

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: P701578 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/29/2023

Test Information

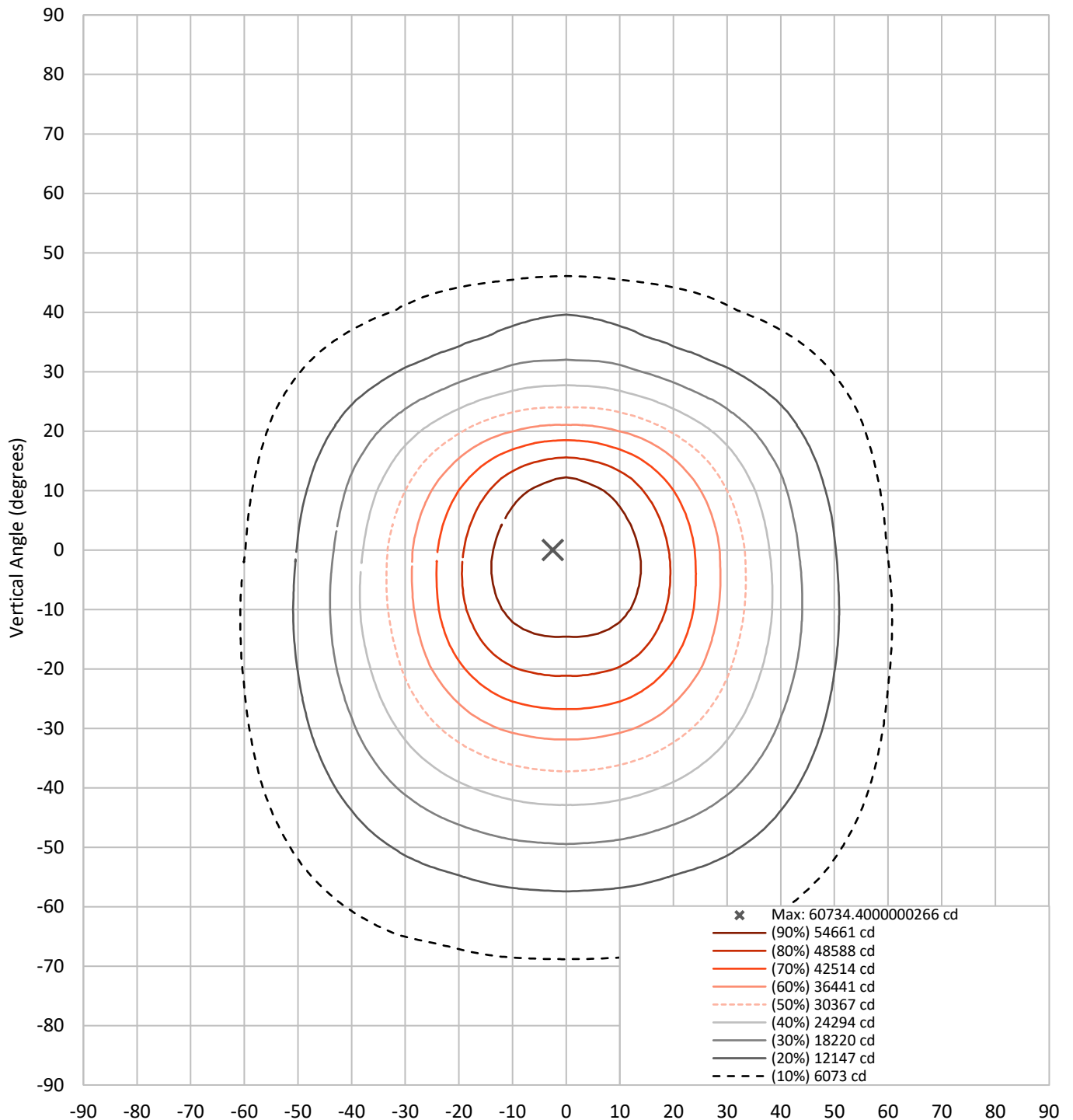
Test Method: LM-79-08
Report Number: P701578 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-7F-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	80799 lumens	Max Intensity:	60734.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	122.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	66.6°H x 61.2°V	Field Angle (10%):	119.6°H x 114.9°V
Beam Lumens:	43869.9 lumens	Field Lumens:	75716 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
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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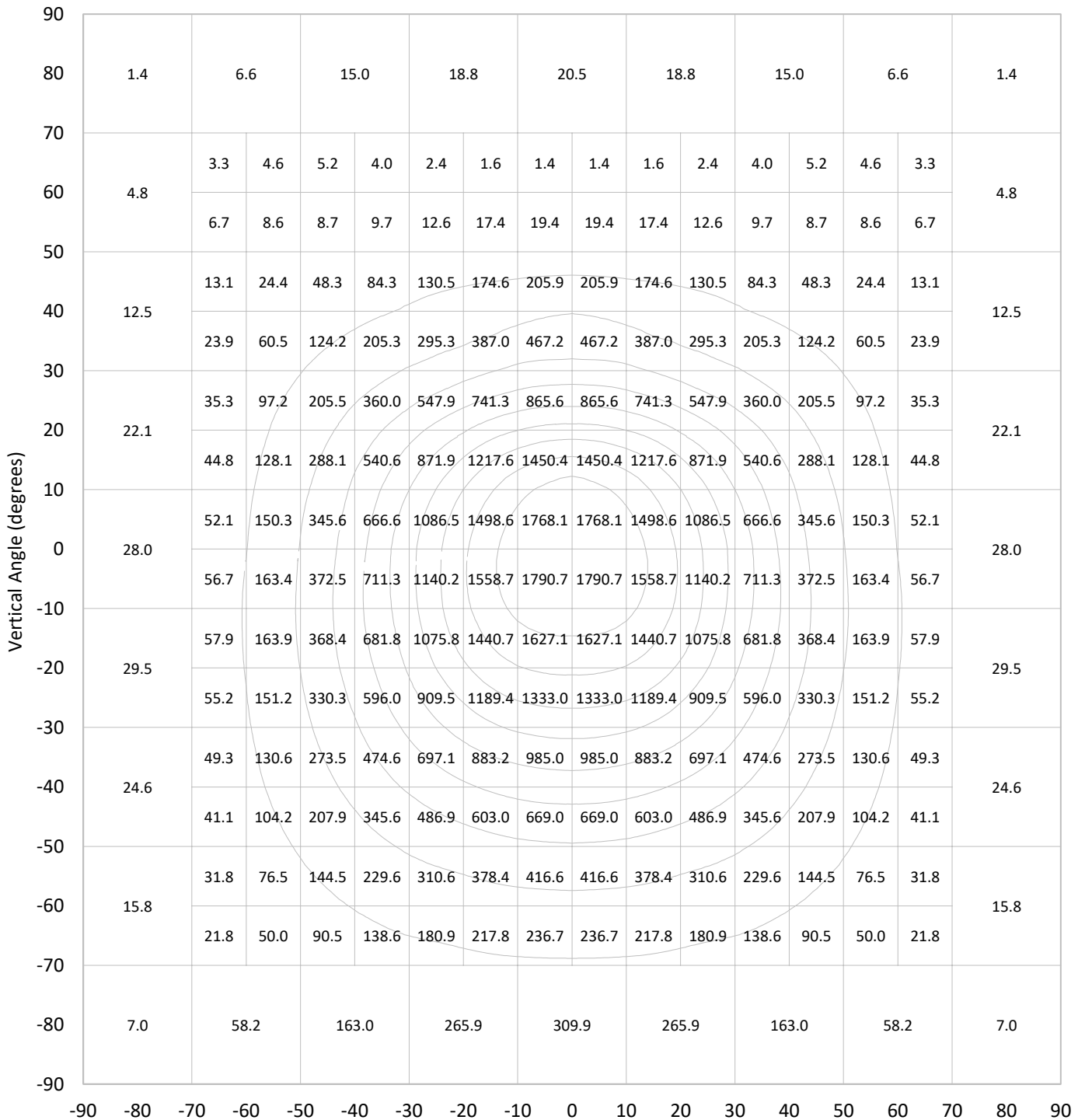
Iso-Candela Plot





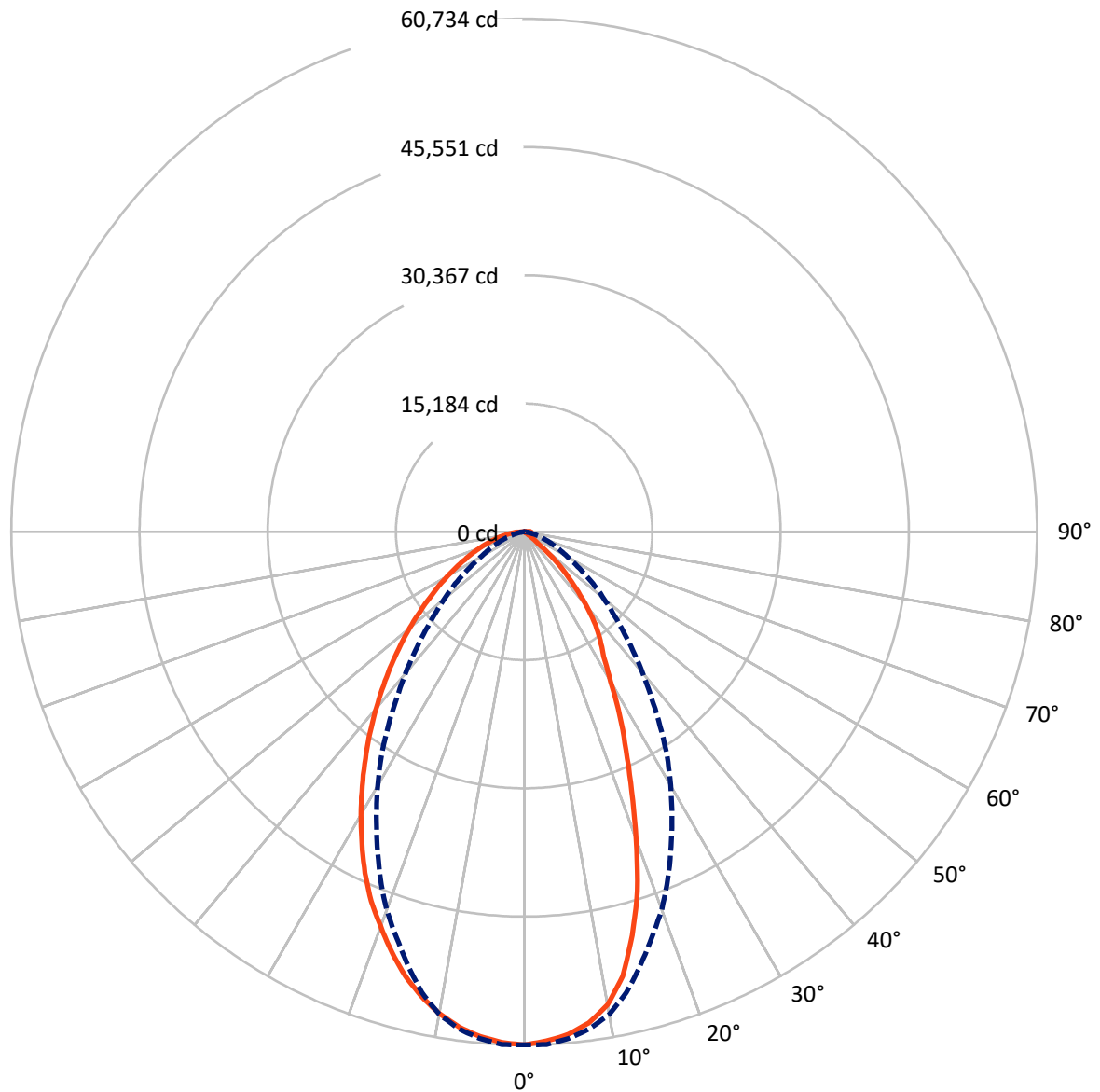
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Lumen Table



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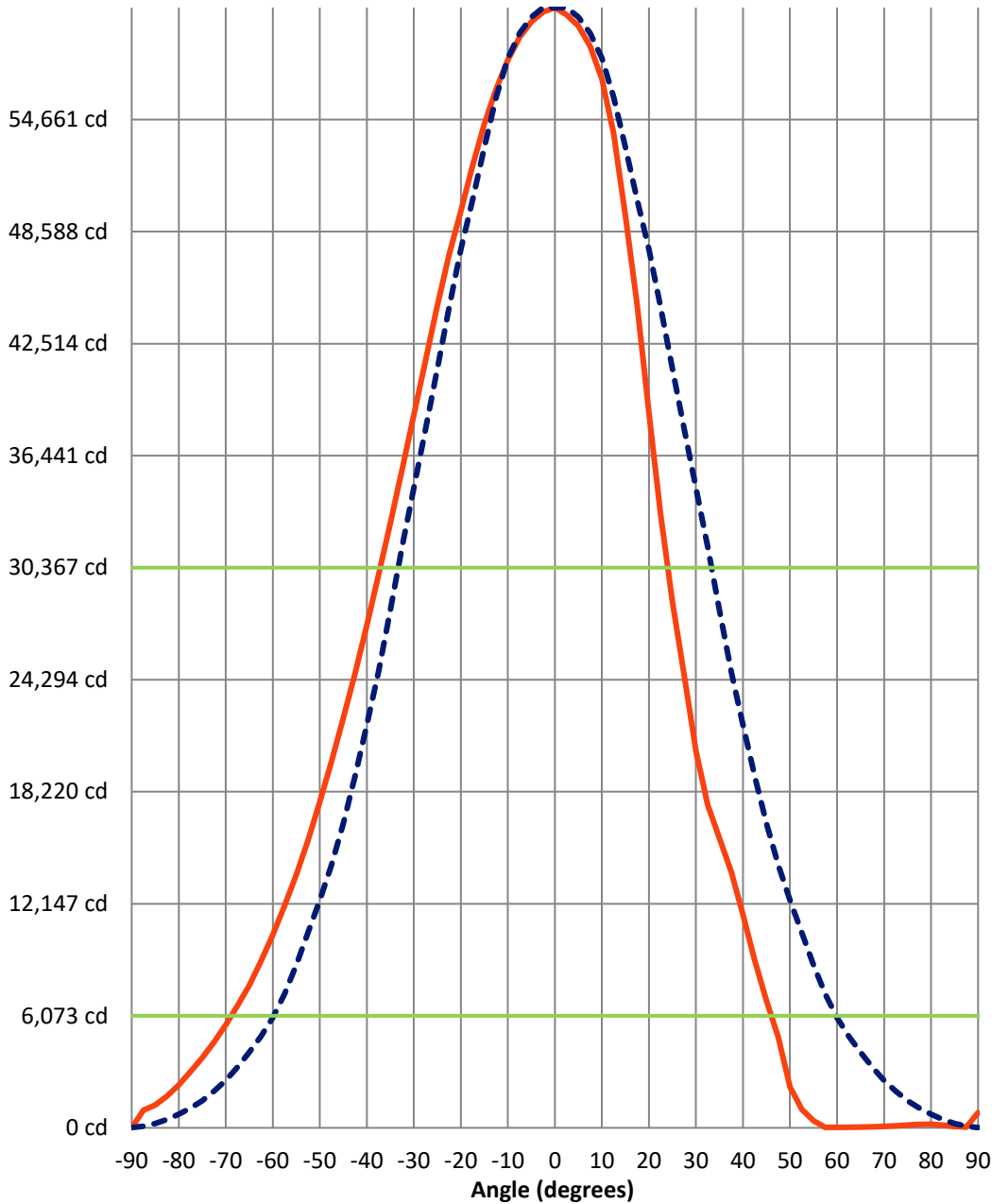
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 66.6°
 V Angle: 61.2°
 Lumens: 43869.9
 Efficiency: 54.3%

Field:
 H Angle: 119.6°
 V Angle: 114.9°
 Lumens: 75716
 Efficiency: 93.7%

Spill:
 Lumens: 5083
 Efficiency: 6.3%

- Vertical Distribution through -2.5-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°	13.2	46.3	79.3	122.8	166.3	209.7	253.2	284.8	316.5	348.1	379.7
87.5°	13.2	16.8	19.2	20.8	22.2	23.2	23.9	23.9	23.5	22.9	22.0
85°	13.2	19.4	23.3	26.6	29.2	31.3	32.7	33.1	32.9	32.2	30.9
82.5°	13.2	22.0	27.4	32.3	36.2	39.3	41.6	42.4	43.2	46.4	48.8
80°	13.2	24.7	31.6	38.0	43.3	47.4	51.4	58.0	63.6	68.4	72.2
77.5°	13.2	27.3	35.7	43.7	50.3	58.8	68.4	76.6	84.1	90.4	93.3
75°	13.2	29.9	39.9	49.4	59.1	76.2	85.8	95.2	104.9	111.3	108.2
72.5°	13.2	32.5	44.1	55.0	75.5	93.9	103.6	116.2	130.2	133.0	124.8
70°	13.2	35.0	48.3	62.2	92.0	111.9	123.4	144.3	156.6	156.8	160.4
67.5°	13.2	37.6	52.6	76.2	108.6	130.1	153.6	173.2	184.8	201.0	202.3
65°	13.2	40.1	56.9	90.1	125.3	154.1	184.6	203.2	231.1	247.0	250.4
62.5°	13.2	42.6	61.2	103.9	142.1	183.7	216.4	244.8	278.8	298.0	310.7
60°	13.2	45.1	65.5	117.7	159.1	213.8	249.2	291.7	328.1	362.4	374.9
57.5°	13.2	47.6	75.6	131.5	185.0	244.4	294.4	340.4	390.3	429.8	449.8
55°	13.2	50.0	85.6	145.2	211.4	275.5	341.9	392.5	457.5	503.2	533.6
52.5°	13.2	52.4	95.4	158.9	237.9	308.7	390.3	458.1	526.8	590.2	623.7
50°	13.2	54.8	105.0	172.4	264.4	351.1	439.5	526.7	602.6	681.9	737.0
47.5°	13.2	57.1	114.5	187.5	291.0	393.7	491.2	596.7	691.1	778.3	862.1
45°	13.2	59.4	123.8	207.6	317.5	436.5	553.0	668.2	786.7	902.7	997.4
42.5°	13.2	61.6	132.8	227.3	343.9	479.3	615.3	749.0	885.4	1034.6	1179.2
40°	13.2	63.7	141.6	246.8	374.0	522.2	677.9	836.9	993.0	1172.8	1381.3
37.5°	13.2	65.8	150.2	265.8	407.3	564.9	740.7	926.0	1113.2	1320.6	1597.7
35°	13.2	67.9	158.4	284.2	440.0	612.7	803.5	1016.0	1232.3	1492.8	1839.1
32.5°	13.2	69.9	166.4	301.9	472.1	662.6	869.6	1106.7	1350.1	1657.9	2051.7
30°	13.2	71.8	174.1	318.9	503.4	711.6	943.1	1199.4	1466.2	1815.8	2251.0
27.5°	13.2	73.6	181.4	335.1	531.9	759.6	1015.7	1296.1	1587.5	1966.1	2436.7
25°	13.2	75.3	188.4	350.6	558.9	806.4	1087.2	1390.3	1715.4	2119.6	2609.7
22.5°	13.2	77.0	195.0	365.2	584.5	849.6	1157.1	1481.5	1836.3	2267.6	2791.6
20°	13.2	78.5	201.2	378.9	608.5	885.5	1225.1	1569.5	1950.1	2404.1	2963.1
17.5°	13.2	80.0	207.0	391.7	631.0	918.7	1278.5	1653.9	2056.7	2528.9	3123.7
15°	13.2	81.3	212.4	403.5	651.8	949.1	1320.0	1724.9	2155.8	2642.4	3272.6
12.5°	13.2	82.6	217.3	414.3	670.8	976.7	1356.7	1780.3	2243.2	2744.5	3409.2
10°	13.2	83.7	221.7	424.0	688.0	1001.3	1388.6	1831.7	2321.7	2864.6	3548.4
7.5°	13.2	84.7	225.6	432.6	703.2	1023.0	1415.6	1878.7	2394.4	2983.5	3707.0
5°	13.2	85.6	229.1	440.1	716.5	1041.6	1437.8	1920.4	2460.5	3095.5	3852.0
2.5°	13.2	86.3	232.0	446.4	727.7	1057.0	1455.2	1956.2	2519.1	3198.8	3982.6
0°	13.2	86.9	234.3	451.5	736.8	1069.3	1467.9	1985.6	2569.3	3291.0	4097.7
-2.5°	13.2	88.6	237.9	458.3	748.8	1089.2	1503.2	2034.4	2632.0	3355.7	4170.5
-5°	13.2	90.2	240.9	463.9	758.6	1105.8	1533.4	2075.6	2684.9	3407.5	4226.6
-7.5°	13.2	91.6	243.4	468.1	766.0	1118.7	1557.9	2108.8	2727.6	3446.6	4265.9
-10°	13.2	92.8	245.2	471.0	770.9	1127.9	1576.4	2133.7	2759.8	3473.1	4288.2
-12.5°	13.2	93.9	246.5	472.4	773.2	1133.2	1588.4	2149.8	2780.9	3488.0	4305.7
-15°	13.2	94.8	247.1	472.5	772.9	1134.4	1593.5	2156.9	2788.2	3494.1	4309.9
-17.5°	13.2	95.6	247.2	471.0	770.0	1131.5	1591.4	2151.9	2780.1	3485.0	4293.9
-20°	13.2	96.2	246.6	468.2	764.3	1124.3	1582.7	2136.0	2759.8	3460.1	4257.3



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	13.2	96.6	245.4	463.8	755.8	1112.7	1568.7	2111.6	2726.9	3419.2	4199.6
-25°	13.2	96.9	243.6	457.9	744.6	1101.2	1548.7	2078.8	2681.2	3362.1	4120.7
-27.5°	13.2	96.9	241.2	450.6	730.5	1087.1	1522.4	2037.4	2622.6	3293.1	4043.3
-30°	13.2	96.8	238.2	441.7	714.0	1068.2	1490.1	1987.6	2561.0	3216.9	3947.6
-32.5°	13.2	96.5	234.6	431.4	699.0	1044.6	1451.7	1940.1	2495.1	3125.2	3832.6
-35°	13.2	96.1	230.3	419.5	680.9	1016.2	1415.9	1888.6	2419.6	3017.9	3698.6
-37.5°	13.2	95.4	225.5	406.2	659.9	985.8	1377.6	1830.1	2334.6	2895.4	3559.6
-40°	13.2	94.6	220.1	391.4	635.9	956.5	1333.0	1764.6	2240.2	2780.5	3413.2
-42.5°	13.2	93.6	214.1	376.1	613.6	923.2	1282.4	1692.4	2150.7	2666.7	3252.9
-45°	13.2	92.5	207.5	361.0	593.5	885.8	1225.7	1618.5	2060.0	2539.3	3083.3
-47.5°	13.2	91.1	200.4	344.3	571.0	844.6	1163.1	1544.6	1961.7	2398.6	2923.5
-50°	13.2	89.6	192.8	332.5	546.2	799.6	1106.2	1463.3	1851.8	2272.3	2747.6
-52.5°	13.2	87.9	184.6	321.6	519.2	750.9	1046.4	1375.1	1740.6	2135.1	2560.1
-55°	13.2	86.1	175.9	309.4	490.0	710.8	982.0	1282.0	1624.6	1987.3	2391.3
-57.5°	13.2	84.1	166.8	296.0	458.7	670.1	913.1	1199.1	1500.9	1840.9	2210.6
-60°	13.2	81.9	157.2	281.6	426.0	626.6	842.1	1108.4	1374.6	1688.8	2024.6
-62.5°	13.2	79.6	152.2	266.1	403.4	580.4	784.2	1011.8	1260.1	1528.7	1840.8
-65°	13.2	77.2	146.9	249.5	379.1	531.7	722.9	917.5	1139.9	1382.8	1648.1
-67.5°	13.2	74.6	141.3	232.0	353.4	488.6	658.6	836.5	1014.5	1236.3	1469.9
-70°	13.2	71.9	135.4	213.6	326.3	451.5	591.4	752.3	914.0	1084.1	1294.4
-72.5°	13.2	69.0	129.2	202.2	297.9	412.5	538.1	665.4	810.8	962.9	1121.5
-75°	13.2	66.1	122.7	192.1	268.3	371.8	484.9	592.1	704.5	839.0	978.9
-77.5°	13.2	63.0	116.0	181.5	250.3	329.7	429.8	522.6	618.4	719.4	832.7
-80°	13.2	59.8	109.0	170.5	234.5	300.9	373.0	451.4	532.6	618.0	707.3
-82.5°	13.2	56.6	101.9	159.0	218.2	279.0	341.5	391.6	445.1	514.6	587.1
-85°	13.2	53.2	94.5	147.3	201.3	256.4	312.7	356.6	400.7	445.3	490.2
-87.5°	13.2	49.8	87.0	135.2	184.0	233.3	283.3	321.0	358.9	397.0	435.3
-90°	13.2	14.2	15.1	15.1	15.1	15.1	15.1	14.6	14.2	13.7	13.2



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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°	407.6	435.5	463.3	491.2	518.6	546.0	573.4	600.8	626.3	651.8	677.3
87.5°	22.6	23.1	23.6	24.0	23.1	22.0	20.8	19.4	20.9	22.7	24.5
85°	32.0	33.0	35.8	37.9	39.4	41.4	43.9	46.9	52.4	58.0	63.4
82.5°	53.2	56.7	59.3	60.9	66.1	72.6	79.6	86.1	92.3	98.3	104.0
80°	76.9	80.6	81.3	82.2	89.1	97.7	106.7	116.2	123.8	130.7	137.2
77.5°	94.2	96.3	98.7	101.6	110.5	122.9	135.4	147.9	157.1	164.6	171.2
75°	107.7	111.6	120.6	126.2	136.3	150.7	165.3	179.4	188.6	193.7	197.1
72.5°	129.8	142.9	150.8	153.9	163.6	180.7	196.1	209.8	217.0	215.9	211.5
70°	163.8	175.9	186.4	190.3	194.5	211.2	223.7	233.5	237.8	229.2	212.2
67.5°	200.5	219.1	228.7	229.2	223.3	237.7	248.9	247.5	240.0	221.3	199.0
65°	247.7	265.4	273.9	270.4	254.4	257.7	256.9	250.1	232.9	207.2	180.5
62.5°	300.5	316.3	323.1	314.1	284.8	272.2	264.9	247.7	221.4	196.2	171.0
60°	367.6	371.1	375.5	359.3	322.5	287.7	274.0	256.8	228.6	194.0	173.3
57.5°	442.9	430.8	432.8	414.7	372.2	310.1	304.0	282.0	258.2	212.8	191.4
55°	529.7	496.5	501.8	485.4	446.4	376.9	353.3	350.2	316.8	281.0	241.6
52.5°	633.9	588.8	587.7	585.2	564.1	504.2	450.1	487.7	508.7	468.8	494.2
50°	751.0	728.5	694.6	734.0	746.5	714.8	667.2	772.2	898.6	956.5	955.0
47.5°	906.4	893.2	863.9	935.2	1024.2	1105.8	1125.4	1315.0	1506.4	1718.1	1743.3
45°	1089.5	1123.2	1106.5	1257.9	1448.6	1668.1	1831.1	2015.0	2450.8	2703.6	3078.1
42.5°	1292.7	1390.9	1480.4	1623.4	2073.2	2352.6	2598.5	3060.0	3493.5	3860.1	4247.0
40°	1554.3	1683.4	1878.9	2267.8	2752.8	3076.1	3499.5	4025.4	4464.4	4878.3	5274.4
37.5°	1837.9	2053.6	2318.3	2875.7	3427.7	3832.7	4351.1	4872.8	5371.8	5836.2	6390.0
35°	2137.6	2425.0	2841.8	3424.2	4003.4	4567.7	5138.1	5719.2	6288.8	6925.1	7547.9
32.5°	2463.9	2796.9	3322.9	3941.4	4589.7	5245.3	5908.1	6586.4	7310.4	8052.2	8713.0
30°	2758.3	3211.2	3771.0	4441.8	5173.5	5926.4	6699.8	7480.5	8369.3	9247.5	10040.2
27.5°	2983.2	3590.6	4215.9	4957.3	5759.0	6598.5	7494.7	8462.0	9496.9	10503.5	11444.6
25°	3198.9	3882.5	4642.4	5472.5	6363.1	7307.1	8309.6	9392.5	10662.4	11841.8	13015.6
22.5°	3425.0	4176.7	4996.6	5974.6	6951.2	8025.6	9137.8	10384.2	11787.5	13181.9	14608.4
20°	3665.4	4481.1	5346.4	6377.7	7501.5	8733.4	9917.4	11368.0	12929.1	14549.5	16289.4
17.5°	3899.8	4760.9	5685.2	6772.3	7990.3	9370.1	10669.1	12320.3	14050.3	15903.5	17871.6
15°	4125.7	5015.9	5994.4	7135.1	8463.2	9928.0	11447.1	13256.5	15191.2	17237.2	19303.9
12.5°	4340.3	5246.1	6273.1	7464.5	8904.7	10470.0	12143.5	14046.4	16165.5	18427.0	20679.8
10°	4541.1	5451.6	6520.7	7758.8	9309.6	10986.9	12763.3	14752.5	16955.9	19286.0	21798.6
7.5°	4693.2	5622.3	6739.0	8016.4	9672.6	11468.6	13305.8	15371.3	17623.8	20050.7	22751.7
5°	4809.8	5761.0	6940.9	8313.8	10021.4	11867.1	13752.0	15898.9	18171.3	20708.7	23574.6
2.5°	4898.3	5878.1	7113.9	8590.1	10333.7	12138.6	14043.0	16245.1	18663.9	21323.1	24243.4
0°	4963.0	5971.8	7254.6	8826.4	10587.1	12338.4	14257.9	16496.6	19064.0	21843.1	24737.3
-2.5°	5072.7	6137.8	7451.2	9013.7	10745.3	12534.0	14534.7	16846.7	19443.6	22171.0	25163.2
-5°	5160.5	6274.4	7610.2	9154.5	10848.3	12662.1	14725.4	17090.2	19692.1	22391.9	25383.1
-7.5°	5224.1	6377.8	7729.5	9248.0	10917.1	12765.6	14858.7	17211.4	19785.0	22523.8	25417.4
-10°	5261.7	6426.7	7767.1	9275.7	10954.2	12821.3	14909.9	17229.2	19757.2	22492.8	25323.2
-12.5°	5275.9	6425.6	7755.5	9253.1	10925.7	12794.7	14869.3	17145.1	19611.5	22293.0	25083.2
-15°	5266.6	6392.7	7701.6	9179.6	10829.5	12682.6	14736.3	16961.2	19341.1	21885.8	24597.4
-17.5°	5233.6	6327.8	7604.6	9054.9	10664.1	12482.6	14499.1	16621.3	18952.7	21415.7	23980.3
-20°	5177.0	6230.8	7464.3	8878.8	10438.3	12220.0	14164.0	16218.4	18457.9	20854.6	23288.9



REPORT NUMBER: P701578 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-VHE-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5097.0	6102.0	7300.4	8680.5	10221.5	11921.5	13763.9	15733.6	17827.5	20185.2	22505.1
-25°	5005.0	5988.3	7128.9	8464.4	9947.7	11571.9	13295.5	15178.8	17155.1	19361.6	21607.2
-27.5°	4900.1	5850.0	6946.2	8205.5	9611.6	11183.3	12831.3	14599.1	16470.4	18454.5	20607.6
-30°	4770.4	5692.9	6727.3	7921.9	9271.1	10760.3	12344.9	13943.0	15715.5	17586.2	19559.8
-32.5°	4616.6	5503.1	6509.0	7646.7	8900.6	10270.7	11777.3	13297.0	14932.4	16663.7	18492.7
-35°	4452.0	5310.5	6265.7	7333.1	8494.0	9778.0	11154.0	12599.6	14103.6	15730.5	17339.5
-37.5°	4286.4	5090.1	5981.6	7001.1	8113.2	9253.9	10491.5	11866.7	13276.1	14714.5	16192.1
-40°	4100.1	4842.6	5698.9	6649.5	7656.4	8714.9	9874.5	11102.0	12412.4	13710.0	15034.4
-42.5°	3897.1	4614.3	5399.3	6247.6	7189.9	8174.8	9215.3	10364.0	11506.2	12684.7	13907.5
-45°	3704.5	4364.9	5080.5	5868.9	6701.8	7612.6	8583.7	9587.7	10615.9	11657.4	12770.7
-47.5°	3497.5	4105.9	4779.9	5463.3	6228.6	7053.0	7926.2	8829.7	9720.2	10675.3	11626.8
-50°	3281.9	3862.8	4443.5	5078.7	5758.4	6498.3	7290.4	8069.4	8883.7	9710.6	10568.4
-52.5°	3065.7	3605.2	4131.3	4687.3	5302.1	5959.1	6649.3	7345.3	8069.0	8796.9	9532.0
-55°	2832.3	3332.9	3810.2	4312.4	4851.5	5440.2	6024.5	6650.7	7278.0	7944.0	8548.1
-57.5°	2611.4	3038.3	3480.2	3939.0	4421.6	4922.7	5441.5	5965.4	6536.3	7110.7	7628.2
-60°	2393.8	2755.0	3140.8	3560.4	3992.2	4436.0	4866.1	5333.7	5816.6	6287.0	6760.5
-62.5°	2168.0	2487.8	2817.7	3173.6	3566.7	3949.0	4337.1	4731.2	5124.6	5541.9	5942.3
-65°	1945.2	2218.0	2510.5	2819.0	3134.9	3480.4	3821.6	4154.4	4505.8	4847.3	5179.0
-67.5°	1712.5	1962.3	2212.8	2469.8	2752.4	3034.4	3318.2	3623.9	3920.7	4199.8	4481.1
-70°	1504.6	1705.7	1927.4	2154.2	2379.0	2610.4	2862.4	3115.1	3363.1	3601.0	3844.4
-72.5°	1298.0	1478.3	1659.5	1841.1	2036.6	2231.4	2428.2	2626.5	2833.9	3041.4	3243.1
-75°	1113.8	1249.0	1406.5	1566.7	1719.3	1868.2	2020.6	2189.1	2354.9	2517.7	2679.0
-77.5°	945.9	1060.0	1178.1	1299.6	1415.7	1540.6	1666.0	1791.6	1915.3	2036.3	2154.9
-80°	788.0	868.1	963.1	1061.6	1153.8	1244.7	1335.7	1426.5	1518.0	1613.9	1712.9
-82.5°	652.3	717.6	783.7	850.3	911.6	971.5	1033.5	1104.3	1176.7	1248.7	1319.8
-85°	528.2	565.6	616.4	667.6	716.6	764.9	812.5	859.4	907.6	955.1	1001.8
-87.5°	468.2	500.8	533.4	565.7	596.8	627.7	658.3	688.7	719.7	750.6	781.5
-90°	13.2	13.2	13.2	13.2	12.7	12.3	11.8	11.3	10.8	10.4	9.9



REPORT NUMBER: P701578 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-VHE-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	702.8	710.8	718.9	726.9	734.9	753.8	772.7	791.6	810.5	814.8	819.0
87.5°	26.4	26.5	26.5	26.4	26.4	30.6	35.0	39.4	43.9	43.5	42.9
85°	68.7	69.7	70.1	70.1	69.8	75.6	81.5	87.2	92.7	89.0	84.7
82.5°	109.4	111.4	113.2	115.2	117.3	123.3	129.3	135.0	140.3	142.0	143.7
80°	143.2	147.0	149.7	151.9	153.6	158.7	164.2	169.5	174.5	179.8	185.2
77.5°	176.0	177.2	176.6	174.9	172.1	172.9	174.1	174.7	174.8	177.5	180.7
75°	198.8	196.2	188.4	179.4	169.3	163.2	158.7	153.9	149.0	148.1	148.4
72.5°	203.8	193.5	180.6	164.8	149.1	138.2	130.9	123.8	117.1	113.8	111.8
70°	192.9	173.1	155.9	138.9	122.3	110.0	102.7	96.0	89.9	85.9	83.1
67.5°	173.7	149.2	131.1	113.6	97.4	84.7	78.3	72.4	67.1	63.1	60.3
65°	154.2	128.2	110.7	93.9	77.6	65.0	60.1	55.3	50.5	47.0	45.1
62.5°	143.4	116.1	98.0	83.3	68.5	54.0	48.9	43.9	39.0	35.1	33.4
60°	147.2	116.2	94.3	80.6	65.3	48.5	42.1	37.6	32.5	28.0	26.4
57.5°	170.3	136.5	103.6	98.3	82.8	58.0	60.3	70.2	62.8	43.3	41.1
55°	260.6	252.2	165.1	213.6	248.4	234.1	218.6	289.4	323.9	325.7	357.6
52.5°	517.9	579.0	556.2	582.7	726.4	784.5	776.9	903.4	969.0	960.1	994.3
50°	1090.4	1215.5	1369.6	1394.4	1635.4	1802.5	1842.8	1989.4	2152.1	2214.3	2284.4
47.5°	2128.0	2421.2	2570.0	2737.7	3015.1	3319.1	3554.5	3765.4	3994.0	4150.2	4338.8
45°	3466.4	3673.6	3932.4	4322.1	4745.5	5142.1	5514.7	5854.2	6078.2	6277.8	6489.7
42.5°	4567.5	4898.4	5332.6	5913.8	6516.1	6923.3	7229.8	7557.0	7906.8	8239.4	8546.0
40°	5694.9	6078.4	6767.3	7425.9	7875.4	8268.3	8687.9	9131.9	9589.2	10025.5	10459.4
37.5°	6903.3	7470.0	8073.3	8648.9	9124.4	9496.2	10071.1	10563.0	11021.3	11671.0	12266.8
35°	8189.1	8805.0	9323.3	9981.6	10513.4	10971.9	11573.5	12193.0	12589.6	13480.8	14252.4
32.5°	9468.3	10186.1	10877.1	11502.3	12162.2	12869.1	13454.6	14304.4	14950.9	15803.3	16641.3
30°	10801.1	11785.1	12647.7	13333.9	14232.8	15146.7	15968.2	16968.9	17921.8	18715.1	19603.3
27.5°	12483.0	13577.1	14629.1	15686.4	16646.6	17788.0	19095.7	20154.1	21374.1	22239.2	23168.0
25°	14267.4	15570.8	16970.0	18332.9	19592.6	21069.0	22551.6	23844.9	25109.3	26106.1	27098.7
22.5°	16207.8	17783.9	19449.2	21164.9	22867.9	24485.5	26076.9	27677.4	29134.8	30504.7	31459.0
20°	18178.4	19928.7	21951.0	24018.1	25979.1	27804.9	29717.3	31741.1	33593.1	35180.6	36356.3
17.5°	19956.1	22151.5	24375.8	26643.8	28855.4	31111.8	33484.5	35864.8	38057.6	39916.8	41477.7
15°	21557.5	24045.0	26619.9	29178.8	31722.1	34320.0	37092.4	39657.1	42114.8	44247.1	46072.0
12.5°	23136.7	25793.5	28553.7	31422.9	34437.9	37250.8	40073.6	42839.0	45414.6	47893.3	49721.4
10°	24534.4	27403.1	30358.1	33432.7	36555.5	39607.1	42582.4	45465.3	47995.9	50336.3	52547.9
7.5°	25673.3	28749.8	31903.7	35137.5	38351.5	41441.6	44471.8	47352.7	49921.3	52319.7	54581.3
5°	26655.5	29918.6	33173.6	36396.1	39630.0	42835.1	45894.6	48735.1	51410.6	53903.0	56169.5
2.5°	27457.1	30859.5	34157.6	37331.5	40552.3	43833.1	46969.8	49714.0	52510.7	55045.6	57276.6
0°	28058.6	31493.1	34685.9	37888.1	41148.9	44466.4	47621.3	50309.7	53156.7	55865.9	57987.4
-2.5°	28387.6	31620.4	34798.4	38011.2	41370.3	44782.8	47933.4	50831.0	53661.7	56201.2	58173.6
-5°	28501.8	31682.1	34848.6	38119.4	41449.3	44808.2	47948.0	50853.3	53571.7	55947.0	57746.0
-7.5°	28425.1	31574.1	34708.9	37947.5	41256.4	44575.1	47664.5	50443.5	53061.4	55311.2	57027.9
-10°	28193.6	31243.0	34378.9	37564.3	40880.2	44156.7	47184.3	49691.4	52190.9	54301.7	55924.8
-12.5°	27810.9	30730.6	33823.3	36938.1	40191.4	43340.9	46162.2	48658.5	50891.9	53029.9	54450.7
-15°	27268.0	30083.0	33039.8	36089.8	39172.0	42219.0	44969.8	47382.6	49451.7	51138.2	52634.4
-17.5°	26587.0	29303.1	32136.4	35059.2	37921.3	40820.1	43369.4	45787.4	47777.6	49279.0	50440.1
-20°	25748.8	28384.7	31094.2	33884.7	36543.9	39009.4	41466.9	43715.3	45682.6	47150.6	48266.5



REPORT NUMBER: P701578 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-VHE-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	24864.0	27350.9	29917.9	32434.0	34855.6	37173.3	39399.1	41462.6	43333.2	44721.3	45789.1
-25°	23857.3	26183.1	28556.6	30828.9	33040.6	35198.4	37215.9	39128.0	40760.9	42111.2	43102.7
-27.5°	22754.8	24920.4	27062.6	29176.0	31228.0	33093.3	34949.6	36675.7	38111.8	39353.6	40231.5
-30°	21550.1	23530.5	25538.2	27519.2	29294.4	30974.7	32623.9	34122.3	35438.6	36528.9	37316.4
-32.5°	20279.4	22088.8	23951.0	25742.3	27299.0	28815.0	30253.1	31566.5	32773.5	33737.0	34447.2
-35°	18965.8	20642.0	22314.4	23863.2	25314.1	26662.7	27901.8	29066.0	30065.9	30944.1	31640.3
-37.5°	17673.7	19183.5	20634.8	21987.2	23327.8	24564.6	25647.0	26668.4	27577.4	28309.9	28920.3
-40°	16406.4	17742.9	18978.5	20182.2	21380.1	22427.1	23410.0	24290.9	25095.4	25795.2	26337.4
-42.5°	15146.7	16297.5	17364.1	18447.4	19483.0	20390.9	21246.8	22010.0	22708.1	23335.2	23861.0
-45°	13882.4	14866.7	15815.9	16768.3	17628.2	18436.9	19180.7	19851.3	20475.0	21003.1	21434.2
-47.5°	12591.1	13464.2	14326.5	15151.8	15865.3	16563.9	17204.3	17806.7	18368.7	18843.6	19224.5
-50°	11358.1	12129.8	12901.9	13584.2	14184.0	14765.9	15307.8	15889.4	16409.6	16842.3	17157.1
-52.5°	10200.5	10898.4	11562.0	12120.7	12627.8	13082.1	13498.4	14038.7	14528.4	14953.4	15232.4
-55°	9146.3	9743.6	10312.6	10774.1	11197.5	11576.5	11954.3	12388.5	12783.8	13137.4	13370.6
-57.5°	8154.0	8660.3	9133.6	9522.3	9875.4	10192.2	10543.1	10906.1	11230.2	11509.3	11697.1
-60°	7213.2	7644.2	8036.8	8356.5	8650.0	8916.7	9250.6	9567.4	9847.6	10075.1	10215.4
-62.5°	6325.7	6712.3	7017.5	7274.6	7509.1	7733.7	8025.5	8299.2	8551.9	8753.8	8871.2
-65°	5513.2	5851.7	6078.5	6282.0	6466.8	6669.2	6917.3	7139.9	7337.3	7487.2	7589.4
-67.5°	4772.5	5040.3	5219.1	5380.8	5539.1	5712.3	5922.9	6117.2	6294.9	6418.4	6494.7
-70°	4082.5	4288.9	4433.9	4571.4	4703.5	4852.0	5024.5	5185.2	5333.5	5429.3	5490.2
-72.5°	3438.7	3596.0	3715.9	3834.2	3940.8	4068.1	4208.8	4340.5	4462.9	4535.0	4581.3
-75°	2838.2	2958.8	3056.9	3147.7	3231.0	3338.1	3452.1	3559.0	3658.6	3713.6	3749.2
-77.5°	2281.2	2373.5	2447.5	2515.1	2576.5	2661.4	2749.1	2831.5	2908.3	2957.3	2996.6
-80°	1809.5	1865.4	1910.8	1953.1	1992.2	2055.6	2119.9	2180.6	2237.4	2269.3	2294.7
-82.5°	1390.0	1423.9	1450.9	1474.6	1495.0	1539.3	1583.4	1625.1	1664.5	1685.1	1702.7
-85°	1047.7	1066.0	1081.4	1095.0	1107.0	1137.8	1168.2	1197.6	1225.8	1231.8	1236.0
-87.5°	812.4	822.3	831.7	840.8	849.6	872.3	895.0	917.6	939.9	943.8	947.4
-90°	9.4	9.0	8.5	8.1	7.6	7.1	6.7	6.2	5.7	5.2	4.8



REPORT NUMBER: P701578 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-VHE-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	823.3	827.5	824.7	821.8	824.7	827.5	823.3	819.0	814.8	810.5	791.6
87.5°	42.2	41.5	41.6	41.6	41.6	41.5	42.2	42.9	43.5	43.9	39.4
85°	80.2	75.4	71.8	68.0	71.8	75.4	80.2	84.7	89.0	92.7	87.2
82.5°	145.2	146.6	146.2	145.5	146.2	146.6	145.2	143.7	142.0	140.3	135.0
80°	190.5	195.6	197.2	198.4	197.2	195.6	190.5	185.2	179.8	174.5	169.5
77.5°	183.8	187.0	188.0	188.9	188.0	187.0	183.8	180.7	177.5	174.8	174.7
75°	149.0	149.9	149.4	149.2	149.4	149.9	149.0	148.4	148.1	149.0	153.9
72.5°	110.1	108.8	108.0	107.7	108.0	108.8	110.1	111.8	113.8	117.1	123.8
70°	80.7	78.6	76.9	75.6	76.9	78.6	80.7	83.1	85.9	89.9	96.0
67.5°	57.8	55.8	54.1	52.9	54.1	55.8	57.8	60.3	63.1	67.1	72.4
65°	43.5	42.2	40.9	39.7	40.9	42.2	43.5	45.1	47.0	50.5	55.3
62.5°	32.0	30.8	30.3	30.2	30.3	30.8	32.0	33.4	35.1	39.0	43.9
60°	24.8	23.4	22.8	22.7	22.8	23.4	24.8	26.4	28.0	32.5	37.6
57.5°	37.1	31.8	28.6	26.4	28.6	31.8	37.1	41.1	43.3	62.8	70.2
55°	374.7	375.8	383.3	391.1	383.3	375.8	374.7	357.6	325.7	323.9	289.4
52.5°	1020.5	1017.2	1008.0	989.9	1008.0	1017.2	1020.5	994.3	960.1	969.0	903.4
50°	2326.5	2293.6	2222.4	2121.6	2222.4	2293.6	2326.5	2284.4	2214.3	2152.1	1989.4
47.5°	4592.8	4782.8	4914.2	4972.4	4914.2	4782.8	4592.8	4338.8	4150.2	3994.0	3765.4
45°	6710.4	6823.0	6888.8	6941.0	6888.8	6823.0	6710.4	6489.7	6277.8	6078.2	5854.2
42.5°	8807.0	8985.6	9073.6	9058.8	9073.6	8985.6	8807.0	8546.0	8239.4	7906.8	7557.0
40°	10876.3	11250.1	11557.0	11777.3	11557.0	11250.1	10876.3	10459.4	10025.5	9589.2	9131.9
37.5°	12856.2	13412.9	13883.2	14223.9	13883.2	13412.9	12856.2	12266.8	11671.0	11021.3	10563.0
35°	14883.5	15374.5	15696.7	15837.3	15696.7	15374.5	14883.5	14252.4	13480.8	12589.6	12193.0
32.5°	17175.7	17448.4	17506.3	17652.8	17506.3	17448.4	17175.7	16641.3	15803.3	14950.9	14304.4
30°	20144.2	20427.7	20434.6	20618.8	20434.6	20427.7	20144.2	19603.3	18715.1	17921.8	16968.9
27.5°	23900.3	24377.8	24532.8	24695.8	24532.8	24377.8	23900.3	23168.0	22239.2	21374.1	20154.1
25°	27922.3	28367.4	28510.0	28455.3	28510.0	28367.4	27922.3	27098.7	26106.1	25109.3	23844.9
22.5°	32436.7	33013.8	33223.8	33117.9	33223.8	33013.8	32436.7	31459.0	30504.7	29134.8	27677.4
20°	37489.4	38322.3	38762.6	38961.2	38762.6	38322.3	37489.4	36356.3	35180.6	33593.1	31741.1
17.5°	42807.6	44035.1	44598.7	44764.9	44598.7	44035.1	42807.6	41477.7	39916.8	38057.6	35864.8
15°	47645.8	48717.5	49448.5	49824.2	49448.5	48717.5	47645.8	46072.0	44247.1	42114.8	39657.1
12.5°	51386.8	52752.8	53891.3	54501.8	53891.3	52752.8	51386.8	49721.4	47893.3	45414.6	42839.0
10°	54436.2	55815.5	56850.7	57352.7	56850.7	55815.5	54436.2	52547.9	50336.3	47995.9	45465.3
7.5°	56546.0	57827.9	58631.6	58960.4	58631.6	57827.9	56546.0	54581.3	52319.7	49921.3	47352.7
5°	57909.8	59135.4	59729.5	59942.8	59729.5	59135.4	57909.8	56169.5	53903.0	51410.6	48735.1
2.5°	58891.7	59861.4	60337.1	60367.8	60337.1	59861.4	58891.7	57276.6	55045.6	52510.7	49714.0
0°	59340.1	60212.9	60734.4	60724.9	60734.4	60212.9	59340.1	57987.4	55865.9	53156.7	50309.7
-2.5°	59361.8	60121.2	60491.8	60282.8	60491.8	60121.2	59361.8	58173.6	56201.2	53661.7	50831.0
-5°	58938.5	59681.6	59959.4	59895.5	59959.4	59681.6	58938.5	57746.0	55947.0	53571.7	50853.3
-7.5°	58178.4	58837.8	59121.2	59130.4	59121.2	58837.8	58178.4	57027.9	55311.2	53061.4	50443.5
-10°	57019.2	57570.2	57894.9	57802.3	57894.9	57570.2	57019.2	55924.8	54301.7	52190.9	49691.4
-12.5°	55485.9	56029.7	56305.0	56249.4	56305.0	56029.7	55485.9	54450.7	53029.9	50891.9	48658.5
-15°	53651.7	54168.5	54426.5	54401.7	54426.5	54168.5	53651.7	52634.4	51138.2	49451.7	47382.6
-17.5°	51380.8	51898.9	52163.0	52198.9	52163.0	51898.9	51380.8	50440.1	49279.0	47777.6	45787.4
-20°	49000.9	49457.9	49699.7	49703.3	49699.7	49457.9	49000.9	48266.5	47150.6	45682.6	43715.3



REPORT NUMBER: P701578 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	46533.9	47047.0	47334.1	47290.7	47334.1	47047.0	46533.9	45789.1	44721.3	43333.2	41462.6
-25°	43784.2	44298.4	44577.6	44566.5	44577.6	44298.4	43784.2	43102.7	42111.2	40760.9	39128.0
-27.5°	40848.8	41343.0	41612.4	41645.8	41612.4	41343.0	40848.8	40231.5	39353.6	38111.8	36675.7
-30°	37891.8	38379.1	38643.0	38664.6	38643.0	38379.1	37891.8	37316.4	36528.9	35438.6	34122.3
-32.5°	34994.4	35434.4	35678.1	35704.2	35678.1	35434.4	34994.4	34447.2	33737.0	32773.5	31566.5
-35°	32167.7	32554.2	32773.0	32843.9	32773.0	32554.2	32167.7	31640.3	30944.1	30065.9	29066.0
-37.5°	29416.4	29765.9	29977.2	30106.5	29977.2	29765.9	29416.4	28920.3	28309.9	27577.4	26668.4
-40°	26759.1	27065.3	27233.7	27236.8	27233.7	27065.3	26759.1	26337.4	25795.2	25095.4	24290.9
-42.5°	24250.5	24508.3	24637.1	24639.1	24637.1	24508.3	24250.5	23861.0	23335.2	22708.1	22010.0
-45°	21781.4	22033.5	22212.0	22324.8	22212.0	22033.5	21781.4	21434.2	21003.1	20475.0	19851.3
-47.5°	19515.0	19721.7	19863.4	19940.6	19863.4	19721.7	19515.0	19224.5	18843.6	18368.7	17806.7
-50°	17387.7	17553.0	17673.8	17745.4	17673.8	17553.0	17387.7	17157.1	16842.3	16409.6	15889.4
-52.5°	15421.8	15542.4	15585.8	15557.7	15585.8	15542.4	15421.8	15232.4	14953.4	14528.4	14038.7
-55°	13545.4	13665.7	13713.8	13696.8	13713.8	13665.7	13545.4	13370.6	13137.4	12783.8	12388.5
-57.5°	11844.9	11951.5	12036.9	12089.1	12036.9	11951.5	11844.9	11697.1	11509.3	11230.2	10906.1
-60°	10325.8	10404.7	10458.3	10479.5	10458.3	10404.7	10325.8	10215.4	10075.1	9847.6	9567.4
-62.5°	8953.6	9002.7	9040.8	9056.9	9040.8	9002.7	8953.6	8871.2	8753.8	8551.9	8299.2
-65°	7670.8	7730.7	7723.5	7681.5	7723.5	7730.7	7670.8	7589.4	7487.2	7337.3	7139.9
-67.5°	6552.4	6591.4	6624.9	6642.5	6624.9	6591.4	6552.4	6494.7	6418.4	6294.9	6117.2
-70°	5536.7	5568.6	5580.6	5577.0	5580.6	5568.6	5536.7	5490.2	5429.3	5333.5	5185.2
-72.5°	4616.2	4639.6	4644.2	4636.1	4644.2	4639.6	4616.2	4581.3	4535.0	4462.9	4340.5
-75°	3774.5	3790.0	3797.8	3797.3	3797.8	3790.0	3774.5	3749.2	3713.6	3658.6	3559.0
-77.5°	3029.4	3055.5	3044.4	3024.6	3044.4	3055.5	3029.4	2996.6	2957.3	2908.3	2831.5
-80°	2315.3	2331.3	2322.6	2308.6	2322.6	2331.3	2315.3	2294.7	2269.3	2237.4	2180.6
-82.5°	1717.8	1730.4	1716.1	1698.4	1716.1	1730.4	1717.8	1702.7	1685.1	1664.5	1625.1
-85°	1239.0	1240.9	1239.7	1237.4	1239.7	1240.9	1239.0	1236.0	1231.8	1225.8	1197.6
-87.5°	950.6	953.6	951.1	948.4	951.1	953.6	950.6	947.4	943.8	939.9	917.6
-90°	4.3	3.8	4.8	5.7	4.8	3.8	4.3	4.8	5.2	5.7	6.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	772.7	753.8	734.9	726.9	718.9	710.8	702.8	677.3	651.8	626.3	600.8
87.5°	35.0	30.6	26.4	26.4	26.5	26.5	26.4	24.5	22.7	20.9	19.4
85°	81.5	75.6	69.8	70.1	70.1	69.7	68.7	63.4	58.0	52.4	46.9
82.5°	129.3	123.3	117.3	115.2	113.2	111.4	109.4	104.0	98.3	92.3	86.1
80°	164.2	158.7	153.6	151.9	149.7	147.0	143.2	137.2	130.7	123.8	116.2
77.5°	174.1	172.9	172.1	174.9	176.6	177.2	176.0	171.2	164.6	157.1	147.9
75°	158.7	163.2	169.3	179.4	188.4	196.2	198.8	197.1	193.7	188.6	179.4
72.5°	130.9	138.2	149.1	164.8	180.6	193.5	203.8	211.5	215.9	217.0	209.8
70°	102.7	110.0	122.3	138.9	155.9	173.1	192.9	212.2	229.2	237.8	233.5
67.5°	78.3	84.7	97.4	113.6	131.1	149.2	173.7	199.0	221.3	240.0	247.5
65°	60.1	65.0	77.6	93.9	110.7	128.2	154.2	180.5	207.2	232.9	250.1
62.5°	48.9	54.0	68.5	83.3	98.0	116.1	143.4	171.0	196.2	221.4	247.7
60°	42.1	48.5	65.3	80.6	94.3	116.2	147.2	173.3	194.0	228.6	256.8
57.5°	60.3	58.0	82.8	98.3	103.6	136.5	170.3	191.4	212.8	258.2	282.0
55°	218.6	234.1	248.4	213.6	165.1	252.2	260.6	241.6	281.0	316.8	350.2
52.5°	776.9	784.5	726.4	582.7	556.2	579.0	517.9	494.2	468.8	508.7	487.7
50°	1842.8	1802.5	1635.4	1394.4	1369.6	1215.5	1090.4	955.0	956.5	898.6	772.2
47.5°	3554.5	3319.1	3015.1	2737.7	2570.0	2421.2	2128.0	1743.3	1718.1	1506.4	1315.0
45°	5514.7	5142.1	4745.5	4322.1	3932.4	3673.6	3466.4	3078.1	2703.6	2450.8	2015.0
42.5°	7229.8	6923.3	6516.1	5913.8	5332.6	4898.4	4567.5	4247.0	3860.1	3493.5	3060.0
40°	8687.9	8268.3	7875.4	7425.9	6767.3	6078.4	5694.9	5274.4	4878.3	4464.4	4025.4
37.5°	10071.1	9496.2	9124.4	8648.9	8073.3	7470.0	6903.3	6390.0	5836.2	5371.8	4872.8
35°	11573.5	10971.9	10513.4	9981.6	9323.3	8805.0	8189.1	7547.9	6925.1	6288.8	5719.2
32.5°	13454.6	12869.1	12162.2	11502.3	10877.1	10186.1	9468.3	8713.0	8052.2	7310.4	6586.4
30°	15968.2	15146.7	14232.8	13333.9	12647.7	11785.1	10801.1	10040.2	9247.5	8369.3	7480.5
27.5°	19095.7	17788.0	16646.6	15686.4	14629.1	13577.1	12483.0	11444.6	10503.5	9496.9	8462.0
25°	22551.6	21069.0	19592.6	18332.9	16970.0	15570.8	14267.4	13015.6	11841.8	10662.4	9392.5
22.5°	26076.9	24485.5	22867.9	21164.9	19449.2	17783.9	16207.8	14608.4	13181.9	11787.5	10384.2
20°	29717.3	27804.9	25979.1	24018.1	21951.0	19928.7	18178.4	16289.4	14549.5	12929.1	11368.0
17.5°	33484.5	31111.8	28855.4	26643.8	24375.8	22151.5	19956.1	17871.6	15903.5	14050.3	12320.3
15°	37092.4	34320.0	31722.1	29178.8	26619.9	24045.0	21557.5	19303.9	17237.2	15191.2	13256.5
12.5°	40073.6	37250.8	34437.9	31422.9	28553.7	25793.5	23136.7	20679.8	18427.0	16165.5	14046.4
10°	42582.4	39607.1	36555.5	33432.7	30358.1	27403.1	24534.4	21798.6	19286.0	16955.9	14752.5
7.5°	44471.8	41441.6	38351.5	35137.5	31903.7	28749.8	25673.3	22751.7	20050.7	17623.8	15371.3
5°	45894.6	42835.1	39630.0	36396.1	33173.6	29918.6	26655.5	23574.6	20708.7	18171.3	15898.9
2.5°	46969.8	43833.1	40552.3	37331.5	34157.6	30859.5	27457.1	24243.4	21323.1	18663.9	16245.1
0°	47621.3	44466.4	41148.9	37888.1	34685.9	31493.1	28058.6	24737.3	21843.1	19064.0	16496.6
-2.5°	47933.4	44782.8	41370.3	38011.2	34798.4	31620.4	28387.6	25163.2	22171.0	19443.6	16846.7
-5°	47948.0	44808.2	41449.3	38119.4	34848.6	31682.1	28501.8	25383.1	22391.9	19692.1	17090.2
-7.5°	47664.5	44575.1	41256.4	37947.5	34708.9	31574.1	28425.1	25417.4	22523.8	19785.0	17211.4
-10°	47184.3	44156.7	40880.2	37564.3	34378.9	31243.0	28193.6	25323.2	22492.8	19757.2	17229.2
-12.5°	46162.2	43340.9	40191.4	36938.1	33823.3	30730.6	27810.9	25083.2	22293.0	19611.5	17145.1
-15°	44969.8	42219.0	39172.0	36089.8	33039.8	30083.0	27268.0	24597.4	21885.8	19341.1	16961.2
-17.5°	43369.4	40820.1	37921.3	35059.2	32136.4	29303.1	26587.0	23980.3	21415.7	18952.7	16621.3
-20°	41466.9	39009.4	36543.9	33884.7	31094.2	28384.7	25748.8	23288.9	20854.6	18457.9	16218.4



REPORT NUMBER: P701578 (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°	39399.1	37173.3	34855.6	32434.0	29917.9	27350.9	24864.0	22505.1	20185.2	17827.5	15733.6
-25°	37215.9	35198.4	33040.6	30828.9	28556.6	26183.1	23857.3	21607.2	19361.6	17155.1	15178.8
-27.5°	34949.6	33093.3	31228.0	29176.0	27062.6	24920.4	22754.8	20607.6	18454.5	16470.4	14599.1
-30°	32623.9	30974.7	29294.4	27519.2	25538.2	23530.5	21550.1	19559.8	17586.2	15715.5	13943.0
-32.5°	30253.1	28815.0	27299.0	25742.3	23951.0	22088.8	20279.4	18492.7	16663.7	14932.4	13297.0
-35°	27901.8	26662.7	25314.1	23863.2	22314.4	20642.0	18965.8	17339.5	15730.5	14103.6	12599.6
-37.5°	25647.0	24564.6	23327.8	21987.2	20634.8	19183.5	17673.7	16192.1	14714.5	13276.1	11866.7
-40°	23410.0	22427.1	21380.1	20182.2	18978.5	17742.9	16406.4	15034.4	13710.0	12412.4	11102.0
-42.5°	21246.8	20390.9	19483.0	18447.4	17364.1	16297.5	15146.7	13907.5	12684.7	11506.2	10364.0
-45°	19180.7	18436.9	17628.2	16768.3	15815.9	14866.7	13882.4	12770.7	11657.4	10615.9	9587.7
-47.5°	17204.3	16563.9	15865.3	15151.8	14326.5	13464.2	12591.1	11626.8	10675.3	9720.2	8829.7
-50°	15307.8	14765.9	14184.0	13584.2	12901.9	12129.8	11358.1	10568.4	9710.6	8883.7	8069.4
-52.5°	13498.4	13082.1	12627.8	12120.7	11562.0	10898.4	10200.5	9532.0	8796.9	8069.0	7345.3
-55°	11954.3	11576.5	11197.5	10774.1	10312.6	9743.6	9146.3	8548.1	7944.0	7278.0	6650.7
-57.5°	10543.1	10192.2	9875.4	9522.3	9133.6	8660.3	8154.0	7628.2	7110.7	6536.3	5965.4
-60°	9250.6	8916.7	8650.0	8356.5	8036.8	7644.2	7213.2	6760.5	6287.0	5816.6	5333.7
-62.5°	8025.5	7733.7	7509.1	7274.6	7017.5	6712.3	6325.7	5942.3	5541.9	5124.6	4731.2
-65°	6917.3	6669.2	6466.8	6282.0	6078.5	5851.7	5513.2	5179.0	4847.3	4505.8	4154.4
-67.5°	5922.9	5712.3	5539.1	5380.8	5219.1	5040.3	4772.5	4481.1	4199.8	3920.7	3623.9
-70°	5024.5	4852.0	4703.5	4571.4	4433.9	4288.9	4082.5	3844.4	3601.0	3363.1	3115.1
-72.5°	4208.8	4068.1	3940.8	3834.2	3715.9	3596.0	3438.7	3243.1	3041.4	2833.9	2626.5
-75°	3452.1	3338.1	3231.0	3147.7	3056.9	2958.8	2838.2	2679.0	2517.7	2354.9	2189.1
-77.5°	2749.1	2661.4	2576.5	2515.1	2447.5	2373.5	2281.2	2154.9	2036.3	1915.3	1791.6
-80°	2119.9	2055.6	1992.2	1953.1	1910.8	1865.4	1809.5	1712.9	1613.9	1518.0	1426.5
-82.5°	1583.4	1539.3	1495.0	1474.6	1450.9	1423.9	1390.0	1319.8	1248.7	1176.7	1104.3
-85°	1168.2	1137.8	1107.0	1095.0	1081.4	1066.0	1047.7	1001.8	955.1	907.6	859.4
-87.5°	895.0	872.3	849.6	840.8	831.7	822.3	812.4	781.5	750.6	719.7	688.7
-90°	6.7	7.1	7.6	8.1	8.5	9.0	9.4	9.9	10.4	10.8	11.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	573.4	546.0	518.6	491.2	463.3	435.5	407.6	379.7	348.1	316.5	284.8
87.5°	20.8	22.0	23.1	24.0	23.6	23.1	22.6	22.0	22.9	23.5	23.9
85°	43.9	41.4	39.4	37.9	35.8	33.0	32.0	30.9	32.2	32.9	33.1
82.5°	79.6	72.6	66.1	60.9	59.3	56.7	53.2	48.8	46.4	43.2	42.4
80°	106.7	97.7	89.1	82.2	81.3	80.6	76.9	72.2	68.4	63.6	58.0
77.5°	135.4	122.9	110.5	101.6	98.7	96.3	94.2	93.3	90.4	84.1	76.6
75°	165.3	150.7	136.3	126.2	120.6	111.6	107.7	108.2	111.3	104.9	95.2
72.5°	196.1	180.7	163.6	153.9	150.8	142.9	129.8	124.8	133.0	130.2	116.2
70°	223.7	211.2	194.5	190.3	186.4	175.9	163.8	160.4	156.8	156.6	144.3
67.5°	248.9	237.7	223.3	229.2	228.7	219.1	200.5	202.3	201.0	184.8	173.2
65°	256.9	257.7	254.4	270.4	273.9	265.4	247.7	250.4	247.0	231.1	203.2
62.5°	264.9	272.2	284.8	314.1	323.1	316.3	300.5	310.7	298.0	278.8	244.8
60°	274.0	287.7	322.5	359.3	375.5	371.1	367.6	374.9	362.4	328.1	291.7
57.5°	304.0	310.1	372.2	414.7	432.8	430.8	442.9	449.8	429.8	390.3	340.4
55°	353.3	376.9	446.4	485.4	501.8	496.5	529.7	533.6	503.2	457.5	392.5
52.5°	450.1	504.2	564.1	585.2	587.7	588.8	633.9	623.7	590.2	526.8	458.1
50°	667.2	714.8	746.5	734.0	694.6	728.5	751.0	737.0	681.9	602.6	526.7
47.5°	1125.4	1105.8	1024.2	935.2	863.9	893.2	906.4	862.1	778.3	691.1	596.7
45°	1831.1	1668.1	1448.6	1257.9	1106.5	1123.2	1089.5	997.4	902.7	786.7	668.2
42.5°	2598.5	2352.6	2073.2	1623.4	1480.4	1390.9	1292.7	1179.2	1034.6	885.4	749.0
40°	3499.5	3076.1	2752.8	2267.8	1878.9	1683.4	1554.3	1381.3	1172.8	993.0	836.9
37.5°	4351.1	3832.7	3427.7	2875.7	2318.3	2053.6	1837.9	1597.7	1320.6	1113.2	926.0
35°	5138.1	4567.7	4003.4	3424.2	2841.8	2425.0	2137.6	1839.1	1492.8	1232.3	1016.0
32.5°	5908.1	5245.3	4589.7	3941.4	3322.9	2796.9	2463.9	2051.7	1657.9	1350.1	1106.7
30°	6699.8	5926.4	5173.5	4441.8	3771.0	3211.2	2758.3	2251.0	1815.8	1466.2	1199.4
27.5°	7494.7	6598.5	5759.0	4957.3	4215.9	3590.6	2983.2	2436.7	1966.1	1587.5	1296.1
25°	8309.6	7307.1	6363.1	5472.5	4642.4	3882.5	3198.9	2609.7	2119.6	1715.4	1390.3
22.5°	9137.8	8025.6	6951.2	5974.6	4996.6	4176.7	3425.0	2791.6	2267.6	1836.3	1481.5
20°	9917.4	8733.4	7501.5	6377.7	5346.4	4481.1	3665.4	2963.1	2404.1	1950.1	1569.5
17.5°	10669.1	9370.1	7990.3	6772.3	5685.2	4760.9	3899.8	3123.7	2528.9	2056.7	1653.9
15°	11447.1	9928.0	8463.2	7135.1	5994.4	5015.9	4125.7	3272.6	2642.4	2155.8	1724.9
12.5°	12143.5	10470.0	8904.7	7464.5	6273.1	5246.1	4340.3	3409.2	2744.5	2243.2	1780.3
10°	12763.3	10986.9	9309.6	7758.8	6520.7	5451.6	4541.1	3548.4	2864.6	2321.7	1831.7
7.5°	13305.8	11468.6	9672.6	8016.4	6739.0	5622.3	4693.2	3707.0	2983.5	2394.4	1878.7
5°	13752.0	11867.1	10021.4	8313.8	6940.9	5761.0	4809.8	3852.0	3095.5	2460.5	1920.4
2.5°	14043.0	12138.6	10333.7	8590.1	7113.9	5878.1	4898.3	3982.6	3198.8	2519.1	1956.2
0°	14257.9	12338.4	10587.1	8826.4	7254.6	5971.8	4963.0	4097.7	3291.0	2569.3	1985.6
-2.5°	14534.7	12534.0	10745.3	9013.7	7451.2	6137.8	5072.7	4170.5	3355.7	2632.0	2034.4
-5°	14725.4	12662.1	10848.3	9154.5	7610.2	6274.4	5160.5	4226.6	3407.5	2684.9	2075.6
-7.5°	14858.7	12765.6	10917.1	9248.0	7729.5	6377.8	5224.1	4265.9	3446.6	2727.6	2108.8
-10°	14909.9	12821.3	10954.2	9275.7	7767.1	6426.7	5261.7	4288.2	3473.1	2759.8	2133.7
-12.5°	14869.3	12794.7	10925.7	9253.1	7755.5	6425.6	5275.9	4305.7	3488.0	2780.9	2149.8
-15°	14736.3	12682.6	10829.5	9179.6	7701.6	6392.7	5266.6	4309.9	3494.1	2788.2	2156.9
-17.5°	14499.1	12482.6	10664.1	9054.9	7604.6	6327.8	5233.6	4293.9	3485.0	2780.1	2151.9
-20°	14164.0	12220.0	10438.3	8878.8	7464.3	6230.8	5177.0	4257.3	3460.1	2759.8	2136.0



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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°	13763.9	11921.5	10221.5	8680.5	7300.4	6102.0	5097.0	4199.6	3419.2	2726.9	2111.6
-25°	13295.5	11571.9	9947.7	8464.4	7128.9	5988.3	5005.0	4120.7	3362.1	2681.2	2078.8
-27.5°	12831.3	11183.3	9611.6	8205.5	6946.2	5850.0	4900.1	4043.3	3293.1	2622.6	2037.4
-30°	12344.9	10760.3	9271.1	7921.9	6727.3	5692.9	4770.4	3947.6	3216.9	2561.0	1987.6
-32.5°	11777.3	10270.7	8900.6	7646.7	6509.0	5503.1	4616.6	3832.6	3125.2	2495.1	1940.1
-35°	11154.0	9778.0	8494.0	7333.1	6265.7	5310.5	4452.0	3698.6	3017.9	2419.6	1888.6
-37.5°	10491.5	9253.9	8113.2	7001.1	5981.6	5090.1	4286.4	3559.6	2895.4	2334.6	1830.1
-40°	9874.5	8714.9	7656.4	6649.5	5698.9	4842.6	4100.1	3413.2	2780.5	2240.2	1764.6
-42.5°	9215.3	8174.8	7189.9	6247.6	5399.3	4614.3	3897.1	3252.9	2666.7	2150.7	1692.4
-45°	8583.7	7612.6	6701.8	5868.9	5080.5	4364.9	3704.5	3083.3	2539.3	2060.0	1618.5
-47.5°	7926.2	7053.0	6228.6	5463.3	4779.9	4105.9	3497.5	2923.5	2398.6	1961.7	1544.6
-50°	7290.4	6498.3	5758.4	5078.7	4443.5	3862.8	3281.9	2747.6	2272.3	1851.8	1463.3
-52.5°	6649.3	5959.1	5302.1	4687.3	4131.3	3605.2	3065.7	2560.1	2135.1	1740.6	1375.1
-55°	6024.5	5440.2	4851.5	4312.4	3810.2	3332.9	2832.3	2391.3	1987.3	1624.6	1282.0
-57.5°	5441.5	4922.7	4421.6	3939.0	3480.2	3038.3	2611.4	2210.6	1840.9	1500.9	1199.1
-60°	4866.1	4436.0	3992.2	3560.4	3140.8	2755.0	2393.8	2024.6	1688.8	1374.6	1108.4
-62.5°	4337.1	3949.0	3566.7	3173.6	2817.7	2487.8	2168.0	1840.8	1528.7	1260.1	1011.8
-65°	3821.6	3480.4	3134.9	2819.0	2510.5	2218.0	1945.2	1648.1	1382.8	1139.9	917.5
-67.5°	3318.2	3034.4	2752.4	2469.8	2212.8	1962.3	1712.5	1469.9	1236.3	1014.5	836.5
-70°	2862.4	2610.4	2379.0	2154.2	1927.4	1705.7	1504.6	1294.4	1084.1	914.0	752.3
-72.5°	2428.2	2231.4	2036.6	1841.1	1659.5	1478.3	1298.0	1121.5	962.9	810.8	665.4
-75°	2020.6	1868.2	1719.3	1566.7	1406.5	1249.0	1113.8	978.9	839.0	704.5	592.1
-77.5°	1666.0	1540.6	1415.7	1299.6	1178.1	1060.0	945.9	832.7	719.4	618.4	522.6
-80°	1335.7	1244.7	1153.8	1061.6	963.1	868.1	788.0	707.3	618.0	532.6	451.4
-82.5°	1033.5	971.5	911.6	850.3	783.7	717.6	652.3	587.1	514.6	445.1	391.6
-85°	812.5	764.9	716.6	667.6	616.4	565.6	528.2	490.2	445.3	400.7	356.6
-87.5°	658.3	627.7	596.8	565.7	533.4	500.8	468.2	435.3	397.0	358.9	321.0
-90°	11.8	12.3	12.7	13.2	13.2	13.2	13.2	13.2	13.7	14.2	14.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	253.2	209.7	166.3	122.8	79.3	46.3	13.2
87.5°	23.9	23.2	22.2	20.8	19.2	16.8	13.2
85°	32.7	31.3	29.2	26.6	23.3	19.4	13.2
82.5°	41.6	39.3	36.2	32.3	27.4	22.0	13.2
80°	51.4	47.4	43.3	38.0	31.6	24.7	13.2
77.5°	68.4	58.8	50.3	43.7	35.7	27.3	13.2
75°	85.8	76.2	59.1	49.4	39.9	29.9	13.2
72.5°	103.6	93.9	75.5	55.0	44.1	32.5	13.2
70°	123.4	111.9	92.0	62.2	48.3	35.0	13.2
67.5°	153.6	130.1	108.6	76.2	52.6	37.6	13.2
65°	184.6	154.1	125.3	90.1	56.9	40.1	13.2
62.5°	216.4	183.7	142.1	103.9	61.2	42.6	13.2
60°	249.2	213.8	159.1	117.7	65.5	45.1	13.2
57.5°	294.4	244.4	185.0	131.5	75.6	47.6	13.2
55°	341.9	275.5	211.4	145.2	85.6	50.0	13.2
52.5°	390.3	308.7	237.9	158.9	95.4	52.4	13.2
50°	439.5	351.1	264.4	172.4	105.0	54.8	13.2
47.5°	491.2	393.7	291.0	187.5	114.5	57.1	13.2
45°	553.0	436.5	317.5	207.6	123.8	59.4	13.2
42.5°	615.3	479.3	343.9	227.3	132.8	61.6	13.2
40°	677.9	522.2	374.0	246.8	141.6	63.7	13.2
37.5°	740.7	564.9	407.3	265.8	150.2	65.8	13.2
35°	803.5	612.7	440.0	284.2	158.4	67.9	13.2
32.5°	869.6	662.6	472.1	301.9	166.4	69.9	13.2
30°	943.1	711.6	503.4	318.9	174.1	71.8	13.2
27.5°	1015.7	759.6	531.9	335.1	181.4	73.6	13.2
25°	1087.2	806.4	558.9	350.6	188.4	75.3	13.2
22.5°	1157.1	849.6	584.5	365.2	195.0	77.0	13.2
20°	1225.1	885.5	608.5	378.9	201.2	78.5	13.2
17.5°	1278.5	918.7	631.0	391.7	207.0	80.0	13.2
15°	1320.0	949.1	651.8	403.5	212.4	81.3	13.2
12.5°	1356.7	976.7	670.8	414.3	217.3	82.6	13.2
10°	1388.6	1001.3	688.0	424.0	221.7	83.7	13.2
7.5°	1415.6	1023.0	703.2	432.6	225.6	84.7	13.2
5°	1437.8	1041.6	716.5	440.1	229.1	85.6	13.2
2.5°	1455.2	1057.0	727.7	446.4	232.0	86.3	13.2
0°	1467.9	1069.3	736.8	451.5	234.3	86.9	13.2
-2.5°	1503.2	1089.2	748.8	458.3	237.9	88.6	13.2
-5°	1533.4	1105.8	758.6	463.9	240.9	90.2	13.2
-7.5°	1557.9	1118.7	766.0	468.1	243.4	91.6	13.2
-10°	1576.4	1127.9	770.9	471.0	245.2	92.8	13.2
-12.5°	1588.4	1133.2	773.2	472.4	246.5	93.9	13.2
-15°	1593.5	1134.4	772.9	472.5	247.1	94.8	13.2
-17.5°	1591.4	1131.5	770.0	471.0	247.2	95.6	13.2
-20°	1582.7	1124.3	764.3	468.2	246.6	96.2	13.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1568.7	1112.7	755.8	463.8	245.4	96.6	13.2
-25°	1548.7	1101.2	744.6	457.9	243.6	96.9	13.2
-27.5°	1522.4	1087.1	730.5	450.6	241.2	96.9	13.2
-30°	1490.1	1068.2	714.0	441.7	238.2	96.8	13.2
-32.5°	1451.7	1044.6	699.0	431.4	234.6	96.5	13.2
-35°	1415.9	1016.2	680.9	419.5	230.3	96.1	13.2
-37.5°	1377.6	985.8	659.9	406.2	225.5	95.4	13.2
-40°	1333.0	956.5	635.9	391.4	220.1	94.6	13.2
-42.5°	1282.4	923.2	613.6	376.1	214.1	93.6	13.2
-45°	1225.7	885.8	593.5	361.0	207.5	92.5	13.2
-47.5°	1163.1	844.6	571.0	344.3	200.4	91.1	13.2
-50°	1106.2	799.6	546.2	332.5	192.8	89.6	13.2
-52.5°	1046.4	750.9	519.2	321.6	184.6	87.9	13.2
-55°	982.0	710.8	490.0	309.4	175.9	86.1	13.2
-57.5°	913.1	670.1	458.7	296.0	166.8	84.1	13.2
-60°	842.1	626.6	426.0	281.6	157.2	81.9	13.2
-62.5°	784.2	580.4	403.4	266.1	152.2	79.6	13.2
-65°	722.9	531.7	379.1	249.5	146.9	77.2	13.2
-67.5°	658.6	488.6	353.4	232.0	141.3	74.6	13.2
-70°	591.4	451.5	326.3	213.6	135.4	71.9	13.2
-72.5°	538.1	412.5	297.9	202.2	129.2	69.0	13.2
-75°	484.9	371.8	268.3	192.1	122.7	66.1	13.2
-77.5°	429.8	329.7	250.3	181.5	116.0	63.0	13.2
-80°	373.0	300.9	234.5	170.5	109.0	59.8	13.2
-82.5°	341.5	279.0	218.2	159.0	101.9	56.6	13.2
-85°	312.7	256.4	201.3	147.3	94.5	53.2	13.2
-87.5°	283.3	233.3	184.0	135.2	87.0	49.8	13.2
-90°	15.1	15.1	15.1	15.1	15.1	14.2	13.2

(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

