.0	2418.2	2651.9
-52.5°	739.4	854.2	985.2	1120.0	1264.6	1412.1	1578.7	1771.8	1976.1	2177.5	2385.6
-55°	682.1	789.7	904.9	1026.4	1150.5	1281.6	1435.1	1607.0	1775.0	1962.5	2148.7
-57.5°	627.8	727.1	831.9	939.1	1050.6	1163.9	1311.6	1454.6	1610.6	1766.2	1927.8
-60°	574.8	666.7	762.9	860.1	956.7	1070.3	1195.7	1328.8	1461.6	1593.9	1745.0
-62.5°	521.2	609.1	696.6	784.8	874.6	980.0	1099.4	1216.7	1329.9	1455.9	1584.1
-65°	469.9	550.1	632.8	714.2	794.0	896.1	1003.8	1114.7	1224.8	1330.5	1439.5
-67.5°	416.7	489.8	566.1	644.4	721.1	809.7	905.9	1006.9	1109.6	1206.9	1306.7
-70°	360.9	426.8	495.5	566.6	640.9	719.9	802.2	890.6	981.6	1067.6	1154.4
-72.5°	302.7	359.8	420.6	485.0	549.6	617.4	689.4	765.4	839.8	911.9	987.0
-75°	246.1	290.9	341.8	396.0	451.0	508.2	568.4	630.4	690.2	748.7	809.0
-77.5°	190.6	226.0	264.6	306.1	347.3	391.8	438.8	488.3	534.8	580.4	626.6
-80°	137.4	159.7	187.9	218.7	249.7	281.4	313.9	347.1	376.8	408.0	441.7
-82.5°	90.5	106.5	123.3	140.8	158.5	176.7	196.4	219.9	239.5	258.9	278.4
-85°	47.8	52.7	62.9	73.5	83.9	94.6	105.7	117.2	127.4	137.0	146.3
-87.5°	28.1	30.7	33.4	36.2	38.5	40.8	43.0	45.3	48.4	51.5	54.7
-90°	4.6	4.6	4.6	4.6	4.3	4.0	3.7	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°	12.6	13.2	13.8	14.3	14.9	15.2	15.5	15.8	16.1	16.4	16.7
87.5°	6.3	6.1	5.9	5.7	5.5	6.8	8.2	9.7	11.2	10.2	9.1
85°	12.8	12.7	12.6	12.5	12.3	14.2	16.2	18.1	20.0	18.3	16.5
82.5°	23.6	23.1	22.3	21.1	19.7	19.5	19.1	18.5	17.6	16.8	16.1
80°	37.0	35.3	33.1	30.4	27.4	25.7	24.1	22.3	20.4	19.8	19.4
77.5°	50.2	46.8	42.9	38.6	34.0	31.1	28.6	25.9	23.0	22.2	21.7
75°	59.2	55.0	49.2	43.0	36.5	32.2	29.0	25.8	22.6	21.5	20.8
72.5°	63.4	57.2	50.0	41.8	33.8	28.7	25.5	22.6	19.8	18.7	18.2
70°	60.2	51.4	43.3	35.4	28.0	23.1	20.8	18.8	17.2	16.3	15.9
67.5°	51.4	42.4	34.6	27.7	22.0	18.3	17.0	15.9	14.9	14.3	14.1
65°	39.8	32.9	26.9	22.0	18.1	15.6	14.6	13.6	12.7	12.1	11.9
62.5°	30.2	24.8	20.9	17.9	15.4	13.7	12.9	12.3	11.8	11.4	11.1
60°	24.1	19.6	17.2	15.6	14.1	12.8	12.6	12.5	12.4	12.1	11.7
57.5°	20.7	17.9	16.1	15.7	15.1	14.2	14.0	13.9	13.4	12.6	12.2
55°	19.7	19.1	18.3	18.6	18.6	17.9	16.8	16.1	15.5	14.8	14.9
52.5°	22.0	23.5	24.3	24.2	23.0	21.3	19.3	19.6	20.0	20.3	20.7
50°	29.4	31.2	31.2	28.6	28.5	27.5	25.1	26.2	27.7	28.0	28.2
47.5°	40.8	42.5	43.7	39.2	40.0	42.5	39.9	39.2	44.0	46.1	47.2
45°	59.4	66.7	68.8	70.2	68.2	74.6	74.6	71.6	81.1	86.2	88.0
42.5°	99.0	111.3	121.0	123.9	121.6	129.5	135.5	135.0	146.9	155.4	157.6
40°	165.7	177.3	191.2	196.4	198.7	205.9	221.1	231.0	242.9	256.1	262.8
37.5°	251.3	269.4	272.3	283.0	296.3	303.1	326.3	346.1	362.3	387.0	402.9
35°	376.6	424.6	373.0	397.5	431.4	435.3	456.4	502.1	513.5	556.8	580.7
32.5°	607.9	697.2	685.5	602.5	675.4	758.2	666.0	830.0	815.3	861.5	920.2
30°	959.5	1218.9	1247.7	1126.4	1328.9	1438.8	1421.1	1584.5	1689.3	1676.3	1879.5
27.5°	1711.7	1919.8	2014.3	2188.5	2298.0	2460.0	2745.3	2911.5	3210.4	3367.3	3555.4
25°	2525.8	2771.9	3075.5	3375.1	3602.8	3961.9	4362.4	4677.1	5100.2	5365.7	5559.2
22.5°	3405.9	3840.4	4263.1	4680.5	5140.1	5634.8	6107.2	6652.7	7167.6	7547.9	7835.4
20°	4370.7	4972.0	5569.9	6143.0	6716.3	7377.8	7962.7	8618.3	9250.9	9800.8	10179.5
17.5°	5563.4	6192.2	6955.7	7722.5	8465.3	9284.3	10148.3	10883.4	11770.5	12503.1	13054.2
15°	6862.4	7649.8	8483.2	9442.3	10445.3	11458.8	12506.7	13587.4	14597.3	15534.0	16235.6
12.5°	8203.8	9183.9	10199.3	11261.3	12424.4	13685.6	15002.4	16288.7	17537.3	18566.9	19529.5
10°	9492.2	10717.2	11895.4	13139.8	14479.2	15890.1	17432.1	18964.4	20415.6	21683.8	22719.7
7.5°	10621.3	11951.1	13310.4	14836.3	16426.1	18007.3	19677.9	21396.7	23048.4	24510.3	25721.3
5°	11682.6	13069.9	14447.1	16088.7	17842.8	19657.2	21548.7	23479.4	25262.7	26915.4	28256.6
2.5°	12510.0	13969.3	15385.4	17185.3	19036.3	20884.1	22812.9	24923.8	26913.0	28709.6	30025.6
0°	13015.2	14455.9	15824.1	17755.7	19659.7	21599.3	23726.3	25973.0	28067.8	29789.0	31071.0
-2.5°	12840.5	14246.1	15730.3	17627.8	19640.6	21580.6	23732.3	25999.6	28080.9	29829.8	31081.7
-5°	12600.6	13978.6	15480.8	17379.3	19343.8	21281.5	23402.9	25632.6	27676.7	29397.3	30582.9
-7.5°	12305.6	13635.6	15100.5	16941.7	18895.3	20835.3	22900.3	25010.0	26964.9	28675.2	29790.9
-10°	11956.9	13217.7	14666.9	16437.9	18376.5	20246.6	22208.8	24298.2	26260.1	27815.5	29013.0
-12.5°	11595.1	12823.5	14169.2	15844.8	17700.7	19439.3	21312.8	23324.8	25053.3	26643.9	27696.2
-15°	11180.7	12358.9	13620.7	15165.1	16847.2	18474.5	20101.9	21876.2	23453.4	24867.8	25985.9
-17.5°	10701.2	11817.4	12925.0	14313.6	15924.1	17377.6	18802.4	20347.5	21749.6	23048.2	24016.2
-20°	10038.9	10957.4	12021.6	13350.1	14745.2	15971.2	17271.3	18569.2	19817.4	20916.6	21736.4



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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°	9090.3	9984.0	10969.9	12056.4	13223.7	14349.8	15462.6	16524.6	17540.1	18454.8	19114.7
-25°	8080.5	8896.8	9786.7	10689.9	11621.9	12630.7	13606.7	14483.3	15318.4	16025.2	16568.7
-27.5°	7077.2	7849.1	8627.2	9356.1	10101.6	10944.2	11798.4	12532.3	13239.6	13793.3	14217.0
-30°	6181.0	7006.3	7691.4	8187.3	8909.7	9649.0	10202.8	10870.5	11427.8	11781.1	12236.4
-32.5°	5687.1	6309.6	6930.7	7440.6	8014.7	8663.3	9187.8	9733.3	10203.5	10583.2	10869.6
-35°	5236.6	5783.6	6308.5	6833.0	7345.6	7866.6	8350.1	8810.5	9227.6	9563.4	9828.7
-37.5°	4831.9	5305.3	5780.5	6233.0	6693.4	7128.9	7543.9	7941.1	8291.8	8594.4	8844.5
-40°	4423.3	4846.2	5264.1	5673.3	6075.9	6431.4	6788.3	7116.5	7412.4	7680.2	7898.9
-42.5°	4013.1	4390.4	4756.4	5127.7	5484.9	5793.5	6088.1	6359.4	6613.2	6841.4	7030.1
-45°	3609.8	3943.0	4265.5	4595.1	4896.4	5177.6	5434.3	5662.8	5880.8	6073.2	6231.7
-47.5°	3246.2	3517.6	3805.4	4086.7	4348.2	4601.5	4826.1	5027.1	5218.4	5381.3	5510.7
-50°	2908.3	3156.1	3398.7	3626.6	3871.0	4093.0	4283.1	4468.4	4642.4	4787.7	4896.9
-52.5°	2590.7	2819.3	3037.4	3250.1	3462.1	3659.7	3842.0	4011.4	4163.4	4296.7	4391.2
-55°	2339.2	2526.0	2702.7	2907.3	3101.9	3277.6	3440.8	3605.3	3751.8	3881.2	3960.3
-57.5°	2101.1	2269.7	2437.9	2614.8	2786.0	2951.0	3106.0	3250.1	3385.1	3506.2	3574.2
-60°	1888.6	2024.7	2184.7	2347.9	2503.0	2650.3	2795.9	2931.1	3056.5	3161.9	3222.0
-62.5°	1710.7	1839.9	1975.3	2111.6	2245.9	2382.9	2515.0	2640.6	2759.6	2855.6	2914.1
-65°	1553.7	1670.8	1789.1	1909.8	2032.1	2152.8	2265.2	2375.6	2483.2	2565.5	2618.2
-67.5°	1406.0	1506.7	1606.1	1708.9	1814.3	1918.4	2017.5	2115.3	2211.1	2277.5	2318.8
-70°	1244.1	1333.0	1418.6	1505.1	1591.2	1675.8	1757.7	1839.5	1920.3	1973.6	2008.9
-72.5°	1064.6	1138.9	1208.4	1277.4	1347.8	1417.4	1484.8	1550.3	1613.6	1654.8	1685.3
-75°	870.8	927.4	981.4	1035.9	1090.4	1147.0	1202.6	1256.0	1306.9	1337.8	1361.5
-77.5°	673.5	713.6	751.7	790.0	828.3	872.1	916.4	959.4	1000.8	1022.7	1039.0
-80°	475.6	503.8	529.7	554.6	578.2	606.1	634.2	661.4	687.5	700.0	709.2
-82.5°	298.0	314.5	329.9	344.5	358.3	373.3	387.5	400.7	412.9	418.9	423.4
-85°	155.0	162.2	168.8	174.9	180.5	187.4	193.9	200.0	205.6	207.4	208.6
-87.5°	57.8	60.0	62.1	64.1	66.0	68.6	71.2	73.7	76.1	76.7	77.3
-90°	3.4	3.4	3.4	3.4	3.4	3.1	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°	16.9	17.2	17.2	17.2	17.2	17.2	16.9	16.7	16.4	16.1	15.8
87.5°	8.0	6.9	6.3	5.7	6.3	6.9	8.0	9.1	10.2	11.2	9.7
85°	14.5	12.6	12.0	11.5	12.0	12.6	14.5	16.5	18.3	20.0	18.1
82.5°	15.5	14.9	14.9	14.9	14.9	14.9	15.5	16.1	16.8	17.6	18.5
80°	18.9	18.4	18.4	18.4	18.4	18.4	18.9	19.4	19.8	20.4	22.3
77.5°	21.2	20.7	20.7	20.7	20.7	20.7	21.2	21.7	22.2	23.0	25.9
75°	20.2	19.6	19.5	19.5	19.5	19.6	20.2	20.8	21.5	22.6	25.8
72.5°	17.7	17.3	17.2	17.2	17.2	17.3	17.7	18.2	18.7	19.8	22.6
70°	15.4	15.0	14.9	14.9	14.9	15.0	15.4	15.9	16.3	17.2	18.8
67.5°	13.9	13.8	13.8	13.8	13.8	13.8	13.9	14.1	14.3	14.9	15.9
65°	11.7	11.6	11.5	11.5	11.5	11.6	11.7	11.9	12.1	12.7	13.6
62.5°	10.8	10.4	9.8	9.2	9.8	10.4	10.8	11.1	11.4	11.8	12.3
60°	11.1	10.5	10.3	10.3	10.3	10.5	11.1	11.7	12.1	12.4	12.5
57.5°	11.8	11.5	11.5	11.5	11.5	11.5	11.8	12.2	12.6	13.4	13.9
55°	14.9	14.8	14.8	14.8	14.8	14.8	14.9	14.9	14.8	15.5	16.1
52.5°	20.8	20.6	20.6	20.7	20.6	20.6	20.8	20.7	20.3	20.0	19.6
50°	28.5	28.5	28.2	27.6	28.2	28.5	28.5	28.2	28.0	27.7	26.2
47.5°	47.9	47.2	46.4	46.0	46.4	47.2	47.9	47.2	46.1	44.0	39.2
45°	90.1	89.4	88.1	87.4	88.1	89.4	90.1	88.0	86.2	81.1	71.6
42.5°	161.3	160.0	156.9	155.2	156.9	160.0	161.3	157.6	155.4	146.9	135.0
40°	270.3	271.7	269.4	267.9	269.4	271.7	270.3	262.8	256.1	242.9	231.0
37.5°	415.5	421.6	420.8	418.5	420.8	421.6	415.5	402.9	387.0	362.3	346.1
35°	591.7	598.4	595.0	594.4	595.0	598.4	591.7	580.7	556.8	513.5	502.1
32.5°	876.1	866.2	829.1	839.3	829.1	866.2	876.1	920.2	861.5	815.3	830.0
30°	1893.2	1929.6	1825.9	1743.0	1825.9	1929.6	1893.2	1879.5	1676.3	1689.3	1584.5
27.5°	3574.0	3652.6	3637.9	3722.9	3637.9	3652.6	3574.0	3555.4	3367.3	3210.4	2911.5
25°	5635.1	5687.2	5690.5	5537.2	5690.5	5687.2	5635.1	5559.2	5365.7	5100.2	4677.1
22.5°	7941.8	7992.1	8083.8	8083.9	8083.8	7992.1	7941.8	7835.4	7547.9	7167.6	6652.7
20°	10442.9	10452.1	10627.2	10639.8	10627.2	10452.1	10442.9	10179.5	9800.8	9250.9	8618.3
17.5°	13442.1	13587.9	13824.6	13686.7	13824.6	13587.9	13442.1	13054.2	12503.1	11770.5	10883.4
15°	16899.5	17225.4	17478.4	17364.7	17478.4	17225.4	16899.5	16235.6	15534.0	14597.3	13587.4
12.5°	20294.9	20808.6	21053.2	20993.4	21053.2	20808.6	20294.9	19529.5	18566.9	17537.3	16288.7
10°	23526.9	24249.9	24509.6	24601.3	24509.6	24249.9	23526.9	22719.7	21683.8	20415.6	18964.4
7.5°	26625.3	27287.8	27681.6	27517.1	27681.6	27287.8	26625.3	25721.3	24510.3	23048.4	21396.7
5°	29112.0	29671.6	29989.6	29876.4	29989.6	29671.6	29112.0	28256.6	26915.4	25262.7	23479.4
2.5°	30873.1	31395.6	31671.3	31532.6	31671.3	31395.6	30873.1	30025.6	28709.6	26913.0	24923.8
0°	31879.2	32411.6	32723.7	32746.2	32723.7	32411.6	31879.2	31071.0	29789.0	28067.8	25973.0
-2.5°	31840.0	32216.0	32435.4	32323.7	32435.4	32216.0	31840.0	31081.7	29829.8	28080.9	25999.6
-5°	31173.4	31491.0	31604.9	31556.2	31604.9	31491.0	31173.4	30582.9	29397.3	27676.7	25632.6
-7.5°	30351.1	30585.2	30663.5	30605.4	30663.5	30585.2	30351.1	29790.9	28675.2	26964.9	25010.0
-10°	29555.5	29789.5	29829.2	29795.9	29829.2	29789.5	29555.5	29013.0	27815.5	26260.1	24298.2
-12.5°	28397.1	28650.8	28659.0	28581.8	28659.0	28650.8	28397.1	27696.2	26643.9	25053.3	23324.8
-15°	26590.5	26798.0	26831.4	26788.1	26831.4	26798.0	26590.5	25985.9	24867.8	23453.4	21876.2
-17.5°	24582.5	24719.8	24868.6	25034.8	24868.6	24719.8	24582.5	24016.2	23048.2	21749.6	20347.5
-20°	22171.5	22335.8	22511.4	22697.3	22511.4	22335.8	22171.5	21736.4	20916.6	19817.4	18569.2



REPORT NUMBER: P701432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19461.9	19646.5	19826.6	19920.7	19826.6	19646.5	19461.9	19114.7	18454.8	17540.1	16524.6
-25°	16840.9	17065.7	17207.8	17293.5	17207.8	17065.7	16840.9	16568.7	16025.2	15318.4	14483.3
-27.5°	14438.0	14704.5	14835.7	14891.6	14835.7	14704.5	14438.0	14217.0	13793.3	13239.6	12532.3
-30°	12414.2	12577.8	12600.5	12685.2	12600.5	12577.8	12414.2	12236.4	11781.1	11427.8	10870.5
-32.5°	11080.0	11261.7	11372.2	11465.4	11372.2	11261.7	11080.0	10869.6	10583.2	10203.5	9733.3
-35°	10034.7	10199.3	10307.6	10352.4	10307.6	10199.3	10034.7	9828.7	9563.4	9227.6	8810.5
-37.5°	9032.8	9157.2	9232.9	9293.5	9232.9	9157.2	9032.8	8844.5	8594.4	8291.8	7941.1
-40°	8066.7	8190.1	8265.0	8285.1	8265.0	8190.1	8066.7	7898.9	7680.2	7412.4	7116.5
-42.5°	7165.1	7260.1	7325.3	7369.9	7325.3	7260.1	7165.1	7030.1	6841.4	6613.2	6359.4
-45°	6348.6	6432.4	6490.4	6526.0	6490.4	6432.4	6348.6	6231.7	6073.2	5880.8	5662.8
-47.5°	5606.0	5673.4	5719.6	5746.5	5719.6	5673.4	5606.0	5510.7	5381.3	5218.4	5027.1
-50°	4978.3	5038.5	5081.2	5107.2	5081.2	5038.5	4978.3	4896.9	4787.7	4642.4	4468.4
-52.5°	4465.1	4523.6	4566.6	4594.4	4566.6	4523.6	4465.1	4391.2	4296.7	4163.4	4011.4
-55°	4025.9	4079.6	4118.6	4143.7	4118.6	4079.6	4025.9	3960.3	3881.2	3751.8	3605.3
-57.5°	3632.0	3679.5	3712.5	3733.3	3712.5	3679.5	3632.0	3574.2	3506.2	3385.1	3250.1
-60°	3273.3	3316.1	3346.4	3367.6	3346.4	3316.1	3273.3	3222.0	3161.9	3056.5	2931.1
-62.5°	2965.8	3010.8	3034.9	3048.0	3034.9	3010.8	2965.8	2914.1	2855.6	2759.6	2640.6
-65°	2666.6	2710.0	2733.4	2746.8	2733.4	2710.0	2666.6	2618.2	2565.5	2483.2	2375.6
-67.5°	2355.2	2386.4	2410.2	2428.3	2410.2	2386.4	2355.2	2318.8	2277.5	2211.1	2115.3
-70°	2039.2	2064.5	2065.3	2058.1	2065.3	2064.5	2039.2	2008.9	1973.6	1920.3	1839.5
-72.5°	1711.8	1733.9	1739.7	1739.6	1739.7	1733.9	1711.8	1685.3	1654.8	1613.6	1550.3
-75°	1381.9	1398.9	1410.3	1417.6	1410.3	1398.9	1381.9	1361.5	1337.8	1306.9	1256.0
-77.5°	1052.3	1062.6	1072.1	1078.5	1072.1	1062.6	1052.3	1039.0	1022.7	1000.8	959.4
-80°	716.2	721.0	722.1	720.9	722.1	721.0	716.2	709.2	700.0	687.5	661.4
-82.5°	426.7	428.7	426.6	423.1	426.6	428.7	426.7	423.4	418.9	412.9	400.7
-85°	209.3	209.4	209.0	208.1	209.0	209.4	209.3	208.6	207.4	205.6	200.0
-87.5°	77.7	78.0	79.3	80.5	79.3	78.0	77.7	77.3	76.7	76.1	73.7
-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°	15.5	15.2	14.9	14.3	13.8	13.2	12.6	12.0	11.5	10.9	10.3
87.5°	8.2	6.8	5.5	5.7	5.9	6.1	6.3	5.9	5.6	5.3	5.0
85°	16.2	14.2	12.3	12.5	12.6	12.7	12.8	12.5	12.1	11.6	11.0
82.5°	19.1	19.5	19.7	21.1	22.3	23.1	23.6	23.6	23.3	22.5	21.3
80°	24.1	25.7	27.4	30.4	33.1	35.3	37.0	38.1	38.9	39.1	38.0
77.5°	28.6	31.1	34.0	38.6	42.9	46.8	50.2	52.2	53.3	54.0	52.6
75°	29.0	32.2	36.5	43.0	49.2	55.0	59.2	62.0	64.3	66.3	64.8
72.5°	25.5	28.7	33.8	41.8	50.0	57.2	63.4	68.7	72.9	76.2	73.5
70°	20.8	23.1	28.0	35.4	43.3	51.4	60.2	69.4	78.7	84.8	80.0
67.5°	17.0	18.3	22.0	27.7	34.6	42.4	51.4	61.7	71.8	81.5	79.7
65°	14.6	15.6	18.1	22.0	26.9	32.9	39.8	48.4	59.0	70.0	71.0
62.5°	12.9	13.7	15.4	17.9	20.9	24.8	30.2	37.4	45.7	52.5	56.1
60°	12.6	12.8	14.1	15.6	17.2	19.6	24.1	29.1	34.6	40.5	43.6
57.5°	14.0	14.2	15.1	15.7	16.1	17.9	20.7	23.9	28.8	32.5	34.8
55°	16.8	17.9	18.6	18.6	18.3	19.1	19.7	21.5	25.1	28.6	31.8
52.5°	19.3	21.3	23.0	24.2	24.3	23.5	22.0	22.5	24.6	28.1	30.9
50°	25.1	27.5	28.5	28.6	31.2	31.2	29.4	27.0	30.4	32.0	32.1
47.5°	39.9	42.5	40.0	39.2	43.7	42.5	40.8	40.6	44.5	41.3	40.0
45°	74.6	74.6	68.2	70.2	68.8	66.7	59.4	65.7	66.8	63.2	52.1
42.5°	135.5	129.5	121.6	123.9	121.0	111.3	99.0	102.2	100.2	92.2	85.7
40°	221.1	205.9	198.7	196.4	191.2	177.3	165.7	149.1	143.6	131.5	129.5
37.5°	326.3	303.1	296.3	283.0	272.3	269.4	251.3	221.0	194.3	205.9	191.1
35°	456.4	435.3	431.4	397.5	373.0	424.6	376.6	316.5	302.7	331.0	282.6
32.5°	666.0	758.2	675.4	602.5	685.5	697.2	607.9	464.6	535.3	533.8	446.0
30°	1421.1	1438.8	1328.9	1126.4	1247.7	1218.9	959.5	925.1	904.9	809.8	662.1
27.5°	2745.3	2460.0	2298.0	2188.5	2014.3	1919.8	1711.7	1496.8	1376.5	1202.5	970.0
25°	4362.4	3961.9	3602.8	3375.1	3075.5	2771.9	2525.8	2222.3	1961.9	1683.0	1357.0
22.5°	6107.2	5634.8	5140.1	4680.5	4263.1	3840.4	3405.9	2972.8	2603.7	2241.0	1826.2
20°	7962.7	7377.8	6716.3	6143.0	5569.9	4972.0	4370.7	3847.9	3369.1	2856.3	2331.2
17.5°	10148.3	9284.3	8465.3	7722.5	6955.7	6192.2	5563.4	4905.9	4208.6	3504.3	2855.7
15°	12506.7	11458.8	10445.3	9442.3	8483.2	7649.8	6862.4	6026.0	5126.3	4223.0	3451.8
12.5°	15002.4	13685.6	12424.4	11261.3	10199.3	9183.9	8203.8	7198.4	6107.4	5036.2	4150.8
10°	17432.1	15890.1	14479.2	13139.8	11895.4	10717.2	9492.2	8275.8	7041.7	5838.0	4825.6
7.5°	19677.9	18007.3	16426.1	14836.3	13310.4	11951.1	10621.3	9285.2	7935.4	6597.3	5471.6
5°	21548.7	19657.2	17842.8	16088.7	14447.1	13069.9	11682.6	10240.8	8777.1	7308.2	6082.8
2.5°	22812.9	20884.1	19036.3	17185.3	15385.4	13969.3	12510.0	10966.6	9364.8	7777.5	6479.7
0°	23726.3	21599.3	19659.7	17755.7	15824.1	14455.9	13015.2	11471.1	9785.6	8148.3	6833.0
-2.5°	23732.3	21580.6	19640.6	17627.8	15730.3	14246.1	12840.5	11345.3	9787.1	8214.5	6913.6
-5°	23402.9	21281.5	19343.8	17379.3	15480.8	13978.6	12600.6	11171.6	9716.7	8221.9	6946.0
-7.5°	22900.3	20835.3	18895.3	16941.7	15100.5	13635.6	12305.6	10966.5	9588.8	8178.5	6934.5
-10°	22208.8	20246.6	18376.5	16437.9	14666.9	13217.7	11956.9	10712.2	9407.2	8076.8	6879.0
-12.5°	21312.8	19439.3	17700.7	15844.8	14169.2	12823.5	11595.1	10411.8	9182.3	7918.7	6781.6
-15°	20101.9	18474.5	16847.2	15165.1	13620.7	12358.9	11180.7	10027.3	8814.1	7647.4	6644.6
-17.5°	18802.4	17377.6	15924.1	14313.6	12925.0	11817.4	10701.2	9546.1	8347.7	7203.4	6283.3
-20°	17271.3	15971.2	14745.2	13350.1	12021.6	10957.4	10038.9	8987.1	7787.5	6722.2	5849.8



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15462.6	14349.8	13223.7	12056.4	10969.9	9984.0	9090.3	8182.6	7131.3	6167.3	5375.0
-25°	13606.7	12630.7	11621.9	10689.9	9786.7	8896.8	8080.5	7246.5	6414.8	5590.2	4869.5
-27.5°	11798.4	10944.2	10101.6	9356.1	8627.2	7849.1	7077.2	6364.6	5722.7	5062.2	4383.6
-30°	10202.8	9649.0	8909.7	8187.3	7691.4	7006.3	6181.0	5671.8	5160.8	4591.0	3987.2
-32.5°	9187.8	8663.3	8014.7	7440.6	6930.7	6309.6	5687.1	5088.6	4678.7	4188.6	3684.0
-35°	8350.1	7866.6	7345.6	6833.0	6308.5	5783.6	5236.6	4735.5	4268.4	3825.3	3398.3
-37.5°	7543.9	7128.9	6693.4	6233.0	5780.5	5305.3	4831.9	4370.9	3913.6	3517.4	3138.8
-40°	6788.3	6431.4	6075.9	5673.3	5264.1	4846.2	4423.3	3996.1	3600.4	3225.2	2885.9
-42.5°	6088.1	5793.5	5484.9	5127.7	4756.4	4390.4	4013.1	3638.8	3285.3	2955.7	2643.9
-45°	5434.3	5177.6	4896.4	4595.1	4265.5	3943.0	3609.8	3292.3	2984.5	2691.1	2398.5
-47.5°	4826.1	4601.5	4348.2	4086.7	3805.4	3517.6	3246.2	2961.9	2695.3	2426.3	2173.6
-50°	4283.1	4093.0	3871.0	3626.6	3398.7	3156.1	2908.3	2651.9	2418.2	2192.0	1960.1
-52.5°	3842.0	3659.7	3462.1	3250.1	3037.4	2819.3	2590.7	2385.6	2177.5	1976.1	1771.8
-55°	3440.8	3277.6	3101.9	2907.3	2702.7	2526.0	2339.2	2148.7	1962.5	1775.0	1607.0
-57.5°	3106.0	2951.0	2786.0	2614.8	2437.9	2269.7	2101.1	1927.8	1766.2	1610.6	1454.6
-60°	2795.9	2650.3	2503.0	2347.9	2184.7	2024.7	1888.6	1745.0	1593.9	1461.6	1328.8
-62.5°	2515.0	2382.9	2245.9	2111.6	1975.3	1839.9	1710.7	1584.1	1455.9	1329.9	1216.7
-65°	2265.2	2152.8	2032.1	1909.8	1789.1	1670.8	1553.7	1439.5	1330.5	1224.8	1114.7
-67.5°	2017.5	1918.4	1814.3	1708.9	1606.1	1506.7	1406.0	1306.7	1206.9	1109.6	1006.9
-70°	1757.7	1675.8	1591.2	1505.1	1418.6	1333.0	1244.1	1154.4	1067.6	981.6	890.6
-72.5°	1484.8	1417.4	1347.8	1277.4	1208.4	1138.9	1064.6	987.0	911.9	839.8	765.4
-75°	1202.6	1147.0	1090.4	1035.9	981.4	927.4	870.8	809.0	748.7	690.2	630.4
-77.5°	916.4	872.1	828.3	790.0	751.7	713.6	673.5	626.6	580.4	534.8	488.3
-80°	634.2	606.1	578.2	554.6	529.7	503.8	475.6	441.7	408.0	376.8	347.1
-82.5°	387.5	373.3	358.3	344.5	329.9	314.5	298.0	278.4	258.9	239.5	219.9
-85°	193.9	187.4	180.5	174.9	168.8	162.2	155.0	146.3	137.0	127.4	117.2
-87.5°	71.2	68.6	66.0	64.1	62.1	60.0	57.8	54.7	51.5	48.4	45.3
-90°	2.9	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



REPORT NUMBER: P701432 (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°
90°	10.0	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.5	7.2
87.5°	6.0	7.0	7.8	8.6	8.1	7.7	7.4	7.0	7.0	6.9	6.8
85°	11.2	11.6	12.1	12.7	11.9	10.9	10.1	9.4	9.4	9.3	9.1
82.5°	19.2	18.2	17.6	17.3	17.0	16.4	15.3	13.9	12.4	11.7	11.3
80°	33.8	30.1	26.9	24.1	22.5	21.9	21.1	19.5	16.3	14.1	12.9
77.5°	47.0	41.9	37.3	32.8	28.9	26.1	24.7	23.8	20.0	16.4	14.0
75°	58.7	52.1	46.0	40.1	34.5	30.0	26.8	24.5	21.4	18.4	15.0
72.5°	66.5	59.8	53.4	46.6	39.4	33.4	28.6	25.2	22.0	18.9	15.8
70°	72.4	65.9	59.1	51.3	43.5	36.3	30.3	26.2	22.6	19.4	16.2
67.5°	76.4	68.5	61.8	55.2	47.2	39.2	31.7	27.2	23.5	19.8	16.6
65°	68.6	65.9	62.6	55.7	49.0	41.9	33.9	28.5	24.3	20.6	16.9
62.5°	58.4	58.7	56.7	54.5	49.2	42.5	36.0	30.6	25.3	21.3	17.4
60°	45.7	48.4	50.2	49.4	47.1	42.4	36.8	32.5	27.0	21.9	17.9
57.5°	37.8	38.9	41.7	43.8	43.1	40.5	37.2	33.5	28.6	23.1	18.5
55°	32.7	34.4	35.5	37.1	38.7	37.4	36.9	34.1	29.9	24.3	19.3
52.5°	32.6	33.2	33.4	32.9	33.6	34.8	35.4	34.7	30.5	25.4	20.6
50°	33.9	36.9	35.0	32.6	30.0	31.9	34.0	33.7	31.1	26.3	22.0
47.5°	40.0	44.2	41.8	35.1	31.1	29.5	32.2	32.7	31.7	26.9	23.4
45°	56.6	55.9	52.2	44.1	34.2	31.6	30.6	31.8	31.0	28.3	24.7
42.5°	79.1	75.9	67.8	54.7	47.8	36.0	29.5	30.9	30.4	30.0	26.2
40°	118.6	102.0	88.2	80.1	68.3	41.8	33.8	30.2	30.1	31.6	27.7
37.5°	165.0	140.0	116.1	116.6	96.3	65.1	39.4	29.9	31.9	32.9	29.4
35°	232.5	188.6	173.7	166.2	136.7	92.5	45.8	32.1	34.4	34.7	31.2
32.5°	310.2	283.0	273.0	229.1	183.9	123.9	64.7	41.3	37.6	36.9	33.1
30°	493.5	450.0	403.4	301.9	240.2	168.0	95.7	50.6	41.6	39.4	35.0
27.5°	789.0	647.9	563.9	420.1	309.1	218.4	134.6	60.2	46.2	42.4	37.0
25°	1107.9	909.9	755.6	569.5	384.3	296.5	178.2	70.8	53.3	46.1	39.2
22.5°	1468.0	1193.1	967.9	737.0	503.8	387.1	234.3	105.0	61.4	50.1	41.5
20°	1833.1	1480.4	1209.3	943.5	659.5	490.0	305.0	141.3	69.4	54.4	43.9
17.5°	2215.0	1845.7	1539.1	1179.5	833.9	598.4	381.4	178.8	77.4	58.9	46.4
15°	2799.0	2310.5	1893.2	1436.9	1006.7	710.7	461.9	216.9	85.2	63.5	51.5
12.5°	3406.0	2784.0	2262.6	1709.4	1176.3	825.1	544.6	254.8	92.7	73.2	59.9
10°	3997.6	3259.7	2640.0	1989.7	1340.8	939.6	627.4	304.9	115.5	87.1	68.5
7.5°	4568.7	3730.7	3017.6	2270.2	1511.4	1090.0	777.4	382.6	141.3	101.1	77.1
5°	5082.3	4144.0	3374.2	2564.4	1744.2	1275.3	937.6	459.9	167.4	115.2	85.7
2.5°	5427.5	4459.2	3702.1	2839.1	1966.2	1453.6	1093.3	534.4	193.4	129.1	94.2
0°	5733.8	4743.9	4003.4	3088.2	2175.3	1623.5	1239.4	603.6	218.5	142.6	102.3
-2.5°	5811.3	4814.4	4096.5	3240.6	2351.3	1778.8	1371.4	710.4	299.9	193.0	134.3
-5°	5848.1	4861.1	4166.0	3367.8	2510.8	1923.5	1487.5	808.0	378.5	242.0	165.5
-7.5°	5855.9	4898.5	4203.0	3459.3	2652.6	2056.8	1586.4	895.0	452.6	288.8	195.4
-10°	5829.1	4913.6	4192.9	3435.5	2661.5	2111.8	1652.4	970.2	520.8	332.7	223.5
-12.5°	5766.7	4894.1	4157.9	3382.7	2629.9	2091.4	1609.7	998.6	579.5	373.1	249.6
-15°	5670.6	4837.8	4098.2	3299.7	2578.3	2057.7	1561.4	1003.1	615.3	408.4	273.1
-17.5°	5492.5	4742.7	4014.0	3185.8	2506.2	2010.0	1509.9	1001.4	646.0	438.9	295.4
-20°	5114.7	4500.9	3898.4	3040.6	2413.0	1947.9	1457.5	994.5	671.3	465.2	316.3



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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°	4713.6	4158.9	3590.4	2913.0	2314.6	1871.0	1406.4	982.9	690.8	487.1	334.1
-25°	4283.1	3811.6	3266.7	2704.4	2219.4	1791.3	1367.9	967.3	704.6	504.4	348.7
-27.5°	3880.1	3461.3	2962.4	2498.5	2084.6	1720.6	1338.0	977.1	715.9	516.7	359.8
-30°	3495.8	3132.4	2718.8	2308.6	1948.1	1627.1	1306.2	981.0	727.9	527.0	367.3
-32.5°	3218.5	2838.2	2497.4	2153.5	1828.5	1528.3	1244.8	977.6	733.2	534.2	373.1
-35°	2999.0	2620.3	2290.7	2000.2	1713.3	1435.5	1172.0	966.7	731.7	536.4	375.9
-37.5°	2772.2	2433.3	2126.4	1858.1	1594.9	1339.0	1111.0	919.6	723.2	533.4	375.0
-40°	2560.6	2249.2	1973.1	1726.2	1482.3	1238.8	1045.4	872.3	713.0	525.3	370.5
-42.5°	2341.5	2070.6	1823.2	1591.6	1369.8	1161.3	977.1	822.0	678.7	514.9	362.2
-45°	2135.0	1890.2	1671.4	1465.4	1258.8	1079.8	918.3	770.1	639.3	500.9	351.9
-47.5°	1925.4	1720.4	1526.5	1337.2	1164.9	998.8	856.4	723.9	597.9	481.6	340.5
-50°	1738.3	1558.5	1388.5	1226.2	1067.4	927.9	794.7	675.6	560.0	447.9	325.7
-52.5°	1578.7	1412.1	1264.6	1120.0	985.2	854.2	739.4	625.9	520.4	416.3	307.5
-55°	1435.1	1281.6	1150.5	1026.4	904.9	789.7	682.1	580.4	479.3	384.7	286.7
-57.5°	1311.6	1163.9	1050.6	939.1	831.9	727.1	627.8	533.4	440.7	351.5	267.7
-60°	1195.7	1070.3	956.7	860.1	762.9	666.7	574.8	486.4	401.7	318.0	244.0
-62.5°	1099.4	980.0	874.6	784.8	696.6	609.1	521.2	441.2	361.2	286.9	217.8
-65°	1003.8	896.1	794.0	714.2	632.8	550.1	469.9	394.5	322.0	254.1	192.1
-67.5°	905.9	809.7	721.1	644.4	566.1	489.8	416.7	347.4	281.7	219.8	169.4
-70°	802.2	719.9	640.9	566.6	495.5	426.8	360.9	298.9	239.8	190.3	145.7
-72.5°	689.4	617.4	549.6	485.0	420.6	359.8	302.7	249.9	202.8	159.8	120.9
-75°	568.4	508.2	451.0	396.0	341.8	290.9	246.1	204.5	164.6	128.1	98.5
-77.5°	438.8	391.8	347.3	306.1	264.6	226.0	190.6	157.7	126.9	100.5	76.5
-80°	313.9	281.4	249.7	218.7	187.9	159.7	137.4	115.9	93.3	72.6	54.0
-82.5°	196.4	176.7	158.5	140.8	123.3	106.5	90.5	75.2	59.0	44.3	35.7
-85°	105.7	94.6	83.9	73.5	62.9	52.7	47.8	42.9	36.9	31.3	26.3
-87.5°	43.0	40.8	38.5	36.2	33.4	30.7	28.1	25.5	22.3	19.4	16.7
-90°	3.7	4.0	4.3	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	6.3	6.0	5.7	5.2	4.6
87.5°	6.7	6.1	5.7	5.3	5.0	4.8	4.6
85°	8.7	7.7	6.8	6.0	5.4	4.9	4.6
82.5°	10.8	9.2	7.9	6.7	5.8	5.1	4.6
80°	12.6	10.7	8.9	7.4	6.2	5.3	4.6
77.5°	12.8	11.7	10.0	8.1	6.6	5.5	4.6
75°	13.0	11.8	10.8	8.8	7.0	5.6	4.6
72.5°	13.2	11.8	10.7	9.4	7.3	5.8	4.6
70°	13.4	11.8	10.6	9.9	7.7	6.0	4.6
67.5°	13.8	11.8	10.6	9.8	8.0	6.1	4.6
65°	14.3	12.0	10.4	9.6	8.4	6.3	4.6
62.5°	14.7	12.4	10.3	9.5	8.7	6.4	4.6
60°	15.1	12.8	10.1	9.3	9.0	6.6	4.6
57.5°	15.8	13.1	10.4	9.1	9.0	6.7	4.6
55°	16.6	13.5	10.8	8.9	8.9	6.8	4.6
52.5°	17.3	13.9	11.1	8.7	8.8	7.0	4.6
50°	18.0	14.6	11.4	8.5	8.8	7.1	4.6
47.5°	18.8	15.2	11.6	8.4	8.8	7.2	4.6
45°	20.0	15.8	11.9	8.6	8.8	7.3	4.6
42.5°	21.2	16.4	12.1	8.8	8.8	7.4	4.6
40°	22.3	17.0	12.5	9.1	8.8	7.5	4.6
37.5°	23.4	17.6	12.9	9.6	8.8	7.6	4.6
35°	24.5	18.4	13.4	10.1	8.9	7.7	4.6
32.5°	25.7	19.2	13.8	10.6	8.9	7.7	4.6
30°	27.2	20.0	14.1	11.2	9.0	7.8	4.6
27.5°	28.7	20.8	15.3	11.7	9.1	7.9	4.6
25°	30.2	21.5	16.5	12.2	9.2	7.9	4.6
22.5°	31.7	22.8	17.9	12.8	9.3	8.0	4.6
20°	33.1	25.7	19.2	13.3	9.4	8.0	4.6
17.5°	37.0	28.7	20.6	13.9	9.5	8.0	4.6
15°	42.4	31.8	22.0	14.4	9.6	8.0	4.6
12.5°	47.9	35.0	23.4	14.9	9.7	8.0	4.6
10°	53.4	38.3	24.8	15.4	9.8	8.1	4.6
7.5°	58.9	41.5	26.2	15.9	10.0	8.0	4.6
5°	64.4	44.7	27.5	16.4	10.1	8.0	4.6
2.5°	69.6	47.7	28.7	16.8	10.2	8.0	4.6
0°	74.7	50.6	29.9	17.2	10.3	8.0	4.6
-2.5°	94.1	61.4	35.7	19.7	11.1	8.1	4.6
-5°	112.9	72.0	41.4	22.2	11.8	8.3	4.6
-7.5°	131.0	82.0	46.8	24.6	12.5	8.4	4.6
-10°	147.9	91.5	51.9	26.9	13.2	8.5	4.6
-12.5°	163.6	100.3	56.7	29.0	13.8	8.7	4.6
-15°	177.8	108.3	61.0	30.9	14.4	8.8	4.6
-17.5°	190.1	115.4	64.9	32.6	15.0	8.8	4.6
-20°	202.2	121.5	68.2	34.1	15.5	8.9	4.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	215.1	126.5	70.9	35.3	16.0	9.0	4.6
-25°	225.8	133.0	73.1	36.2	16.4	9.0	4.6
-27.5°	234.1	139.2	74.5	36.9	16.7	9.1	4.6
-30°	239.9	143.9	75.5	37.2	17.0	9.1	4.6
-32.5°	243.2	146.9	77.8	37.3	17.1	9.1	4.6
-35°	245.8	148.3	79.2	37.0	17.2	9.1	4.6
-37.5°	246.8	148.6	79.6	36.3	17.3	9.0	4.6
-40°	245.2	148.7	79.1	35.3	17.2	9.0	4.6
-42.5°	241.0	147.2	78.4	34.3	17.1	8.9	4.6
-45°	234.3	144.2	77.6	33.7	16.9	8.8	4.6
-47.5°	225.1	139.6	76.1	32.7	16.6	8.7	4.6
-50°	216.5	133.5	73.7	32.3	16.2	8.6	4.6
-52.5°	206.3	125.9	70.5	32.0	15.8	8.5	4.6
-55°	193.9	119.5	66.5	31.3	15.2	8.4	4.6
-57.5°	179.6	112.4	61.8	30.2	14.6	8.2	4.6
-60°	163.8	104.1	56.5	28.7	14.0	8.0	4.6
-62.5°	150.6	94.8	52.7	26.9	13.5	7.8	4.6
-65°	135.9	84.5	48.4	24.8	12.9	7.6	4.6
-67.5°	119.8	74.6	43.4	22.4	12.3	7.4	4.6
-70°	102.5	65.5	38.0	19.7	11.7	7.2	4.6
-72.5°	87.2	55.6	32.1	18.0	11.0	7.0	4.6
-75°	71.3	45.0	25.8	16.5	10.3	6.7	4.6
-77.5°	54.6	33.9	22.2	14.9	9.6	6.5	4.6
-80°	37.3	26.8	19.2	13.2	8.8	6.2	4.6
-82.5°	28.9	21.9	16.0	11.4	8.1	6.0	4.6
-85°	21.7	16.9	12.8	9.7	7.3	5.7	4.6
-87.5°	14.3	11.7	9.6	7.8	6.5	5.4	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

