

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: P1306176 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-80-5S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

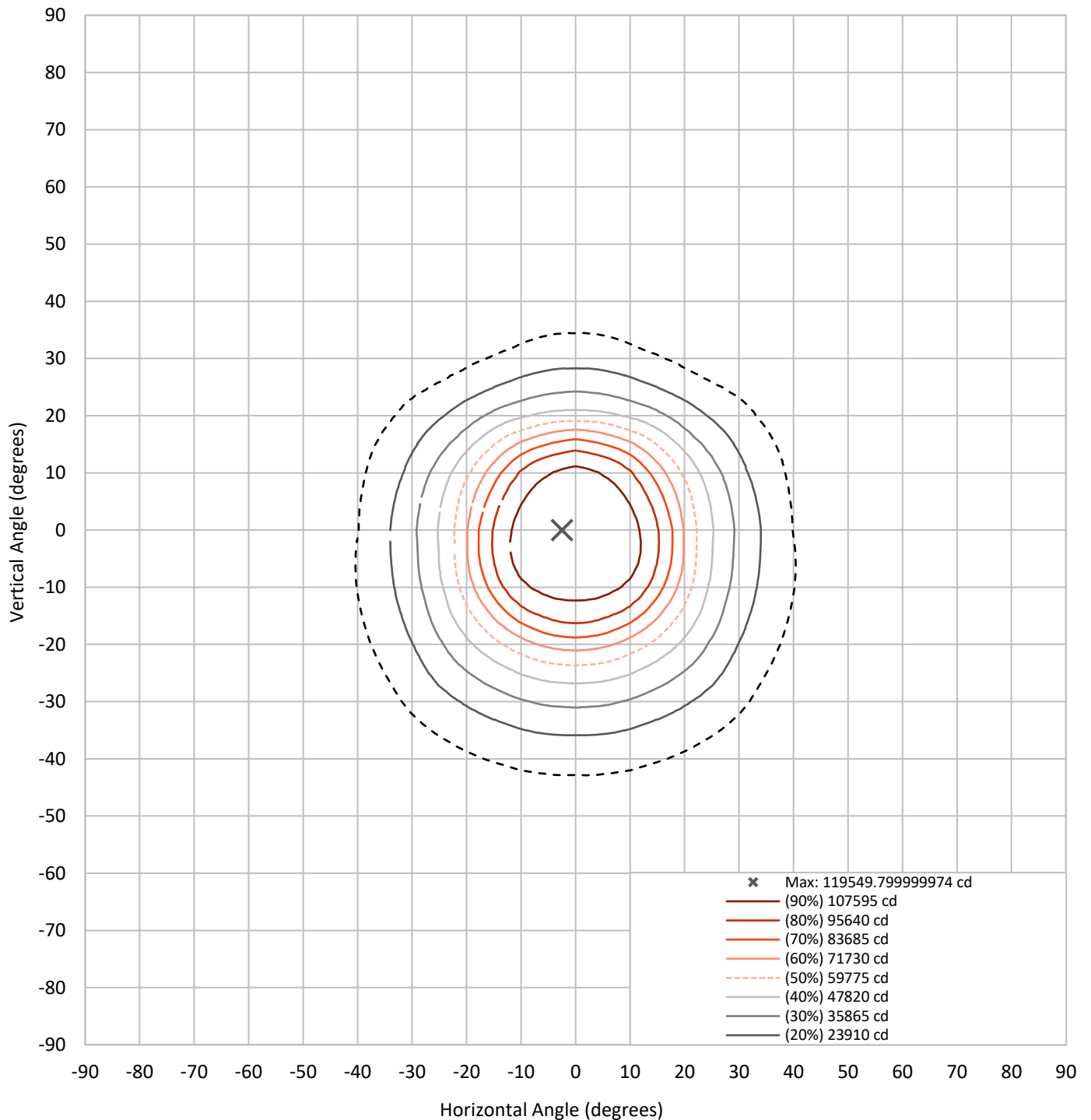
Test Method: LM-79-08  
Report Number: P1306176 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-530N-40-80-5S-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	77843.2 lumens	Max Intensity:	119549.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	140.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	44.5°H x 42.5°V	Field Angle (10%):	79.6°H x 77.3°V
Beam Lumens:	42743.2 lumens	Field Lumens:	71528.3 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%
Input Watts (W):	554		
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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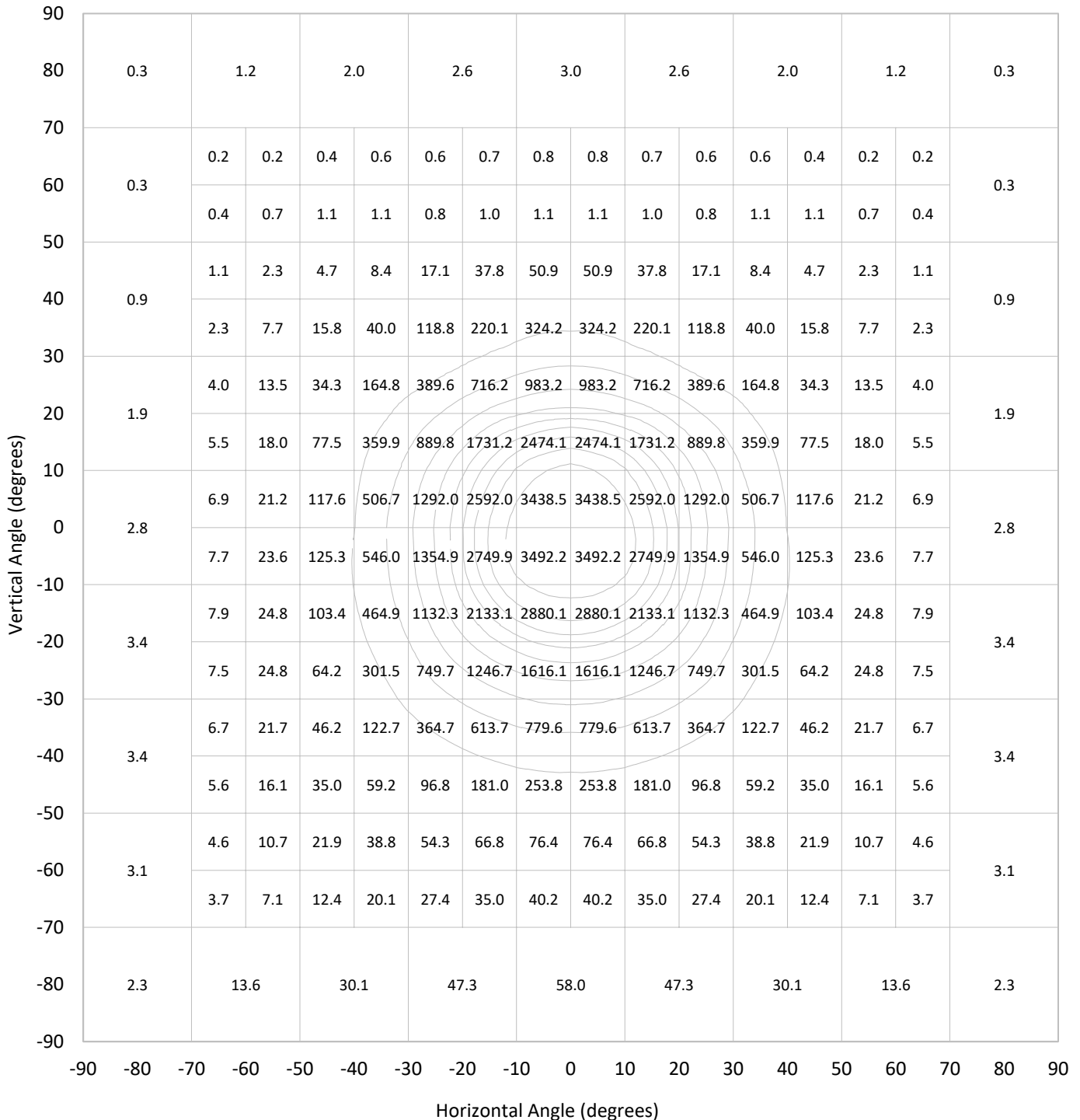
### Iso-Candela Plot





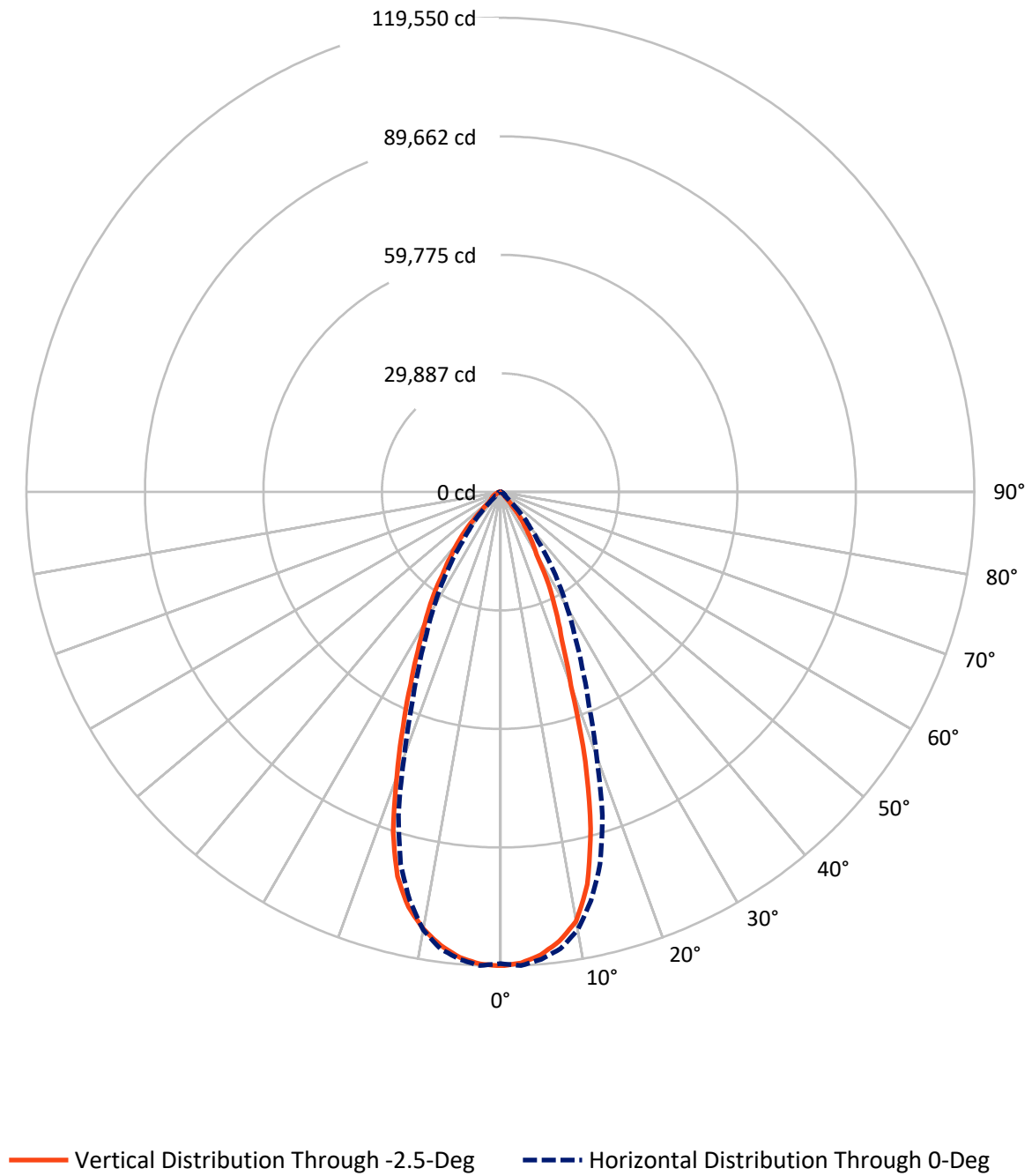
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### Lumen Table



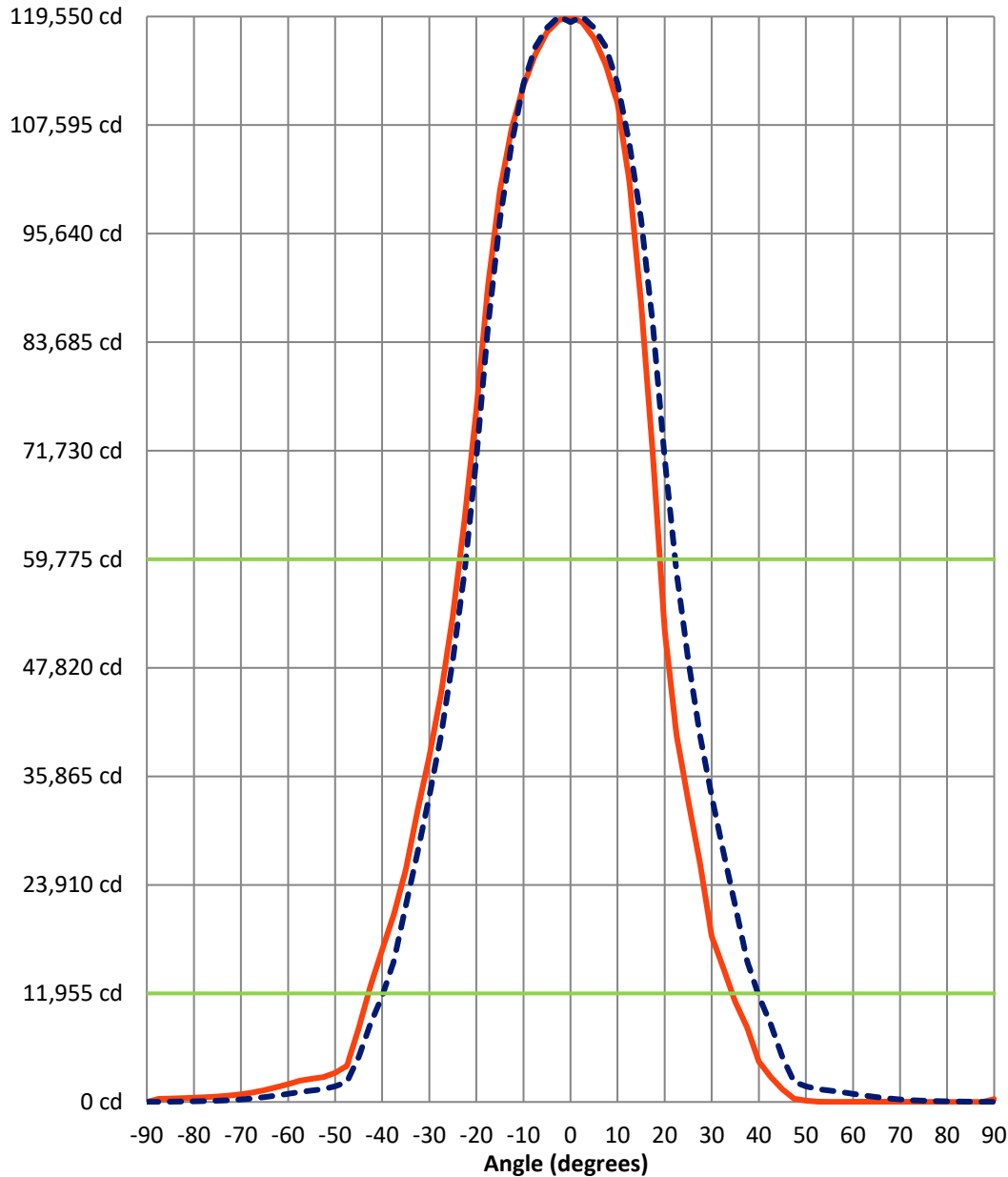
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 44.5°  
V Angle: 42.5°  
Lumens: 42743.2  
Efficiency: 54.9%

**Field:**  
H Angle: 79.6°  
V Angle: 77.3°  
Lumens: 71528.3  
Efficiency: 91.9%

**Spill:**  
Lumens: 6314.8  
Efficiency: 8.1%

— 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°	10.3	20.2	30.1	49.8	69.5	87.8	106.2	121.2	136.2	147.0	157.8
87.5°	10.3	9.6	8.7	8.8	8.8	8.9	9.0	8.6	8.2	8.1	7.9
85°	10.3	9.8	9.0	9.1	9.1	9.3	9.4	9.1	8.8	8.6	8.4
82.5°	10.3	10.0	9.3	9.4	9.4	9.7	9.9	9.7	9.5	9.2	8.8
80°	10.3	10.2	9.5	9.7	9.8	10.1	10.4	10.3	10.1	9.8	9.2
77.5°	10.3	10.4	9.8	10.0	10.1	10.5	10.9	10.9	10.8	10.4	9.7
75°	10.3	10.7	10.1	10.3	10.5	11.2	11.4	11.4	11.4	10.9	10.1
72.5°	10.3	10.9	10.4	10.6	11.2	11.8	12.0	12.0	11.9	11.3	10.6
70°	10.3	11.1	10.7	11.0	11.8	12.5	12.6	12.7	12.4	11.7	11.5
67.5°	10.3	11.3	11.0	11.5	12.5	13.2	13.4	13.5	13.0	12.8	12.5
65°	10.3	11.5	11.3	12.1	13.2	13.9	14.3	14.3	14.3	13.9	13.9
62.5°	10.3	11.8	11.7	12.6	13.9	14.7	15.2	15.5	15.7	15.4	16.2
60°	10.3	12.0	12.0	13.2	14.6	15.5	16.0	17.0	17.1	18.6	18.8
57.5°	10.3	12.2	12.6	13.7	15.5	16.3	17.8	18.5	21.1	22.5	24.0
55°	10.3	12.5	13.3	14.3	16.5	17.2	19.9	20.5	26.2	28.0	30.9
52.5°	10.3	12.7	14.0	14.8	17.6	18.3	22.1	25.8	31.8	36.4	38.7
50°	10.3	12.9	14.7	15.4	18.8	20.8	24.5	31.6	38.7	45.4	50.0
47.5°	10.3	13.1	15.4	16.0	20.1	23.6	27.5	37.5	47.5	55.0	62.7
45°	10.3	13.4	16.2	17.0	21.4	26.4	32.7	43.5	56.4	67.2	76.0
42.5°	10.3	13.6	17.1	18.1	22.8	29.4	37.9	50.8	65.7	79.9	96.2
40°	10.3	13.8	17.9	19.7	24.8	32.6	43.5	59.1	75.9	93.1	118.7
37.5°	10.3	14.1	18.8	21.5	27.3	35.8	49.4	67.5	87.9	108.8	142.4
35°	10.3	14.3	19.7	23.5	29.8	40.2	55.5	76.1	100.2	130.3	169.8
32.5°	10.3	14.5	20.7	25.4	32.3	45.0	62.0	85.1	112.7	152.1	201.0
30°	10.3	14.7	21.7	27.4	34.9	49.7	69.5	94.6	125.6	174.3	231.6
27.5°	10.3	15.0	22.6	29.4	38.3	54.4	76.9	105.0	139.9	196.7	261.5
25°	10.3	15.2	23.6	31.5	41.8	59.0	84.2	114.9	156.6	220.8	290.9
22.5°	10.3	15.4	24.6	33.5	45.2	63.8	91.2	124.4	172.3	241.6	322.0
20°	10.3	15.6	25.6	35.6	48.5	68.9	97.9	133.5	187.0	261.2	347.9
17.5°	10.3	15.8	26.6	37.6	51.8	73.8	104.7	142.1	200.7	279.7	372.5
15°	10.3	16.0	27.6	39.6	54.9	78.5	111.2	150.5	213.4	296.9	395.8
12.5°	10.3	16.1	28.6	41.6	58.0	82.9	117.4	158.7	226.2	312.7	417.6
10°	10.3	16.3	29.5	43.6	60.9	87.2	123.2	166.4	238.9	331.4	440.6
7.5°	10.3	16.5	30.4	45.5	63.8	91.2	128.5	173.7	250.7	349.5	468.2
5°	10.3	16.6	31.3	47.3	66.5	94.9	133.4	180.3	261.3	366.2	494.1
2.5°	10.3	16.8	32.1	49.0	69.0	98.3	137.9	186.3	270.8	381.3	518.0
0°	10.3	16.9	32.9	50.7	71.4	101.5	141.9	191.7	279.0	394.6	539.3
-2.5°	10.3	17.6	34.3	52.9	74.7	106.1	147.9	199.5	288.6	405.8	550.3
-5°	10.3	18.2	35.7	55.1	77.9	110.5	153.5	206.5	296.7	414.9	558.4
-7.5°	10.3	18.8	36.9	57.1	80.8	114.4	158.5	212.8	303.3	421.7	563.7
-10°	10.3	19.4	38.1	59.0	83.6	118.1	162.9	218.3	308.3	426.3	566.2
-12.5°	10.3	20.0	39.2	60.7	86.1	121.3	166.8	222.8	311.7	428.7	570.2
-15°	10.3	20.5	40.3	62.4	88.4	124.1	170.1	226.5	313.6	429.4	572.3
-17.5°	10.3	21.1	41.3	63.9	90.5	126.5	172.7	229.7	314.1	427.6	569.9
-20°	10.3	21.5	42.1	65.2	92.3	128.5	175.1	232.4	312.9	423.2	562.8



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 CATALOG NUMBER: EPH-08-530N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.3	22.0	42.9	66.4	93.9	130.0	177.5	234.3	310.1	416.2	551.6
-25°	10.3	22.4	43.6	67.5	95.2	131.8	179.2	235.3	305.7	406.6	541.7
-27.5°	10.3	22.8	44.2	68.4	96.2	133.6	180.3	235.5	299.7	400.1	534.4
-30°	10.3	23.2	44.7	69.1	97.1	134.9	180.6	234.8	297.2	394.9	523.2
-32.5°	10.3	23.5	45.1	69.7	98.8	135.7	180.3	234.3	296.9	387.0	507.6
-35°	10.3	23.8	45.4	70.2	100.1	136.1	180.3	233.4	295.2	376.3	487.6
-37.5°	10.3	24.1	45.6	70.4	101.2	136.6	180.3	232.0	292.1	362.9	469.5
-40°	10.3	24.3	45.7	70.5	102.1	137.6	179.7	229.5	287.4	354.8	452.0
-42.5°	10.3	24.4	45.7	70.7	102.8	138.3	178.7	226.2	282.9	348.1	431.5
-45°	10.3	24.5	45.6	71.1	103.3	138.6	177.2	222.9	277.9	339.5	410.1
-47.5°	10.3	24.6	45.4	71.3	103.5	138.6	175.0	220.3	271.7	329.1	398.0
-50°	10.3	24.7	45.1	71.3	103.4	138.3	174.2	216.8	263.8	319.8	383.8
-52.5°	10.3	24.7	44.7	71.2	102.9	137.6	173.2	212.6	257.1	308.7	366.7
-55°	10.3	24.6	44.3	70.9	102.1	136.4	171.8	208.0	250.5	295.9	349.4
-57.5°	10.3	24.5	43.7	70.3	101.0	134.7	169.9	205.7	243.0	285.8	330.7
-60°	10.3	24.4	43.0	69.6	99.5	132.7	167.6	202.4	235.5	275.9	312.7
-62.5°	10.3	24.2	42.4	68.7	98.1	130.2	164.4	198.4	230.6	264.4	298.4
-65°	10.3	24.0	41.7	67.6	96.4	127.4	160.8	193.8	225.2	255.5	283.1
-67.5°	10.3	23.8	40.9	66.3	94.5	124.4	156.8	188.2	219.1	247.0	271.3
-70°	10.3	23.5	40.0	64.8	92.3	121.0	152.3	182.2	211.7	238.0	260.7
-72.5°	10.3	23.2	39.1	63.4	89.8	117.3	146.9	175.6	203.7	227.8	249.4
-75°	10.3	22.9	38.0	61.9	87.1	113.2	141.0	168.0	195.2	217.2	237.5
-77.5°	10.3	22.5	36.8	60.2	84.6	108.7	134.7	159.6	185.1	205.7	225.1
-80°	10.3	22.1	35.6	58.4	82.0	104.6	127.9	150.9	174.4	192.7	210.7
-82.5°	10.3	21.6	34.3	56.5	79.1	100.7	122.7	142.6	163.2	179.3	195.3
-85°	10.3	21.2	33.0	54.4	76.1	96.6	117.4	135.7	154.4	167.9	181.2
-87.5°	10.3	20.7	31.6	52.1	72.9	92.3	111.9	128.6	145.4	157.5	169.6
-90°	10.3	9.4	8.5	8.5	8.5	8.5	8.5	8.0	7.5	7.5	7.5



REPORT NUMBER: P1306176 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	164.4	171.0	177.1	183.2	190.7	198.2	206.2	214.2	222.7	231.1	239.1
87.5°	7.5	7.1	7.1	7.1	6.7	6.2	5.9	5.6	5.2	4.7	4.6
85°	7.9	7.5	7.6	7.5	7.2	6.9	6.5	6.0	5.6	5.2	5.2
82.5°	8.6	8.5	8.1	7.6	7.4	7.4	7.1	6.6	6.2	5.9	5.8
80°	9.2	9.4	8.7	7.9	7.7	7.5	7.1	6.7	6.6	6.6	6.3
77.5°	9.6	9.5	8.9	8.5	8.1	7.8	7.5	7.2	7.0	6.7	6.6
75°	9.8	9.5	9.2	8.7	8.4	8.4	8.2	7.9	7.7	7.8	7.8
72.5°	10.4	10.1	9.7	8.9	8.7	8.9	8.9	8.7	8.9	9.3	9.2
70°	11.2	10.8	10.2	9.6	9.2	9.6	10.0	10.7	11.4	11.5	12.4
67.5°	12.1	11.7	10.9	10.4	10.1	10.7	11.3	13.6	15.8	17.0	18.4
65°	13.5	12.8	12.0	11.8	11.3	13.6	15.6	18.0	22.4	24.6	24.5
62.5°	15.1	15.3	14.2	14.4	16.3	18.4	21.8	26.9	32.2	34.2	32.4
60°	19.2	18.6	18.7	20.0	22.0	24.5	29.7	36.1	42.2	45.4	40.5
57.5°	24.6	24.4	25.8	26.6	29.4	30.2	37.2	45.1	50.3	54.2	47.8
55°	32.1	32.4	35.2	36.0	38.1	38.0	44.0	51.5	56.8	58.6	51.9
52.5°	42.7	43.2	48.2	48.8	48.2	48.8	51.1	59.1	63.5	63.6	57.7
50°	54.2	60.3	63.4	65.4	61.7	64.0	62.0	70.8	77.5	76.9	79.0
47.5°	71.4	79.4	83.9	87.2	84.4	91.5	90.0	103.6	108.2	134.1	138.1
45°	91.7	104.6	110.5	117.8	125.9	134.4	156.2	156.3	217.3	241.4	304.7
42.5°	114.4	133.7	150.3	153.3	193.8	217.4	247.2	308.4	368.0	442.9	471.4
40°	144.7	166.1	199.9	238.2	283.1	334.4	389.9	464.1	542.4	581.1	586.0
37.5°	178.1	218.4	265.6	334.9	404.0	471.4	541.7	614.3	670.7	685.0	737.6
35°	214.0	273.2	361.2	440.9	521.2	614.2	676.8	743.7	777.5	836.9	938.1
32.5°	259.3	329.4	438.8	542.4	631.7	732.9	792.8	844.1	923.6	1026.4	1249.9
30°	306.5	392.8	503.5	623.1	733.0	817.9	886.1	950.4	1074.9	1323.4	2089.7
27.5°	345.8	447.2	563.6	696.9	822.4	899.8	977.1	1089.4	1311.9	1823.9	3277.4
25°	381.1	491.2	622.6	777.3	900.2	985.4	1086.1	1244.5	1593.6	2983.3	4845.9
22.5°	415.5	534.5	690.0	861.8	979.1	1069.6	1222.0	1508.2	2239.8	4193.5	6432.1
20°	451.1	589.9	763.0	940.4	1054.6	1144.2	1340.7	1764.3	3261.9	5496.2	7831.7
17.5°	488.3	645.7	834.2	996.2	1103.1	1222.4	1466.0	1974.3	4115.1	6712.9	9327.2
15°	524.7	699.3	895.0	1044.4	1147.5	1306.7	1634.1	2593.8	5017.4	8071.4	10926.2
12.5°	559.6	748.0	942.2	1082.2	1191.2	1385.3	1772.3	3276.2	6102.2	9332.8	12316.3
10°	592.5	791.6	981.9	1117.9	1238.8	1469.2	1905.3	3944.3	7051.9	10152.6	13174.3
7.5°	626.3	827.9	1015.4	1152.0	1284.7	1548.3	2051.8	4463.3	7760.9	10783.2	13837.2
5°	656.8	855.8	1047.7	1190.1	1332.0	1618.5	2170.3	4860.1	8293.0	11304.1	14427.7
2.5°	683.6	877.8	1075.1	1226.1	1378.1	1677.2	2204.4	4970.4	8543.0	11584.4	15008.4
0°	706.5	894.4	1097.3	1258.0	1419.6	1724.9	2213.4	4951.1	8604.8	11669.4	15573.9
-2.5°	719.5	915.8	1137.0	1303.8	1456.7	1763.4	2260.2	4958.4	8657.1	12264.2	16301.1
-5°	728.6	931.9	1169.6	1344.5	1489.6	1790.5	2286.3	4845.7	8586.3	12577.3	16513.6
-7.5°	733.7	942.0	1193.6	1378.3	1519.5	1810.1	2301.0	4662.4	8590.2	12591.5	16246.3
-10°	736.4	951.6	1204.9	1397.3	1545.1	1819.5	2293.9	4347.6	8249.2	12250.7	15805.9
-12.5°	745.3	960.4	1208.9	1411.3	1565.6	1821.8	2304.4	4039.5	7609.6	11630.2	15176.3
-15°	748.7	962.7	1206.7	1422.9	1598.6	1844.0	2304.8	3561.0	6779.1	10842.9	14384.6
-17.5°	746.4	958.3	1199.8	1439.7	1629.1	1845.8	2252.5	2933.4	5830.6	9722.8	13342.2
-20°	738.2	948.4	1184.8	1448.0	1646.6	1861.1	2237.1	2831.5	4901.1	8322.4	12076.4



REPORT NUMBER: P1306176 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	726.5	933.0	1163.3	1429.7	1666.5	1894.6	2216.2	2695.9	3808.0	6722.7	10509.5
-25°	712.4	916.0	1140.3	1408.7	1675.7	1916.0	2151.2	2514.9	3166.1	5353.8	8570.1
-27.5°	697.7	891.8	1115.7	1373.7	1670.2	1905.7	2112.9	2414.6	2874.8	3833.1	6549.5
-30°	679.0	862.8	1079.6	1328.5	1620.7	1874.3	2089.6	2284.8	2599.1	3175.0	4805.5
-32.5°	656.1	828.8	1039.3	1276.9	1546.1	1836.6	2035.7	2205.4	2444.8	2797.6	3466.7
-35°	630.4	798.8	994.6	1211.9	1457.7	1742.0	1954.6	2134.1	2295.8	2567.5	2995.3
-37.5°	604.1	761.7	937.1	1143.1	1377.1	1609.2	1860.1	2039.0	2202.0	2372.4	2677.2
-40°	573.4	715.6	879.9	1070.4	1268.8	1479.5	1712.2	1936.2	2097.3	2274.9	2457.6
-42.5°	539.8	671.8	818.6	983.8	1162.0	1351.3	1557.8	1782.3	1998.1	2167.9	2335.9
-45°	512.7	624.5	753.4	900.5	1053.9	1222.4	1410.7	1607.3	1836.4	2056.3	2211.7
-47.5°	479.9	577.4	696.3	812.9	951.7	1102.0	1262.9	1449.2	1641.3	1857.8	2070.3
-50°	448.5	537.9	629.4	734.6	852.3	984.4	1127.9	1291.9	1469.5	1647.0	1839.6
-52.5°	427.1	495.4	573.4	656.4	759.3	872.5	999.6	1138.8	1294.5	1449.6	1616.6
-55°	403.5	462.7	518.7	589.1	669.9	768.2	878.5	1000.1	1118.9	1260.4	1402.4
-57.5°	380.6	429.7	474.6	528.6	596.1	668.3	768.6	869.8	972.9	1082.5	1202.5
-60°	357.3	397.5	436.8	480.4	529.6	593.5	663.3	747.9	832.2	919.8	1025.9
-62.5°	334.0	366.8	400.5	438.1	479.9	523.0	580.0	641.8	700.9	780.6	865.2
-65°	315.3	337.8	365.7	398.8	432.5	472.0	511.8	550.4	602.2	662.7	724.0
-67.5°	295.2	316.3	336.8	360.0	390.5	423.1	456.0	490.6	525.8	567.3	612.0
-70°	280.5	295.5	313.6	332.9	352.9	376.5	405.7	434.5	464.1	498.7	534.4
-72.5°	266.6	280.4	294.0	307.5	325.5	345.0	364.4	383.7	408.3	437.8	466.3
-75°	252.5	265.2	277.6	289.8	303.4	318.0	333.1	350.5	369.7	390.2	409.9
-77.5°	237.9	249.2	260.5	271.8	284.2	297.1	310.4	323.7	338.7	354.6	370.0
-80°	222.4	232.9	243.1	253.1	264.4	275.8	287.7	299.5	312.8	326.6	339.4
-82.5°	205.3	214.6	224.1	233.4	243.8	254.1	264.6	275.0	286.8	298.7	309.6
-85°	188.9	196.2	204.5	212.7	222.2	231.6	240.9	250.2	261.0	271.8	281.2
-87.5°	176.7	183.6	190.4	197.1	205.2	213.2	221.4	229.4	238.8	248.3	256.6
-90°	7.1	6.6	6.6	6.6	6.1	5.6	5.6	5.6	5.2	4.7	4.3



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	247.1	252.3	257.4	261.7	265.9	271.5	277.1	284.7	292.2	299.7	307.2
87.5°	4.5	4.2	3.8	3.7	3.7	3.7	3.7	3.3	2.8	2.8	2.8
85°	5.3	5.2	5.1	4.9	4.5	4.6	4.6	4.6	4.6	4.2	3.8
82.5°	5.6	5.6	5.6	5.2	4.7	4.7	4.7	4.7	4.7	4.3	3.8
80°	5.9	5.8	5.6	5.4	5.3	5.1	4.7	4.4	4.0	3.8	3.8
77.5°	6.7	6.4	6.0	5.9	5.7	5.2	4.8	4.3	3.9	3.8	3.8
75°	7.6	7.3	7.1	6.8	6.2	6.0	5.9	5.7	5.3	5.3	5.4
72.5°	9.1	8.9	9.0	9.2	9.1	9.4	9.9	10.2	10.6	11.4	12.3
70°	13.5	14.4	14.9	15.1	15.1	14.9	14.9	15.1	15.6	16.0	16.4
67.5°	19.8	21.3	22.1	22.4	20.9	20.1	20.2	20.6	21.4	22.7	24.6
65°	25.9	25.5	24.7	24.2	24.4	24.5	24.4	24.7	26.0	27.9	30.3
62.5°	30.3	26.3	23.8	22.6	23.4	24.9	23.9	23.1	24.2	25.4	26.6
60°	34.7	27.1	21.7	20.0	19.7	20.3	18.7	17.2	17.6	18.0	18.7
57.5°	38.8	29.0	20.1	17.1	14.4	12.9	12.5	12.0	11.7	11.4	11.5
55°	42.5	31.6	19.7	17.5	15.5	15.1	13.8	13.2	12.6	12.4	12.7
52.5°	47.1	40.6	32.4	30.1	33.9	34.1	30.2	35.9	40.3	42.2	43.0
50°	77.1	69.0	82.9	81.5	97.8	109.2	105.2	117.9	136.9	148.8	153.8
47.5°	169.3	169.6	196.9	221.2	241.2	267.4	287.6	307.0	334.1	350.9	358.5
45°	321.3	348.6	377.1	418.7	458.6	507.1	565.5	611.5	795.7	979.3	1146.2
42.5°	491.7	521.7	563.5	654.0	761.6	1010.7	1456.1	1704.7	2015.0	2352.7	2482.4
40°	633.6	677.1	791.9	1046.8	1667.7	2259.0	2908.4	3457.6	3943.7	4223.4	4457.1
37.5°	808.9	912.8	1435.5	2157.1	2929.1	3670.1	4338.9	4919.3	5423.0	5831.5	6235.9
35°	1064.3	1754.6	2526.7	3465.0	4285.6	4972.1	5665.1	6330.1	6901.3	7511.6	8418.3
32.5°	2017.5	2919.7	3913.0	4754.0	5556.1	6422.2	7150.3	8214.4	9047.7	10160.3	11860.5
30°	3238.2	4370.6	5271.2	6112.4	7140.9	8306.4	9522.2	11149.7	12850.4	14624.4	16450.2
27.5°	4805.6	5949.3	6898.8	8020.9	9378.9	10929.8	13254.4	15548.4	17987.4	20205.9	21892.0
25°	6694.9	7906.1	9529.0	11157.2	13100.5	15751.0	18362.6	21173.4	23618.7	25795.8	28232.9
22.5°	8465.5	10451.0	12594.1	15052.1	18216.6	21206.0	24435.0	27279.5	30348.2	33451.2	35851.0
20°	9960.3	12546.9	15621.3	19164.6	22672.4	26058.7	29816.3	34350.3	38918.9	43000.3	45962.2
17.5°	11976.6	15252.5	19079.3	23291.1	27067.5	31263.9	36493.7	42384.8	48786.4	54450.6	58941.8
15°	14179.8	18005.1	22332.1	26745.2	31522.9	37146.0	43870.8	51394.3	59224.8	67167.2	74566.6
12.5°	15677.6	20159.2	24884.4	30131.8	36090.8	43630.1	51795.8	60136.1	69084.7	78966.8	87550.2
10°	16958.1	21930.0	27630.6	33734.3	40581.7	48686.2	57125.8	67256.0	78425.8	88157.5	97351.1
7.5°	18224.5	24066.8	30021.7	36376.9	43900.0	52702.6	62690.9	73585.7	84953.1	95530.7	103048.9
5°	19723.1	25784.3	31738.7	38452.0	46330.3	55486.6	66022.1	78532.9	90509.6	100232.6	107013.7
2.5°	20962.3	26814.5	32911.7	39556.0	47653.0	57213.0	68647.5	82550.7	94840.0	103931.3	110067.3
0°	21593.2	27474.4	33649.6	40401.7	48702.1	58456.8	70932.3	85537.6	97152.5	105551.0	112122.3
-2.5°	21670.1	27264.6	33326.1	39985.6	48098.0	58046.1	70835.5	85613.3	97754.3	106483.4	112966.8
-5°	21446.1	26988.3	33038.1	39701.7	47704.4	58066.6	70908.0	85118.0	96849.7	105891.5	111997.3
-7.5°	20906.0	26480.8	32541.8	39107.3	46984.2	57034.0	69010.9	81891.3	93958.4	103728.0	109360.6
-10°	20114.8	25592.3	31559.9	37844.9	45273.3	54564.9	65276.1	77068.2	89262.2	98603.2	105098.7
-12.5°	19114.0	24298.1	30002.6	35944.6	42958.0	51614.8	61162.6	71036.7	81258.6	91907.9	98673.4
-15°	17965.1	22702.2	28042.0	34015.8	40949.6	48164.1	55748.3	63792.9	73137.3	81848.1	89723.4
-17.5°	16875.0	20954.8	25937.1	31757.4	37661.8	43930.5	50430.3	56998.3	64491.6	71329.4	77446.4
-20°	15504.9	18978.7	23569.4	28741.0	34227.6	39659.2	45242.2	50563.4	56003.3	61568.9	66427.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13890.1	17268.4	21098.5	25601.4	30868.8	35703.0	40174.5	44333.0	48693.2	52544.4	56542.4
-25°	12130.9	15379.2	18898.9	23003.8	27048.0	31430.6	35141.7	38678.2	42060.3	45084.2	48193.2
-27.5°	9970.7	13399.8	16869.3	20154.7	23492.0	26638.7	30098.9	33361.7	36182.2	38676.9	41141.0
-30°	7537.1	11176.8	14458.7	17276.9	19922.7	22547.2	25196.3	27934.1	30604.2	32876.0	34894.2
-32.5°	5561.1	8597.3	11630.9	14392.6	16708.2	18877.4	20937.5	23085.5	24953.1	26870.7	28737.1
-35°	3679.3	5825.3	8343.6	11151.3	13563.0	15387.8	17255.7	18968.3	20376.2	21862.9	23271.8
-37.5°	3096.4	3667.5	5352.2	7631.7	9865.3	11963.7	13826.5	15315.4	16611.2	17798.6	19015.5
-40°	2731.4	3057.1	3536.5	4364.7	6243.1	8089.1	10008.3	11590.9	12971.3	14109.6	15229.9
-42.5°	2491.8	2715.3	2954.1	3280.3	3601.8	4505.9	6081.3	7447.3	8742.0	10024.5	11178.8
-45°	2367.7	2493.1	2629.7	2807.1	2944.6	3189.6	3463.3	3720.4	4750.8	5864.3	6796.3
-47.5°	2218.8	2352.6	2454.7	2538.2	2605.0	2712.7	2826.4	2975.1	3213.7	3495.0	3709.6
-50°	2028.5	2190.9	2292.7	2376.5	2424.5	2466.1	2507.1	2600.3	2729.5	2882.9	3004.6
-52.5°	1782.4	1943.1	2087.3	2196.2	2249.3	2301.1	2352.6	2416.6	2490.1	2578.7	2642.2
-55°	1550.5	1684.7	1809.5	1911.0	2002.6	2086.0	2166.2	2234.1	2313.4	2397.6	2456.9
-57.5°	1330.3	1438.8	1541.2	1629.1	1708.4	1778.5	1860.5	1949.6	2051.0	2147.7	2215.6
-60°	1124.7	1210.8	1296.0	1367.4	1431.9	1489.5	1565.3	1640.0	1728.9	1808.0	1865.7
-62.5°	940.6	1015.9	1078.8	1132.7	1181.4	1229.6	1293.3	1355.9	1428.9	1492.2	1540.1
-65°	781.6	844.4	888.7	928.7	963.9	1004.9	1054.2	1104.3	1161.9	1211.0	1250.3
-67.5°	658.8	701.4	729.3	754.0	783.2	815.8	853.1	893.1	937.8	975.0	1005.0
-70°	566.1	592.6	609.5	627.9	649.3	671.9	697.1	727.3	761.2	790.2	815.2
-72.5°	492.7	513.0	527.0	541.2	554.0	569.5	586.5	609.0	634.1	656.7	677.8
-75°	429.0	443.5	456.6	469.0	480.2	493.2	506.8	525.8	546.4	565.0	582.6
-77.5°	386.3	397.5	406.2	414.5	422.6	433.5	444.6	459.9	476.0	491.4	506.4
-80°	352.1	360.7	368.0	374.1	379.7	388.9	398.5	411.1	423.8	437.1	450.4
-82.5°	320.3	327.8	334.8	340.7	346.0	354.4	362.9	374.1	385.4	396.5	407.4
-85°	290.6	297.5	304.0	309.6	315.0	321.8	328.5	338.1	347.8	357.9	367.9
-87.5°	264.7	271.2	277.7	282.0	286.3	292.3	298.3	306.6	314.9	323.5	332.2
-90°	3.8	3.8	3.8	3.3	2.8	2.8	2.8	2.4	1.9	1.9	1.9



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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°	311.0	314.7	316.6	318.5	316.6	314.7	311.0	307.2	299.7	292.2	284.7
87.5°	2.3	1.9	1.9	1.9	1.9	1.9	2.3	2.8	2.8	2.8	3.3
85°	3.3	2.8	3.3	3.8	3.3	2.8	3.3	3.8	4.2	4.6	4.6
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.7	4.7
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.0	4.4
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	4.3
75°	5.1	4.7	4.7	4.7	4.7	4.7	5.1	5.4	5.3	5.3	5.7
72.5°	12.7	13.0	13.6	14.1	13.6	13.0	12.7	12.3	11.4	10.6	10.2
70°	16.6	16.8	16.9	16.9	16.9	16.8	16.6	16.4	16.0	15.6	15.1
67.5°	25.5	26.0	27.1	28.2	27.1	26.0	25.5	24.6	22.7	21.4	20.6
65°	32.0	33.3	33.7	33.8	33.7	33.3	32.0	30.3	27.9	26.0	24.7
62.5°	27.7	29.0	29.2	29.1	29.2	29.0	27.7	26.6	25.4	24.2	23.1
60°	19.4	19.9	20.2	20.7	20.2	19.9	19.4	18.7	18.0	17.6	17.2
57.5°	11.7	12.3	12.3	12.2	12.3	12.3	11.7	11.5	11.4	11.7	12.0
55°	12.8	13.1	12.8	12.2	12.8	13.1	12.8	12.7	12.4	12.6	13.2
52.5°	41.9	39.8	37.7	35.7	37.7	39.8	41.9	43.0	42.2	40.3	35.9
50°	152.1	149.6	146.0	141.9	146.0	149.6	152.1	153.8	148.8	136.9	117.9
47.5°	365.3	366.1	362.5	356.1	362.5	366.1	365.3	358.5	350.9	334.1	307.0
45°	1291.7	1361.9	1399.8	1426.1	1399.8	1361.9	1291.7	1146.2	979.3	795.7	611.5
42.5°	2595.7	2694.3	2769.2	2784.6	2769.2	2694.3	2595.7	2482.4	2352.7	2015.0	1704.7
40°	4734.3	4750.8	4476.0	4061.4	4476.0	4750.8	4734.3	4457.1	4223.4	3943.7	3457.6
37.5°	6717.9	7411.0	8216.4	8627.3	8216.4	7411.0	6717.9	6235.9	5831.5	5423.0	4919.3
35°	9641.8	10684.5	11022.7	11031.5	11022.7	10684.5	9641.8	8418.3	7511.6	6901.3	6330.1
32.5°	13393.9	14241.7	14694.4	14571.5	14694.4	14241.7	13393.9	11860.5	10160.3	9047.7	8214.4
30°	17514.1	18251.7	18257.7	18010.9	18257.7	18251.7	17514.1	16450.2	14624.4	12850.4	11149.7
27.5°	23637.2	25195.8	26292.8	26588.4	26292.8	25195.8	23637.2	21892.0	20205.9	17987.4	15548.4
25°	30428.9	32141.6	33194.7	33578.2	33194.7	32141.6	30428.9	28232.9	25795.8	23618.7	21173.4
22.5°	38084.5	39749.8	40509.8	40907.2	40509.8	39749.8	38084.5	35851.0	33451.2	30348.2	27279.5
20°	48785.5	51153.2	52045.7	52427.2	52045.7	51153.2	48785.5	45962.2	43000.3	38918.9	34350.3
17.5°	63608.3	68284.5	71208.3	72709.8	71208.3	68284.5	63608.3	58941.8	54450.6	48786.4	42384.8
15°	80042.8	84790.1	87912.0	89784.0	87912.0	84790.1	80042.8	74566.6	67167.2	59224.8	51394.3
12.5°	94141.7	98373.6	101389.0	103181.6	101389.0	98373.6	94141.7	87550.2	78966.8	69084.7	60136.1
10°	103186.5	106815.8	109944.2	111472.1	109944.2	106815.8	103186.5	97351.1	88157.5	78425.8	67256.0
7.5°	108298.4	112518.5	114214.3	115259.2	114214.3	112518.5	108298.4	103048.9	95530.7	84953.1	73585.7
5°	112260.3	115595.1	117160.5	117924.5	117160.5	115595.1	112260.3	107013.7	100232.6	90509.6	78532.9
2.5°	114905.0	117800.1	118907.1	119523.5	118907.1	117800.1	114905.0	110067.3	103931.3	94840.0	82550.7
0°	116174.3	118308.8	119549.8	118944.8	119549.8	118308.8	116174.3	112122.3	105551.0	97152.5	85537.6
-2.5°	116183.1	118212.1	119134.6	118685.5	119134.6	118212.1	116183.1	112966.8	106483.4	97754.3	85613.3
-5°	115189.1	116703.4	117827.0	117467.0	117827.0	116703.4	115189.1	111997.3	105891.5	96849.7	85118.0
-7.5°	112508.5	114521.0	115344.1	115384.2	115344.1	114521.0	112508.5	109360.6	103728.0	93958.4	81891.3
-10°	108821.0	111052.3	111928.5	112018.0	111928.5	111052.3	108821.0	105098.7	98603.2	89262.2	77068.2
-12.5°	103340.4	105957.8	107218.9	107443.6	107218.9	105957.8	103340.4	98673.4	91907.9	81258.6	71036.7
-15°	94832.5	98360.3	100351.6	101050.4	100351.6	98360.3	94832.5	89723.4	81848.1	73137.3	63792.9
-17.5°	83266.3	87481.4	89964.5	90840.0	89964.5	87481.4	83266.3	77446.4	71329.4	64491.6	56998.3
-20°	71201.7	74326.6	76240.8	77029.6	76240.8	74326.6	71201.7	66427.0	61568.9	56003.3	50563.4



REPORT NUMBER: P1306176 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	60227.8	62747.2	64169.5	64801.2	64169.5	62747.2	60227.8	56542.4	52544.4	48693.2	44333.0
-25°	50710.0	52832.0	53561.3	53972.6	53561.3	52832.0	50710.0	48193.2	45084.2	42060.3	38678.2
-27.5°	42933.3	44616.7	45009.5	45372.6	45009.5	44616.7	42933.3	41141.0	38676.9	36182.2	33361.7
-30°	36380.5	37845.4	38045.7	38447.6	38045.7	37845.4	36380.5	34894.2	32876.0	30604.2	27934.1
-32.5°	30252.4	31556.8	32056.4	32133.3	32056.4	31556.8	30252.4	28737.1	26870.7	24953.1	23085.5
-35°	24384.2	25243.9	25584.1	25604.8	25584.1	25243.9	24384.2	23271.8	21862.9	20376.2	18968.3
-37.5°	19770.4	20318.5	20712.4	20603.9	20712.4	20318.5	19770.4	19015.5	17798.6	16611.2	15315.4
-40°	15857.7	16409.1	16769.2	16681.5	16769.2	16409.1	15857.7	15229.9	14109.6	12971.3	11590.9
-42.5°	11815.5	12421.9	12762.2	12668.1	12762.2	12421.9	11815.5	11178.8	10024.5	8742.0	7447.3
-45°	7327.7	7862.2	8113.0	7960.3	8113.0	7862.2	7327.7	6796.3	5864.3	4750.8	3720.4
-47.5°	3822.8	3944.5	3983.4	3928.9	3983.4	3944.5	3822.8	3709.6	3495.0	3213.7	2975.1
-50°	3099.5	3175.8	3208.6	3199.0	3208.6	3175.8	3099.5	3004.6	2882.9	2729.5	2600.3
-52.5°	2692.1	2727.3	2739.0	2732.0	2739.0	2727.3	2692.1	2642.2	2578.7	2490.1	2416.6
-55°	2506.9	2541.9	2554.0	2549.8	2554.0	2541.9	2506.9	2456.9	2397.6	2313.4	2234.1
-57.5°	2272.0	2315.0	2341.6	2355.3	2341.6	2315.0	2272.0	2215.6	2147.7	2051.0	1949.6
-60°	1912.1	1946.5	1956.4	1951.3	1956.4	1946.5	1912.1	1865.7	1808.0	1728.9	1640.0
-62.5°	1577.7	1605.9	1627.0	1641.3	1627.0	1605.9	1577.7	1540.1	1492.2	1428.9	1355.9
-65°	1279.1	1299.5	1303.8	1300.3	1303.8	1299.5	1279.1	1250.3	1211.0	1161.9	1104.3
-67.5°	1026.1	1041.3	1043.3	1040.0	1043.3	1041.3	1026.1	1005.0	975.0	937.8	893.1
-70°	832.0	844.7	846.5	844.6	846.5	844.7	832.0	815.2	790.2	761.2	727.3
-72.5°	690.1	699.3	706.4	712.1	706.4	699.3	690.1	677.8	656.7	634.1	609.0
-75°	591.5	598.2	599.9	600.3	599.9	598.2	591.5	582.6	565.0	546.4	525.8
-77.5°	514.3	521.0	525.8	529.9	525.8	521.0	514.3	506.4	491.4	476.0	459.9
-80°	456.3	461.4	465.3	468.8	465.3	461.4	456.3	450.4	437.1	423.8	411.1
-82.5°	413.1	418.4	421.7	424.6	421.7	418.4	413.1	407.4	396.5	385.4	374.1
-85°	372.3	376.4	379.5	382.4	379.5	376.4	372.3	367.9	357.9	347.8	338.1
-87.5°	336.1	340.0	342.0	343.9	342.0	340.0	336.1	332.2	323.5	314.9	306.6
-90°	1.4	0.9	0.9	0.9	0.9	0.9	1.4	1.9	1.9	1.9	2.4



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	277.1	271.5	265.9	261.7	257.4	252.3	247.1	239.1	231.1	222.7	214.2
87.5°	3.7	3.7	3.7	3.7	3.8	4.2	4.5	4.6	4.7	5.2	5.6
85°	4.6	4.6	4.5	4.9	5.1	5.2	5.3	5.2	5.2	5.6	6.0
82.5°	4.7	4.7	4.7	5.2	5.6	5.6	5.6	5.8	5.9	6.2	6.6
80°	4.7	5.1	5.3	5.4	5.6	5.8	5.9	6.3	6.6	6.6	6.7
77.5°	4.8	5.2	5.7	5.9	6.0	6.4	6.7	6.6	6.7	7.0	7.2
75°	5.9	6.0	6.2	6.8	7.1	7.3	7.6	7.8	7.8	7.7	7.9
72.5°	9.9	9.4	9.1	9.2	9.0	8.9	9.1	9.2	9.3	8.9	8.7
70°	14.9	14.9	15.1	15.1	14.9	14.4	13.5	12.4	11.5	11.4	10.7
67.5°	20.2	20.1	20.9	22.4	22.1	21.3	19.8	18.4	17.0	15.8	13.6
65°	24.4	24.5	24.4	24.2	24.7	25.5	25.9	24.5	24.6	22.4	18.0
62.5°	23.9	24.9	23.4	22.6	23.8	26.3	30.3	32.4	34.2	32.2	26.9
60°	18.7	20.3	19.7	20.0	21.7	27.1	34.7	40.5	45.4	42.2	36.1
57.5°	12.5	12.9	14.4	17.1	20.1	29.0	38.8	47.8	54.2	50.3	45.1
55°	13.8	15.1	15.5	17.5	19.7	31.6	42.5	51.9	58.6	56.8	51.5
52.5°	30.2	34.1	33.9	30.1	32.4	40.6	47.1	57.7	63.6	63.5	59.1
50°	105.2	109.2	97.8	81.5	82.9	69.0	77.1	79.0	76.9	77.5	70.8
47.5°	287.6	267.4	241.2	221.2	196.9	169.6	169.3	138.1	134.1	108.2	103.6
45°	565.5	507.1	458.6	418.7	377.1	348.6	321.3	304.7	241.4	217.3	156.3
42.5°	1456.1	1010.7	761.6	654.0	563.5	521.7	491.7	471.4	442.9	368.0	308.4
40°	2908.4	2259.0	1667.7	1046.8	791.9	677.1	633.6	586.0	581.1	542.4	464.1
37.5°	4338.9	3670.1	2929.1	2157.1	1435.5	912.8	808.9	737.6	685.0	670.7	614.3
35°	5665.1	4972.1	4285.6	3465.0	2526.7	1754.6	1064.3	938.1	836.9	777.5	743.7
32.5°	7150.3	6422.2	5556.1	4754.0	3913.0	2919.7	2017.5	1249.9	1026.4	923.6	844.1
30°	9522.2	8306.4	7140.9	6112.4	5271.2	4370.6	3238.2	2089.7	1323.4	1074.9	950.4
27.5°	13254.4	10929.8	9378.9	8020.9	6898.8	5949.3	4805.6	3277.4	1823.9	1311.9	1089.4
25°	18362.6	15751.0	13100.5	11157.2	9529.0	7906.1	6694.9	4845.9	2983.3	1593.6	1244.5
22.5°	24435.0	21206.0	18216.6	15052.1	12594.1	10451.0	8465.5	6432.1	4193.5	2239.8	1508.2
20°	29816.3	26058.7	22672.4	19164.6	15621.3	12546.9	9960.3	7831.7	5496.2	3261.9	1764.3
17.5°	36493.7	31263.9	27067.5	23291.1	19079.3	15252.5	11976.6	9327.2	6712.9	4115.1	1974.3
15°	43870.8	37146.0	31522.9	26745.2	22332.1	18005.1	14179.8	10926.2	8071.4	5017.4	2593.8
12.5°	51795.8	43630.1	36090.8	30131.8	24884.4	20159.2	15677.6	12316.3	9332.8	6102.2	3276.2
10°	57125.8	48686.2	40581.7	33734.3	27630.6	21930.0	16958.1	13174.3	10152.6	7051.9	3944.3
7.5°	62690.9	52702.6	43900.0	36376.9	30021.7	24066.8	18224.5	13837.2	10783.2	7760.9	4463.3
5°	66022.1	55486.6	46330.3	38452.0	31738.7	25784.3	19723.1	14427.7	11304.1	8293.0	4860.1
2.5°	68647.5	57213.0	47653.0	39556.0	32911.7	26814.5	20962.3	15008.4	11584.4	8543.0	4970.4
0°	70932.3	58456.8	48702.1	40401.7	33649.6	27474.4	21593.2	15573.9	11669.4	8604.8	4951.1
-2.5°	70835.5	58046.1	48098.0	39985.6	33326.1	27264.6	21670.1	16301.1	12264.2	8657.1	4958.4
-5°	70908.0	58066.6	47704.4	39701.7	33038.1	26988.3	21446.1	16513.6	12577.3	8586.3	4845.7
-7.5°	69010.9	57034.0	46984.2	39107.3	32541.8	26480.8	20906.0	16246.3	12591.5	8590.2	4662.4
-10°	65276.1	54564.9	45273.3	37844.9	31559.9	25592.3	20114.8	15805.9	12250.7	8249.2	4347.6
-12.5°	61162.6	51614.8	42958.0	35944.6	30002.6	24298.1	19114.0	15176.3	11630.2	7609.6	4039.5
-15°	55748.3	48164.1	40949.6	34015.8	28042.0	22702.2	17965.1	14384.6	10842.9	6779.1	3561.0
-17.5°	50430.3	43930.5	37661.8	31757.4	25937.1	20954.8	16875.0	13342.2	9722.8	5830.6	2933.4
-20°	45242.2	39659.2	34227.6	28741.0	23569.4	18978.7	15504.9	12076.4	8322.4	4901.1	2831.5



REPORT NUMBER: P1306176 (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°	40174.5	35703.0	30868.8	25601.4	21098.5	17268.4	13890.1	10509.5	6722.7	3808.0	2695.9
-25°	35141.7	31430.6	27048.0	23003.8	18898.9	15379.2	12130.9	8570.1	5353.8	3166.1	2514.9
-27.5°	30098.9	26638.7	23492.0	20154.7	16869.3	13399.8	9970.7	6549.5	3833.1	2874.8	2414.6
-30°	25196.3	22547.2	19922.7	17276.9	14458.7	11176.8	7537.1	4805.5	3175.0	2599.1	2284.8
-32.5°	20937.5	18877.4	16708.2	14392.6	11630.9	8597.3	5561.1	3466.7	2797.6	2444.8	2205.4
-35°	17255.7	15387.8	13563.0	11151.3	8343.6	5825.3	3679.3	2995.3	2567.5	2295.8	2134.1
-37.5°	13826.5	11963.7	9865.3	7631.7	5352.2	3667.5	3096.4	2677.2	2372.4	2202.0	2039.0
-40°	10008.3	8089.1	6243.1	4364.7	3536.5	3057.1	2731.4	2457.6	2274.9	2097.3	1936.2
-42.5°	6081.3	4505.9	3601.8	3280.3	2954.1	2715.3	2491.8	2335.9	2167.9	1998.1	1782.3
-45°	3463.3	3189.6	2944.6	2807.1	2629.7	2493.1	2367.7	2211.7	2056.3	1836.4	1607.3
-47.5°	2826.4	2712.7	2605.0	2538.2	2454.7	2352.6	2218.8	2070.3	1857.8	1641.3	1449.2
-50°	2507.1	2466.1	2424.5	2376.5	2292.7	2190.9	2028.5	1839.6	1647.0	1469.5	1291.9
-52.5°	2352.6	2301.1	2249.3	2196.2	2087.3	1943.1	1782.4	1616.6	1449.6	1294.5	1138.8
-55°	2166.2	2086.0	2002.6	1911.0	1809.5	1684.7	1550.5	1402.4	1260.4	1118.9	1000.1
-57.5°	1860.5	1778.5	1708.4	1629.1	1541.2	1438.8	1330.3	1202.5	1082.5	972.9	869.8
-60°	1565.3	1489.5	1431.9	1367.4	1296.0	1210.8	1124.7	1025.9	919.8	832.2	747.9
-62.5°	1293.3	1229.6	1181.4	1132.7	1078.8	1015.9	940.6	865.2	780.6	700.9	641.8
-65°	1054.2	1004.9	963.9	928.7	888.7	844.4	781.6	724.0	662.7	602.2	550.4
-67.5°	853.1	815.8	783.2	754.0	729.3	701.4	658.8	612.0	567.3	525.8	490.6
-70°	697.1	671.9	649.3	627.9	609.5	592.6	566.1	534.4	498.7	464.1	434.5
-72.5°	586.5	569.5	554.0	541.2	527.0	513.0	492.7	466.3	437.8	408.3	383.7
-75°	506.8	493.2	480.2	469.0	456.6	443.5	429.0	409.9	390.2	369.7	350.5
-77.5°	444.6	433.5	422.6	414.5	406.2	397.5	386.3	370.0	354.6	338.7	323.7
-80°	398.5	388.9	379.7	374.1	368.0	360.7	352.1	339.4	326.6	312.8	299.5
-82.5°	362.9	354.4	346.0	340.7	334.8	327.8	320.3	309.6	298.7	286.8	275.0
-85°	328.5	321.8	315.0	309.6	304.0	297.5	290.6	281.2	271.8	261.0	250.2
-87.5°	298.3	292.3	286.3	282.0	277.7	271.2	264.7	256.6	248.3	238.8	229.4
-90°	2.8	2.8	2.8	3.3	3.8	3.8	3.8	4.3	4.7	5.2	5.6



REPORT NUMBER: P1306176 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	206.2	198.2	190.7	183.2	177.1	171.0	164.4	157.8	147.0	136.2	121.2
87.5°	5.9	6.2	6.7	7.1	7.1	7.1	7.5	7.9	8.1	8.2	8.6
85°	6.5	6.9	7.2	7.5	7.6	7.5	7.9	8.4	8.6	8.8	9.1
82.5°	7.1	7.4	7.4	7.6	8.1	8.5	8.6	8.8	9.2	9.5	9.7
80°	7.1	7.5	7.7	7.9	8.7	9.4	9.2	9.2	9.8	10.1	10.3
77.5°	7.5	7.8	8.1	8.5	8.9	9.5	9.6	9.7	10.4	10.8	10.9
75°	8.2	8.4	8.4	8.7	9.2	9.5	9.8	10.1	10.9	11.4	11.4
72.5°	8.9	8.9	8.7	8.9	9.7	10.1	10.4	10.6	11.3	11.9	12.0
70°	10.0	9.6	9.2	9.6	10.2	10.8	11.2	11.5	11.7	12.4	12.7
67.5°	11.3	10.7	10.1	10.4	10.9	11.7	12.1	12.5	12.8	13.0	13.5
65°	15.6	13.6	11.3	11.8	12.0	12.8	13.5	13.9	13.9	14.3	14.3
62.5°	21.8	18.4	16.3	14.4	14.2	15.3	15.1	16.2	15.4	15.7	15.5
60°	29.7	24.5	22.0	20.0	18.7	18.6	19.2	18.8	18.6	17.1	17.0
57.5°	37.2	30.2	29.4	26.6	25.8	24.4	24.6	24.0	22.5	21.1	18.5
55°	44.0	38.0	38.1	36.0	35.2	32.4	32.1	30.9	28.0	26.2	20.5
52.5°	51.1	48.8	48.2	48.8	48.2	43.2	42.7	38.7	36.4	31.8	25.8
50°	62.0	64.0	61.7	65.4	63.4	60.3	54.2	50.0	45.4	38.7	31.6
47.5°	90.0	91.5	84.4	87.2	83.9	79.4	71.4	62.7	55.0	47.5	37.5
45°	156.2	134.4	125.9	117.8	110.5	104.6	91.7	76.0	67.2	56.4	43.5
42.5°	247.2	217.4	193.8	153.3	150.3	133.7	114.4	96.2	79.9	65.7	50.8
40°	389.9	334.4	283.1	238.2	199.9	166.1	144.7	118.7	93.1	75.9	59.1
37.5°	541.7	471.4	404.0	334.9	265.6	218.4	178.1	142.4	108.8	87.9	67.5
35°	676.8	614.2	521.2	440.9	361.2	273.2	214.0	169.8	130.3	100.2	76.1
32.5°	792.8	732.9	631.7	542.4	438.8	329.4	259.3	201.0	152.1	112.7	85.1
30°	886.1	817.9	733.0	623.1	503.5	392.8	306.5	231.6	174.3	125.6	94.6
27.5°	977.1	899.8	822.4	696.9	563.6	447.2	345.8	261.5	196.7	139.9	105.0
25°	1086.1	985.4	900.2	777.3	622.6	491.2	381.1	290.9	220.8	156.6	114.9
22.5°	1222.0	1069.6	979.1	861.8	690.0	534.5	415.5	322.0	241.6	172.3	124.4
20°	1340.7	1144.2	1054.6	940.4	763.0	589.9	451.1	347.9	261.2	187.0	133.5
17.5°	1466.0	1222.4	1103.1	996.2	834.2	645.7	488.3	372.5	279.7	200.7	142.1
15°	1634.1	1306.7	1147.5	1044.4	895.0	699.3	524.7	395.8	296.9	213.4	150.5
12.5°	1772.3	1385.3	1191.2	1082.2	942.2	748.0	559.6	417.6	312.7	226.2	158.7
10°	1905.3	1469.2	1238.8	1117.9	981.9	791.6	592.5	440.6	331.4	238.9	166.4
7.5°	2051.8	1548.3	1284.7	1152.0	1015.4	827.9	626.3	468.2	349.5	250.7	173.7
5°	2170.3	1618.5	1332.0	1190.1	1047.7	855.8	656.8	494.1	366.2	261.3	180.3
2.5°	2204.4	1677.2	1378.1	1226.1	1075.1	877.8	683.6	518.0	381.3	270.8	186.3
0°	2213.4	1724.9	1419.6	1258.0	1097.3	894.4	706.5	539.3	394.6	279.0	191.7
-2.5°	2260.2	1763.4	1456.7	1303.8	1137.0	915.8	719.5	550.3	405.8	288.6	199.5
-5°	2286.3	1790.5	1489.6	1344.5	1169.6	931.9	728.6	558.4	414.9	296.7	206.5
-7.5°	2301.0	1810.1	1519.5	1378.3	1193.6	942.0	733.7	563.7	421.7	303.3	212.8
-10°	2293.9	1819.5	1545.1	1397.3	1204.9	951.6	736.4	566.2	426.3	308.3	218.3
-12.5°	2304.4	1821.8	1565.6	1411.3	1208.9	960.4	745.3	570.2	428.7	311.7	222.8
-15°	2304.8	1844.0	1598.6	1422.9	1206.7	962.7	748.7	572.3	429.4	313.6	226.5
-17.5°	2252.5	1845.8	1629.1	1439.7	1199.8	958.3	746.4	569.9	427.6	314.1	229.7
-20°	2237.1	1861.1	1646.6	1448.0	1184.8	948.4	738.2	562.8	423.2	312.9	232.4



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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°	2216.2	1894.6	1666.5	1429.7	1163.3	933.0	726.5	551.6	416.2	310.1	234.3
-25°	2151.2	1916.0	1675.7	1408.7	1140.3	916.0	712.4	541.7	406.6	305.7	235.3
-27.5°	2112.9	1905.7	1670.2	1373.7	1115.7	891.8	697.7	534.4	400.1	299.7	235.5
-30°	2089.6	1874.3	1620.7	1328.5	1079.6	862.8	679.0	523.2	394.9	297.2	234.8
-32.5°	2035.7	1836.6	1546.1	1276.9	1039.3	828.8	656.1	507.6	387.0	296.9	234.3
-35°	1954.6	1742.0	1457.7	1211.9	994.6	798.8	630.4	487.6	376.3	295.2	233.4
-37.5°	1860.1	1609.2	1377.1	1143.1	937.1	761.7	604.1	469.5	362.9	292.1	232.0
-40°	1712.2	1479.5	1268.8	1070.4	879.9	715.6	573.4	452.0	354.8	287.4	229.5
-42.5°	1557.8	1351.3	1162.0	983.8	818.6	671.8	539.8	431.5	348.1	282.9	226.2
-45°	1410.7	1222.4	1053.9	900.5	753.4	624.5	512.7	410.1	339.5	277.9	222.9
-47.5°	1262.9	1102.0	951.7	812.9	696.3	577.4	479.9	398.0	329.1	271.7	220.3
-50°	1127.9	984.4	852.3	734.6	629.4	537.9	448.5	383.8	319.8	263.8	216.8
-52.5°	999.6	872.5	759.3	656.4	573.4	495.4	427.1	366.7	308.7	257.1	212.6
-55°	878.5	768.2	669.9	589.1	518.7	462.7	403.5	349.4	295.9	250.5	208.0
-57.5°	768.6	668.3	596.1	528.6	474.6	429.7	380.6	330.7	285.8	243.0	205.7
-60°	663.3	593.5	529.6	480.4	436.8	397.5	357.3	312.7	275.9	235.5	202.4
-62.5°	580.0	523.0	479.9	438.1	400.5	366.8	334.0	298.4	264.4	230.6	198.4
-65°	511.8	472.0	432.5	398.8	365.7	337.8	315.3	283.1	255.5	225.2	193.8
-67.5°	456.0	423.1	390.5	360.0	336.8	316.3	295.2	271.3	247.0	219.1	188.2
-70°	405.7	376.5	352.9	332.9	313.6	295.5	280.5	260.7	238.0	211.7	182.2
-72.5°	364.4	345.0	325.5	307.5	294.0	280.4	266.6	249.4	227.8	203.7	175.6
-75°	333.1	318.0	303.4	289.8	277.6	265.2	252.5	237.5	217.2	195.2	168.0
-77.5°	310.4	297.1	284.2	271.8	260.5	249.2	237.9	225.1	205.7	185.1	159.6
-80°	287.7	275.8	264.4	253.1	243.1	232.9	222.4	210.7	192.7	174.4	150.9
-82.5°	264.6	254.1	243.8	233.4	224.1	214.6	205.3	195.3	179.3	163.2	142.6
-85°	240.9	231.6	222.2	212.7	204.5	196.2	188.9	181.2	167.9	154.4	135.7
-87.5°	221.4	213.2	205.2	197.1	190.4	183.6	176.7	169.6	157.5	145.4	128.6
-90°	5.6	5.6	6.1	6.6	6.6	6.6	7.1	7.5	7.5	7.5	8.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	106.2	87.8	69.5	49.8	30.1	20.2	10.3
87.5°	9.0	8.9	8.8	8.8	8.7	9.6	10.3
85°	9.4	9.3	9.1	9.1	9.0	9.8	10.3
82.5°	9.9	9.7	9.4	9.4	9.3	10.0	10.3
80°	10.4	10.1	9.8	9.7	9.5	10.2	10.3
77.5°	10.9	10.5	10.1	10.0	9.8	10.4	10.3
75°	11.4	11.2	10.5	10.3	10.1	10.7	10.3
72.5°	12.0	11.8	11.2	10.6	10.4	10.9	10.3
70°	12.6	12.5	11.8	11.0	10.7	11.1	10.3
67.5°	13.4	13.2	12.5	11.5	11.0	11.3	10.3
65°	14.3	13.9	13.2	12.1	11.3	11.5	10.3
62.5°	15.2	14.7	13.9	12.6	11.7	11.8	10.3
60°	16.0	15.5	14.6	13.2	12.0	12.0	10.3
57.5°	17.8	16.3	15.5	13.7	12.6	12.2	10.3
55°	19.9	17.2	16.5	14.3	13.3	12.5	10.3
52.5°	22.1	18.3	17.6	14.8	14.0	12.7	10.3
50°	24.5	20.8	18.8	15.4	14.7	12.9	10.3
47.5°	27.5	23.6	20.1	16.0	15.4	13.1	10.3
45°	32.7	26.4	21.4	17.0	16.2	13.4	10.3
42.5°	37.9	29.4	22.8	18.1	17.1	13.6	10.3
40°	43.5	32.6	24.8	19.7	17.9	13.8	10.3
37.5°	49.4	35.8	27.3	21.5	18.8	14.1	10.3
35°	55.5	40.2	29.8	23.5	19.7	14.3	10.3
32.5°	62.0	45.0	32.3	25.4	20.7	14.5	10.3
30°	69.5	49.7	34.9	27.4	21.7	14.7	10.3
27.5°	76.9	54.4	38.3	29.4	22.6	15.0	10.3
25°	84.2	59.0	41.8	31.5	23.6	15.2	10.3
22.5°	91.2	63.8	45.2	33.5	24.6	15.4	10.3
20°	97.9	68.9	48.5	35.6	25.6	15.6	10.3
17.5°	104.7	73.8	51.8	37.6	26.6	15.8	10.3
15°	111.2	78.5	54.9	39.6	27.6	16.0	10.3
12.5°	117.4	82.9	58.0	41.6	28.6	16.1	10.3
10°	123.2	87.2	60.9	43.6	29.5	16.3	10.3
7.5°	128.5	91.2	63.8	45.5	30.4	16.5	10.3
5°	133.4	94.9	66.5	47.3	31.3	16.6	10.3
2.5°	137.9	98.3	69.0	49.0	32.1	16.8	10.3
0°	141.9	101.5	71.4	50.7	32.9	16.9	10.3
-2.5°	147.9	106.1	74.7	52.9	34.3	17.6	10.3
-5°	153.5	110.5	77.9	55.1	35.7	18.2	10.3
-7.5°	158.5	114.4	80.8	57.1	36.9	18.8	10.3
-10°	162.9	118.1	83.6	59.0	38.1	19.4	10.3
-12.5°	166.8	121.3	86.1	60.7	39.2	20.0	10.3
-15°	170.1	124.1	88.4	62.4	40.3	20.5	10.3
-17.5°	172.7	126.5	90.5	63.9	41.3	21.1	10.3
-20°	175.1	128.5	92.3	65.2	42.1	21.5	10.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	177.5	130.0	93.9	66.4	42.9	22.0	10.3
-25°	179.2	131.8	95.2	67.5	43.6	22.4	10.3
-27.5°	180.3	133.6	96.2	68.4	44.2	22.8	10.3
-30°	180.6	134.9	97.1	69.1	44.7	23.2	10.3
-32.5°	180.3	135.7	98.8	69.7	45.1	23.5	10.3
-35°	180.3	136.1	100.1	70.2	45.4	23.8	10.3
-37.5°	180.3	136.6	101.2	70.4	45.6	24.1	10.3
-40°	179.7	137.6	102.1	70.5	45.7	24.3	10.3
-42.5°	178.7	138.3	102.8	70.7	45.7	24.4	10.3
-45°	177.2	138.6	103.3	71.1	45.6	24.5	10.3
-47.5°	175.0	138.6	103.5	71.3	45.4	24.6	10.3
-50°	174.2	138.3	103.4	71.3	45.1	24.7	10.3
-52.5°	173.2	137.6	102.9	71.2	44.7	24.7	10.3
-55°	171.8	136.4	102.1	70.9	44.3	24.6	10.3
-57.5°	169.9	134.7	101.0	70.3	43.7	24.5	10.3
-60°	167.6	132.7	99.5	69.6	43.0	24.4	10.3
-62.5°	164.4	130.2	98.1	68.7	42.4	24.2	10.3
-65°	160.8	127.4	96.4	67.6	41.7	24.0	10.3
-67.5°	156.8	124.4	94.5	66.3	40.9	23.8	10.3
-70°	152.3	121.0	92.3	64.8	40.0	23.5	10.3
-72.5°	146.9	117.3	89.8	63.4	39.1	23.2	10.3
-75°	141.0	113.2	87.1	61.9	38.0	22.9	10.3
-77.5°	134.7	108.7	84.6	60.2	36.8	22.5	10.3
-80°	127.9	104.6	82.0	58.4	35.6	22.1	10.3
-82.5°	122.7	100.7	79.1	56.5	34.3	21.6	10.3
-85°	117.4	96.6	76.1	54.4	33.0	21.2	10.3
-87.5°	111.9	92.3	72.9	52.1	31.6	20.7	10.3
-90°	8.5	8.5	8.5	8.5	8.5	9.4	10.3

(END OF REPORT)