

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: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-7F-VHE**

Issue Date: 11/16/2023

**Test Information**

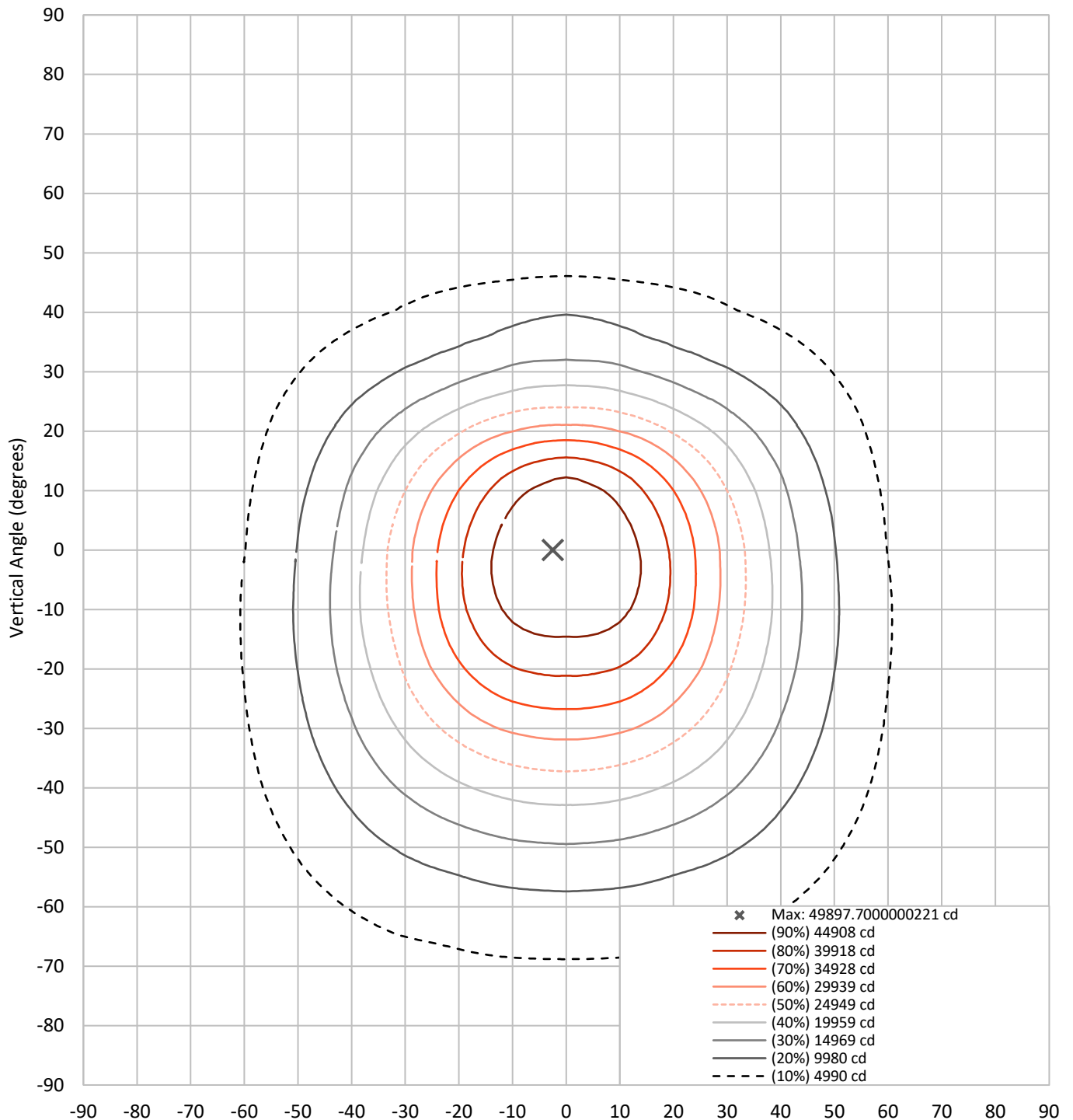
Test Method: LM-79-08  
Report Number: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-80-7F-VHE  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 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:	66382.3 lumens	Max Intensity:	49897.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	118.6 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:	36042.4 lumens	Field Lumens:	62206.3 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	559.9		
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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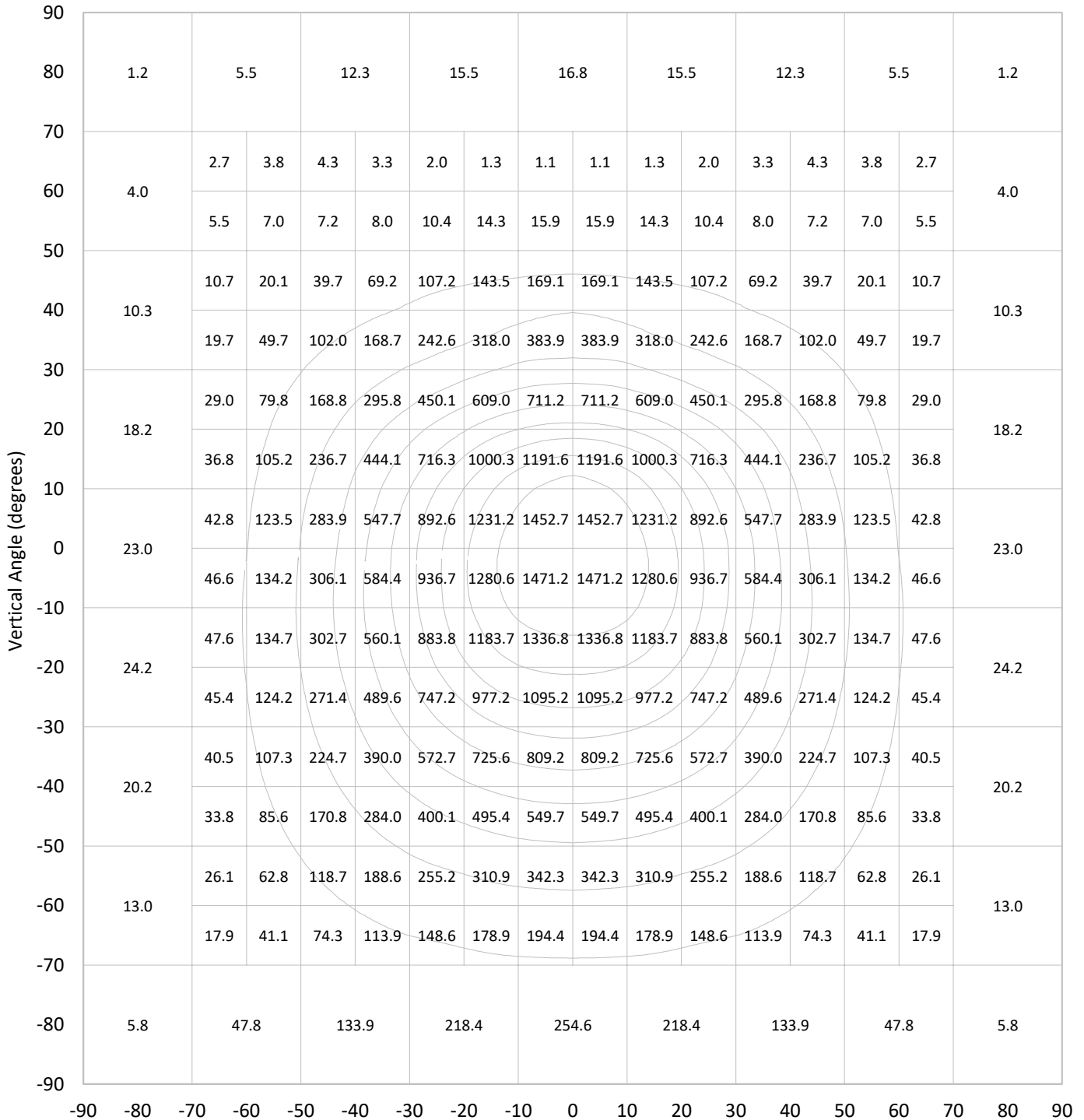
### Iso-Candela Plot





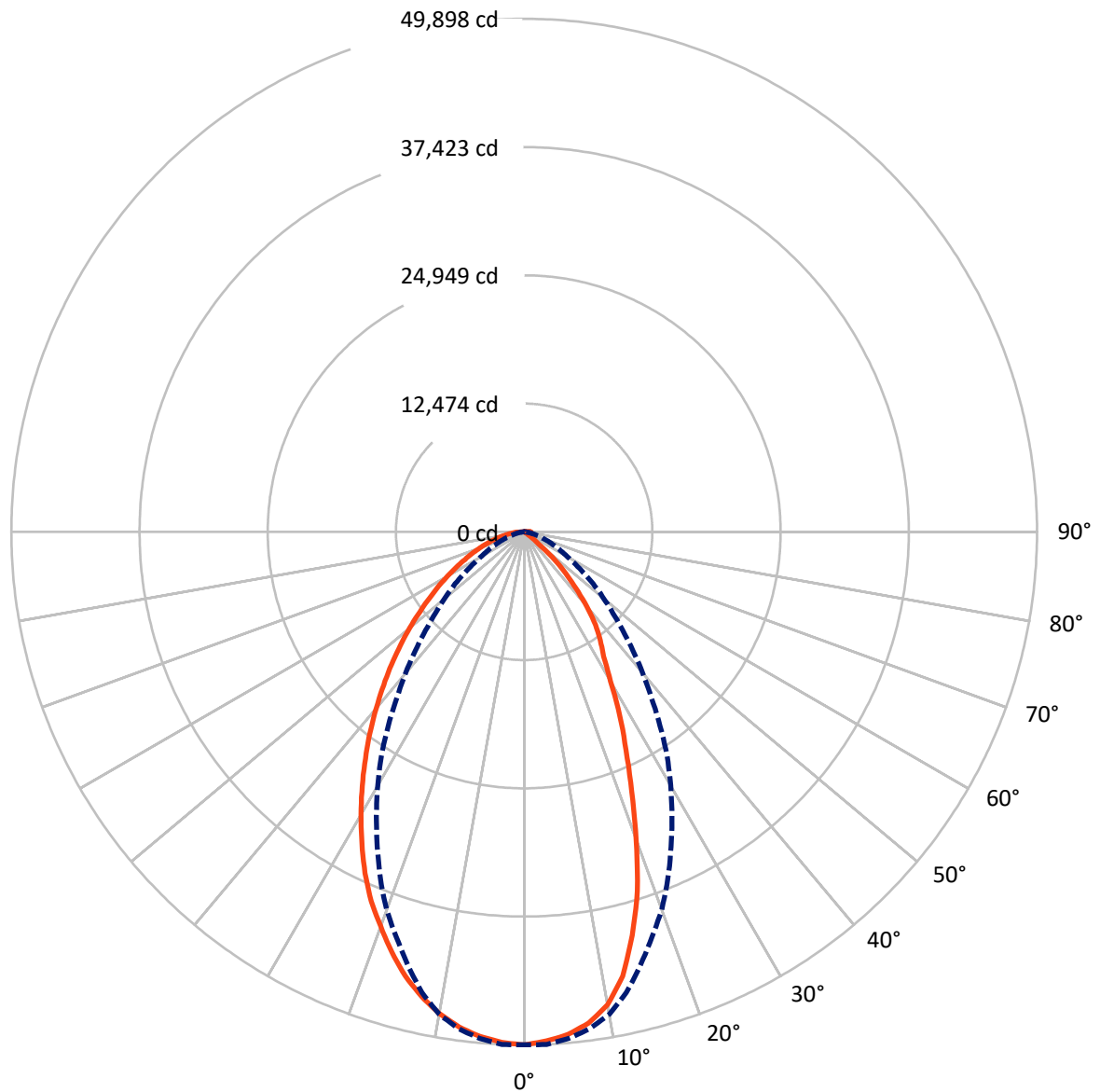
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### Lumen Table



REPORT NUMBER: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-VHE

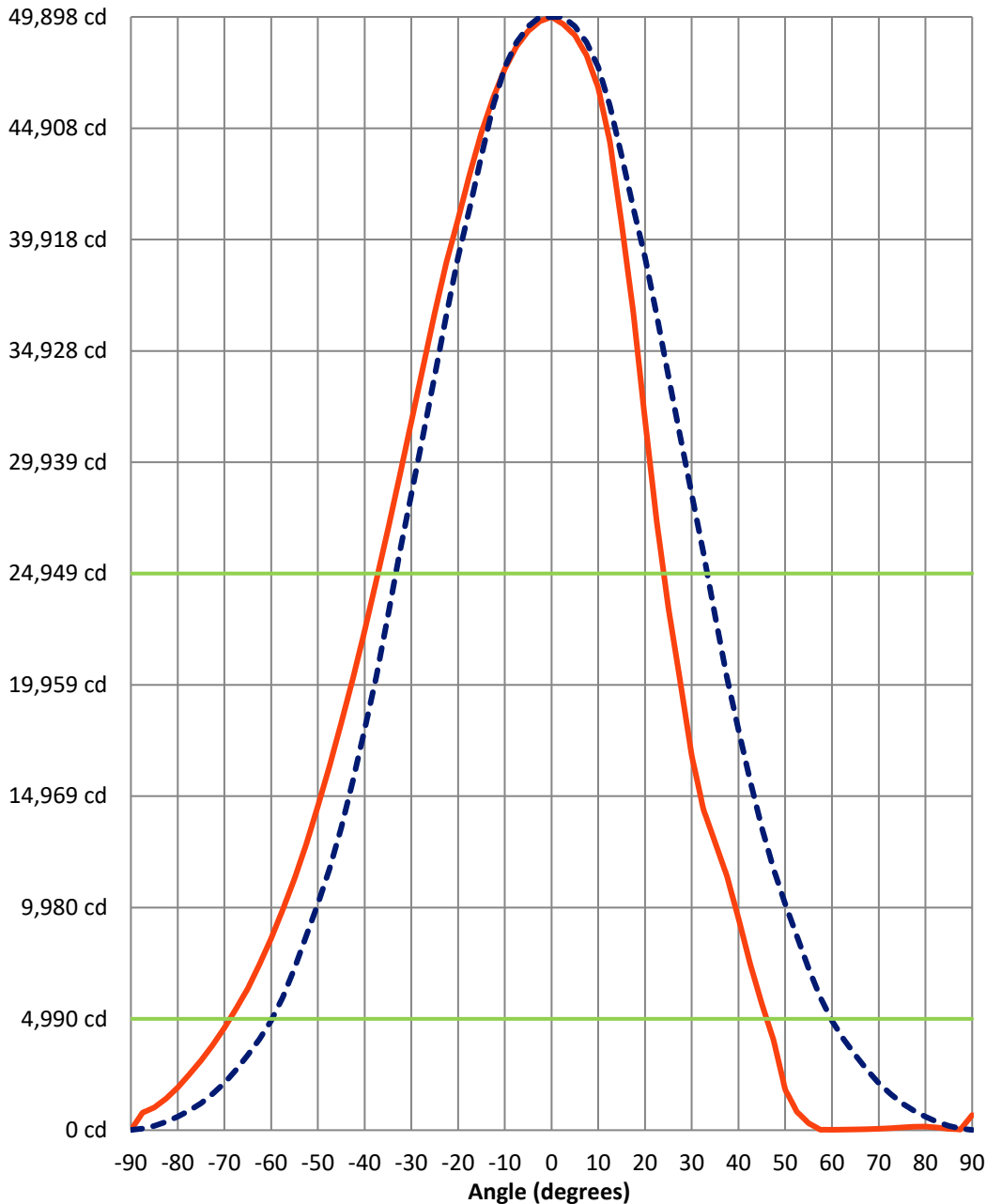
### Luminous Intensity Polar Plot



— 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: 36042.4  
 Efficiency: 54.3%

**Field:**  
 H Angle: 119.6°  
 V Angle: 114.9°  
 Lumens: 62206.3  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 4176.1  
 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°	10.9	38.1	65.2	100.9	136.6	172.3	208.0	234.0	260.0	286.0	312.0
87.5°	10.9	13.8	15.8	17.1	18.2	19.0	19.6	19.6	19.4	18.8	18.1
85°	10.9	16.0	19.2	21.8	24.0	25.7	26.9	27.2	27.1	26.5	25.3
82.5°	10.9	18.1	22.6	26.5	29.8	32.4	34.2	34.9	35.5	38.1	40.1
80°	10.9	20.3	25.9	31.2	35.6	39.0	42.3	47.6	52.3	56.1	59.2
77.5°	10.9	22.4	29.4	35.9	41.4	48.3	56.2	62.9	69.0	74.2	76.6
75°	10.9	24.6	32.8	40.6	48.6	62.7	70.5	78.2	86.2	91.4	88.9
72.5°	10.9	26.7	36.2	45.2	62.0	77.2	85.1	95.4	106.9	109.3	102.6
70°	10.9	28.8	39.7	51.1	75.6	91.9	101.3	118.5	128.7	128.8	131.7
67.5°	10.9	30.9	43.2	62.6	89.2	106.9	126.1	142.3	151.9	165.1	166.2
65°	10.9	33.0	46.7	74.0	103.0	126.6	151.6	167.0	189.9	203.0	205.7
62.5°	10.9	35.1	50.3	85.4	116.8	150.9	177.8	201.1	229.1	244.8	255.2
60°	10.9	37.1	53.9	96.8	130.7	175.7	204.8	239.7	269.6	297.7	307.9
57.5°	10.9	39.1	62.1	108.1	152.0	200.8	241.9	279.7	320.7	353.1	369.5
55°	10.9	41.1	70.3	119.4	173.7	226.3	280.9	322.5	375.8	413.4	438.4
52.5°	10.9	43.1	78.4	130.6	195.5	253.7	320.7	376.4	432.8	484.9	512.5
50°	10.9	45.0	86.3	141.7	217.3	288.5	361.1	432.7	495.1	560.3	605.6
47.5°	10.9	46.9	94.1	154.1	239.1	323.5	403.6	490.2	567.7	639.5	708.3
45°	10.9	48.8	101.7	170.6	260.9	358.6	454.4	548.9	646.3	741.6	819.4
42.5°	10.9	50.6	109.1	186.8	282.6	393.8	505.5	615.3	727.5	850.0	968.7
40°	10.9	52.4	116.4	202.8	307.3	429.0	556.9	687.5	815.9	963.5	1134.8
37.5°	10.9	54.1	123.4	218.4	334.6	464.1	608.5	760.7	914.6	1084.9	1312.6
35°	10.9	55.8	130.2	233.5	361.5	503.4	660.1	834.7	1012.4	1226.4	1510.9
32.5°	10.9	57.4	136.8	248.1	387.9	544.4	714.4	909.2	1109.2	1362.1	1685.5
30°	10.9	59.0	143.0	262.0	413.6	584.6	774.8	985.4	1204.5	1491.8	1849.3
27.5°	10.9	60.5	149.1	275.4	437.0	624.0	834.5	1064.9	1304.2	1615.3	2001.9
25°	10.9	61.9	154.8	288.1	459.2	662.5	893.2	1142.2	1409.2	1741.4	2144.1
22.5°	10.9	63.2	160.2	300.0	480.2	698.0	950.7	1217.1	1508.6	1863.0	2293.4
20°	10.9	64.5	165.3	311.3	500.0	727.5	1006.5	1289.4	1602.1	1975.1	2434.4
17.5°	10.9	65.7	170.1	321.8	518.4	754.8	1050.4	1358.8	1689.7	2077.7	2566.3
15°	10.9	66.8	174.5	331.5	535.5	779.8	1084.5	1417.1	1771.2	2170.9	2688.7
12.5°	10.9	67.8	178.5	340.4	551.1	802.4	1114.6	1462.6	1843.0	2254.8	2800.9
10°	10.9	68.8	182.2	348.4	565.2	822.7	1140.8	1504.9	1907.4	2353.4	2915.3
7.5°	10.9	69.6	185.4	355.5	577.7	840.4	1163.0	1543.4	1967.2	2451.1	3045.6
5°	10.9	70.3	188.2	361.6	588.6	855.7	1181.2	1577.7	2021.5	2543.2	3164.8
2.5°	10.9	70.9	190.6	366.8	597.8	868.4	1195.6	1607.2	2069.6	2628.0	3272.0
0°	10.9	71.4	192.5	371.0	605.3	878.5	1206.0	1631.3	2110.9	2703.8	3366.6
-2.5°	10.9	72.8	195.5	376.6	615.2	894.9	1235.0	1671.4	2162.4	2757.0	3426.4
-5°	10.9	74.1	197.9	381.2	623.2	908.5	1259.8	1705.3	2205.9	2799.5	3472.5
-7.5°	10.9	75.2	199.9	384.6	629.3	919.1	1280.0	1732.6	2241.0	2831.6	3504.8
-10°	10.9	76.3	201.5	387.0	633.3	926.7	1295.2	1753.0	2267.4	2853.4	3523.1
-12.5°	10.9	77.2	202.5	388.2	635.2	931.0	1305.0	1766.3	2284.7	2865.7	3537.5
-15°	10.9	77.9	203.0	388.2	635.0	932.0	1309.2	1772.1	2290.7	2870.7	3541.0
-17.5°	10.9	78.5	203.1	387.0	632.6	929.6	1307.5	1768.0	2284.1	2863.2	3527.8
-20°	10.9	79.0	202.6	384.6	627.9	923.7	1300.3	1754.9	2267.4	2842.8	3497.7



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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°	10.9	79.4	201.6	381.1	621.0	914.1	1288.9	1734.9	2240.4	2809.2	3450.3
-25°	10.9	79.6	200.1	376.2	611.7	904.7	1272.4	1707.9	2202.8	2762.3	3385.5
-27.5°	10.9	79.6	198.2	370.2	600.1	893.1	1250.8	1673.9	2154.7	2705.6	3321.9
-30°	10.9	79.6	195.7	362.9	586.6	877.6	1224.3	1633.0	2104.1	2643.0	3243.3
-32.5°	10.9	79.3	192.7	354.4	574.2	858.2	1192.7	1593.9	2049.9	2567.6	3148.8
-35°	10.9	78.9	189.2	344.6	559.4	834.9	1163.3	1551.6	1987.9	2479.5	3038.8
-37.5°	10.9	78.4	185.2	333.7	542.1	809.9	1131.8	1503.5	1918.0	2378.8	2924.5
-40°	10.9	77.8	180.8	321.5	522.4	785.8	1095.2	1449.8	1840.5	2284.4	2804.2
-42.5°	10.9	76.9	175.9	308.9	504.1	758.4	1053.6	1390.4	1766.9	2190.9	2672.5
-45°	10.9	76.0	170.5	296.5	487.6	727.8	1007.0	1329.7	1692.5	2086.2	2533.2
-47.5°	10.9	74.9	164.7	282.8	469.1	693.9	955.6	1269.0	1611.7	1970.6	2401.9
-50°	10.9	73.6	158.4	273.2	448.8	656.9	908.8	1202.3	1521.4	1866.9	2257.4
-52.5°	10.9	72.3	151.7	264.1	426.5	616.9	859.7	1129.7	1430.1	1754.1	2103.3
-55°	10.9	70.8	144.5	254.1	402.5	583.9	806.8	1053.2	1334.7	1632.8	1964.6
-57.5°	10.9	69.1	137.0	243.2	376.8	550.5	750.1	985.1	1233.1	1512.4	1816.2
-60°	10.9	67.3	129.1	231.3	350.0	514.7	691.8	910.6	1129.3	1387.5	1663.4
-62.5°	10.9	65.5	125.1	218.6	331.4	476.8	644.2	831.2	1035.2	1255.9	1512.3
-65°	10.9	63.4	120.7	205.0	311.5	436.8	593.9	753.7	936.5	1136.1	1354.0
-67.5°	10.9	61.3	116.1	190.6	290.3	401.4	541.1	687.2	833.5	1015.7	1207.6
-70°	10.9	59.1	111.2	175.5	268.0	370.9	485.9	618.1	750.9	890.7	1063.4
-72.5°	10.9	56.8	106.1	166.1	244.7	338.9	442.1	546.7	666.1	791.1	921.4
-75°	10.9	54.3	100.8	157.8	220.4	305.5	398.4	486.5	578.8	689.3	804.3
-77.5°	10.9	51.8	95.3	149.1	205.7	270.9	353.1	429.3	508.1	591.0	684.2
-80°	10.9	49.2	89.6	140.1	192.7	247.2	306.4	370.8	437.6	507.8	581.1
-82.5°	10.9	46.5	83.7	130.7	179.2	229.2	280.5	321.7	365.7	422.8	482.3
-85°	10.9	43.8	77.7	121.0	165.4	210.7	256.9	293.0	329.2	365.8	402.7
-87.5°	10.9	40.9	71.5	111.1	151.1	191.7	232.7	263.7	294.8	326.2	357.7
-90°	10.9	11.7	12.4	12.4	12.4	12.4	12.4	12.0	11.7	11.3	10.9





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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°	334.9	357.8	380.7	403.6	426.1	448.6	471.1	493.6	514.6	535.5	556.5
87.5°	18.6	19.0	19.4	19.8	19.0	18.1	17.0	15.9	17.2	18.6	20.1
85°	26.3	27.1	29.4	31.2	32.4	34.0	36.1	38.5	43.0	47.6	52.1
82.5°	43.7	46.6	48.7	50.0	54.4	59.7	65.4	70.7	75.8	80.7	85.4
80°	63.1	66.2	66.8	67.5	73.2	80.2	87.7	95.4	101.6	107.3	112.7
77.5°	77.3	79.1	81.1	83.4	90.8	101.0	111.2	121.5	129.1	135.2	140.7
75°	88.5	91.7	99.1	103.7	111.9	123.8	135.8	147.3	154.9	159.1	161.9
72.5°	106.7	117.4	123.9	126.4	134.4	148.5	161.1	172.3	178.2	177.4	173.7
70°	134.6	144.5	153.1	156.3	159.8	173.5	183.8	191.8	195.4	188.3	174.4
67.5°	164.7	180.0	187.8	188.3	183.4	195.3	204.5	203.3	197.2	181.8	163.5
65°	203.4	218.0	225.0	222.2	209.0	211.7	211.1	205.6	191.4	170.3	148.3
62.5°	246.8	259.9	265.4	258.1	234.0	223.7	217.7	203.5	181.9	161.2	140.5
60°	302.0	304.9	308.5	295.2	264.9	236.4	225.1	211.0	187.8	159.5	142.4
57.5°	363.9	353.9	355.6	340.8	305.9	254.8	249.8	231.7	212.2	174.8	157.3
55°	435.2	408.0	412.3	398.8	366.8	309.7	290.3	287.7	260.3	230.9	198.5
52.5°	520.8	483.8	482.9	480.8	463.4	414.2	369.8	400.7	418.0	385.2	406.1
50°	617.0	598.5	570.8	603.1	613.3	587.2	548.2	634.4	738.3	785.8	784.6
47.5°	744.7	733.8	709.8	768.3	841.5	908.5	924.6	1080.4	1237.7	1411.5	1432.2
45°	895.1	922.8	909.1	1033.4	1190.1	1370.5	1504.4	1655.5	2013.5	2221.1	2528.8
42.5°	1062.1	1142.7	1216.3	1333.7	1703.3	1932.9	2134.9	2514.0	2870.2	3171.3	3489.2
40°	1276.9	1383.1	1543.6	1863.1	2261.6	2527.3	2875.1	3307.1	3667.8	4007.8	4333.3
37.5°	1509.9	1687.2	1904.6	2362.6	2816.1	3148.9	3574.7	4003.3	4413.3	4794.9	5249.9
35°	1756.2	1992.3	2334.8	2813.3	3289.1	3752.7	4221.3	4698.7	5166.7	5689.5	6201.1
32.5°	2024.2	2297.8	2730.0	3238.2	3770.8	4309.3	4853.9	5411.2	6006.0	6615.5	7158.3
30°	2266.1	2638.2	3098.2	3649.3	4250.4	4869.0	5504.4	6145.8	6876.0	7597.5	8248.7
27.5°	2450.9	2949.9	3463.6	4072.8	4731.4	5421.2	6157.5	6952.2	7802.3	8629.3	9402.5
25°	2628.1	3189.8	3814.1	4496.1	5227.7	6003.3	6826.9	7716.6	8759.9	9728.9	10693.3
22.5°	2813.8	3431.5	4105.1	4908.6	5710.9	6593.7	7507.4	8531.3	9684.3	10829.9	12001.9
20°	3011.4	3681.6	4392.5	5239.7	6163.1	7175.2	8147.9	9339.6	10622.2	11953.5	13383.0
17.5°	3204.0	3911.5	4670.9	5563.9	6564.6	7698.3	8765.4	10122.0	11543.3	13066.0	14682.9
15°	3389.5	4121.0	4924.8	5862.0	6953.1	8156.6	9404.6	10891.1	12480.7	14161.7	15859.6
12.5°	3565.9	4310.1	5153.8	6132.6	7315.9	8601.9	9976.8	11540.1	13281.2	15139.2	16990.0
10°	3730.9	4478.9	5357.2	6374.4	7648.5	9026.6	10486.0	12120.3	13930.5	15844.9	17909.1
7.5°	3855.9	4619.1	5536.6	6586.1	7946.8	9422.3	10931.7	12628.7	14479.3	16473.1	18692.3
5°	3951.6	4733.1	5702.5	6830.4	8233.3	9749.7	11298.3	13062.1	14929.1	17013.7	19368.3
2.5°	4024.3	4829.3	5844.6	7057.4	8489.9	9972.8	11537.4	13346.6	15333.8	17518.5	19917.8
0°	4077.4	4906.3	5960.2	7251.5	8698.1	10136.9	11713.9	13553.2	15662.5	17945.7	20323.5
-2.5°	4167.6	5042.7	6121.8	7405.4	8828.1	10297.6	11941.3	13840.9	15974.3	18215.1	20673.4
-5°	4239.8	5154.9	6252.3	7521.1	8912.7	10402.8	12098.1	14040.9	16178.5	18396.6	20854.0
-7.5°	4292.0	5239.9	6350.4	7597.9	8969.2	10487.9	12207.6	14140.5	16254.8	18505.0	20882.3
-10°	4323.0	5280.0	6381.3	7620.7	8999.7	10533.7	12249.6	14155.1	16232.0	18479.5	20804.9
-12.5°	4334.6	5279.1	6371.8	7602.1	8976.3	10511.8	12216.3	14086.0	16112.3	18315.3	20607.7
-15°	4326.9	5252.1	6327.4	7541.8	8897.3	10419.7	12106.9	13934.9	15890.2	17980.8	20208.6
-17.5°	4299.8	5198.7	6247.7	7439.3	8761.4	10255.4	11912.1	13655.6	15571.0	17594.5	19701.6
-20°	4253.3	5119.1	6132.5	7294.6	8575.8	10039.6	11636.8	13324.6	15164.5	17133.6	19133.5



REPORT NUMBER: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-VHE

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4187.5	5013.3	5997.8	7131.6	8397.8	9794.4	11308.1	12926.3	14646.6	16583.6	18489.5
-25°	4111.9	4919.8	5856.9	6954.2	8172.8	9507.2	10923.2	12470.5	14094.1	15907.0	17751.9
-27.5°	4025.7	4806.2	5706.8	6741.4	7896.6	9187.9	10541.8	11994.3	13531.6	15161.7	16930.7
-30°	3919.2	4677.1	5527.0	6508.4	7616.9	8840.4	10142.2	11455.2	12911.5	14448.3	16069.8
-32.5°	3792.9	4521.2	5347.6	6282.3	7312.5	8438.1	9675.9	10924.4	12268.1	13690.4	15193.2
-35°	3657.7	4362.9	5147.7	6024.7	6978.5	8033.4	9163.9	10351.5	11587.2	12923.8	14245.7
-37.5°	3521.6	4181.9	4914.3	5752.0	6665.6	7602.8	8619.5	9749.3	10907.3	12089.1	13303.0
-40°	3368.6	3978.6	4682.0	5463.0	6290.3	7159.9	8112.6	9121.1	10197.7	11263.8	12351.9
-42.5°	3201.8	3791.1	4436.0	5132.8	5907.0	6716.2	7571.0	8514.8	9453.1	10421.4	11426.1
-45°	3043.6	3586.1	4174.1	4821.8	5506.0	6254.3	7052.2	7877.0	8721.7	9577.4	10492.1
-47.5°	2873.5	3373.4	3927.1	4488.5	5117.3	5794.5	6511.9	7254.2	7985.9	8770.5	9552.2
-50°	2696.4	3173.7	3650.7	4172.6	4731.0	5338.8	5989.5	6629.6	7298.6	7978.0	8682.7
-52.5°	2518.7	2962.0	3394.2	3851.0	4356.1	4895.9	5462.9	6034.7	6629.3	7227.3	7831.3
-55°	2326.9	2738.3	3130.4	3543.0	3985.9	4469.6	4949.6	5464.1	5979.4	6526.7	7022.9
-57.5°	2145.5	2496.2	2859.3	3236.2	3632.6	4044.3	4470.6	4901.1	5370.1	5842.0	6267.1
-60°	1966.7	2263.4	2580.5	2925.1	3279.9	3644.5	3997.8	4382.0	4778.8	5165.2	5554.3
-62.5°	1781.1	2043.9	2315.0	2607.4	2930.3	3244.4	3563.3	3887.0	4210.2	4553.1	4882.0
-65°	1598.1	1822.2	2062.6	2316.0	2575.6	2859.4	3139.8	3413.2	3701.9	3982.5	4254.9
-67.5°	1407.0	1612.2	1817.9	2029.1	2261.3	2493.0	2726.2	2977.4	3221.2	3450.5	3681.5
-70°	1236.1	1401.4	1583.5	1769.8	1954.5	2144.6	2351.7	2559.3	2763.0	2958.5	3158.4
-72.5°	1066.4	1214.6	1363.4	1512.6	1673.3	1833.3	1995.0	2157.9	2328.2	2498.7	2664.4
-75°	915.1	1026.2	1155.5	1287.2	1412.6	1534.9	1660.0	1798.5	1934.7	2068.5	2201.0
-77.5°	777.2	870.9	967.9	1067.7	1163.1	1265.7	1368.7	1471.9	1573.5	1673.0	1770.4
-80°	647.4	713.2	791.3	872.2	948.0	1022.7	1097.4	1172.0	1247.2	1326.0	1407.2
-82.5°	535.9	589.5	643.8	698.6	749.0	798.2	849.0	907.2	966.8	1025.9	1084.4
-85°	433.9	464.6	506.3	548.5	588.7	628.4	667.5	706.0	745.6	784.7	823.1
-87.5°	384.6	411.5	438.2	464.7	490.3	515.7	540.8	565.8	591.2	616.7	642.1
-90°	10.9	10.9	10.9	10.9	10.5	10.1	9.7	9.3	8.9	8.6	8.2



REPORT NUMBER: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-VHE

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	577.4	584.0	590.6	597.2	603.8	619.3	634.9	650.4	665.9	669.4	672.9
87.5°	21.7	21.8	21.8	21.7	21.7	25.2	28.8	32.4	36.2	35.7	35.2
85°	56.4	57.3	57.6	57.7	57.4	62.2	67.0	71.7	76.3	73.2	69.6
82.5°	89.9	91.5	93.0	94.7	96.4	101.3	106.3	110.9	115.2	116.7	118.0
80°	117.7	120.7	123.0	124.8	126.1	130.4	134.9	139.3	143.4	147.8	152.2
77.5°	144.6	145.6	145.1	143.6	141.4	142.0	143.0	143.5	143.6	145.9	148.5
75°	163.3	161.1	154.7	147.3	139.1	134.1	130.3	126.4	122.4	121.7	122.0
72.5°	167.4	158.9	148.4	135.4	122.5	113.6	107.5	101.7	96.2	93.5	91.9
70°	158.5	142.2	128.1	114.1	100.5	90.4	84.4	78.8	73.8	70.6	68.3
67.5°	142.7	122.6	107.8	93.4	80.1	69.6	64.4	59.5	55.1	51.8	49.5
65°	126.8	105.4	91.0	77.2	63.8	53.4	49.4	45.4	41.5	38.6	37.0
62.5°	117.9	95.4	80.6	68.5	56.3	44.3	40.2	36.1	32.0	28.9	27.5
60°	121.0	95.5	77.5	66.3	53.7	39.9	34.7	30.9	26.8	23.0	21.7
57.5°	140.0	112.2	85.1	80.8	68.0	47.7	49.6	57.8	51.6	35.6	33.8
55°	214.1	207.1	135.6	175.5	204.1	192.3	179.6	237.8	266.1	267.6	293.9
52.5°	425.4	475.7	457.0	478.7	596.8	644.6	638.3	742.2	796.1	788.8	816.9
50°	895.8	998.6	1125.2	1145.6	1343.6	1480.9	1514.0	1634.4	1768.0	1819.2	1876.8
47.5°	1748.3	1989.2	2111.4	2249.2	2477.1	2726.8	2920.3	3093.6	3281.3	3409.7	3564.7
45°	2847.9	3018.1	3230.8	3550.9	3898.7	4224.6	4530.7	4809.7	4993.6	5157.7	5331.8
42.5°	3752.6	4024.4	4381.1	4858.6	5353.5	5688.0	5939.8	6208.6	6496.0	6769.3	7021.2
40°	4678.8	4993.8	5559.8	6100.9	6470.2	6793.0	7137.7	7502.5	7878.3	8236.7	8593.1
37.5°	5671.5	6137.1	6632.7	7105.7	7496.4	7801.8	8274.1	8678.2	9054.7	9588.5	10078.1
35°	6727.9	7233.9	7659.8	8200.7	8637.5	9014.2	9508.4	10017.4	10343.3	11075.5	11709.4
32.5°	7778.8	8368.6	8936.4	9450.0	9992.1	10572.9	11054.0	11752.1	12283.3	12983.6	13672.1
30°	8873.9	9682.4	10391.1	10954.7	11693.3	12444.1	13119.1	13941.2	14724.1	15375.8	16105.6
27.5°	10255.7	11154.6	12018.9	12887.5	13676.5	14614.1	15688.5	16558.1	17560.4	18271.1	19034.2
25°	11721.8	12792.6	13942.1	15061.8	16096.8	17309.8	18527.8	19590.4	20629.2	21448.0	22263.6
22.5°	13316.0	14610.8	15978.9	17388.5	18787.7	20116.7	21424.1	22739.0	23936.4	25061.9	25845.9
20°	14934.9	16372.9	18034.3	19732.7	21343.7	22843.8	24414.9	26077.6	27599.2	28903.4	29869.4
17.5°	16395.4	18199.1	20026.5	21889.8	23706.8	25560.6	27510.0	29465.6	31267.1	32794.6	34077.0
15°	17711.1	19754.7	21870.2	23972.5	26062.0	28196.4	30474.2	32581.2	34600.4	36352.3	37851.6
12.5°	19008.6	21191.3	23458.9	25816.2	28293.3	30604.3	32923.4	35195.4	37311.5	39347.8	40849.8
10°	20156.8	22513.6	24941.4	27467.4	30033.0	32540.2	34984.6	37353.1	39432.1	41354.9	43172.0
7.5°	21092.5	23620.1	26211.2	28868.0	31508.5	34047.3	36536.9	38903.7	41014.0	42984.5	44842.6
5°	21899.4	24580.3	27254.5	29902.1	32558.9	35192.2	37705.8	40039.5	42237.6	44285.3	46147.4
2.5°	22558.0	25353.3	28063.0	30670.6	33316.7	36012.1	38589.1	40843.8	43141.4	45224.0	47057.0
0°	23052.2	25873.9	28497.0	31127.9	33806.9	36532.4	39124.4	41333.1	43672.2	45897.9	47641.0
-2.5°	23322.5	25978.6	28589.4	31229.0	33988.7	36792.3	39380.8	41761.4	44087.0	46173.4	47793.9
-5°	23416.4	26029.2	28630.7	31317.8	34053.6	36813.2	39392.8	41779.7	44013.0	45964.5	47442.6
-7.5°	23353.4	25940.5	28515.9	31176.7	33895.1	36621.7	39159.9	41443.1	43593.8	45442.2	46852.5
-10°	23163.1	25668.5	28244.9	30861.8	33586.0	36278.0	38765.4	40825.2	42878.7	44612.8	45946.3
-12.5°	22848.7	25247.5	27788.3	30347.4	33020.2	35607.8	37925.6	39976.6	41811.5	43567.9	44735.2
-15°	22402.6	24715.4	27144.6	29650.4	32182.7	34685.9	36946.0	38928.3	40628.2	42013.8	43243.0
-17.5°	21843.2	24074.7	26402.4	28803.7	31155.1	33536.7	35631.2	37617.7	39252.9	40486.4	41440.2
-20°	21154.5	23320.2	25546.2	27838.7	30023.5	32049.0	34068.1	35915.3	37531.6	38737.7	39654.5



REPORT NUMBER: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-VHE

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20427.6	22470.7	24579.7	26646.9	28636.5	30540.6	32369.2	34064.6	35601.4	36741.8	37619.1
-25°	19600.5	21511.3	23461.3	25328.2	27145.2	28918.1	30575.5	32146.5	33488.1	34597.4	35412.0
-27.5°	18694.8	20473.9	22234.0	23970.2	25656.1	27188.6	28713.7	30131.7	31311.6	32331.8	33053.1
-30°	17705.0	19332.1	20981.5	22609.1	24067.5	25448.0	26803.0	28034.0	29115.4	30011.2	30658.2
-32.5°	16661.1	18147.6	19677.5	21149.2	22428.1	23673.6	24855.1	25934.2	26925.8	27717.4	28300.9
-35°	15581.8	16958.9	18332.9	19605.3	20797.4	21905.3	22923.4	23879.9	24701.4	25422.9	25994.9
-37.5°	14520.2	15760.7	16953.0	18064.1	19165.5	20181.6	21070.9	21910.1	22656.9	23258.7	23760.2
-40°	13479.1	14577.1	15592.3	16581.2	17565.3	18425.5	19233.0	19956.7	20617.7	21192.6	21638.1
-42.5°	12444.1	13389.6	14265.9	15155.9	16006.8	16752.7	17455.8	18082.8	18656.4	19171.6	19603.6
-45°	11405.4	12214.0	12993.9	13776.4	14482.9	15147.3	15758.4	16309.4	16821.8	17255.7	17609.8
-47.5°	10344.5	11061.9	11770.3	12448.3	13034.5	13608.5	14134.7	14629.5	15091.3	15481.5	15794.4
-50°	9331.5	9965.5	10599.9	11160.3	11653.2	12131.2	12576.5	13054.3	13481.7	13837.2	14095.8
-52.5°	8380.4	8953.8	9499.0	9958.1	10374.6	10747.9	11090.0	11533.9	11936.1	12285.3	12514.5
-55°	7514.4	8005.0	8472.5	8851.7	9199.6	9510.9	9821.3	10178.0	10502.8	10793.3	10984.9
-57.5°	6699.1	7115.1	7503.9	7823.2	8113.4	8373.6	8661.9	8960.1	9226.5	9455.7	9610.0
-60°	5926.2	6280.3	6602.8	6865.5	7106.6	7325.7	7600.0	7860.3	8090.5	8277.5	8392.7
-62.5°	5197.1	5514.6	5765.4	5976.6	6169.3	6353.9	6593.6	6818.4	7026.0	7191.9	7288.3
-65°	4529.5	4807.5	4993.9	5161.1	5312.9	5479.2	5683.0	5866.0	6028.1	6151.3	6235.2
-67.5°	3920.9	4140.9	4287.9	4420.7	4550.8	4693.1	4866.1	5025.8	5171.7	5273.2	5335.9
-70°	3354.0	3523.6	3642.8	3755.8	3864.3	3986.3	4128.1	4260.1	4381.9	4460.6	4510.6
-72.5°	2825.1	2954.4	3052.9	3150.1	3237.7	3342.3	3457.9	3566.1	3666.7	3725.9	3763.9
-75°	2331.7	2430.8	2511.5	2586.1	2654.5	2742.5	2836.1	2924.0	3005.9	3051.0	3080.2
-77.5°	1874.2	1950.0	2010.8	2066.4	2116.8	2186.6	2258.6	2326.3	2389.4	2429.6	2461.9
-80°	1486.7	1532.5	1569.8	1604.6	1636.7	1688.8	1741.7	1791.5	1838.2	1864.4	1885.3
-82.5°	1142.0	1169.8	1192.0	1211.5	1228.3	1264.6	1300.9	1335.2	1367.5	1384.5	1398.9
-85°	860.8	875.8	888.4	899.6	909.5	934.8	959.8	983.9	1007.1	1012.0	1015.5
-87.5°	667.4	675.6	683.3	690.8	698.0	716.7	735.4	753.9	772.2	775.4	778.3
-90°	7.8	7.4	7.0	6.6	6.2	5.8	5.5	5.1	4.7	4.3	3.9



REPORT NUMBER: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-7F-VHE

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	676.3	679.8	677.5	675.2	677.5	679.8	676.3	672.9	669.4	665.9	650.4
87.5°	34.6	34.0	34.1	34.1	34.1	34.0	34.6	35.2	35.7	36.2	32.4
85°	65.9	61.9	59.0	55.9	59.0	61.9	65.9	69.6	73.2	76.3	71.7
82.5°	119.3	120.4	120.1	119.5	120.1	120.4	119.3	118.0	116.7	115.2	110.9
80°	156.5	160.7	162.0	163.0	162.0	160.7	156.5	152.2	147.8	143.4	139.3
77.5°	151.1	153.7	154.5	155.2	154.5	153.7	151.1	148.5	145.9	143.6	143.5
75°	122.5	123.2	122.8	122.6	122.8	123.2	122.5	122.0	121.7	122.4	126.4
72.5°	90.5	89.4	88.7	88.5	88.7	89.4	90.5	91.9	93.5	96.2	101.7
70°	66.2	64.5	63.1	62.1	63.1	64.5	66.2	68.3	70.6	73.8	78.8
67.5°	47.5	45.8	44.5	43.5	44.5	45.8	47.5	49.5	51.8	55.1	59.5
65°	35.7	34.6	33.5	32.6	33.5	34.6	35.7	37.0	38.6	41.5	45.4
62.5°	26.3	25.3	24.9	24.8	24.9	25.3	26.3	27.5	28.9	32.0	36.1
60°	20.4	19.1	18.7	18.6	18.7	19.1	20.4	21.7	23.0	26.8	30.9
57.5°	30.5	26.1	23.5	21.7	23.5	26.1	30.5	33.8	35.6	51.6	57.8
55°	307.8	308.7	314.9	321.3	314.9	308.7	307.8	293.9	267.6	266.1	237.8
52.5°	838.4	835.7	828.1	813.3	828.1	835.7	838.4	816.9	788.8	796.1	742.2
50°	1911.4	1884.4	1825.9	1743.0	1825.9	1884.4	1911.4	1876.8	1819.2	1768.0	1634.4
47.5°	3773.3	3929.4	4037.4	4085.2	4037.4	3929.4	3773.3	3564.7	3409.7	3281.3	3093.6
45°	5513.0	5605.6	5659.6	5702.5	5659.6	5605.6	5513.0	5331.8	5157.7	4993.6	4809.7
42.5°	7235.6	7382.3	7454.6	7442.4	7454.6	7382.3	7235.6	7021.2	6769.3	6496.0	6208.6
40°	8935.6	9242.8	9494.9	9676.0	9494.9	9242.8	8935.6	8593.1	8236.7	7878.3	7502.5
37.5°	10562.3	11019.7	11406.0	11686.0	11406.0	11019.7	10562.3	10078.1	9588.5	9054.7	8678.2
35°	12227.9	12631.3	12896.0	13011.5	12896.0	12631.3	12227.9	11709.4	11075.5	10343.3	10017.4
32.5°	14111.1	14335.2	14382.7	14503.1	14382.7	14335.2	14111.1	13672.1	12983.6	12283.3	11752.1
30°	16549.9	16782.9	16788.5	16939.9	16788.5	16782.9	16549.9	16105.6	15375.8	14724.1	13941.2
27.5°	19635.8	20028.1	20155.5	20289.4	20155.5	20028.1	19635.8	19034.2	18271.1	17560.4	16558.1
25°	22940.2	23305.9	23423.1	23378.1	23423.1	23305.9	22940.2	22263.6	21448.0	20629.2	19590.4
22.5°	26649.1	27123.2	27295.8	27208.8	27295.8	27123.2	26649.1	25845.9	25061.9	23936.4	22739.0
20°	30800.2	31484.6	31846.3	32009.5	31846.3	31484.6	30800.2	29869.4	28903.4	27599.2	26077.6
17.5°	35169.6	36178.0	36641.2	36777.6	36641.2	36178.0	35169.6	34077.0	32794.6	31267.1	29465.6
15°	39144.6	40025.0	40625.5	40934.2	40625.5	40025.0	39144.6	37851.6	36352.3	34600.4	32581.2
12.5°	42218.0	43340.3	44275.7	44777.3	44275.7	43340.3	42218.0	40849.8	39347.8	37311.5	35195.4
10°	44723.4	45856.5	46707.1	47119.4	46707.1	45856.5	44723.4	43172.0	41354.9	39432.1	37353.1
7.5°	46456.7	47509.9	48170.1	48440.3	48170.1	47509.9	46456.7	44842.6	42984.5	41014.0	38903.7
5°	47577.1	48584.0	49072.2	49247.4	49072.2	48584.0	47577.1	46147.4	44285.3	42237.6	40039.5
2.5°	48383.8	49180.5	49571.4	49596.6	49571.4	49180.5	48383.8	47057.0	45224.0	43141.4	40843.8
0°	48752.3	49469.4	49897.7	49890.0	49897.7	49469.4	48752.3	47641.0	45897.9	43672.2	41333.1
-2.5°	48770.1	49394.0	49698.4	49526.8	49698.4	49394.0	48770.1	47793.9	46173.4	44087.0	41761.4
-5°	48422.3	49032.9	49261.1	49208.6	49261.1	49032.9	48422.3	47442.6	45964.5	44013.0	41779.7
-7.5°	47797.9	48339.6	48572.4	48580.0	48572.4	48339.6	47797.9	46852.5	45442.2	43593.8	41443.1
-10°	46845.5	47298.2	47564.9	47488.8	47564.9	47298.2	46845.5	45946.3	44612.8	42878.7	40825.2
-12.5°	45585.7	46032.5	46258.7	46213.0	46258.7	46032.5	45585.7	44735.2	43567.9	41811.5	39976.6
-15°	44078.8	44503.4	44715.4	44695.0	44715.4	44503.4	44078.8	43243.0	42013.8	40628.2	38928.3
-17.5°	42213.0	42638.7	42855.7	42885.2	42855.7	42638.7	42213.0	41440.2	40486.4	39252.9	37617.7
-20°	40257.8	40633.3	40832.0	40834.9	40832.0	40633.3	40257.8	39654.5	38737.7	37531.6	35915.3



REPORT NUMBER: P731593 (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°	38231.0	38652.6	38888.5	38852.8	38888.5	38652.6	38231.0	37619.1	36741.8	35601.4	34064.6
-25°	35972.0	36394.4	36623.8	36614.7	36623.8	36394.4	35972.0	35412.0	34597.4	33488.1	32146.5
-27.5°	33560.3	33966.3	34187.7	34215.1	34187.7	33966.3	33560.3	33053.1	32331.8	31311.6	30131.7
-30°	31131.0	31531.3	31748.0	31765.8	31748.0	31531.3	31131.0	30658.2	30011.2	29115.4	28034.0
-32.5°	28750.5	29112.0	29312.2	29333.6	29312.2	29112.0	28750.5	28300.9	27717.4	26925.8	25934.2
-35°	26428.1	26745.7	26925.4	26983.7	26925.4	26745.7	26428.1	25994.9	25422.9	24701.4	23879.9
-37.5°	24167.8	24454.9	24628.5	24734.7	24628.5	24454.9	24167.8	23760.2	23258.7	22656.9	21910.1
-40°	21984.6	22236.1	22374.5	22377.0	22374.5	22236.1	21984.6	21638.1	21192.6	20617.7	19956.7
-42.5°	19923.6	20135.3	20241.1	20242.8	20241.1	20135.3	19923.6	19603.6	19171.6	18656.4	18082.8
-45°	17895.0	18102.2	18248.8	18341.5	18248.8	18102.2	17895.0	17609.8	17255.7	16821.8	16309.4
-47.5°	16033.0	16202.9	16319.3	16382.7	16319.3	16202.9	16033.0	15794.4	15481.5	15091.3	14629.5
-50°	14285.3	14421.0	14520.3	14579.1	14520.3	14421.0	14285.3	14095.8	13837.2	13481.7	13054.3
-52.5°	12670.1	12769.3	12804.9	12781.8	12804.9	12769.3	12670.1	12514.5	12285.3	11936.1	11533.9
-55°	11128.5	11227.3	11266.8	11252.9	11266.8	11227.3	11128.5	10984.9	10793.3	10502.8	10178.0
-57.5°	9731.4	9819.0	9889.1	9932.1	9889.1	9819.0	9731.4	9610.0	9455.7	9226.5	8960.1
-60°	8483.4	8548.2	8592.3	8609.6	8592.3	8548.2	8483.4	8392.7	8277.5	8090.5	7860.3
-62.5°	7356.1	7396.4	7427.7	7440.9	7427.7	7396.4	7356.1	7288.3	7191.9	7026.0	6818.4
-65°	6302.1	6351.3	6345.4	6310.9	6345.4	6351.3	6302.1	6235.2	6151.3	6028.1	5866.0
-67.5°	5383.3	5415.3	5442.8	5457.3	5442.8	5415.3	5383.3	5335.9	5273.2	5171.7	5025.8
-70°	4548.8	4575.0	4584.8	4581.9	4584.8	4575.0	4548.8	4510.6	4460.6	4381.9	4260.1
-72.5°	3792.6	3811.7	3815.5	3808.9	3815.5	3811.7	3792.6	3763.9	3725.9	3666.7	3566.1
-75°	3101.0	3113.7	3120.2	3119.8	3120.2	3113.7	3101.0	3080.2	3051.0	3005.9	2924.0
-77.5°	2488.8	2510.3	2501.2	2485.0	2501.2	2510.3	2488.8	2461.9	2429.6	2389.4	2326.3
-80°	1902.2	1915.4	1908.2	1896.7	1908.2	1915.4	1902.2	1885.3	1864.4	1838.2	1791.5
-82.5°	1411.3	1421.7	1409.9	1395.4	1409.9	1421.7	1411.3	1398.9	1384.5	1367.5	1335.2
-85°	1018.0	1019.5	1018.5	1016.6	1018.5	1019.5	1018.0	1015.5	1012.0	1007.1	983.9
-87.5°	781.0	783.4	781.4	779.2	781.4	783.4	781.0	778.3	775.4	772.2	753.9
-90°	3.5	3.1	3.9	4.7	3.9	3.1	3.5	3.9	4.3	4.7	5.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	634.9	619.3	603.8	597.2	590.6	584.0	577.4	556.5	535.5	514.6	493.6
87.5°	28.8	25.2	21.7	21.7	21.8	21.8	21.7	20.1	18.6	17.2	15.9
85°	67.0	62.2	57.4	57.7	57.6	57.3	56.4	52.1	47.6	43.0	38.5
82.5°	106.3	101.3	96.4	94.7	93.0	91.5	89.9	85.4	80.7	75.8	70.7
80°	134.9	130.4	126.1	124.8	123.0	120.7	117.7	112.7	107.3	101.6	95.4
77.5°	143.0	142.0	141.4	143.6	145.1	145.6	144.6	140.7	135.2	129.1	121.5
75°	130.3	134.1	139.1	147.3	154.7	161.1	163.3	161.9	159.1	154.9	147.3
72.5°	107.5	113.6	122.5	135.4	148.4	158.9	167.4	173.7	177.4	178.2	172.3
70°	84.4	90.4	100.5	114.1	128.1	142.2	158.5	174.4	188.3	195.4	191.8
67.5°	64.4	69.6	80.1	93.4	107.8	122.6	142.7	163.5	181.8	197.2	203.3
65°	49.4	53.4	63.8	77.2	91.0	105.4	126.8	148.3	170.3	191.4	205.6
62.5°	40.2	44.3	56.3	68.5	80.6	95.4	117.9	140.5	161.2	181.9	203.5
60°	34.7	39.9	53.7	66.3	77.5	95.5	121.0	142.4	159.5	187.8	211.0
57.5°	49.6	47.7	68.0	80.8	85.1	112.2	140.0	157.3	174.8	212.2	231.7
55°	179.6	192.3	204.1	175.5	135.6	207.1	214.1	198.5	230.9	260.3	287.7
52.5°	638.3	644.6	596.8	478.7	457.0	475.7	425.4	406.1	385.2	418.0	400.7
50°	1514.0	1480.9	1343.6	1145.6	1125.2	998.6	895.8	784.6	785.8	738.3	634.4
47.5°	2920.3	2726.8	2477.1	2249.2	2111.4	1989.2	1748.3	1432.2	1411.5	1237.7	1080.4
45°	4530.7	4224.6	3898.7	3550.9	3230.8	3018.1	2847.9	2528.8	2221.1	2013.5	1655.5
42.5°	5939.8	5688.0	5353.5	4858.6	4381.1	4024.4	3752.6	3489.2	3171.3	2870.2	2514.0
40°	7137.7	6793.0	6470.2	6100.9	5559.8	4993.8	4678.8	4333.3	4007.8	3667.8	3307.1
37.5°	8274.1	7801.8	7496.4	7105.7	6632.7	6137.1	5671.5	5249.9	4794.9	4413.3	4003.3
35°	9508.4	9014.2	8637.5	8200.7	7659.8	7233.9	6727.9	6201.1	5689.5	5166.7	4698.7
32.5°	11054.0	10572.9	9992.1	9450.0	8936.4	8368.6	7778.8	7158.3	6615.5	6006.0	5411.2
30°	13119.1	12444.1	11693.3	10954.7	10391.1	9682.4	8873.9	8248.7	7597.5	6876.0	6145.8
27.5°	15688.5	14614.1	13676.5	12887.5	12018.9	11154.6	10255.7	9402.5	8629.3	7802.3	6952.2
25°	18527.8	17309.8	16096.8	15061.8	13942.1	12792.6	11721.8	10693.3	9728.9	8759.9	7716.6
22.5°	21424.1	20116.7	18787.7	17388.5	15978.9	14610.8	13316.0	12001.9	10829.9	9684.3	8531.3
20°	24414.9	22843.8	21343.7	19732.7	18034.3	16372.9	14934.9	13383.0	11953.5	10622.2	9339.6
17.5°	27510.0	25560.6	23706.8	21889.8	20026.5	18199.1	16395.4	14682.9	13066.0	11543.3	10122.0
15°	30474.2	28196.4	26062.0	23972.5	21870.2	19754.7	17711.1	15859.6	14161.7	12480.7	10891.1
12.5°	32923.4	30604.3	28293.3	25816.2	23458.9	21191.3	19008.6	16990.0	15139.2	13281.2	11540.1
10°	34984.6	32540.2	30033.0	27467.4	24941.4	22513.6	20156.8	17909.1	15844.9	13930.5	12120.3
7.5°	36536.9	34047.3	31508.5	28868.0	26211.2	23620.1	21092.5	18692.3	16473.1	14479.3	12628.7
5°	37705.8	35192.2	32558.9	29902.1	27254.5	24580.3	21899.4	19368.3	17013.7	14929.1	13062.1
2.5°	38589.1	36012.1	33316.7	30670.6	28063.0	25353.3	22558.0	19917.8	17518.5	15333.8	13346.6
0°	39124.4	36532.4	33806.9	31127.9	28497.0	25873.9	23052.2	20323.5	17945.7	15662.5	13553.2
-2.5°	39380.8	36792.3	33988.7	31229.0	28589.4	25978.6	23322.5	20673.4	18215.1	15974.3	13840.9
-5°	39392.8	36813.2	34053.6	31317.8	28630.7	26029.2	23416.4	20854.0	18396.6	16178.5	14040.9
-7.5°	39159.9	36621.7	33895.1	31176.7	28515.9	25940.5	23353.4	20882.3	18505.0	16254.8	14140.5
-10°	38765.4	36278.0	33586.0	30861.8	28244.9	25668.5	23163.1	20804.9	18479.5	16232.0	14155.1
-12.5°	37925.6	35607.8	33020.2	30347.4	27788.3	25247.5	22848.7	20607.7	18315.3	16112.3	14086.0
-15°	36946.0	34685.9	32182.7	29650.4	27144.6	24715.4	22402.6	20208.6	17980.8	15890.2	13934.9
-17.5°	35631.2	33536.7	31155.1	28803.7	26402.4	24074.7	21843.2	19701.6	17594.5	15571.0	13655.6
-20°	34068.1	32049.0	30023.5	27838.7	25546.2	23320.2	21154.5	19133.5	17133.6	15164.5	13324.6



REPORT NUMBER: P731593 (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°	32369.2	30540.6	28636.5	26646.9	24579.7	22470.7	20427.6	18489.5	16583.6	14646.6	12926.3
-25°	30575.5	28918.1	27145.2	25328.2	23461.3	21511.3	19600.5	17751.9	15907.0	14094.1	12470.5
-27.5°	28713.7	27188.6	25656.1	23970.2	22234.0	20473.9	18694.8	16930.7	15161.7	13531.6	11994.3
-30°	26803.0	25448.0	24067.5	22609.1	20981.5	19332.1	17705.0	16069.8	14448.3	12911.5	11455.2
-32.5°	24855.1	23673.6	22428.1	21149.2	19677.5	18147.6	16661.1	15193.2	13690.4	12268.1	10924.4
-35°	22923.4	21905.3	20797.4	19605.3	18332.9	16958.9	15581.8	14245.7	12923.8	11587.2	10351.5
-37.5°	21070.9	20181.6	19165.5	18064.1	16953.0	15760.7	14520.2	13303.0	12089.1	10907.3	9749.3
-40°	19233.0	18425.5	17565.3	16581.2	15592.3	14577.1	13479.1	12351.9	11263.8	10197.7	9121.1
-42.5°	17455.8	16752.7	16006.8	15155.9	14265.9	13389.6	12444.1	11426.1	10421.4	9453.1	8514.8
-45°	15758.4	15147.3	14482.9	13776.4	12993.9	12214.0	11405.4	10492.1	9577.4	8721.7	7877.0
-47.5°	14134.7	13608.5	13034.5	12448.3	11770.3	11061.9	10344.5	9552.2	8770.5	7985.9	7254.2
-50°	12576.5	12131.2	11653.2	11160.3	10599.9	9965.5	9331.5	8682.7	7978.0	7298.6	6629.6
-52.5°	11090.0	10747.9	10374.6	9958.1	9499.0	8953.8	8380.4	7831.3	7227.3	6629.3	6034.7
-55°	9821.3	9510.9	9199.6	8851.7	8472.5	8005.0	7514.4	7022.9	6526.7	5979.4	5464.1
-57.5°	8661.9	8373.6	8113.4	7823.2	7503.9	7115.1	6699.1	6267.1	5842.0	5370.1	4901.1
-60°	7600.0	7325.7	7106.6	6865.5	6602.8	6280.3	5926.2	5554.3	5165.2	4778.8	4382.0
-62.5°	6593.6	6353.9	6169.3	5976.6	5765.4	5514.6	5197.1	4882.0	4553.1	4210.2	3887.0
-65°	5683.0	5479.2	5312.9	5161.1	4993.9	4807.5	4529.5	4254.9	3982.5	3701.9	3413.2
-67.5°	4866.1	4693.1	4550.8	4420.7	4287.9	4140.9	3920.9	3681.5	3450.5	3221.2	2977.4
-70°	4128.1	3986.3	3864.3	3755.8	3642.8	3523.6	3354.0	3158.4	2958.5	2763.0	2559.3
-72.5°	3457.9	3342.3	3237.7	3150.1	3052.9	2954.4	2825.1	2664.4	2498.7	2328.2	2157.9
-75°	2836.1	2742.5	2654.5	2586.1	2511.5	2430.8	2331.7	2201.0	2068.5	1934.7	1798.5
-77.5°	2258.6	2186.6	2116.8	2066.4	2010.8	1950.0	1874.2	1770.4	1673.0	1573.5	1471.9
-80°	1741.7	1688.8	1636.7	1604.6	1569.8	1532.5	1486.7	1407.2	1326.0	1247.2	1172.0
-82.5°	1300.9	1264.6	1228.3	1211.5	1192.0	1169.8	1142.0	1084.4	1025.9	966.8	907.2
-85°	959.8	934.8	909.5	899.6	888.4	875.8	860.8	823.1	784.7	745.6	706.0
-87.5°	735.4	716.7	698.0	690.8	683.3	675.6	667.4	642.1	616.7	591.2	565.8
-90°	5.5	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.6	8.9	9.3





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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°	471.1	448.6	426.1	403.6	380.7	357.8	334.9	312.0	286.0	260.0	234.0
87.5°	17.0	18.1	19.0	19.8	19.4	19.0	18.6	18.1	18.8	19.4	19.6
85°	36.1	34.0	32.4	31.2	29.4	27.1	26.3	25.3	26.5	27.1	27.2
82.5°	65.4	59.7	54.4	50.0	48.7	46.6	43.7	40.1	38.1	35.5	34.9
80°	87.7	80.2	73.2	67.5	66.8	66.2	63.1	59.2	56.1	52.3	47.6
77.5°	111.2	101.0	90.8	83.4	81.1	79.1	77.3	76.6	74.2	69.0	62.9
75°	135.8	123.8	111.9	103.7	99.1	91.7	88.5	88.9	91.4	86.2	78.2
72.5°	161.1	148.5	134.4	126.4	123.9	117.4	106.7	102.6	109.3	106.9	95.4
70°	183.8	173.5	159.8	156.3	153.1	144.5	134.6	131.7	128.8	128.7	118.5
67.5°	204.5	195.3	183.4	188.3	187.8	180.0	164.7	166.2	165.1	151.9	142.3
65°	211.1	211.7	209.0	222.2	225.0	218.0	203.4	205.7	203.0	189.9	167.0
62.5°	217.7	223.7	234.0	258.1	265.4	259.9	246.8	255.2	244.8	229.1	201.1
60°	225.1	236.4	264.9	295.2	308.5	304.9	302.0	307.9	297.7	269.6	239.7
57.5°	249.8	254.8	305.9	340.8	355.6	353.9	363.9	369.5	353.1	320.7	279.7
55°	290.3	309.7	366.8	398.8	412.3	408.0	435.2	438.4	413.4	375.8	322.5
52.5°	369.8	414.2	463.4	480.8	482.9	483.8	520.8	512.5	484.9	432.8	376.4
50°	548.2	587.2	613.3	603.1	570.8	598.5	617.0	605.6	560.3	495.1	432.7
47.5°	924.6	908.5	841.5	768.3	709.8	733.8	744.7	708.3	639.5	567.7	490.2
45°	1504.4	1370.5	1190.1	1033.4	909.1	922.8	895.1	819.4	741.6	646.3	548.9
42.5°	2134.9	1932.9	1703.3	1333.7	1216.3	1142.7	1062.1	968.7	850.0	727.5	615.3
40°	2875.1	2527.3	2261.6	1863.1	1543.6	1383.1	1276.9	1134.8	963.5	815.9	687.5
37.5°	3574.7	3148.9	2816.1	2362.6	1904.6	1687.2	1509.9	1312.6	1084.9	914.6	760.7
35°	4221.3	3752.7	3289.1	2813.3	2334.8	1992.3	1756.2	1510.9	1226.4	1012.4	834.7
32.5°	4853.9	4309.3	3770.8	3238.2	2730.0	2297.8	2024.2	1685.5	1362.1	1109.2	909.2
30°	5504.4	4869.0	4250.4	3649.3	3098.2	2638.2	2266.1	1849.3	1491.8	1204.5	985.4
27.5°	6157.5	5421.2	4731.4	4072.8	3463.6	2949.9	2450.9	2001.9	1615.3	1304.2	1064.9
25°	6826.9	6003.3	5227.7	4496.1	3814.1	3189.8	2628.1	2144.1	1741.4	1409.2	1142.2
22.5°	7507.4	6593.7	5710.9	4908.6	4105.1	3431.5	2813.8	2293.4	1863.0	1508.6	1217.1
20°	8147.9	7175.2	6163.1	5239.7	4392.5	3681.6	3011.4	2434.4	1975.1	1602.1	1289.4
17.5°	8765.4	7698.3	6564.6	5563.9	4670.9	3911.5	3204.0	2566.3	2077.7	1689.7	1358.8
15°	9404.6	8156.6	6953.1	5862.0	4924.8	4121.0	3389.5	2688.7	2170.9	1771.2	1417.1
12.5°	9976.8	8601.9	7315.9	6132.6	5153.8	4310.1	3565.9	2800.9	2254.8	1843.0	1462.6
10°	10486.0	9026.6	7648.5	6374.4	5357.2	4478.9	3730.9	2915.3	2353.4	1907.4	1504.9
7.5°	10931.7	9422.3	7946.8	6586.1	5536.6	4619.1	3855.9	3045.6	2451.1	1967.2	1543.4
5°	11298.3	9749.7	8233.3	6830.4	5702.5	4733.1	3951.6	3164.8	2543.2	2021.5	1577.7
2.5°	11537.4	9972.8	8489.9	7057.4	5844.6	4829.3	4024.3	3272.0	2628.0	2069.6	1607.2
0°	11713.9	10136.9	8698.1	7251.5	5960.2	4906.3	4077.4	3366.6	2703.8	2110.9	1631.3
-2.5°	11941.3	10297.6	8828.1	7405.4	6121.8	5042.7	4167.6	3426.4	2757.0	2162.4	1671.4
-5°	12098.1	10402.8	8912.7	7521.1	6252.3	5154.9	4239.8	3472.5	2799.5	2205.9	1705.3
-7.5°	12207.6	10487.9	8969.2	7597.9	6350.4	5239.9	4292.0	3504.8	2831.6	2241.0	1732.6
-10°	12249.6	10533.7	8999.7	7620.7	6381.3	5280.0	4323.0	3523.1	2853.4	2267.4	1753.0
-12.5°	12216.3	10511.8	8976.3	7602.1	6371.8	5279.1	4334.6	3537.5	2865.7	2284.7	1766.3
-15°	12106.9	10419.7	8897.3	7541.8	6327.4	5252.1	4326.9	3541.0	2870.7	2290.7	1772.1
-17.5°	11912.1	10255.4	8761.4	7439.3	6247.7	5198.7	4299.8	3527.8	2863.2	2284.1	1768.0
-20°	11636.8	10039.6	8575.8	7294.6	6132.5	5119.1	4253.3	3497.7	2842.8	2267.4	1754.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	11308.1	9794.4	8397.8	7131.6	5997.8	5013.3	4187.5	3450.3	2809.2	2240.4	1734.9
-25°	10923.2	9507.2	8172.8	6954.2	5856.9	4919.8	4111.9	3385.5	2762.3	2202.8	1707.9
-27.5°	10541.8	9187.9	7896.6	6741.4	5706.8	4806.2	4025.7	3321.9	2705.6	2154.7	1673.9
-30°	10142.2	8840.4	7616.9	6508.4	5527.0	4677.1	3919.2	3243.3	2643.0	2104.1	1633.0
-32.5°	9675.9	8438.1	7312.5	6282.3	5347.6	4521.2	3792.9	3148.8	2567.6	2049.9	1593.9
-35°	9163.9	8033.4	6978.5	6024.7	5147.7	4362.9	3657.7	3038.8	2479.5	1987.9	1551.6
-37.5°	8619.5	7602.8	6665.6	5752.0	4914.3	4181.9	3521.6	2924.5	2378.8	1918.0	1503.5
-40°	8112.6	7159.9	6290.3	5463.0	4682.0	3978.6	3368.6	2804.2	2284.4	1840.5	1449.8
-42.5°	7571.0	6716.2	5907.0	5132.8	4436.0	3791.1	3201.8	2672.5	2190.9	1766.9	1390.4
-45°	7052.2	6254.3	5506.0	4821.8	4174.1	3586.1	3043.6	2533.2	2086.2	1692.5	1329.7
-47.5°	6511.9	5794.5	5117.3	4488.5	3927.1	3373.4	2873.5	2401.9	1970.6	1611.7	1269.0
-50°	5989.5	5338.8	4731.0	4172.6	3650.7	3173.7	2696.4	2257.4	1866.9	1521.4	1202.3
-52.5°	5462.9	4895.9	4356.1	3851.0	3394.2	2962.0	2518.7	2103.3	1754.1	1430.1	1129.7
-55°	4949.6	4469.6	3985.9	3543.0	3130.4	2738.3	2326.9	1964.6	1632.8	1334.7	1053.2
-57.5°	4470.6	4044.3	3632.6	3236.2	2859.3	2496.2	2145.5	1816.2	1512.4	1233.1	985.1
-60°	3997.8	3644.5	3279.9	2925.1	2580.5	2263.4	1966.7	1663.4	1387.5	1129.3	910.6
-62.5°	3563.3	3244.4	2930.3	2607.4	2315.0	2043.9	1781.1	1512.3	1255.9	1035.2	831.2
-65°	3139.8	2859.4	2575.6	2316.0	2062.6	1822.2	1598.1	1354.0	1136.1	936.5	753.7
-67.5°	2726.2	2493.0	2261.3	2029.1	1817.9	1612.2	1407.0	1207.6	1015.7	833.5	687.2
-70°	2351.7	2144.6	1954.5	1769.8	1583.5	1401.4	1236.1	1063.4	890.7	750.9	618.1
-72.5°	1995.0	1833.3	1673.3	1512.6	1363.4	1214.6	1066.4	921.4	791.1	666.1	546.7
-75°	1660.0	1534.9	1412.6	1287.2	1155.5	1026.2	915.1	804.3	689.3	578.8	486.5
-77.5°	1368.7	1265.7	1163.1	1067.7	967.9	870.9	777.2	684.2	591.0	508.1	429.3
-80°	1097.4	1022.7	948.0	872.2	791.3	713.2	647.4	581.1	507.8	437.6	370.8
-82.5°	849.0	798.2	749.0	698.6	643.8	589.5	535.9	482.3	422.8	365.7	321.7
-85°	667.5	628.4	588.7	548.5	506.3	464.6	433.9	402.7	365.8	329.2	293.0
-87.5°	540.8	515.7	490.3	464.7	438.2	411.5	384.6	357.7	326.2	294.8	263.7
-90°	9.7	10.1	10.5	10.9	10.9	10.9	10.9	10.9	11.3	11.7	12.0



REPORT NUMBER: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	208.0	172.3	136.6	100.9	65.2	38.1	10.9
87.5°	19.6	19.0	18.2	17.1	15.8	13.8	10.9
85°	26.9	25.7	24.0	21.8	19.2	16.0	10.9
82.5°	34.2	32.4	29.8	26.5	22.6	18.1	10.9
80°	42.3	39.0	35.6	31.2	25.9	20.3	10.9
77.5°	56.2	48.3	41.4	35.9	29.4	22.4	10.9
75°	70.5	62.7	48.6	40.6	32.8	24.6	10.9
72.5°	85.1	77.2	62.0	45.2	36.2	26.7	10.9
70°	101.3	91.9	75.6	51.1	39.7	28.8	10.9
67.5°	126.1	106.9	89.2	62.6	43.2	30.9	10.9
65°	151.6	126.6	103.0	74.0	46.7	33.0	10.9
62.5°	177.8	150.9	116.8	85.4	50.3	35.1	10.9
60°	204.8	175.7	130.7	96.8	53.9	37.1	10.9
57.5°	241.9	200.8	152.0	108.1	62.1	39.1	10.9
55°	280.9	226.3	173.7	119.4	70.3	41.1	10.9
52.5°	320.7	253.7	195.5	130.6	78.4	43.1	10.9
50°	361.1	288.5	217.3	141.7	86.3	45.0	10.9
47.5°	403.6	323.5	239.1	154.1	94.1	46.9	10.9
45°	454.4	358.6	260.9	170.6	101.7	48.8	10.9
42.5°	505.5	393.8	282.6	186.8	109.1	50.6	10.9
40°	556.9	429.0	307.3	202.8	116.4	52.4	10.9
37.5°	608.5	464.1	334.6	218.4	123.4	54.1	10.9
35°	660.1	503.4	361.5	233.5	130.2	55.8	10.9
32.5°	714.4	544.4	387.9	248.1	136.8	57.4	10.9
30°	774.8	584.6	413.6	262.0	143.0	59.0	10.9
27.5°	834.5	624.0	437.0	275.4	149.1	60.5	10.9
25°	893.2	662.5	459.2	288.1	154.8	61.9	10.9
22.5°	950.7	698.0	480.2	300.0	160.2	63.2	10.9
20°	1006.5	727.5	500.0	311.3	165.3	64.5	10.9
17.5°	1050.4	754.8	518.4	321.8	170.1	65.7	10.9
15°	1084.5	779.8	535.5	331.5	174.5	66.8	10.9
12.5°	1114.6	802.4	551.1	340.4	178.5	67.8	10.9
10°	1140.8	822.7	565.2	348.4	182.2	68.8	10.9
7.5°	1163.0	840.4	577.7	355.5	185.4	69.6	10.9
5°	1181.2	855.7	588.6	361.6	188.2	70.3	10.9
2.5°	1195.6	868.4	597.8	366.8	190.6	70.9	10.9
0°	1206.0	878.5	605.3	371.0	192.5	71.4	10.9
-2.5°	1235.0	894.9	615.2	376.6	195.5	72.8	10.9
-5°	1259.8	908.5	623.2	381.2	197.9	74.1	10.9
-7.5°	1280.0	919.1	629.3	384.6	199.9	75.2	10.9
-10°	1295.2	926.7	633.3	387.0	201.5	76.3	10.9
-12.5°	1305.0	931.0	635.2	388.2	202.5	77.2	10.9
-15°	1309.2	932.0	635.0	388.2	203.0	77.9	10.9
-17.5°	1307.5	929.6	632.6	387.0	203.1	78.5	10.9
-20°	1300.3	923.7	627.9	384.6	202.6	79.0	10.9



REPORT NUMBER: P731593 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1288.9	914.1	621.0	381.1	201.6	79.4	10.9
-25°	1272.4	904.7	611.7	376.2	200.1	79.6	10.9
-27.5°	1250.8	893.1	600.1	370.2	198.2	79.6	10.9
-30°	1224.3	877.6	586.6	362.9	195.7	79.6	10.9
-32.5°	1192.7	858.2	574.2	354.4	192.7	79.3	10.9
-35°	1163.3	834.9	559.4	344.6	189.2	78.9	10.9
-37.5°	1131.8	809.9	542.1	333.7	185.2	78.4	10.9
-40°	1095.2	785.8	522.4	321.5	180.8	77.8	10.9
-42.5°	1053.6	758.4	504.1	308.9	175.9	76.9	10.9
-45°	1007.0	727.8	487.6	296.5	170.5	76.0	10.9
-47.5°	955.6	693.9	469.1	282.8	164.7	74.9	10.9
-50°	908.8	656.9	448.8	273.2	158.4	73.6	10.9
-52.5°	859.7	616.9	426.5	264.1	151.7	72.3	10.9
-55°	806.8	583.9	402.5	254.1	144.5	70.8	10.9
-57.5°	750.1	550.5	376.8	243.2	137.0	69.1	10.9
-60°	691.8	514.7	350.0	231.3	129.1	67.3	10.9
-62.5°	644.2	476.8	331.4	218.6	125.1	65.5	10.9
-65°	593.9	436.8	311.5	205.0	120.7	63.4	10.9
-67.5°	541.1	401.4	290.3	190.6	116.1	61.3	10.9
-70°	485.9	370.9	268.0	175.5	111.2	59.1	10.9
-72.5°	442.1	338.9	244.7	166.1	106.1	56.8	10.9
-75°	398.4	305.5	220.4	157.8	100.8	54.3	10.9
-77.5°	353.1	270.9	205.7	149.1	95.3	51.8	10.9
-80°	306.4	247.2	192.7	140.1	89.6	49.2	10.9
-82.5°	280.5	229.2	179.2	130.7	83.7	46.5	10.9
-85°	256.9	210.7	165.4	121.0	77.7	43.8	10.9
-87.5°	232.7	191.7	151.1	111.1	71.5	40.9	10.9
-90°	12.4	12.4	12.4	12.4	12.4	11.7	10.9

(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

