

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: P701419 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-5S-HEG-S**

Issue Date: 8/15/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701419 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/15/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-70-5S-HEG-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

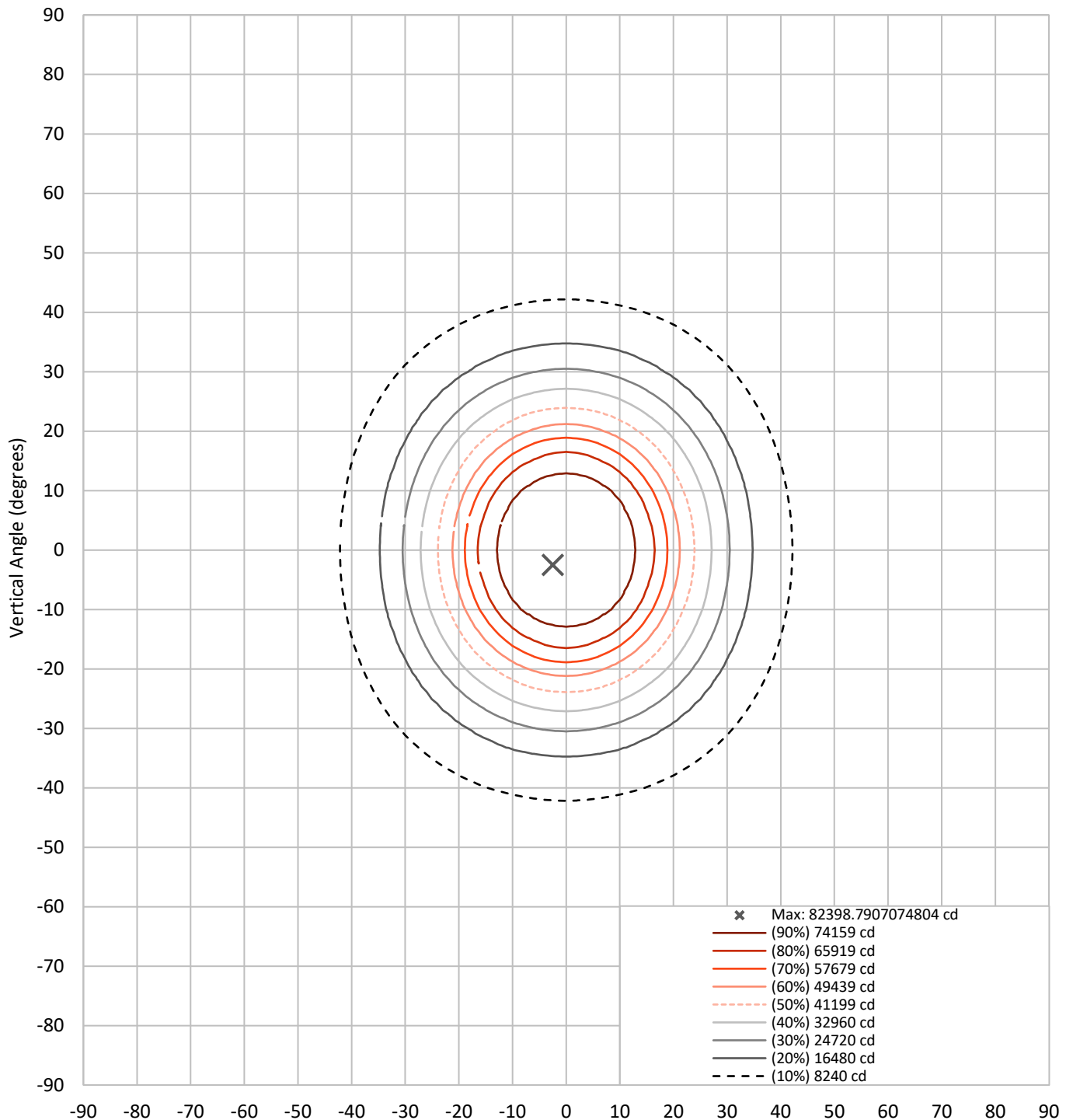
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	60228.5 lumens	Max Intensity:	82398.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	175.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	33788.2 lumens	Field Lumens:	56118.1 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

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





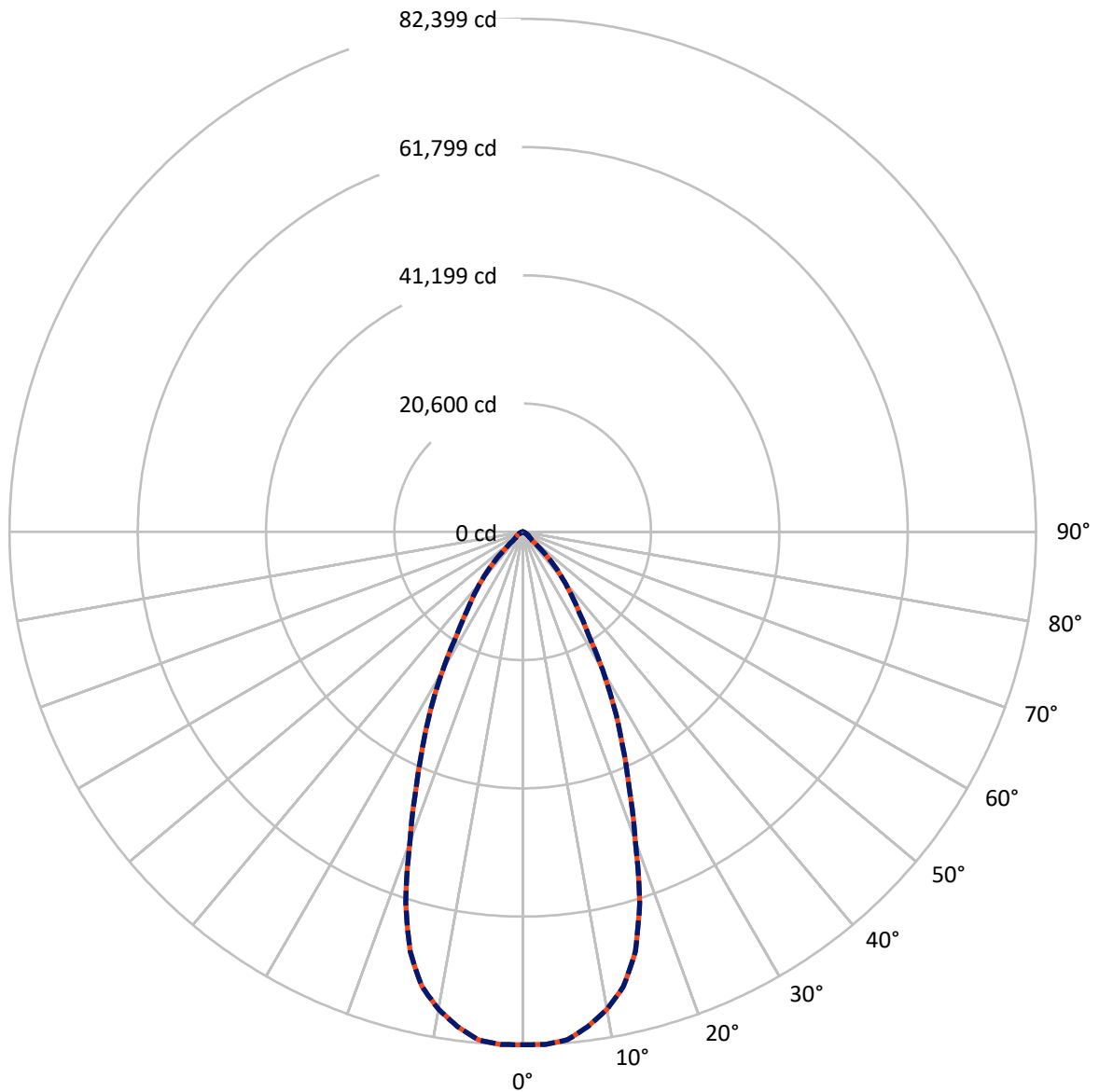
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### Lumen Table

90																
80	0.1	0.6		1.9		4.1		5.2		4.1		1.9		0.6		0.1
70																
60	0.3	0.3	1.0	2.6	5.3	8.7	11.8	13.5	13.5	11.8	8.7	5.3	2.6	1.0	0.3	0.3
50		0.8	3.0	8.3	16.2	24.7	31.2	34.6	34.6	31.2	24.7	16.2	8.3	3.0	0.8	
40	0.6	1.6	6.8	17.2	29.7	53.6	109.2	153.7	153.7	109.2	53.6	29.7	17.2	6.8	1.6	0.6
30		2.9	11.5	25.7	74.8	226.3	382.0	489.5	489.5	382.0	226.3	74.8	25.7	11.5	2.9	
20	1.1	4.2	15.9	42.3	205.6	467.8	837.1	1123.6	1123.6	837.1	467.8	205.6	42.3	15.9	4.2	1.1
10		5.3	18.7	81.8	326.1	787.8	1464.0	1994.5	1994.5	1464.0	787.8	326.1	81.8	18.7	5.3	
0	1.4	6.0	20.2	111.9	405.8	1026.5	1936.4	2417.2	2417.2	1936.4	1026.5	405.8	111.9	20.2	6.0	1.4
-10		6.0	20.2	111.9	405.8	1026.5	1936.4	2417.2	2417.2	1936.4	1026.5	405.8	111.9	20.2	6.0	
-20	1.1	5.3	18.7	81.8	326.1	787.8	1464.0	1994.5	1994.5	1464.0	787.8	326.1	81.8	18.7	5.3	1.1
-30		4.2	15.9	42.3	205.6	467.8	837.1	1123.6	1123.6	837.1	467.8	205.6	42.3	15.9	4.2	
-40	0.6	2.9	11.5	25.7	74.8	226.3	382.0	489.5	489.5	382.0	226.3	74.8	25.7	11.5	2.9	0.6
-50		1.6	6.8	17.2	29.7	53.6	109.2	153.7	153.7	109.2	53.6	29.7	17.2	6.8	1.6	
-60	0.3	0.8	3.0	8.3	16.2	24.7	31.2	34.6	34.6	31.2	24.7	16.2	8.3	3.0	0.8	0.3
-70		0.3	1.0	2.6	5.3	8.7	11.8	13.5	13.5	11.8	8.7	5.3	2.6	1.0	0.3	
-80																
-90	0.1	0.6		1.9		4.1		5.2		4.1		1.9		0.6		0.1

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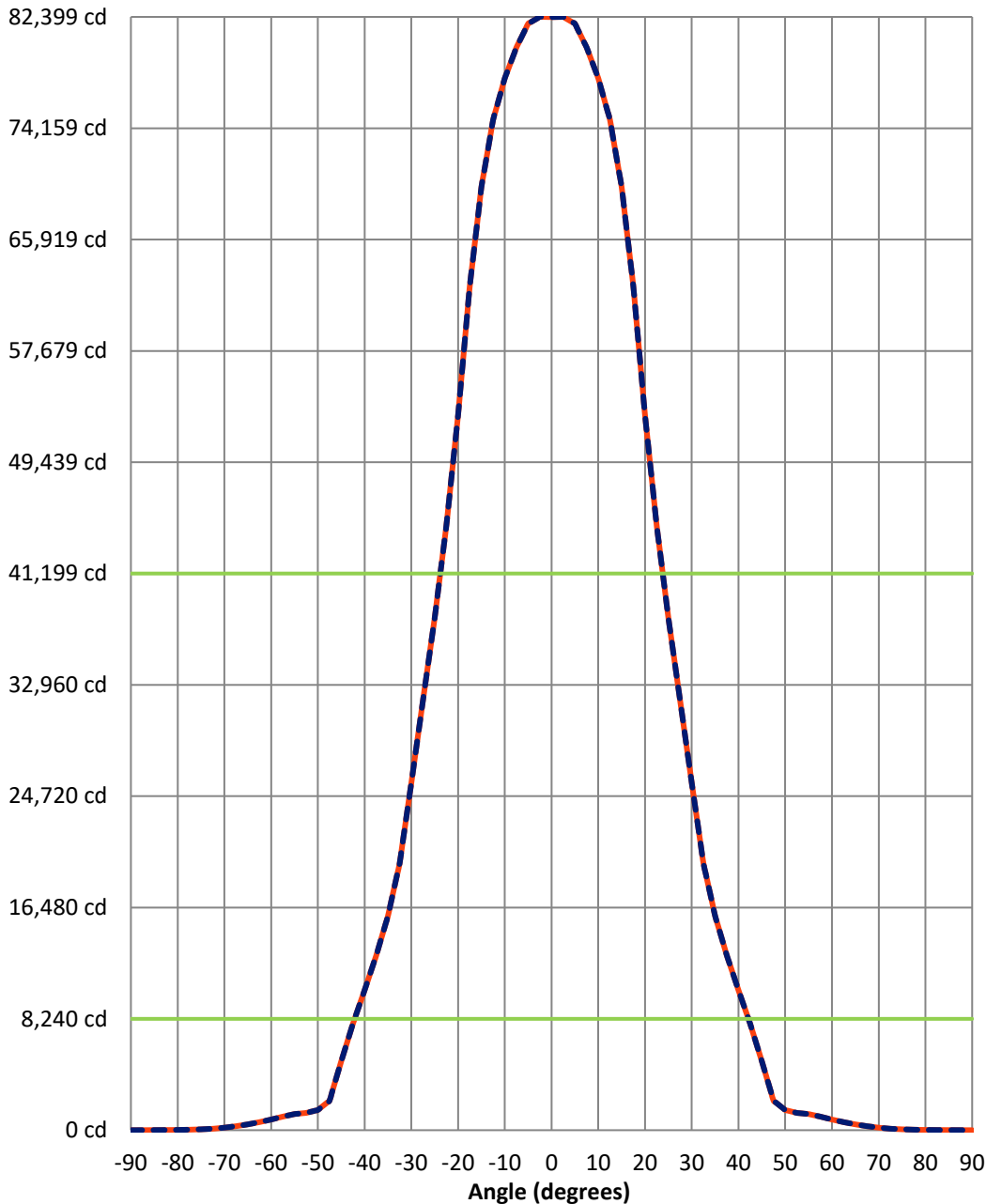
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 47.6°  
 V Angle: 47.6°  
 Lumens: 33788.2  
 Efficiency: 56.1%

**Field:**  
 H Angle: 84.3°  
 V Angle: 84.3°  
 Lumens: 56118.1  
 Efficiency: 93.2%

**Spill:**  
 Lumens: 4110.4  
 Efficiency: 6.8%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through -2.5-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	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.4	6.1	6.7
77.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.8	7.6	8.5
75°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.1	8.2	9.4	10.6
72.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.1	8.4	9.8	11.2	12.6
70°	0.0	1.4	2.7	4.1	5.4	6.8	8.2	9.8	11.4	13.1	15.3
67.5°	0.0	1.5	3.1	4.6	6.1	7.6	9.4	11.2	13.1	15.6	18.1
65°	0.0	1.7	3.4	5.1	6.7	8.5	10.6	12.6	15.3	18.1	21.8
62.5°	0.0	1.8	3.7	5.5	7.4	9.5	11.7	14.3	17.4	21.1	28.0
60°	0.0	2.0	4.0	6.0	8.0	10.4	12.9	16.2	19.6	26.6	34.1
57.5°	0.0	2.1	4.3	6.4	8.7	11.4	14.4	18.0	23.8	31.9	43.2
55°	0.0	2.3	4.6	6.9	9.4	12.3	15.9	19.8	28.4	38.1	53.7
52.5°	0.0	2.4	4.9	7.3	10.1	13.2	17.4	23.5	32.9	47.3	63.9
50°	0.0	2.6	5.1	7.7	10.8	14.4	18.8	27.3	38.3	56.2	77.8
47.5°	0.0	2.7	5.4	8.1	11.5	15.5	20.4	31.0	46.0	64.8	91.7
45°	0.0	2.8	5.7	8.6	12.1	16.6	23.5	34.6	53.3	76.8	105.1
42.5°	0.0	2.9	5.9	9.0	12.7	17.7	26.4	39.6	60.4	88.3	128.0
40°	0.0	3.1	6.1	9.5	13.4	18.7	29.2	45.5	68.2	99.4	151.5
37.5°	0.0	3.2	6.3	9.9	14.2	19.7	31.8	51.1	77.5	112.6	173.9
35°	0.0	3.3	6.6	10.3	14.9	21.4	34.3	56.4	86.3	131.6	198.1
32.5°	0.0	3.4	6.7	10.6	15.6	23.3	37.3	61.4	94.7	149.5	225.4
30°	0.0	3.5	6.9	11.0	16.2	25.1	41.2	66.6	102.5	166.3	251.0
27.5°	0.0	3.5	7.1	11.3	16.8	26.8	45.0	72.9	112.1	182.0	274.9
25°	0.0	3.6	7.2	11.6	17.4	28.4	48.4	78.7	124.8	199.8	297.1
22.5°	0.0	3.7	7.4	11.9	17.8	29.8	51.5	84.0	136.4	217.7	322.2
20°	0.0	3.8	7.5	12.1	18.3	31.1	54.3	88.8	146.9	233.9	344.9
17.5°	0.0	3.8	7.6	12.3	18.7	32.2	56.8	93.0	156.2	248.3	365.1
15°	0.0	3.9	7.7	12.5	19.0	33.2	58.9	96.7	164.3	260.8	382.7
12.5°	0.0	3.9	7.8	12.6	19.3	34.1	60.8	99.8	171.2	271.5	397.6
10°	0.0	3.9	7.9	12.8	19.6	34.8	62.3	102.4	176.9	280.3	410.0
7.5°	0.0	4.0	7.9	12.9	19.8	35.3	63.5	104.4	181.3	287.2	419.6
5°	0.0	4.0	8.0	12.9	19.9	35.7	64.3	105.8	184.5	292.1	426.5
2.5°	0.0	4.0	8.0	13.0	20.0	35.9	64.8	106.7	186.4	295.0	430.6
0°	0.0	4.0	8.0	13.0	20.0	36.0	65.0	107.0	187.0	296.0	432.0
-2.5°	0.0	4.0	8.0	13.0	20.0	36.0	65.0	107.0	187.0	296.0	432.0
-5°	0.0	4.0	8.0	12.9	19.9	35.7	64.3	105.8	184.5	292.1	426.5
-7.5°	0.0	4.0	7.9	12.9	19.8	35.3	63.5	104.4	181.3	287.2	419.6
-10°	0.0	3.9	7.9	12.8	19.6	34.8	62.3	102.4	176.9	280.3	410.0
-12.5°	0.0	3.9	7.8	12.6	19.3	34.1	60.8	99.8	171.2	271.5	397.6
-15°	0.0	3.9	7.7	12.5	19.0	33.2	58.9	96.7	164.3	260.8	382.7
-17.5°	0.0	3.8	7.6	12.3	18.7	32.2	56.8	93.0	156.2	248.3	365.1
-20°	0.0	3.8	7.5	12.1	18.3	31.1	54.3	88.8	146.9	233.9	344.9



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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	3.7	7.4	11.9	17.8	29.8	51.5	84.0	136.4	217.7	322.2
-25°	0.0	3.6	7.2	11.6	17.4	28.4	48.4	78.7	124.8	199.8	297.1
-27.5°	0.0	3.5	7.1	11.3	16.8	26.8	45.0	72.9	112.1	182.0	274.9
-30°	0.0	3.5	6.9	11.0	16.2	25.1	41.2	66.6	102.5	166.3	251.0
-32.5°	0.0	3.4	6.7	10.6	15.6	23.3	37.3	61.4	94.7	149.5	225.4
-35°	0.0	3.3	6.6	10.3	14.9	21.4	34.3	56.4	86.3	131.6	198.1
-37.5°	0.0	3.2	6.3	9.9	14.2	19.7	31.8	51.1	77.5	112.6	173.9
-40°	0.0	3.1	6.1	9.5	13.4	18.7	29.2	45.5	68.2	99.4	151.5
-42.5°	0.0	2.9	5.9	9.0	12.7	17.7	26.4	39.6	60.4	88.3	128.0
-45°	0.0	2.8	5.7	8.6	12.1	16.6	23.5	34.6	53.3	76.8	105.1
-47.5°	0.0	2.7	5.4	8.1	11.5	15.5	20.4	31.0	46.0	64.8	91.7
-50°	0.0	2.6	5.1	7.7	10.8	14.4	18.8	27.3	38.3	56.2	77.8
-52.5°	0.0	2.4	4.9	7.3	10.1	13.2	17.4	23.5	32.9	47.3	63.9
-55°	0.0	2.3	4.6	6.9	9.4	12.3	15.9	19.8	28.4	38.1	53.7
-57.5°	0.0	2.1	4.3	6.4	8.7	11.4	14.4	18.0	23.8	31.9	43.2
-60°	0.0	2.0	4.0	6.0	8.0	10.4	12.9	16.2	19.6	26.6	34.1
-62.5°	0.0	1.8	3.7	5.5	7.4	9.5	11.7	14.3	17.4	21.1	28.0
-65°	0.0	1.7	3.4	5.1	6.7	8.5	10.6	12.6	15.3	18.1	21.8
-67.5°	0.0	1.5	3.1	4.6	6.1	7.6	9.4	11.2	13.1	15.6	18.1
-70°	0.0	1.4	2.7	4.1	5.4	6.8	8.2	9.8	11.4	13.1	15.3
-72.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.1	8.4	9.8	11.2	12.6
-75°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.1	8.2	9.4	10.6
-77.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.8	7.6	8.5
-80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.4	6.1	6.7
-82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
-87.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-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°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
85°	3.7	4.0	4.3	4.6	4.9	5.1	5.4	5.7	5.9	6.1	6.3
82.5°	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.6	9.0	9.5	9.9
80°	7.4	8.0	8.7	9.4	10.1	10.8	11.5	12.1	12.7	13.4	14.2
77.5°	9.5	10.4	11.4	12.3	13.2	14.4	15.5	16.6	17.7	18.7	19.7
75°	11.7	12.9	14.4	15.9	17.4	18.8	20.4	23.5	26.4	29.2	31.8
72.5°	14.3	16.2	18.0	19.8	23.5	27.3	31.0	34.6	39.6	45.5	51.1
70°	17.4	19.6	23.8	28.4	32.9	38.3	46.0	53.3	60.4	68.2	77.5
67.5°	21.1	26.6	31.9	38.1	47.3	56.2	64.8	76.8	88.3	99.4	112.6
65°	28.0	34.1	43.2	53.7	63.9	77.8	91.7	105.1	128.0	151.5	173.9
62.5°	34.8	45.8	57.6	71.0	87.3	103.1	128.7	156.8	183.9	218.2	251.9
60°	45.8	58.9	74.8	93.0	114.1	146.9	178.8	217.7	258.1	297.1	343.4
57.5°	57.6	74.8	94.9	121.4	157.9	195.9	243.0	288.6	341.5	394.2	447.3
55°	71.0	93.0	121.4	161.6	206.0	258.3	312.3	373.7	433.1	502.7	569.3
52.5°	87.3	114.1	157.9	206.0	263.4	325.1	393.1	465.0	542.8	620.8	703.9
50°	103.1	146.9	195.9	258.3	325.1	399.6	481.0	567.1	658.6	751.5	847.6
47.5°	128.7	178.8	243.0	312.3	393.1	481.0	575.2	677.6	780.3	891.7	1000.2
45°	156.8	217.7	288.6	373.7	465.0	567.1	677.6	790.0	914.0	1030.4	1130.1
42.5°	183.9	258.1	341.5	433.1	542.8	658.6	780.3	914.0	1040.2	1149.9	1222.8
40°	218.2	297.1	394.2	502.7	620.8	751.5	891.7	1030.4	1149.9	1227.3	1277.5
37.5°	251.9	343.4	447.3	569.3	703.9	847.6	1000.2	1130.1	1222.8	1277.5	1411.4
35°	284.0	387.3	505.8	638.3	783.2	944.5	1090.8	1209.3	1268.3	1399.2	1647.3
32.5°	318.8	428.8	561.2	707.9	867.8	1032.7	1176.1	1250.1	1362.7	1567.1	2058.3
30°	354.3	475.8	615.7	773.4	948.4	1107.7	1223.2	1302.8	1470.1	1935.6	3262.4
27.5°	387.3	520.2	672.0	840.7	1021.7	1178.1	1257.0	1397.3	1734.0	2558.7	4834.2
25°	417.8	561.2	724.0	905.2	1082.1	1217.2	1302.3	1485.4	2038.7	3938.6	6241.5
22.5°	448.7	598.9	771.7	964.4	1137.6	1244.1	1377.7	1719.4	2712.9	5215.4	7532.8
20°	479.5	638.3	818.3	1016.6	1188.0	1268.5	1446.4	1958.2	3801.3	6317.1	8636.9
17.5°	506.9	673.3	862.0	1057.9	1212.5	1307.0	1530.2	2172.6	4780.8	7311.0	9597.2
15°	530.8	703.9	900.3	1094.0	1230.2	1356.8	1704.3	2885.1	5615.4	8163.3	10449.6
12.5°	551.2	730.0	932.9	1124.9	1245.2	1399.4	1853.4	3569.4	6312.9	8840.6	11215.0
10°	568.0	751.5	959.8	1150.3	1257.7	1434.6	1976.7	4136.1	6891.5	9403.4	11852.5
7.5°	581.1	768.3	980.8	1170.2	1267.4	1462.2	2073.5	4581.1	7346.4	9846.7	12355.5
5°	590.5	780.3	995.9	1184.5	1274.4	1482.1	2143.1	4901.3	7674.2	10166.4	12718.9
2.5°	596.1	787.6	1005.0	1193.1	1278.6	1494.0	2185.0	5094.5	7872.0	10359.5	12938.6
0°	598.0	790.0	1008.0	1196.0	1280.0	1498.0	2199.0	5159.0	7938.1	10424.1	13012.1
-2.5°	596.1	787.6	1005.0	1193.1	1278.6	1494.0	2185.0	5094.5	7872.0	10359.5	12938.6
-5°	590.5	780.3	995.9	1184.5	1274.4	1482.1	2143.1	4901.3	7674.2	10166.4	12718.9
-7.5°	581.1	768.3	980.8	1170.2	1267.4	1462.2	2073.5	4581.1	7346.4	9846.7	12355.5
-10°	568.0	751.5	959.8	1150.3	1257.7	1434.6	1976.7	4136.1	6891.5	9403.4	11852.5
-12.5°	551.2	730.0	932.9	1124.9	1245.2	1399.4	1853.4	3569.4	6312.9	8840.6	11215.0
-15°	530.8	703.9	900.3	1094.0	1230.2	1356.8	1704.3	2885.1	5615.4	8163.3	10449.6
-17.5°	506.9	673.3	862.0	1057.9	1212.5	1307.0	1530.2	2172.6	4780.8	7311.0	9597.2
-20°	479.5	638.3	818.3	1016.6	1188.0	1268.5	1446.4	1958.2	3801.3	6317.1	8636.9



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	448.7	598.9	771.7	964.4	1137.6	1244.1	1377.7	1719.4	2712.9	5215.4	7532.8
-25°	417.8	561.2	724.0	905.2	1082.1	1217.2	1302.3	1485.4	2038.7	3938.6	6241.5
-27.5°	387.3	520.2	672.0	840.7	1021.7	1178.1	1257.0	1397.3	1734.0	2558.7	4834.2
-30°	354.3	475.8	615.7	773.4	948.4	1107.7	1223.2	1302.8	1470.1	1935.6	3262.4
-32.5°	318.8	428.8	561.2	707.9	867.8	1032.7	1176.1	1250.1	1362.7	1567.1	2058.3
-35°	284.0	387.3	505.8	638.3	783.2	944.5	1090.8	1209.3	1268.3	1399.2	1647.3
-37.5°	251.9	343.4	447.3	569.3	703.9	847.6	1000.2	1130.1	1222.8	1277.5	1411.4
-40°	218.2	297.1	394.2	502.7	620.8	751.5	891.7	1030.4	1149.9	1227.3	1277.5
-42.5°	183.9	258.1	341.5	433.1	542.8	658.6	780.3	914.0	1040.2	1149.9	1222.8
-45°	156.8	217.7	288.6	373.7	465.0	567.1	677.6	790.0	914.0	1030.4	1130.1
-47.5°	128.7	178.8	243.0	312.3	393.1	481.0	575.2	677.6	780.3	891.7	1000.2
-50°	103.1	146.9	195.9	258.3	325.1	399.6	481.0	567.1	658.6	751.5	847.6
-52.5°	87.3	114.1	157.9	206.0	263.4	325.1	393.1	465.0	542.8	620.8	703.9
-55°	71.0	93.0	121.4	161.6	206.0	258.3	312.3	373.7	433.1	502.7	569.3
-57.5°	57.6	74.8	94.9	121.4	157.9	195.9	243.0	288.6	341.5	394.2	447.3
-60°	45.8	58.9	74.8	93.0	114.1	146.9	178.8	217.7	258.1	297.1	343.4
-62.5°	34.8	45.8	57.6	71.0	87.3	103.1	128.7	156.8	183.9	218.2	251.9
-65°	28.0	34.1	43.2	53.7	63.9	77.8	91.7	105.1	128.0	151.5	173.9
-67.5°	21.1	26.6	31.9	38.1	47.3	56.2	64.8	76.8	88.3	99.4	112.6
-70°	17.4	19.6	23.8	28.4	32.9	38.3	46.0	53.3	60.4	68.2	77.5
-72.5°	14.3	16.2	18.0	19.8	23.5	27.3	31.0	34.6	39.6	45.5	51.1
-75°	11.7	12.9	14.4	15.9	17.4	18.8	20.4	23.5	26.4	29.2	31.8
-77.5°	9.5	10.4	11.4	12.3	13.2	14.4	15.5	16.6	17.7	18.7	19.7
-80°	7.4	8.0	8.7	9.4	10.1	10.8	11.5	12.1	12.7	13.4	14.2
-82.5°	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.6	9.0	9.5	9.9
-85°	3.7	4.0	4.3	4.6	4.9	5.1	5.4	5.7	5.9	6.1	6.3
-87.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-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):**

	-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°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
85°	6.6	6.7	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9
82.5°	10.3	10.6	11.0	11.3	11.6	11.9	12.1	12.3	12.5	12.6	12.8
80°	14.9	15.6	16.2	16.8	17.4	17.8	18.3	18.7	19.0	19.3	19.6
77.5°	21.4	23.3	25.1	26.8	28.4	29.8	31.1	32.2	33.2	34.1	34.8
75°	34.3	37.3	41.2	45.0	48.4	51.5	54.3	56.8	58.9	60.8	62.3
72.5°	56.4	61.4	66.6	72.9	78.7	84.0	88.8	93.0	96.7	99.8	102.4
70°	86.3	94.7	102.5	112.1	124.8	136.4	146.9	156.2	164.3	171.2	176.9
67.5°	131.6	149.5	166.3	182.0	199.8	217.7	233.9	248.3	260.8	271.5	280.3
65°	198.1	225.4	251.0	274.9	297.1	322.2	344.9	365.1	382.7	397.6	410.0
62.5°	284.0	318.8	354.3	387.3	417.8	448.7	479.5	506.9	530.8	551.2	568.0
60°	387.3	428.8	475.8	520.2	561.2	598.9	638.3	673.3	703.9	730.0	751.5
57.5°	505.8	561.2	615.7	672.0	724.0	771.7	818.3	862.0	900.3	932.9	959.8
55°	638.3	707.9	773.4	840.7	905.2	964.4	1016.6	1057.9	1094.0	1124.9	1150.3
52.5°	783.2	867.8	948.4	1021.7	1082.1	1137.6	1188.0	1212.5	1230.2	1245.2	1257.7
50°	944.5	1032.7	1107.7	1178.1	1217.2	1244.1	1268.5	1307.0	1356.8	1399.4	1434.6
47.5°	1090.8	1176.1	1223.2	1257.0	1302.3	1377.7	1446.4	1530.2	1704.3	1853.4	1976.7
45°	1209.3	1250.1	1302.8	1397.3	1485.4	1719.4	1958.2	2172.6	2885.1	3569.4	4136.1
42.5°	1268.3	1362.7	1470.1	1734.0	2038.7	2712.9	3801.3	4780.8	5615.4	6312.9	6891.5
40°	1399.2	1567.1	1935.6	2558.7	3938.6	5215.4	6317.1	7311.0	8163.3	8840.6	9403.4
37.5°	1647.3	2058.3	3262.4	4834.2	6241.5	7532.8	8636.9	9597.2	10449.6	11215.0	11852.5
35°	2099.5	3618.2	5366.5	6939.7	8372.2	9611.4	10767.3	11846.6	12806.7	13722.4	14510.0
32.5°	3618.2	5538.7	7293.1	8858.7	10276.1	11652.5	12931.8	14243.1	15423.3	16619.6	17771.2
30°	5366.5	7293.1	9022.4	10621.0	12194.4	13763.7	15324.1	17025.1	18740.5	20427.8	22361.8
27.5°	6939.7	8858.7	10621.0	12376.9	14191.9	16001.4	18249.0	20547.3	23407.9	25917.0	28077.4
25°	8372.2	10276.1	12194.4	14191.9	16301.6	18872.8	22039.3	25468.4	28627.9	31423.8	33785.8
22.5°	9611.4	11652.5	13763.7	16001.4	18872.8	22543.7	26534.1	30309.3	33742.4	36781.4	39539.2
20°	10767.3	12931.8	15324.1	18249.0	22039.3	26534.1	30879.5	34932.3	38714.5	42494.3	45886.7
17.5°	11846.6	14243.1	17025.1	20547.3	25468.4	30309.3	34932.3	39437.0	44026.4	48797.5	53156.5
15°	12806.7	15423.3	18740.5	23407.9	28627.9	33742.4	38714.5	44026.4	49795.9	55615.3	61322.0
12.5°	13722.4	16619.6	20427.8	25917.0	31423.8	36781.4	42494.3	48797.5	55615.3	62708.1	67611.6
10°	14510.0	17771.2	22361.8	28077.4	33785.8	39539.2	45886.7	53156.5	61322.0	67611.6	72327.9
7.5°	15133.0	18684.6	23900.9	29804.2	35679.3	41921.8	49081.2	57324.8	65358.9	71377.6	75189.7
5°	15583.8	19347.0	25020.2	31064.3	37067.2	43678.4	51454.6	60487.4	68091.0	73568.2	76926.0
2.5°	15856.7	19748.6	25700.1	31831.6	37915.1	44756.0	52919.0	62455.0	69811.1	74781.8	77858.6
0°	15948.1	19883.2	25928.2	32089.3	38200.3	45119.4	53414.4	63123.5	70399.6	75154.6	78177.6
-2.5°	15856.7	19748.6	25700.1	31831.6	37915.1	44756.0	52919.0	62455.0	69811.1	74781.8	77858.6
-5°	15583.8	19347.0	25020.2	31064.3	37067.2	43678.4	51454.6	60487.4	68091.0	73568.2	76926.0
-7.5°	15133.0	18684.6	23900.9	29804.2	35679.3	41921.8	49081.2	57324.8	65358.9	71377.6	75189.7
-10°	14510.0	17771.2	22361.8	28077.4	33785.8	39539.2	45886.7	53156.5	61322.0	67611.6	72327.9
-12.5°	13722.4	16619.6	20427.8	25917.0	31423.8	36781.4	42494.3	48797.5	55615.3	62708.1	67611.6
-15°	12806.7	15423.3	18740.5	23407.9	28627.9	33742.4	38714.5	44026.4	49795.9	55615.3	61322.0
-17.5°	11846.6	14243.1	17025.1	20547.3	25468.4	30309.3	34932.3	39437.0	44026.4	48797.5	53156.5
-20°	10767.3	12931.8	15324.1	18249.0	22039.3	26534.1	30879.5	34932.3	38714.5	42494.3	45886.7



REPORT NUMBER: P701419 (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°
-22.5°	9611.4	11652.5	13763.7	16001.4	18872.8	22543.7	26534.1	30309.3	33742.4	36781.4	39539.2
-25°	8372.2	10276.1	12194.4	14191.9	16301.6	18872.8	22039.3	25468.4	28627.9	31423.8	33785.8
-27.5°	6939.7	8858.7	10621.0	12376.9	14191.9	16001.4	18249.0	20547.3	23407.9	25917.0	28077.4
-30°	5366.5	7293.1	9022.4	10621.0	12194.4	13763.7	15324.1	17025.1	18740.5	20427.8	22361.8
-32.5°	3618.2	5538.7	7293.1	8858.7	10276.1	11652.5	12931.8	14243.1	15423.3	16619.6	17771.2
-35°	2099.5	3618.2	5366.5	6939.7	8372.2	9611.4	10767.3	11846.6	12806.7	13722.4	14510.0
-37.5°	1647.3	2058.3	3262.4	4834.2	6241.5	7532.8	8636.9	9597.2	10449.6	11215.0	11852.5
-40°	1399.2	1567.1	1935.6	2558.7	3938.6	5215.4	6317.1	7311.0	8163.3	8840.6	9403.4
-42.5°	1268.3	1362.7	1470.1	1734.0	2038.7	2712.9	3801.3	4780.8	5615.4	6312.9	6891.5
-45°	1209.3	1250.1	1302.8	1397.3	1485.4	1719.4	1958.2	2172.6	2885.1	3569.4	4136.1
-47.5°	1090.8	1176.1	1223.2	1257.0	1302.3	1377.7	1446.4	1530.2	1704.3	1853.4	1976.7
-50°	944.5	1032.7	1107.7	1178.1	1217.2	1244.1	1268.5	1307.0	1356.8	1399.4	1434.6
-52.5°	783.2	867.8	948.4	1021.7	1082.1	1137.6	1188.0	1212.5	1230.2	1245.2	1257.7
-55°	638.3	707.9	773.4	840.7	905.2	964.4	1016.6	1057.9	1094.0	1124.9	1150.3
-57.5°	505.8	561.2	615.7	672.0	724.0	771.7	818.3	862.0	900.3	932.9	959.8
-60°	387.3	428.8	475.8	520.2	561.2	598.9	638.3	673.3	703.9	730.0	751.5
-62.5°	284.0	318.8	354.3	387.3	417.8	448.7	479.5	506.9	530.8	551.2	568.0
-65°	198.1	225.4	251.0	274.9	297.1	322.2	344.9	365.1	382.7	397.6	410.0
-67.5°	131.6	149.5	166.3	182.0	199.8	217.7	233.9	248.3	260.8	271.5	280.3
-70°	86.3	94.7	102.5	112.1	124.8	136.4	146.9	156.2	164.3	171.2	176.9
-72.5°	56.4	61.4	66.6	72.9	78.7	84.0	88.8	93.0	96.7	99.8	102.4
-75°	34.3	37.3	41.2	45.0	48.4	51.5	54.3	56.8	58.9	60.8	62.3
-77.5°	21.4	23.3	25.1	26.8	28.4	29.8	31.1	32.2	33.2	34.1	34.8
-80°	14.9	15.6	16.2	16.8	17.4	17.8	18.3	18.7	19.0	19.3	19.6
-82.5°	10.3	10.6	11.0	11.3	11.6	11.9	12.1	12.3	12.5	12.6	12.8
-85°	6.6	6.7	6.9	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9
-87.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-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):**

	-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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
85°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
82.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.8	12.6	12.5	12.3
80°	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.6	19.3	19.0	18.7
77.5°	35.3	35.7	35.9	36.0	35.9	35.7	35.3	34.8	34.1	33.2	32.2
75°	63.5	64.3	64.8	65.0	64.8	64.3	63.5	62.3	60.8	58.9	56.8
72.5°	104.4	105.8	106.7	107.0	106.7	105.8	104.4	102.4	99.8	96.7	93.0
70°	181.3	184.5	186.4	187.0	186.4	184.5	181.3	176.9	171.2	164.3	156.2
67.5°	287.2	292.1	295.0	296.0	295.0	292.1	287.2	280.3	271.5	260.8	248.3
65°	419.6	426.5	430.6	432.0	430.6	426.5	419.6	410.0	397.6	382.7	365.1
62.5°	581.1	590.5	596.1	598.0	596.1	590.5	581.1	568.0	551.2	530.8	506.9
60°	768.3	780.3	787.6	790.0	787.6	780.3	768.3	751.5	730.0	703.9	673.3
57.5°	980.8	995.9	1005.0	1008.0	1005.0	995.9	980.8	959.8	932.9	900.3	862.0
55°	1170.2	1184.5	1193.1	1196.0	1193.1	1184.5	1170.2	1150.3	1124.9	1094.0	1057.9
52.5°	1267.4	1274.4	1278.6	1280.0	1278.6	1274.4	1267.4	1257.7	1245.2	1230.2	1212.5
50°	1462.2	1482.1	1494.0	1498.0	1494.0	1482.1	1462.2	1434.6	1399.4	1356.8	1307.0
47.5°	2073.5	2143.1	2185.0	2199.0	2185.0	2143.1	2073.5	1976.7	1853.4	1704.3	1530.2
45°	4581.1	4901.3	5094.5	5159.0	5094.5	4901.3	4581.1	4136.1	3569.4	2885.1	2172.6
42.5°	7346.4	7674.2	7872.0	7938.1	7872.0	7674.2	7346.4	6891.5	6312.9	5615.4	4780.8
40°	9846.7	10166.4	10359.5	10424.1	10359.5	10166.4	9846.7	9403.4	8840.6	8163.3	7311.0
37.5°	12355.5	12718.9	12938.6	13012.1	12938.6	12718.9	12355.5	11852.5	11215.0	10449.6	9597.2
35°	15133.0	15583.8	15856.7	15948.1	15856.7	15583.8	15133.0	14510.0	13722.4	12806.7	11846.6
32.5°	18684.6	19347.0	19748.6	19883.2	19748.6	19347.0	18684.6	17771.2	16619.6	15423.3	14243.1
30°	23900.9	25020.2	25700.1	25928.2	25700.1	25020.2	23900.9	22361.8	20427.8	18740.5	17025.1
27.5°	29804.2	31064.3	31831.6	32089.3	31831.6	31064.3	29804.2	28077.4	25917.0	23407.9	20547.3
25°	35679.3	37067.2	37915.1	38200.3	37915.1	37067.2	35679.3	33785.8	31423.8	28627.9	25468.4
22.5°	41921.8	43678.4	44756.0	45119.4	44756.0	43678.4	41921.8	39539.2	36781.4	33742.4	30309.3
20°	49081.2	51454.6	52919.0	53414.4	52919.0	51454.6	49081.2	45886.7	42494.3	38714.5	34932.3
17.5°	57324.8	60487.4	62455.0	63123.5	62455.0	60487.4	57324.8	53156.5	48797.5	44026.4	39437.0
15°	65358.9	68091.0	69811.1	70399.6	69811.1	68091.0	65358.9	61322.0	55615.3	49795.9	44026.4
12.5°	71377.6	73568.2	74781.8	75154.6	74781.8	73568.2	71377.6	67611.6	62708.1	55615.3	48797.5
10°	75189.7	76926.0	77858.6	78177.6	77858.6	76926.0	75189.7	72327.9	67611.6	61322.0	53156.5
7.5°	77558.4	79174.6	80145.6	80487.7	80145.6	79174.6	77558.4	75189.7	71377.6	65358.9	57324.8
5°	79174.6	80855.2	81897.8	82215.7	81897.8	80855.2	79174.6	76926.0	73568.2	68091.0	60487.4
2.5°	80145.6	81897.8	82398.8	82381.7	82398.8	81897.8	80145.6	77858.6	74781.8	69811.1	62455.0
0°	80487.7	82215.7	82381.7	82063.7	82381.7	82215.7	80487.7	78177.6	75154.6	70399.6	63123.5
-2.5°	80145.6	81897.8	82398.8	82381.7	82398.8	81897.8	80145.6	77858.6	74781.8	69811.1	62455.0
-5°	79174.6	80855.2	81897.8	82215.7	81897.8	80855.2	79174.6	76926.0	73568.2	68091.0	60487.4
-7.5°	77558.4	79174.6	80145.6	80487.7	80145.6	79174.6	77558.4	75189.7	71377.6	65358.9	57324.8
-10°	75189.7	76926.0	77858.6	78177.6	77858.6	76926.0	75189.7	72327.9	67611.6	61322.0	53156.5
-12.5°	71377.6	73568.2	74781.8	75154.6	74781.8	73568.2	71377.6	67611.6	62708.1	55615.3	48797.5
-15°	65358.9	68091.0	69811.1	70399.6	69811.1	68091.0	65358.9	61322.0	55615.3	49795.9	44026.4
-17.5°	57324.8	60487.4	62455.0	63123.5	62455.0	60487.4	57324.8	53156.5	48797.5	44026.4	39437.0
-20°	49081.2	51454.6	52919.0	53414.4	52919.0	51454.6	49081.2	45886.7	42494.3	38714.5	34932.3



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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°	41921.8	43678.4	44756.0	45119.4	44756.0	43678.4	41921.8	39539.2	36781.4	33742.4	30309.3
-25°	35679.3	37067.2	37915.1	38200.3	37915.1	37067.2	35679.3	33785.8	31423.8	28627.9	25468.4
-27.5°	29804.2	31064.3	31831.6	32089.3	31831.6	31064.3	29804.2	28077.4	25917.0	23407.9	20547.3
-30°	23900.9	25020.2	25700.1	25928.2	25700.1	25020.2	23900.9	22361.8	20427.8	18740.5	17025.1
-32.5°	18684.6	19347.0	19748.6	19883.2	19748.6	19347.0	18684.6	17771.2	16619.6	15423.3	14243.1
-35°	15133.0	15583.8	15856.7	15948.1	15856.7	15583.8	15133.0	14510.0	13722.4	12806.7	11846.6
-37.5°	12355.5	12718.9	12938.6	13012.1	12938.6	12718.9	12355.5	11852.5	11215.0	10449.6	9597.2
-40°	9846.7	10166.4	10359.5	10424.1	10359.5	10166.4	9846.7	9403.4	8840.6	8163.3	7311.0
-42.5°	7346.4	7674.2	7872.0	7938.1	7872.0	7674.2	7346.4	6891.5	6312.9	5615.4	4780.8
-45°	4581.1	4901.3	5094.5	5159.0	5094.5	4901.3	4581.1	4136.1	3569.4	2885.1	2172.6
-47.5°	2073.5	2143.1	2185.0	2199.0	2185.0	2143.1	2073.5	1976.7	1853.4	1704.3	1530.2
-50°	1462.2	1482.1	1494.0	1498.0	1494.0	1482.1	1462.2	1434.6	1399.4	1356.8	1307.0
-52.5°	1267.4	1274.4	1278.6	1280.0	1278.6	1274.4	1267.4	1257.7	1245.2	1230.2	1212.5
-55°	1170.2	1184.5	1193.1	1196.0	1193.1	1184.5	1170.2	1150.3	1124.9	1094.0	1057.9
-57.5°	980.8	995.9	1005.0	1008.0	1005.0	995.9	980.8	959.8	932.9	900.3	862.0
-60°	768.3	780.3	787.6	790.0	787.6	780.3	768.3	751.5	730.0	703.9	673.3
-62.5°	581.1	590.5	596.1	598.0	596.1	590.5	581.1	568.0	551.2	530.8	506.9
-65°	419.6	426.5	430.6	432.0	430.6	426.5	419.6	410.0	397.6	382.7	365.1
-67.5°	287.2	292.1	295.0	296.0	295.0	292.1	287.2	280.3	271.5	260.8	248.3
-70°	181.3	184.5	186.4	187.0	186.4	184.5	181.3	176.9	171.2	164.3	156.2
-72.5°	104.4	105.8	106.7	107.0	106.7	105.8	104.4	102.4	99.8	96.7	93.0
-75°	63.5	64.3	64.8	65.0	64.8	64.3	63.5	62.3	60.8	58.9	56.8
-77.5°	35.3	35.7	35.9	36.0	35.9	35.7	35.3	34.8	34.1	33.2	32.2
-80°	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.6	19.3	19.0	18.7
-82.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.8	12.6	12.5	12.3
-85°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.6
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-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°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
85°	7.5	7.4	7.2	7.1	6.9	6.7	6.6	6.3	6.1	5.9	5.7
82.5°	12.1	11.9	11.6	11.3	11.0	10.6	10.3	9.9	9.5	9.0	8.6
80°	18.3	17.8	17.4	16.8	16.2	15.6	14.9	14.2	13.4	12.7	12.1
77.5°	31.1	29.8	28.4	26.8	25.1	23.3	21.4	19.7	18.7	17.7	16.6
75°	54.3	51.5	48.4	45.0	41.2	37.3	34.3	31.8	29.2	26.4	23.5
72.5°	88.8	84.0	78.7	72.9	66.6	61.4	56.4	51.1	45.5	39.6	34.6
70°	146.9	136.4	124.8	112.1	102.5	94.7	86.3	77.5	68.2	60.4	53.3
67.5°	233.9	217.7	199.8	182.0	166.3	149.5	131.6	112.6	99.4	88.3	76.8
65°	344.9	322.2	297.1	274.9	251.0	225.4	198.1	173.9	151.5	128.0	105.1
62.5°	479.5	448.7	417.8	387.3	354.3	318.8	284.0	251.9	218.2	183.9	156.8
60°	638.3	598.9	561.2	520.2	475.8	428.8	387.3	343.4	297.1	258.1	217.7
57.5°	818.3	771.7	724.0	672.0	615.7	561.2	505.8	447.3	394.2	341.5	288.6
55°	1016.6	964.4	905.2	840.7	773.4	707.9	638.3	569.3	502.7	433.1	373.7
52.5°	1188.0	1137.6	1082.1	1021.7	948.4	867.8	783.2	703.9	620.8	542.8	465.0
50°	1268.5	1244.1	1217.2	1178.1	1107.7	1032.7	944.5	847.6	751.5	658.6	567.1
47.5°	1446.4	1377.7	1302.3	1257.0	1223.2	1176.1	1090.8	1000.2	891.7	780.3	677.6
45°	1958.2	1719.4	1485.4	1397.3	1302.8	1250.1	1209.3	1130.1	1030.4	914.0	790.0
42.5°	3801.3	2712.9	2038.7	1734.0	1470.1	1362.7	1268.3	1222.8	1149.9	1040.2	914.0
40°	6317.1	5215.4	3938.6	2558.7	1935.6	1567.1	1399.2	1277.5	1227.3	1149.9	1030.4
37.5°	8636.9	7532.8	6241.5	4834.2	3262.4	2058.3	1647.3	1411.4	1277.5	1222.8	1130.1
35°	10767.3	9611.4	8372.2	6939.7	5366.5	3618.2	2099.5	1647.3	1399.2	1268.3	1209.3
32.5°	12931.8	11652.5	10276.1	8858.7	7293.1	5538.7	3618.2	2058.3	1567.1	1362.7	1250.1
30°	15324.1	13763.7	12194.4	10621.0	9022.4	7293.1	5366.5	3262.4	1935.6	1470.1	1302.8
27.5°	18249.0	16001.4	14191.9	12376.9	10621.0	8858.7	6939.7	4834.2	2558.7	1734.0	1397.3
25°	22039.3	18872.8	16301.6	14191.9	12194.4	10276.1	8372.2	6241.5	3938.6	2038.7	1485.4
22.5°	26534.1	22543.7	18872.8	16001.4	13763.7	11652.5	9611.4	7532.8	5215.4	2712.9	1719.4
20°	30879.5	26534.1	22039.3	18249.0	15324.1	12931.8	10767.3	8636.9	6317.1	3801.3	1958.2
17.5°	34932.3	30309.3	25468.4	20547.3	17025.1	14243.1	11846.6	9597.2	7311.0	4780.8	2172.6
15°	38714.5	33742.4	28627.9	23407.9	18740.5	15423.3	12806.7	10449.6	8163.3	5615.4	2885.1
12.5°	42494.3	36781.4	31423.8	25917.0	20427.8	16619.6	13722.4	11215.0	8840.6	6312.9	3569.4
10°	45886.7	39539.2	33785.8	28077.4	22361.8	17771.2	14510.0	11852.5	9403.4	6891.5	4136.1
7.5°	49081.2	41921.8	35679.3	29804.2	23900.9	18684.6	15133.0	12355.5	9846.7	7346.4	4581.1
5°	51454.6	43678.4	37067.2	31064.3	25020.2	19347.0	15583.8	12718.9	10166.4	7674.2	4901.3
2.5°	52919.0	44756.0	37915.1	31831.6	25700.1	19748.6	15856.7	12938.6	10359.5	7872.0	5094.5
0°	53414.4	45119.4	38200.3	32089.3	25928.2	19883.2	15948.1	13012.1	10424.1	7938.1	5159.0
-2.5°	52919.0	44756.0	37915.1	31831.6	25700.1	19748.6	15856.7	12938.6	10359.5	7872.0	5094.5
-5°	51454.6	43678.4	37067.2	31064.3	25020.2	19347.0	15583.8	12718.9	10166.4	7674.2	4901.3
-7.5°	49081.2	41921.8	35679.3	29804.2	23900.9	18684.6	15133.0	12355.5	9846.7	7346.4	4581.1
-10°	45886.7	39539.2	33785.8	28077.4	22361.8	17771.2	14510.0	11852.5	9403.4	6891.5	4136.1
-12.5°	42494.3	36781.4	31423.8	25917.0	20427.8	16619.6	13722.4	11215.0	8840.6	6312.9	3569.4
-15°	38714.5	33742.4	28627.9	23407.9	18740.5	15423.3	12806.7	10449.6	8163.3	5615.4	2885.1
-17.5°	34932.3	30309.3	25468.4	20547.3	17025.1	14243.1	11846.6	9597.2	7311.0	4780.8	2172.6
-20°	30879.5	26534.1	22039.3	18249.0	15324.1	12931.8	10767.3	8636.9	6317.1	3801.3	1958.2



REPORT NUMBER: P701419 (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°	26534.1	22543.7	18872.8	16001.4	13763.7	11652.5	9611.4	7532.8	5215.4	2712.9	1719.4
-25°	22039.3	18872.8	16301.6	14191.9	12194.4	10276.1	8372.2	6241.5	3938.6	2038.7	1485.4
-27.5°	18249.0	16001.4	14191.9	12376.9	10621.0	8858.7	6939.7	4834.2	2558.7	1734.0	1397.3
-30°	15324.1	13763.7	12194.4	10621.0	9022.4	7293.1	5366.5	3262.4	1935.6	1470.1	1302.8
-32.5°	12931.8	11652.5	10276.1	8858.7	7293.1	5538.7	3618.2	2058.3	1567.1	1362.7	1250.1
-35°	10767.3	9611.4	8372.2	6939.7	5366.5	3618.2	2099.5	1647.3	1399.2	1268.3	1209.3
-37.5°	8636.9	7532.8	6241.5	4834.2	3262.4	2058.3	1647.3	1411.4	1277.5	1222.8	1130.1
-40°	6317.1	5215.4	3938.6	2558.7	1935.6	1567.1	1399.2	1277.5	1227.3	1149.9	1030.4
-42.5°	3801.3	2712.9	2038.7	1734.0	1470.1	1362.7	1268.3	1222.8	1149.9	1040.2	914.0
-45°	1958.2	1719.4	1485.4	1397.3	1302.8	1250.1	1209.3	1130.1	1030.4	914.0	790.0
-47.5°	1446.4	1377.7	1302.3	1257.0	1223.2	1176.1	1090.8	1000.2	891.7	780.3	677.6
-50°	1268.5	1244.1	1217.2	1178.1	1107.7	1032.7	944.5	847.6	751.5	658.6	567.1
-52.5°	1188.0	1137.6	1082.1	1021.7	948.4	867.8	783.2	703.9	620.8	542.8	465.0
-55°	1016.6	964.4	905.2	840.7	773.4	707.9	638.3	569.3	502.7	433.1	373.7
-57.5°	818.3	771.7	724.0	672.0	615.7	561.2	505.8	447.3	394.2	341.5	288.6
-60°	638.3	598.9	561.2	520.2	475.8	428.8	387.3	343.4	297.1	258.1	217.7
-62.5°	479.5	448.7	417.8	387.3	354.3	318.8	284.0	251.9	218.2	183.9	156.8
-65°	344.9	322.2	297.1	274.9	251.0	225.4	198.1	173.9	151.5	128.0	105.1
-67.5°	233.9	217.7	199.8	182.0	166.3	149.5	131.6	112.6	99.4	88.3	76.8
-70°	146.9	136.4	124.8	112.1	102.5	94.7	86.3	77.5	68.2	60.4	53.3
-72.5°	88.8	84.0	78.7	72.9	66.6	61.4	56.4	51.1	45.5	39.6	34.6
-75°	54.3	51.5	48.4	45.0	41.2	37.3	34.3	31.8	29.2	26.4	23.5
-77.5°	31.1	29.8	28.4	26.8	25.1	23.3	21.4	19.7	18.7	17.7	16.6
-80°	18.3	17.8	17.4	16.8	16.2	15.6	14.9	14.2	13.4	12.7	12.1
-82.5°	12.1	11.9	11.6	11.3	11.0	10.6	10.3	9.9	9.5	9.0	8.6
-85°	7.5	7.4	7.2	7.1	6.9	6.7	6.6	6.3	6.1	5.9	5.7
-87.5°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-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):**

	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°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
85°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.4
82.5°	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1	4.6	4.1	3.6
80°	11.5	10.8	10.1	9.4	8.7	8.0	7.4	6.7	6.1	5.4	4.8
77.5°	15.5	14.4	13.2	12.3	11.4	10.4	9.5	8.5	7.6	6.8	6.0
75°	20.4	18.8	17.4	15.9	14.4	12.9	11.7	10.6	9.4	8.2	7.1
72.5°	31.0	27.3	23.5	19.8	18.0	16.2	14.3	12.6	11.2	9.8	8.4
70°	46.0	38.3	32.9	28.4	23.8	19.6	17.4	15.3	13.1	11.4	9.8
67.5°	64.8	56.2	47.3	38.1	31.9	26.6	21.1	18.1	15.6	13.1	11.2
65°	91.7	77.8	63.9	53.7	43.2	34.1	28.0	21.8	18.1	15.3	12.6
62.5°	128.7	103.1	87.3	71.0	57.6	45.8	34.8	28.0	21.1	17.4	14.3
60°	178.8	146.9	114.1	93.0	74.8	58.9	45.8	34.1	26.6	19.6	16.2
57.5°	243.0	195.9	157.9	121.4	94.9	74.8	57.6	43.2	31.9	23.8	18.0
55°	312.3	258.3	206.0	161.6	121.4	93.0	71.0	53.7	38.1	28.4	19.8
52.5°	393.1	325.1	263.4	206.0	157.9	114.1	87.3	63.9	47.3	32.9	23.5
50°	481.0	399.6	325.1	258.3	195.9	146.9	103.1	77.8	56.2	38.3	27.3
47.5°	575.2	481.0	393.1	312.3	243.0	178.8	128.7	91.7	64.8	46.0	31.0
45°	677.6	567.1	465.0	373.7	288.6	217.7	156.8	105.1	76.8	53.3	34.6
42.5°	780.3	658.6	542.8	433.1	341.5	258.1	183.9	128.0	88.3	60.4	39.6
40°	891.7	751.5	620.8	502.7	394.2	297.1	218.2	151.5	99.4	68.2	45.5
37.5°	1000.2	847.6	703.9	569.3	447.3	343.4	251.9	173.9	112.6	77.5	51.1
35°	1090.8	944.5	783.2	638.3	505.8	387.3	284.0	198.1	131.6	86.3	56.4
32.5°	1176.1	1032.7	867.8	707.9	561.2	428.8	318.8	225.4	149.5	94.7	61.4
30°	1223.2	1107.7	948.4	773.4	615.7	475.8	354.3	251.0	166.3	102.5	66.6
27.5°	1257.0	1178.1	1021.7	840.7	672.0	520.2	387.3	274.9	182.0	112.1	72.9
25°	1302.3	1217.2	1082.1	905.2	724.0	561.2	417.8	297.1	199.8	124.8	78.7
22.5°	1377.7	1244.1	1137.6	964.4	771.7	598.9	448.7	322.2	217.7	136.4	84.0
20°	1446.4	1268.5	1188.0	1016.6	818.3	638.3	479.5	344.9	233.9	146.9	88.8
17.5°	1530.2	1307.0	1212.5	1057.9	862.0	673.3	506.9	365.1	248.3	156.2	93.0
15°	1704.3	1356.8	1230.2	1094.0	900.3	703.9	530.8	382.7	260.8	164.3	96.7
12.5°	1853.4	1399.4	1245.2	1124.9	932.9	730.0	551.2	397.6	271.5	171.2	99.8
10°	1976.7	1434.6	1257.7	1150.3	959.8	751.5	568.0	410.0	280.3	176.9	102.4
7.5°	2073.5	1462.2	1267.4	1170.2	980.8	768.3	581.1	419.6	287.2	181.3	104.4
5°	2143.1	1482.1	1274.4	1184.5	995.9	780.3	590.5	426.5	292.1	184.5	105.8
2.5°	2185.0	1494.0	1278.6	1193.1	1005.0	787.6	596.1	430.6	295.0	186.4	106.7
0°	2199.0	1498.0	1280.0	1196.0	1008.0	790.0	598.0	432.0	296.0	187.0	107.0
-2.5°	2185.0	1494.0	1278.6	1193.1	1005.0	787.6	596.1	430.6	295.0	186.4	106.7
-5°	2143.1	1482.1	1274.4	1184.5	995.9	780.3	590.5	426.5	292.1	184.5	105.8
-7.5°	2073.5	1462.2	1267.4	1170.2	980.8	768.3	581.1	419.6	287.2	181.3	104.4
-10°	1976.7	1434.6	1257.7	1150.3	959.8	751.5	568.0	410.0	280.3	176.9	102.4
-12.5°	1853.4	1399.4	1245.2	1124.9	932.9	730.0	551.2	397.6	271.5	171.2	99.8
-15°	1704.3	1356.8	1230.2	1094.0	900.3	703.9	530.8	382.7	260.8	164.3	96.7
-17.5°	1530.2	1307.0	1212.5	1057.9	862.0	673.3	506.9	365.1	248.3	156.2	93.0
-20°	1446.4	1268.5	1188.0	1016.6	818.3	638.3	479.5	344.9	233.9	146.9	88.8



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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°	1377.7	1244.1	1137.6	964.4	771.7	598.9	448.7	322.2	217.7	136.4	84.0
-25°	1302.3	1217.2	1082.1	905.2	724.0	561.2	417.8	297.1	199.8	124.8	78.7
-27.5°	1257.0	1178.1	1021.7	840.7	672.0	520.2	387.3	274.9	182.0	112.1	72.9
-30°	1223.2	1107.7	948.4	773.4	615.7	475.8	354.3	251.0	166.3	102.5	66.6
-32.5°	1176.1	1032.7	867.8	707.9	561.2	428.8	318.8	225.4	149.5	94.7	61.4
-35°	1090.8	944.5	783.2	638.3	505.8	387.3	284.0	198.1	131.6	86.3	56.4
-37.5°	1000.2	847.6	703.9	569.3	447.3	343.4	251.9	173.9	112.6	77.5	51.1
-40°	891.7	751.5	620.8	502.7	394.2	297.1	218.2	151.5	99.4	68.2	45.5
-42.5°	780.3	658.6	542.8	433.1	341.5	258.1	183.9	128.0	88.3	60.4	39.6
-45°	677.6	567.1	465.0	373.7	288.6	217.7	156.8	105.1	76.8	53.3	34.6
-47.5°	575.2	481.0	393.1	312.3	243.0	178.8	128.7	91.7	64.8	46.0	31.0
-50°	481.0	399.6	325.1	258.3	195.9	146.9	103.1	77.8	56.2	38.3	27.3
-52.5°	393.1	325.1	263.4	206.0	157.9	114.1	87.3	63.9	47.3	32.9	23.5
-55°	312.3	258.3	206.0	161.6	121.4	93.0	71.0	53.7	38.1	28.4	19.8
-57.5°	243.0	195.9	157.9	121.4	94.9	74.8	57.6	43.2	31.9	23.8	18.0
-60°	178.8	146.9	114.1	93.0	74.8	58.9	45.8	34.1	26.6	19.6	16.2
-62.5°	128.7	103.1	87.3	71.0	57.6	45.8	34.8	28.0	21.1	17.4	14.3
-65°	91.7	77.8	63.9	53.7	43.2	34.1	28.0	21.8	18.1	15.3	12.6
-67.5°	64.8	56.2	47.3	38.1	31.9	26.6	21.1	18.1	15.6	13.1	11.2
-70°	46.0	38.3	32.9	28.4	23.8	19.6	17.4	15.3	13.1	11.4	9.8
-72.5°	31.0	27.3	23.5	19.8	18.0	16.2	14.3	12.6	11.2	9.8	8.4
-75°	20.4	18.8	17.4	15.9	14.4	12.9	11.7	10.6	9.4	8.2	7.1
-77.5°	15.5	14.4	13.2	12.3	11.4	10.4	9.5	8.5	7.6	6.8	6.0
-80°	11.5	10.8	10.1	9.4	8.7	8.0	7.4	6.7	6.1	5.4	4.8
-82.5°	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1	4.6	4.1	3.6
-85°	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.4
-87.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-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):**

	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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
77.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
75°	6.1	5.1	4.1	3.1	2.1	1.0	0.0
72.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0
70°	8.2	6.8	5.4	4.1	2.7	1.4	0.0
67.5°	9.4	7.6	6.1	4.6	3.1	1.5	0.0
65°	10.6	8.5	6.7	5.1	3.4	1.7	0.0
62.5°	11.7	9.5	7.4	5.5	3.7	1.8	0.0
60°	12.9	10.4	8.0	6.0	4.0	2.0	0.0
57.5°	14.4	11.4	8.7	6.4	4.3	2.1	0.0
55°	15.9	12.3	9.4	6.9	4.6	2.3	0.0
52.5°	17.4	13.2	10.1	7.3	4.9	2.4	0.0
50°	18.8	14.4	10.8	7.7	5.1	2.6	0.0
47.5°	20.4	15.5	11.5	8.1	5.4	2.7	0.0
45°	23.5	16.6	12.1	8.6	5.7	2.8	0.0
42.5°	26.4	17.7	12.7	9.0	5.9	2.9	0.0
40°	29.2	18.7	13.4	9.5	6.1	3.1	0.0
37.5°	31.8	19.7	14.2	9.9	6.3	3.2	0.0
35°	34.3	21.4	14.9	10.3	6.6	3.3	0.0
32.5°	37.3	23.3	15.6	10.6	6.7	3.4	0.0
30°	41.2	25.1	16.2	11.0	6.9	3.5	0.0
27.5°	45.0	26.8	16.8	11.3	7.1	3.5	0.0
25°	48.4	28.4	17.4	11.6	7.2	3.6	0.0
22.5°	51.5	29.8	17.8	11.9	7.4	3.7	0.0
20°	54.3	31.1	18.3	12.1	7.5	3.8	0.0
17.5°	56.8	32.2	18.7	12.3	7.6	3.8	0.0
15°	58.9	33.2	19.0	12.5	7.7	3.9	0.0
12.5°	60.8	34.1	19.3	12.6	7.8	3.9	0.0
10°	62.3	34.8	19.6	12.8	7.9	3.9	0.0
7.5°	63.5	35.3	19.8	12.9	7.9	4.0	0.0
5°	64.3	35.7	19.9	12.9	8.0	4.0	0.0
2.5°	64.8	35.9	20.0	13.0	8.0	4.0	0.0
0°	65.0	36.0	20.0	13.0	8.0	4.0	0.0
-2.5°	64.8	35.9	20.0	13.0	8.0	4.0	0.0
-5°	64.3	35.7	19.9	12.9	8.0	4.0	0.0
-7.5°	63.5	35.3	19.8	12.9	7.9	4.0	0.0
-10°	62.3	34.8	19.6	12.8	7.9	3.9	0.0
-12.5°	60.8	34.1	19.3	12.6	7.8	3.9	0.0
-15°	58.9	33.2	19.0	12.5	7.7	3.9	0.0
-17.5°	56.8	32.2	18.7	12.3	7.6	3.8	0.0
-20°	54.3	31.1	18.3	12.1	7.5	3.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51.5	29.8	17.8	11.9	7.4	3.7	0.0
-25°	48.4	28.4	17.4	11.6	7.2	3.6	0.0
-27.5°	45.0	26.8	16.8	11.3	7.1	3.5	0.0
-30°	41.2	25.1	16.2	11.0	6.9	3.5	0.0
-32.5°	37.3	23.3	15.6	10.6	6.7	3.4	0.0
-35°	34.3	21.4	14.9	10.3	6.6	3.3	0.0
-37.5°	31.8	19.7	14.2	9.9	6.3	3.2	0.0
-40°	29.2	18.7	13.4	9.5	6.1	3.1	0.0
-42.5°	26.4	17.7	12.7	9.0	5.9	2.9	0.0
-45°	23.5	16.6	12.1	8.6	5.7	2.8	0.0
-47.5°	20.4	15.5	11.5	8.1	5.4	2.7	0.0
-50°	18.8	14.4	10.8	7.7	5.1	2.6	0.0
-52.5°	17.4	13.2	10.1	7.3	4.9	2.4	0.0
-55°	15.9	12.3	9.4	6.9	4.6	2.3	0.0
-57.5°	14.4	11.4	8.7	6.4	4.3	2.1	0.0
-60°	12.9	10.4	8.0	6.0	4.0	2.0	0.0
-62.5°	11.7	9.5	7.4	5.5	3.7	1.8	0.0
-65°	10.6	8.5	6.7	5.1	3.4	1.7	0.0
-67.5°	9.4	7.6	6.1	4.6	3.1	1.5	0.0
-70°	8.2	6.8	5.4	4.1	2.7	1.4	0.0
-72.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0
-75°	6.1	5.1	4.1	3.1	2.1	1.0	0.0
-77.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
-80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
-82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
-87.5°	1.0	0.9	0.7	0.5	0.3	0.2	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

