

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: P701467 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-5S-HEG-S**

Issue Date: 8/15/2023

Test Information

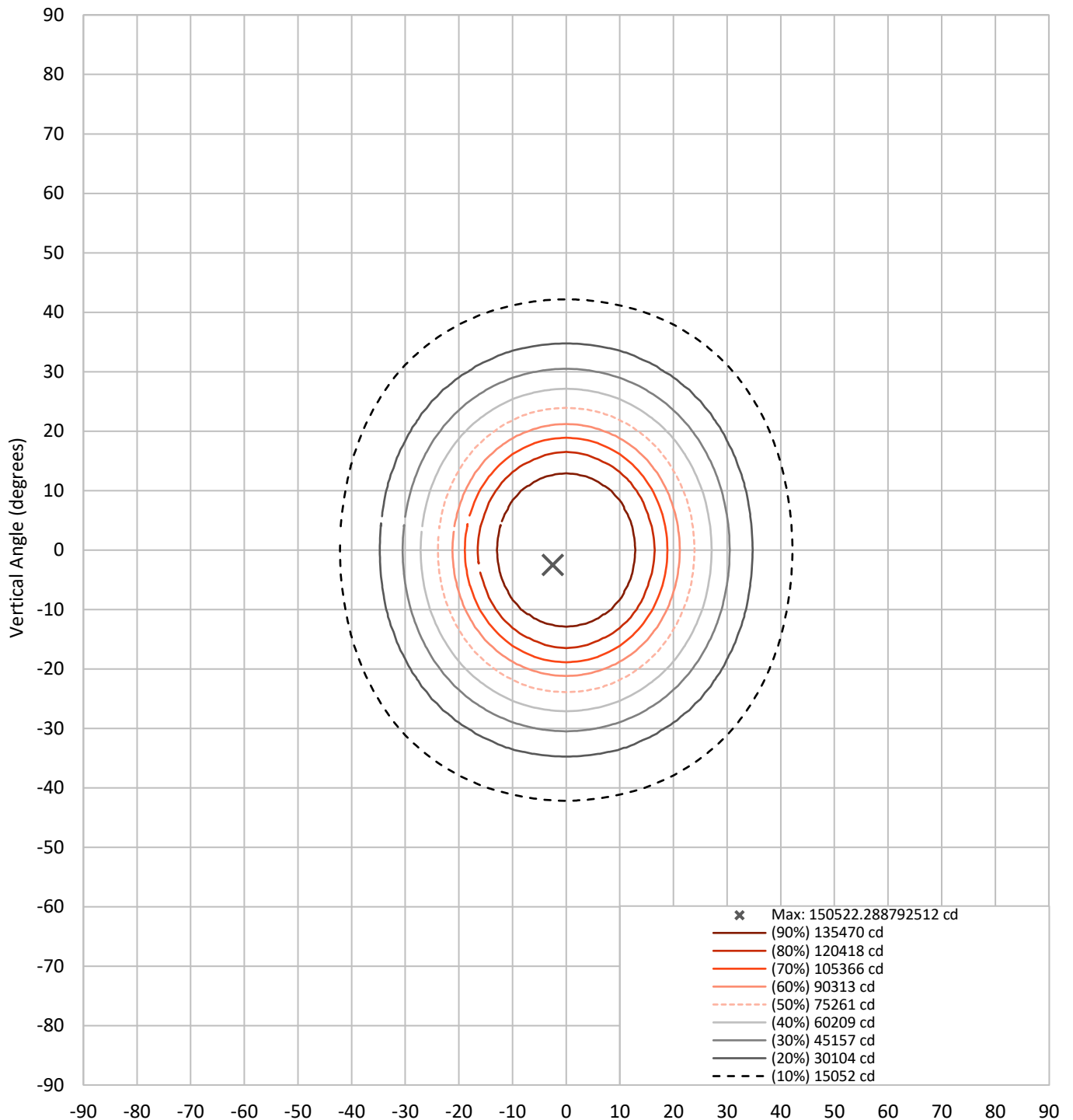
Test Method: LM-79-08
Report Number: P701467 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-5S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 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:	110022.7 lumens	Max Intensity:	150522.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	157.7 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:	61722.7 lumens	Field Lumens:	102513.9 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%
Input Watts (W):	697.5		
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





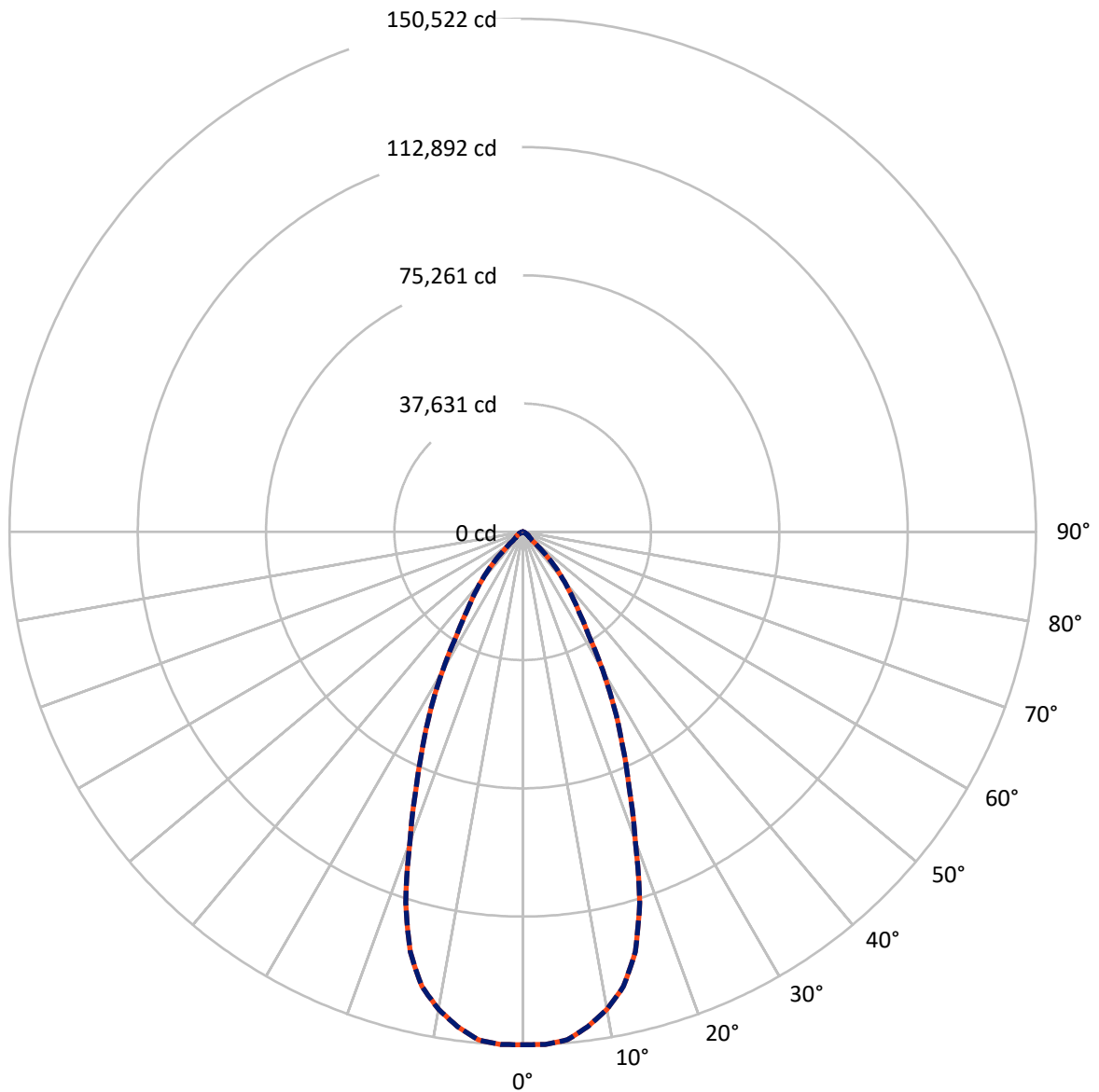
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Lumen Table

90	0.1	1.0	3.5	7.4	9.5	7.4	3.5	1.0	0.1							
80	0.1	1.0	3.5	7.4	9.5	7.4	3.5	1.0	0.1							
70	0.5	0.6	1.9	4.8	9.8	15.9	21.5	24.7	24.7	21.5	15.9	9.8	4.8	1.9	0.6	0.5
60		1.4	5.6	15.2	29.6	45.2	56.9	63.3	63.3	56.9	45.2	29.6	15.2	5.6	1.4	
50	1.1	2.9	12.4	31.5	54.3	97.9	199.4	280.7	280.7	199.4	97.9	54.3	31.5	12.4	2.9	1.1
40		5.2	21.0	47.0	136.6	413.3	697.9	894.2	894.2	697.9	413.3	136.6	47.0	21.0	5.2	
30	2.1	7.7	29.0	77.3	375.6	854.5	1529.2	2052.5	2052.5	1529.2	854.5	375.6	77.3	29.0	7.7	2.1
20		9.8	34.2	149.5	595.7	1439.2	2674.3	3643.5	3643.5	2674.3	1439.2	595.7	149.5	34.2	9.8	
10	2.5	10.9	36.8	204.3	741.2	1875.2	3537.4	4415.6	4415.6	3537.4	1875.2	741.2	204.3	36.8	10.9	2.5
0		10.9	36.8	204.3	741.2	1875.2	3537.4	4415.6	4415.6	3537.4	1875.2	741.2	204.3	36.8	10.9	
-10	2.1	9.8	34.2	149.5	595.7	1439.2	2674.3	3643.5	3643.5	2674.3	1439.2	595.7	149.5	34.2	9.8	2.1
-20		7.7	29.0	77.3	375.6	854.5	1529.2	2052.5	2052.5	1529.2	854.5	375.6	77.3	29.0	7.7	
-30	1.1	5.2	21.0	47.0	136.6	413.3	697.9	894.2	894.2	697.9	413.3	136.6	47.0	21.0	5.2	1.1
-40		2.9	12.4	31.5	54.3	97.9	199.4	280.7	280.7	199.4	97.9	54.3	31.5	12.4	2.9	
-50	0.5	1.4	5.6	15.2	29.6	45.2	56.9	63.3	63.3	56.9	45.2	29.6	15.2	5.6	1.4	0.5
-60		0.6	1.9	4.8	9.8	15.9	21.5	24.7	24.7	21.5	15.9	9.8	4.8	1.9	0.6	
-70	0.1	1.0	3.5	7.4	9.5	7.4	3.5	1.0	0.1							
-80		0.1	1.0	3.5	7.4	9.5	7.4	3.5	1.0	0.1						
-90	0.1	1.0	3.5	7.4	9.5	7.4	3.5	1.0	0.1							

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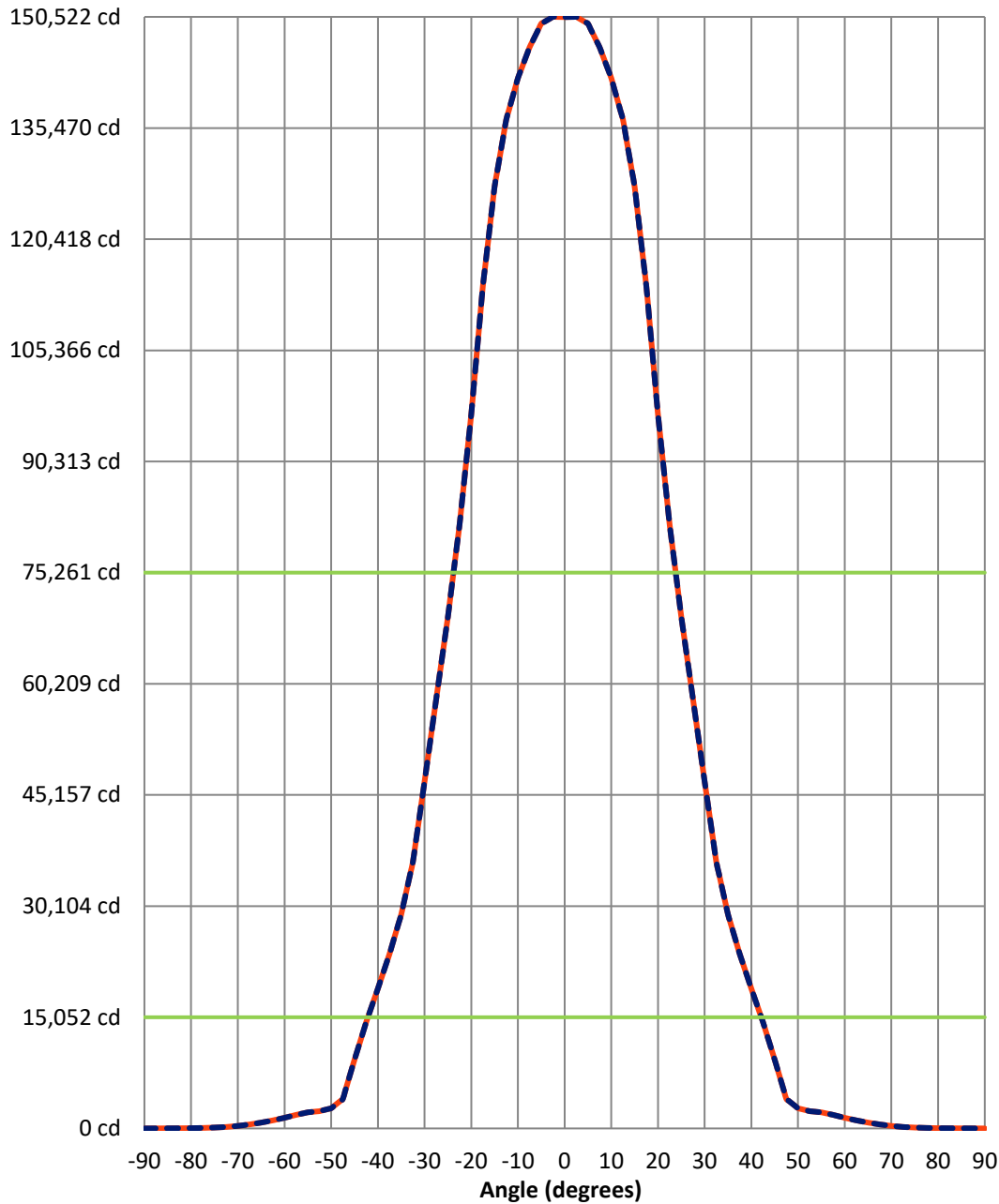
Luminous Intensity Polar Plot



— 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: 61722.7
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 102513.9
 Efficiency: 93.2%

Spill:
 Lumens: 7508.8
 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	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
85°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
82.5°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.6	7.5	8.4	9.2
80°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	9.9	11.1	12.3
77.5°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.9	15.5
75°	0.0	1.9	3.8	5.7	7.5	9.4	11.2	13.0	14.9	17.1	19.3
72.5°	0.0	2.2	4.4	6.6	8.7	10.9	13.0	15.3	17.9	20.5	23.0
70°	0.0	2.5	5.0	7.5	9.9	12.4	14.9	17.9	20.9	23.8	27.9
67.5°	0.0	2.8	5.6	8.4	11.1	13.9	17.1	20.5	23.8	28.4	33.0
65°	0.0	3.1	6.2	9.2	12.3	15.5	19.3	23.0	27.9	33.0	39.9
62.5°	0.0	3.4	6.7	10.1	13.4	17.3	21.4	26.2	31.8	38.6	51.2
60°	0.0	3.6	7.3	10.9	14.5	19.0	23.5	29.6	35.7	48.6	62.3
57.5°	0.0	3.9	7.8	11.7	15.9	20.7	26.2	32.9	43.4	58.4	79.0
55°	0.0	4.2	8.4	12.5	17.2	22.4	29.0	36.2	51.9	69.6	98.1
52.5°	0.0	4.4	8.9	13.3	18.5	24.1	31.7	42.9	60.1	86.4	116.8
50°	0.0	4.7	9.4	14.1	19.7	26.2	34.3	49.9	70.0	102.6	142.1
47.5°	0.0	4.9	9.9	14.8	20.9	28.3	37.3	56.7	84.0	118.3	167.5
45°	0.0	5.2	10.3	15.7	22.1	30.4	42.9	63.2	97.4	140.2	192.1
42.5°	0.0	5.4	10.8	16.5	23.2	32.3	48.2	72.3	110.4	161.3	233.8
40°	0.0	5.6	11.2	17.3	24.4	34.2	53.3	83.1	124.5	181.6	276.7
37.5°	0.0	5.8	11.6	18.0	25.8	35.9	58.2	93.3	141.6	205.7	317.6
35°	0.0	6.0	12.0	18.7	27.2	39.0	62.8	103.0	157.7	240.4	361.9
32.5°	0.0	6.2	12.3	19.4	28.4	42.6	68.1	112.2	172.9	273.2	411.8
30°	0.0	6.3	12.6	20.0	29.6	45.9	75.4	121.6	187.2	303.9	458.6
27.5°	0.0	6.5	12.9	20.6	30.7	49.0	82.1	133.1	204.9	332.4	502.2
25°	0.0	6.6	13.2	21.1	31.7	51.9	88.4	143.7	228.1	365.0	542.8
22.5°	0.0	6.7	13.5	21.6	32.6	54.5	94.0	153.4	249.3	397.7	588.7
20°	0.0	6.9	13.7	22.0	33.4	56.8	99.2	162.1	268.4	427.3	630.1
17.5°	0.0	7.0	13.9	22.4	34.1	58.9	103.7	169.9	285.4	453.6	666.9
15°	0.0	7.1	14.1	22.8	34.7	60.7	107.6	176.6	300.2	476.5	699.0
12.5°	0.0	7.1	14.3	23.0	35.3	62.3	111.0	182.4	312.8	496.0	726.4
10°	0.0	7.2	14.4	23.3	35.7	63.5	113.8	187.1	323.1	512.0	748.9
7.5°	0.0	7.2	14.5	23.5	36.1	64.5	115.9	190.8	331.2	524.5	766.5
5°	0.0	7.3	14.5	23.6	36.3	65.2	117.5	193.4	337.0	533.5	779.1
2.5°	0.0	7.3	14.6	23.7	36.5	65.7	118.4	195.0	340.4	538.9	786.7
0°	0.0	7.3	14.6	23.7	36.5	65.8	118.7	195.5	341.6	540.7	789.2
-2.5°	0.0	7.3	14.6	23.7	36.5	65.8	118.7	195.5	341.6	540.7	789.2
-5°	0.0	7.3	14.5	23.6	36.3	65.2	117.5	193.4	337.0	533.5	779.1
-7.5°	0.0	7.2	14.5	23.5	36.1	64.5	115.9	190.8	331.2	524.5	766.5
-10°	0.0	7.2	14.4	23.3	35.7	63.5	113.8	187.1	323.1	512.0	748.9
-12.5°	0.0	7.1	14.3	23.0	35.3	62.3	111.0	182.4	312.8	496.0	726.4
-15°	0.0	7.1	14.1	22.8	34.7	60.7	107.6	176.6	300.2	476.5	699.0
-17.5°	0.0	7.0	13.9	22.4	34.1	58.9	103.7	169.9	285.4	453.6	666.9
-20°	0.0	6.9	13.7	22.0	33.4	56.8	99.2	162.1	268.4	427.3	630.1



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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	6.7	13.5	21.6	32.6	54.5	94.0	153.4	249.3	397.7	588.7
-25°	0.0	6.6	13.2	21.1	31.7	51.9	88.4	143.7	228.1	365.0	542.8
-27.5°	0.0	6.5	12.9	20.6	30.7	49.0	82.1	133.1	204.9	332.4	502.2
-30°	0.0	6.3	12.6	20.0	29.6	45.9	75.4	121.6	187.2	303.9	458.6
-32.5°	0.0	6.2	12.3	19.4	28.4	42.6	68.1	112.2	172.9	273.2	411.8
-35°	0.0	6.0	12.0	18.7	27.2	39.0	62.8	103.0	157.7	240.4	361.9
-37.5°	0.0	5.8	11.6	18.0	25.8	35.9	58.2	93.3	141.6	205.7	317.6
-40°	0.0	5.6	11.2	17.3	24.4	34.2	53.3	83.1	124.5	181.6	276.7
-42.5°	0.0	5.4	10.8	16.5	23.2	32.3	48.2	72.3	110.4	161.3	233.8
-45°	0.0	5.2	10.3	15.7	22.1	30.4	42.9	63.2	97.4	140.2	192.1
-47.5°	0.0	4.9	9.9	14.8	20.9	28.3	37.3	56.7	84.0	118.3	167.5
-50°	0.0	4.7	9.4	14.1	19.7	26.2	34.3	49.9	70.0	102.6	142.1
-52.5°	0.0	4.4	8.9	13.3	18.5	24.1	31.7	42.9	60.1	86.4	116.8
-55°	0.0	4.2	8.4	12.5	17.2	22.4	29.0	36.2	51.9	69.6	98.1
-57.5°	0.0	3.9	7.8	11.7	15.9	20.7	26.2	32.9	43.4	58.4	79.0
-60°	0.0	3.6	7.3	10.9	14.5	19.0	23.5	29.6	35.7	48.6	62.3
-62.5°	0.0	3.4	6.7	10.1	13.4	17.3	21.4	26.2	31.8	38.6	51.2
-65°	0.0	3.1	6.2	9.2	12.3	15.5	19.3	23.0	27.9	33.0	39.9
-67.5°	0.0	2.8	5.6	8.4	11.1	13.9	17.1	20.5	23.8	28.4	33.0
-70°	0.0	2.5	5.0	7.5	9.9	12.4	14.9	17.9	20.9	23.8	27.9
-72.5°	0.0	2.2	4.4	6.6	8.7	10.9	13.0	15.3	17.9	20.5	23.0
-75°	0.0	1.9	3.8	5.7	7.5	9.4	11.2	13.0	14.9	17.1	19.3
-77.5°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.9	15.5
-80°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	9.9	11.1	12.3
-82.5°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.6	7.5	8.4	9.2
-85°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
-87.5°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-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°	3.4	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.6	5.8
85°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.3	10.8	11.2	11.6
82.5°	10.1	10.9	11.7	12.5	13.3	14.1	14.8	15.7	16.5	17.3	18.0
80°	13.4	14.5	15.9	17.2	18.5	19.7	20.9	22.1	23.2	24.4	25.8
77.5°	17.3	19.0	20.7	22.4	24.1	26.2	28.3	30.4	32.3	34.2	35.9
75°	21.4	23.5	26.2	29.0	31.7	34.3	37.3	42.9	48.2	53.3	58.2
72.5°	26.2	29.6	32.9	36.2	42.9	49.9	56.7	63.2	72.3	83.1	93.3
70°	31.8	35.7	43.4	51.9	60.1	70.0	84.0	97.4	110.4	124.5	141.6
67.5°	38.6	48.6	58.4	69.6	86.4	102.6	118.3	140.2	161.3	181.6	205.7
65°	51.2	62.3	79.0	98.1	116.8	142.1	167.5	192.1	233.8	276.7	317.6
62.5°	63.6	83.8	105.3	129.7	159.4	188.3	235.1	286.5	336.0	398.5	460.2
60°	83.8	107.6	136.6	169.9	208.4	268.4	326.6	397.7	471.5	542.8	627.2
57.5°	105.3	136.6	173.4	221.8	288.5	357.9	443.9	527.1	623.9	720.1	817.2
55°	129.7	169.9	221.8	295.3	376.4	471.8	570.4	682.6	791.2	918.3	1040.0
52.5°	159.4	208.4	288.5	376.4	481.1	593.9	718.1	849.4	991.5	1134.0	1285.9
50°	188.3	268.4	357.9	471.8	593.9	730.0	878.7	1035.9	1203.0	1372.8	1548.4
47.5°	235.1	326.6	443.9	570.4	718.1	878.7	1050.7	1237.8	1425.5	1629.0	1827.1
45°	286.5	397.7	527.1	682.6	849.4	1035.9	1237.8	1443.1	1669.6	1882.3	2064.5
42.5°	336.0	471.5	623.9	791.2	991.5	1203.0	1425.5	1669.6	1900.1	2100.7	2233.8
40°	398.5	542.8	720.1	918.3	1134.0	1372.8	1629.0	1882.3	2100.7	2242.0	2333.8
37.5°	460.2	627.2	817.2	1040.0	1285.9	1548.4	1827.1	2064.5	2233.8	2333.8	2578.3
35°	518.8	707.5	924.1	1166.0	1430.7	1725.4	1992.7	2209.1	2317.0	2555.9	3009.2
32.5°	582.4	783.4	1025.2	1293.1	1585.2	1886.5	2148.5	2283.7	2489.4	2862.7	3760.1
30°	647.2	869.1	1124.8	1412.8	1732.5	2023.5	2234.4	2379.9	2685.6	3536.0	5959.7
27.5°	707.5	950.2	1227.5	1535.8	1866.4	2152.0	2296.3	2552.5	3167.7	4674.1	8830.9
25°	763.3	1025.2	1322.6	1653.6	1976.8	2223.5	2379.0	2713.5	3724.3	7194.9	11401.8
22.5°	819.8	1094.1	1409.7	1761.7	2078.1	2272.7	2516.8	3140.9	4955.8	9527.3	13760.5
20°	876.0	1166.0	1494.8	1857.1	2170.1	2317.3	2642.3	3577.2	6944.1	11539.8	15777.5
17.5°	926.0	1229.9	1574.7	1932.5	2215.0	2387.6	2795.3	3968.9	8733.5	13355.3	17531.6
15°	969.7	1285.9	1644.6	1998.6	2247.2	2478.6	3113.3	5270.5	10258.0	14912.3	19088.7
12.5°	1006.9	1333.5	1704.2	2054.9	2274.7	2556.5	3385.8	6520.6	11532.2	16149.6	20487.1
10°	1037.6	1372.8	1753.3	2101.4	2297.5	2620.8	3611.1	7555.6	12589.0	17177.6	21651.5
7.5°	1061.5	1403.5	1791.7	2137.8	2315.3	2671.2	3787.8	8368.6	13420.1	17987.4	22570.5
5°	1078.6	1425.5	1819.3	2163.8	2328.0	2707.4	3914.9	8953.6	14018.8	18571.5	23234.3
2.5°	1089.0	1438.7	1835.9	2179.6	2335.7	2729.2	3991.5	9306.4	14380.1	18924.2	23635.6
0°	1092.4	1443.1	1841.4	2184.8	2338.3	2736.5	4017.1	9424.3	14500.9	19042.2	23769.9
-2.5°	1089.0	1438.7	1835.9	2179.6	2335.7	2729.2	3991.5	9306.4	14380.1	18924.2	23635.6
-5°	1078.6	1425.5	1819.3	2163.8	2328.0	2707.4	3914.9	8953.6	14018.8	18571.5	23234.3
-7.5°	1061.5	1403.5	1791.7	2137.8	2315.3	2671.2	3787.8	8368.6	13420.1	17987.4	22570.5
-10°	1037.6	1372.8	1753.3	2101.4	2297.5	2620.8	3611.1	7555.6	12589.0	17177.6	21651.5
-12.5°	1006.9	1333.5	1704.2	2054.9	2274.7	2556.5	3385.8	6520.6	11532.2	16149.6	20487.1
-15°	969.7	1285.9	1644.6	1998.6	2247.2	2478.6	3113.3	5270.5	10258.0	14912.3	19088.7
-17.5°	926.0	1229.9	1574.7	1932.5	2215.0	2387.6	2795.3	3968.9	8733.5	13355.3	17531.6
-20°	876.0	1166.0	1494.8	1857.1	2170.1	2317.3	2642.3	3577.2	6944.1	11539.8	15777.5



REPORT NUMBER: P701467 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	819.8	1094.1	1409.7	1761.7	2078.1	2272.7	2516.8	3140.9	4955.8	9527.3	13760.5
-25°	763.3	1025.2	1322.6	1653.6	1976.8	2223.5	2379.0	2713.5	3724.3	7194.9	11401.8
-27.5°	707.5	950.2	1227.5	1535.8	1866.4	2152.0	2296.3	2552.5	3167.7	4674.1	8830.9
-30°	647.2	869.1	1124.8	1412.8	1732.5	2023.5	2234.4	2379.9	2685.6	3536.0	5959.7
-32.5°	582.4	783.4	1025.2	1293.1	1585.2	1886.5	2148.5	2283.7	2489.4	2862.7	3760.1
-35°	518.8	707.5	924.1	1166.0	1430.7	1725.4	1992.7	2209.1	2317.0	2555.9	3009.2
-37.5°	460.2	627.2	817.2	1040.0	1285.9	1548.4	1827.1	2064.5	2233.8	2333.8	2578.3
-40°	398.5	542.8	720.1	918.3	1134.0	1372.8	1629.0	1882.3	2100.7	2242.0	2333.8
-42.5°	336.0	471.5	623.9	791.2	991.5	1203.0	1425.5	1669.6	1900.1	2100.7	2233.8
-45°	286.5	397.7	527.1	682.6	849.4	1035.9	1237.8	1443.1	1669.6	1882.3	2064.5
-47.5°	235.1	326.6	443.9	570.4	718.1	878.7	1050.7	1237.8	1425.5	1629.0	1827.1
-50°	188.3	268.4	357.9	471.8	593.9	730.0	878.7	1035.9	1203.0	1372.8	1548.4
-52.5°	159.4	208.4	288.5	376.4	481.1	593.9	718.1	849.4	991.5	1134.0	1285.9
-55°	129.7	169.9	221.8	295.3	376.4	471.8	570.4	682.6	791.2	918.3	1040.0
-57.5°	105.3	136.6	173.4	221.8	288.5	357.9	443.9	527.1	623.9	720.1	817.2
-60°	83.8	107.6	136.6	169.9	208.4	268.4	326.6	397.7	471.5	542.8	627.2
-62.5°	63.6	83.8	105.3	129.7	159.4	188.3	235.1	286.5	336.0	398.5	460.2
-65°	51.2	62.3	79.0	98.1	116.8	142.1	167.5	192.1	233.8	276.7	317.6
-67.5°	38.6	48.6	58.4	69.6	86.4	102.6	118.3	140.2	161.3	181.6	205.7
-70°	31.8	35.7	43.4	51.9	60.1	70.0	84.0	97.4	110.4	124.5	141.6
-72.5°	26.2	29.6	32.9	36.2	42.9	49.9	56.7	63.2	72.3	83.1	93.3
-75°	21.4	23.5	26.2	29.0	31.7	34.3	37.3	42.9	48.2	53.3	58.2
-77.5°	17.3	19.0	20.7	22.4	24.1	26.2	28.3	30.4	32.3	34.2	35.9
-80°	13.4	14.5	15.9	17.2	18.5	19.7	20.9	22.1	23.2	24.4	25.8
-82.5°	10.1	10.9	11.7	12.5	13.3	14.1	14.8	15.7	16.5	17.3	18.0
-85°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.3	10.8	11.2	11.6
-87.5°	3.4	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.6	5.8
-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):

	-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°	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.1	7.2
85°	12.0	12.3	12.6	12.9	13.2	13.5	13.7	13.9	14.1	14.3	14.4
82.5°	18.7	19.4	20.0	20.6	21.1	21.6	22.0	22.4	22.8	23.0	23.3
80°	27.2	28.4	29.6	30.7	31.7	32.6	33.4	34.1	34.7	35.3	35.7
77.5°	39.0	42.6	45.9	49.0	51.9	54.5	56.8	58.9	60.7	62.3	63.5
75°	62.8	68.1	75.4	82.1	88.4	94.0	99.2	103.7	107.6	111.0	113.8
72.5°	103.0	112.2	121.6	133.1	143.7	153.4	162.1	169.9	176.6	182.4	187.1
70°	157.7	172.9	187.2	204.9	228.1	249.3	268.4	285.4	300.2	312.8	323.1
67.5°	240.4	273.2	303.9	332.4	365.0	397.7	427.3	453.6	476.5	496.0	512.0
65°	361.9	411.8	458.6	502.2	542.8	588.7	630.1	666.9	699.0	726.4	748.9
62.5°	518.8	582.4	647.2	707.5	763.3	819.8	876.0	926.0	969.7	1006.9	1037.6
60°	707.5	783.4	869.1	950.2	1025.2	1094.1	1166.0	1229.9	1285.9	1333.5	1372.8
57.5°	924.1	1025.2	1124.8	1227.5	1322.6	1409.7	1494.8	1574.7	1644.6	1704.2	1753.3
55°	1166.0	1293.1	1412.8	1535.8	1653.6	1761.7	1857.1	1932.5	1998.6	2054.9	2101.4
52.5°	1430.7	1585.2	1732.5	1866.4	1976.8	2078.1	2170.1	2215.0	2247.2	2274.7	2297.5
50°	1725.4	1886.5	2023.5	2152.0	2223.5	2272.7	2317.3	2387.6	2478.6	2556.5	2620.8
47.5°	1992.7	2148.5	2234.4	2296.3	2379.0	2516.8	2642.3	2795.3	3113.3	3385.8	3611.1
45°	2209.1	2283.7	2379.9	2552.5	2713.5	3140.9	3577.2	3968.9	5270.5	6520.6	7555.6
42.5°	2317.0	2489.4	2685.6	3167.7	3724.3	4955.8	6944.1	8733.5	10258.0	11532.2	12589.0
40°	2555.9	2862.7	3536.0	4674.1	7194.9	9527.3	11539.8	13355.3	14912.3	16149.6	17177.6
37.5°	3009.2	3760.1	5959.7	8830.9	11401.8	13760.5	15777.5	17531.6	19088.7	20487.1	21651.5
35°	3835.3	6609.7	9803.3	12677.1	15294.0	17557.6	19669.2	21640.9	23394.6	25067.4	26506.2
32.5°	6609.7	10117.8	13322.7	16182.7	18771.9	21286.3	23623.3	26018.6	28174.6	30359.9	32463.6
30°	9803.3	13322.7	16481.6	19401.9	22276.1	25142.8	27993.4	31100.7	34234.4	37316.6	40849.5
27.5°	12677.1	16182.7	19401.9	22609.5	25925.2	29230.7	33336.5	37534.8	42760.5	47344.1	51290.5
25°	15294.0	18771.9	22276.1	25925.2	29779.0	34476.0	40260.3	46524.5	52296.1	57403.5	61718.4
22.5°	17557.6	21286.3	25142.8	29230.7	34476.0	41181.8	48471.2	55367.5	61639.0	67190.7	72228.4
20°	19669.2	23623.3	27993.4	33336.5	40260.3	48471.2	56409.3	63812.8	70721.9	77626.6	83823.7
17.5°	21640.9	26018.6	31100.7	37534.8	46524.5	55367.5	63812.8	72041.6	80425.3	89141.0	97104.1
15°	23394.6	28174.6	34234.4	42760.5	52296.1	61639.0	70721.9	80425.3	90964.8	101595.6	112020.4
12.5°	25067.4	30359.9	37316.6	47344.1	57403.5	67190.7	77626.6	89141.0	101595.6	114552.3	123509.8
10°	26506.2	32463.6	40849.5	51290.5	61718.4	72228.4	83823.7	97104.1	112020.4	123509.8	132125.2
7.5°	27644.3	34132.1	43661.1	54444.9	65177.3	76580.9	89659.3	104718.5	119394.7	130389.3	137353.1
5°	28467.9	35342.2	45705.8	56746.7	67712.7	79789.7	93994.9	110495.8	124385.4	134391.0	140524.9
2.5°	28966.4	36075.9	46947.9	58148.4	69261.5	81758.2	96670.2	114090.0	127527.7	136608.0	142228.6
0°	29133.3	36321.7	47364.5	58619.2	69782.6	82422.0	97575.1	115311.2	128602.7	137289.0	142811.3
-2.5°	28966.4	36075.9	46947.9	58148.4	69261.5	81758.2	96670.2	114090.0	127527.7	136608.0	142228.6
-5°	28467.9	35342.2	45705.8	56746.7	67712.7	79789.7	93994.9	110495.8	124385.4	134391.0	140524.9
-7.5°	27644.3	34132.1	43661.1	54444.9	65177.3	76580.9	89659.3	104718.5	119394.7	130389.3	137353.1
-10°	26506.2	32463.6	40849.5	51290.5	61718.4	72228.4	83823.7	97104.1	112020.4	123509.8	132125.2
-12.5°	25067.4	30359.9	37316.6	47344.1	57403.5	67190.7	77626.6	89141.0	101595.6	114552.3	123509.8
-15°	23394.6	28174.6	34234.4	42760.5	52296.1	61639.0	70721.9	80425.3	90964.8	101595.6	112020.4
-17.5°	21640.9	26018.6	31100.7	37534.8	46524.5	55367.5	63812.8	72041.6	80425.3	89141.0	97104.1
-20°	19669.2	23623.3	27993.4	33336.5	40260.3	48471.2	56409.3	63812.8	70721.9	77626.6	83823.7



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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°	17557.6	21286.3	25142.8	29230.7	34476.0	41181.8	48471.2	55367.5	61639.0	67190.7	72228.4
-25°	15294.0	18771.9	22276.1	25925.2	29779.0	34476.0	40260.3	46524.5	52296.1	57403.5	61718.4
-27.5°	12677.1	16182.7	19401.9	22609.5	25925.2	29230.7	33336.5	37534.8	42760.5	47344.1	51290.5
-30°	9803.3	13322.7	16481.6	19401.9	22276.1	25142.8	27993.4	31100.7	34234.4	37316.6	40849.5
-32.5°	6609.7	10117.8	13322.7	16182.7	18771.9	21286.3	23623.3	26018.6	28174.6	30359.9	32463.6
-35°	3835.3	6609.7	9803.3	12677.1	15294.0	17557.6	19669.2	21640.9	23394.6	25067.4	26506.2
-37.5°	3009.2	3760.1	5959.7	8830.9	11401.8	13760.5	15777.5	17531.6	19088.7	20487.1	21651.5
-40°	2555.9	2862.7	3536.0	4674.1	7194.9	9527.3	11539.8	13355.3	14912.3	16149.6	17177.6
-42.5°	2317.0	2489.4	2685.6	3167.7	3724.3	4955.8	6944.1	8733.5	10258.0	11532.2	12589.0
-45°	2209.1	2283.7	2379.9	2552.5	2713.5	3140.9	3577.2	3968.9	5270.5	6520.6	7555.6
-47.5°	1992.7	2148.5	2234.4	2296.3	2379.0	2516.8	2642.3	2795.3	3113.3	3385.8	3611.1
-50°	1725.4	1886.5	2023.5	2152.0	2223.5	2272.7	2317.3	2387.6	2478.6	2556.5	2620.8
-52.5°	1430.7	1585.2	1732.5	1866.4	1976.8	2078.1	2170.1	2215.0	2247.2	2274.7	2297.5
-55°	1166.0	1293.1	1412.8	1535.8	1653.6	1761.7	1857.1	1932.5	1998.6	2054.9	2101.4
-57.5°	924.1	1025.2	1124.8	1227.5	1322.6	1409.7	1494.8	1574.7	1644.6	1704.2	1753.3
-60°	707.5	783.4	869.1	950.2	1025.2	1094.1	1166.0	1229.9	1285.9	1333.5	1372.8
-62.5°	518.8	582.4	647.2	707.5	763.3	819.8	876.0	926.0	969.7	1006.9	1037.6
-65°	361.9	411.8	458.6	502.2	542.8	588.7	630.1	666.9	699.0	726.4	748.9
-67.5°	240.4	273.2	303.9	332.4	365.0	397.7	427.3	453.6	476.5	496.0	512.0
-70°	157.7	172.9	187.2	204.9	228.1	249.3	268.4	285.4	300.2	312.8	323.1
-72.5°	103.0	112.2	121.6	133.1	143.7	153.4	162.1	169.9	176.6	182.4	187.1
-75°	62.8	68.1	75.4	82.1	88.4	94.0	99.2	103.7	107.6	111.0	113.8
-77.5°	39.0	42.6	45.9	49.0	51.9	54.5	56.8	58.9	60.7	62.3	63.5
-80°	27.2	28.4	29.6	30.7	31.7	32.6	33.4	34.1	34.7	35.3	35.7
-82.5°	18.7	19.4	20.0	20.6	21.1	21.6	22.0	22.4	22.8	23.0	23.3
-85°	12.0	12.3	12.6	12.9	13.2	13.5	13.7	13.9	14.1	14.3	14.4
-87.5°	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.1	7.2
-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: P701467 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-5S-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°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0
85°	14.5	14.5	14.6	14.6	14.6	14.5	14.5	14.4	14.3	14.1	13.9
82.5°	23.5	23.6	23.7	23.7	23.7	23.6	23.5	23.3	23.0	22.8	22.4
80°	36.1	36.3	36.5	36.5	36.5	36.3	36.1	35.7	35.3	34.7	34.1
77.5°	64.5	65.2	65.7	65.8	65.7	65.2	64.5	63.5	62.3	60.7	58.9
75°	115.9	117.5	118.4	118.7	118.4	117.5	115.9	113.8	111.0	107.6	103.7
72.5°	190.8	193.4	195.0	195.5	195.0	193.4	190.8	187.1	182.4	176.6	169.9
70°	331.2	337.0	340.4	341.6	340.4	337.0	331.2	323.1	312.8	300.2	285.4
67.5°	524.5	533.5	538.9	540.7	538.9	533.5	524.5	512.0	496.0	476.5	453.6
65°	766.5	779.1	786.7	789.2	786.7	779.1	766.5	748.9	726.4	699.0	666.9
62.5°	1061.5	1078.6	1089.0	1092.4	1089.0	1078.6	1061.5	1037.6	1006.9	969.7	926.0
60°	1403.5	1425.5	1438.7	1443.1	1438.7	1425.5	1403.5	1372.8	1333.5	1285.9	1229.9
57.5°	1791.7	1819.3	1835.9	1841.4	1835.9	1819.3	1791.7	1753.3	1704.2	1644.6	1574.7
55°	2137.8	2163.8	2179.6	2184.8	2179.6	2163.8	2137.8	2101.4	2054.9	1998.6	1932.5
52.5°	2315.3	2328.0	2335.7	2338.3	2335.7	2328.0	2315.3	2297.5	2274.7	2247.2	2215.0
50°	2671.2	2707.4	2729.2	2736.5	2729.2	2707.4	2671.2	2620.8	2556.5	2478.6	2387.6
47.5°	3787.8	3914.9	3991.5	4017.1	3991.5	3914.9	3787.8	3611.1	3385.8	3113.3	2795.3
45°	8368.6	8953.6	9306.4	9424.3	9306.4	8953.6	8368.6	7555.6	6520.6	5270.5	3968.9
42.5°	13420.1	14018.8	14380.1	14500.9	14380.1	14018.8	13420.1	12589.0	11532.2	10258.0	8733.5
40°	17987.4	18571.5	18924.2	19042.2	18924.2	18571.5	17987.4	17177.6	16149.6	14912.3	13355.3
37.5°	22570.5	23234.3	23635.6	23769.9	23635.6	23234.3	22570.5	21651.5	20487.1	19088.7	17531.6
35°	27644.3	28467.9	28966.4	29133.3	28966.4	28467.9	27644.3	26506.2	25067.4	23394.6	21640.9
32.5°	34132.1	35342.2	36075.9	36321.7	36075.9	35342.2	34132.1	32463.6	30359.9	28174.6	26018.6
30°	43661.1	45705.8	46947.9	47364.5	46947.9	45705.8	43661.1	40849.5	37316.6	34234.4	31100.7
27.5°	54444.9	56746.7	58148.4	58619.2	58148.4	56746.7	54444.9	51290.5	47344.1	42760.5	37534.8
25°	65177.3	67712.7	69261.5	69782.6	69261.5	67712.7	65177.3	61718.4	57403.5	52296.1	46524.5
22.5°	76580.9	79789.7	81758.2	82422.0	81758.2	79789.7	76580.9	72228.4	67190.7	61639.0	55367.5
20°	89659.3	93994.9	96670.2	97575.1	96670.2	93994.9	89659.3	83823.7	77626.6	70721.9	63812.8
17.5°	104718.5	110495.8	114090.0	115311.2	114090.0	110495.8	104718.5	97104.1	89141.0	80425.3	72041.6
15°	119394.7	124385.4	127527.7	128602.7	127527.7	124385.4	119394.7	112020.4	101595.6	90964.8	80425.3
12.5°	130389.3	134391.0	136608.0	137289.0	136608.0	134391.0	130389.3	123509.8	114552.3	101595.6	89141.0
10°	137353.1	140524.9	142228.6	142811.3	142228.6	140524.9	137353.1	132125.2	123509.8	112020.4	97104.1
7.5°	141680.2	144632.7	146406.2	147031.2	146406.2	144632.7	141680.2	137353.1	130389.3	119394.7	104718.5
5°	144632.7	147702.6	149607.1	150187.8	149607.1	147702.6	144632.7	140524.9	134391.0	124385.4	110495.8
2.5°	146406.2	149607.1	150522.3	150491.1	150522.3	149607.1	146406.2	142228.6	136608.0	127527.7	114090.0
0°	147031.2	150187.8	150491.1	149910.2	150491.1	150187.8	147031.2	142811.3	137289.0	128602.7	115311.2
-2.5°	146406.2	149607.1	150522.3	150491.1	150522.3	149607.1	146406.2	142228.6	136608.0	127527.7	114090.0
-5°	144632.7	147702.6	149607.1	150187.8	149607.1	147702.6	144632.7	140524.9	134391.0	124385.4	110495.8
-7.5°	141680.2	144632.7	146406.2	147031.2	146406.2	144632.7	141680.2	137353.1	130389.3	119394.7	104718.5
-10°	137353.1	140524.9	142228.6	142811.3	142228.6	140524.9	137353.1	132125.2	123509.8	112020.4	97104.1
-12.5°	130389.3	134391.0	136608.0	137289.0	136608.0	134391.0	130389.3	123509.8	114552.3	101595.6	89141.0
-15°	119394.7	124385.4	127527.7	128602.7	127527.7	124385.4	119394.7	112020.4	101595.6	90964.8	80425.3
-17.5°	104718.5	110495.8	114090.0	115311.2	114090.0	110495.8	104718.5	97104.1	89141.0	80425.3	72041.6
-20°	89659.3	93994.9	96670.2	97575.1	96670.2	93994.9	89659.3	83823.7	77626.6	70721.9	63812.8



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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°	76580.9	79789.7	81758.2	82422.0	81758.2	79789.7	76580.9	72228.4	67190.7	61639.0	55367.5
-25°	65177.3	67712.7	69261.5	69782.6	69261.5	67712.7	65177.3	61718.4	57403.5	52296.1	46524.5
-27.5°	54444.9	56746.7	58148.4	58619.2	58148.4	56746.7	54444.9	51290.5	47344.1	42760.5	37534.8
-30°	43661.1	45705.8	46947.9	47364.5	46947.9	45705.8	43661.1	40849.5	37316.6	34234.4	31100.7
-32.5°	34132.1	35342.2	36075.9	36321.7	36075.9	35342.2	34132.1	32463.6	30359.9	28174.6	26018.6
-35°	27644.3	28467.9	28966.4	29133.3	28966.4	28467.9	27644.3	26506.2	25067.4	23394.6	21640.9
-37.5°	22570.5	23234.3	23635.6	23769.9	23635.6	23234.3	22570.5	21651.5	20487.1	19088.7	17531.6
-40°	17987.4	18571.5	18924.2	19042.2	18924.2	18571.5	17987.4	17177.6	16149.6	14912.3	13355.3
-42.5°	13420.1	14018.8	14380.1	14500.9	14380.1	14018.8	13420.1	12589.0	11532.2	10258.0	8733.5
-45°	8368.6	8953.6	9306.4	9424.3	9306.4	8953.6	8368.6	7555.6	6520.6	5270.5	3968.9
-47.5°	3787.8	3914.9	3991.5	4017.1	3991.5	3914.9	3787.8	3611.1	3385.8	3113.3	2795.3
-50°	2671.2	2707.4	2729.2	2736.5	2729.2	2707.4	2671.2	2620.8	2556.5	2478.6	2387.6
-52.5°	2315.3	2328.0	2335.7	2338.3	2335.7	2328.0	2315.3	2297.5	2274.7	2247.2	2215.0
-55°	2137.8	2163.8	2179.6	2184.8	2179.6	2163.8	2137.8	2101.4	2054.9	1998.6	1932.5
-57.5°	1791.7	1819.3	1835.9	1841.4	1835.9	1819.3	1791.7	1753.3	1704.2	1644.6	1574.7
-60°	1403.5	1425.5	1438.7	1443.1	1438.7	1425.5	1403.5	1372.8	1333.5	1285.9	1229.9
-62.5°	1061.5	1078.6	1089.0	1092.4	1089.0	1078.6	1061.5	1037.6	1006.9	969.7	926.0
-65°	766.5	779.1	786.7	789.2	786.7	779.1	766.5	748.9	726.4	699.0	666.9
-67.5°	524.5	533.5	538.9	540.7	538.9	533.5	524.5	512.0	496.0	476.5	453.6
-70°	331.2	337.0	340.4	341.6	340.4	337.0	331.2	323.1	312.8	300.2	285.4
-72.5°	190.8	193.4	195.0	195.5	195.0	193.4	190.8	187.1	182.4	176.6	169.9
-75°	115.9	117.5	118.4	118.7	118.4	117.5	115.9	113.8	111.0	107.6	103.7
-77.5°	64.5	65.2	65.7	65.8	65.7	65.2	64.5	63.5	62.3	60.7	58.9
-80°	36.1	36.3	36.5	36.5	36.5	36.3	36.1	35.7	35.3	34.7	34.1
-82.5°	23.5	23.6	23.7	23.7	23.7	23.6	23.5	23.3	23.0	22.8	22.4
-85°	14.5	14.5	14.6	14.6	14.6	14.5	14.5	14.4	14.3	14.1	13.9
-87.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0
-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):

	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°	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.2
85°	13.7	13.5	13.2	12.9	12.6	12.3	12.0	11.6	11.2	10.8	10.3
82.5°	22.0	21.6	21.1	20.6	20.0	19.4	18.7	18.0	17.3	16.5	15.7
80°	33.4	32.6	31.7	30.7	29.6	28.4	27.2	25.8	24.4	23.2	22.1
77.5°	56.8	54.5	51.9	49.0	45.9	42.6	39.0	35.9	34.2	32.3	30.4
75°	99.2	94.0	88.4	82.1	75.4	68.1	62.8	58.2	53.3	48.2	42.9
72.5°	162.1	153.4	143.7	133.1	121.6	112.2	103.0	93.3	83.1	72.3	63.2
70°	268.4	249.3	228.1	204.9	187.2	172.9	157.7	141.6	124.5	110.4	97.4
67.5°	427.3	397.7	365.0	332.4	303.9	273.2	240.4	205.7	181.6	161.3	140.2
65°	630.1	588.7	542.8	502.2	458.6	411.8	361.9	317.6	276.7	233.8	192.1
62.5°	876.0	819.8	763.3	707.5	647.2	582.4	518.8	460.2	398.5	336.0	286.5
60°	1166.0	1094.1	1025.2	950.2	869.1	783.4	707.5	627.2	542.8	471.5	397.7
57.5°	1494.8	1409.7	1322.6	1227.5	1124.8	1025.2	924.1	817.2	720.1	623.9	527.1
55°	1857.1	1761.7	1653.6	1535.8	1412.8	1293.1	1166.0	1040.0	918.3	791.2	682.6
52.5°	2170.1	2078.1	1976.8	1866.4	1732.5	1585.2	1430.7	1285.9	1134.0	991.5	849.4
50°	2317.3	2272.7	2223.5	2152.0	2023.5	1886.5	1725.4	1548.4	1372.8	1203.0	1035.9
47.5°	2642.3	2516.8	2379.0	2296.3	2234.4	2148.5	1992.7	1827.1	1629.0	1425.5	1237.8
45°	3577.2	3140.9	2713.5	2552.5	2379.9	2283.7	2209.1	2064.5	1882.3	1669.6	1443.1
42.5°	6944.1	4955.8	3724.3	3167.7	2685.6	2489.4	2317.0	2233.8	2100.7	1900.1	1669.6
40°	11539.8	9527.3	7194.9	4674.1	3536.0	2862.7	2555.9	2333.8	2242.0	2100.7	1882.3
37.5°	15777.5	13760.5	11401.8	8830.9	5959.7	3760.1	3009.2	2578.3	2333.8	2233.8	2064.5
35°	19669.2	17557.6	15294.0	12677.1	9803.3	6609.7	3835.3	3009.2	2555.9	2317.0	2209.1
32.5°	23623.3	21286.3	18771.9	16182.7	13322.7	10117.8	6609.7	3760.1	2862.7	2489.4	2283.7
30°	27993.4	25142.8	22276.1	19401.9	16481.6	13322.7	9803.3	5959.7	3536.0	2685.6	2379.9
27.5°	33336.5	29230.7	25925.2	22609.5	19401.9	16182.7	12677.1	8830.9	4674.1	3167.7	2552.5
25°	40260.3	34476.0	29779.0	25925.2	22276.1	18771.9	15294.0	11401.8	7194.9	3724.3	2713.5
22.5°	48471.2	41181.8	34476.0	29230.7	25142.8	21286.3	17557.6	13760.5	9527.3	4955.8	3140.9
20°	56409.3	48471.2	40260.3	33336.5	27993.4	23623.3	19669.2	15777.5	11539.8	6944.1	3577.2
17.5°	63812.8	55367.5	46524.5	37534.8	31100.7	26018.6	21640.9	17531.6	13355.3	8733.5	3968.9
15°	70721.9	61639.0	52296.1	42760.5	34234.4	28174.6	23394.6	19088.7	14912.3	10258.0	5270.5
12.5°	77626.6	67190.7	57403.5	47344.1	37316.6	30359.9	25067.4	20487.1	16149.6	11532.2	6520.6
10°	83823.7	72228.4	61718.4	51290.5	40849.5	32463.6	26506.2	21651.5	17177.6	12589.0	7555.6
7.5°	89659.3	76580.9	65177.3	54444.9	43661.1	34132.1	27644.3	22570.5	17987.4	13420.1	8368.6
5°	93994.9	79789.7	67712.7	56746.7	45705.8	35342.2	28467.9	23234.3	18571.5	14018.8	8953.6
2.5°	96670.2	81758.2	69261.5	58148.4	46947.9	36075.9	28966.4	23635.6	18924.2	14380.1	9306.4
0°	97575.1	82422.0	69782.6	58619.2	47364.5	36321.7	29133.3	23769.9	19042.2	14500.9	9424.3
-2.5°	96670.2	81758.2	69261.5	58148.4	46947.9	36075.9	28966.4	23635.6	18924.2	14380.1	9306.4
-5°	93994.9	79789.7	67712.7	56746.7	45705.8	35342.2	28467.9	23234.3	18571.5	14018.8	8953.6
-7.5°	89659.3	76580.9	65177.3	54444.9	43661.1	34132.1	27644.3	22570.5	17987.4	13420.1	8368.6
-10°	83823.7	72228.4	61718.4	51290.5	40849.5	32463.6	26506.2	21651.5	17177.6	12589.0	7555.6
-12.5°	77626.6	67190.7	57403.5	47344.1	37316.6	30359.9	25067.4	20487.1	16149.6	11532.2	6520.6
-15°	70721.9	61639.0	52296.1	42760.5	34234.4	28174.6	23394.6	19088.7	14912.3	10258.0	5270.5
-17.5°	63812.8	55367.5	46524.5	37534.8	31100.7	26018.6	21640.9	17531.6	13355.3	8733.5	3968.9
-20°	56409.3	48471.2	40260.3	33336.5	27993.4	23623.3	19669.2	15777.5	11539.8	6944.1	3577.2



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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°	48471.2	41181.8	34476.0	29230.7	25142.8	21286.3	17557.6	13760.5	9527.3	4955.8	3140.9
-25°	40260.3	34476.0	29779.0	25925.2	22276.1	18771.9	15294.0	11401.8	7194.9	3724.3	2713.5
-27.5°	33336.5	29230.7	25925.2	22609.5	19401.9	16182.7	12677.1	8830.9	4674.1	3167.7	2552.5
-30°	27993.4	25142.8	22276.1	19401.9	16481.6	13322.7	9803.3	5959.7	3536.0	2685.6	2379.9
-32.5°	23623.3	21286.3	18771.9	16182.7	13322.7	10117.8	6609.7	3760.1	2862.7	2489.4	2283.7
-35°	19669.2	17557.6	15294.0	12677.1	9803.3	6609.7	3835.3	3009.2	2555.9	2317.0	2209.1
-37.5°	15777.5	13760.5	11401.8	8830.9	5959.7	3760.1	3009.2	2578.3	2333.8	2233.8	2064.5
-40°	11539.8	9527.3	7194.9	4674.1	3536.0	2862.7	2555.9	2333.8	2242.0	2100.7	1882.3
-42.5°	6944.1	4955.8	3724.3	3167.7	2685.6	2489.4	2317.0	2233.8	2100.7	1900.1	1669.6
-45°	3577.2	3140.9	2713.5	2552.5	2379.9	2283.7	2209.1	2064.5	1882.3	1669.6	1443.1
-47.5°	2642.3	2516.8	2379.0	2296.3	2234.4	2148.5	1992.7	1827.1	1629.0	1425.5	1237.8
-50°	2317.3	2272.7	2223.5	2152.0	2023.5	1886.5	1725.4	1548.4	1372.8	1203.0	1035.9
-52.5°	2170.1	2078.1	1976.8	1866.4	1732.5	1585.2	1430.7	1285.9	1134.0	991.5	849.4
-55°	1857.1	1761.7	1653.6	1535.8	1412.8	1293.1	1166.0	1040.0	918.3	791.2	682.6
-57.5°	1494.8	1409.7	1322.6	1227.5	1124.8	1025.2	924.1	817.2	720.1	623.9	527.1
-60°	1166.0	1094.1	1025.2	950.2	869.1	783.4	707.5	627.2	542.8	471.5	397.7
-62.5°	876.0	819.8	763.3	707.5	647.2	582.4	518.8	460.2	398.5	336.0	286.5
-65°	630.1	588.7	542.8	502.2	458.6	411.8	361.9	317.6	276.7	233.8	192.1
-67.5°	427.3	397.7	365.0	332.4	303.9	273.2	240.4	205.7	181.6	161.3	140.2
-70°	268.4	249.3	228.1	204.9	187.2	172.9	157.7	141.6	124.5	110.4	97.4
-72.5°	162.1	153.4	143.7	133.1	121.6	112.2	103.0	93.3	83.1	72.3	63.2
-75°	99.2	94.0	88.4	82.1	75.4	68.1	62.8	58.2	53.3	48.2	42.9
-77.5°	56.8	54.5	51.9	49.0	45.9	42.6	39.0	35.9	34.2	32.3	30.4
-80°	33.4	32.6	31.7	30.7	29.6	28.4	27.2	25.8	24.4	23.2	22.1
-82.5°	22.0	21.6	21.1	20.6	20.0	19.4	18.7	18.0	17.3	16.5	15.7
-85°	13.7	13.5	13.2	12.9	12.6	12.3	12.0	11.6	11.2	10.8	10.3
-87.5°	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.2
-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):

	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°	4.9	4.7	4.4	4.2	3.9	3.6	3.4	3.1	2.8	2.5	2.2
85°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.2	5.6	5.0	4.4
82.5°	14.8	14.1	13.3	12.5	11.7	10.9	10.1	9.2	8.4	7.5	6.6
80°	20.9	19.7	18.5	17.2	15.9	14.5	13.4	12.3	11.1	9.9	8.7
77.5°	28.3	26.2	24.1	22.4	20.7	19.0	17.3	15.5	13.9	12.4	10.9
75°	37.3	34.3	31.7	29.0	26.2	23.5	21.4	19.3	17.1	14.9	13.0
72.5°	56.7	49.9	42.9	36.2	32.9	29.6	26.2	23.0	20.5	17.9	15.3
70°	84.0	70.0	60.1	51.9	43.4	35.7	31.8	27.9	23.8	20.9	17.9
67.5°	118.3	102.6	86.4	69.6	58.4	48.6	38.6	33.0	28.4	23.8	20.5
65°	167.5	142.1	116.8	98.1	79.0	62.3	51.2	39.9	33.0	27.9	23.0
62.5°	235.1	188.3	159.4	129.7	105.3	83.8	63.6	51.2	38.6	31.8	26.2
60°	326.6	268.4	208.4	169.9	136.6	107.6	83.8	62.3	48.6	35.7	29.6
57.5°	443.9	357.9	288.5	221.8	173.4	136.6	105.3	79.0	58.4	43.4	32.9
55°	570.4	471.8	376.4	295.3	221.8	169.9	129.7	98.1	69.6	51.9	36.2
52.5°	718.1	593.9	481.1	376.4	288.5	208.4	159.4	116.8	86.4	60.1	42.9
50°	878.7	730.0	593.9	471.8	357.9	268.4	188.3	142.1	102.6	70.0	49.9
47.5°	1050.7	878.7	718.1	570.4	443.9	326.6	235.1	167.5	118.3	84.0	56.7
45°	1237.8	1035.9	849.4	682.6	527.1	397.7	286.5	192.1	140.2	97.4	63.2
42.5°	1425.5	1203.0	991.5	791.2	623.9	471.5	336.0	233.8	161.3	110.4	72.3
40°	1629.0	1372.8	1134.0	918.3	720.1	542.8	398.5	276.7	181.6	124.5	83.1
37.5°	1827.1	1548.4	1285.9	1040.0	817.2	627.2	460.2	317.6	205.7	141.6	93.3
35°	1992.7	1725.4	1430.7	1166.0	924.1	707.5	518.8	361.9	240.4	157.7	103.0
32.5°	2148.5	1886.5	1585.2	1293.1	1025.2	783.4	582.4	411.8	273.2	172.9	112.2
30°	2234.4	2023.5	1732.5	1412.8	1124.8	869.1	647.2	458.6	303.9	187.2	121.6
27.5°	2296.3	2152.0	1866.4	1535.8	1227.5	950.2	707.5	502.2	332.4	204.9	133.1
25°	2379.0	2223.5	1976.8	1653.6	1322.6	1025.2	763.3	542.8	365.0	228.1	143.7
22.5°	2516.8	2272.7	2078.1	1761.7	1409.7	1094.1	819.8	588.7	397.7	249.3	153.4
20°	2642.3	2317.3	2170.1	1857.1	1494.8	1166.0	876.0	630.1	427.3	268.4	162.1
17.5°	2795.3	2387.6	2215.0	1932.5	1574.7	1229.9	926.0	666.9	453.6	285.4	169.9
15°	3113.3	2478.6	2247.2	1998.6	1644.6	1285.9	969.7	699.0	476.5	300.2	176.6
12.5°	3385.8	2556.5	2274.7	2054.9	1704.2	1333.5	1006.9	726.4	496.0	312.8	182.4
10°	3611.1	2620.8	2297.5	2101.4	1753.3	1372.8	1037.6	748.9	512.0	323.1	187.1
7.5°	3787.8	2671.2	2315.3	2137.8	1791.7	1403.5	1061.5	766.5	524.5	331.2	190.8
5°	3914.9	2707.4	2328.0	2163.8	1819.3	1425.5	1078.6	779.1	533.5	337.0	193.4
2.5°	3991.5	2729.2	2335.7	2179.6	1835.9	1438.7	1089.0	786.7	538.9	340.4	195.0
0°	4017.1	2736.5	2338.3	2184.8	1841.4	1443.1	1092.4	789.2	540.7	341.6	195.5
-2.5°	3991.5	2729.2	2335.7	2179.6	1835.9	1438.7	1089.0	786.7	538.9	340.4	195.0
-5°	3914.9	2707.4	2328.0	2163.8	1819.3	1425.5	1078.6	779.1	533.5	337.0	193.4
-7.5°	3787.8	2671.2	2315.3	2137.8	1791.7	1403.5	1061.5	766.5	524.5	331.2	190.8
-10°	3611.1	2620.8	2297.5	2101.4	1753.3	1372.8	1037.6	748.9	512.0	323.1	187.1
-12.5°	3385.8	2556.5	2274.7	2054.9	1704.2	1333.5	1006.9	726.4	496.0	312.8	182.4
-15°	3113.3	2478.6	2247.2	1998.6	1644.6	1285.9	969.7	699.0	476.5	300.2	176.6
-17.5°	2795.3	2387.6	2215.0	1932.5	1574.7	1229.9	926.0	666.9	453.6	285.4	169.9
-20°	2642.3	2317.3	2170.1	1857.1	1494.8	1166.0	876.0	630.1	427.3	268.4	162.1



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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°	2516.8	2272.7	2078.1	1761.7	1409.7	1094.1	819.8	588.7	397.7	249.3	153.4
-25°	2379.0	2223.5	1976.8	1653.6	1322.6	1025.2	763.3	542.8	365.0	228.1	143.7
-27.5°	2296.3	2152.0	1866.4	1535.8	1227.5	950.2	707.5	502.2	332.4	204.9	133.1
-30°	2234.4	2023.5	1732.5	1412.8	1124.8	869.1	647.2	458.6	303.9	187.2	121.6
-32.5°	2148.5	1886.5	1585.2	1293.1	1025.2	783.4	582.4	411.8	273.2	172.9	112.2
-35°	1992.7	1725.4	1430.7	1166.0	924.1	707.5	518.8	361.9	240.4	157.7	103.0
-37.5°	1827.1	1548.4	1285.9	1040.0	817.2	627.2	460.2	317.6	205.7	141.6	93.3
-40°	1629.0	1372.8	1134.0	918.3	720.1	542.8	398.5	276.7	181.6	124.5	83.1
-42.5°	1425.5	1203.0	991.5	791.2	623.9	471.5	336.0	233.8	161.3	110.4	72.3
-45°	1237.8	1035.9	849.4	682.6	527.1	397.7	286.5	192.1	140.2	97.4	63.2
-47.5°	1050.7	878.7	718.1	570.4	443.9	326.6	235.1	167.5	118.3	84.0	56.7
-50°	878.7	730.0	593.9	471.8	357.9	268.4	188.3	142.1	102.6	70.0	49.9
-52.5°	718.1	593.9	481.1	376.4	288.5	208.4	159.4	116.8	86.4	60.1	42.9
-55°	570.4	471.8	376.4	295.3	221.8	169.9	129.7	98.1	69.6	51.9	36.2
-57.5°	443.9	357.9	288.5	221.8	173.4	136.6	105.3	79.0	58.4	43.4	32.9
-60°	326.6	268.4	208.4	169.9	136.6	107.6	83.8	62.3	48.6	35.7	29.6
-62.5°	235.1	188.3	159.4	129.7	105.3	83.8	63.6	51.2	38.6	31.8	26.2
-65°	167.5	142.1	116.8	98.1	79.0	62.3	51.2	39.9	33.0	27.9	23.0
-67.5°	118.3	102.6	86.4	69.6	58.4	48.6	38.6	33.0	28.4	23.8	20.5
-70°	84.0	70.0	60.1	51.9	43.4	35.7	31.8	27.9	23.8	20.9	17.9
-72.5°	56.7	49.9	42.9	36.2	32.9	29.6	26.2	23.0	20.5	17.9	15.3
-75°	37.3	34.3	31.7	29.0	26.2	23.5	21.4	19.3	17.1	14.9	13.0
-77.5°	28.3	26.2	24.1	22.4	20.7	19.0	17.3	15.5	13.9	12.4	10.9
-80°	20.9	19.7	18.5	17.2	15.9	14.5	13.4	12.3	11.1	9.9	8.7
-82.5°	14.8	14.1	13.3	12.5	11.7	10.9	10.1	9.2	8.4	7.5	6.6
-85°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.2	5.6	5.0	4.4
-87.5°	4.9	4.7	4.4	4.2	3.9	3.6	3.4	3.1	2.8	2.5	2.2
-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°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
85°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
82.5°	5.7	4.7	3.8	2.9	1.9	1.0	0.0
80°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
77.5°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
75°	11.2	9.4	7.5	5.7	3.8	1.9	0.0
72.5°	13.0	10.9	8.7	6.6	4.4	2.2	0.0
70°	14.9	12.4	9.9	7.5	5.0	2.5	0.0
67.5°	17.1	13.9	11.1	8.4	5.6	2.8	0.0
65°	19.3	15.5	12.3	9.2	6.2	3.1	0.0
62.5°	21.4	17.3	13.4	10.1	6.7	3.4	0.0
60°	23.5	19.0	14.5	10.9	7.3	3.6	0.0
57.5°	26.2	20.7	15.9	11.7	7.8	3.9	0.0
55°	29.0	22.4	17.2	12.5	8.4	4.2	0.0
52.5°	31.7	24.1	18.5	13.3	8.9	4.4	0.0
50°	34.3	26.2	19.7	14.1	9.4	4.7	0.0
47.5°	37.3	28.3	20.9	14.8	9.9	4.9	0.0
45°	42.9	30.4	22.1	15.7	10.3	5.2	0.0
42.5°	48.2	32.3	23.2	16.5	10.8	5.4	0.0
40°	53.3	34.2	24.4	17.3	11.2	5.6	0.0
37.5°	58.2	35.9	25.8	18.0	11.6	5.8	0.0
35°	62.8	39.0	27.2	18.7	12.0	6.0	0.0
32.5°	68.1	42.6	28.4	19.4	12.3	6.2	0.0
30°	75.4	45.9	29.6	20.0	12.6	6.3	0.0
27.5°	82.1	49.0	30.7	20.6	12.9	6.5	0.0
25°	88.4	51.9	31.7	21.1	13.2	6.6	0.0
22.5°	94.0	54.5	32.6	21.6	13.5	6.7	0.0
20°	99.2	56.8	33.4	22.0	13.7	6.9	0.0
17.5°	103.7	58.9	34.1	22.4	13.9	7.0	0.0
15°	107.6	60.7	34.7	22.8	14.1	7.1	0.0
12.5°	111.0	62.3	35.3	23.0	14.3	7.1	0.0
10°	113.8	63.5	35.7	23.3	14.4	7.2	0.0
7.5°	115.9	64.5	36.1	23.5	14.5	7.2	0.0
5°	117.5	65.2	36.3	23.6	14.5	7.3	0.0
2.5°	118.4	65.7	36.5	23.7	14.6	7.3	0.0
0°	118.7	65.8	36.5	23.7	14.6	7.3	0.0
-2.5°	118.4	65.7	36.5	23.7	14.6	7.3	0.0
-5°	117.5	65.2	36.3	23.6	14.5	7.3	0.0
-7.5°	115.9	64.5	36.1	23.5	14.5	7.2	0.0
-10°	113.8	63.5	35.7	23.3	14.4	7.2	0.0
-12.5°	111.0	62.3	35.3	23.0	14.3	7.1	0.0
-15°	107.6	60.7	34.7	22.8	14.1	7.1	0.0
-17.5°	103.7	58.9	34.1	22.4	13.9	7.0	0.0
-20°	99.2	56.8	33.4	22.0	13.7	6.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	94.0	54.5	32.6	21.6	13.5	6.7	0.0
-25°	88.4	51.9	31.7	21.1	13.2	6.6	0.0
-27.5°	82.1	49.0	30.7	20.6	12.9	6.5	0.0
-30°	75.4	45.9	29.6	20.0	12.6	6.3	0.0
-32.5°	68.1	42.6	28.4	19.4	12.3	6.2	0.0
-35°	62.8	39.0	27.2	18.7	12.0	6.0	0.0
-37.5°	58.2	35.9	25.8	18.0	11.6	5.8	0.0
-40°	53.3	34.2	24.4	17.3	11.2	5.6	0.0
-42.5°	48.2	32.3	23.2	16.5	10.8	5.4	0.0
-45°	42.9	30.4	22.1	15.7	10.3	5.2	0.0
-47.5°	37.3	28.3	20.9	14.8	9.9	4.9	0.0
-50°	34.3	26.2	19.7	14.1	9.4	4.7	0.0
-52.5°	31.7	24.1	18.5	13.3	8.9	4.4	0.0
-55°	29.0	22.4	17.2	12.5	8.4	4.2	0.0
-57.5°	26.2	20.7	15.9	11.7	7.8	3.9	0.0
-60°	23.5	19.0	14.5	10.9	7.3	3.6	0.0
-62.5°	21.4	17.3	13.4	10.1	6.7	3.4	0.0
-65°	19.3	15.5	12.3	9.2	6.2	3.1	0.0
-67.5°	17.1	13.9	11.1	8.4	5.6	2.8	0.0
-70°	14.9	12.4	9.9	7.5	5.0	2.5	0.0
-72.5°	13.0	10.9	8.7	6.6	4.4	2.2	0.0
-75°	11.2	9.4	7.5	5.7	3.8	1.9	0.0
-77.5°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-80°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
-82.5°	5.7	4.7	3.8	2.9	1.9	1.0	0.0
-85°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
-87.5°	1.9	1.6	1.3	1.0	0.6	0.3	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

