

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: P1305640 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-7F-VHE-A**

Issue Date: 2/3/2026

**Test Information**

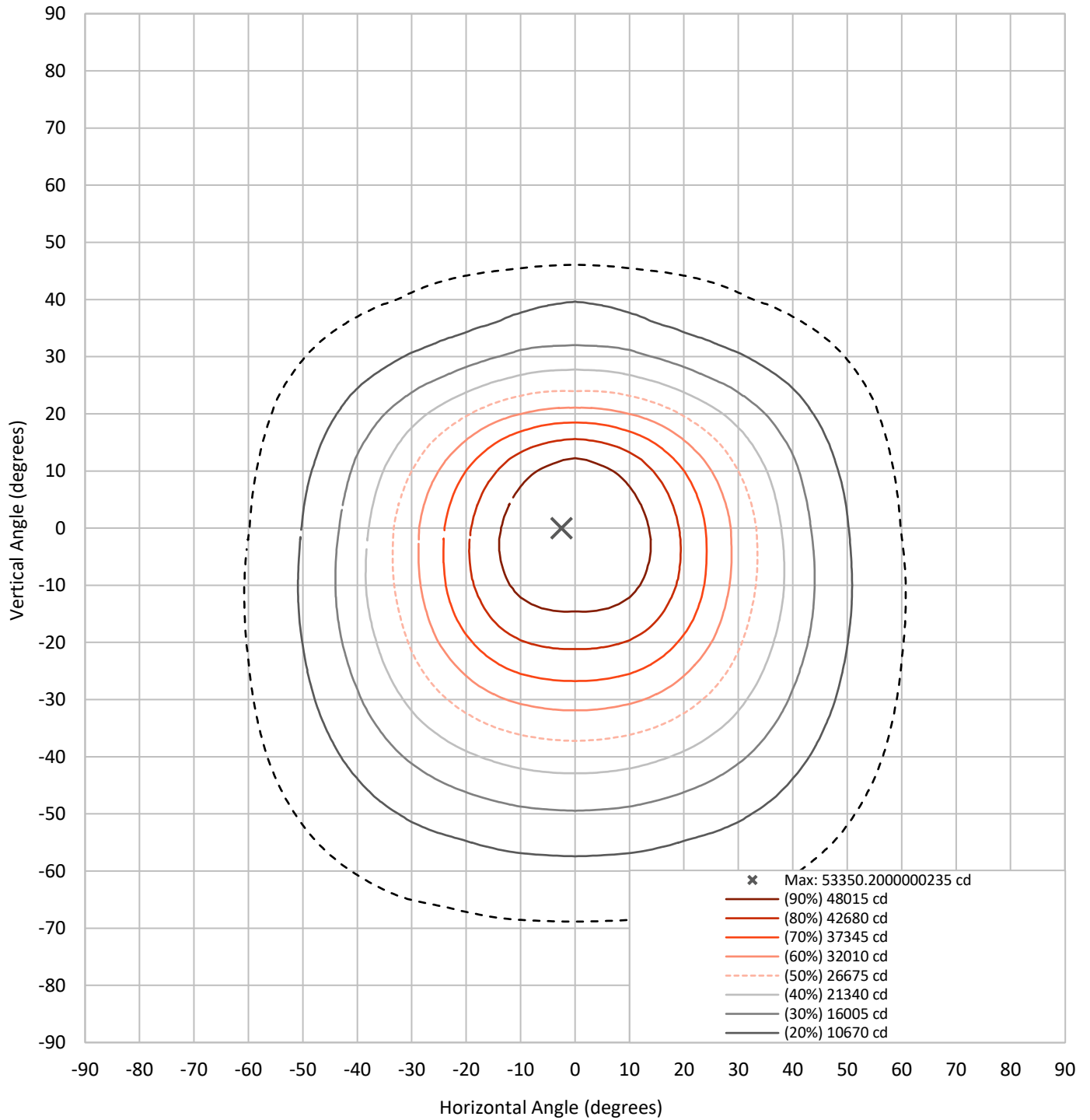
Test Method: LM-79-08  
Report Number: P1305640 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-640L-40-80-7F-VHE-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 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:	70975.4 lumens	Max Intensity:	53350.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	109.5 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:	38536.2 lumens	Field Lumens:	66510.4 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	648		
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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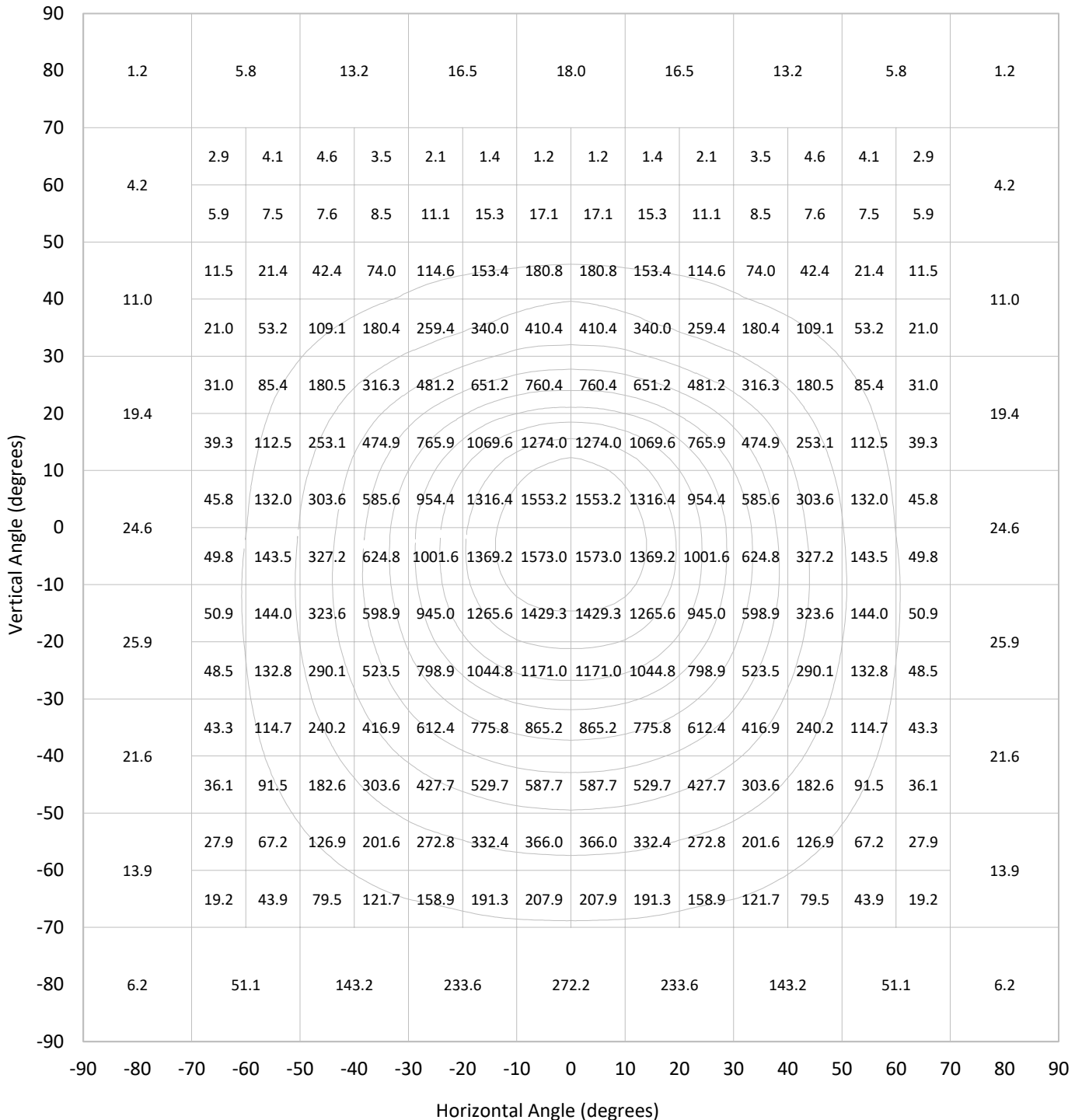
### Iso-Candela Plot





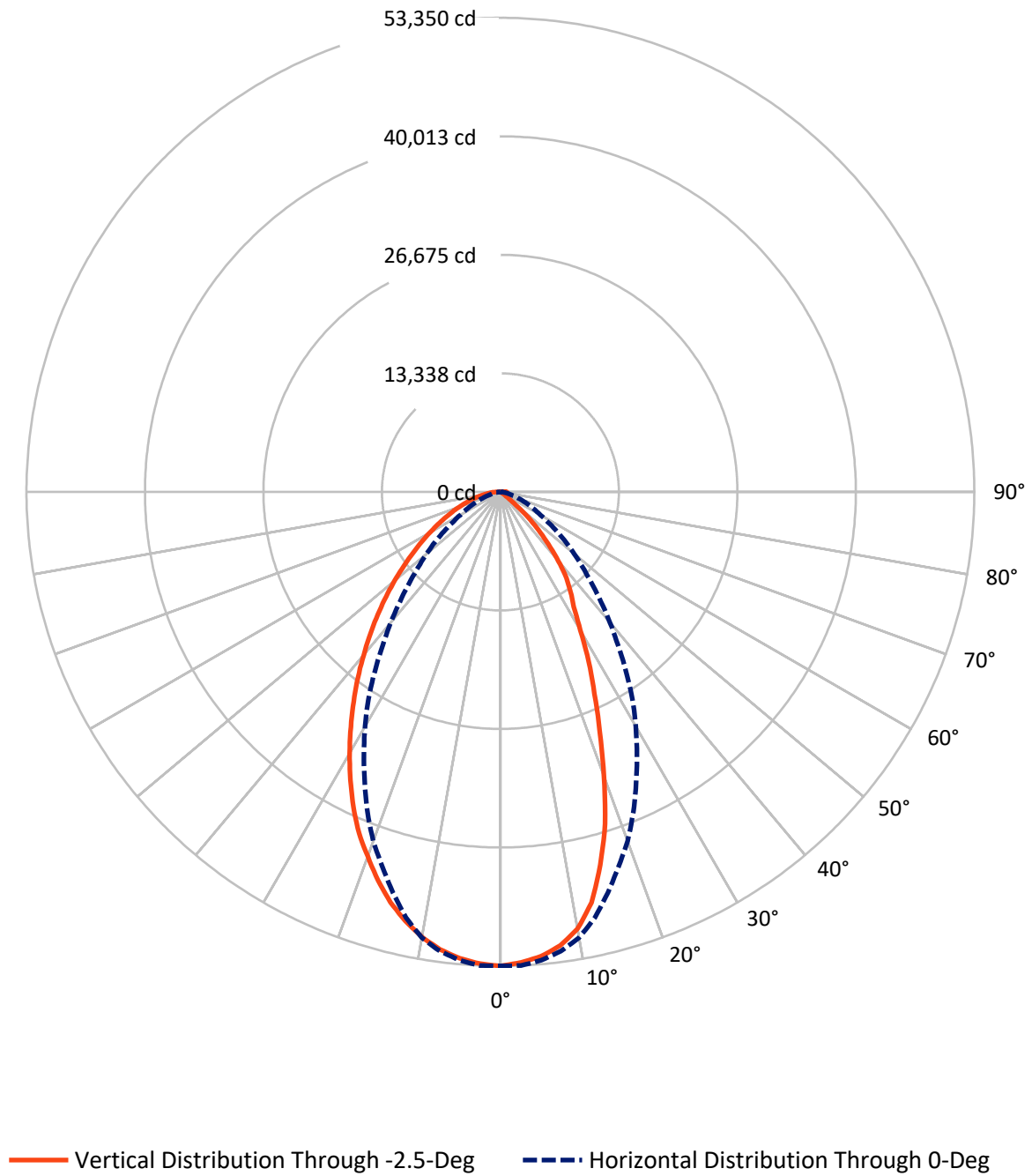
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### Lumen Table



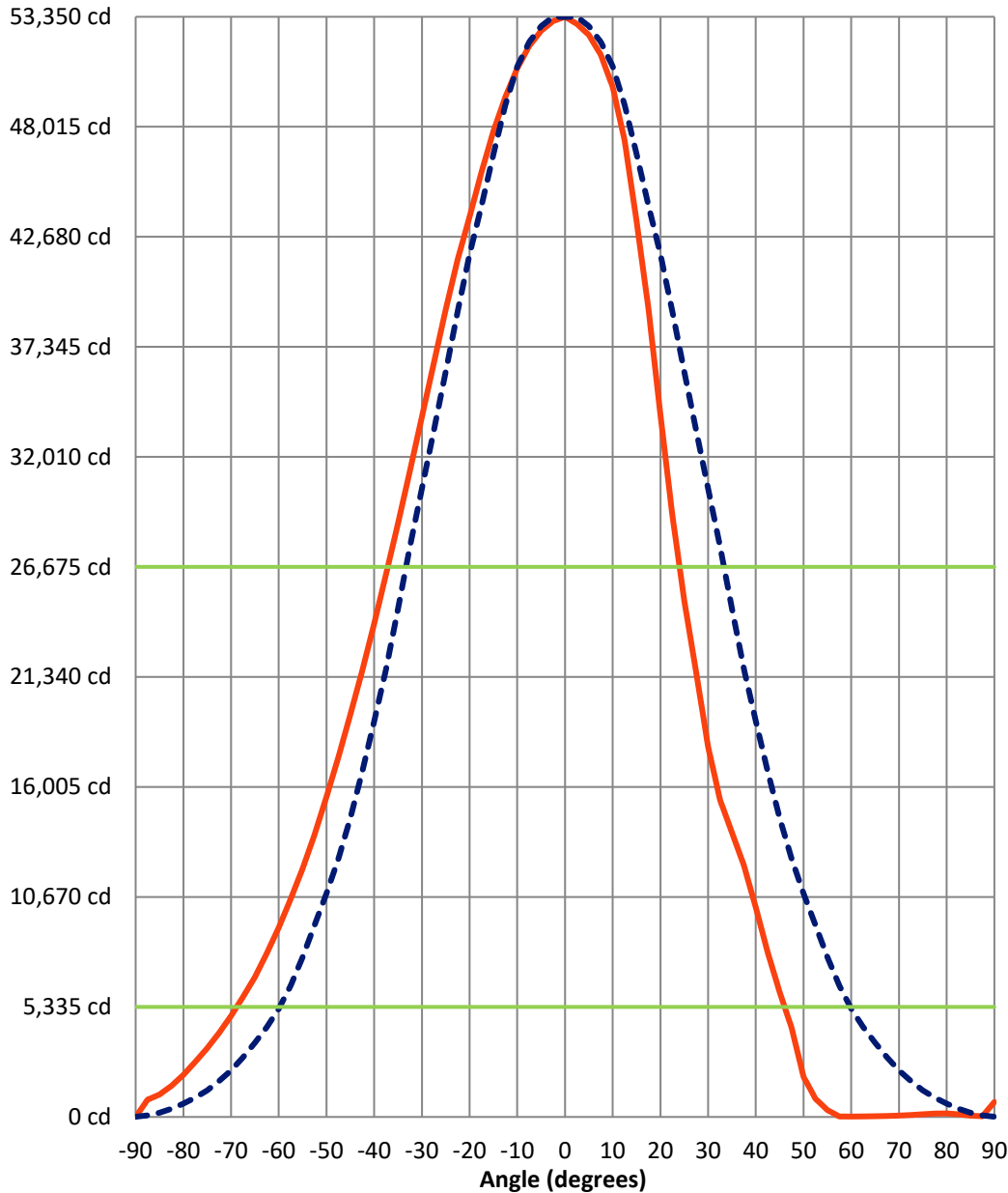
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 66.6°  
 V Angle: 61.2°  
 Lumens: 38536.2  
 Efficiency: 54.3%

**Field:**  
 H Angle: 119.6°  
 V Angle: 114.9°  
 Lumens: 66510.4  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 4465  
 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°	11.6	40.7	69.7	107.9	146.1	184.2	222.4	250.2	278.0	305.8	333.6
87.5°	11.6	14.8	16.9	18.3	19.5	20.4	21.0	21.0	20.7	20.1	19.3
85°	11.6	17.1	20.5	23.4	25.7	27.5	28.7	29.1	28.9	28.3	27.1
82.5°	11.6	19.4	24.2	28.4	31.9	34.6	36.5	37.3	37.9	40.7	42.9
80°	11.6	21.7	27.8	33.4	38.1	41.7	45.1	50.9	55.9	60.1	63.4
77.5°	11.6	24.0	31.4	38.4	44.2	51.6	60.1	67.3	73.8	79.4	82.0
75°	11.6	26.3	35.1	43.4	51.9	67.0	75.4	83.6	92.2	97.8	95.1
72.5°	11.6	28.5	38.8	48.4	66.3	82.5	91.0	102.1	114.4	116.9	109.7
70°	11.6	30.8	42.5	54.7	80.8	98.3	108.4	126.7	137.6	137.8	140.9
67.5°	11.6	33.0	46.2	67.0	95.4	114.3	134.9	152.2	162.4	176.6	177.7
65°	11.6	35.3	50.0	79.2	110.1	135.4	162.2	178.5	203.0	217.0	220.0
62.5°	11.6	37.5	53.8	91.3	124.9	161.4	190.2	215.1	245.0	261.8	272.9
60°	11.6	39.7	57.6	103.5	139.8	187.9	219.0	256.3	288.3	318.4	329.3
57.5°	11.6	41.8	66.4	115.6	162.5	214.7	258.6	299.1	342.9	377.6	395.1
55°	11.6	43.9	75.2	127.6	185.7	242.0	300.4	344.8	401.9	442.0	468.8
52.5°	11.6	46.1	83.8	139.6	209.0	271.2	342.9	402.5	462.8	518.5	547.9
50°	11.6	48.1	92.3	151.5	232.3	308.5	386.1	462.7	529.4	599.0	647.4
47.5°	11.6	50.2	100.6	164.8	255.6	345.9	431.5	524.2	607.1	683.7	757.3
45°	11.6	52.1	108.7	182.4	278.9	383.5	485.8	587.0	691.1	793.0	876.1
42.5°	11.6	54.1	116.7	199.7	302.1	421.1	540.5	658.0	777.8	908.9	1035.8
40°	11.6	56.0	124.4	216.8	328.5	458.7	595.5	735.2	872.3	1030.2	1213.4
37.5°	11.6	57.8	131.9	233.5	357.8	496.3	650.7	813.4	977.9	1160.1	1403.4
35°	11.6	59.6	139.2	249.6	386.5	538.3	705.9	892.5	1082.5	1311.3	1615.5
32.5°	11.6	61.4	146.2	265.2	414.7	582.1	763.9	972.1	1186.0	1456.4	1802.2
30°	11.6	63.0	152.9	280.1	442.2	625.1	828.5	1053.6	1287.9	1595.1	1977.3
27.5°	11.6	64.6	159.4	294.4	467.3	667.3	892.3	1138.5	1394.5	1727.1	2140.5
25°	11.6	66.1	165.5	308.0	491.0	708.4	955.0	1221.2	1506.8	1861.9	2292.5
22.5°	11.6	67.6	171.3	320.8	513.5	746.4	1016.5	1301.4	1613.0	1991.9	2452.2
20°	11.6	69.0	176.7	332.8	534.6	777.9	1076.2	1378.7	1713.0	2111.7	2602.9
17.5°	11.6	70.2	181.8	344.0	554.3	807.1	1123.1	1452.9	1806.6	2221.4	2743.9
15°	11.6	71.4	186.5	354.4	572.5	833.8	1159.5	1515.2	1893.7	2321.1	2874.7
12.5°	11.6	72.5	190.8	363.9	589.2	858.0	1191.7	1563.8	1970.4	2410.8	2994.7
10°	11.6	73.5	194.7	372.4	604.3	879.6	1219.7	1609.1	2039.3	2516.3	3117.0
7.5°	11.6	74.4	198.2	380.0	617.7	898.6	1243.4	1650.3	2103.2	2620.7	3256.3
5°	11.6	75.1	201.2	386.6	629.4	914.9	1262.9	1686.9	2161.3	2719.2	3383.7
2.5°	11.6	75.8	203.7	392.1	639.2	928.5	1278.2	1718.4	2212.8	2809.9	3498.4
0°	11.6	76.3	205.8	396.6	647.2	939.3	1289.4	1744.2	2256.9	2890.9	3599.5
-2.5°	11.6	77.8	209.0	402.6	657.8	956.8	1320.4	1787.0	2312.0	2947.7	3663.4
-5°	11.6	79.2	211.6	407.5	666.3	971.3	1346.9	1823.2	2358.5	2993.2	3712.7
-7.5°	11.6	80.4	213.8	411.2	672.8	982.7	1368.5	1852.4	2396.0	3027.5	3747.2
-10°	11.6	81.5	215.4	413.7	677.1	990.8	1384.7	1874.3	2424.2	3050.8	3766.8
-12.5°	11.6	82.5	216.5	415.0	679.2	995.4	1395.3	1888.4	2442.8	3063.9	3782.2
-15°	11.6	83.3	217.1	415.0	679.0	996.5	1399.8	1894.6	2449.2	3069.3	3785.9
-17.5°	11.6	84.0	217.1	413.8	676.4	993.9	1397.9	1890.2	2442.1	3061.3	3771.9
-20°	11.6	84.5	216.6	411.2	671.4	987.6	1390.2	1876.3	2424.2	3039.4	3739.7



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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°	11.6	84.8	215.6	407.4	663.9	977.4	1378.0	1854.9	2395.3	3003.5	3689.0
-25°	11.6	85.1	214.0	402.3	654.0	967.3	1360.3	1826.0	2355.2	2953.4	3619.7
-27.5°	11.6	85.1	211.9	395.8	641.6	954.9	1337.3	1789.7	2303.7	2892.7	3551.7
-30°	11.6	85.0	209.2	388.0	627.2	938.4	1308.9	1745.9	2249.6	2825.8	3467.6
-32.5°	11.6	84.8	206.0	378.9	614.0	917.6	1275.2	1704.2	2191.7	2745.2	3366.6
-35°	11.6	84.4	202.3	368.5	598.1	892.7	1243.7	1659.0	2125.4	2651.0	3248.9
-37.5°	11.6	83.8	198.1	356.8	579.6	866.0	1210.1	1607.5	2050.7	2543.3	3126.8
-40°	11.6	83.1	193.3	343.8	558.5	840.2	1171.0	1550.0	1967.8	2442.5	2998.2
-42.5°	11.6	82.2	188.1	330.3	538.9	810.9	1126.5	1486.6	1889.2	2342.5	2857.4
-45°	11.6	81.2	182.3	317.1	521.3	778.1	1076.6	1421.7	1809.5	2230.6	2708.5
-47.5°	11.6	80.0	176.1	302.4	501.6	741.9	1021.7	1356.7	1723.2	2106.9	2568.1
-50°	11.6	78.7	169.4	292.1	479.8	702.4	971.7	1285.4	1626.6	1996.0	2413.6
-52.5°	11.6	77.2	162.2	282.5	456.1	659.6	919.2	1207.8	1528.9	1875.5	2248.9
-55°	11.6	75.6	154.6	271.8	430.4	624.3	862.6	1126.1	1427.0	1745.7	2100.5
-57.5°	11.6	73.9	146.5	260.1	402.9	588.6	802.0	1053.3	1318.4	1617.0	1941.9
-60°	11.6	72.0	138.1	247.4	374.2	550.4	739.7	973.6	1207.4	1483.5	1778.5
-62.5°	11.6	70.0	133.7	233.7	354.3	509.8	688.8	888.7	1106.8	1342.8	1617.0
-65°	11.6	67.8	129.1	219.2	333.0	467.1	635.0	805.9	1001.3	1214.7	1447.7
-67.5°	11.6	65.5	124.2	203.8	310.4	429.2	578.5	734.7	891.2	1086.0	1291.2
-70°	11.6	63.2	119.0	187.7	286.6	396.6	519.5	660.9	802.8	952.3	1137.0
-72.5°	11.6	60.7	113.5	177.6	261.7	362.4	472.7	584.5	712.2	845.8	985.2
-75°	11.6	58.1	107.8	168.8	235.7	326.7	426.0	520.2	618.9	737.0	859.9
-77.5°	11.6	55.4	101.9	159.4	219.9	289.7	377.6	459.1	543.2	631.9	731.4
-80°	11.6	52.6	95.8	149.8	206.0	264.3	327.7	396.5	467.9	542.9	621.3
-82.5°	11.6	49.7	89.5	139.7	191.7	245.1	300.0	344.0	391.0	452.0	515.7
-85°	11.6	46.8	83.1	129.4	176.8	225.3	274.7	313.3	352.0	391.1	430.6
-87.5°	11.6	43.7	76.4	118.8	161.6	205.0	248.8	281.9	315.2	348.7	382.4
-90°	11.6	12.5	13.3	13.3	13.3	13.3	13.3	12.9	12.5	12.0	11.6



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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°	358.1	382.6	407.0	431.5	455.6	479.6	503.7	527.7	550.1	572.5	594.9
87.5°	19.9	20.3	20.7	21.1	20.3	19.3	18.2	17.0	18.4	19.9	21.6
85°	28.1	29.0	31.5	33.3	34.6	36.4	38.6	41.2	46.1	51.0	55.7
82.5°	46.7	49.8	52.1	53.5	58.1	63.8	70.0	75.7	81.2	86.4	91.4
80°	67.5	70.8	71.4	72.2	78.3	85.8	93.7	102.0	108.7	114.8	120.6
77.5°	82.7	84.6	86.7	89.2	97.1	108.0	118.9	129.9	138.0	144.6	150.4
75°	94.7	98.1	105.9	110.9	119.7	132.4	145.2	157.6	165.6	170.2	173.1
72.5°	114.1	125.5	132.5	135.2	143.8	158.8	172.3	184.3	190.6	189.6	185.7
70°	143.9	154.5	163.7	167.1	170.9	185.5	196.5	205.0	208.8	201.3	186.4
67.5°	176.1	192.5	200.9	201.3	196.1	208.8	218.7	217.4	210.8	194.4	174.8
65°	217.5	233.1	240.6	237.5	223.5	226.3	225.6	219.7	204.6	182.1	158.6
62.5°	263.9	277.9	283.8	275.9	250.2	239.1	232.7	217.6	194.5	172.4	150.2
60°	322.9	326.0	329.8	315.7	283.3	252.7	240.7	225.6	200.8	170.5	152.2
57.5°	389.0	378.4	380.2	364.3	327.0	272.4	267.1	247.8	226.9	186.9	168.2
55°	465.3	436.2	440.8	426.4	392.1	331.1	310.4	307.6	278.3	246.9	212.3
52.5°	556.8	517.2	516.3	514.0	495.5	442.9	395.5	428.4	446.9	411.8	434.2
50°	659.7	639.9	610.2	644.8	655.8	627.9	586.2	678.3	789.4	840.2	838.9
47.5°	796.2	784.6	758.8	821.5	899.7	971.4	988.6	1155.1	1323.3	1509.2	1531.3
45°	957.0	986.6	972.0	1104.9	1272.5	1465.3	1608.5	1770.0	2152.8	2374.9	2703.8
42.5°	1135.6	1221.8	1300.4	1425.9	1821.2	2066.6	2282.6	2688.0	3068.8	3390.8	3730.6
40°	1365.3	1478.8	1650.4	1992.0	2418.1	2702.1	3074.0	3536.0	3921.6	4285.2	4633.1
37.5°	1614.4	1804.0	2036.4	2526.1	3011.0	3366.8	3822.1	4280.3	4718.7	5126.6	5613.1
35°	1877.8	2130.2	2496.3	3007.9	3516.7	4012.4	4513.5	5023.9	5524.2	6083.1	6630.2
32.5°	2164.4	2456.9	2919.0	3462.2	4031.8	4607.5	5189.8	5785.6	6421.5	7073.2	7653.6
30°	2422.9	2820.8	3312.6	3901.8	4544.5	5205.9	5885.3	6571.0	7351.8	8123.2	8819.5
27.5°	2620.5	3154.1	3703.3	4354.6	5058.8	5796.3	6583.5	7433.2	8342.2	9226.5	10053.1
25°	2810.0	3410.5	4078.0	4807.2	5589.5	6418.7	7299.2	8250.5	9366.0	10402.1	11433.2
22.5°	3008.6	3668.9	4389.2	5248.3	6106.1	7049.9	8026.8	9121.6	10354.4	11579.2	12832.2
20°	3219.8	3936.3	4696.4	5602.3	6589.5	7671.6	8711.6	9985.9	11357.2	12780.5	14308.9
17.5°	3425.7	4182.1	4994.1	5948.9	7018.8	8230.9	9371.9	10822.4	12342.0	13970.0	15698.8
15°	3624.1	4406.1	5265.6	6267.6	7434.2	8720.9	10055.3	11644.7	13344.2	15141.5	16956.9
12.5°	3812.7	4608.3	5510.4	6557.0	7822.0	9197.1	10667.0	12338.6	14200.1	16186.6	18165.6
10°	3989.0	4788.9	5727.9	6815.5	8177.8	9651.1	11211.5	12958.9	14894.3	16941.2	19148.3
7.5°	4122.7	4938.8	5919.7	7041.7	8496.6	10074.2	11688.0	13502.4	15481.1	17612.9	19985.6
5°	4225.0	5060.6	6097.1	7303.0	8803.0	10424.3	12079.9	13965.9	15962.0	18190.9	20708.4
2.5°	4302.8	5163.5	6249.1	7545.7	9077.3	10662.8	12335.6	14270.0	16394.7	18730.6	21295.9
0°	4359.6	5245.7	6372.6	7753.3	9299.9	10838.3	12524.4	14490.9	16746.2	19187.4	21729.7
-2.5°	4456.0	5391.6	6545.3	7917.8	9438.8	11010.2	12767.6	14798.5	17079.6	19475.5	22103.8
-5°	4533.1	5511.6	6684.9	8041.5	9529.4	11122.7	12935.1	15012.4	17297.9	19669.5	22296.9
-7.5°	4589.0	5602.4	6789.8	8123.6	9589.8	11213.6	13052.2	15118.9	17379.5	19785.4	22327.1
-10°	4622.0	5645.3	6822.8	8147.9	9622.4	11262.5	13097.2	15134.5	17355.1	19758.1	22244.4
-12.5°	4634.5	5644.4	6812.6	8128.1	9597.4	11239.2	13061.6	15060.6	17227.1	19582.6	22033.6
-15°	4626.3	5615.5	6765.2	8063.6	9512.9	11140.7	12944.7	14899.1	16989.6	19224.9	21606.9
-17.5°	4597.3	5558.5	6680.0	7954.0	9367.5	10965.0	12736.4	14600.5	16648.4	18811.9	21064.8
-20°	4547.6	5473.3	6556.8	7799.4	9169.2	10734.3	12442.0	14246.6	16213.7	18319.1	20457.5



REPORT NUMBER: P1305640 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4477.3	5360.2	6412.8	7625.1	8978.8	10472.1	12090.5	13820.7	15660.0	17731.0	19768.9
-25°	4396.5	5260.2	6262.2	7435.3	8738.2	10165.0	11679.0	13333.4	15069.4	17007.6	18980.2
-27.5°	4304.3	5138.8	6101.7	7207.8	8443.0	9823.6	11271.2	12824.2	14468.0	16210.8	18102.1
-30°	4190.4	5000.8	5909.4	6958.7	8144.0	9452.0	10844.0	12247.8	13804.8	15448.1	17181.7
-32.5°	4055.3	4834.0	5717.6	6717.0	7818.5	9022.0	10345.4	11680.3	13116.9	14637.7	16244.4
-35°	3910.7	4664.8	5503.9	6441.6	7461.4	8589.3	9797.9	11067.7	12388.9	13818.0	15231.3
-37.5°	3765.3	4471.2	5254.4	6150.0	7126.8	8128.9	9215.9	10423.9	11662.0	12925.5	14223.4
-40°	3601.6	4253.8	5006.0	5841.1	6725.6	7655.3	8674.0	9752.2	10903.2	12043.1	13206.5
-42.5°	3423.3	4053.3	4742.9	5488.0	6315.8	7180.9	8094.9	9103.9	10107.2	11142.4	12216.6
-45°	3254.1	3834.2	4462.8	5155.4	5887.0	6687.1	7540.1	8422.1	9325.2	10240.1	11218.0
-47.5°	3072.3	3606.8	4198.8	4799.1	5471.3	6195.5	6962.5	7756.2	8538.4	9377.3	10213.1
-50°	2882.9	3393.2	3903.3	4461.2	5058.3	5708.2	6404.0	7088.3	7803.6	8530.0	9283.4
-52.5°	2693.0	3166.9	3629.0	4117.4	4657.5	5234.6	5840.9	6452.3	7088.0	7727.4	8373.1
-55°	2487.9	2927.7	3346.9	3788.1	4261.7	4778.8	5292.1	5842.1	6393.2	6978.3	7508.8
-57.5°	2294.0	2669.0	3057.1	3460.1	3884.0	4324.1	4779.9	5240.1	5741.6	6246.2	6700.8
-60°	2102.7	2420.1	2759.0	3127.5	3506.8	3896.7	4274.4	4685.2	5109.4	5522.6	5938.6
-62.5°	1904.4	2185.3	2475.1	2787.8	3133.0	3468.9	3809.8	4156.0	4501.5	4868.1	5219.8
-65°	1708.7	1948.3	2205.3	2476.3	2753.8	3057.2	3357.0	3649.3	3958.0	4258.0	4549.4
-67.5°	1504.3	1723.8	1943.7	2169.5	2417.8	2665.5	2914.8	3183.4	3444.1	3689.2	3936.2
-70°	1321.7	1498.3	1693.0	1892.3	2089.8	2293.0	2514.4	2736.4	2954.2	3163.2	3377.0
-72.5°	1140.2	1298.6	1457.7	1617.2	1789.0	1960.1	2133.0	2307.2	2489.3	2671.6	2848.8
-75°	978.3	1097.2	1235.5	1376.2	1510.3	1641.1	1774.9	1922.9	2068.6	2211.6	2353.3
-77.5°	830.9	931.2	1034.8	1141.6	1243.6	1353.3	1463.4	1573.8	1682.4	1788.8	1893.0
-80°	692.2	762.6	846.0	932.6	1013.6	1093.4	1173.3	1253.1	1333.5	1417.7	1504.6
-82.5°	573.0	630.3	688.4	747.0	800.8	853.4	907.8	970.1	1033.7	1096.9	1159.4
-85°	464.0	496.8	541.4	586.5	629.5	671.9	713.7	755.0	797.3	839.0	880.0
-87.5°	411.3	440.0	468.5	496.9	524.2	551.4	578.3	604.9	632.2	659.4	686.5
-90°	11.6	11.6	11.6	11.6	11.2	10.8	10.4	10.0	9.6	9.2	8.7



REPORT NUMBER: P1305640 (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°
90°	617.3	624.4	631.5	638.5	645.6	662.2	678.8	695.3	711.9	715.7	719.4
87.5°	23.3	23.3	23.3	23.3	23.2	26.9	30.7	34.6	38.6	38.2	37.6
85°	60.4	61.3	61.6	61.7	61.4	66.5	71.6	76.6	81.5	78.2	74.4
82.5°	96.1	97.9	99.5	101.3	103.1	108.4	113.6	118.6	123.2	124.8	126.2
80°	125.9	129.1	131.6	133.5	134.9	139.4	144.3	148.9	153.3	158.0	162.7
77.5°	154.6	155.7	155.1	153.6	151.1	151.8	152.9	153.4	153.5	155.9	158.7
75°	174.6	172.3	165.4	157.5	148.7	143.3	139.4	135.2	130.9	130.1	130.4
72.5°	179.0	169.9	158.7	144.7	131.0	121.5	115.0	108.8	102.8	99.9	98.2
70°	169.5	152.1	137.0	122.0	107.5	96.6	90.2	84.3	79.0	75.5	73.0
67.5°	152.6	131.1	115.2	99.8	85.6	74.4	68.8	63.6	58.9	55.4	52.9
65°	135.5	112.6	97.3	82.5	68.1	57.1	52.8	48.5	44.4	41.3	39.6
62.5°	126.0	102.0	86.1	73.2	60.2	47.4	42.9	38.6	34.2	30.9	29.4
60°	129.4	102.1	82.9	70.8	57.3	42.6	37.0	33.0	28.6	24.6	23.2
57.5°	149.6	119.9	91.0	86.3	72.7	51.0	53.0	61.7	55.2	38.1	36.2
55°	228.9	221.5	145.0	187.7	218.2	205.6	192.0	254.2	284.5	286.1	314.2
52.5°	454.9	508.6	488.6	511.8	638.1	689.2	682.5	793.6	851.2	843.4	873.5
50°	957.8	1067.7	1203.0	1224.9	1436.6	1583.4	1618.8	1747.5	1890.4	1945.1	2006.7
47.5°	1869.3	2126.9	2257.5	2404.8	2648.5	2915.5	3122.4	3307.6	3508.4	3645.7	3811.3
45°	3045.0	3226.9	3454.3	3796.6	4168.5	4516.9	4844.2	5142.5	5339.2	5514.6	5700.7
42.5°	4012.2	4302.8	4684.2	5194.8	5723.9	6081.5	6350.8	6638.2	6945.5	7237.6	7507.0
40°	5002.5	5339.3	5944.5	6523.0	6917.9	7263.0	7631.6	8021.6	8423.4	8806.6	9187.7
37.5°	6063.9	6561.8	7091.7	7597.3	8015.1	8341.6	8846.6	9278.7	9681.3	10252.0	10775.4
35°	7193.4	7734.4	8189.7	8768.1	9235.2	9637.9	10166.4	10710.5	11058.9	11841.8	12519.5
32.5°	8317.1	8947.6	9554.7	10103.9	10683.5	11304.5	11818.8	12565.3	13133.1	13881.9	14618.0
30°	9487.9	10352.3	11110.0	11712.7	12502.3	13305.1	14026.8	14905.8	15742.9	16439.8	17219.9
27.5°	10965.3	11926.4	12850.4	13779.2	14622.7	15625.3	16774.0	17703.8	18775.4	19535.3	20351.2
25°	12532.8	13677.7	14906.7	16104.0	17210.6	18507.5	19809.8	20945.8	22056.5	22932.0	23804.0
22.5°	14237.3	15621.7	17084.5	18591.7	20087.7	21508.5	22906.5	24312.3	25592.5	26796.0	27634.2
20°	15968.3	17505.7	19282.1	21098.0	22820.5	24424.3	26104.2	27882.0	29508.8	30903.3	31936.1
17.5°	17529.8	19458.3	21412.1	23404.4	25347.1	27329.1	29413.4	31504.3	33430.5	35063.7	36434.8
15°	18936.6	21121.6	23383.4	25631.2	27865.3	30147.3	32582.7	34835.5	36994.4	38867.5	40470.5
12.5°	20323.8	22657.5	25082.1	27602.4	30250.9	32721.8	35201.4	37630.6	39893.1	42070.4	43676.2
10°	21551.5	24071.4	26667.2	29367.9	32111.0	34791.6	37405.2	39937.6	42160.5	44216.3	46159.1
7.5°	22551.9	25254.4	28024.8	30865.4	33688.6	36403.0	39064.9	41595.5	43851.8	45958.6	47945.3
5°	23414.7	26281.0	29140.3	31971.1	34811.7	37627.2	40314.6	42809.8	45160.0	47349.4	49340.3
2.5°	24118.9	27107.6	30004.7	32792.7	35621.9	38503.8	41259.1	43669.8	46126.4	48353.1	50312.8
0°	24647.2	27664.2	30468.8	33281.6	36146.0	39060.1	41831.5	44193.0	46693.9	49073.6	50937.3
-2.5°	24936.2	27776.0	30567.5	33389.7	36340.4	39338.0	42105.6	44650.9	47137.4	49368.2	51100.8
-5°	25036.6	27830.2	30611.7	33484.8	36409.9	39360.4	42118.5	44670.5	47058.3	49144.9	50725.2
-7.5°	24969.2	27735.3	30489.0	33333.8	36240.4	39155.7	41869.4	44310.6	46610.1	48586.4	50094.3
-10°	24765.8	27444.5	30199.1	32997.2	35909.9	38788.1	41447.6	43649.9	45845.5	47699.6	49125.4
-12.5°	24429.6	26994.4	29711.0	32447.1	35304.9	38071.5	40549.7	42742.6	44704.4	46582.5	47830.5
-15°	23952.6	26425.5	29022.8	31702.0	34409.5	37085.9	39502.3	41621.8	43439.3	44920.7	46235.1
-17.5°	23354.5	25740.4	28229.3	30796.7	33310.8	35857.1	38096.5	40220.6	41968.8	43287.6	44307.5
-20°	22618.2	24933.7	27313.8	29765.0	32100.9	34266.6	36425.3	38400.4	40128.4	41418.0	42398.2



REPORT NUMBER: P1305640 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21841.1	24025.5	26280.4	28490.6	30617.9	32653.7	34608.9	36421.5	38064.7	39284.0	40222.0
-25°	20956.7	22999.7	25084.6	27080.7	29023.5	30919.0	32691.1	34370.8	35805.1	36991.3	37862.2
-27.5°	19988.3	21890.5	23772.3	25628.7	27431.3	29069.8	30700.4	32216.6	33478.1	34568.8	35340.1
-30°	18930.0	20669.6	22433.2	24173.4	25732.7	27208.7	28657.5	29973.6	31129.9	32087.7	32779.5
-32.5°	17813.8	19403.2	21039.0	22612.5	23979.9	25311.5	26574.8	27728.6	28788.9	29635.2	30259.0
-35°	16659.9	18132.3	19601.4	20961.9	22236.3	23420.9	24509.5	25532.1	26410.5	27181.9	27793.5
-37.5°	15524.9	16851.1	18126.0	19314.0	20491.6	21577.9	22528.7	23426.0	24224.6	24868.0	25404.1
-40°	14411.7	15585.6	16671.1	17728.4	18780.7	19700.4	20563.8	21337.5	22044.2	22659.0	23135.3
-42.5°	13305.2	14316.1	15252.9	16204.5	17114.2	17911.8	18663.6	19334.0	19947.3	20498.1	20960.0
-45°	12194.5	13059.2	13892.9	14729.6	15485.0	16195.3	16848.7	17437.8	17985.6	18449.6	18828.2
-47.5°	11060.2	11827.2	12584.7	13309.6	13936.3	14550.1	15112.6	15641.7	16135.5	16552.6	16887.2
-50°	9977.1	10655.1	11333.3	11932.6	12459.5	12970.6	13446.7	13957.6	14414.6	14794.6	15071.1
-52.5°	8960.3	9573.4	10156.3	10647.1	11092.5	11491.6	11857.3	12331.9	12762.1	13135.3	13380.4
-55°	8034.3	8558.9	9058.8	9464.2	9836.1	10169.0	10500.9	10882.3	11229.6	11540.1	11745.0
-57.5°	7162.6	7607.4	8023.1	8364.5	8674.8	8953.0	9261.3	9580.1	9864.9	10110.0	10275.0
-60°	6336.2	6714.7	7059.6	7340.5	7598.3	7832.5	8125.8	8404.2	8650.3	8850.2	8973.4
-62.5°	5556.6	5896.2	6164.3	6390.1	6596.1	6793.4	7049.7	7290.2	7512.2	7689.5	7792.6
-65°	4842.9	5140.2	5339.5	5518.2	5680.5	5858.3	6076.3	6271.8	6445.2	6576.9	6666.6
-67.5°	4192.2	4427.5	4584.6	4726.6	4865.6	5017.8	5202.7	5373.5	5529.5	5638.0	5705.1
-70°	3586.1	3767.4	3894.8	4015.6	4131.6	4262.1	4413.6	4554.8	4685.0	4769.2	4822.7
-72.5°	3020.6	3158.9	3264.1	3368.0	3461.7	3573.5	3697.1	3812.8	3920.3	3983.6	4024.3
-75°	2493.1	2599.0	2685.2	2765.0	2838.2	2932.3	3032.4	3126.3	3213.8	3262.1	3293.4
-77.5°	2003.9	2085.0	2149.9	2209.4	2263.2	2337.8	2414.8	2487.2	2554.6	2597.7	2632.2
-80°	1589.5	1638.6	1678.5	1715.7	1750.0	1805.7	1862.2	1915.5	1965.4	1993.4	2015.7
-82.5°	1220.9	1250.8	1274.5	1295.4	1313.3	1352.1	1390.9	1427.6	1462.1	1480.3	1495.7
-85°	920.3	936.4	949.9	961.9	972.4	999.5	1026.2	1052.0	1076.8	1082.0	1085.8
-87.5°	713.6	722.3	730.5	738.5	746.2	766.2	786.2	806.0	825.7	829.1	832.2
-90°	8.3	7.9	7.5	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2



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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°	723.2	726.9	724.4	721.9	724.4	726.9	723.2	719.4	715.7	711.9	695.3
87.5°	37.0	36.4	36.5	36.5	36.5	36.4	37.0	37.6	38.2	38.6	34.6
85°	70.4	66.2	63.0	59.7	63.0	66.2	70.4	74.4	78.2	81.5	76.6
82.5°	127.5	128.7	128.4	127.8	128.4	128.7	127.5	126.2	124.8	123.2	118.6
80°	167.3	171.8	173.2	174.2	173.2	171.8	167.3	162.7	158.0	153.3	148.9
77.5°	161.5	164.3	165.2	166.0	165.2	164.3	161.5	158.7	155.9	153.5	153.4
75°	130.9	131.8	131.3	131.1	131.3	131.8	130.9	130.4	130.1	130.9	135.2
72.5°	96.7	95.6	94.9	94.6	94.9	95.6	96.7	98.2	99.9	102.8	108.8
70°	70.8	68.9	67.5	66.4	67.5	68.9	70.8	73.0	75.5	79.0	84.3
67.5°	50.7	49.0	47.5	46.5	47.5	49.0	50.7	52.9	55.4	58.9	63.6
65°	38.2	37.1	35.9	34.8	35.9	37.1	38.2	39.6	41.3	44.4	48.5
62.5°	28.2	27.2	26.7	26.6	26.7	27.2	28.2	29.4	30.9	34.2	38.6
60°	21.8	20.5	20.0	19.9	20.0	20.5	21.8	23.2	24.6	28.6	33.0
57.5°	32.7	28.0	25.1	23.2	25.1	28.0	32.7	36.2	38.1	55.2	61.7
55°	329.1	330.1	336.7	343.5	336.7	330.1	329.1	314.2	286.1	284.5	254.2
52.5°	896.5	893.5	885.4	869.6	885.4	893.5	896.5	873.5	843.4	851.2	793.6
50°	2043.6	2014.7	1952.2	1863.6	1952.2	2014.7	2043.6	2006.7	1945.1	1890.4	1747.5
47.5°	4034.4	4201.3	4316.8	4367.9	4316.8	4201.3	4034.4	3811.3	3645.7	3508.4	3307.6
45°	5894.6	5993.5	6051.3	6097.1	6051.3	5993.5	5894.6	5700.7	5514.6	5339.2	5142.5
42.5°	7736.2	7893.1	7970.4	7957.4	7970.4	7893.1	7736.2	7507.0	7237.6	6945.5	6638.2
40°	9553.9	9882.3	10151.8	10345.4	10151.8	9882.3	9553.9	9187.7	8806.6	8423.4	8021.6
37.5°	11293.1	11782.1	12195.2	12494.5	12195.2	11782.1	11293.1	10775.4	10252.0	9681.3	9278.7
35°	13073.9	13505.2	13788.3	13911.7	13788.3	13505.2	13073.9	12519.5	11841.8	11058.9	10710.5
32.5°	15087.4	15327.0	15377.8	15506.5	15377.8	15327.0	15087.4	14618.0	13881.9	13133.1	12565.3
30°	17695.0	17944.1	17950.1	18112.0	17950.1	17944.1	17695.0	17219.9	16439.8	15742.9	14905.8
27.5°	20994.4	21413.9	21550.1	21693.2	21550.1	21413.9	20994.4	20351.2	19535.3	18775.4	17703.8
25°	24527.4	24918.4	25043.7	24995.7	25043.7	24918.4	24527.4	23804.0	22932.0	22056.5	20945.8
22.5°	28493.0	28999.9	29184.3	29091.4	29184.3	28999.9	28493.0	27634.2	26796.0	25592.5	24312.3
20°	32931.4	33663.0	34049.8	34224.3	34049.8	33663.0	32931.4	31936.1	30903.3	29508.8	27882.0
17.5°	37603.0	38681.2	39176.3	39322.3	39176.3	38681.2	37603.0	36434.8	35063.7	33430.5	31504.3
15°	41853.0	42794.4	43436.5	43766.5	43436.5	42794.4	41853.0	40470.5	38867.5	36994.4	34835.5
12.5°	45139.1	46339.0	47339.1	47875.5	47339.1	46339.0	45139.1	43676.2	42070.4	39893.1	37630.6
10°	47817.8	49029.4	49938.7	50379.7	49938.7	49029.4	47817.8	46159.1	44216.3	42160.5	39937.6
7.5°	49671.1	50797.1	51503.1	51791.9	51503.1	50797.1	49671.1	47945.3	45958.6	43851.8	41595.5
5°	50869.0	51945.6	52467.5	52654.9	52467.5	51945.6	50869.0	49340.3	47349.4	45160.0	42809.8
2.5°	51731.5	52583.4	53001.3	53028.3	53001.3	52583.4	51731.5	50312.8	48353.1	46126.4	43669.8
0°	52125.5	52892.2	53350.2	53341.9	53350.2	52892.2	52125.5	50937.3	49073.6	46693.9	44193.0
-2.5°	52144.5	52811.6	53137.1	52953.6	53137.1	52811.6	52144.5	51100.8	49368.2	47137.4	44650.9
-5°	51772.7	52425.5	52669.4	52613.4	52669.4	52425.5	51772.7	50725.2	49144.9	47058.3	44670.5
-7.5°	51105.0	51684.2	51933.3	51941.3	51933.3	51684.2	51105.0	50094.3	48586.4	46610.1	44310.6
-10°	50086.8	50570.8	50856.0	50774.6	50856.0	50570.8	50086.8	49125.4	47699.6	45845.5	43649.9
-12.5°	48739.9	49217.6	49459.4	49410.5	49459.4	49217.6	48739.9	47830.5	46582.5	44704.4	42742.6
-15°	47128.7	47582.7	47809.3	47787.5	47809.3	47582.7	47128.7	46235.1	44920.7	43439.3	41621.8
-17.5°	45133.8	45588.9	45820.9	45852.5	45820.9	45588.9	45133.8	44307.5	43287.6	41968.8	40220.6
-20°	43043.3	43444.7	43657.2	43660.3	43657.2	43444.7	43043.3	42398.2	41418.0	40128.4	38400.4



REPORT NUMBER: P1305640 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	40876.2	41327.0	41579.2	41541.1	41579.2	41327.0	40876.2	40222.0	39284.0	38064.7	36421.5
-25°	38460.9	38912.6	39157.8	39148.0	39157.8	38912.6	38460.9	37862.2	36991.3	35805.1	34370.8
-27.5°	35882.3	36316.4	36553.2	36582.4	36553.2	36316.4	35882.3	35340.1	34568.8	33478.1	32216.6
-30°	33284.9	33712.9	33944.8	33963.7	33944.8	33712.9	33284.9	32779.5	32087.7	31129.9	29973.6
-32.5°	30739.8	31126.3	31340.3	31363.2	31340.3	31126.3	30739.8	30259.0	29635.2	28788.9	27728.6
-35°	28256.7	28596.2	28788.4	28850.7	28788.4	28596.2	28256.7	27793.5	27181.9	26410.5	25532.1
-37.5°	25840.0	26146.9	26332.5	26446.1	26332.5	26146.9	25840.0	25404.1	24868.0	24224.6	23426.0
-40°	23505.7	23774.7	23922.6	23925.3	23922.6	23774.7	23505.7	23135.3	22659.0	22044.2	21337.5
-42.5°	21302.1	21528.5	21641.6	21643.4	21641.6	21528.5	21302.1	20960.0	20498.1	19947.3	19334.0
-45°	19133.2	19354.6	19511.4	19610.5	19511.4	19354.6	19133.2	18828.2	18449.6	17985.6	17437.8
-47.5°	17142.4	17324.0	17448.4	17516.2	17448.4	17324.0	17142.4	16887.2	16552.6	16135.5	15641.7
-50°	15273.7	15418.9	15525.0	15587.9	15525.0	15418.9	15273.7	15071.1	14794.6	14414.6	13957.6
-52.5°	13546.8	13652.7	13690.8	13666.1	13690.8	13652.7	13546.8	13380.4	13135.3	12762.1	12331.9
-55°	11898.6	12004.2	12046.4	12031.5	12046.4	12004.2	11898.6	11745.0	11540.1	11229.6	10882.3
-57.5°	10404.8	10498.5	10573.4	10619.3	10573.4	10498.5	10404.8	10275.0	10110.0	9864.9	9580.1
-60°	9070.4	9139.7	9186.8	9205.4	9186.8	9139.7	9070.4	8973.4	8850.2	8650.3	8404.2
-62.5°	7865.1	7908.2	7941.6	7955.7	7941.6	7908.2	7865.1	7792.6	7689.5	7512.2	7290.2
-65°	6738.2	6790.8	6784.4	6747.6	6784.4	6790.8	6738.2	6666.6	6576.9	6445.2	6271.8
-67.5°	5755.7	5789.9	5819.4	5834.9	5819.4	5789.9	5755.7	5705.1	5638.0	5529.5	5373.5
-70°	4863.6	4891.7	4902.1	4898.9	4902.1	4891.7	4863.6	4822.7	4769.2	4685.0	4554.8
-72.5°	4055.0	4075.5	4079.5	4072.5	4079.5	4075.5	4055.0	4024.3	3983.6	3920.3	3812.8
-75°	3315.6	3329.2	3336.0	3335.6	3336.0	3329.2	3315.6	3293.4	3262.1	3213.8	3126.3
-77.5°	2661.0	2684.0	2674.2	2656.9	2674.2	2684.0	2661.0	2632.2	2597.7	2554.6	2487.2
-80°	2033.8	2047.8	2040.2	2027.9	2040.2	2047.8	2033.8	2015.7	1993.4	1965.4	1915.5
-82.5°	1509.0	1520.0	1507.4	1491.9	1507.4	1520.0	1509.0	1495.7	1480.3	1462.1	1427.6
-85°	1088.4	1090.1	1089.0	1087.0	1089.0	1090.1	1088.4	1085.8	1082.0	1076.8	1052.0
-87.5°	835.1	837.7	835.5	833.1	835.5	837.7	835.1	832.2	829.1	825.7	806.0
-90°	3.7	3.3	4.2	5.0	4.2	3.3	3.7	4.2	4.6	5.0	5.4



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	678.8	662.2	645.6	638.5	631.5	624.4	617.3	594.9	572.5	550.1	527.7
87.5°	30.7	26.9	23.2	23.3	23.3	23.3	23.3	21.6	19.9	18.4	17.0
85°	71.6	66.5	61.4	61.7	61.6	61.3	60.4	55.7	51.0	46.1	41.2
82.5°	113.6	108.4	103.1	101.3	99.5	97.9	96.1	91.4	86.4	81.2	75.7
80°	144.3	139.4	134.9	133.5	131.6	129.1	125.9	120.6	114.8	108.7	102.0
77.5°	152.9	151.8	151.1	153.6	155.1	155.7	154.6	150.4	144.6	138.0	129.9
75°	139.4	143.3	148.7	157.5	165.4	172.3	174.6	173.1	170.2	165.6	157.6
72.5°	115.0	121.5	131.0	144.7	158.7	169.9	179.0	185.7	189.6	190.6	184.3
70°	90.2	96.6	107.5	122.0	137.0	152.1	169.5	186.4	201.3	208.8	205.0
67.5°	68.8	74.4	85.6	99.8	115.2	131.1	152.6	174.8	194.4	210.8	217.4
65°	52.8	57.1	68.1	82.5	97.3	112.6	135.5	158.6	182.1	204.6	219.7
62.5°	42.9	47.4	60.2	73.2	86.1	102.0	126.0	150.2	172.4	194.5	217.6
60°	37.0	42.6	57.3	70.8	82.9	102.1	129.4	152.2	170.5	200.8	225.6
57.5°	53.0	51.0	72.7	86.3	91.0	119.9	149.6	168.2	186.9	226.9	247.8
55°	192.0	205.6	218.2	187.7	145.0	221.5	228.9	212.3	246.9	278.3	307.6
52.5°	682.5	689.2	638.1	511.8	488.6	508.6	454.9	434.2	411.8	446.9	428.4
50°	1618.8	1583.4	1436.6	1224.9	1203.0	1067.7	957.8	838.9	840.2	789.4	678.3
47.5°	3122.4	2915.5	2648.5	2404.8	2257.5	2126.9	1869.3	1531.3	1509.2	1323.3	1155.1
45°	4844.2	4516.9	4168.5	3796.6	3454.3	3226.9	3045.0	2703.8	2374.9	2152.8	1770.0
42.5°	6350.8	6081.5	5723.9	5194.8	4684.2	4302.8	4012.2	3730.6	3390.8	3068.8	2688.0
40°	7631.6	7263.0	6917.9	6523.0	5944.5	5339.3	5002.5	4633.1	4285.2	3921.6	3536.0
37.5°	8846.6	8341.6	8015.1	7597.3	7091.7	6561.8	6063.9	5613.1	5126.6	4718.7	4280.3
35°	10166.4	9637.9	9235.2	8768.1	8189.7	7734.4	7193.4	6630.2	6083.1	5524.2	5023.9
32.5°	11818.8	11304.5	10683.5	10103.9	9554.7	8947.6	8317.1	7653.6	7073.2	6421.5	5785.6
30°	14026.8	13305.1	12502.3	11712.7	11110.0	10352.3	9487.9	8819.5	8123.2	7351.8	6571.0
27.5°	16774.0	15625.3	14622.7	13779.2	12850.4	11926.4	10965.3	10053.1	9226.5	8342.2	7433.2
25°	19809.8	18507.5	17210.6	16104.0	14906.7	13677.7	12532.8	11433.2	10402.1	9366.0	8250.5
22.5°	22906.5	21508.5	20087.7	18591.7	17084.5	15621.7	14237.3	12832.2	11579.2	10354.4	9121.6
20°	26104.2	24424.3	22820.5	21098.0	19282.1	17505.7	15968.3	14308.9	12780.5	11357.2	9985.9
17.5°	29413.4	27329.1	25347.1	23404.4	21412.1	19458.3	17529.8	15698.8	13970.0	12342.0	10822.4
15°	32582.7	30147.3	27865.3	25631.2	23383.4	21121.6	18936.6	16956.9	15141.5	13344.2	11644.7
12.5°	35201.4	32721.8	30250.9	27602.4	25082.1	22657.5	20323.8	18165.6	16186.6	14200.1	12338.6
10°	37405.2	34791.6	32111.0	29367.9	26667.2	24071.4	21551.5	19148.3	16941.2	14894.3	12958.9
7.5°	39064.9	36403.0	33688.6	30865.4	28024.8	25254.4	22551.9	19985.6	17612.9	15481.1	13502.4
5°	40314.6	37627.2	34811.7	31971.1	29140.3	26281.0	23414.7	20708.4	18190.9	15962.0	13965.9
2.5°	41259.1	38503.8	35621.9	32792.7	30004.7	27107.6	24118.9	21295.9	18730.6	16394.7	14270.0
0°	41831.5	39060.1	36146.0	33281.6	30468.8	27664.2	24647.2	21729.7	19187.4	16746.2	14490.9
-2.5°	42105.6	39338.0	36340.4	33389.7	30567.5	27776.0	24936.2	22103.8	19475.5	17079.6	14798.5
-5°	42118.5	39360.4	36409.9	33484.8	30611.7	27830.2	25036.6	22296.9	19669.5	17297.9	15012.4
-7.5°	41869.4	39155.7	36240.4	33333.8	30489.0	27735.3	24969.2	22327.1	19785.4	17379.5	15118.9
-10°	41447.6	38788.1	35909.9	32997.2	30199.1	27444.5	24765.8	22244.4	19758.1	17355.1	15134.5
-12.5°	40549.7	38071.5	35304.9	32447.1	29711.0	26994.4	24429.6	22033.6	19582.6	17227.1	15060.6
-15°	39502.3	37085.9	34409.5	31702.0	29022.8	26425.5	23952.6	21606.9	19224.9	16989.6	14899.1
-17.5°	38096.5	35857.1	33310.8	30796.7	28229.3	25740.4	23354.5	21064.8	18811.9	16648.4	14600.5
-20°	36425.3	34266.6	32100.9	29765.0	27313.8	24933.7	22618.2	20457.5	18319.1	16213.7	14246.6



REPORT NUMBER: P1305640 (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°	34608.9	32653.7	30617.9	28490.6	26280.4	24025.5	21841.1	19768.9	17731.0	15660.0	13820.7
-25°	32691.1	30919.0	29023.5	27080.7	25084.6	22999.7	20956.7	18980.2	17007.6	15069.4	13333.4
-27.5°	30700.4	29069.8	27431.3	25628.7	23772.3	21890.5	19988.3	18102.1	16210.8	14468.0	12824.2
-30°	28657.5	27208.7	25732.7	24173.4	22433.2	20669.6	18930.0	17181.7	15448.1	13804.8	12247.8
-32.5°	26574.8	25311.5	23979.9	22612.5	21039.0	19403.2	17813.8	16244.4	14637.7	13116.9	11680.3
-35°	24509.5	23420.9	22236.3	20961.9	19601.4	18132.3	16659.9	15231.3	13818.0	12388.9	11067.7
-37.5°	22528.7	21577.9	20491.6	19314.0	18126.0	16851.1	15524.9	14223.4	12925.5	11662.0	10423.9
-40°	20563.8	19700.4	18780.7	17728.4	16671.1	15585.6	14411.7	13206.5	12043.1	10903.2	9752.2
-42.5°	18663.6	17911.8	17114.2	16204.5	15252.9	14316.1	13305.2	12216.6	11142.4	10107.2	9103.9
-45°	16848.7	16195.3	15485.0	14729.6	13892.9	13059.2	12194.5	11218.0	10240.1	9325.2	8422.1
-47.5°	15112.6	14550.1	13936.3	13309.6	12584.7	11827.2	11060.2	10213.1	9377.3	8538.4	7756.2
-50°	13446.7	12970.6	12459.5	11932.6	11333.3	10655.1	9977.1	9283.4	8530.0	7803.6	7088.3
-52.5°	11857.3	11491.6	11092.5	10647.1	10156.3	9573.4	8960.3	8373.1	7727.4	7088.0	6452.3
-55°	10500.9	10169.0	9836.1	9464.2	9058.8	8558.9	8034.3	7508.8	6978.3	6393.2	5842.1
-57.5°	9261.3	8953.0	8674.8	8364.5	8023.1	7607.4	7162.6	6700.8	6246.2	5741.6	5240.1
-60°	8125.8	7832.5	7598.3	7340.5	7059.6	6714.7	6336.2	5938.6	5522.6	5109.4	4685.2
-62.5°	7049.7	6793.4	6596.1	6390.1	6164.3	5896.2	5556.6	5219.8	4868.1	4501.5	4156.0
-65°	6076.3	5858.3	5680.5	5518.2	5339.5	5140.2	4842.9	4549.4	4258.0	3958.0	3649.3
-67.5°	5202.7	5017.8	4865.6	4726.6	4584.6	4427.5	4192.2	3936.2	3689.2	3444.1	3183.4
-70°	4413.6	4262.1	4131.6	4015.6	3894.8	3767.4	3586.1	3377.0	3163.2	2954.2	2736.4
-72.5°	3697.1	3573.5	3461.7	3368.0	3264.1	3158.9	3020.6	2848.8	2671.6	2489.3	2307.2
-75°	3032.4	2932.3	2838.2	2765.0	2685.2	2599.0	2493.1	2353.3	2211.6	2068.6	1922.9
-77.5°	2414.8	2337.8	2263.2	2209.4	2149.9	2085.0	2003.9	1893.0	1788.8	1682.4	1573.8
-80°	1862.2	1805.7	1750.0	1715.7	1678.5	1638.6	1589.5	1504.6	1417.7	1333.5	1253.1
-82.5°	1390.9	1352.1	1313.3	1295.4	1274.5	1250.8	1220.9	1159.4	1096.9	1033.7	970.1
-85°	1026.2	999.5	972.4	961.9	949.9	936.4	920.3	880.0	839.0	797.3	755.0
-87.5°	786.2	766.2	746.2	738.5	730.5	722.3	713.6	686.5	659.4	632.2	604.9
-90°	5.8	6.2	6.6	7.0	7.5	7.9	8.3	8.7	9.2	9.6	10.0



REPORT NUMBER: P1305640 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	503.7	479.6	455.6	431.5	407.0	382.6	358.1	333.6	305.8	278.0	250.2
87.5°	18.2	19.3	20.3	21.1	20.7	20.3	19.9	19.3	20.1	20.7	21.0
85°	38.6	36.4	34.6	33.3	31.5	29.0	28.1	27.1	28.3	28.9	29.1
82.5°	70.0	63.8	58.1	53.5	52.1	49.8	46.7	42.9	40.7	37.9	37.3
80°	93.7	85.8	78.3	72.2	71.4	70.8	67.5	63.4	60.1	55.9	50.9
77.5°	118.9	108.0	97.1	89.2	86.7	84.6	82.7	82.0	79.4	73.8	67.3
75°	145.2	132.4	119.7	110.9	105.9	98.1	94.7	95.1	97.8	92.2	83.6
72.5°	172.3	158.8	143.8	135.2	132.5	125.5	114.1	109.7	116.9	114.4	102.1
70°	196.5	185.5	170.9	167.1	163.7	154.5	143.9	140.9	137.8	137.6	126.7
67.5°	218.7	208.8	196.1	201.3	200.9	192.5	176.1	177.7	176.6	162.4	152.2
65°	225.6	226.3	223.5	237.5	240.6	233.1	217.5	220.0	217.0	203.0	178.5
62.5°	232.7	239.1	250.2	275.9	283.8	277.9	263.9	272.9	261.8	245.0	215.1
60°	240.7	252.7	283.3	315.7	329.8	326.0	322.9	329.3	318.4	288.3	256.3
57.5°	267.1	272.4	327.0	364.3	380.2	378.4	389.0	395.1	377.6	342.9	299.1
55°	310.4	331.1	392.1	426.4	440.8	436.2	465.3	468.8	442.0	401.9	344.8
52.5°	395.5	442.9	495.5	514.0	516.3	517.2	556.8	547.9	518.5	462.8	402.5
50°	586.2	627.9	655.8	644.8	610.2	639.9	659.7	647.4	599.0	529.4	462.7
47.5°	988.6	971.4	899.7	821.5	758.8	784.6	796.2	757.3	683.7	607.1	524.2
45°	1608.5	1465.3	1272.5	1104.9	972.0	986.6	957.0	876.1	793.0	691.1	587.0
42.5°	2282.6	2066.6	1821.2	1425.9	1300.4	1221.8	1135.6	1035.8	908.9	777.8	658.0
40°	3074.0	2702.1	2418.1	1992.0	1650.4	1478.8	1365.3	1213.4	1030.2	872.3	735.2
37.5°	3822.1	3366.8	3011.0	2526.1	2036.4	1804.0	1614.4	1403.4	1160.1	977.9	813.4
35°	4513.5	4012.4	3516.7	3007.9	2496.3	2130.2	1877.8	1615.5	1311.3	1082.5	892.5
32.5°	5189.8	4607.5	4031.8	3462.2	2919.0	2456.9	2164.4	1802.2	1456.4	1186.0	972.1
30°	5885.3	5205.9	4544.5	3901.8	3312.6	2820.8	2422.9	1977.3	1595.1	1287.9	1053.6
27.5°	6583.5	5796.3	5058.8	4354.6	3703.3	3154.1	2620.5	2140.5	1727.1	1394.5	1138.5
25°	7299.2	6418.7	5589.5	4807.2	4078.0	3410.5	2810.0	2292.5	1861.9	1506.8	1221.2
22.5°	8026.8	7049.9	6106.1	5248.3	4389.2	3668.9	3008.6	2452.2	1991.9	1613.0	1301.4
20°	8711.6	7671.6	6589.5	5602.3	4696.4	3936.3	3219.8	2602.9	2111.7	1713.0	1378.7
17.5°	9371.9	8230.9	7018.8	5948.9	4994.1	4182.1	3425.7	2743.9	2221.4	1806.6	1452.9
15°	10055.3	8720.9	7434.2	6267.6	5265.6	4406.1	3624.1	2874.7	2321.1	1893.7	1515.2
12.5°	10667.0	9197.1	7822.0	6557.0	5510.4	4608.3	3812.7	2994.7	2410.8	1970.4	1563.8
10°	11211.5	9651.1	8177.8	6815.5	5727.9	4788.9	3989.0	3117.0	2516.3	2039.3	1609.1
7.5°	11688.0	10074.2	8496.6	7041.7	5919.7	4938.8	4122.7	3256.3	2620.7	2103.2	1650.3
5°	12079.9	10424.3	8803.0	7303.0	6097.1	5060.6	4225.0	3383.7	2719.2	2161.3	1686.9
2.5°	12335.6	10662.8	9077.3	7545.7	6249.1	5163.5	4302.8	3498.4	2809.9	2212.8	1718.4
0°	12524.4	10838.3	9299.9	7753.3	6372.6	5245.7	4359.6	3599.5	2890.9	2256.9	1744.2
-2.5°	12767.6	11010.2	9438.8	7917.8	6545.3	5391.6	4456.0	3663.4	2947.7	2312.0	1787.0
-5°	12935.1	11122.7	9529.4	8041.5	6684.9	5511.6	4533.1	3712.7	2993.2	2358.5	1823.2
-7.5°	13052.2	11213.6	9589.8	8123.6	6789.8	5602.4	4589.0	3747.2	3027.5	2396.0	1852.4
-10°	13097.2	11262.5	9622.4	8147.9	6822.8	5645.3	4622.0	3766.8	3050.8	2424.2	1874.3
-12.5°	13061.6	11239.2	9597.4	8128.1	6812.6	5644.4	4634.5	3782.2	3063.9	2442.8	1888.4
-15°	12944.7	11140.7	9512.9	8063.6	6765.2	5615.5	4626.3	3785.9	3069.3	2449.2	1894.6
-17.5°	12736.4	10965.0	9367.5	7954.0	6680.0	5558.5	4597.3	3771.9	3061.3	2442.1	1890.2
-20°	12442.0	10734.3	9169.2	7799.4	6556.8	5473.3	4547.6	3739.7	3039.4	2424.2	1876.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	12090.5	10472.1	8978.8	7625.1	6412.8	5360.2	4477.3	3689.0	3003.5	2395.3	1854.9
-25°	11679.0	10165.0	8738.2	7435.3	6262.2	5260.2	4396.5	3619.7	2953.4	2355.2	1826.0
-27.5°	11271.2	9823.6	8443.0	7207.8	6101.7	5138.8	4304.3	3551.7	2892.7	2303.7	1789.7
-30°	10844.0	9452.0	8144.0	6958.7	5909.4	5000.8	4190.4	3467.6	2825.8	2249.6	1745.9
-32.5°	10345.4	9022.0	7818.5	6717.0	5717.6	4834.0	4055.3	3366.6	2745.2	2191.7	1704.2
-35°	9797.9	8589.3	7461.4	6441.6	5503.9	4664.8	3910.7	3248.9	2651.0	2125.4	1659.0
-37.5°	9215.9	8128.9	7126.8	6150.0	5254.4	4471.2	3765.3	3126.8	2543.3	2050.7	1607.5
-40°	8674.0	7655.3	6725.6	5841.1	5006.0	4253.8	3601.6	2998.2	2442.5	1967.8	1550.0
-42.5°	8094.9	7180.9	6315.8	5488.0	4742.9	4053.3	3423.3	2857.4	2342.5	1889.2	1486.6
-45°	7540.1	6687.1	5887.0	5155.4	4462.8	3834.2	3254.1	2708.5	2230.6	1809.5	1421.7
-47.5°	6962.5	6195.5	5471.3	4799.1	4198.8	3606.8	3072.3	2568.1	2106.9	1723.2	1356.7
-50°	6404.0	5708.2	5058.3	4461.2	3903.3	3393.2	2882.9	2413.6	1996.0	1626.6	1285.4
-52.5°	5840.9	5234.6	4657.5	4117.4	3629.0	3166.9	2693.0	2248.9	1875.5	1528.9	1207.8
-55°	5292.1	4778.8	4261.7	3788.1	3346.9	2927.7	2487.9	2100.5	1745.7	1427.0	1126.1
-57.5°	4779.9	4324.1	3884.0	3460.1	3057.1	2669.0	2294.0	1941.9	1617.0	1318.4	1053.3
-60°	4274.4	3896.7	3506.8	3127.5	2759.0	2420.1	2102.7	1778.5	1483.5	1207.4	973.6
-62.5°	3809.8	3468.9	3133.0	2787.8	2475.1	2185.3	1904.4	1617.0	1342.8	1106.8	888.7
-65°	3357.0	3057.2	2753.8	2476.3	2205.3	1948.3	1708.7	1447.7	1214.7	1001.3	805.9
-67.5°	2914.8	2665.5	2417.8	2169.5	1943.7	1723.8	1504.3	1291.2	1086.0	891.2	734.7
-70°	2514.4	2293.0	2089.8	1892.3	1693.0	1498.3	1321.7	1137.0	952.3	802.8	660.9
-72.5°	2133.0	1960.1	1789.0	1617.2	1457.7	1298.6	1140.2	985.2	845.8	712.2	584.5
-75°	1774.9	1641.1	1510.3	1376.2	1235.5	1097.2	978.3	859.9	737.0	618.9	520.2
-77.5°	1463.4	1353.3	1243.6	1141.6	1034.8	931.2	830.9	731.4	631.9	543.2	459.1
-80°	1173.3	1093.4	1013.6	932.6	846.0	762.6	692.2	621.3	542.9	467.9	396.5
-82.5°	907.8	853.4	800.8	747.0	688.4	630.3	573.0	515.7	452.0	391.0	344.0
-85°	713.7	671.9	629.5	586.5	541.4	496.8	464.0	430.6	391.1	352.0	313.3
-87.5°	578.3	551.4	524.2	496.9	468.5	440.0	411.3	382.4	348.7	315.2	281.9
-90°	10.4	10.8	11.2	11.6	11.6	11.6	11.6	11.6	12.0	12.5	12.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	222.4	184.2	146.1	107.9	69.7	40.7	11.6
87.5°	21.0	20.4	19.5	18.3	16.9	14.8	11.6
85°	28.7	27.5	25.7	23.4	20.5	17.1	11.6
82.5°	36.5	34.6	31.9	28.4	24.2	19.4	11.6
80°	45.1	41.7	38.1	33.4	27.8	21.7	11.6
77.5°	60.1	51.6	44.2	38.4	31.4	24.0	11.6
75°	75.4	67.0	51.9	43.4	35.1	26.3	11.6
72.5°	91.0	82.5	66.3	48.4	38.8	28.5	11.6
70°	108.4	98.3	80.8	54.7	42.5	30.8	11.6
67.5°	134.9	114.3	95.4	67.0	46.2	33.0	11.6
65°	162.2	135.4	110.1	79.2	50.0	35.3	11.6
62.5°	190.2	161.4	124.9	91.3	53.8	37.5	11.6
60°	219.0	187.9	139.8	103.5	57.6	39.7	11.6
57.5°	258.6	214.7	162.5	115.6	66.4	41.8	11.6
55°	300.4	242.0	185.7	127.6	75.2	43.9	11.6
52.5°	342.9	271.2	209.0	139.6	83.8	46.1	11.6
50°	386.1	308.5	232.3	151.5	92.3	48.1	11.6
47.5°	431.5	345.9	255.6	164.8	100.6	50.2	11.6
45°	485.8	383.5	278.9	182.4	108.7	52.1	11.6
42.5°	540.5	421.1	302.1	199.7	116.7	54.1	11.6
40°	595.5	458.7	328.5	216.8	124.4	56.0	11.6
37.5°	650.7	496.3	357.8	233.5	131.9	57.8	11.6
35°	705.9	538.3	386.5	249.6	139.2	59.6	11.6
32.5°	763.9	582.1	414.7	265.2	146.2	61.4	11.6
30°	828.5	625.1	442.2	280.1	152.9	63.0	11.6
27.5°	892.3	667.3	467.3	294.4	159.4	64.6	11.6
25°	955.0	708.4	491.0	308.0	165.5	66.1	11.6
22.5°	1016.5	746.4	513.5	320.8	171.3	67.6	11.6
20°	1076.2	777.9	534.6	332.8	176.7	69.0	11.6
17.5°	1123.1	807.1	554.3	344.0	181.8	70.2	11.6
15°	1159.5	833.8	572.5	354.4	186.5	71.4	11.6
12.5°	1191.7	858.0	589.2	363.9	190.8	72.5	11.6
10°	1219.7	879.6	604.3	372.4	194.7	73.5	11.6
7.5°	1243.4	898.6	617.7	380.0	198.2	74.4	11.6
5°	1262.9	914.9	629.4	386.6	201.2	75.1	11.6
2.5°	1278.2	928.5	639.2	392.1	203.7	75.8	11.6
0°	1289.4	939.3	647.2	396.6	205.8	76.3	11.6
-2.5°	1320.4	956.8	657.8	402.6	209.0	77.8	11.6
-5°	1346.9	971.3	666.3	407.5	211.6	79.2	11.6
-7.5°	1368.5	982.7	672.8	411.2	213.8	80.4	11.6
-10°	1384.7	990.8	677.1	413.7	215.4	81.5	11.6
-12.5°	1395.3	995.4	679.2	415.0	216.5	82.5	11.6
-15°	1399.8	996.5	679.0	415.0	217.1	83.3	11.6
-17.5°	1397.9	993.9	676.4	413.8	217.1	84.0	11.6
-20°	1390.2	987.6	671.4	411.2	216.6	84.5	11.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1378.0	977.4	663.9	407.4	215.6	84.8	11.6
-25°	1360.3	967.3	654.0	402.3	214.0	85.1	11.6
-27.5°	1337.3	954.9	641.6	395.8	211.9	85.1	11.6
-30°	1308.9	938.4	627.2	388.0	209.2	85.0	11.6
-32.5°	1275.2	917.6	614.0	378.9	206.0	84.8	11.6
-35°	1243.7	892.7	598.1	368.5	202.3	84.4	11.6
-37.5°	1210.1	866.0	579.6	356.8	198.1	83.8	11.6
-40°	1171.0	840.2	558.5	343.8	193.3	83.1	11.6
-42.5°	1126.5	810.9	538.9	330.3	188.1	82.2	11.6
-45°	1076.6	778.1	521.3	317.1	182.3	81.2	11.6
-47.5°	1021.7	741.9	501.6	302.4	176.1	80.0	11.6
-50°	971.7	702.4	479.8	292.1	169.4	78.7	11.6
-52.5°	919.2	659.6	456.1	282.5	162.2	77.2	11.6
-55°	862.6	624.3	430.4	271.8	154.6	75.6	11.6
-57.5°	802.0	588.6	402.9	260.1	146.5	73.9	11.6
-60°	739.7	550.4	374.2	247.4	138.1	72.0	11.6
-62.5°	688.8	509.8	354.3	233.7	133.7	70.0	11.6
-65°	635.0	467.1	333.0	219.2	129.1	67.8	11.6
-67.5°	578.5	429.2	310.4	203.8	124.2	65.5	11.6
-70°	519.5	396.6	286.6	187.7	119.0	63.2	11.6
-72.5°	472.7	362.4	261.7	177.6	113.5	60.7	11.6
-75°	426.0	326.7	235.7	168.8	107.8	58.1	11.6
-77.5°	377.6	289.7	219.9	159.4	101.9	55.4	11.6
-80°	327.7	264.3	206.0	149.8	95.8	52.6	11.6
-82.5°	300.0	245.1	191.7	139.7	89.5	49.7	11.6
-85°	274.7	225.3	176.8	129.4	83.1	46.8	11.6
-87.5°	248.8	205.0	161.6	118.8	76.4	43.7	11.6
-90°	13.3	13.3	13.3	13.3	13.3	12.5	11.6

(END OF REPORT)