

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: P701575 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701575 (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-08-0640L-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

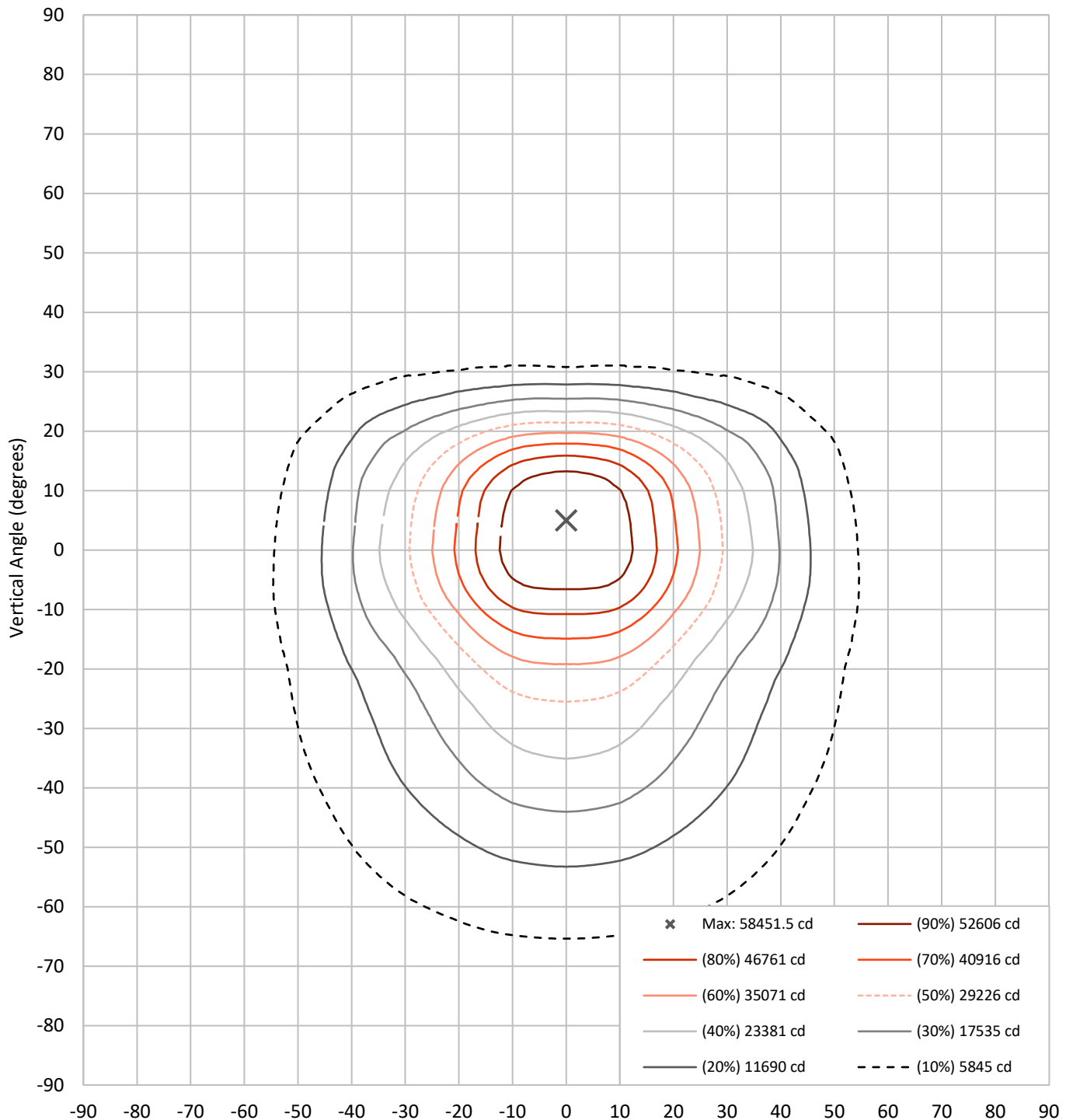
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	57272.6 lumens	Max Intensity:	58451.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	87.0 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:	27546.9 lumens	Field Lumens:	53093.4 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 658
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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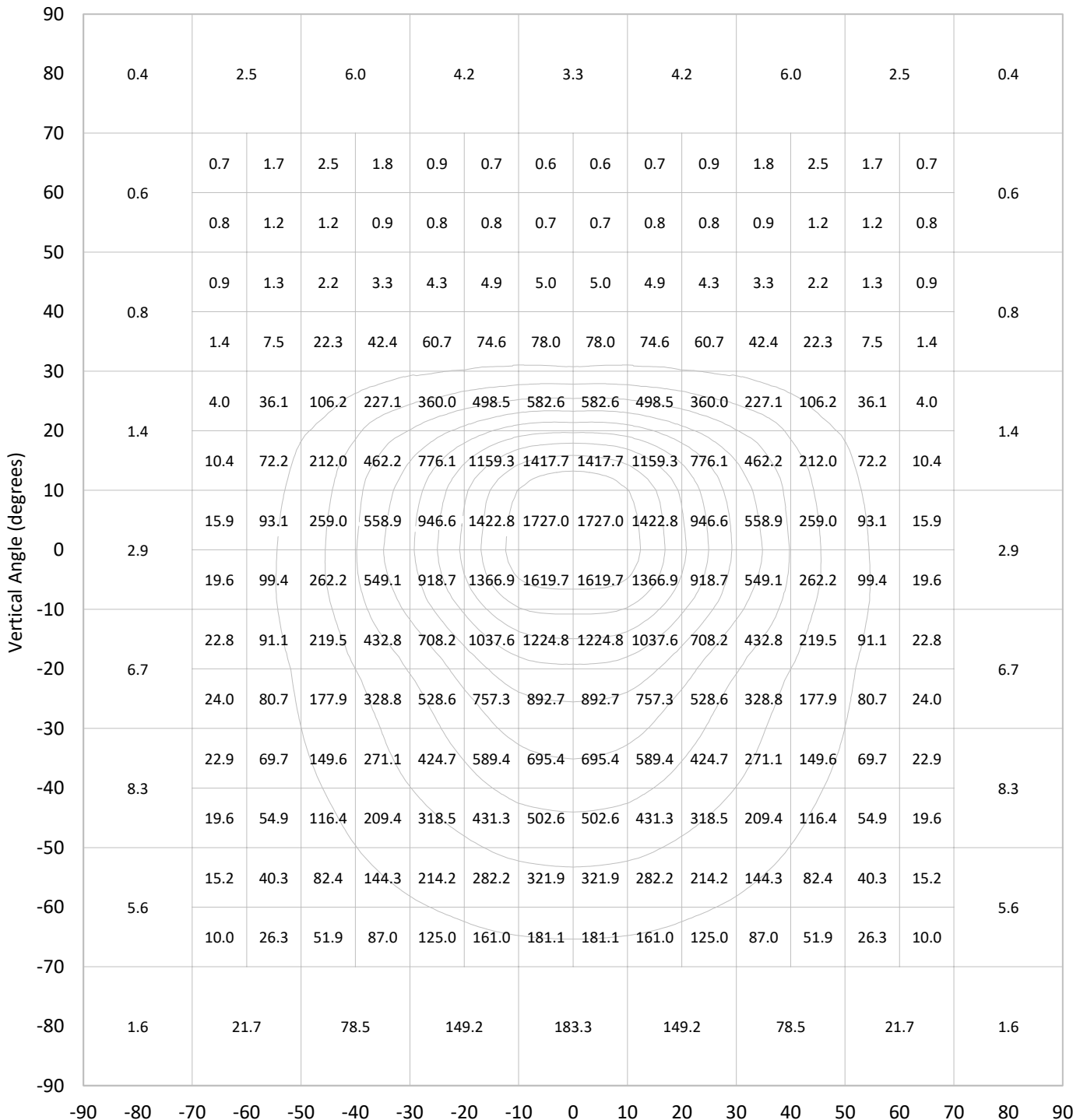
Iso-Candela Plot





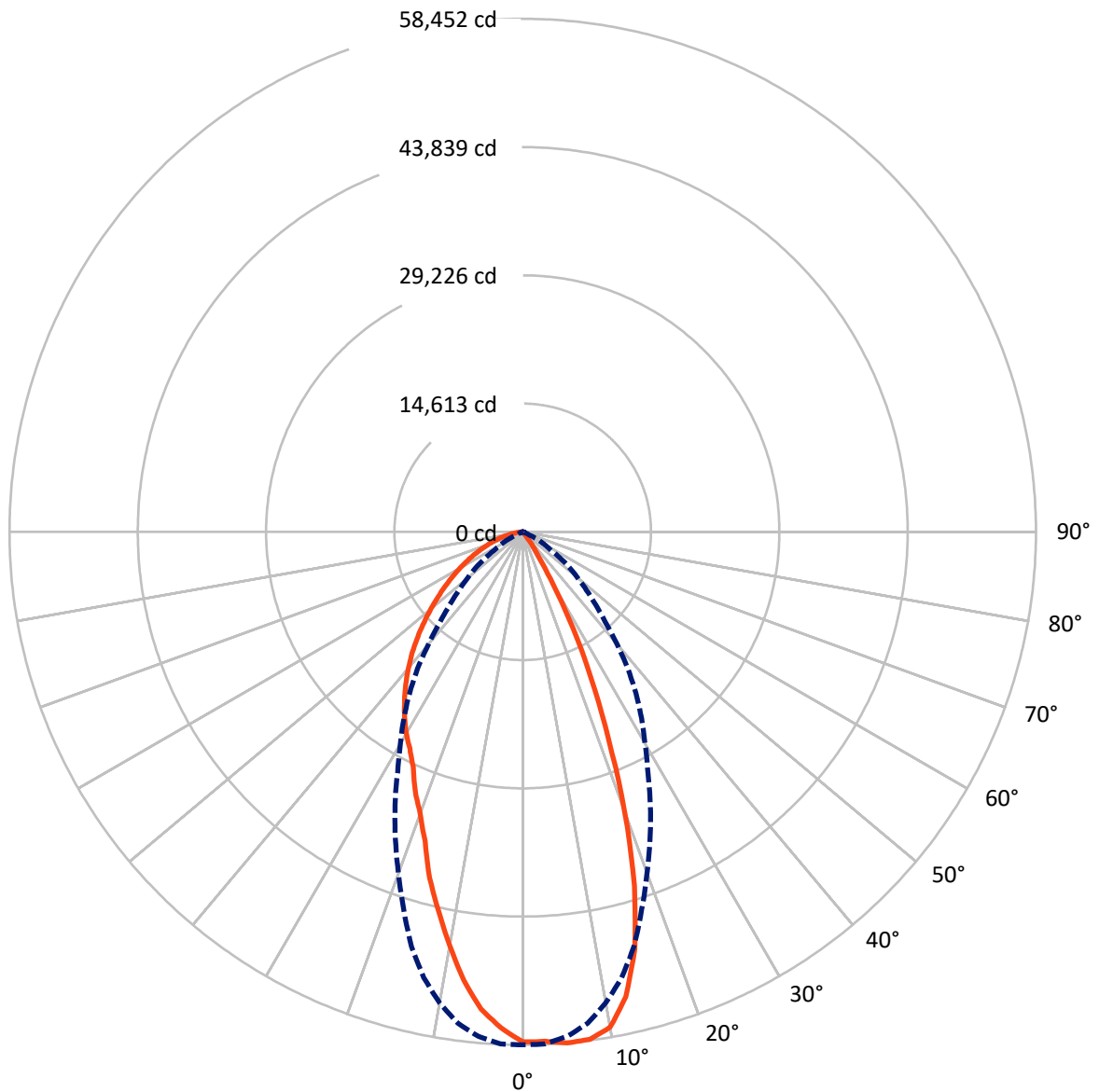
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Lumen Table



REPORT NUMBER: P701575 (CONVERTED FROM TYPE C PHOTOMETRY)
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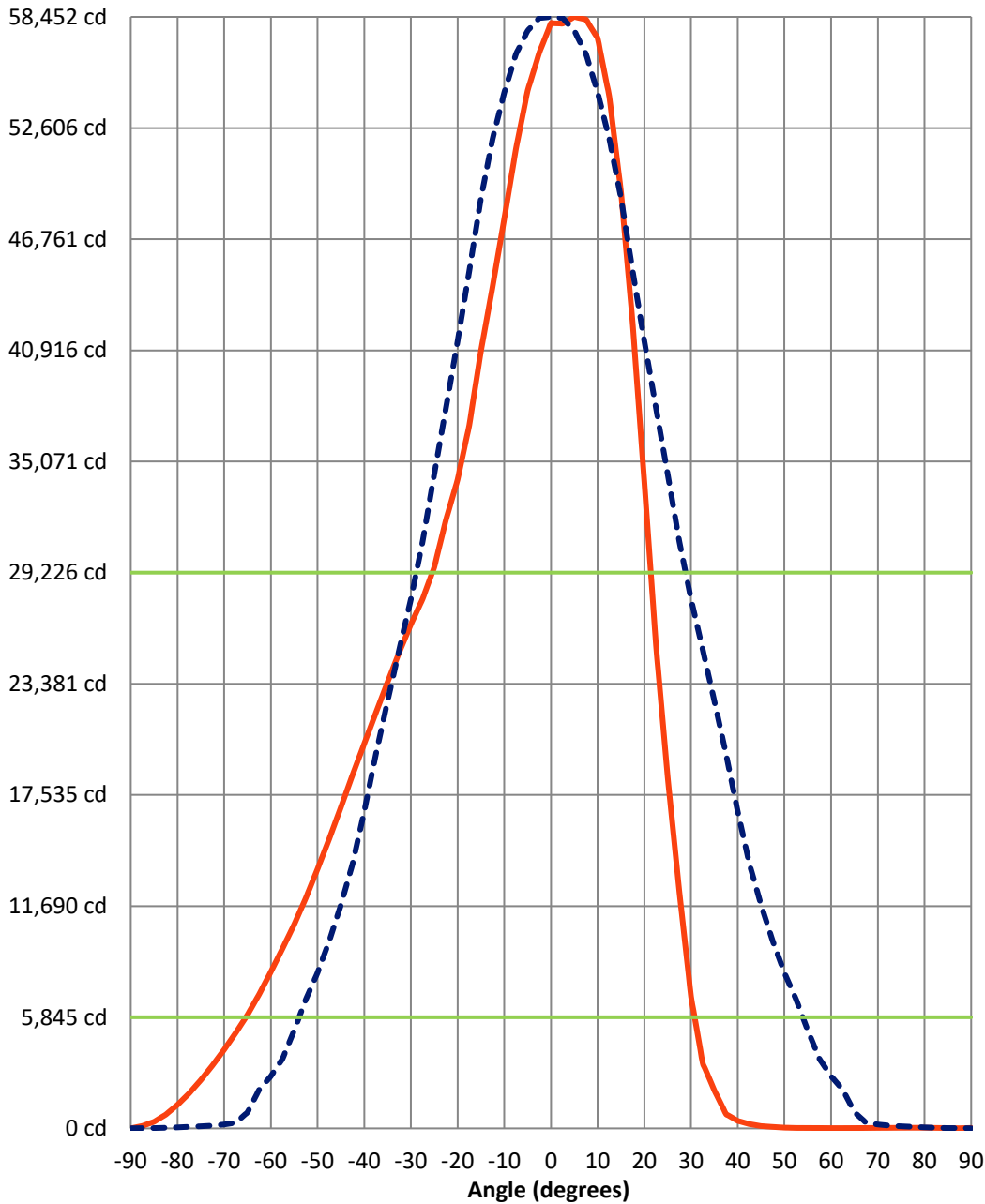
Luminous Intensity Polar Plot



— 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: 27546.9
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 53093.4
 Efficiency: 92.7%

Spill:
 Lumens: 4179.2
 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°	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	9.3	10.7	10.8	11.1	11.5	12.1	12.0	11.8	11.5	11.1
85°	8.0	9.6	11.4	12.1	13.2	14.5	16.3	16.5	16.6	16.5	16.2
82.5°	8.0	9.9	12.1	13.4	15.2	17.5	20.3	21.1	21.4	22.5	24.9
80°	8.0	10.2	12.7	14.7	17.2	20.5	24.0	24.4	26.4	30.1	35.5
77.5°	8.0	10.5	13.4	15.9	19.2	22.5	24.9	27.0	31.1	37.4	43.7
75°	8.0	10.8	14.0	17.1	20.8	22.9	25.7	29.3	35.2	40.1	44.9
72.5°	8.0	11.0	14.7	18.3	20.9	23.2	26.4	31.1	36.1	41.2	46.1
70°	8.0	11.3	15.3	19.2	20.9	23.5	27.1	31.9	37.0	42.2	48.6
67.5°	8.0	11.6	15.8	19.0	20.8	23.7	27.9	32.6	37.9	44.6	51.2
65°	8.0	11.8	16.4	18.8	20.8	24.2	28.7	33.3	39.9	46.8	54.0
62.5°	8.0	12.1	16.9	18.6	20.6	25.0	29.6	34.6	41.8	49.1	57.6
60°	8.0	12.3	17.5	18.4	20.4	25.8	30.4	36.2	43.6	51.8	60.8
57.5°	8.0	12.5	17.3	18.1	21.1	26.6	31.9	37.8	45.5	54.2	62.4
55°	8.0	12.7	17.1	17.8	21.8	27.4	33.5	39.6	47.2	56.1	63.4
52.5°	8.0	12.9	17.0	17.4	22.5	28.3	35.1	41.5	48.7	57.1	64.4
50°	8.0	13.1	16.9	17.0	23.1	29.6	36.6	43.7	49.9	58.2	64.7
47.5°	8.0	13.3	16.8	16.8	23.8	30.8	38.2	46.0	50.9	59.2	65.8
45°	8.0	13.4	16.7	17.3	24.4	32.0	40.4	48.6	53.8	61.3	67.8
42.5°	8.0	13.6	16.7	17.8	25.0	33.1	42.7	51.5	57.1	64.1	71.2
40°	8.0	13.7	16.6	18.5	25.8	34.2	45.2	54.7	61.4	67.9	75.7
37.5°	8.0	13.9	16.6	19.4	26.6	35.3	47.7	58.2	66.8	74.5	81.3
35°	8.0	14.0	16.7	20.4	27.3	36.9	50.2	61.9	72.6	82.4	89.1
32.5°	8.0	14.1	16.7	21.4	28.0	38.9	53.0	65.9	78.6	91.4	104.0
30°	8.0	14.1	16.7	22.5	28.7	40.8	56.1	70.2	84.8	101.2	121.0
27.5°	8.0	14.2	16.8	23.5	30.7	42.7	59.3	75.3	91.9	111.9	140.0
25°	8.0	14.2	16.9	24.6	33.0	44.6	62.5	80.4	100.4	126.1	163.0
22.5°	8.0	14.3	17.0	25.7	35.5	47.4	65.7	85.5	109.3	142.8	239.2
20°	8.0	14.3	17.1	26.7	38.0	52.5	68.9	90.5	118.4	160.2	324.6
17.5°	8.0	14.3	17.2	27.8	40.6	57.7	74.7	95.5	127.7	178.2	417.0
15°	8.0	14.3	17.3	28.8	43.3	62.9	82.3	103.1	137.0	196.4	514.3
12.5°	8.0	14.3	17.4	29.8	45.9	68.1	89.7	114.0	151.3	214.6	613.8
10°	8.0	14.3	17.6	30.8	48.5	73.2	97.1	125.0	169.8	242.7	707.8
7.5°	8.0	14.2	17.7	31.7	51.1	78.3	104.2	135.8	188.2	271.8	784.1
5°	8.0	14.2	17.7	31.7	51.1	78.3	104.2	135.8	188.2	271.8	784.1
2.5°	8.0	14.1	17.9	33.4	55.9	87.8	117.8	156.6	223.8	327.2	906.9
0°	8.0	14.0	18.0	34.1	58.1	92.2	124.2	166.3	240.4	352.6	951.6
-2.5°	8.0	14.3	19.4	38.3	67.5	110.2	155.4	218.6	322.0	471.6	1075.8
-5°	8.0	14.5	20.8	42.3	76.7	127.7	185.7	269.6	401.2	586.8	1187.8
-7.5°	8.0	14.7	22.1	46.1	85.4	144.3	214.9	318.4	476.8	696.6	1287.6
-10°	8.0	14.9	23.4	49.8	93.6	160.1	242.6	364.5	547.6	799.2	1375.3
-12.5°	8.0	15.1	24.6	53.1	101.3	174.6	268.4	406.9	612.6	893.1	1457.1
-15°	8.0	15.3	25.7	56.2	108.2	187.8	291.9	445.1	674.1	977.9	1527.1
-17.5°	8.0	15.5	26.7	58.9	114.3	199.4	312.7	485.9	733.5	1052.9	1581.3
-20°	8.0	15.6	27.7	61.2	119.5	209.3	335.5	527.7	785.9	1117.2	1619.0



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 CATALOG NUMBER: EPH-LS-08-0640L-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°	8.0	15.7	28.5	63.1	123.8	217.3	362.8	564.1	830.6	1169.9	1639.8
-25°	8.0	15.8	29.2	64.6	127.0	229.6	386.0	594.6	867.3	1210.3	1643.3
-27.5°	8.0	15.8	29.8	65.6	129.2	242.0	404.9	618.9	895.5	1242.2	1682.3
-30°	8.0	15.9	30.3	66.1	130.7	251.6	419.2	636.7	919.6	1270.6	1706.9
-32.5°	8.0	15.9	30.6	66.2	135.6	258.3	428.8	651.9	937.7	1287.5	1714.4
-35°	8.0	15.8	30.8	65.6	138.8	262.1	435.6	661.5	946.7	1292.6	1704.3
-37.5°	8.0	15.8	30.8	64.6	140.3	263.9	438.9	664.1	946.3	1285.8	1653.9
-40°	8.0	15.7	30.7	63.0	139.9	264.9	437.6	659.6	936.6	1273.9	1600.8
-42.5°	8.0	15.6	30.5	61.5	139.2	262.9	431.7	647.8	921.8	1230.5	1537.7
-45°	8.0	15.4	30.0	60.8	138.4	258.1	421.3	631.7	899.6	1175.8	1466.4
-47.5°	8.0	15.3	29.5	59.2	136.0	250.4	406.3	613.1	867.6	1113.7	1395.5
-50°	8.0	15.1	28.7	58.7	132.1	239.9	391.4	588.4	813.9	1051.4	1315.6
-52.5°	8.0	14.9	27.9	58.1	126.8	226.6	373.2	557.7	761.6	982.1	1227.9
-55°	8.0	14.6	26.8	56.8	120.1	215.4	351.1	522.0	706.9	906.0	1139.8
-57.5°	8.0	14.3	25.7	54.9	112.0	202.9	325.2	487.5	646.9	832.1	1044.0
-60°	8.0	14.0	24.4	52.4	102.7	188.3	296.7	444.1	584.1	754.5	944.6
-62.5°	8.0	13.7	23.5	49.3	96.3	171.7	272.9	395.9	525.6	671.1	846.3
-65°	8.0	13.4	22.5	45.7	88.9	153.3	246.5	348.4	463.4	593.9	741.5
-67.5°	8.0	13.0	21.5	41.5	80.5	136.2	217.5	307.4	397.9	515.5	643.9
-70°	8.0	12.6	20.4	36.9	71.3	120.8	186.4	264.3	344.6	433.5	547.1
-72.5°	8.0	12.2	19.2	33.8	61.2	104.1	160.3	219.5	289.4	366.6	450.8
-75°	8.0	11.8	18.0	30.9	50.5	86.3	133.7	180.6	232.3	297.8	369.3
-77.5°	8.0	11.3	16.8	27.8	43.7	67.6	105.7	143.0	184.1	230.4	285.3
-80°	8.0	10.9	15.5	24.5	37.5	54.3	76.6	104.4	135.7	171.2	210.7
-82.5°	8.0	10.4	14.1	21.1	31.1	43.9	59.6	71.8	86.3	110.8	138.3
-85°	8.0	10.0	12.8	17.6	24.5	33.3	44.0	52.1	60.8	70.1	79.9
-87.5°	8.0	9.5	11.4	14.1	17.8	22.4	28.0	32.4	37.0	41.9	47.0
-90°	8.0	9.0	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	6.0



REPORT NUMBER: P701575 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.0	14.0	14.0	14.0	14.5	15.0	15.5	16.0	17.0	18.0	19.0
87.5°	11.8	12.5	13.2	14.0	13.0	11.8	10.4	8.8	9.3	9.8	10.4
85°	17.5	19.0	20.7	22.1	21.1	20.2	19.6	19.2	20.3	21.1	21.8
82.5°	27.4	29.1	30.0	30.3	30.8	31.8	33.6	37.1	39.4	40.9	41.7
80°	38.2	39.3	40.2	42.8	47.6	53.2	59.4	66.2	68.5	68.7	68.0
77.5°	44.8	47.2	51.9	58.9	66.7	74.6	83.4	92.8	95.6	94.8	93.0
75°	48.7	54.4	62.6	72.7	83.1	93.8	105.2	115.9	118.9	115.5	111.1
72.5°	52.4	61.1	72.0	85.2	96.6	107.6	119.8	133.2	137.9	131.1	123.1
70°	56.1	67.1	79.6	92.6	105.6	118.1	130.0	142.9	150.6	139.9	123.6
67.5°	59.3	72.0	85.4	98.7	110.5	122.8	136.2	141.7	145.1	127.9	109.5
65°	63.0	76.5	88.7	100.5	113.1	118.2	122.5	127.2	126.5	106.9	87.3
62.5°	66.8	77.8	89.4	98.8	101.9	104.9	104.8	101.9	97.1	83.6	66.8
60°	68.1	77.7	85.7	88.9	89.6	86.7	82.9	79.1	73.3	61.9	50.5
57.5°	68.9	74.1	77.8	78.7	75.3	69.6	67.0	61.0	56.0	49.4	40.0
55°	68.5	67.9	70.0	68.2	64.1	59.5	54.8	50.9	44.7	42.7	38.5
52.5°	66.7	63.7	62.7	60.6	57.9	53.2	48.5	45.4	43.9	41.5	37.9
50°	66.1	62.2	57.4	57.2	55.1	51.6	46.7	46.0	46.1	43.9	39.9
47.5°	66.9	62.3	56.2	56.3	56.6	57.8	53.7	51.9	52.5	58.4	52.2
45°	69.2	66.7	60.3	60.2	65.8	73.3	79.9	61.5	80.1	89.3	96.6
42.5°	72.8	73.9	77.2	65.8	87.0	113.8	126.6	133.1	126.3	155.5	185.7
40°	80.8	83.7	106.0	114.8	123.9	179.3	256.1	274.1	208.3	289.6	339.9
37.5°	90.8	119.0	158.0	205.0	200.7	316.4	436.7	529.0	519.9	491.6	704.0
35°	102.2	162.7	267.6	372.4	418.3	528.0	749.9	910.7	1006.3	1064.1	1239.0
32.5°	133.7	214.3	404.6	627.2	818.9	927.6	1137.2	1489.6	1823.0	2022.0	2020.1
30°	188.9	341.4	598.0	940.1	1312.7	1618.4	1791.7	2244.5	2879.9	3331.8	3633.0
27.5°	270.5	496.0	896.3	1391.9	1914.0	2432.9	2778.8	3367.2	4222.2	4910.9	5554.3
25°	370.3	741.4	1232.4	1929.3	2696.9	3356.1	3853.7	4671.5	5754.9	6835.2	7911.5
22.5°	529.1	1026.5	1605.3	2516.7	3561.0	4310.3	5041.0	6037.8	7290.9	8807.5	10448.6
20°	750.5	1358.2	2003.5	2977.7	4425.2	5281.5	6178.7	7368.4	8829.9	10673.1	12864.2
17.5°	989.7	1671.5	2394.0	3480.0	4892.3	6078.9	7283.6	8639.4	10277.3	12415.5	14775.8
15°	1241.3	1966.0	2742.9	3928.5	5329.5	6611.6	8037.0	9800.4	11731.8	14044.2	16513.2
12.5°	1499.3	2241.8	3052.0	4323.6	5747.0	7094.2	8614.4	10448.4	12695.3	15407.7	17999.6
10°	1757.2	2498.8	3323.7	4665.9	6138.6	7525.7	9110.2	10986.7	13272.7	15990.3	18791.8
7.5°	1915.4	2668.3	3545.7	4956.6	6497.7	7905.2	9526.4	11419.1	13672.7	16406.8	19294.0
5°	2035.0	2744.5	3661.1	5154.6	6781.6	8186.4	9851.2	11750.5	13913.4	16660.5	19675.5
2.5°	2128.0	2800.7	3753.3	5301.8	6996.3	8339.2	10044.5	11962.5	14164.3	16976.0	20060.6
0°	2193.6	2838.6	3820.2	5402.8	7157.7	8437.8	10170.6	12089.7	14339.4	17250.2	20403.3
-2.5°	2257.4	2956.0	3956.3	5531.6	7181.0	8452.5	10218.6	12094.9	14339.3	17197.0	20261.2
-5°	2297.5	3053.7	4063.7	5612.7	7157.1	8422.2	10192.1	12022.3	14183.1	16885.2	19734.7
-7.5°	2318.3	3128.5	4141.4	5624.9	7033.5	8244.5	9873.5	11594.0	13667.3	16199.3	18826.7
-10°	2329.3	3173.5	4133.1	5455.6	6776.7	7958.9	9448.2	11096.5	13049.5	15404.0	17835.0
-12.5°	2359.9	3197.9	4095.7	5270.8	6497.9	7636.0	8976.4	10537.3	12332.8	14514.7	16745.0
-15°	2376.5	3210.2	4043.6	5080.0	6204.8	7278.3	8465.8	9921.9	11556.5	13508.2	15487.1
-17.5°	2381.1	3212.5	3980.2	4892.2	5904.6	6888.5	7963.4	9394.6	10882.9	12568.3	14255.9
-20°	2375.9	3206.5	3908.3	4715.3	5609.5	6605.2	7690.4	8939.0	10271.3	11696.4	13102.4



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 CATALOG NUMBER: EPH-LS-08-0640L-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°	2362.8	3193.9	3847.8	4589.8	5467.8	6419.6	7417.9	8498.3	9644.7	10882.2	12308.1
-25°	2356.2	3148.1	3807.2	4501.0	5330.6	6224.5	7131.3	8091.2	9090.7	10386.7	11746.7
-27.5°	2345.9	3099.6	3727.7	4377.8	5171.9	6027.4	6877.8	7754.0	8780.1	9944.4	11206.5
-30°	2314.9	2982.5	3619.6	4233.6	5004.0	5828.2	6640.4	7473.2	8444.1	9541.9	10712.8
-32.5°	2227.8	2849.5	3475.9	4092.6	4801.9	5609.8	6395.2	7202.7	8103.4	9087.0	10213.4
-35°	2130.3	2712.4	3314.7	3917.9	4565.8	5345.0	6109.2	6889.7	7725.8	8648.6	9698.8
-37.5°	2059.4	2565.0	3142.2	3721.0	4342.8	5035.1	5784.5	6535.8	7327.3	8206.7	9200.0
-40°	1974.9	2408.0	2967.1	3521.1	4087.1	4725.3	5425.4	6146.6	6889.6	7766.6	8676.8
-42.5°	1880.4	2298.6	2785.5	3309.1	3842.9	4423.0	5047.7	5733.9	6479.5	7295.3	8149.9
-45°	1798.8	2175.8	2603.9	3093.9	3589.8	4115.3	4694.7	5308.2	6044.7	6803.6	7597.3
-47.5°	1706.0	2047.5	2450.1	2866.4	3333.6	3818.2	4330.5	4928.1	5582.3	6293.1	7021.1
-50°	1605.7	1931.1	2274.5	2661.6	3075.7	3519.3	3987.1	4532.3	5129.5	5764.5	6434.4
-52.5°	1504.8	1802.8	2118.9	2455.9	2831.9	3230.5	3663.9	4149.4	4677.9	5234.4	5825.5
-55°	1394.2	1672.6	1960.2	2265.8	2593.7	2955.5	3342.9	3777.0	4231.4	4735.8	5233.0
-57.5°	1280.6	1532.3	1797.6	2080.6	2375.4	2682.9	3034.0	3401.7	3812.3	4243.5	4682.2
-60°	1161.9	1387.4	1627.8	1888.1	2161.9	2439.0	2723.4	3049.2	3397.7	3756.0	4148.2
-62.5°	1037.4	1239.9	1454.9	1685.6	1936.2	2187.0	2442.1	2711.5	2993.9	3315.7	3642.9
-65°	914.1	1088.4	1279.8	1485.1	1699.8	1925.0	2153.7	2384.5	2631.6	2896.7	3172.2
-67.5°	784.1	941.5	1106.1	1280.4	1471.0	1662.2	1861.8	2070.5	2280.5	2495.3	2721.4
-70°	667.0	791.9	935.3	1087.4	1241.3	1397.9	1570.4	1749.6	1932.6	2115.3	2303.3
-72.5°	549.0	656.3	771.0	892.5	1021.7	1150.6	1285.3	1425.0	1573.6	1727.5	1883.7
-75°	441.7	517.9	611.8	713.1	811.8	908.9	1009.8	1123.5	1241.1	1359.7	1478.0
-77.5°	342.6	403.3	468.6	538.4	607.1	685.0	764.9	846.4	931.5	1019.0	1107.5
-80°	248.0	286.4	334.6	386.7	436.5	487.0	538.9	591.9	647.5	708.7	774.9
-82.5°	164.4	191.7	220.4	250.3	278.1	305.6	335.1	371.2	407.7	445.2	483.4
-85°	87.9	96.0	113.0	130.8	148.5	166.2	183.9	201.6	219.7	237.3	254.4
-87.5°	51.0	55.1	59.2	63.4	67.9	72.3	76.7	81.2	87.1	93.2	99.2
-90°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0
87.5°	10.9	10.1	9.3	8.5	7.6	10.0	12.4	15.0	17.5	16.2	14.8
85°	22.2	22.3	22.5	22.6	22.6	25.3	27.9	30.5	33.0	30.4	27.7
82.5°	41.9	41.3	39.9	37.7	35.0	34.3	33.4	32.1	30.5	29.2	28.0
80°	66.5	63.1	58.8	53.6	47.8	44.8	42.1	39.0	35.6	34.6	33.8
77.5°	89.4	83.2	75.8	67.9	59.4	54.0	49.2	44.0	38.5	37.0	36.0
75°	105.6	97.7	87.1	75.9	64.0	55.7	49.1	42.6	36.1	34.6	34.3
72.5°	114.0	103.1	89.6	73.8	58.8	48.8	42.6	37.1	32.2	30.4	29.6
70°	107.1	90.6	75.1	60.6	47.2	38.2	33.9	30.0	26.6	25.7	26.2
67.5°	90.5	73.8	59.8	47.3	36.6	29.3	26.7	24.7	23.1	22.6	22.5
65°	70.7	56.7	45.2	35.7	28.0	23.5	22.7	21.8	21.0	20.3	19.7
62.5°	52.2	41.5	34.2	28.8	24.7	22.0	21.3	20.4	19.4	18.4	17.6
60°	40.6	32.2	28.5	26.2	24.1	22.3	21.6	21.2	20.8	20.5	19.9
57.5°	35.3	31.0	27.6	26.3	25.2	24.3	23.9	23.5	22.8	21.9	21.2
55°	34.5	31.1	28.2	27.4	26.9	26.3	25.7	25.0	24.2	23.3	22.9
52.5°	34.5	33.1	30.8	29.8	30.3	29.5	27.8	28.7	28.8	28.0	27.5
50°	39.0	39.4	39.9	36.6	40.0	41.5	39.4	41.1	43.6	43.9	43.7
47.5°	55.3	59.0	63.8	60.1	64.5	71.2	70.6	71.1	77.1	77.8	77.6
45°	88.2	104.1	111.7	116.0	114.4	129.9	132.9	127.9	136.1	137.7	135.3
42.5°	176.6	185.5	205.4	221.2	212.1	228.2	232.9	218.4	232.6	238.9	232.1
40°	395.6	314.5	373.4	414.1	399.9	368.9	422.8	403.5	401.6	424.1	406.5
37.5°	781.0	693.2	753.6	869.7	865.5	719.3	882.4	871.8	732.8	897.5	883.2
35°	1400.6	1562.8	1490.4	1707.6	1770.5	1803.2	1893.7	1987.2	1884.8	2019.7	2016.2
32.5°	2507.8	2844.4	2993.2	3019.6	3298.4	3525.5	3429.3	3793.6	3771.4	3862.5	3955.5
30°	3959.1	4709.4	5089.1	5098.6	5561.0	5967.9	6097.1	6554.3	6824.7	6779.8	7232.7
27.5°	6316.8	7053.9	7679.2	8212.9	8573.2	9214.9	10108.0	10558.7	11223.1	11483.7	12109.8
25°	8980.8	9896.5	10883.8	11812.4	12574.9	13724.4	14836.0	15536.9	16487.6	17232.6	17989.6
22.5°	11866.7	13081.5	14348.2	15737.3	17155.5	18557.9	19908.1	21203.1	22470.5	23870.4	24726.2
20°	14817.1	16190.3	17732.0	19614.7	21582.4	23273.4	25117.7	27148.3	29089.6	30896.5	32261.4
17.5°	17059.3	19184.1	20854.5	22891.1	25334.6	27716.9	30068.1	32745.9	35215.7	37519.5	39574.0
15°	18771.5	20998.9	23419.9	25878.2	28452.3	31288.8	34523.0	37453.1	40504.0	43213.5	45751.0
12.5°	20263.9	22525.2	25058.9	27925.9	31172.7	34218.1	37607.6	41272.1	44509.0	47691.9	50072.8
10°	21365.4	23877.4	26446.0	29328.6	32639.5	36195.1	39868.4	43572.6	47202.0	50274.6	52832.5
7.5°	21973.0	24640.9	27328.2	30338.5	33742.5	37239.8	40909.3	44776.7	48430.0	51594.3	53943.4
5°	22467.6	25179.8	27836.2	30858.4	34405.2	37879.2	41394.5	45085.7	48910.9	52032.0	54475.9
2.5°	22899.3	25545.6	28136.7	31079.3	34734.4	38223.9	41838.2	45664.5	49363.6	52374.4	54753.3
0°	23274.0	25772.1	28306.2	31223.0	35045.2	38577.0	42132.8	45876.9	49645.1	52577.8	54985.8
-2.5°	23002.9	25452.3	27949.3	30930.7	34575.9	38050.1	41625.9	45417.5	48986.6	51957.3	54291.8
-5°	22296.1	24655.5	27135.0	30109.2	33588.7	36991.6	40519.9	44172.0	47527.0	50497.0	52644.4
-7.5°	21262.7	23572.4	26042.3	28969.9	32207.7	35296.2	38449.5	41834.8	45174.3	47796.5	49841.8
-10°	20114.0	22312.3	24585.6	27160.4	30027.3	32912.1	35809.5	38956.5	41898.9	44361.1	46330.0
-12.5°	18750.1	20702.9	22796.0	25041.7	27673.8	30421.4	33184.3	35940.8	38654.7	40869.6	42653.2
-15°	17277.0	19003.9	20915.6	23087.8	25432.9	27857.4	30349.8	32982.2	35426.3	37489.4	39062.0
-17.5°	15823.9	17370.3	19313.3	21288.2	23183.4	25406.6	27885.4	30062.2	32292.6	34145.2	35534.5
-20°	14592.0	16255.6	17945.1	19632.6	21443.0	23604.4	25706.1	27758.4	29740.5	31427.3	32808.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13788.9	15250.6	16692.3	18288.4	20128.9	22036.2	23938.3	25804.3	27598.2	29200.6	30514.4
-25°	13058.7	14295.6	15723.2	17343.8	18897.9	20571.0	22366.9	23926.5	25628.1	27079.3	28203.4
-27.5°	12420.3	13644.3	15045.4	16502.9	17908.6	19416.6	21052.4	22540.9	24072.2	25467.5	26448.4
-30°	11864.4	13132.5	14450.0	15783.4	17107.1	18502.4	19924.2	21362.9	22767.8	24033.0	24975.7
-32.5°	11390.7	12580.3	13815.9	15056.8	16263.7	17534.6	18853.6	20176.2	21477.8	22584.8	23507.8
-35°	10852.2	11991.0	13139.1	14253.5	15371.4	16508.2	17732.2	18970.4	20135.0	21145.8	22046.8
-37.5°	10251.2	11348.4	12396.1	13410.6	14446.9	15498.2	16631.9	17769.4	18839.1	19754.0	20613.1
-40°	9653.1	10652.9	11601.9	12548.7	13498.7	14483.1	15508.6	16527.1	17466.1	18331.4	19132.0
-42.5°	9031.5	9906.7	10770.5	11651.9	12528.3	13416.0	14332.1	15258.4	16095.1	16884.3	17594.0
-45°	8404.5	9155.6	9918.6	10726.1	11526.3	12323.2	13116.3	13898.3	14681.7	15417.1	16016.5
-47.5°	7737.7	8415.5	9108.3	9802.5	10519.6	11247.0	11940.3	12617.2	13309.1	13966.4	14461.6
-50°	7064.8	7692.3	8318.5	8930.1	9564.0	10203.9	10835.5	11431.3	12011.0	12570.0	12957.1
-52.5°	6387.0	6967.3	7541.2	8094.3	8644.3	9189.7	9724.9	10253.4	10761.4	11240.4	11547.4
-55°	5743.4	6261.0	6765.5	7248.6	7734.0	8213.0	8685.0	9147.4	9585.8	9997.7	10234.4
-57.5°	5138.1	5588.9	6030.7	6446.6	6852.9	7247.6	7664.8	8084.9	8479.6	8833.6	9024.4
-60°	4548.2	4954.3	5333.4	5681.1	6029.5	6376.2	6727.7	7074.6	7412.5	7706.5	7870.7
-62.5°	3968.1	4315.1	4637.8	4936.9	5224.7	5511.0	5815.9	6108.5	6386.9	6613.8	6753.0
-65°	3459.8	3753.8	3995.4	4233.6	4470.0	4721.8	4975.0	5216.6	5445.2	5623.0	5740.2
-67.5°	2965.7	3207.4	3408.5	3606.2	3804.1	4004.3	4208.2	4405.8	4595.5	4739.3	4841.2
-70°	2495.9	2678.6	2836.1	2997.0	3161.0	3324.6	3488.4	3646.2	3796.8	3906.3	3988.3
-72.5°	2041.5	2182.7	2305.3	2430.2	2553.4	2680.2	2807.1	2929.1	3045.2	3123.6	3181.2
-75°	1595.5	1698.0	1796.3	1891.6	1983.5	2077.8	2171.2	2260.4	2344.9	2404.3	2451.7
-77.5°	1201.3	1274.0	1338.1	1401.0	1462.2	1527.7	1591.7	1652.1	1708.6	1749.9	1784.7
-80°	841.5	888.5	929.4	967.9	1003.9	1044.5	1084.2	1121.8	1156.9	1181.0	1200.2
-82.5°	522.2	549.8	574.4	597.1	617.7	639.0	658.7	676.6	692.6	711.4	728.9
-85°	270.9	282.3	292.7	302.4	311.3	320.0	327.9	334.8	341.0	344.4	346.8
-87.5°	105.3	108.0	110.4	112.6	114.6	117.4	120.0	122.4	124.6	126.7	128.6
-90°	6.0	5.5	5.0	4.5	4.0	4.0	4.0	4.0	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°	25.5	26.0	26.0	26.0	26.0	26.0	25.5	25.0	24.5	24.0	23.5
87.5°	13.4	12.0	11.0	10.0	11.0	12.0	13.4	14.8	16.2	17.5	15.0
85°	24.9	21.9	20.0	18.0	20.0	21.9	24.9	27.7	30.4	33.0	30.5
82.5°	27.0	26.0	26.0	26.0	26.0	26.0	27.0	28.0	29.2	30.5	32.1
80°	32.9	32.0	33.1	34.1	33.1	32.0	32.9	33.8	34.6	35.6	39.0
77.5°	35.1	34.1	34.1	34.1	34.1	34.1	35.1	36.0	37.0	38.5	44.0
75°	34.2	34.1	33.1	32.1	33.1	34.1	34.2	34.3	34.6	36.1	42.6
72.5°	28.9	28.2	28.0	28.0	28.0	28.2	28.9	29.6	30.4	32.2	37.1
70°	26.9	27.9	27.1	26.0	27.1	27.9	26.9	26.2	25.7	26.6	30.0
67.5°	22.4	22.2	22.0	22.0	22.0	22.2	22.4	22.5	22.6	23.1	24.7
65°	19.0	18.3	18.0	18.0	18.0	18.3	19.0	19.7	20.3	21.0	21.8
62.5°	16.9	16.2	16.0	16.0	16.0	16.2	16.9	17.6	18.4	19.4	20.4
60°	19.1	18.2	17.1	16.0	17.1	18.2	19.1	19.9	20.5	20.8	21.2
57.5°	20.6	20.1	20.0	20.0	20.0	20.1	20.6	21.2	21.9	22.8	23.5
55°	22.6	22.1	22.0	22.0	22.0	22.1	22.6	22.9	23.3	24.2	25.0
52.5°	27.0	26.2	25.2	24.0	25.2	26.2	27.0	27.5	28.0	28.8	28.7
50°	42.9	40.8	39.8	40.1	39.8	40.8	42.9	43.7	43.9	43.6	41.1
47.5°	79.1	79.0	78.7	78.1	78.7	79.0	79.1	77.6	77.8	77.1	71.1
45°	134.6	129.2	124.0	122.2	124.0	129.2	134.6	135.3	137.7	136.1	127.9
42.5°	236.6	235.4	231.2	226.4	231.2	235.4	236.6	232.1	238.9	232.6	218.4
40°	411.1	405.5	395.9	398.7	395.9	405.5	411.1	406.5	424.1	401.6	403.5
37.5°	856.1	815.0	752.7	753.2	752.7	815.0	856.1	883.2	897.5	732.8	871.8
35°	2003.9	2037.5	1997.7	1997.3	1997.7	2037.5	2003.9	2016.2	2019.7	1884.8	1987.2
32.5°	3834.9	3779.2	3553.3	3435.6	3553.3	3779.2	3834.9	3955.5	3862.5	3771.4	3793.6
30°	7224.6	7260.4	6921.8	6929.3	6921.8	7260.4	7224.6	7232.7	6779.8	6824.7	6554.3
27.5°	12362.2	12637.3	12564.9	12444.3	12564.9	12637.3	12362.2	12109.8	11483.7	11223.1	10558.7
25°	18486.0	18693.2	18554.5	18470.2	18554.5	18693.2	18486.0	17989.6	17232.6	16487.6	15536.9
22.5°	25557.2	25845.7	25773.2	25407.5	25773.2	25845.7	25557.2	24726.2	23870.4	22470.5	21203.1
20°	33385.3	33879.3	34166.3	33981.5	34166.3	33879.3	33385.3	32261.4	30896.5	29089.6	27148.3
17.5°	41033.1	41670.3	42158.8	42323.1	42158.8	41670.3	41033.1	39574.0	37519.5	35215.7	32745.9
15°	47464.1	48375.2	49016.9	49244.4	49016.9	48375.2	47464.1	45751.0	43213.5	40504.0	37453.1
12.5°	52079.2	53265.0	54017.6	54243.6	54017.6	53265.0	52079.2	50072.8	47691.9	44509.0	41272.1
10°	54617.0	56111.8	56968.4	57325.6	56968.4	56111.8	54617.0	52832.5	50274.6	47202.0	43572.6
7.5°	56034.9	57385.1	58194.5	58314.3	58194.5	57385.1	56034.9	53943.4	51594.3	48430.0	44776.7
5°	56495.1	57721.6	58389.7	58451.5	58389.7	57721.6	56495.1	54475.9	52032.0	48910.9	45085.7
2.5°	56696.6	57733.2	58226.0	58099.9	58226.0	57733.2	56696.6	54753.3	52374.4	49363.6	45664.5
0°	56593.5	57520.0	58042.8	58120.9	58042.8	57520.0	56593.5	54985.8	52577.8	49645.1	45876.9
-2.5°	55753.0	56443.0	56813.8	56575.4	56813.8	56443.0	55753.0	54291.8	51957.3	48986.6	45417.5
-5°	53836.9	54333.3	54488.2	54575.1	54488.2	54333.3	53836.9	52644.4	50497.0	47527.0	44172.0
-7.5°	51067.5	51472.6	51625.4	51518.2	51625.4	51472.6	51067.5	49841.8	47796.5	45174.3	41834.8
-10°	47417.1	47788.4	47918.1	47844.1	47918.1	47788.4	47417.1	46330.0	44361.1	41898.9	38956.5
-12.5°	43722.1	44162.0	44262.9	44269.3	44262.9	44162.0	43722.1	42653.2	40869.6	38654.7	35940.8
-15°	40089.7	40592.7	40746.4	40880.8	40746.4	40592.7	40089.7	39062.0	37489.4	35426.3	32982.2
-17.5°	36520.4	37020.1	37149.8	36974.4	37149.8	37020.1	36520.4	35534.5	34145.2	32292.6	30062.2
-20°	33586.6	33845.6	34122.0	34119.7	34122.0	33845.6	33586.6	32808.7	31427.3	29740.5	27758.4



REPORT NUMBER: P701575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31163.5	31591.7	31827.0	31994.3	31827.0	31591.7	31163.5	30514.4	29200.6	27598.2	25804.3
-25°	28890.9	29254.5	29400.7	29512.2	29400.7	29254.5	28890.9	28203.4	27079.3	25628.1	23926.5
-27.5°	27140.2	27509.2	27717.9	27841.5	27717.9	27509.2	27140.2	26448.4	25467.5	24072.2	22540.9
-30°	25743.9	26106.5	26355.1	26511.3	26355.1	26106.5	25743.9	24975.7	24033.0	22767.8	21362.9
-32.5°	24239.5	24618.7	24877.9	25038.9	24877.9	24618.7	24239.5	23507.8	22584.8	21477.8	20176.2
-35°	22676.0	23055.4	23335.1	23466.3	23335.1	23055.4	22676.0	22046.8	21145.8	20135.0	18970.4
-37.5°	21157.2	21511.3	21758.5	21855.7	21758.5	21511.3	21157.2	20613.1	19754.0	18839.1	17769.4
-40°	19573.9	19908.0	20137.7	20227.0	20137.7	19908.0	19573.9	19132.0	18331.4	17466.1	16527.1
-42.5°	17977.5	18289.2	18501.3	18590.4	18501.3	18289.2	17977.5	17594.0	16884.3	16095.1	15258.4
-45°	16360.3	16637.5	16817.1	16885.6	16817.1	16637.5	16360.3	16016.5	15417.1	14681.7	13898.3
-47.5°	14768.5	15018.5	15172.9	15222.9	15172.9	15018.5	14768.5	14461.6	13966.4	13309.1	12617.2
-50°	13214.7	13419.5	13560.7	13640.3	13560.7	13419.5	13214.7	12957.1	12570.0	12011.0	11431.3
-52.5°	11777.5	11963.5	12074.3	12117.8	12074.3	11963.5	11777.5	11547.4	11240.4	10761.4	10253.4
-55°	10430.5	10591.5	10685.6	10723.5	10685.6	10591.5	10430.5	10234.4	9997.7	9585.8	9147.4
-57.5°	9186.6	9318.5	9407.3	9457.4	9407.3	9318.5	9186.6	9024.4	8833.6	8479.6	8084.9
-60°	8007.2	8115.3	8189.8	8233.4	8189.8	8115.3	8007.2	7870.7	7706.5	7412.5	7074.6
-62.5°	6868.7	6960.5	7020.9	7055.5	7020.9	6960.5	6868.7	6753.0	6613.8	6386.9	6108.5
-65°	5839.3	5919.8	5958.7	5973.8	5958.7	5919.8	5839.3	5740.2	5623.0	5445.2	5216.6
-67.5°	4928.6	5001.1	5027.4	5032.2	5027.4	5001.1	4928.6	4841.2	4739.3	4595.5	4405.8
-70°	4059.3	4118.4	4138.3	4140.8	4138.3	4118.4	4059.3	3988.3	3906.3	3796.8	3646.2
-72.5°	3228.6	3265.8	3294.6	3313.4	3294.6	3265.8	3228.6	3181.2	3123.6	3045.2	2929.1
-75°	2491.3	2523.2	2537.1	2542.2	2537.1	2523.2	2491.3	2451.7	2404.3	2344.9	2260.4
-77.5°	1814.4	1838.6	1844.1	1843.0	1844.1	1838.6	1814.4	1784.7	1749.9	1708.6	1652.1
-80°	1215.4	1226.7	1234.1	1238.0	1234.1	1226.7	1215.4	1200.2	1181.0	1156.9	1121.8
-82.5°	744.6	758.3	744.2	727.2	744.2	758.3	744.6	728.9	711.4	692.6	676.6
-85°	348.3	348.9	350.2	350.6	350.2	348.9	348.3	346.8	344.4	341.0	334.8
-87.5°	130.3	131.8	131.1	130.2	131.1	131.8	130.3	128.6	126.7	124.6	122.4
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	23.0	22.5	22.0	21.5	21.0	20.5	20.0	19.0	18.0	17.0	16.0
87.5°	12.4	10.0	7.6	8.5	9.3	10.1	10.9	10.4	9.8	9.3	8.8
85°	27.9	25.3	22.6	22.6	22.5	22.3	22.2	21.8	21.1	20.3	19.2
82.5°	33.4	34.3	35.0	37.7	39.9	41.3	41.9	41.7	40.9	39.4	37.1
80°	42.1	44.8	47.8	53.6	58.8	63.1	66.5	68.0	68.7	68.5	66.2
77.5°	49.2	54.0	59.4	67.9	75.8	83.2	89.4	93.0	94.8	95.6	92.8
75°	49.1	55.7	64.0	75.9	87.1	97.7	105.6	111.1	115.5	118.9	115.9
72.5°	42.6	48.8	58.8	73.8	89.6	103.1	114.0	123.1	131.1	137.9	133.2
70°	33.9	38.2	47.2	60.6	75.1	90.6	107.1	123.6	139.9	150.6	142.9
67.5°	26.7	29.3	36.6	47.3	59.8	73.8	90.5	109.5	127.9	145.1	141.7
65°	22.7	23.5	28.0	35.7	45.2	56.7	70.7	87.3	106.9	126.5	127.2
62.5°	21.3	22.0	24.7	28.8	34.2	41.5	52.2	66.8	83.6	97.1	101.9
60°	21.6	22.3	24.1	26.2	28.5	32.2	40.6	50.5	61.9	73.3	79.1
57.5°	23.9	24.3	25.2	26.3	27.6	31.0	35.3	40.0	49.4	56.0	61.0
55°	25.7	26.3	26.9	27.4	28.2	31.1	34.5	38.5	42.7	44.7	50.9
52.5°	27.8	29.5	30.3	29.8	30.8	33.1	34.5	37.9	41.5	43.9	45.4
50°	39.4	41.5	40.0	36.6	39.9	39.4	39.0	39.9	43.9	46.1	46.0
47.5°	70.6	71.2	64.5	60.1	63.8	59.0	55.3	52.2	58.4	52.5	51.9
45°	132.9	129.9	114.4	116.0	111.7	104.1	88.2	96.6	89.3	80.1	61.5
42.5°	232.9	228.2	212.1	221.2	205.4	185.5	176.6	185.7	155.5	126.3	133.1
40°	422.8	368.9	399.9	414.1	373.4	314.5	395.6	339.9	289.6	208.3	274.1
37.5°	882.4	719.3	865.5	869.7	753.6	693.2	781.0	704.0	491.6	519.9	529.0
35°	1893.7	1803.2	1770.5	1707.6	1490.4	1562.8	1400.6	1239.0	1064.1	1006.3	910.7
32.5°	3429.3	3525.5	3298.4	3019.6	2993.2	2844.4	2507.8	2020.1	2022.0	1823.0	1489.6
30°	6097.1	5967.9	5561.0	5098.6	5089.1	4709.4	3959.1	3633.0	3331.8	2879.9	2244.5
27.5°	10108.0	9214.9	8573.2	8212.9	7679.2	7053.9	6316.8	5554.3	4910.9	4222.2	3367.2
25°	14836.0	13724.4	12574.9	11812.4	10883.8	9896.5	8980.8	7911.5	6835.2	5754.9	4671.5
22.5°	19908.1	18557.9	17155.5	15737.3	14348.2	13081.5	11866.7	10448.6	8807.5	7290.9	6037.8
20°	25117.7	23273.4	21582.4	19614.7	17732.0	16190.3	14817.1	12864.2	10673.1	8829.9	7368.4
17.5°	30068.1	27716.9	25334.6	22891.1	20854.5	19184.1	17059.3	14775.8	12415.5	10277.3	8639.4
15°	34523.0	31288.8	28452.3	25878.2	23419.9	20998.9	18771.5	16513.2	14044.2	11731.8	9800.4
12.5°	37607.6	34218.1	31172.7	27925.9	25058.9	22525.2	20263.9	17999.6	15407.7	12695.3	10448.4
10°	39868.4	36195.1	32639.5	29328.6	26446.0	23877.4	21365.4	18791.8	15990.3	13272.7	10986.7
7.5°	40909.3	37239.8	33742.5	30338.5	27328.2	24640.9	21973.0	19294.0	16406.8	13672.7	11419.1
5°	41394.5	37879.2	34405.2	30858.4	27836.2	25179.8	22467.6	19675.5	16660.5	13913.4	11750.5
2.5°	41838.2	38223.9	34734.4	31079.3	28136.7	25545.6	22899.3	20060.6	16976.0	14164.3	11962.5
0°	42132.8	38577.0	35045.2	31223.0	28306.2	25772.1	23274.0	20403.3	17250.2	14339.4	12089.7
-2.5°	41625.9	38050.1	34575.9	30930.7	27949.3	25452.3	23002.9	20261.2	17197.0	14339.3	12094.9
-5°	40519.9	36991.6	33588.7	30109.2	27135.0	24655.5	22296.1	19734.7	16885.2	14183.1	12022.3
-7.5°	38449.5	35296.2	32207.7	28969.9	26042.3	23572.4	21262.7	18826.7	16199.3	13667.3	11594.0
-10°	35809.5	32912.1	30027.3	27160.4	24585.6	22312.3	20114.0	17835.0	15404.0	13049.5	11096.5
-12.5°	33184.3	30421.4	27673.8	25041.7	22796.0	20702.9	18750.1	16745.0	14514.7	12332.8	10537.3
-15°	30349.8	27857.4	25432.9	23087.8	20915.6	19003.9	17277.0	15487.1	13508.2	11556.5	9921.9
-17.5°	27885.4	25406.6	23183.4	21288.2	19313.3	17370.3	15823.9	14255.9	12568.3	10882.9	9394.6
-20°	25706.1	23604.4	21443.0	19632.6	17945.1	16255.6	14592.0	13102.4	11696.4	10271.3	8939.0



REPORT NUMBER: P701575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23938.3	22036.2	20128.9	18288.4	16692.3	15250.6	13788.9	12308.1	10882.2	9644.7	8498.3
-25°	22366.9	20571.0	18897.9	17343.8	15723.2	14295.6	13058.7	11746.7	10386.7	9090.7	8091.2
-27.5°	21052.4	19416.6	17908.6	16502.9	15045.4	13644.3	12420.3	11206.5	9944.4	8780.1	7754.0
-30°	19924.2	18502.4	17107.1	15783.4	14450.0	13132.5	11864.4	10712.8	9541.9	8444.1	7473.2
-32.5°	18853.6	17534.6	16263.7	15056.8	13815.9	12580.3	11390.7	10213.4	9087.0	8103.4	7202.7
-35°	17732.2	16508.2	15371.4	14253.5	13139.1	11991.0	10852.2	9698.8	8648.6	7725.8	6889.7
-37.5°	16631.9	15498.2	14446.9	13410.6	12396.1	11348.4	10251.2	9200.0	8206.7	7327.3	6535.8
-40°	15508.6	14483.1	13498.7	12548.7	11601.9	10652.9	9653.1	8676.8	7766.6	6889.6	6146.6
-42.5°	14332.1	13416.0	12528.3	11651.9	10770.5	9906.7	9031.5	8149.9	7295.3	6479.5	5733.9
-45°	13116.3	12323.2	11526.3	10726.1	9918.6	9155.6	8404.5	7597.3	6803.6	6044.7	5308.2
-47.5°	11940.3	11247.0	10519.6	9802.5	9108.3	8415.5	7737.7	7021.1	6293.1	5582.3	4928.1
-50°	10835.5	10203.9	9564.0	8930.1	8318.5	7692.3	7064.8	6434.4	5764.5	5129.5	4532.3
-52.5°	9724.9	9189.7	8644.3	8094.3	7541.2	6967.3	6387.0	5825.5	5234.4	4677.9	4149.4
-55°	8685.0	8213.0	7734.0	7248.6	6765.5	6261.0	5743.4	5233.0	4735.8	4231.4	3777.0
-57.5°	7664.8	7247.6	6852.9	6446.6	6030.7	5588.9	5138.1	4682.2	4243.5	3812.3	3401.7
-60°	6727.7	6376.2	6029.5	5681.1	5333.4	4954.3	4548.2	4148.2	3756.0	3397.7	3049.2
-62.5°	5815.9	5511.0	5224.7	4936.9	4637.8	4315.1	3968.1	3642.9	3315.7	2993.9	2711.5
-65°	4975.0	4721.8	4470.0	4233.6	3995.4	3753.8	3459.8	3172.2	2896.7	2631.6	2384.5
-67.5°	4208.2	4004.3	3804.1	3606.2	3408.5	3207.4	2965.7	2721.4	2495.3	2280.5	2070.5
-70°	3488.4	3324.6	3161.0	2997.0	2836.1	2678.6	2495.9	2303.3	2115.3	1932.6	1749.6
-72.5°	2807.1	2680.2	2553.4	2430.2	2305.3	2182.7	2041.5	1883.7	1727.5	1573.6	1425.0
-75°	2171.2	2077.8	1983.5	1891.6	1796.3	1698.0	1595.5	1478.0	1359.7	1241.1	1123.5
-77.5°	1591.7	1527.7	1462.2	1401.0	1338.1	1274.0	1201.3	1107.5	1019.0	931.5	846.4
-80°	1084.2	1044.5	1003.9	967.9	929.4	888.5	841.5	774.9	708.7	647.5	591.9
-82.5°	658.7	639.0	617.7	597.1	574.4	549.8	522.2	483.4	445.2	407.7	371.2
-85°	327.9	320.0	311.3	302.4	292.7	282.3	270.9	254.4	237.3	219.7	201.6
-87.5°	120.0	117.4	114.6	112.6	110.4	108.0	105.3	99.2	93.2	87.1	81.2
-90°	4.0	4.0	4.0	4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.0



REPORT NUMBER: P701575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	15.5	15.0	14.5	14.0	14.0	14.0	14.0	14.0	13.5	13.0	12.5
87.5°	10.4	11.8	13.0	14.0	13.2	12.5	11.8	11.1	11.5	11.8	12.0
85°	19.6	20.2	21.1	22.1	20.7	19.0	17.5	16.2	16.5	16.6	16.5
82.5°	33.6	31.8	30.8	30.3	30.0	29.1	27.4	24.9	22.5	21.4	21.1
80°	59.4	53.2	47.6	42.8	40.2	39.3	38.2	35.5	30.1	26.4	24.4
77.5°	83.4	74.6	66.7	58.9	51.9	47.2	44.8	43.7	37.4	31.1	27.0
75°	105.2	93.8	83.1	72.7	62.6	54.4	48.7	44.9	40.1	35.2	29.3
72.5°	119.8	107.6	96.6	85.2	72.0	61.1	52.4	46.1	41.2	36.1	31.1
70°	130.0	118.1	105.6	92.6	79.6	67.1	56.1	48.6	42.2	37.0	31.9
67.5°	136.2	122.8	110.5	98.7	85.4	72.0	59.3	51.2	44.6	37.9	32.6
65°	122.5	118.2	113.1	100.5	88.7	76.5	63.0	54.0	46.8	39.9	33.3
62.5°	104.8	104.9	101.9	98.8	89.4	77.8	66.8	57.6	49.1	41.8	34.6
60°	82.9	86.7	89.6	88.9	85.7	77.7	68.1	60.8	51.8	43.6	36.2
57.5°	67.0	69.6	75.3	78.7	77.8	74.1	68.9	62.4	54.2	45.5	37.8
55°	54.8	59.5	64.1	68.2	70.0	67.9	68.5	63.4	56.1	47.2	39.6
52.5°	48.5	53.2	57.9	60.6	62.7	63.7	66.7	64.4	57.1	48.7	41.5
50°	46.7	51.6	55.1	57.2	57.4	62.2	66.1	64.7	58.2	49.9	43.7
47.5°	53.7	57.8	56.6	56.3	56.2	62.3	66.9	65.8	59.2	50.9	46.0
45°	79.9	73.3	65.8	60.2	60.3	66.7	69.2	67.8	61.3	53.8	48.6
42.5°	126.6	113.8	87.0	65.8	77.2	73.9	72.8	71.2	64.1	57.1	51.5
40°	256.1	179.3	123.9	114.8	106.0	83.7	80.8	75.7	67.9	61.4	54.7
37.5°	436.7	316.4	200.7	205.0	158.0	119.0	90.8	81.3	74.5	66.8	58.2
35°	749.9	528.0	418.3	372.4	267.6	162.7	102.2	89.1	82.4	72.6	61.9
32.5°	1137.2	927.6	818.9	627.2	404.6	214.3	133.7	104.0	91.4	78.6	65.9
30°	1791.7	1618.4	1312.7	940.1	598.0	341.4	188.9	121.0	101.2	84.8	70.2
27.5°	2778.8	2432.9	1914.0	1391.9	896.3	496.0	270.5	140.0	111.9	91.9	75.3
25°	3853.7	3356.1	2696.9	1929.3	1232.4	741.4	370.3	163.0	126.1	100.4	80.4
22.5°	5041.0	4310.3	3561.0	2516.7	1605.3	1026.5	529.1	239.2	142.8	109.3	85.5
20°	6178.7	5281.5	4425.2	2977.7	2003.5	1358.2	750.5	324.6	160.2	118.4	90.5
17.5°	7283.6	6078.9	4892.3	3480.0	2394.0	1671.5	989.7	417.0	178.2	127.7	95.5
15°	8037.0	6611.6	5329.5	3928.5	2742.9	1966.0	1241.3	514.3	196.4	137.0	103.1
12.5°	8614.4	7094.2	5747.0	4323.6	3052.0	2241.8	1499.3	613.8	214.6	151.3	114.0
10°	9110.2	7525.7	6138.6	4665.9	3323.7	2498.8	1757.2	707.8	242.7	169.8	125.0
7.5°	9526.4	7905.2	6497.7	4956.6	3545.7	2668.3	1915.4	784.1	271.8	188.2	135.8
5°	9851.2	8186.4	6781.6	5154.6	3661.1	2744.5	2035.0	850.8	300.1	206.3	146.3
2.5°	10044.5	8339.2	6996.3	5301.8	3753.3	2800.7	2128.0	906.9	327.2	223.8	156.6
0°	10170.6	8437.8	7157.7	5402.8	3820.2	2838.6	2193.6	951.6	352.6	240.4	166.3
-2.5°	10218.6	8452.5	7181.0	5531.6	3956.3	2956.0	2257.4	1075.8	471.6	322.0	218.6
-5°	10192.1	8422.2	7157.1	5612.7	4063.7	3053.7	2297.5	1187.8	586.8	401.2	269.6
-7.5°	9873.5	8244.5	7033.5	5624.9	4141.4	3128.5	2318.3	1287.6	696.6	476.8	318.4
-10°	9448.2	7958.9	6776.7	5455.6	4133.1	3173.5	2329.3	1375.3	799.2	547.6	364.5
-12.5°	8976.4	7636.0	6497.9	5270.8	4095.7	3197.9	2359.9	1457.1	893.1	612.6	406.9
-15°	8465.8	7278.3	6204.8	5080.0	4043.6	3210.2	2376.5	1527.1	977.9	674.1	445.1
-17.5°	7963.4	6888.5	5904.6	4892.2	3980.2	3212.5	2381.1	1581.3	1052.9	733.5	485.9
-20°	7690.4	6605.2	5609.5	4715.3	3908.3	3206.5	2375.9	1619.0	1117.2	785.9	527.7



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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°	7417.9	6419.6	5467.8	4589.8	3847.8	3193.9	2362.8	1639.8	1169.9	830.6	564.1
-25°	7131.3	6224.5	5330.6	4501.0	3807.2	3148.1	2356.2	1643.3	1210.3	867.3	594.6
-27.5°	6877.8	6027.4	5171.9	4377.8	3727.7	3099.6	2345.9	1682.3	1242.2	895.5	618.9
-30°	6640.4	5828.2	5004.0	4233.6	3619.6	2982.5	2314.9	1706.9	1270.6	919.6	636.7
-32.5°	6395.2	5609.8	4801.9	4092.6	3475.9	2849.5	2227.8	1714.4	1287.5	937.7	651.9
-35°	6109.2	5345.0	4565.8	3917.9	3314.7	2712.4	2130.3	1704.3	1292.6	946.7	661.5
-37.5°	5784.5	5035.1	4342.8	3721.0	3142.2	2565.0	2059.4	1653.9	1285.8	946.3	664.1
-40°	5425.4	4725.3	4087.1	3521.1	2967.1	2408.0	1974.9	1600.8	1273.9	936.6	659.6
-42.5°	5047.7	4423.0	3842.9	3309.1	2785.5	2298.6	1880.4	1537.7	1230.5	921.8	647.8
-45°	4694.7	4115.3	3589.8	3093.9	2603.9	2175.8	1798.8	1466.4	1175.8	899.6	631.7
-47.5°	4330.5	3818.2	3333.6	2866.4	2450.1	2047.5	1706.0	1395.5	1113.7	867.6	613.1
-50°	3987.1	3519.3	3075.7	2661.6	2274.5	1931.1	1605.7	1315.6	1051.4	813.9	588.4
-52.5°	3663.9	3230.5	2831.9	2455.9	2118.9	1802.8	1504.8	1227.9	982.1	761.6	557.7
-55°	3342.9	2955.5	2593.7	2265.8	1960.2	1672.6	1394.2	1139.8	906.0	706.9	522.0
-57.5°	3034.0	2682.9	2375.4	2080.6	1797.6	1532.3	1280.6	1044.0	832.1	646.9	487.5
-60°	2723.4	2439.0	2161.9	1888.1	1627.8	1387.4	1161.9	944.6	754.5	584.1	444.1
-62.5°	2442.1	2187.0	1936.2	1685.6	1454.9	1239.9	1037.4	846.3	671.1	525.6	395.9
-65°	2153.7	1925.0	1699.8	1485.1	1279.8	1088.4	914.1	741.5	593.9	463.4	348.4
-67.5°	1861.8	1662.2	1471.0	1280.4	1106.1	941.5	784.1	643.9	515.5	397.9	307.4
-70°	1570.4	1397.9	1241.3	1087.4	935.3	791.9	667.0	547.1	433.5	344.6	264.3
-72.5°	1285.3	1150.6	1021.7	892.5	771.0	656.3	549.0	450.8	366.6	289.4	219.5
-75°	1009.8	908.9	811.8	713.1	611.8	517.9	441.7	369.3	297.8	232.3	180.6
-77.5°	764.9	685.0	607.1	538.4	468.6	403.3	342.6	285.3	230.4	184.1	143.0
-80°	538.9	487.0	436.5	386.7	334.6	286.4	248.0	210.7	171.2	135.7	104.4
-82.5°	335.1	305.6	278.1	250.3	220.4	191.7	164.4	138.3	110.8	86.3	71.8
-85°	183.9	166.2	148.5	130.8	113.0	96.0	87.9	79.9	70.1	60.8	52.1
-87.5°	76.7	72.3	67.9	63.4	59.2	55.1	51.0	47.0	41.9	37.0	32.4
-90°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.5	7.0	7.5



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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	11.5	11.1	10.8	10.7	9.3	8.0
85°	16.3	14.5	13.2	12.1	11.4	9.6	8.0
82.5°	20.3	17.5	15.2	13.4	12.1	9.9	8.0
80°	24.0	20.5	17.2	14.7	12.7	10.2	8.0
77.5°	24.9	22.5	19.2	15.9	13.4	10.5	8.0
75°	25.7	22.9	20.8	17.1	14.0	10.8	8.0
72.5°	26.4	23.2	20.9	18.3	14.7	11.0	8.0
70°	27.1	23.5	20.9	19.2	15.3	11.3	8.0
67.5°	27.9	23.7	20.8	19.0	15.8	11.6	8.0
65°	28.7	24.2	20.8	18.8	16.4	11.8	8.0
62.5°	29.6	25.0	20.6	18.6	16.9	12.1	8.0
60°	30.4	25.8	20.4	18.4	17.5	12.3	8.0
57.5°	31.9	26.6	21.1	18.1	17.3	12.5	8.0
55°	33.5	27.4	21.8	17.8	17.1	12.7	8.0
52.5°	35.1	28.3	22.5	17.4	17.0	12.9	8.0
50°	36.6	29.6	23.1	17.0	16.9	13.1	8.0
47.5°	38.2	30.8	23.8	16.8	16.8	13.3	8.0
45°	40.4	32.0	24.4	17.3	16.7	13.4	8.0
42.5°	42.7	33.1	25.0	17.8	16.7	13.6	8.0
40°	45.2	34.2	25.8	18.5	16.6	13.7	8.0
37.5°	47.7	35.3	26.6	19.4	16.6	13.9	8.0
35°	50.2	36.9	27.3	20.4	16.7	14.0	8.0
32.5°	53.0	38.9	28.0	21.4	16.7	14.1	8.0
30°	56.1	40.8	28.7	22.5	16.7	14.1	8.0
27.5°	59.3	42.7	30.7	23.5	16.8	14.2	8.0
25°	62.5	44.6	33.0	24.6	16.9	14.2	8.0
22.5°	65.7	47.4	35.5	25.7	17.0	14.3	8.0
20°	68.9	52.5	38.0	26.7	17.1	14.3	8.0
17.5°	74.7	57.7	40.6	27.8	17.2	14.3	8.0
15°	82.3	62.9	43.3	28.8	17.3	14.3	8.0
12.5°	89.7	68.1	45.9	29.8	17.4	14.3	8.0
10°	97.1	73.2	48.5	30.8	17.6	14.3	8.0
7.5°	104.2	78.3	51.1	31.7	17.7	14.2	8.0
5°	111.2	83.2	53.5	32.6	17.8	14.2	8.0
2.5°	117.8	87.8	55.9	33.4	17.9	14.1	8.0
0°	124.2	92.2	58.1	34.1	18.0	14.0	8.0
-2.5°	155.4	110.2	67.5	38.3	19.4	14.3	8.0
-5°	185.7	127.7	76.7	42.3	20.8	14.5	8.0
-7.5°	214.9	144.3	85.4	46.1	22.1	14.7	8.0
-10°	242.6	160.1	93.6	49.8	23.4	14.9	8.0
-12.5°	268.4	174.6	101.3	53.1	24.6	15.1	8.0
-15°	291.9	187.8	108.2	56.2	25.7	15.3	8.0
-17.5°	312.7	199.4	114.3	58.9	26.7	15.5	8.0
-20°	335.5	209.3	119.5	61.2	27.7	15.6	8.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	362.8	217.3	123.8	63.1	28.5	15.7	8.0
-25°	386.0	229.6	127.0	64.6	29.2	15.8	8.0
-27.5°	404.9	242.0	129.2	65.6	29.8	15.8	8.0
-30°	419.2	251.6	130.7	66.1	30.3	15.9	8.0
-32.5°	428.8	258.3	135.6	66.2	30.6	15.9	8.0
-35°	435.6	262.1	138.8	65.6	30.8	15.8	8.0
-37.5°	438.9	263.9	140.3	64.6	30.8	15.8	8.0
-40°	437.6	264.9	139.9	63.0	30.7	15.7	8.0
-42.5°	431.7	262.9	139.2	61.5	30.5	15.6	8.0
-45°	421.3	258.1	138.4	60.8	30.0	15.4	8.0
-47.5°	406.3	250.4	136.0	59.2	29.5	15.3	8.0
-50°	391.4	239.9	132.1	58.7	28.7	15.1	8.0
-52.5°	373.2	226.6	126.8	58.1	27.9	14.9	8.0
-55°	351.1	215.4	120.1	56.8	26.8	14.6	8.0
-57.5°	325.2	202.9	112.0	54.9	25.7	14.3	8.0
-60°	296.7	188.3	102.7	52.4	24.4	14.0	8.0
-62.5°	272.9	171.7	96.3	49.3	23.5	13.7	8.0
-65°	246.5	153.3	88.9	45.7	22.5	13.4	8.0
-67.5°	217.5	136.2	80.5	41.5	21.5	13.0	8.0
-70°	186.4	120.8	71.3	36.9	20.4	12.6	8.0
-72.5°	160.3	104.1	61.2	33.8	19.2	12.2	8.0
-75°	133.7	86.3	50.5	30.9	18.0	11.8	8.0
-77.5°	105.7	67.6	43.7	27.8	16.8	11.3	8.0
-80°	76.6	54.3	37.5	24.5	15.5	10.9	8.0
-82.5°	59.6	43.9	31.1	21.1	14.1	10.4	8.0
-85°	44.0	33.3	24.5	17.6	12.8	10.0	8.0
-87.5°	28.0	22.4	17.8	14.1	11.4	9.5	8.0
-90°	8.0	8.5	9.0	9.5	10.0	9.0	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

