

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: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-7F-HEG-S**

Issue Date: 8/15/2023

**Test Information**

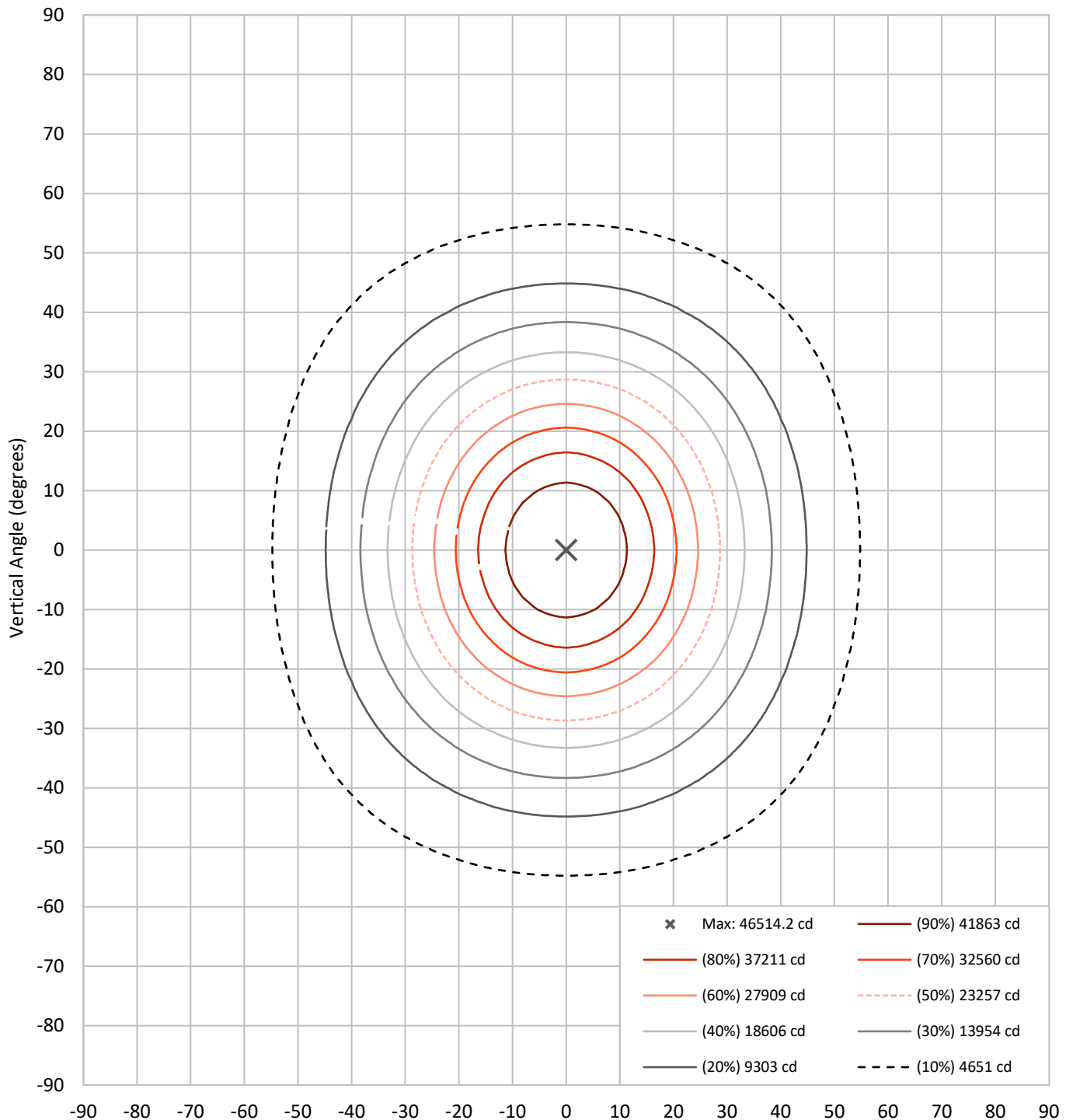
Test Method: LM-79-08  
Report Number: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/15/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-80-7F-HEG-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	52482.2 lumens	Max Intensity:	46514.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	25847.5 lumens	Field Lumens:	47612.7 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	344.2		
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





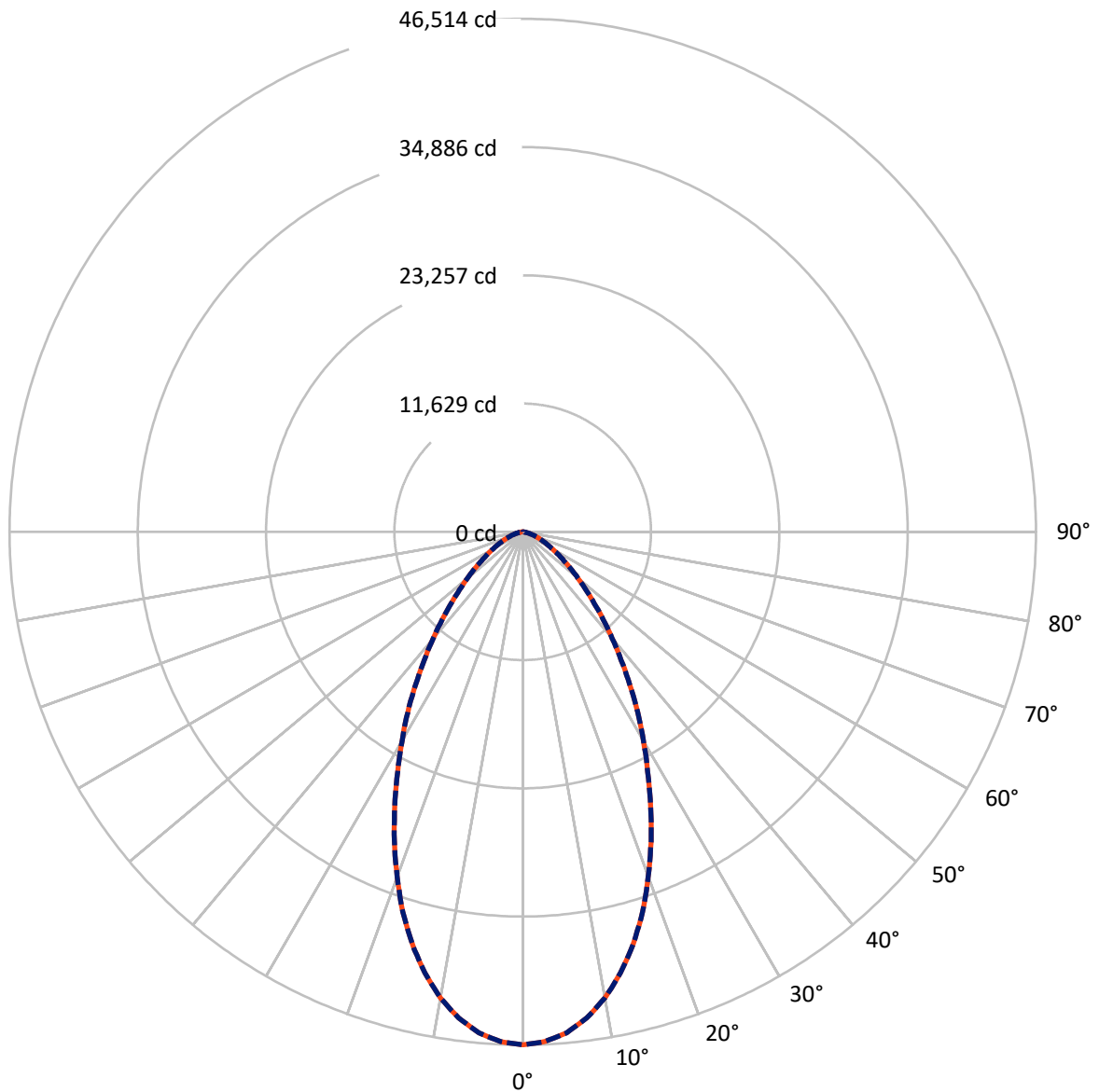
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### Lumen Table

90																
80	0.6	7.1		24.1			44.1		52.8		44.1		24.1		7.1	0.6
70																
60	3.4	4.6	11.6	21.9	34.5	47.4	58.2	64.2	64.2	58.2	47.4	34.5	21.9	11.6	4.6	3.4
50		8.6	21.8	41.8	67.9	97.2	123.6	139.1	139.1	123.6	97.2	67.9	41.8	21.8	8.6	
40	8.0	13.3	34.1	68.6	118.9	180.7	240.2	277.2	277.2	240.2	180.7	118.9	68.6	34.1	13.3	8.0
30		18.2	48.0	103.0	191.4	308.7	428.0	505.0	505.0	428.0	308.7	191.4	103.0	48.0	18.2	
20	12.1	22.6	62.2	141.9	279.7	473.5	676.1	811.2	811.2	676.1	473.5	279.7	141.9	62.2	22.6	12.1
10		26.0	74.3	177.2	364.5	635.4	933.0	1133.5	1133.5	933.0	635.4	364.5	177.2	74.3	26.0	
0	13.6	27.9	81.2	198.5	417.3	739.9	1100.0	1334.6	1334.6	1100.0	739.9	417.3	198.5	81.2	27.9	13.6
-10		27.9	81.2	198.5	417.3	739.9	1100.0	1334.6	1334.6	1100.0	739.9	417.3	198.5	81.2	27.9	
-20	12.1	26.0	74.3	177.2	364.5	635.4	933.0	1133.5	1133.5	933.0	635.4	364.5	177.2	74.3	26.0	12.1
-30		22.6	62.2	141.9	279.7	473.5	676.1	811.2	811.2	676.1	473.5	279.7	141.9	62.2	22.6	
-40	8.0	18.2	48.0	103.0	191.4	308.7	428.0	505.0	505.0	428.0	308.7	191.4	103.0	48.0	18.2	8.0
-50		13.3	34.1	68.6	118.9	180.7	240.2	277.2	277.2	240.2	180.7	118.9	68.6	34.1	13.3	
-60	3.4	8.6	21.8	41.8	67.9	97.2	123.6	139.1	139.1	123.6	97.2	67.9	41.8	21.8	8.6	3.4
-70		4.6	11.6	21.9	34.5	47.4	58.2	64.2	64.2	58.2	47.4	34.5	21.9	11.6	4.6	
-80																
-90	0.6	7.1		24.1			44.1		52.8		44.1		24.1		7.1	0.6

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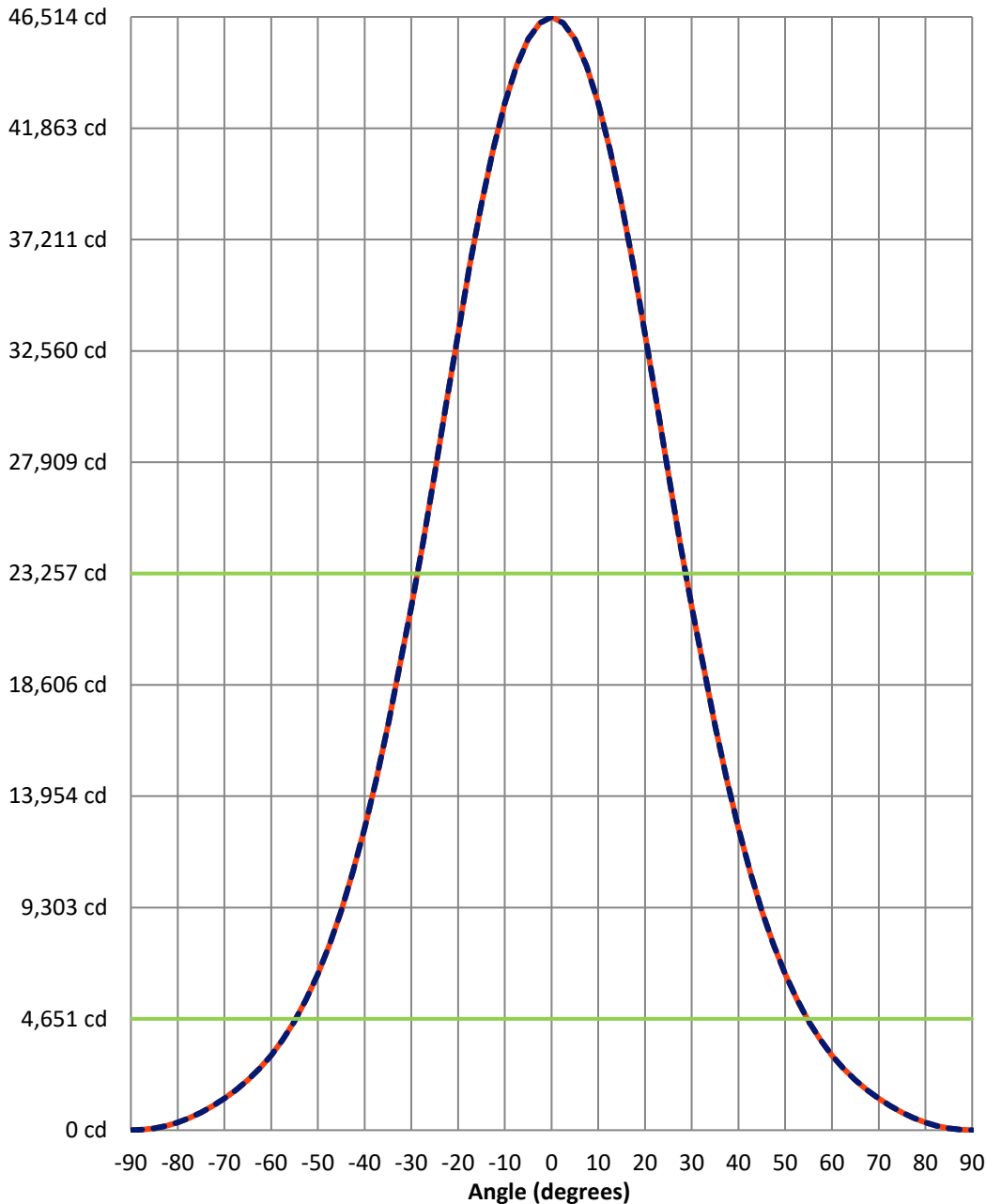
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 57.4°  
 V Angle: 57.4°  
 Lumens: 25847.5  
 Efficiency: 49.2%

**Field:**  
 H Angle: 109.4°  
 V Angle: 109.4°  
 Lumens: 47612.7  
 Efficiency: 90.7%

**Spill:**  
 Lumens: 4869.6  
 Efficiency: 9.3%

- Vertical Distribution through 0-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.1	8.1	9.0	10.0
85°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.2	16.1	18.0	19.9
82.5°	0.0	3.1	6.2	9.2	12.3	15.3	18.3	21.2	24.9	31.4	37.9
80°	0.0	4.1	8.2	12.3	16.3	20.3	25.2	34.3	43.1	51.9	60.5
77.5°	0.0	5.1	10.2	15.3	20.3	27.6	39.0	50.2	61.3	72.2	87.4
75°	0.0	6.1	12.2	18.3	25.2	39.0	52.6	66.0	80.7	104.5	128.0
72.5°	0.0	7.1	14.2	21.2	34.3	50.2	66.0	85.0	113.1	140.9	168.2
70°	0.0	8.1	16.1	24.9	43.1	61.3	80.7	113.1	145.2	177.2	223.2
67.5°	0.0	9.0	18.0	31.4	51.9	72.2	104.5	140.9	177.2	229.6	281.3
65°	0.0	10.0	19.9	37.9	60.5	87.4	128.0	168.2	223.2	281.3	343.2
62.5°	0.0	10.9	21.8	44.2	68.9	106.6	151.0	204.0	268.4	334.9	415.5
60°	0.0	11.8	23.6	50.4	77.2	125.3	173.5	242.8	312.7	398.8	486.4
57.5°	0.0	12.7	27.6	56.5	91.5	143.7	204.8	280.7	365.7	461.4	566.1
55°	0.0	13.5	31.5	62.3	105.8	161.5	236.4	317.6	420.0	525.3	648.9
52.5°	0.0	14.4	35.3	68.0	119.6	180.2	267.2	362.7	472.7	597.9	729.5
50°	0.0	15.2	39.0	73.6	133.0	205.0	296.9	407.4	527.2	668.3	821.6
47.5°	0.0	15.9	42.5	79.9	146.0	228.9	326.9	450.6	587.7	736.4	912.3
45°	0.0	16.7	45.9	89.2	158.4	251.9	362.5	492.2	645.9	814.7	999.9
42.5°	0.0	17.4	49.2	98.2	170.3	274.0	396.6	537.2	701.8	890.2	1094.0
40°	0.0	18.1	52.3	106.7	184.4	295.0	429.2	583.8	758.6	962.5	1185.7
37.5°	0.0	18.7	55.2	114.7	200.4	315.0	460.1	628.2	819.6	1033.9	1273.2
35°	0.0	19.3	58.0	122.4	215.5	337.5	489.4	670.1	877.3	1108.2	1360.5
32.5°	0.0	19.9	60.7	129.6	229.7	360.4	518.8	709.6	931.6	1178.2	1449.4
30°	0.0	20.4	63.1	136.3	242.9	381.8	550.4	748.3	982.5	1243.8	1532.8
27.5°	0.0	20.9	65.4	142.5	255.2	401.7	579.6	789.4	1032.2	1304.8	1610.4
25°	0.0	21.4	67.5	148.2	266.6	419.9	606.6	827.3	1081.9	1366.0	1682.6
22.5°	0.0	21.8	69.4	153.4	276.9	436.6	631.1	861.9	1127.1	1424.4	1758.9
20°	0.0	22.2	71.1	158.1	286.1	451.6	653.3	893.0	1168.0	1477.1	1827.8
17.5°	0.0	22.5	72.6	162.3	294.4	464.9	672.9	920.7	1204.2	1523.9	1889.0
15°	0.0	22.8	73.9	165.9	301.6	476.5	690.0	944.8	1235.9	1564.7	1942.5
12.5°	0.0	23.0	75.0	169.0	307.7	486.4	704.6	965.3	1262.8	1599.4	1988.0
10°	0.0	23.2	76.0	171.5	312.7	494.4	716.5	982.1	1284.9	1628.0	2025.5
7.5°	0.0	23.4	76.7	173.5	316.6	500.8	725.9	995.2	1302.1	1650.3	2054.7
5°	0.0	23.5	77.2	174.9	319.4	505.3	732.5	1004.7	1314.5	1666.3	2075.7
2.5°	0.0	23.6	77.5	175.7	321.0	508.0	736.6	1010.3	1321.9	1675.9	2088.3
0°	0.0	23.6	77.6	176.0	321.6	508.9	737.9	1012.2	1324.4	1679.1	2092.5
-2.5°	0.0	23.6	77.5	175.7	321.0	508.0	736.6	1010.3	1321.9	1675.9	2088.3
-5°	0.0	23.5	77.2	174.9	319.4	505.3	732.5	1004.7	1314.5	1666.3	2075.7
-7.5°	0.0	23.4	76.7	173.5	316.6	500.8	725.9	995.2	1302.1	1650.3	2054.7
-10°	0.0	23.2	76.0	171.5	312.7	494.4	716.5	982.1	1284.9	1628.0	2025.5
-12.5°	0.0	23.0	75.0	169.0	307.7	486.4	704.6	965.3	1262.8	1599.4	1988.0
-15°	0.0	22.8	73.9	165.9	301.6	476.5	690.0	944.8	1235.9	1564.7	1942.5
-17.5°	0.0	22.5	72.6	162.3	294.4	464.9	672.9	920.7	1204.2	1523.9	1889.0
-20°	0.0	22.2	71.1	158.1	286.1	451.6	653.3	893.0	1168.0	1477.1	1827.8



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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°	0.0	21.8	69.4	153.4	276.9	436.6	631.1	861.9	1127.1	1424.4	1758.9
-25°	0.0	21.4	67.5	148.2	266.6	419.9	606.6	827.3	1081.9	1366.0	1682.6
-27.5°	0.0	20.9	65.4	142.5	255.2	401.7	579.6	789.4	1032.2	1304.8	1610.4
-30°	0.0	20.4	63.1	136.3	242.9	381.8	550.4	748.3	982.5	1243.8	1532.8
-32.5°	0.0	19.9	60.7	129.6	229.7	360.4	518.8	709.6	931.6	1178.2	1449.4
-35°	0.0	19.3	58.0	122.4	215.5	337.5	489.4	670.1	877.3	1108.2	1360.5
-37.5°	0.0	18.7	55.2	114.7	200.4	315.0	460.1	628.2	819.6	1033.9	1273.2
-40°	0.0	18.1	52.3	106.7	184.4	295.0	429.2	583.8	758.6	962.5	1185.7
-42.5°	0.0	17.4	49.2	98.2	170.3	274.0	396.6	537.2	701.8	890.2	1094.0
-45°	0.0	16.7	45.9	89.2	158.4	251.9	362.5	492.2	645.9	814.7	999.9
-47.5°	0.0	15.9	42.5	79.9	146.0	228.9	326.9	450.6	587.7	736.4	912.3
-50°	0.0	15.2	39.0	73.6	133.0	205.0	296.9	407.4	527.2	668.3	821.6
-52.5°	0.0	14.4	35.3	68.0	119.6	180.2	267.2	362.7	472.7	597.9	729.5
-55°	0.0	13.5	31.5	62.3	105.8	161.5	236.4	317.6	420.0	525.3	648.9
-57.5°	0.0	12.7	27.6	56.5	91.5	143.7	204.8	280.7	365.7	461.4	566.1
-60°	0.0	11.8	23.6	50.4	77.2	125.3	173.5	242.8	312.7	398.8	486.4
-62.5°	0.0	10.9	21.8	44.2	68.9	106.6	151.0	204.0	268.4	334.9	415.5
-65°	0.0	10.0	19.9	37.9	60.5	87.4	128.0	168.2	223.2	281.3	343.2
-67.5°	0.0	9.0	18.0	31.4	51.9	72.2	104.5	140.9	177.2	229.6	281.3
-70°	0.0	8.1	16.1	24.9	43.1	61.3	80.7	113.1	145.2	177.2	223.2
-72.5°	0.0	7.1	14.2	21.2	34.3	50.2	66.0	85.0	113.1	140.9	168.2
-75°	0.0	6.1	12.2	18.3	25.2	39.0	52.6	66.0	80.7	104.5	128.0
-77.5°	0.0	5.1	10.2	15.3	20.3	27.6	39.0	50.2	61.3	72.2	87.4
-80°	0.0	4.1	8.2	12.3	16.3	20.3	25.2	34.3	43.1	51.9	60.5
-82.5°	0.0	3.1	6.2	9.2	12.3	15.3	18.3	21.2	24.9	31.4	37.9
-85°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.2	16.1	18.0	19.9
-87.5°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.1	8.1	9.0	10.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	11.8	12.7	13.5	14.4	15.2	15.9	16.7	17.4	18.1	18.7
85°	21.8	23.6	27.6	31.5	35.3	39.0	42.5	45.9	49.2	52.3	55.2
82.5°	44.2	50.4	56.5	62.3	68.0	73.6	79.9	89.2	98.2	106.7	114.7
80°	68.9	77.2	91.5	105.8	119.6	133.0	146.0	158.4	170.3	184.4	200.4
77.5°	106.6	125.3	143.7	161.5	180.2	205.0	228.9	251.9	274.0	295.0	315.0
75°	151.0	173.5	204.8	236.4	267.2	296.9	326.9	362.5	396.6	429.2	460.1
72.5°	204.0	242.8	280.7	317.6	362.7	407.4	450.6	492.2	537.2	583.8	628.2
70°	268.4	312.7	365.7	420.0	472.7	527.2	587.7	645.9	701.8	758.6	819.6
67.5°	334.9	398.8	461.4	525.3	597.9	668.3	736.4	814.7	890.2	962.5	1033.9
65°	415.5	486.4	566.1	648.9	729.5	821.6	912.3	999.9	1094.0	1185.7	1273.2
62.5°	494.7	586.6	679.7	777.2	883.3	986.5	1096.7	1206.6	1312.3	1425.8	1535.7
60°	586.6	690.0	802.0	920.7	1039.8	1168.0	1292.3	1424.4	1555.9	1682.6	1823.1
57.5°	679.7	802.0	933.2	1068.4	1211.0	1353.4	1506.6	1654.9	1817.5	1977.6	2136.6
55°	777.2	920.7	1068.4	1225.4	1386.3	1556.3	1728.6	1915.1	2095.7	2295.9	2487.7
52.5°	883.3	1039.8	1211.0	1386.3	1573.0	1767.7	1974.2	2187.4	2411.3	2635.5	2873.4
50°	986.5	1168.0	1353.4	1556.3	1767.7	1994.0	2233.6	2481.2	2743.6	3009.6	3296.4
47.5°	1096.7	1292.3	1506.6	1728.6	1974.2	2233.6	2504.6	2798.0	3092.1	3431.5	3763.8
45°	1206.6	1424.4	1654.9	1915.1	2187.4	2481.2	2798.0	3119.8	3499.6	3878.5	4282.9
42.5°	1312.3	1555.9	1817.5	2095.7	2411.3	2743.6	3092.1	3499.6	3918.1	4363.3	4843.4
40°	1425.8	1682.6	1977.6	2295.9	2635.5	3009.6	3431.5	3878.5	4363.3	4892.9	5442.6
37.5°	1535.7	1823.1	2136.6	2487.7	2873.4	3296.4	3763.8	4282.9	4843.4	5442.6	6103.0
35°	1640.1	1956.6	2305.0	2685.5	3100.4	3593.2	4123.6	4695.8	5341.9	6044.0	6782.8
32.5°	1748.4	2082.9	2464.4	2884.7	3358.2	3887.8	4469.4	5142.3	5868.4	6642.0	7505.0
30°	1856.2	2218.4	2620.9	3072.3	3605.1	4192.0	4847.5	5579.4	6386.1	7289.5	8258.3
27.5°	1956.6	2346.2	2781.9	3275.2	3843.2	4477.3	5218.3	6034.9	6935.3	7923.4	9006.2
25°	2049.4	2464.4	2930.9	3472.8	4088.2	4782.2	5577.0	6459.9	7470.6	8580.0	9798.6
22.5°	2140.6	2572.9	3067.5	3654.1	4313.3	5076.5	5940.8	6909.5	7996.7	9194.0	10559.4
20°	2229.2	2685.5	3206.5	3822.7	4517.5	5344.0	6272.0	7329.1	8514.7	9843.1	11307.2
17.5°	2308.0	2785.7	3340.5	3990.0	4731.0	5599.7	6577.2	7705.9	8980.8	10428.7	12006.5
15°	2376.9	2873.4	3457.7	4136.6	4924.0	5839.9	6883.0	8078.7	9429.7	10962.2	12628.9
12.5°	2435.5	2948.1	3557.6	4261.7	5088.9	6045.4	7145.0	8404.4	9840.7	11455.5	13232.7
10°	2483.8	3009.6	3640.0	4364.9	5225.0	6215.2	7361.7	8674.0	10181.5	11865.4	13735.5
7.5°	2521.5	3057.7	3704.4	4445.6	5331.6	6348.2	7531.7	8885.8	10449.6	12188.3	14132.3
5°	2548.5	3092.1	3750.6	4503.6	5408.1	6443.8	7653.9	9038.2	10642.7	12421.1	14418.9
2.5°	2564.8	3112.9	3778.4	4538.5	5454.2	6501.4	7727.6	9130.1	10759.2	12561.8	14592.2
0°	2570.2	3119.8	3787.7	4550.1	5469.6	6520.6	7752.2	9160.8	10798.2	12608.8	14650.2
-2.5°	2564.8	3112.9	3778.4	4538.5	5454.2	6501.4	7727.6	9130.1	10759.2	12561.8	14592.2
-5°	2548.5	3092.1	3750.6	4503.6	5408.1	6443.8	7653.9	9038.2	10642.7	12421.1	14418.9
-7.5°	2521.5	3057.7	3704.4	4445.6	5331.6	6348.2	7531.7	8885.8	10449.6	12188.3	14132.3
-10°	2483.8	3009.6	3640.0	4364.9	5225.0	6215.2	7361.7	8674.0	10181.5	11865.4	13735.5
-12.5°	2435.5	2948.1	3557.6	4261.7	5088.9	6045.4	7145.0	8404.4	9840.7	11455.5	13232.7
-15°	2376.9	2873.4	3457.7	4136.6	4924.0	5839.9	6883.0	8078.7	9429.7	10962.2	12628.9
-17.5°	2308.0	2785.7	3340.5	3990.0	4731.0	5599.7	6577.2	7705.9	8980.8	10428.7	12006.5
-20°	2229.2	2685.5	3206.5	3822.7	4517.5	5344.0	6272.0	7329.1	8514.7	9843.1	11307.2



REPORT NUMBER: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2140.6	2572.9	3067.5	3654.1	4313.3	5076.5	5940.8	6909.5	7996.7	9194.0	10559.4
-25°	2049.4	2464.4	2930.9	3472.8	4088.2	4782.2	5577.0	6459.9	7470.6	8580.0	9798.6
-27.5°	1956.6	2346.2	2781.9	3275.2	3843.2	4477.3	5218.3	6034.9	6935.3	7923.4	9006.2
-30°	1856.2	2218.4	2620.9	3072.3	3605.1	4192.0	4847.5	5579.4	6386.1	7289.5	8258.3
-32.5°	1748.4	2082.9	2464.4	2884.7	3358.2	3887.8	4469.4	5142.3	5868.4	6642.0	7505.0
-35°	1640.1	1956.6	2305.0	2685.5	3100.4	3593.2	4123.6	4695.8	5341.9	6044.0	6782.8
-37.5°	1535.7	1823.1	2136.6	2487.7	2873.4	3296.4	3763.8	4282.9	4843.4	5442.6	6103.0
-40°	1425.8	1682.6	1977.6	2295.9	2635.5	3009.6	3431.5	3878.5	4363.3	4892.9	5442.6
-42.5°	1312.3	1555.9	1817.5	2095.7	2411.3	2743.6	3092.1	3499.6	3918.1	4363.3	4843.4
-45°	1206.6	1424.4	1654.9	1915.1	2187.4	2481.2	2798.0	3119.8	3499.6	3878.5	4282.9
-47.5°	1096.7	1292.3	1506.6	1728.6	1974.2	2233.6	2504.6	2798.0	3092.1	3431.5	3763.8
-50°	986.5	1168.0	1353.4	1556.3	1767.7	1994.0	2233.6	2481.2	2743.6	3009.6	3296.4
-52.5°	883.3	1039.8	1211.0	1386.3	1573.0	1767.7	1974.2	2187.4	2411.3	2635.5	2873.4
-55°	777.2	920.7	1068.4	1225.4	1386.3	1556.3	1728.6	1915.1	2095.7	2295.9	2487.7
-57.5°	679.7	802.0	933.2	1068.4	1211.0	1353.4	1506.6	1654.9	1817.5	1977.6	2136.6
-60°	586.6	690.0	802.0	920.7	1039.8	1168.0	1292.3	1424.4	1555.9	1682.6	1823.1
-62.5°	494.7	586.6	679.7	777.2	883.3	986.5	1096.7	1206.6	1312.3	1425.8	1535.7
-65°	415.5	486.4	566.1	648.9	729.5	821.6	912.3	999.9	1094.0	1185.7	1273.2
-67.5°	334.9	398.8	461.4	525.3	597.9	668.3	736.4	814.7	890.2	962.5	1033.9
-70°	268.4	312.7	365.7	420.0	472.7	527.2	587.7	645.9	701.8	758.6	819.6
-72.5°	204.0	242.8	280.7	317.6	362.7	407.4	450.6	492.2	537.2	583.8	628.2
-75°	151.0	173.5	204.8	236.4	267.2	296.9	326.9	362.5	396.6	429.2	460.1
-77.5°	106.6	125.3	143.7	161.5	180.2	205.0	228.9	251.9	274.0	295.0	315.0
-80°	68.9	77.2	91.5	105.8	119.6	133.0	146.0	158.4	170.3	184.4	200.4
-82.5°	44.2	50.4	56.5	62.3	68.0	73.6	79.9	89.2	98.2	106.7	114.7
-85°	21.8	23.6	27.6	31.5	35.3	39.0	42.5	45.9	49.2	52.3	55.2
-87.5°	10.9	11.8	12.7	13.5	14.4	15.2	15.9	16.7	17.4	18.1	18.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701426 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.3	19.9	20.4	20.9	21.4	21.8	22.2	22.5	22.8	23.0	23.2
85°	58.0	60.7	63.1	65.4	67.5	69.4	71.1	72.6	73.9	75.0	76.0
82.5°	122.4	129.6	136.3	142.5	148.2	153.4	158.1	162.3	165.9	169.0	171.5
80°	215.5	229.7	242.9	255.2	266.6	276.9	286.1	294.4	301.6	307.7	312.7
77.5°	337.5	360.4	381.8	401.7	419.9	436.6	451.6	464.9	476.5	486.4	494.4
75°	489.4	518.8	550.4	579.6	606.6	631.1	653.3	672.9	690.0	704.6	716.5
72.5°	670.1	709.6	748.3	789.4	827.3	861.9	893.0	920.7	944.8	965.3	982.1
70°	877.3	931.6	982.5	1032.2	1081.9	1127.1	1168.0	1204.2	1235.9	1262.8	1284.9
67.5°	1108.2	1178.2	1243.8	1304.8	1366.0	1424.4	1477.1	1523.9	1564.7	1599.4	1628.0
65°	1360.5	1449.4	1532.8	1610.4	1682.6	1758.9	1827.8	1889.0	1942.5	1988.0	2025.5
62.5°	1640.1	1748.4	1856.2	1956.6	2049.4	2140.6	2229.2	2308.0	2376.9	2435.5	2483.8
60°	1956.6	2082.9	2218.4	2346.2	2464.4	2572.9	2685.5	2785.7	2873.4	2948.1	3009.6
57.5°	2305.0	2464.4	2620.9	2781.9	2930.9	3067.5	3206.5	3340.5	3457.7	3557.6	3640.0
55°	2685.5	2884.7	3072.3	3275.2	3472.8	3654.1	3822.7	3990.0	4136.6	4261.7	4364.9
52.5°	3100.4	3358.2	3605.1	3843.2	4088.2	4313.3	4517.5	4731.0	4924.0	5088.9	5225.0
50°	3593.2	3887.8	4192.0	4477.3	4782.2	5076.5	5344.0	5599.7	5839.9	6045.4	6215.2
47.5°	4123.6	4469.4	4847.5	5218.3	5577.0	5940.8	6272.0	6577.2	6883.0	7145.0	7361.7
45°	4695.8	5142.3	5579.4	6034.9	6459.9	6909.5	7329.1	7705.9	8078.7	8404.4	8674.0
42.5°	5341.9	5868.4	6386.1	6935.3	7470.6	7996.7	8514.7	8980.8	9429.7	9840.7	10181.5
40°	6044.0	6642.0	7289.5	7923.4	8580.0	9194.0	9843.1	10428.7	10962.2	11455.5	11865.4
37.5°	6782.8	7505.0	8258.3	9006.2	9798.6	10559.4	11307.2	12006.5	12628.9	13232.7	13735.5
35°	7577.3	8427.6	9283.0	10209.9	11114.4	12016.9	12879.5	13730.9	14488.2	15195.1	15799.3
32.5°	8427.6	9384.5	10418.2	11468.7	12501.0	13577.8	14586.9	15594.6	16500.0	17327.1	18055.2
30°	9283.0	10418.2	11587.9	12764.1	14005.2	15226.8	16423.9	17583.5	18668.1	19613.7	20406.3
27.5°	10209.9	11468.7	12764.1	14149.1	15555.3	16936.3	18357.3	19662.7	20835.0	21863.3	22798.5
25°	11114.4	12501.0	14005.2	15555.3	17126.1	18751.7	20274.1	21679.5	23036.8	24247.4	25339.5
22.5°	12016.9	13577.8	15226.8	16936.3	18751.7	20480.8	22130.2	23764.9	25318.9	26758.9	28004.2
20°	12879.5	14586.9	16423.9	18357.3	20274.1	22130.2	24011.8	25882.7	27651.2	29268.7	30657.6
17.5°	13730.9	15594.6	17583.5	19662.7	21679.5	23764.9	25882.7	27960.4	29924.4	31664.7	33172.9
15°	14488.2	16500.0	18668.1	20835.0	23036.8	25318.9	27651.2	29924.4	32010.1	33914.2	35605.0
12.5°	15195.1	17327.1	19613.7	21863.3	24247.4	26758.9	29268.7	31664.7	33914.2	36015.7	37710.8
10°	15799.3	18055.2	20406.3	22798.5	25339.5	28004.2	30657.6	33172.9	35605.0	37710.8	39559.1
7.5°	16277.3	18632.7	21037.1	23546.2	26236.7	29023.8	31762.9	34420.7	36921.8	39129.5	40984.1
5°	16623.1	19051.5	21495.8	24091.8	26894.3	29775.4	32584.0	35357.8	37878.7	40153.3	42049.9
2.5°	16832.5	19305.4	21774.4	24424.0	27296.0	30236.6	33090.7	35940.7	38481.2	40763.7	42687.6
0°	16902.6	19390.5	21867.9	24535.6	27431.2	30392.1	33262.1	36138.8	38687.3	40965.2	42907.2
-2.5°	16832.5	19305.4	21774.4	24424.0	27296.0	30236.6	33090.7	35940.7	38481.2	40763.7	42687.6
-5°	16623.1	19051.5	21495.8	24091.8	26894.3	29775.4	32584.0	35357.8	37878.7	40153.3	42049.9
-7.5°	16277.3	18632.7	21037.1	23546.2	26236.7	29023.8	31762.9	34420.7	36921.8	39129.5	40984.1
-10°	15799.3	18055.2	20406.3	22798.5	25339.5	28004.2	30657.6	33172.9	35605.0	37710.8	39559.1
-12.5°	15195.1	17327.1	19613.7	21863.3	24247.4	26758.9	29268.7	31664.7	33914.2	36015.7	37710.8
-15°	14488.2	16500.0	18668.1	20835.0	23036.8	25318.9	27651.2	29924.4	32010.1	33914.2	35605.0
-17.5°	13730.9	15594.6	17583.5	19662.7	21679.5	23764.9	25882.7	27960.4	29924.4	31664.7	33172.9
-20°	12879.5	14586.9	16423.9	18357.3	20274.1	22130.2	24011.8	25882.7	27651.2	29268.7	30657.6



REPORT NUMBER: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12016.9	13577.8	15226.8	16936.3	18751.7	20480.8	22130.2	23764.9	25318.9	26758.9	28004.2
-25°	11114.4	12501.0	14005.2	15555.3	17126.1	18751.7	20274.1	21679.5	23036.8	24247.4	25339.5
-27.5°	10209.9	11468.7	12764.1	14149.1	15555.3	16936.3	18357.3	19662.7	20835.0	21863.3	22798.5
-30°	9283.0	10418.2	11587.9	12764.1	14005.2	15226.8	16423.9	17583.5	18668.1	19613.7	20406.3
-32.5°	8427.6	9384.5	10418.2	11468.7	12501.0	13577.8	14586.9	15594.6	16500.0	17327.1	18055.2
-35°	7577.3	8427.6	9283.0	10209.9	11114.4	12016.9	12879.5	13730.9	14488.2	15195.1	15799.3
-37.5°	6782.8	7505.0	8258.3	9006.2	9798.6	10559.4	11307.2	12006.5	12628.9	13232.7	13735.5
-40°	6044.0	6642.0	7289.5	7923.4	8580.0	9194.0	9843.1	10428.7	10962.2	11455.5	11865.4
-42.5°	5341.9	5868.4	6386.1	6935.3	7470.6	7996.7	8514.7	8980.8	9429.7	9840.7	10181.5
-45°	4695.8	5142.3	5579.4	6034.9	6459.9	6909.5	7329.1	7705.9	8078.7	8404.4	8674.0
-47.5°	4123.6	4469.4	4847.5	5218.3	5577.0	5940.8	6272.0	6577.2	6883.0	7145.0	7361.7
-50°	3593.2	3887.8	4192.0	4477.3	4782.2	5076.5	5344.0	5599.7	5839.9	6045.4	6215.2
-52.5°	3100.4	3358.2	3605.1	3843.2	4088.2	4313.3	4517.5	4731.0	4924.0	5088.9	5225.0
-55°	2685.5	2884.7	3072.3	3275.2	3472.8	3654.1	3822.7	3990.0	4136.6	4261.7	4364.9
-57.5°	2305.0	2464.4	2620.9	2781.9	2930.9	3067.5	3206.5	3340.5	3457.7	3557.6	3640.0
-60°	1956.6	2082.9	2218.4	2346.2	2464.4	2572.9	2685.5	2785.7	2873.4	2948.1	3009.6
-62.5°	1640.1	1748.4	1856.2	1956.6	2049.4	2140.6	2229.2	2308.0	2376.9	2435.5	2483.8
-65°	1360.5	1449.4	1532.8	1610.4	1682.6	1758.9	1827.8	1889.0	1942.5	1988.0	2025.5
-67.5°	1108.2	1178.2	1243.8	1304.8	1366.0	1424.4	1477.1	1523.9	1564.7	1599.4	1628.0
-70°	877.3	931.6	982.5	1032.2	1081.9	1127.1	1168.0	1204.2	1235.9	1262.8	1284.9
-72.5°	670.1	709.6	748.3	789.4	827.3	861.9	893.0	920.7	944.8	965.3	982.1
-75°	489.4	518.8	550.4	579.6	606.6	631.1	653.3	672.9	690.0	704.6	716.5
-77.5°	337.5	360.4	381.8	401.7	419.9	436.6	451.6	464.9	476.5	486.4	494.4
-80°	215.5	229.7	242.9	255.2	266.6	276.9	286.1	294.4	301.6	307.7	312.7
-82.5°	122.4	129.6	136.3	142.5	148.2	153.4	158.1	162.3	165.9	169.0	171.5
-85°	58.0	60.7	63.1	65.4	67.5	69.4	71.1	72.6	73.9	75.0	76.0
-87.5°	19.3	19.9	20.4	20.9	21.4	21.8	22.2	22.5	22.8	23.0	23.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.4	23.5	23.6	23.6	23.6	23.5	23.4	23.2	23.0	22.8	22.5
85°	76.7	77.2	77.5	77.6	77.5	77.2	76.7	76.0	75.0	73.9	72.6
82.5°	173.5	174.9	175.7	176.0	175.7	174.9	173.5	171.5	169.0	165.9	162.3
80°	316.6	319.4	321.0	321.6	321.0	319.4	316.6	312.7	307.7	301.6	294.4
77.5°	500.8	505.3	508.0	508.9	508.0	505.3	500.8	494.4	486.4	476.5	464.9
75°	725.9	732.5	736.6	737.9	736.6	732.5	725.9	716.5	704.6	690.0	672.9
72.5°	995.2	1004.7	1010.3	1012.2	1010.3	1004.7	995.2	982.1	965.3	944.8	920.7
70°	1302.1	1314.5	1321.9	1324.4	1321.9	1314.5	1302.1	1284.9	1262.8	1235.9	1204.2
67.5°	1650.3	1666.3	1675.9	1679.1	1675.9	1666.3	1650.3	1628.0	1599.4	1564.7	1523.9
65°	2054.7	2075.7	2088.3	2092.5	2088.3	2075.7	2054.7	2025.5	1988.0	1942.5	1889.0
62.5°	2521.5	2548.5	2564.8	2570.2	2564.8	2548.5	2521.5	2483.8	2435.5	2376.9	2308.0
60°	3057.7	3092.1	3112.9	3119.8	3112.9	3092.1	3057.7	3009.6	2948.1	2873.4	2785.7
57.5°	3704.4	3750.6	3778.4	3787.7	3778.4	3750.6	3704.4	3640.0	3557.6	3457.7	3340.5
55°	4445.6	4503.6	4538.5	4550.1	4538.5	4503.6	4445.6	4364.9	4261.7	4136.6	3990.0
52.5°	5331.6	5408.1	5454.2	5469.6	5454.2	5408.1	5331.6	5225.0	5088.9	4924.0	4731.0
50°	6348.2	6443.8	6501.4	6520.6	6501.4	6443.8	6348.2	6215.2	6045.4	5839.9	5599.7
47.5°	7531.7	7653.9	7727.6	7752.2	7727.6	7653.9	7531.7	7361.7	7145.0	6883.0	6577.2
45°	8885.8	9038.2	9130.1	9160.8	9130.1	9038.2	8885.8	8674.0	8404.4	8078.7	7705.9
42.5°	10449.6	10642.7	10759.2	10798.2	10759.2	10642.7	10449.6	10181.5	9840.7	9429.7	8980.8
40°	12188.3	12421.1	12561.8	12608.8	12561.8	12421.1	12188.3	11865.4	11455.5	10962.2	10428.7
37.5°	14132.3	14418.9	14592.2	14650.2	14592.2	14418.9	14132.3	13735.5	13232.7	12628.9	12006.5
35°	16277.3	16623.1	16832.5	16902.6	16832.5	16623.1	16277.3	15799.3	15195.1	14488.2	13730.9
32.5°	18632.7	19051.5	19305.4	19390.5	19305.4	19051.5	18632.7	18055.2	17327.1	16500.0	15594.6
30°	21037.1	21495.8	21774.4	21867.9	21774.4	21495.8	21037.1	20406.3	19613.7	18668.1	17583.5
27.5°	23546.2	24091.8	24424.0	24535.6	24424.0	24091.8	23546.2	22798.5	21863.3	20835.0	19662.7
25°	26236.7	26894.3	27296.0	27431.2	27296.0	26894.3	26236.7	25339.5	24247.4	23036.8	21679.5
22.5°	29023.8	29775.4	30236.6	30392.1	30236.6	29775.4	29023.8	28004.2	26758.9	25318.9	23764.9
20°	31762.9	32584.0	33090.7	33262.1	33090.7	32584.0	31762.9	30657.6	29268.7	27651.2	25882.7
17.5°	34420.7	35357.8	35940.7	36138.8	35940.7	35357.8	34420.7	33172.9	31664.7	29924.4	27960.4
15°	36921.8	37878.7	38481.2	38687.3	38481.2	37878.7	36921.8	35605.0	33914.2	32010.1	29924.4
12.5°	39129.5	40153.3	40763.7	40965.2	40763.7	40153.3	39129.5	37710.8	36015.7	33914.2	31664.7
10°	40984.1	42049.9	42687.6	42907.2	42687.6	42049.9	40984.1	39559.1	37710.8	35605.0	33172.9
7.5°	42480.9	43566.4	44241.0	44458.2	44241.0	43566.4	42480.9	40984.1	39129.5	36921.8	34420.7
5°	43566.4	44691.5	45344.5	45586.2	45344.5	44691.5	43566.4	42049.9	40153.3	37878.7	35357.8
2.5°	44241.0	45344.5	46024.6	46255.5	46024.6	45344.5	44241.0	42687.6	40763.7	38481.2	35940.7
0°	44458.2	45586.2	46255.5	46514.2	46255.5	45586.2	44458.2	42907.2	40965.2	38687.3	36138.8
-2.5°	44241.0	45344.5	46024.6	46255.5	46024.6	45344.5	44241.0	42687.6	40763.7	38481.2	35940.7
-5°	43566.4	44691.5	45344.5	45586.2	45344.5	44691.5	43566.4	42049.9	40153.3	37878.7	35357.8
-7.5°	42480.9	43566.4	44241.0	44458.2	44241.0	43566.4	42480.9	40984.1	39129.5	36921.8	34420.7
-10°	40984.1	42049.9	42687.6	42907.2	42687.6	42049.9	40984.1	39559.1	37710.8	35605.0	33172.9
-12.5°	39129.5	40153.3	40763.7	40965.2	40763.7	40153.3	39129.5	37710.8	36015.7	33914.2	31664.7
-15°	36921.8	37878.7	38481.2	38687.3	38481.2	37878.7	36921.8	35605.0	33914.2	32010.1	29924.4
-17.5°	34420.7	35357.8	35940.7	36138.8	35940.7	35357.8	34420.7	33172.9	31664.7	29924.4	27960.4
-20°	31762.9	32584.0	33090.7	33262.1	33090.7	32584.0	31762.9	30657.6	29268.7	27651.2	25882.7



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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°	29023.8	29775.4	30236.6	30392.1	30236.6	29775.4	29023.8	28004.2	26758.9	25318.9	23764.9
-25°	26236.7	26894.3	27296.0	27431.2	27296.0	26894.3	26236.7	25339.5	24247.4	23036.8	21679.5
-27.5°	23546.2	24091.8	24424.0	24535.6	24424.0	24091.8	23546.2	22798.5	21863.3	20835.0	19662.7
-30°	21037.1	21495.8	21774.4	21867.9	21774.4	21495.8	21037.1	20406.3	19613.7	18668.1	17583.5
-32.5°	18632.7	19051.5	19305.4	19390.5	19305.4	19051.5	18632.7	18055.2	17327.1	16500.0	15594.6
-35°	16277.3	16623.1	16832.5	16902.6	16832.5	16623.1	16277.3	15799.3	15195.1	14488.2	13730.9
-37.5°	14132.3	14418.9	14592.2	14650.2	14592.2	14418.9	14132.3	13735.5	13232.7	12628.9	12006.5
-40°	12188.3	12421.1	12561.8	12608.8	12561.8	12421.1	12188.3	11865.4	11455.5	10962.2	10428.7
-42.5°	10449.6	10642.7	10759.2	10798.2	10759.2	10642.7	10449.6	10181.5	9840.7	9429.7	8980.8
-45°	8885.8	9038.2	9130.1	9160.8	9130.1	9038.2	8885.8	8674.0	8404.4	8078.7	7705.9
-47.5°	7531.7	7653.9	7727.6	7752.2	7727.6	7653.9	7531.7	7361.7	7145.0	6883.0	6577.2
-50°	6348.2	6443.8	6501.4	6520.6	6501.4	6443.8	6348.2	6215.2	6045.4	5839.9	5599.7
-52.5°	5331.6	5408.1	5454.2	5469.6	5454.2	5408.1	5331.6	5225.0	5088.9	4924.0	4731.0
-55°	4445.6	4503.6	4538.5	4550.1	4538.5	4503.6	4445.6	4364.9	4261.7	4136.6	3990.0
-57.5°	3704.4	3750.6	3778.4	3787.7	3778.4	3750.6	3704.4	3640.0	3557.6	3457.7	3340.5
-60°	3057.7	3092.1	3112.9	3119.8	3112.9	3092.1	3057.7	3009.6	2948.1	2873.4	2785.7
-62.5°	2521.5	2548.5	2564.8	2570.2	2564.8	2548.5	2521.5	2483.8	2435.5	2376.9	2308.0
-65°	2054.7	2075.7	2088.3	2092.5	2088.3	2075.7	2054.7	2025.5	1988.0	1942.5	1889.0
-67.5°	1650.3	1666.3	1675.9	1679.1	1675.9	1666.3	1650.3	1628.0	1599.4	1564.7	1523.9
-70°	1302.1	1314.5	1321.9	1324.4	1321.9	1314.5	1302.1	1284.9	1262.8	1235.9	1204.2
-72.5°	995.2	1004.7	1010.3	1012.2	1010.3	1004.7	995.2	982.1	965.3	944.8	920.7
-75°	725.9	732.5	736.6	737.9	736.6	732.5	725.9	716.5	704.6	690.0	672.9
-77.5°	500.8	505.3	508.0	508.9	508.0	505.3	500.8	494.4	486.4	476.5	464.9
-80°	316.6	319.4	321.0	321.6	321.0	319.4	316.6	312.7	307.7	301.6	294.4
-82.5°	173.5	174.9	175.7	176.0	175.7	174.9	173.5	171.5	169.0	165.9	162.3
-85°	76.7	77.2	77.5	77.6	77.5	77.2	76.7	76.0	75.0	73.9	72.6
-87.5°	23.4	23.5	23.6	23.6	23.6	23.5	23.4	23.2	23.0	22.8	22.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.2	21.8	21.4	20.9	20.4	19.9	19.3	18.7	18.1	17.4	16.7
85°	71.1	69.4	67.5	65.4	63.1	60.7	58.0	55.2	52.3	49.2	45.9
82.5°	158.1	153.4	148.2	142.5	136.3	129.6	122.4	114.7	106.7	98.2	89.2
80°	286.1	276.9	266.6	255.2	242.9	229.7	215.5	200.4	184.4	170.3	158.4
77.5°	451.6	436.6	419.9	401.7	381.8	360.4	337.5	315.0	295.0	274.0	251.9
75°	653.3	631.1	606.6	579.6	550.4	518.8	489.4	460.1	429.2	396.6	362.5
72.5°	893.0	861.9	827.3	789.4	748.3	709.6	670.1	628.2	583.8	537.2	492.2
70°	1168.0	1127.1	1081.9	1032.2	982.5	931.6	877.3	819.6	758.6	701.8	645.9
67.5°	1477.1	1424.4	1366.0	1304.8	1243.8	1178.2	1108.2	1033.9	962.5	890.2	814.7
65°	1827.8	1758.9	1682.6	1610.4	1532.8	1449.4	1360.5	1273.2	1185.7	1094.0	999.9
62.5°	2229.2	2140.6	2049.4	1956.6	1856.2	1748.4	1640.1	1535.7	1425.8	1312.3	1206.6
60°	2685.5	2572.9	2464.4	2346.2	2218.4	2082.9	1956.6	1823.1	1682.6	1555.9	1424.4
57.5°	3206.5	3067.5	2930.9	2781.9	2620.9	2464.4	2305.0	2136.6	1977.6	1817.5	1654.9
55°	3822.7	3654.1	3472.8	3275.2	3072.3	2884.7	2685.5	2487.7	2295.9	2095.7	1915.1
52.5°	4517.5	4313.3	4088.2	3843.2	3605.1	3358.2	3100.4	2873.4	2635.5	2411.3	2187.4
50°	5344.0	5076.5	4782.2	4477.3	4192.0	3887.8	3593.2	3296.4	3009.6	2743.6	2481.2
47.5°	6272.0	5940.8	5577.0	5218.3	4847.5	4469.4	4123.6	3763.8	3431.5	3092.1	2798.0
45°	7329.1	6909.5	6459.9	6034.9	5579.4	5142.3	4695.8	4282.9	3878.5	3499.6	3119.8
42.5°	8514.7	7996.7	7470.6	6935.3	6386.1	5868.4	5341.9	4843.4	4363.3	3918.1	3499.6
40°	9843.1	9194.0	8580.0	7923.4	7289.5	6642.0	6044.0	5442.6	4892.9	4363.3	3878.5
37.5°	11307.2	10559.4	9798.6	9006.2	8258.3	7505.0	6782.8	6103.0	5442.6	4843.4	4282.9
35°	12879.5	12016.9	11114.4	10209.9	9283.0	8427.6	7577.3	6782.8	6044.0	5341.9	4695.8
32.5°	14586.9	13577.8	12501.0	11468.7	10418.2	9384.5	8427.6	7505.0	6642.0	5868.4	5142.3
30°	16423.9	15226.8	14005.2	12764.1	11587.9	10418.2	9283.0	8258.3	7289.5	6386.1	5579.4
27.5°	18357.3	16936.3	15555.3	14149.1	12764.1	11468.7	10209.9	9006.2	7923.4	6935.3	6034.9
25°	20274.1	18751.7	17126.1	15555.3	14005.2	12501.0	11114.4	9798.6	8580.0	7470.6	6459.9
22.5°	22130.2	20480.8	18751.7	16936.3	15226.8	13577.8	12016.9	10559.4	9194.0	7996.7	6909.5
20°	24011.8	22130.2	20274.1	18357.3	16423.9	14586.9	12879.5	11307.2	9843.1	8514.7	7329.1
17.5°	25882.7	23764.9	21679.5	19662.7	17583.5	15594.6	13730.9	12006.5	10428.7	8980.8	7705.9
15°	27651.2	25318.9	23036.8	20835.0	18668.1	16500.0	14488.2	12628.9	10962.2	9429.7	8078.7
12.5°	29268.7	26758.9	24247.4	21863.3	19613.7	17327.1	15195.1	13232.7	11455.5	9840.7	8404.4
10°	30657.6	28004.2	25339.5	22798.5	20406.3	18055.2	15799.3	13735.5	11865.4	10181.5	8674.0
7.5°	31762.9	29023.8	26236.7	23546.2	21037.1	18632.7	16277.3	14132.3	12188.3	10449.6	8885.8
5°	32584.0	29775.4	26894.3	24091.8	21495.8	19051.5	16623.1	14418.9	12421.1	10642.7	9038.2
2.5°	33090.7	30236.6	27296.0	24424.0	21774.4	19305.4	16832.5	14592.2	12561.8	10759.2	9130.1
0°	33262.1	30392.1	27431.2	24535.6	21867.9	19390.5	16902.6	14650.2	12608.8	10798.2	9160.8
-2.5°	33090.7	30236.6	27296.0	24424.0	21774.4	19305.4	16832.5	14592.2	12561.8	10759.2	9130.1
-5°	32584.0	29775.4	26894.3	24091.8	21495.8	19051.5	16623.1	14418.9	12421.1	10642.7	9038.2
-7.5°	31762.9	29023.8	26236.7	23546.2	21037.1	18632.7	16277.3	14132.3	12188.3	10449.6	8885.8
-10°	30657.6	28004.2	25339.5	22798.5	20406.3	18055.2	15799.3	13735.5	11865.4	10181.5	8674.0
-12.5°	29268.7	26758.9	24247.4	21863.3	19613.7	17327.1	15195.1	13232.7	11455.5	9840.7	8404.4
-15°	27651.2	25318.9	23036.8	20835.0	18668.1	16500.0	14488.2	12628.9	10962.2	9429.7	8078.7
-17.5°	25882.7	23764.9	21679.5	19662.7	17583.5	15594.6	13730.9	12006.5	10428.7	8980.8	7705.9
-20°	24011.8	22130.2	20274.1	18357.3	16423.9	14586.9	12879.5	11307.2	9843.1	8514.7	7329.1



REPORT NUMBER: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-HEG-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	22130.2	20480.8	18751.7	16936.3	15226.8	13577.8	12016.9	10559.4	9194.0	7996.7	6909.5
-25°	20274.1	18751.7	17126.1	15555.3	14005.2	12501.0	11114.4	9798.6	8580.0	7470.6	6459.9
-27.5°	18357.3	16936.3	15555.3	14149.1	12764.1	11468.7	10209.9	9006.2	7923.4	6935.3	6034.9
-30°	16423.9	15226.8	14005.2	12764.1	11587.9	10418.2	9283.0	8258.3	7289.5	6386.1	5579.4
-32.5°	14586.9	13577.8	12501.0	11468.7	10418.2	9384.5	8427.6	7505.0	6642.0	5868.4	5142.3
-35°	12879.5	12016.9	11114.4	10209.9	9283.0	8427.6	7577.3	6782.8	6044.0	5341.9	4695.8
-37.5°	11307.2	10559.4	9798.6	9006.2	8258.3	7505.0	6782.8	6103.0	5442.6	4843.4	4282.9
-40°	9843.1	9194.0	8580.0	7923.4	7289.5	6642.0	6044.0	5442.6	4892.9	4363.3	3878.5
-42.5°	8514.7	7996.7	7470.6	6935.3	6386.1	5868.4	5341.9	4843.4	4363.3	3918.1	3499.6
-45°	7329.1	6909.5	6459.9	6034.9	5579.4	5142.3	4695.8	4282.9	3878.5	3499.6	3119.8
-47.5°	6272.0	5940.8	5577.0	5218.3	4847.5	4469.4	4123.6	3763.8	3431.5	3092.1	2798.0
-50°	5344.0	5076.5	4782.2	4477.3	4192.0	3887.8	3593.2	3296.4	3009.6	2743.6	2481.2
-52.5°	4517.5	4313.3	4088.2	3843.2	3605.1	3358.2	3100.4	2873.4	2635.5	2411.3	2187.4
-55°	3822.7	3654.1	3472.8	3275.2	3072.3	2884.7	2685.5	2487.7	2295.9	2095.7	1915.1
-57.5°	3206.5	3067.5	2930.9	2781.9	2620.9	2464.4	2305.0	2136.6	1977.6	1817.5	1654.9
-60°	2685.5	2572.9	2464.4	2346.2	2218.4	2082.9	1956.6	1823.1	1682.6	1555.9	1424.4
-62.5°	2229.2	2140.6	2049.4	1956.6	1856.2	1748.4	1640.1	1535.7	1425.8	1312.3	1206.6
-65°	1827.8	1758.9	1682.6	1610.4	1532.8	1449.4	1360.5	1273.2	1185.7	1094.0	999.9
-67.5°	1477.1	1424.4	1366.0	1304.8	1243.8	1178.2	1108.2	1033.9	962.5	890.2	814.7
-70°	1168.0	1127.1	1081.9	1032.2	982.5	931.6	877.3	819.6	758.6	701.8	645.9
-72.5°	893.0	861.9	827.3	789.4	748.3	709.6	670.1	628.2	583.8	537.2	492.2
-75°	653.3	631.1	606.6	579.6	550.4	518.8	489.4	460.1	429.2	396.6	362.5
-77.5°	451.6	436.6	419.9	401.7	381.8	360.4	337.5	315.0	295.0	274.0	251.9
-80°	286.1	276.9	266.6	255.2	242.9	229.7	215.5	200.4	184.4	170.3	158.4
-82.5°	158.1	153.4	148.2	142.5	136.3	129.6	122.4	114.7	106.7	98.2	89.2
-85°	71.1	69.4	67.5	65.4	63.1	60.7	58.0	55.2	52.3	49.2	45.9
-87.5°	22.2	21.8	21.4	20.9	20.4	19.9	19.3	18.7	18.1	17.4	16.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-HEG-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	15.2	14.4	13.5	12.7	11.8	10.9	10.0	9.0	8.1	7.1
85°	42.5	39.0	35.3	31.5	27.6	23.6	21.8	19.9	18.0	16.1	14.2
82.5°	79.9	73.6	68.0	62.3	56.5	50.4	44.2	37.9	31.4	24.9	21.2
80°	146.0	133.0	119.6	105.8	91.5	77.2	68.9	60.5	51.9	43.1	34.3
77.5°	228.9	205.0	180.2	161.5	143.7	125.3	106.6	87.4	72.2	61.3	50.2
75°	326.9	296.9	267.2	236.4	204.8	173.5	151.0	128.0	104.5	80.7	66.0
72.5°	450.6	407.4	362.7	317.6	280.7	242.8	204.0	168.2	140.9	113.1	85.0
70°	587.7	527.2	472.7	420.0	365.7	312.7	268.4	223.2	177.2	145.2	113.1
67.5°	736.4	668.3	597.9	525.3	461.4	398.8	334.9	281.3	229.6	177.2	140.9
65°	912.3	821.6	729.5	648.9	566.1	486.4	415.5	343.2	281.3	223.2	168.2
62.5°	1096.7	986.5	883.3	777.2	679.7	586.6	494.7	415.5	334.9	268.4	204.0
60°	1292.3	1168.0	1039.8	920.7	802.0	690.0	586.6	486.4	398.8	312.7	242.8
57.5°	1506.6	1353.4	1211.0	1068.4	933.2	802.0	679.7	566.1	461.4	365.7	280.7
55°	1728.6	1556.3	1386.3	1225.4	1068.4	920.7	777.2	648.9	525.3	420.0	317.6
52.5°	1974.2	1767.7	1573.0	1386.3	1211.0	1039.8	883.3	729.5	597.9	472.7	362.7
50°	2233.6	1994.0	1767.7	1556.3	1353.4	1168.0	986.5	821.6	668.3	527.2	407.4
47.5°	2504.6	2233.6	1974.2	1728.6	1506.6	1292.3	1096.7	912.3	736.4	587.7	450.6
45°	2798.0	2481.2	2187.4	1915.1	1654.9	1424.4	1206.6	999.9	814.7	645.9	492.2
42.5°	3092.1	2743.6	2411.3	2095.7	1817.5	1555.9	1312.3	1094.0	890.2	701.8	537.2
40°	3431.5	3009.6	2635.5	2295.9	1977.6	1682.6	1425.8	1185.7	962.5	758.6	583.8
37.5°	3763.8	3296.4	2873.4	2487.7	2136.6	1823.1	1535.7	1273.2	1033.9	819.6	628.2
35°	4123.6	3593.2	3100.4	2685.5	2305.0	1956.6	1640.1	1360.5	1108.2	877.3	670.1
32.5°	4469.4	3887.8	3358.2	2884.7	2464.4	2082.9	1748.4	1449.4	1178.2	931.6	709.6
30°	4847.5	4192.0	3605.1	3072.3	2620.9	2218.4	1856.2	1532.8	1243.8	982.5	748.3
27.5°	5218.3	4477.3	3843.2	3275.2	2781.9	2346.2	1956.6	1610.4	1304.8	1032.2	789.4
25°	5577.0	4782.2	4088.2	3472.8	2930.9	2464.4	2049.4	1682.6	1366.0	1081.9	827.3
22.5°	5940.8	5076.5	4313.3	3654.1	3067.5	2572.9	2140.6	1758.9	1424.4	1127.1	861.9
20°	6272.0	5344.0	4517.5	3822.7	3206.5	2685.5	2229.2	1827.8	1477.1	1168.0	893.0
17.5°	6577.2	5599.7	4731.0	3990.0	3340.5	2785.7	2308.0	1889.0	1523.9	1204.2	920.7
15°	6883.0	5839.9	4924.0	4136.6	3457.7	2873.4	2376.9	1942.5	1564.7	1235.9	944.8
12.5°	7145.0	6045.4	5088.9	4261.7	3557.6	2948.1	2435.5	1988.0	1599.4	1262.8	965.3
10°	7361.7	6215.2	5225.0	4364.9	3640.0	3009.6	2483.8	2025.5	1628.0	1284.9	982.1
7.5°	7531.7	6348.2	5331.6	4445.6	3704.4	3057.7	2521.5	2054.7	1650.3	1302.1	995.2
5°	7653.9	6443.8	5408.1	4503.6	3750.6	3092.1	2548.5	2075.7	1666.3	1314.5	1004.7
2.5°	7727.6	6501.4	5454.2	4538.5	3778.4	3112.9	2564.8	2088.3	1675.9	1321.9	1010.3
0°	7752.2	6520.6	5469.6	4550.1	3787.7	3119.8	2570.2	2092.5	1679.1	1324.4	1012.2
-2.5°	7727.6	6501.4	5454.2	4538.5	3778.4	3112.9	2564.8	2088.3	1675.9	1321.9	1010.3
-5°	7653.9	6443.8	5408.1	4503.6	3750.6	3092.1	2548.5	2075.7	1666.3	1314.5	1004.7
-7.5°	7531.7	6348.2	5331.6	4445.6	3704.4	3057.7	2521.5	2054.7	1650.3	1302.1	995.2
-10°	7361.7	6215.2	5225.0	4364.9	3640.0	3009.6	2483.8	2025.5	1628.0	1284.9	982.1
-12.5°	7145.0	6045.4	5088.9	4261.7	3557.6	2948.1	2435.5	1988.0	1599.4	1262.8	965.3
-15°	6883.0	5839.9	4924.0	4136.6	3457.7	2873.4	2376.9	1942.5	1564.7	1235.9	944.8
-17.5°	6577.2	5599.7	4731.0	3990.0	3340.5	2785.7	2308.0	1889.0	1523.9	1204.2	920.7
-20°	6272.0	5344.0	4517.5	3822.7	3206.5	2685.5	2229.2	1827.8	1477.1	1168.0	893.0



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5940.8	5076.5	4313.3	3654.1	3067.5	2572.9	2140.6	1758.9	1424.4	1127.1	861.9
-25°	5577.0	4782.2	4088.2	3472.8	2930.9	2464.4	2049.4	1682.6	1366.0	1081.9	827.3
-27.5°	5218.3	4477.3	3843.2	3275.2	2781.9	2346.2	1956.6	1610.4	1304.8	1032.2	789.4
-30°	4847.5	4192.0	3605.1	3072.3	2620.9	2218.4	1856.2	1532.8	1243.8	982.5	748.3
-32.5°	4469.4	3887.8	3358.2	2884.7	2464.4	2082.9	1748.4	1449.4	1178.2	931.6	709.6
-35°	4123.6	3593.2	3100.4	2685.5	2305.0	1956.6	1640.1	1360.5	1108.2	877.3	670.1
-37.5°	3763.8	3296.4	2873.4	2487.7	2136.6	1823.1	1535.7	1273.2	1033.9	819.6	628.2
-40°	3431.5	3009.6	2635.5	2295.9	1977.6	1682.6	1425.8	1185.7	962.5	758.6	583.8
-42.5°	3092.1	2743.6	2411.3	2095.7	1817.5	1555.9	1312.3	1094.0	890.2	701.8	537.2
-45°	2798.0	2481.2	2187.4	1915.1	1654.9	1424.4	1206.6	999.9	814.7	645.9	492.2
-47.5°	2504.6	2233.6	1974.2	1728.6	1506.6	1292.3	1096.7	912.3	736.4	587.7	450.6
-50°	2233.6	1994.0	1767.7	1556.3	1353.4	1168.0	986.5	821.6	668.3	527.2	407.4
-52.5°	1974.2	1767.7	1573.0	1386.3	1211.0	1039.8	883.3	729.5	597.9	472.7	362.7
-55°	1728.6	1556.3	1386.3	1225.4	1068.4	920.7	777.2	648.9	525.3	420.0	317.6
-57.5°	1506.6	1353.4	1211.0	1068.4	933.2	802.0	679.7	566.1	461.4	365.7	280.7
-60°	1292.3	1168.0	1039.8	920.7	802.0	690.0	586.6	486.4	398.8	312.7	242.8
-62.5°	1096.7	986.5	883.3	777.2	679.7	586.6	494.7	415.5	334.9	268.4	204.0
-65°	912.3	821.6	729.5	648.9	566.1	486.4	415.5	343.2	281.3	223.2	168.2
-67.5°	736.4	668.3	597.9	525.3	461.4	398.8	334.9	281.3	229.6	177.2	140.9
-70°	587.7	527.2	472.7	420.0	365.7	312.7	268.4	223.2	177.2	145.2	113.1
-72.5°	450.6	407.4	362.7	317.6	280.7	242.8	204.0	168.2	140.9	113.1	85.0
-75°	326.9	296.9	267.2	236.4	204.8	173.5	151.0	128.0	104.5	80.7	66.0
-77.5°	228.9	205.0	180.2	161.5	143.7	125.3	106.6	87.4	72.2	61.3	50.2
-80°	146.0	133.0	119.6	105.8	91.5	77.2	68.9	60.5	51.9	43.1	34.3
-82.5°	79.9	73.6	68.0	62.3	56.5	50.4	44.2	37.9	31.4	24.9	21.2
-85°	42.5	39.0	35.3	31.5	27.6	23.6	21.8	19.9	18.0	16.1	14.2
-87.5°	15.9	15.2	14.4	13.5	12.7	11.8	10.9	10.0	9.0	8.1	7.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701426 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	5.1	4.1	3.1	2.1	1.0	0.0
85°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
82.5°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
80°	25.2	20.3	16.3	12.3	8.2	4.1	0.0
77.5°	39.0	27.6	20.3	15.3	10.2	5.1	0.0
75°	52.6	39.0	25.2	18.3	12.2	6.1	0.0
72.5°	66.0	50.2	34.3	21.2	14.2	7.1	0.0
70°	80.7	61.3	43.1	24.9	16.1	8.1	0.0
67.5°	104.5	72.2	51.9	31.4	18.0	9.0	0.0
65°	128.0	87.4	60.5	37.9	19.9	10.0	0.0
62.5°	151.0	106.6	68.9	44.2	21.8	10.9	0.0
60°	173.5	125.3	77.2	50.4	23.6	11.8	0.0
57.5°	204.8	143.7	91.5	56.5	27.6	12.7	0.0
55°	236.4	161.5	105.8	62.3	31.5	13.5	0.0
52.5°	267.2	180.2	119.6	68.0	35.3	14.4	0.0
50°	296.9	205.0	133.0	73.6	39.0	15.2	0.0
47.5°	326.9	228.9	146.0	79.9	42.5	15.9	0.0
45°	362.5	251.9	158.4	89.2	45.9	16.7	0.0
42.5°	396.6	274.0	170.3	98.2	49.2	17.4	0.0
40°	429.2	295.0	184.4	106.7	52.3	18.1	0.0
37.5°	460.1	315.0	200.4	114.7	55.2	18.7	0.0
35°	489.4	337.5	215.5	122.4	58.0	19.3	0.0
32.5°	518.8	360.4	229.7	129.6	60.7	19.9	0.0
30°	550.4	381.8	242.9	136.3	63.1	20.4	0.0
27.5°	579.6	401.7	255.2	142.5	65.4	20.9	0.0
25°	606.6	419.9	266.6	148.2	67.5	21.4	0.0
22.5°	631.1	436.6	276.9	153.4	69.4	21.8	0.0
20°	653.3	451.6	286.1	158.1	71.1	22.2	0.0
17.5°	672.9	464.9	294.4	162.3	72.6	22.5	0.0
15°	690.0	476.5	301.6	165.9	73.9	22.8	0.0
12.5°	704.6	486.4	307.7	169.0	75.0	23.0	0.0
10°	716.5	494.4	312.7	171.5	76.0	23.2	0.0
7.5°	725.9	500.8	316.6	173.5	76.7	23.4	0.0
5°	732.5	505.3	319.4	174.9	77.2	23.5	0.0
2.5°	736.6	508.0	321.0	175.7	77.5	23.6	0.0
0°	737.9	508.9	321.6	176.0	77.6	23.6	0.0
-2.5°	736.6	508.0	321.0	175.7	77.5	23.6	0.0
-5°	732.5	505.3	319.4	174.9	77.2	23.5	0.0
-7.5°	725.9	500.8	316.6	173.5	76.7	23.4	0.0
-10°	716.5	494.4	312.7	171.5	76.0	23.2	0.0
-12.5°	704.6	486.4	307.7	169.0	75.0	23.0	0.0
-15°	690.0	476.5	301.6	165.9	73.9	22.8	0.0
-17.5°	672.9	464.9	294.4	162.3	72.6	22.5	0.0
-20°	653.3	451.6	286.1	158.1	71.1	22.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	631.1	436.6	276.9	153.4	69.4	21.8	0.0
-25°	606.6	419.9	266.6	148.2	67.5	21.4	0.0
-27.5°	579.6	401.7	255.2	142.5	65.4	20.9	0.0
-30°	550.4	381.8	242.9	136.3	63.1	20.4	0.0
-32.5°	518.8	360.4	229.7	129.6	60.7	19.9	0.0
-35°	489.4	337.5	215.5	122.4	58.0	19.3	0.0
-37.5°	460.1	315.0	200.4	114.7	55.2	18.7	0.0
-40°	429.2	295.0	184.4	106.7	52.3	18.1	0.0
-42.5°	396.6	274.0	170.3	98.2	49.2	17.4	0.0
-45°	362.5	251.9	158.4	89.2	45.9	16.7	0.0
-47.5°	326.9	228.9	146.0	79.9	42.5	15.9	0.0
-50°	296.9	205.0	133.0	73.6	39.0	15.2	0.0
-52.5°	267.2	180.2	119.6	68.0	35.3	14.4	0.0
-55°	236.4	161.5	105.8	62.3	31.5	13.5	0.0
-57.5°	204.8	143.7	91.5	56.5	27.6	12.7	0.0
-60°	173.5	125.3	77.2	50.4	23.6	11.8	0.0
-62.5°	151.0	106.6	68.9	44.2	21.8	10.9	0.0
-65°	128.0	87.4	60.5	37.9	19.9	10.0	0.0
-67.5°	104.5	72.2	51.9	31.4	18.0	9.0	0.0
-70°	80.7	61.3	43.1	24.9	16.1	8.1	0.0
-72.5°	66.0	50.2	34.3	21.2	14.2	7.1	0.0
-75°	52.6	39.0	25.2	18.3	12.2	6.1	0.0
-77.5°	39.0	27.6	20.3	15.3	10.2	5.1	0.0
-80°	25.2	20.3	16.3	12.3	8.2	4.1	0.0
-82.5°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
-85°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
-87.5°	6.1	5.1	4.1	3.1	2.1	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

