

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: P701577 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701577 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-7F-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

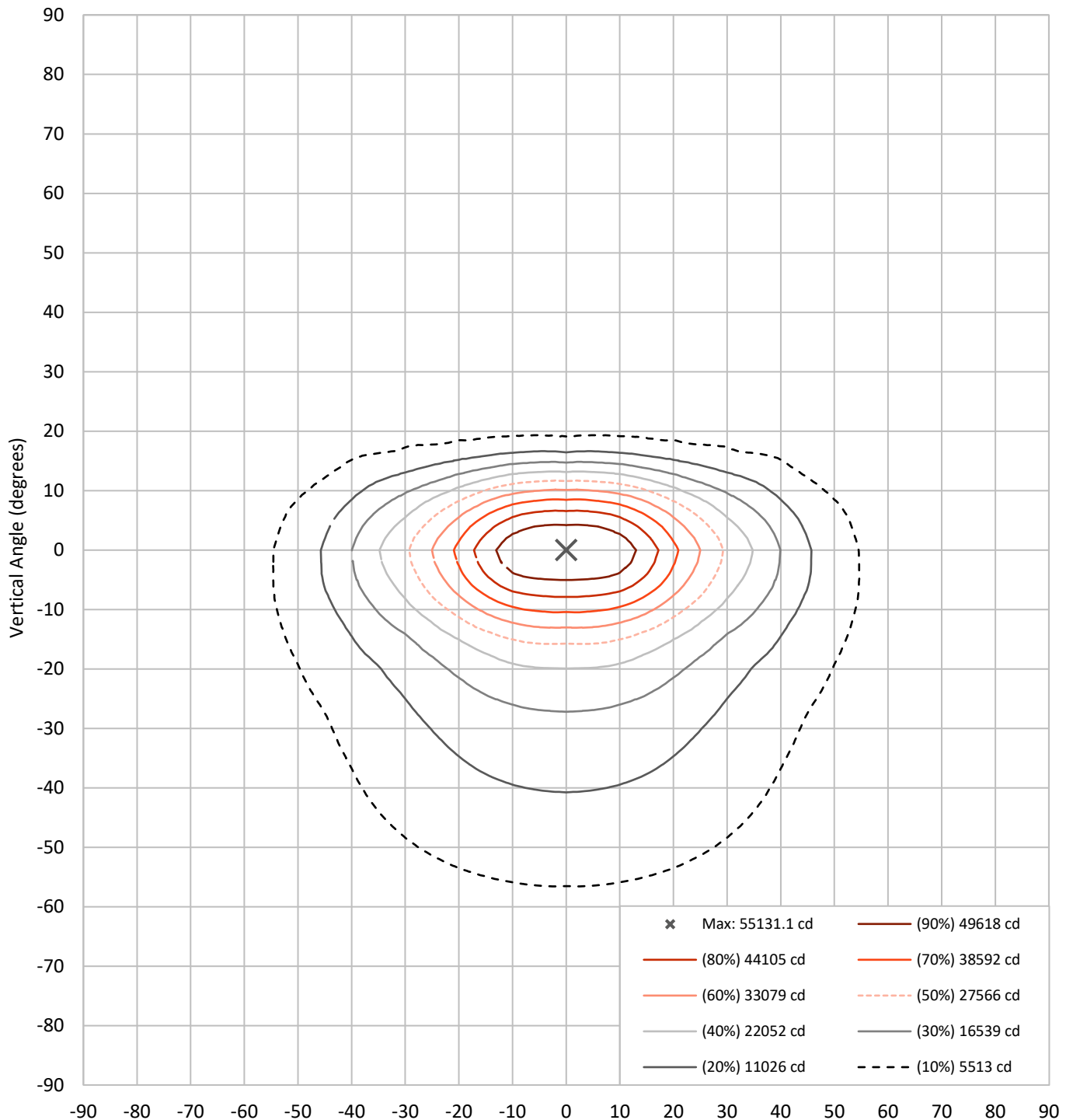
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	37095.8 lumens	Max Intensity:	55131.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.4 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:	14644 lumens	Field Lumens:	32645 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%

Input Watts (W): 658
Input Voltage (V): NR
Input Current (A_{in}): 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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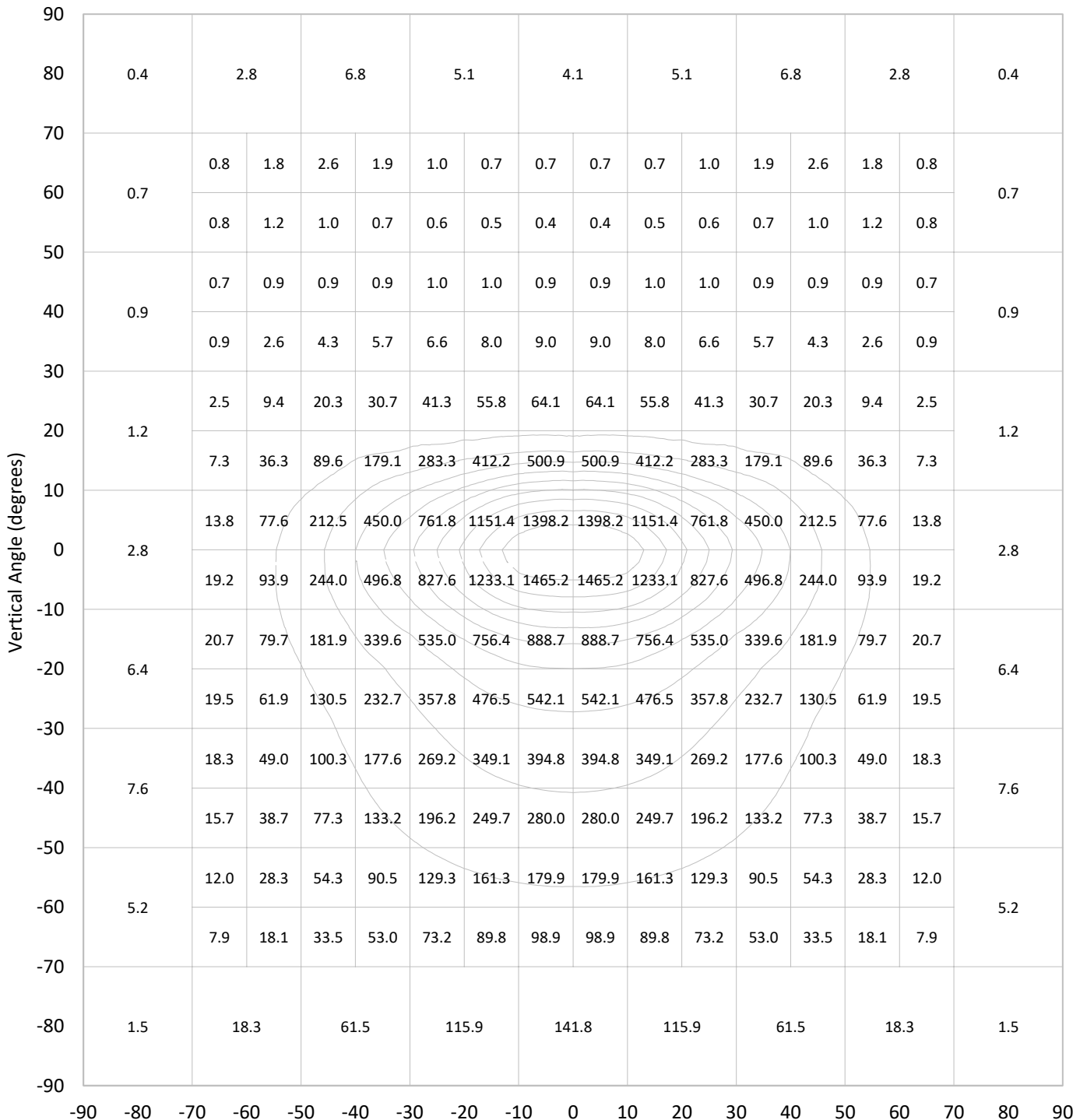
Iso-Candela Plot





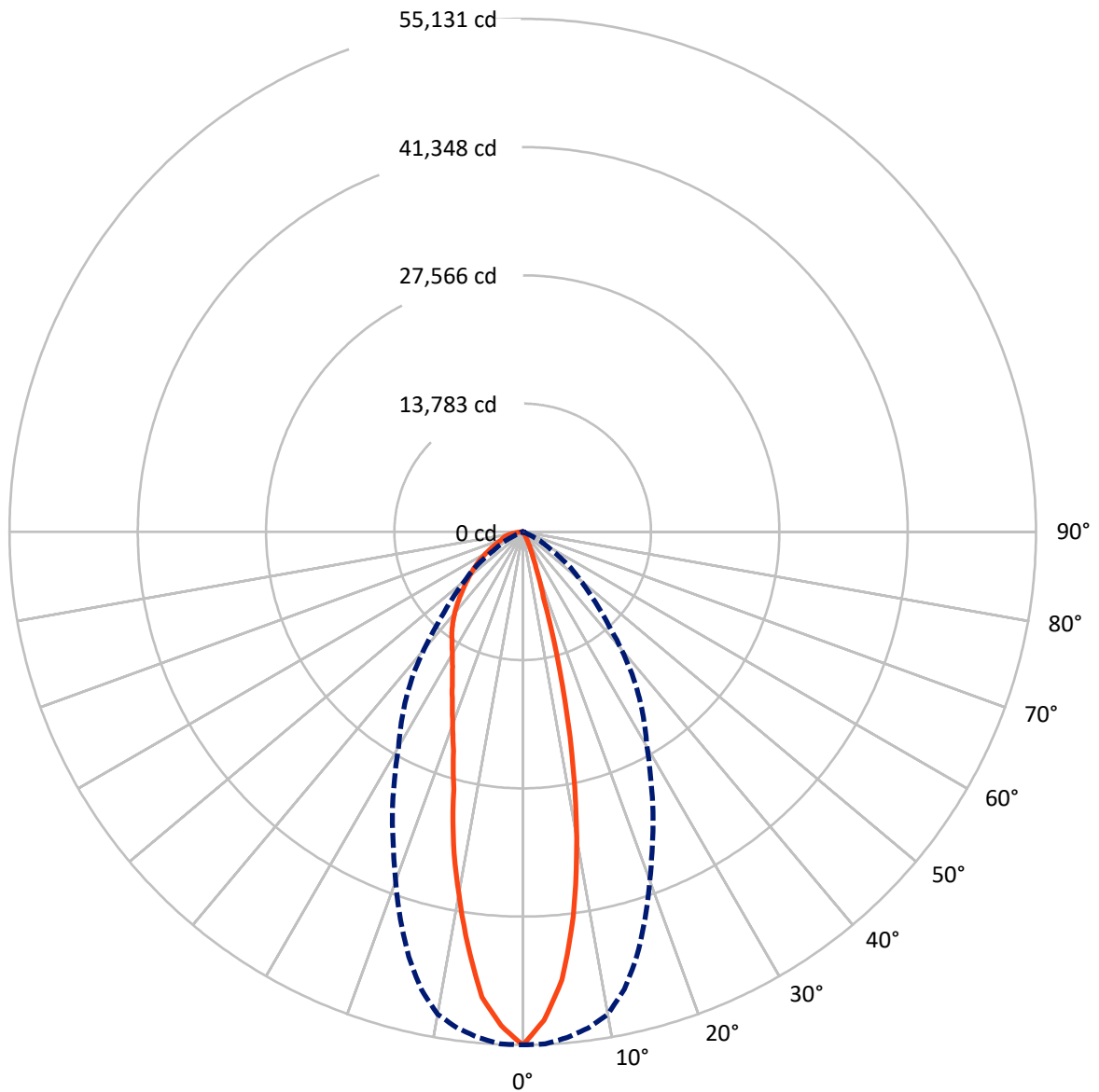
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Lumen Table



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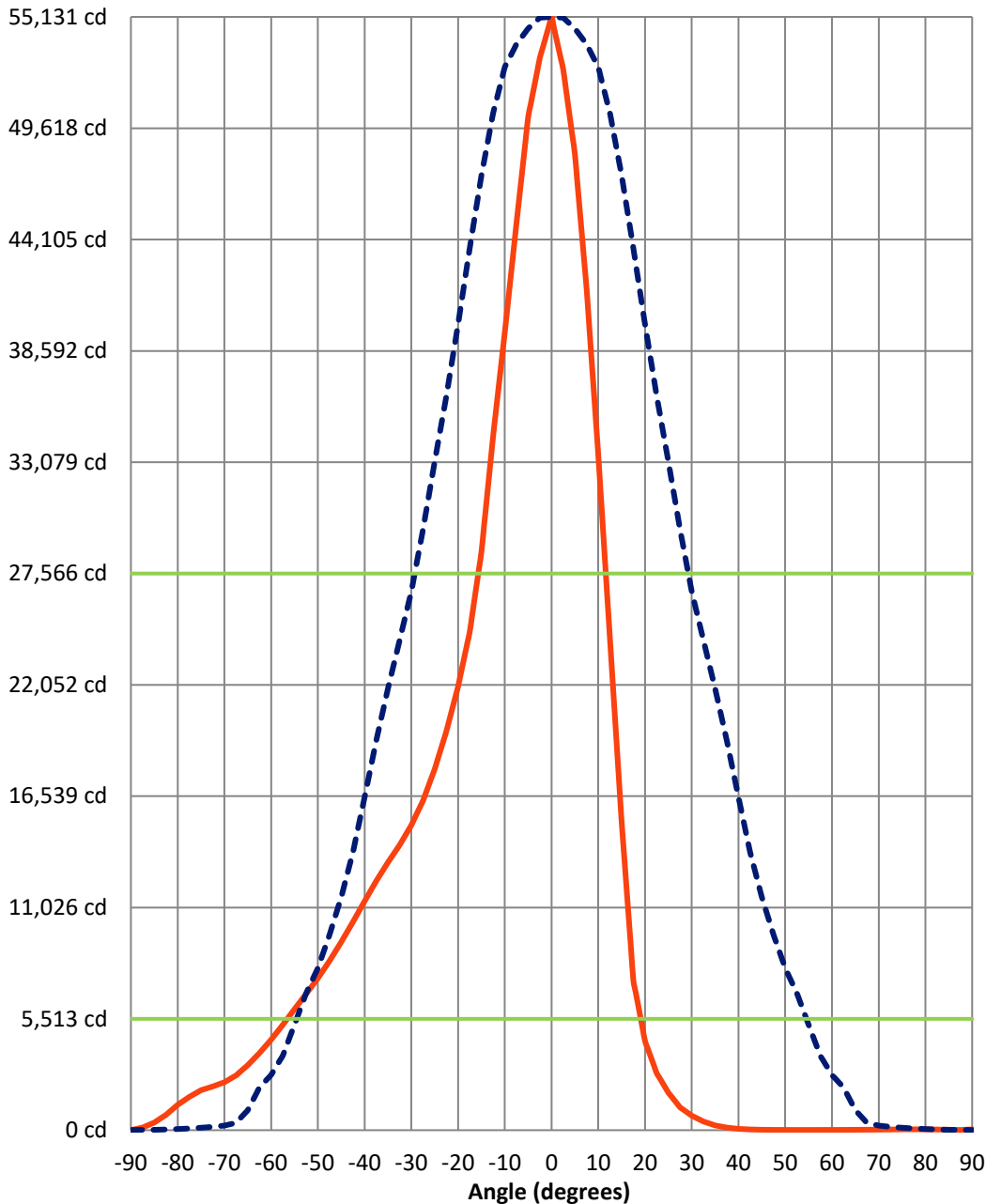
Luminous Intensity Polar Plot



— 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: 14644
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 32645
 Efficiency: 88.0%

Spill:
 Lumens: 4450.7
 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°	8.0	9.0	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
87.5°	8.0	8.3	8.9	9.5	10.3	11.1	12.1	12.4	12.4	12.4	12.2
85°	8.0	8.7	9.7	11.0	12.5	14.3	16.3	16.7	16.9	16.8	16.5
82.5°	8.0	9.0	10.6	12.5	14.7	17.3	20.3	21.1	21.5	23.1	26.0
80°	8.0	9.4	11.4	13.9	16.9	20.4	24.1	25.2	27.9	32.2	38.3
77.5°	8.0	9.7	12.3	15.4	19.1	22.7	26.0	29.0	33.9	41.0	48.0
75°	8.0	10.1	13.1	16.8	20.9	23.7	27.8	32.5	39.3	45.0	50.9
72.5°	8.0	10.4	13.9	18.2	21.2	24.6	29.4	35.4	41.2	47.3	53.6
70°	8.0	10.7	14.7	19.2	21.5	25.4	30.9	36.8	43.0	49.4	55.6
67.5°	8.0	11.0	15.4	19.2	21.8	26.1	32.1	38.1	44.6	51.0	57.4
65°	8.0	11.3	16.1	19.0	21.9	27.0	33.3	39.3	45.9	52.5	59.6
62.5°	8.0	11.6	16.8	18.9	22.0	28.1	34.4	40.4	47.1	54.1	63.1
60°	8.0	11.9	17.5	18.7	21.9	29.2	35.6	41.3	48.2	56.7	66.2
57.5°	8.0	12.1	17.3	18.4	22.8	30.2	36.9	42.3	49.9	59.0	67.3
55°	8.0	12.4	17.1	18.1	23.7	31.2	38.3	43.7	51.5	60.6	67.5
52.5°	8.0	12.6	17.0	17.7	24.5	32.3	39.7	45.6	52.9	60.7	67.6
50°	8.0	12.8	16.9	17.3	25.4	33.7	41.3	47.5	53.7	60.6	64.3
47.5°	8.0	13.0	16.8	17.1	26.2	35.0	42.8	49.4	53.5	60.4	61.0
45°	8.0	13.2	16.7	17.7	26.9	36.4	44.5	51.3	54.8	58.1	58.2
42.5°	8.0	13.4	16.7	18.2	27.6	37.8	46.2	52.9	56.3	56.0	55.5
40°	8.0	13.6	16.6	19.1	28.5	39.2	47.8	54.3	57.6	54.7	53.1
37.5°	8.0	13.7	16.6	20.1	29.6	40.6	49.4	55.9	58.7	56.1	51.2
35°	8.0	13.9	16.7	21.2	30.6	41.9	51.0	57.6	60.3	58.5	51.5
32.5°	8.0	14.0	16.7	22.3	31.6	43.2	52.5	59.4	62.3	62.3	61.6
30°	8.0	14.1	16.7	23.4	32.5	44.3	53.9	61.2	64.8	67.4	74.2
27.5°	8.0	14.1	16.8	24.4	34.5	45.4	55.3	63.1	68.1	73.7	89.2
25°	8.0	14.2	16.9	25.5	36.7	46.5	56.7	65.2	73.0	84.3	108.0
22.5°	8.0	14.3	17.0	26.5	38.9	48.2	58.1	67.6	78.5	97.8	169.4
20°	8.0	14.3	17.1	27.6	41.0	52.0	59.5	70.0	84.5	112.3	239.5
17.5°	8.0	14.3	17.2	28.6	43.2	56.0	64.7	72.7	91.0	127.7	316.4
15°	8.0	14.3	17.3	29.5	45.3	60.1	72.5	80.0	97.8	143.6	398.2
12.5°	8.0	14.3	17.4	30.4	47.3	64.2	80.6	93.5	113.5	159.8	482.7
10°	8.0	14.3	17.6	31.3	49.3	68.4	89.0	107.6	136.5	197.8	577.2
7.5°	8.0	14.2	17.7	32.1	51.2	72.5	97.5	121.9	159.8	239.7	689.7
5°	8.0	14.2	17.8	32.9	53.0	76.5	105.9	136.2	183.1	281.7	797.8
2.5°	8.0	14.1	17.9	33.5	54.6	80.4	114.2	150.5	206.1	322.9	898.7
0°	8.0	14.0	18.0	34.1	56.1	84.1	122.2	164.3	228.4	362.6	989.6
-2.5°	8.0	14.3	19.4	38.3	65.5	102.4	154.1	216.9	308.3	472.8	1101.0
-5°	8.0	14.6	20.8	42.3	74.7	120.1	185.2	268.2	386.0	579.2	1199.8
-7.5°	8.0	14.9	22.1	46.1	83.5	137.2	214.9	317.5	460.5	680.4	1286.2
-10°	8.0	15.1	23.4	49.8	91.8	153.3	243.1	364.0	530.8	775.3	1360.5
-12.5°	8.0	15.3	24.6	53.1	99.4	168.3	269.1	407.0	595.7	858.9	1390.8
-15°	8.0	15.6	25.7	56.2	106.4	181.9	292.7	445.9	648.6	909.7	1397.3
-17.5°	8.0	15.7	26.8	58.9	112.7	194.0	313.5	479.6	689.1	954.0	1397.5
-20°	8.0	15.9	27.8	61.2	118.0	204.3	333.1	508.9	724.7	991.4	1392.4



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.0	16.0	28.6	63.1	122.4	212.8	352.8	534.0	755.3	1021.6	1383.3
-25°	8.0	16.2	29.4	64.6	125.8	223.7	369.6	554.7	780.5	1044.4	1371.0
-27.5°	8.0	16.2	30.0	65.6	128.1	234.2	383.3	570.7	800.1	1063.2	1389.8
-30°	8.0	16.3	30.6	66.1	129.7	242.4	393.8	581.8	815.8	1081.9	1400.9
-32.5°	8.0	16.3	31.0	66.2	133.9	248.2	401.0	591.7	826.2	1093.4	1402.4
-35°	8.0	16.3	31.2	65.6	136.5	251.5	406.6	598.2	830.0	1097.6	1394.2
-37.5°	8.0	16.3	31.3	64.6	137.6	253.0	409.3	600.1	827.1	1094.4	1348.7
-40°	8.0	16.2	31.3	63.0	137.0	253.5	408.2	597.2	817.4	1084.2	1301.0
-42.5°	8.0	16.1	31.2	61.4	136.0	251.4	403.4	589.7	806.5	1040.2	1246.6
-45°	8.0	15.9	30.9	60.4	134.8	246.8	394.9	578.2	792.1	987.7	1186.0
-47.5°	8.0	15.8	30.4	58.6	132.1	239.5	382.5	563.0	771.0	930.7	1121.7
-50°	8.0	15.6	29.8	58.0	128.0	229.6	369.0	542.7	725.3	878.0	1052.0
-52.5°	8.0	15.3	29.1	57.4	122.5	217.3	352.3	517.6	677.0	820.6	978.3
-55°	8.0	15.1	28.2	56.2	115.7	206.2	332.0	488.1	626.0	758.6	906.9
-57.5°	8.0	14.8	27.2	54.4	107.5	193.9	308.4	456.8	572.1	695.4	830.3
-60°	8.0	14.5	26.1	52.0	98.4	179.5	282.2	415.0	516.7	629.8	751.0
-62.5°	8.0	14.1	25.1	49.2	92.4	163.3	259.1	369.3	464.2	561.2	672.4
-65°	8.0	13.7	24.1	45.8	85.4	145.3	233.4	324.9	410.3	498.3	590.4
-67.5°	8.0	13.3	22.9	41.9	77.6	128.9	205.4	286.1	355.0	435.9	516.6
-70°	8.0	12.9	21.7	37.6	68.9	114.5	175.2	246.6	310.5	372.3	445.7
-72.5°	8.0	12.5	20.4	34.4	59.6	98.9	150.7	206.5	265.6	322.5	377.2
-75°	8.0	12.0	19.0	31.4	49.6	82.3	125.9	170.7	220.0	272.4	322.9
-77.5°	8.0	11.5	17.6	28.2	42.9	64.8	99.7	135.4	175.4	220.6	268.0
-80°	8.0	11.1	16.2	24.8	36.9	52.2	72.5	99.2	129.7	164.4	203.2
-82.5°	8.0	10.6	14.6	21.3	30.6	42.3	56.6	68.6	83.1	107.0	134.0
-85°	8.0	10.0	13.1	17.8	24.1	32.2	41.9	50.0	58.7	68.1	78.1
-87.5°	8.0	9.5	11.6	14.2	17.6	21.9	27.0	31.3	35.9	40.9	46.1
-90°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.5	15.0	15.5	16.0	17.5	19.0	20.5	22.0	24.5	27.1	29.6
87.5°	13.1	14.0	15.0	16.0	15.3	14.4	13.4	12.3	13.2	14.1	15.1
85°	18.1	20.0	22.5	24.6	24.5	24.6	25.0	25.7	27.4	28.8	30.0
82.5°	29.4	32.0	33.9	35.1	36.9	39.3	42.5	47.2	49.8	51.5	52.5
80°	42.0	44.2	46.0	49.3	55.3	62.1	69.6	77.7	80.4	80.7	79.9
77.5°	50.3	53.6	59.1	66.6	75.5	84.2	93.6	103.6	106.5	105.9	104.4
75°	55.7	62.3	70.5	80.7	91.6	102.8	114.5	125.3	128.4	125.2	120.9
72.5°	60.0	68.5	79.5	93.0	105.2	116.6	128.7	141.6	146.1	139.1	130.4
70°	63.0	73.9	87.1	101.2	115.1	127.5	138.9	151.3	158.3	146.5	129.2
67.5°	65.5	78.9	93.3	107.9	120.5	132.2	145.2	149.2	150.9	132.9	114.3
65°	69.1	83.5	96.7	109.5	123.1	127.0	129.7	132.5	129.6	109.1	88.9
62.5°	72.7	84.7	97.2	107.1	110.4	112.4	110.1	104.7	97.6	83.4	66.9
60°	73.8	84.3	92.5	95.5	96.4	92.3	86.0	79.5	72.0	60.3	49.0
57.5°	74.2	79.6	82.7	83.3	79.5	72.8	66.6	58.3	52.0	44.6	35.5
55°	72.5	71.4	72.9	70.4	64.8	57.8	50.5	44.8	37.4	33.0	27.6
52.5°	67.5	64.6	63.3	59.3	53.0	46.6	40.6	35.2	30.8	26.0	22.6
50°	63.0	59.2	55.0	50.2	45.4	41.1	34.3	30.4	26.8	23.1	20.1
47.5°	58.9	54.4	48.2	44.1	43.6	40.9	34.3	28.4	25.1	25.0	22.3
45°	55.3	51.5	44.3	45.1	46.3	46.2	41.5	27.8	30.9	31.6	30.0
42.5°	52.1	50.6	52.6	47.9	55.4	59.5	55.9	46.6	41.5	46.0	47.9
40°	52.5	51.8	69.3	68.8	69.8	80.7	86.0	79.3	61.0	72.4	77.6
37.5°	54.6	72.8	94.5	101.6	95.3	113.8	125.0	132.7	118.4	109.1	125.2
35°	58.0	99.0	131.4	146.6	147.4	158.1	187.2	199.1	189.6	175.0	187.9
32.5°	75.7	130.4	175.0	200.8	224.6	235.6	261.5	273.8	284.2	284.3	278.8
30°	113.4	171.8	225.7	260.9	318.1	370.0	358.7	361.3	399.7	438.7	457.6
27.5°	177.6	223.1	282.2	345.8	433.1	534.0	552.1	500.8	553.0	625.1	689.1
25°	258.4	378.2	342.4	447.0	592.2	732.3	806.7	842.2	771.0	875.9	1027.1
22.5°	370.1	574.9	576.7	557.3	771.1	966.9	1150.4	1326.1	1417.1	1303.1	1460.4
20°	520.6	785.2	869.9	964.0	1038.7	1233.7	1550.4	1933.9	2285.1	2484.0	2392.8
17.5°	693.6	1014.8	1209.3	1461.1	1709.7	1816.2	2017.9	2646.0	3327.8	3908.3	4220.4
15°	884.0	1260.1	1576.4	2009.3	2456.5	2793.7	3143.1	3682.7	4582.8	5575.9	6370.9
12.5°	1086.4	1517.0	1964.2	2596.9	3261.3	3815.7	4438.8	5259.4	6297.8	7536.5	8831.5
10°	1295.0	1781.0	2365.2	3210.7	4107.1	4868.3	5759.8	6836.3	8162.2	9705.6	11333.2
7.5°	1516.0	2039.2	2760.4	3836.5	4975.1	5935.7	7088.5	8398.4	10007.3	11842.0	13804.1
5°	1730.1	2282.9	3089.9	4339.8	5679.5	6836.5	8299.0	9924.5	11811.1	13921.4	16233.7
2.5°	1929.8	2516.2	3402.0	4800.4	6251.1	7452.4	9018.2	10766.0	12894.2	15382.2	18056.6
0°	2109.5	2736.5	3692.1	5224.6	6779.2	8025.3	9678.0	11537.1	13754.7	16485.2	19295.9
-2.5°	2187.4	2851.4	3822.8	5287.8	6766.1	8035.7	9625.9	11522.5	13661.1	16264.4	19021.3
-5°	2242.5	2948.5	3925.9	5310.7	6709.3	7998.2	9514.9	11420.7	13363.7	15679.3	18149.2
-7.5°	2277.3	3025.6	4000.2	5271.7	6524.0	7704.4	9023.8	10647.1	12418.8	14480.0	16654.5
-10°	2284.7	3017.3	3888.6	5018.0	6164.1	7246.4	8422.2	9831.8	11416.0	13218.6	15109.2
-12.5°	2213.7	2933.8	3731.2	4746.1	5791.4	6770.6	7800.1	8997.8	10370.7	11920.4	13594.0
-15°	2136.7	2839.3	3562.1	4462.7	5415.2	6285.1	7168.5	8161.8	9379.9	10791.7	12235.1
-17.5°	2057.5	2735.3	3384.6	4174.1	5043.8	5797.5	6570.7	7514.1	8605.6	9795.3	10970.1
-20°	1979.8	2623.5	3202.0	3886.0	4682.9	5394.5	6148.6	6977.5	7893.8	8863.4	9797.4



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1906.9	2505.4	3033.3	3644.4	4372.8	5055.2	5728.7	6440.8	7199.7	7984.6	8970.2
-25°	1858.0	2391.9	2886.0	3452.6	4081.7	4711.5	5305.6	5917.7	6570.9	7439.2	8352.0
-27.5°	1827.6	2295.3	2756.7	3260.1	3803.0	4372.4	4910.0	5450.1	6178.2	6959.5	7767.3
-30°	1797.7	2199.2	2621.9	3078.1	3572.3	4066.2	4529.1	5139.2	5818.2	6533.0	7251.5
-32.5°	1740.9	2098.3	2499.0	2921.2	3358.0	3785.6	4268.9	4869.0	5491.7	6120.1	6768.7
-35°	1670.5	2009.3	2378.5	2761.8	3153.4	3576.4	4066.4	4594.5	5166.7	5751.3	6391.3
-37.5°	1609.0	1912.4	2253.6	2611.0	2977.9	3394.5	3844.9	4338.5	4859.8	5406.6	6017.6
-40°	1540.8	1808.0	2135.3	2470.5	2815.0	3204.2	3628.6	4077.0	4557.0	5079.7	5628.1
-42.5°	1467.7	1725.1	2013.5	2326.2	2653.8	3009.8	3395.2	3816.9	4264.7	4740.6	5242.9
-45°	1399.7	1635.8	1889.7	2181.7	2484.7	2808.5	3165.8	3544.3	3968.7	4406.9	4859.4
-47.5°	1324.3	1542.7	1783.1	2027.4	2311.2	2609.7	2926.4	3284.6	3659.5	4066.4	4484.2
-50°	1242.9	1450.2	1661.8	1885.4	2133.6	2406.4	2695.8	3018.1	3365.1	3720.5	4096.3
-52.5°	1159.2	1349.7	1541.2	1740.3	1961.8	2204.2	2467.3	2752.6	3064.9	3390.8	3715.1
-55°	1069.9	1245.9	1416.2	1597.3	1790.4	2006.3	2238.7	2493.0	2755.0	3051.8	3337.6
-57.5°	979.8	1134.7	1289.6	1454.0	1626.1	1806.9	2018.6	2233.9	2470.2	2714.3	2952.2
-60°	886.5	1021.6	1159.5	1308.0	1463.4	1627.2	1799.6	1991.8	2191.8	2389.3	2599.0
-62.5°	789.6	908.9	1030.2	1157.5	1297.2	1444.7	1598.7	1759.0	1923.9	2095.6	2265.0
-65°	696.3	797.3	903.2	1014.6	1126.6	1261.7	1398.1	1532.9	1677.1	1816.2	1952.0
-67.5°	601.3	697.0	786.0	872.9	976.2	1092.3	1199.3	1321.5	1442.3	1556.6	1667.2
-70°	522.5	599.1	680.9	759.5	840.8	939.5	1044.6	1141.8	1233.2	1329.1	1432.7
-72.5°	446.6	520.6	589.0	651.8	734.2	826.5	912.7	992.9	1080.1	1171.2	1255.0
-75°	377.2	441.7	508.4	570.3	638.8	719.4	806.3	887.9	962.0	1035.8	1112.1
-77.5°	310.3	358.8	415.0	478.4	546.4	609.1	677.7	751.7	821.0	891.3	965.8
-80°	238.2	272.8	311.0	354.9	405.5	460.8	520.3	583.5	638.9	689.8	740.0
-82.5°	160.3	186.7	213.4	240.3	268.5	298.3	331.2	371.5	407.4	443.4	480.0
-85°	88.7	99.9	118.1	136.6	152.3	168.9	186.4	204.7	221.8	238.5	254.8
-87.5°	51.7	57.5	63.6	70.0	74.2	78.2	82.1	85.8	90.6	95.3	99.9
-90°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	32.1	32.6	33.1	33.6	34.1	35.6	37.1	38.6	40.1	39.6	39.1
87.5°	16.2	15.9	15.7	15.4	15.1	16.6	18.1	19.8	21.4	19.6	17.8
85°	30.8	31.0	31.0	30.9	30.7	32.8	34.9	36.9	38.8	35.9	32.6
82.5°	52.9	51.9	50.1	47.6	44.5	43.8	42.9	41.7	40.2	38.5	37.0
80°	78.5	74.7	69.9	64.2	57.8	54.5	51.3	47.8	43.9	42.7	41.9
77.5°	101.2	94.4	86.0	77.0	67.4	61.7	56.8	51.7	46.5	45.4	44.9
75°	115.6	106.8	94.7	82.2	69.3	61.2	55.3	49.6	44.0	42.3	41.5
72.5°	120.0	107.7	93.7	78.0	62.8	53.3	47.8	42.9	38.5	36.7	35.9
70°	112.3	95.9	80.3	65.3	51.3	42.5	38.6	35.3	32.4	31.1	30.7
67.5°	94.9	77.7	63.1	50.5	40.4	33.9	31.7	29.6	27.8	26.7	25.9
65°	72.1	58.6	48.0	39.6	33.1	29.1	27.3	25.6	24.0	22.8	21.9
62.5°	52.9	43.2	36.9	32.0	28.3	25.6	23.9	22.5	21.3	20.4	19.6
60°	40.0	33.2	29.3	26.2	23.8	22.1	21.1	20.2	19.3	18.5	17.7
57.5°	30.5	26.4	23.5	22.1	21.0	20.2	19.4	18.4	17.5	16.6	15.8
55°	24.0	22.0	20.3	19.9	19.4	18.7	17.8	17.0	16.0	14.8	13.9
52.5°	20.2	20.0	20.0	19.7	19.1	18.5	17.9	16.7	15.5	14.2	13.5
50°	20.0	20.1	20.2	19.8	19.3	18.7	18.1	17.2	16.4	15.6	15.0
47.5°	20.8	21.0	22.2	20.3	20.0	20.5	20.2	19.4	19.2	18.7	18.2
45°	24.4	28.7	29.8	28.2	24.7	27.5	26.6	23.5	25.3	25.1	23.5
42.5°	43.6	48.1	51.6	49.4	42.3	44.6	44.6	39.9	41.2	41.3	39.5
40°	83.1	81.4	87.2	84.9	77.2	74.3	77.6	72.1	71.1	73.8	70.5
37.5°	136.7	137.7	135.1	135.4	132.7	125.2	129.7	128.2	123.6	132.2	133.2
35°	213.8	220.4	199.5	207.8	211.4	203.3	208.4	223.0	213.6	233.8	239.3
32.5°	317.0	330.7	320.9	311.4	327.1	339.7	345.5	376.4	384.6	402.9	424.6
30°	444.2	479.9	508.1	490.5	488.6	532.9	558.4	600.0	640.3	664.5	708.6
27.5°	708.9	697.9	765.0	784.8	740.7	811.6	907.7	926.1	1048.8	1058.7	1144.5
25°	1120.4	1114.7	1134.8	1232.2	1256.9	1292.4	1457.5	1544.6	1685.4	1761.4	1827.2
22.5°	1672.9	1829.1	1855.7	1811.1	2024.8	2164.5	2210.7	2461.7	2576.5	2747.8	2799.3
20°	2364.0	2727.3	3186.0	3193.3	3105.3	3508.0	3674.8	3806.7	4087.2	4282.6	4415.1
17.5°	4175.8	4173.0	5110.1	5627.8	5569.3	5859.2	6679.3	6594.8	7257.4	7659.1	7676.0
15°	6834.9	7330.4	7925.1	8864.2	9663.4	10307.7	11086.5	12104.0	12928.0	13895.8	14630.5
12.5°	9876.9	10852.9	11870.7	12941.9	14196.3	15620.7	17169.9	18526.2	20139.6	21551.6	23011.5
10°	12924.8	14470.7	15907.2	17508.1	19290.9	21188.4	23460.4	25445.5	27832.2	29925.4	31301.4
7.5°	15719.7	17574.2	19515.6	21842.7	24331.1	26713.8	29286.0	32070.3	34862.4	37281.0	39334.6
5°	18451.5	20536.2	22688.1	25251.4	28095.2	31080.8	34263.6	37556.5	40482.2	43237.3	45635.2
2.5°	20594.5	22982.5	25440.9	28339.5	31399.0	34424.7	37610.9	41155.7	44558.3	47780.5	50244.0
0°	21868.1	24264.1	26676.1	29747.2	33106.7	36358.1	39910.0	43684.2	47276.1	50357.2	52641.0
-2.5°	21360.7	23694.5	26131.7	29165.7	32402.4	35431.9	38825.6	42481.6	45960.5	49081.0	51451.2
-5°	20213.5	22307.4	24541.5	27346.9	30374.8	33384.7	36711.7	40189.7	43190.9	45960.6	48085.8
-7.5°	18600.4	20532.1	22615.6	25213.0	27997.4	30625.9	33345.4	36151.3	38882.4	41251.3	42999.9
-10°	16887.2	18635.8	20429.4	22512.3	24885.4	27179.5	29474.1	32033.4	34284.3	36239.9	37681.9
-12.5°	15169.1	16605.5	18020.5	19613.2	21649.5	23714.2	25698.8	27844.8	29637.6	31251.0	32533.8
-15°	13519.9	14638.2	15711.8	17253.4	19046.5	20571.3	21792.5	23736.2	24953.3	26387.5	27284.4
-17.5°	11987.1	12880.0	14184.8	15509.9	16789.3	18042.4	19451.4	20602.2	21796.8	22968.3	23739.1
-20°	10781.0	11885.4	12988.3	14065.9	15165.0	16361.1	17476.5	18564.0	19605.1	20505.4	21123.3



REPORT NUMBER: P701577 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9995.9	10976.4	11904.7	12874.5	13945.1	14949.6	15892.0	16893.3	17783.5	18455.8	18958.5
-25°	9242.0	10094.7	10997.9	11968.2	12874.1	13719.5	14587.3	15360.3	16119.9	16679.6	17150.1
-27.5°	8562.6	9371.5	10261.4	11121.3	11928.9	12718.9	13456.4	14096.7	14729.6	15177.3	15645.1
-30°	7971.5	8790.8	9600.2	10364.6	11123.1	11838.9	12489.2	13097.1	13628.1	14064.2	14456.4
-32.5°	7525.1	8268.1	8988.8	9704.0	10422.8	11082.7	11651.9	12235.9	12724.4	13142.5	13497.7
-35°	7083.7	7782.3	8448.5	9103.8	9765.4	10401.7	10952.8	11461.3	11942.2	12316.4	12641.8
-37.5°	6653.2	7304.6	7921.0	8510.4	9115.7	9702.3	10205.0	10682.7	11112.5	11458.3	11767.1
-40°	6219.6	6816.3	7367.4	7916.5	8460.4	8951.9	9424.4	9864.4	10232.7	10551.5	10832.5
-42.5°	5771.5	6296.9	6794.0	7296.6	7793.4	8228.3	8645.4	9040.6	9354.0	9636.6	9879.9
-45°	5321.8	5784.1	6239.6	6691.1	7099.8	7501.4	7879.5	8213.2	8495.8	8746.0	8957.1
-47.5°	4888.9	5281.9	5698.6	6110.4	6461.5	6805.3	7135.9	7418.9	7664.3	7883.2	8068.9
-50°	4456.3	4807.0	5170.5	5523.8	5845.9	6147.6	6424.7	6671.9	6895.6	7084.8	7244.1
-52.5°	4028.1	4353.7	4664.4	4951.7	5244.3	5521.8	5779.6	5995.7	6191.7	6366.6	6507.0
-55°	3619.3	3907.2	4197.7	4442.4	4678.9	4910.0	5124.7	5317.8	5495.4	5656.1	5781.9
-57.5°	3206.9	3458.0	3700.8	3920.2	4132.4	4336.3	4510.2	4661.5	4803.3	4933.2	5044.2
-60°	2808.9	3018.2	3223.2	3406.3	3583.1	3752.7	3900.9	4029.7	4143.9	4244.5	4335.5
-62.5°	2435.2	2615.0	2778.4	2926.2	3064.6	3202.9	3329.2	3440.6	3537.3	3620.1	3691.3
-65°	2091.6	2240.4	2371.1	2493.5	2608.4	2724.9	2826.3	2917.8	2999.2	3067.7	3122.5
-67.5°	1786.2	1902.6	2011.4	2106.2	2203.9	2303.1	2394.8	2474.9	2544.0	2598.6	2641.2
-70°	1528.6	1622.8	1720.4	1814.9	1907.9	1993.1	2072.5	2143.4	2206.5	2253.5	2291.2
-72.5°	1331.9	1411.4	1501.4	1596.7	1685.0	1769.8	1850.5	1925.5	1995.4	2040.2	2075.2
-75°	1190.6	1272.7	1353.2	1432.7	1510.9	1585.5	1660.6	1737.2	1814.6	1860.2	1896.8
-77.5°	1034.6	1092.2	1152.0	1216.9	1285.9	1352.7	1418.1	1482.7	1546.0	1577.7	1601.9
-80°	793.2	839.1	884.2	929.8	975.6	1022.7	1070.1	1117.2	1163.4	1184.8	1200.8
-82.5°	517.0	548.5	578.5	607.3	634.9	658.5	680.5	701.0	719.9	729.1	735.5
-85°	270.8	284.7	297.8	310.1	321.7	329.0	335.2	340.4	344.8	350.5	355.5
-87.5°	104.2	108.1	112.0	115.7	119.4	121.1	122.7	124.1	125.2	127.1	128.8
-90°	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	4.0	4.0



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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°	38.6	38.1	39.1	40.1	39.1	38.1	38.6	39.1	39.6	40.1	38.6
87.5°	15.9	14.0	13.0	12.0	13.0	14.0	15.9	17.8	19.6	21.4	19.8
85°	29.3	25.9	24.0	22.0	24.0	25.9	29.3	32.6	35.9	38.8	36.9
82.5°	35.5	34.0	34.1	34.1	34.1	34.0	35.5	37.0	38.5	40.2	41.7
80°	41.0	40.0	40.1	40.1	40.1	40.0	41.0	41.9	42.7	43.9	47.8
77.5°	44.5	44.0	43.1	42.1	43.1	44.0	44.5	44.9	45.4	46.5	51.7
75°	40.9	40.2	40.1	40.1	40.1	40.2	40.9	41.5	42.3	44.0	49.6
72.5°	35.0	34.3	34.1	34.1	34.1	34.3	35.0	35.9	36.7	38.5	42.9
70°	30.3	30.1	29.1	28.0	29.1	30.1	30.3	30.7	31.1	32.4	35.3
67.5°	25.1	24.3	24.0	24.0	24.0	24.3	25.1	25.9	26.7	27.8	29.6
65°	21.0	20.3	20.0	20.0	20.0	20.3	21.0	21.9	22.8	24.0	25.6
62.5°	18.9	18.2	17.2	16.0	17.2	18.2	18.9	19.6	20.4	21.3	22.5
60°	17.0	16.3	15.2	14.0	15.2	16.3	17.0	17.7	18.5	19.3	20.2
57.5°	15.0	14.3	14.0	14.0	14.0	14.3	15.0	15.8	16.6	17.5	18.4
55°	13.1	12.3	12.0	12.0	12.0	12.3	13.1	13.9	14.8	16.0	17.0
52.5°	12.9	12.3	12.0	12.0	12.0	12.3	12.9	13.5	14.2	15.5	16.7
50°	14.6	14.2	14.0	14.0	14.0	14.2	14.6	15.0	15.6	16.4	17.2
47.5°	17.5	16.5	16.0	16.0	16.0	16.5	17.5	18.2	18.7	19.2	19.4
45°	23.0	22.3	21.9	22.0	21.9	22.3	23.0	23.5	25.1	25.3	23.5
42.5°	39.9	38.8	37.2	36.1	37.2	38.8	39.9	39.5	41.3	41.2	39.9
40°	70.7	69.2	66.9	66.1	66.9	69.2	70.7	70.5	73.8	71.1	72.1
37.5°	135.0	134.0	129.7	128.2	129.7	134.0	135.0	133.2	132.2	123.6	128.2
35°	238.8	240.6	236.5	236.4	236.5	240.6	238.8	239.3	233.8	213.6	223.0
32.5°	431.7	436.4	424.2	430.7	424.2	436.4	431.7	424.6	402.9	384.6	376.4
30°	707.2	723.0	716.0	719.2	716.0	723.0	707.2	708.6	664.5	640.3	600.0
27.5°	1152.9	1164.7	1140.4	1131.9	1140.4	1164.7	1152.9	1144.5	1058.7	1048.8	926.1
25°	1864.2	1871.6	1847.9	1857.1	1847.9	1871.6	1864.2	1827.2	1761.4	1685.4	1544.6
22.5°	2903.9	2876.1	2849.7	2824.7	2849.7	2876.1	2903.9	2799.3	2747.8	2576.5	2461.7
20°	4538.2	4474.1	4465.5	4417.3	4465.5	4474.1	4538.2	4415.1	4282.6	4087.2	3806.7
17.5°	8085.7	8202.1	7943.8	7444.3	7943.8	8202.1	8085.7	7676.0	7659.1	7257.4	6594.8
15°	15063.2	15609.9	15844.7	15271.2	15844.7	15609.9	15063.2	14630.5	13895.8	12928.0	12104.0
12.5°	23817.4	24202.3	24668.4	24328.2	24668.4	24202.3	23817.4	23011.5	21551.6	20139.6	18526.2
10°	32483.5	33059.6	33765.2	33447.3	33765.2	33059.6	32483.5	31301.4	29925.4	27832.2	25445.5
7.5°	40464.9	41457.6	42077.6	41678.9	42077.6	41457.6	40464.9	39334.6	37281.0	34862.4	32070.3
5°	47276.4	48061.3	48435.1	48331.9	48435.1	48061.3	47276.4	45635.2	43237.3	40482.2	37556.5
2.5°	51644.7	52473.2	52808.1	52529.8	52808.1	52473.2	51644.7	50244.0	47780.5	44558.3	41155.7
0°	53779.8	54556.2	55089.0	55131.1	55089.0	54556.2	53779.8	52641.0	50357.2	47276.1	43684.2
-2.5°	52546.0	53017.8	53272.6	53102.8	53272.6	53017.8	52546.0	51451.2	49081.0	45960.5	42481.6
-5°	49314.5	49813.4	49975.3	50172.9	49975.3	49813.4	49314.5	48085.8	45960.6	43190.9	40189.7
-7.5°	43983.4	44530.7	44934.2	44917.2	44934.2	44530.7	43983.4	42999.9	41251.3	38882.4	36151.3
-10°	38754.4	39161.0	39582.0	39511.3	39582.0	39161.0	38754.4	37681.9	36239.9	34284.3	32033.4
-12.5°	33572.2	34250.6	34415.4	34365.8	34415.4	34250.6	33572.2	32533.8	31251.0	29637.6	27844.8
-15°	28305.4	28808.0	28766.8	28633.3	28766.8	28808.0	28305.4	27284.4	26387.5	24953.3	23736.2
-17.5°	24406.1	24683.3	24789.2	24684.8	24789.2	24683.3	24406.1	23739.1	22968.3	21796.8	20602.2
-20°	21631.5	21845.6	21917.8	21966.3	21917.8	21845.6	21631.5	21123.3	20505.4	19605.1	18564.0



REPORT NUMBER: P701577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19391.5	19610.3	19673.7	19756.6	19673.7	19610.3	19391.5	18958.5	18455.8	17783.5	16893.3
-25°	17513.1	17726.9	17799.2	17881.5	17799.2	17726.9	17513.1	17150.1	16679.6	16119.9	15360.3
-27.5°	15958.8	16167.5	16254.4	16317.0	16254.4	16167.5	15958.8	15645.1	15177.3	14729.6	14096.7
-30°	14734.9	14940.4	15064.7	15105.0	15064.7	14940.4	14734.9	14456.4	14064.2	13628.1	13097.1
-32.5°	13763.8	13943.2	14060.0	14119.3	14060.0	13943.2	13763.8	13497.7	13142.5	12724.4	12235.9
-35°	12898.9	13079.0	13200.3	13261.9	13200.3	13079.0	12898.9	12641.8	12316.4	11942.2	11461.3
-37.5°	12014.5	12210.6	12338.9	12342.4	12338.9	12210.6	12014.5	11767.1	11458.3	11112.5	10682.7
-40°	11038.7	11194.2	11296.1	11336.7	11296.1	11194.2	11038.7	10832.5	10551.5	10232.7	9864.4
-42.5°	10060.0	10192.1	10274.6	10309.0	10274.6	10192.1	10060.0	9879.9	9636.6	9354.0	9040.6
-45°	9125.7	9258.8	9327.6	9317.4	9327.6	9258.8	9125.7	8957.1	8746.0	8495.8	8213.2
-47.5°	8211.5	8314.8	8371.2	8383.9	8371.2	8314.8	8211.5	8068.9	7883.2	7664.3	7418.9
-50°	7379.3	7488.8	7535.6	7522.4	7535.6	7488.8	7379.3	7244.1	7084.8	6895.6	6671.9
-52.5°	6622.7	6715.7	6756.1	6751.2	6756.1	6715.7	6622.7	6507.0	6366.6	6191.7	5995.7
-55°	5884.8	5965.2	5997.3	5991.9	5997.3	5965.2	5884.8	5781.9	5656.1	5495.4	5317.8
-57.5°	5136.2	5208.6	5230.1	5216.6	5230.1	5208.6	5136.2	5044.2	4933.2	4803.3	4661.5
-60°	4411.0	4470.6	4489.1	4481.4	4489.1	4470.6	4411.0	4335.5	4244.5	4143.9	4029.7
-62.5°	3750.2	3796.2	3815.1	3816.3	3815.1	3796.2	3750.2	3691.3	3620.1	3537.3	3440.6
-65°	3167.0	3201.1	3216.4	3219.3	3216.4	3201.1	3167.0	3122.5	3067.7	2999.2	2917.8
-67.5°	2675.6	2702.2	2711.5	2712.5	2711.5	2702.2	2675.6	2641.2	2598.6	2544.0	2474.9
-70°	2324.7	2354.5	2366.9	2373.9	2366.9	2354.5	2324.7	2291.2	2253.5	2206.5	2143.4
-72.5°	2108.0	2138.5	2152.9	2163.6	2152.9	2138.5	2108.0	2075.2	2040.2	1995.4	1925.5
-75°	1931.7	1964.1	1974.3	1979.3	1974.3	1964.1	1931.7	1896.8	1860.2	1814.6	1737.2
-77.5°	1622.8	1640.3	1646.7	1648.7	1646.7	1640.3	1622.8	1601.9	1577.7	1546.0	1482.7
-80°	1213.4	1222.5	1240.0	1254.1	1240.0	1222.5	1213.4	1200.8	1184.8	1163.4	1117.2
-82.5°	739.4	740.9	751.1	759.3	751.1	740.9	739.4	735.5	729.1	719.9	701.0
-85°	359.6	362.8	371.1	378.6	371.1	362.8	359.6	355.5	350.5	344.8	340.4
-87.5°	130.4	131.8	131.1	130.2	131.1	131.8	130.4	128.8	127.1	125.2	124.1
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	37.1	35.6	34.1	33.6	33.1	32.6	32.1	29.6	27.1	24.5	22.0
87.5°	18.1	16.6	15.1	15.4	15.7	15.9	16.2	15.1	14.1	13.2	12.3
85°	34.9	32.8	30.7	30.9	31.0	31.0	30.8	30.0	28.8	27.4	25.7
82.5°	42.9	43.8	44.5	47.6	50.1	51.9	52.9	52.5	51.5	49.8	47.2
80°	51.3	54.5	57.8	64.2	69.9	74.7	78.5	79.9	80.7	80.4	77.7
77.5°	56.8	61.7	67.4	77.0	86.0	94.4	101.2	104.4	105.9	106.5	103.6
75°	55.3	61.2	69.3	82.2	94.7	106.8	115.6	120.9	125.2	128.4	125.3
72.5°	47.8	53.3	62.8	78.0	93.7	107.7	120.0	130.4	139.1	146.1	141.6
70°	38.6	42.5	51.3	65.3	80.3	95.9	112.3	129.2	146.5	158.3	151.3
67.5°	31.7	33.9	40.4	50.5	63.1	77.7	94.9	114.3	132.9	150.9	149.2
65°	27.3	29.1	33.1	39.6	48.0	58.6	72.1	88.9	109.1	129.6	132.5
62.5°	23.9	25.6	28.3	32.0	36.9	43.2	52.9	66.9	83.4	97.6	104.7
60°	21.1	22.1	23.8	26.2	29.3	33.2	40.0	49.0	60.3	72.0	79.5
57.5°	19.4	20.2	21.0	22.1	23.5	26.4	30.5	35.5	44.6	52.0	58.3
55°	17.8	18.7	19.4	19.9	20.3	22.0	24.0	27.6	33.0	37.4	44.8
52.5°	17.9	18.5	19.1	19.7	20.0	20.0	20.2	22.6	26.0	30.8	35.2
50°	18.1	18.7	19.3	19.8	20.2	20.1	20.0	20.1	23.1	26.8	30.4
47.5°	20.2	20.5	20.0	20.3	22.2	21.0	20.8	22.3	25.0	25.1	28.4
45°	26.6	27.5	24.7	28.2	29.8	28.7	24.4	30.0	31.6	30.9	27.8
42.5°	44.6	44.6	42.3	49.4	51.6	48.1	43.6	47.9	46.0	41.5	46.6
40°	77.6	74.3	77.2	84.9	87.2	81.4	83.1	77.6	72.4	61.0	79.3
37.5°	129.7	125.2	132.7	135.4	135.1	137.7	136.7	125.2	109.1	118.4	132.7
35°	208.4	203.3	211.4	207.8	199.5	220.4	213.8	187.9	175.0	189.6	199.1
32.5°	345.5	339.7	327.1	311.4	320.9	330.7	317.0	278.8	284.3	284.2	273.8
30°	558.4	532.9	488.6	490.5	508.1	479.9	444.2	457.6	438.7	399.7	361.3
27.5°	907.7	811.6	740.7	784.8	765.0	697.9	708.9	689.1	625.1	553.0	500.8
25°	1457.5	1292.4	1256.9	1232.2	1134.8	1114.7	1120.4	1027.1	875.9	771.0	842.2
22.5°	2210.7	2164.5	2024.8	1811.1	1855.7	1829.1	1672.9	1460.4	1303.1	1417.1	1326.1
20°	3674.8	3508.0	3105.3	3193.3	3186.0	2727.3	2364.0	2392.8	2484.0	2285.1	1933.9
17.5°	6679.3	5859.2	5569.3	5627.8	5110.1	4173.0	4175.8	4220.4	3908.3	3327.8	2646.0
15°	11086.5	10307.7	9663.4	8864.2	7925.1	7330.4	6834.9	6370.9	5575.9	4582.8	3682.7
12.5°	17169.9	15620.7	14196.3	12941.9	11870.7	10852.9	9876.9	8831.5	7536.5	6297.8	5259.4
10°	23460.4	21188.4	19290.9	17508.1	15907.2	14470.7	12924.8	11333.2	9705.6	8162.2	6836.3
7.5°	29286.0	26713.8	24331.1	21842.7	19515.6	17574.2	15719.7	13804.1	11842.0	10007.3	8398.4
5°	34263.6	31080.8	28095.2	25251.4	22688.1	20536.2	18451.5	16233.7	13921.4	11811.1	9924.5
2.5°	37610.9	34424.7	31399.0	28339.5	25440.9	22982.5	20594.5	18056.6	15382.2	12894.2	10766.0
0°	39910.0	36358.1	33106.7	29747.2	26676.1	24264.1	21868.1	19295.9	16485.2	13754.7	11537.1
-2.5°	38825.6	35431.9	32402.4	29165.7	26131.7	23694.5	21360.7	19021.3	16264.4	13661.1	11522.5
-5°	36711.7	33384.7	30374.8	27346.9	24541.5	22307.4	20213.5	18149.2	15679.3	13363.7	11420.7
-7.5°	33345.4	30625.9	27997.4	25213.0	22615.6	20532.1	18600.4	16654.5	14480.0	12418.8	10647.1
-10°	29474.1	27179.5	24885.4	22512.3	20429.4	18635.8	16887.2	15109.2	13218.6	11416.0	9831.8
-12.5°	25698.8	23714.2	21649.5	19613.2	18020.5	16605.5	15169.1	13594.0	11920.4	10370.7	8997.8
-15°	21792.5	20571.3	19046.5	17253.4	15711.8	14638.2	13519.9	12235.1	10791.7	9379.9	8161.8
-17.5°	19451.4	18042.4	16789.3	15509.9	14184.8	12880.0	11987.1	10970.1	9795.3	8605.6	7514.1
-20°	17476.5	16361.1	15165.0	14065.9	12988.3	11885.4	10781.0	9797.4	8863.4	7893.8	6977.5



REPORT NUMBER: P701577 (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°	15892.0	14949.6	13945.1	12874.5	11904.7	10976.4	9995.9	8970.2	7984.6	7199.7	6440.8
-25°	14587.3	13719.5	12874.1	11968.2	10997.9	10094.7	9242.0	8352.0	7439.2	6570.9	5917.7
-27.5°	13456.4	12718.9	11928.9	11121.3	10261.4	9371.5	8562.6	7767.3	6959.5	6178.2	5450.1
-30°	12489.2	11838.9	11123.1	10364.6	9600.2	8790.8	7971.5	7251.5	6533.0	5818.2	5139.2
-32.5°	11651.9	11082.7	10422.8	9704.0	8988.8	8268.1	7525.1	6768.7	6120.1	5491.7	4869.0
-35°	10952.8	10401.7	9765.4	9103.8	8448.5	7782.3	7083.7	6391.3	5751.3	5166.7	4594.5
-37.5°	10205.0	9702.3	9115.7	8510.4	7921.0	7304.6	6653.2	6017.6	5406.6	4859.8	4338.5
-40°	9424.4	8951.9	8460.4	7916.5	7367.4	6816.3	6219.6	5628.1	5079.7	4557.0	4077.0
-42.5°	8645.4	8228.3	7793.4	7296.6	6794.0	6296.9	5771.5	5242.9	4740.6	4264.7	3816.9
-45°	7879.5	7501.4	7099.8	6691.1	6239.6	5784.1	5321.8	4859.4	4406.9	3968.7	3544.3
-47.5°	7135.9	6805.3	6461.5	6110.4	5698.6	5281.9	4888.9	4484.2	4066.4	3659.5	3284.6
-50°	6424.7	6147.6	5845.9	5523.8	5170.5	4807.0	4456.3	4096.3	3720.5	3365.1	3018.1
-52.5°	5779.6	5521.8	5244.3	4951.7	4664.4	4353.7	4028.1	3715.1	3390.8	3064.9	2752.6
-55°	5124.7	4910.0	4678.9	4442.4	4197.7	3907.2	3619.3	3337.6	3051.8	2755.0	2493.0
-57.5°	4510.2	4336.3	4132.4	3920.2	3700.8	3458.0	3206.9	2952.2	2714.3	2470.2	2233.9
-60°	3900.9	3752.7	3583.1	3406.3	3223.2	3018.2	2808.9	2599.0	2389.3	2191.8	1991.8
-62.5°	3329.2	3202.9	3064.6	2926.2	2778.4	2615.0	2435.2	2265.0	2095.6	1923.9	1759.0
-65°	2826.3	2724.9	2608.4	2493.5	2371.1	2240.4	2091.6	1952.0	1816.2	1677.1	1532.9
-67.5°	2394.8	2303.1	2203.9	2106.2	2011.4	1902.6	1786.2	1667.2	1556.6	1442.3	1321.5
-70°	2072.5	1993.1	1907.9	1814.9	1720.4	1622.8	1528.6	1432.7	1329.1	1233.2	1141.8
-72.5°	1850.5	1769.8	1685.0	1596.7	1501.4	1411.4	1331.9	1255.0	1171.2	1080.1	992.9
-75°	1660.6	1585.5	1510.9	1432.7	1353.2	1272.7	1190.6	1112.1	1035.8	962.0	887.9
-77.5°	1418.1	1352.7	1285.9	1216.9	1152.0	1092.2	1034.6	965.8	891.3	821.0	751.7
-80°	1070.1	1022.7	975.6	929.8	884.2	839.1	793.2	740.0	689.8	638.9	583.5
-82.5°	680.5	658.5	634.9	607.3	578.5	548.5	517.0	480.0	443.4	407.4	371.5
-85°	335.2	329.0	321.7	310.1	297.8	284.7	270.8	254.8	238.5	221.8	204.7
-87.5°	122.7	121.1	119.4	115.7	112.0	108.1	104.2	99.9	95.3	90.6	85.8
-90°	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.0	8.0	8.0	8.0



REPORT NUMBER: P701577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	20.5	19.0	17.5	16.0	15.5	15.0	14.5	14.0	13.5	13.0	12.5
87.5°	13.4	14.4	15.3	16.0	15.0	14.0	13.1	12.2	12.4	12.4	12.4
85°	25.0	24.6	24.5	24.6	22.5	20.0	18.1	16.5	16.8	16.9	16.7
82.5°	42.5	39.3	36.9	35.1	33.9	32.0	29.4	26.0	23.1	21.5	21.1
80°	69.6	62.1	55.3	49.3	46.0	44.2	42.0	38.3	32.2	27.9	25.2
77.5°	93.6	84.2	75.5	66.6	59.1	53.6	50.3	48.0	41.0	33.9	29.0
75°	114.5	102.8	91.6	80.7	70.5	62.3	55.7	50.9	45.0	39.3	32.5
72.5°	128.7	116.6	105.2	93.0	79.5	68.5	60.0	53.6	47.3	41.2	35.4
70°	138.9	127.5	115.1	101.2	87.1	73.9	63.0	55.6	49.4	43.0	36.8
67.5°	145.2	132.2	120.5	107.9	93.3	78.9	65.5	57.4	51.0	44.6	38.1
65°	129.7	127.0	123.1	109.5	96.7	83.5	69.1	59.6	52.5	45.9	39.3
62.5°	110.1	112.4	110.4	107.1	97.2	84.7	72.7	63.1	54.1	47.1	40.4
60°	86.0	92.3	96.4	95.5	92.5	84.3	73.8	66.2	56.7	48.2	41.3
57.5°	66.6	72.8	79.5	83.3	82.7	79.6	74.2	67.3	59.0	49.9	42.3
55°	50.5	57.8	64.8	70.4	72.9	71.4	72.5	67.5	60.6	51.5	43.7
52.5°	40.6	46.6	53.0	59.3	63.3	64.6	67.5	67.6	60.7	52.9	45.6
50°	34.3	41.1	45.4	50.2	55.0	59.2	63.0	64.3	60.6	53.7	47.5
47.5°	34.3	40.9	43.6	44.1	48.2	54.4	58.9	61.0	60.4	53.5	49.4
45°	41.5	46.2	46.3	45.1	44.3	51.5	55.3	58.2	58.1	54.8	51.3
42.5°	55.9	59.5	55.4	47.9	52.6	50.6	52.1	55.5	56.0	56.3	52.9
40°	86.0	80.7	69.8	68.8	69.3	51.8	52.5	53.1	54.7	57.6	54.3
37.5°	125.0	113.8	95.3	101.6	94.5	72.8	54.6	51.2	56.1	58.7	55.9
35°	187.2	158.1	147.4	146.6	131.4	99.0	58.0	51.5	58.5	60.3	57.6
32.5°	261.5	235.6	224.6	200.8	175.0	130.4	75.7	61.6	62.3	62.3	59.4
30°	358.7	370.0	318.1	260.9	225.7	171.8	113.4	74.2	67.4	64.8	61.2
27.5°	552.1	534.0	433.1	345.8	282.2	223.1	177.6	89.2	73.7	68.1	63.1
25°	806.7	732.3	592.2	447.0	342.4	378.2	258.4	108.0	84.3	73.0	65.2
22.5°	1150.4	966.9	771.1	557.3	576.7	574.9	370.1	169.4	97.8	78.5	67.6
20°	1550.4	1233.7	1038.7	964.0	869.9	785.2	520.6	239.5	112.3	84.5	70.0
17.5°	2017.9	1816.2	1709.7	1461.1	1209.3	1014.8	693.6	316.4	127.7	91.0	72.7
15°	3143.1	2793.7	2456.5	2009.3	1576.4	1260.1	884.0	398.2	143.6	97.8	80.0
12.5°	4438.8	3815.7	3261.3	2596.9	1964.2	1517.0	1086.4	482.7	159.8	113.5	93.5
10°	5759.8	4868.3	4107.1	3210.7	2365.2	1781.0	1295.0	577.2	197.8	136.5	107.6
7.5°	7088.5	5935.7	4975.1	3836.5	2760.4	2039.2	1516.0	689.7	239.7	159.8	121.9
5°	8299.0	6836.5	5679.5	4339.8	3089.9	2282.9	1730.1	797.8	281.7	183.1	136.2
2.5°	9018.2	7452.4	6251.1	4800.4	3402.0	2516.2	1929.8	898.7	322.9	206.1	150.5
0°	9678.0	8025.3	6779.2	5224.6	3692.1	2736.5	2109.5	989.6	362.6	228.4	164.3
-2.5°	9625.9	8035.7	6766.1	5287.8	3822.8	2851.4	2187.4	1101.0	472.8	308.3	216.9
-5°	9514.9	7998.2	6709.3	5310.7	3925.9	2948.5	2242.5	1199.8	579.2	386.0	268.2
-7.5°	9023.8	7704.4	6524.0	5271.7	4000.2	3025.6	2277.3	1286.2	680.4	460.5	317.5
-10°	8422.2	7246.4	6164.1	5018.0	3888.6	3017.3	2284.7	1360.5	775.3	530.8	364.0
-12.5°	7800.1	6770.6	5791.4	4746.1	3731.2	2933.8	2213.7	1390.8	858.9	595.7	407.0
-15°	7168.5	6285.1	5415.2	4462.7	3562.1	2839.3	2136.7	1397.3	909.7	648.6	445.9
-17.5°	6570.7	5797.5	5043.8	4174.1	3384.6	2735.3	2057.5	1397.5	954.0	689.1	479.6
-20°	6148.6	5394.5	4682.9	3886.0	3202.0	2623.5	1979.8	1392.4	991.4	724.7	508.9



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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°	5728.7	5055.2	4372.8	3644.4	3033.3	2505.4	1906.9	1383.3	1021.6	755.3	534.0
-25°	5305.6	4711.5	4081.7	3452.6	2886.0	2391.9	1858.0	1371.0	1044.4	780.5	554.7
-27.5°	4910.0	4372.4	3803.0	3260.1	2756.7	2295.3	1827.6	1389.8	1063.2	800.1	570.7
-30°	4529.1	4066.2	3572.3	3078.1	2621.9	2199.2	1797.7	1400.9	1081.9	815.8	581.8
-32.5°	4268.9	3785.6	3358.0	2921.2	2499.0	2098.3	1740.9	1402.4	1093.4	826.2	591.7
-35°	4066.4	3576.4	3153.4	2761.8	2378.5	2009.3	1670.5	1394.2	1097.6	830.0	598.2
-37.5°	3844.9	3394.5	2977.9	2611.0	2253.6	1912.4	1609.0	1348.7	1094.4	827.1	600.1
-40°	3628.6	3204.2	2815.0	2470.5	2135.3	1808.0	1540.8	1301.0	1084.2	817.4	597.2
-42.5°	3395.2	3009.8	2653.8	2326.2	2013.5	1725.1	1467.7	1246.6	1040.2	806.5	589.7
-45°	3165.8	2808.5	2484.7	2181.7	1889.7	1635.8	1399.7	1186.0	987.7	792.1	578.2
-47.5°	2926.4	2609.7	2311.2	2027.4	1783.1	1542.7	1324.3	1121.7	930.7	771.0	563.0
-50°	2695.8	2406.4	2133.6	1885.4	1661.8	1450.2	1242.9	1052.0	878.0	725.3	542.7
-52.5°	2467.3	2204.2	1961.8	1740.3	1541.2	1349.7	1159.2	978.3	820.6	677.0	517.6
-55°	2238.7	2006.3	1790.4	1597.3	1416.2	1245.9	1069.9	906.9	758.6	626.0	488.1
-57.5°	2018.6	1806.9	1626.1	1454.0	1289.6	1134.7	979.8	830.3	695.4	572.1	456.8
-60°	1799.6	1627.2	1463.4	1308.0	1159.5	1021.6	886.5	751.0	629.8	516.7	415.0
-62.5°	1598.7	1444.7	1297.2	1157.5	1030.2	908.9	789.6	672.4	561.2	464.2	369.3
-65°	1398.1	1261.7	1126.6	1014.6	903.2	797.3	696.3	590.4	498.3	410.3	324.9
-67.5°	1199.3	1092.3	976.2	872.9	786.0	697.0	601.3	516.6	435.9	355.0	286.1
-70°	1044.6	939.5	840.8	759.5	680.9	599.1	522.5	445.7	372.3	310.5	246.6
-72.5°	912.7	826.5	734.2	651.8	589.0	520.6	446.6	377.2	322.5	265.6	206.5
-75°	806.3	719.4	638.8	570.3	508.4	441.7	377.2	322.9	272.4	220.0	170.7
-77.5°	677.7	609.1	546.4	478.4	415.0	358.8	310.3	268.0	220.6	175.4	135.4
-80°	520.3	460.8	405.5	354.9	311.0	272.8	238.2	203.2	164.4	129.7	99.2
-82.5°	331.2	298.3	268.5	240.3	213.4	186.7	160.3	134.0	107.0	83.1	68.6
-85°	186.4	168.9	152.3	136.6	118.1	99.9	88.7	78.1	68.1	58.7	50.0
-87.5°	82.1	78.2	74.2	70.0	63.6	57.5	51.7	46.1	40.9	35.9	31.3
-90°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.0	11.5	11.0	10.5	10.0	9.0	8.0
87.5°	12.1	11.1	10.3	9.5	8.9	8.3	8.0
85°	16.3	14.3	12.5	11.0	9.7	8.7	8.0
82.5°	20.3	17.3	14.7	12.5	10.6	9.0	8.0
80°	24.1	20.4	16.9	13.9	11.4	9.4	8.0
77.5°	26.0	22.7	19.1	15.4	12.3	9.7	8.0
75°	27.8	23.7	20.9	16.8	13.1	10.1	8.0
72.5°	29.4	24.6	21.2	18.2	13.9	10.4	8.0
70°	30.9	25.4	21.5	19.2	14.7	10.7	8.0
67.5°	32.1	26.1	21.8	19.2	15.4	11.0	8.0
65°	33.3	27.0	21.9	19.0	16.1	11.3	8.0
62.5°	34.4	28.1	22.0	18.9	16.8	11.6	8.0
60°	35.6	29.2	21.9	18.7	17.5	11.9	8.0
57.5°	36.9	30.2	22.8	18.4	17.3	12.1	8.0
55°	38.3	31.2	23.7	18.1	17.1	12.4	8.0
52.5°	39.7	32.3	24.5	17.7	17.0	12.6	8.0
50°	41.3	33.7	25.4	17.3	16.9	12.8	8.0
47.5°	42.8	35.0	26.2	17.1	16.8	13.0	8.0
45°	44.5	36.4	26.9	17.7	16.7	13.2	8.0
42.5°	46.2	37.8	27.6	18.2	16.7	13.4	8.0
40°	47.8	39.2	28.5	19.1	16.6	13.6	8.0
37.5°	49.4	40.6	29.6	20.1	16.6	13.7	8.0
35°	51.0	41.9	30.6	21.2	16.7	13.9	8.0
32.5°	52.5	43.2	31.6	22.3	16.7	14.0	8.0
30°	53.9	44.3	32.5	23.4	16.7	14.1	8.0
27.5°	55.3	45.4	34.5	24.4	16.8	14.1	8.0
25°	56.7	46.5	36.7	25.5	16.9	14.2	8.0
22.5°	58.1	48.2	38.9	26.5	17.0	14.3	8.0
20°	59.5	52.0	41.0	27.6	17.1	14.3	8.0
17.5°	64.7	56.0	43.2	28.6	17.2	14.3	8.0
15°	72.5	60.1	45.3	29.5	17.3	14.3	8.0
12.5°	80.6	64.2	47.3	30.4	17.4	14.3	8.0
10°	89.0	68.4	49.3	31.3	17.6	14.3	8.0
7.5°	97.5	72.5	51.2	32.1	17.7	14.2	8.0
5°	105.9	76.5	53.0	32.9	17.8	14.2	8.0
2.5°	114.2	80.4	54.6	33.5	17.9	14.1	8.0
0°	122.2	84.1	56.1	34.1	18.0	14.0	8.0
-2.5°	154.1	102.4	65.5	38.3	19.4	14.3	8.0
-5°	185.2	120.1	74.7	42.3	20.8	14.6	8.0
-7.5°	214.9	137.2	83.5	46.1	22.1	14.9	8.0
-10°	243.1	153.3	91.8	49.8	23.4	15.1	8.0
-12.5°	269.1	168.3	99.4	53.1	24.6	15.3	8.0
-15°	292.7	181.9	106.4	56.2	25.7	15.6	8.0
-17.5°	313.5	194.0	112.7	58.9	26.8	15.7	8.0
-20°	333.1	204.3	118.0	61.2	27.8	15.9	8.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	352.8	212.8	122.4	63.1	28.6	16.0	8.0
-25°	369.6	223.7	125.8	64.6	29.4	16.2	8.0
-27.5°	383.3	234.2	128.1	65.6	30.0	16.2	8.0
-30°	393.8	242.4	129.7	66.1	30.6	16.3	8.0
-32.5°	401.0	248.2	133.9	66.2	31.0	16.3	8.0
-35°	406.6	251.5	136.5	65.6	31.2	16.3	8.0
-37.5°	409.3	253.0	137.6	64.6	31.3	16.3	8.0
-40°	408.2	253.5	137.0	63.0	31.3	16.2	8.0
-42.5°	403.4	251.4	136.0	61.4	31.2	16.1	8.0
-45°	394.9	246.8	134.8	60.4	30.9	15.9	8.0
-47.5°	382.5	239.5	132.1	58.6	30.4	15.8	8.0
-50°	369.0	229.6	128.0	58.0	29.8	15.6	8.0
-52.5°	352.3	217.3	122.5	57.4	29.1	15.3	8.0
-55°	332.0	206.2	115.7	56.2	28.2	15.1	8.0
-57.5°	308.4	193.9	107.5	54.4	27.2	14.8	8.0
-60°	282.2	179.5	98.4	52.0	26.1	14.5	8.0
-62.5°	259.1	163.3	92.4	49.2	25.1	14.1	8.0
-65°	233.4	145.3	85.4	45.8	24.1	13.7	8.0
-67.5°	205.4	128.9	77.6	41.9	22.9	13.3	8.0
-70°	175.2	114.5	68.9	37.6	21.7	12.9	8.0
-72.5°	150.7	98.9	59.6	34.4	20.4	12.5	8.0
-75°	125.9	82.3	49.6	31.4	19.0	12.0	8.0
-77.5°	99.7	64.8	42.9	28.2	17.6	11.5	8.0
-80°	72.5	52.2	36.9	24.8	16.2	11.1	8.0
-82.5°	56.6	42.3	30.6	21.3	14.6	10.6	8.0
-85°	41.9	32.2	24.1	17.8	13.1	10.0	8.0
-87.5°	27.0	21.9	17.6	14.2	11.6	9.5	8.0
-90°	8.0	8.0	8.0	8.0	8.0	8.0	8.0

(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

