

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: P701720 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-7F-CV2-S**

Issue Date: 8/29/2023

Test Information

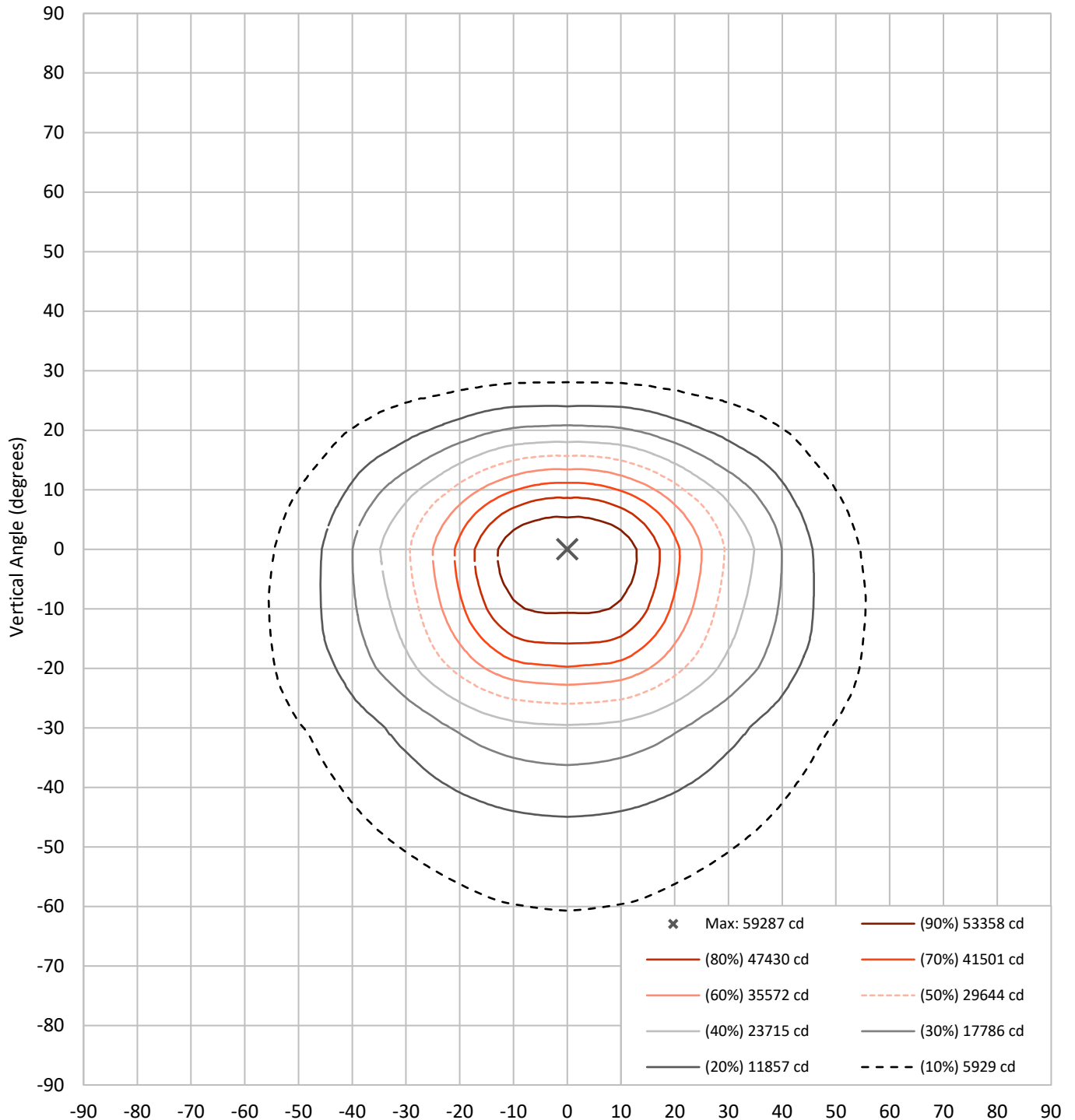
Test Method: LM-79-08
Report Number: P701720 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-7F-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	51869.2 lumens	Max Intensity:	59287 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	74.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	25145.6 lumens	Field Lumens:	47109.4 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%
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





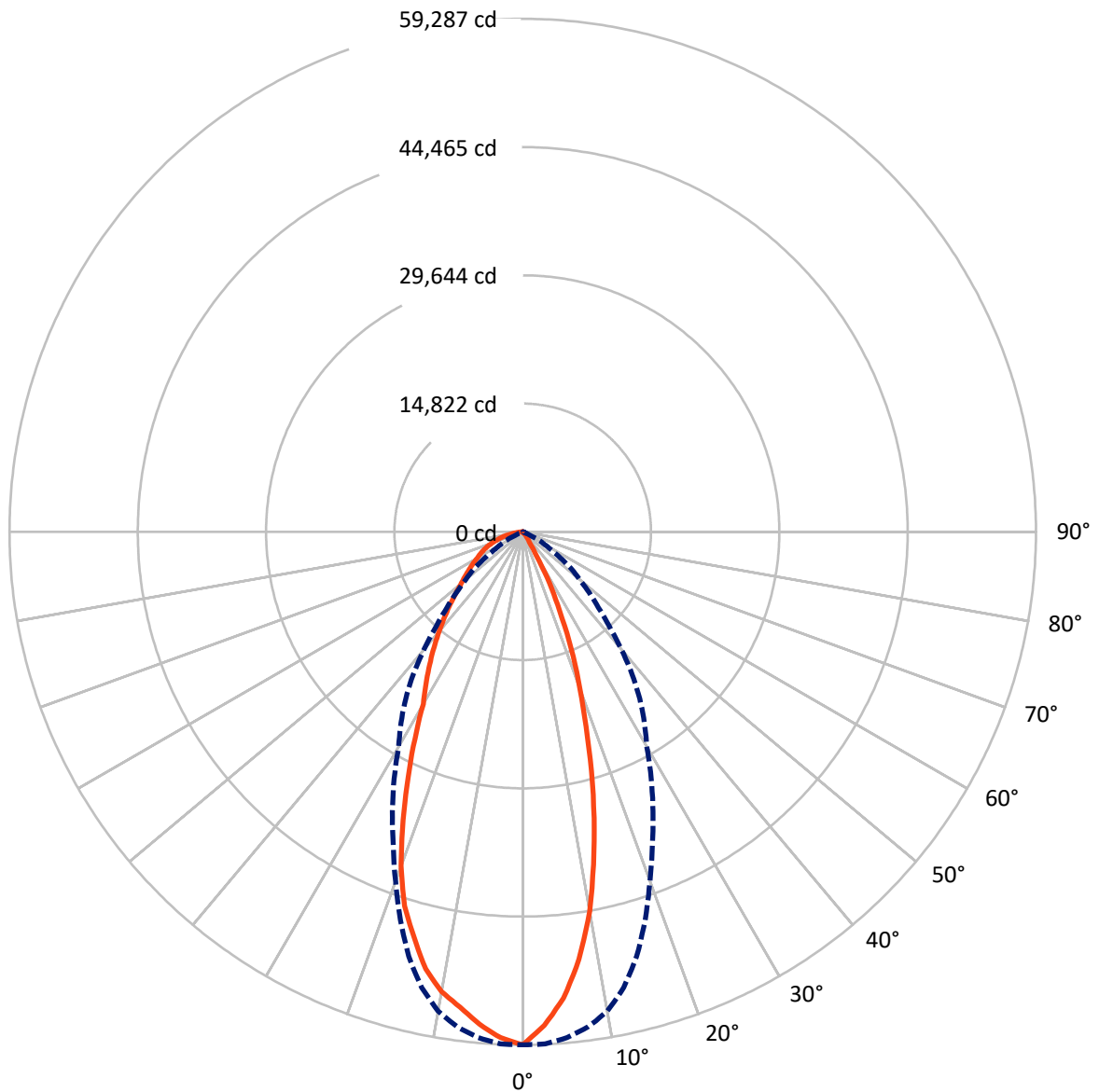
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Lumen Table

90	0.4	2.5	6.2	4.5	3.5	4.5	6.2	2.5	0.4							
80	0.4	2.5	6.2	4.5	3.5	4.5	6.2	2.5	0.4							
70	0.6	0.7	1.7	2.5	1.9	1.0	0.7	0.7	0.7	0.7	1.0	1.9	2.5	1.7	0.7	0.6
60		0.8	1.2	1.3	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	1.3	1.2	0.8	
50	0.8	0.7	1.5	2.6	3.5	4.4	5.4	6.1	6.1	5.4	4.4	3.5	2.6	1.5	0.7	0.8
40		1.1	5.4	12.5	20.5	26.8	35.4	40.3	40.3	35.4	26.8	20.5	12.5	5.4	1.1	
30	1.2	3.1	19.3	56.7	117.4	189.9	275.4	321.5	321.5	275.4	189.9	117.4	56.7	19.3	3.1	1.2
20		7.2	47.5	141.4	312.0	526.8	777.0	939.7	939.7	777.0	526.8	312.0	141.4	47.5	7.2	
10	3.1	14.0	83.4	240.7	520.6	882.1	1316.0	1588.7	1588.7	1316.0	882.1	520.6	240.7	83.4	14.0	3.1
0		22.9	107.2	276.9	568.2	963.0	1450.0	1711.7	1711.7	1450.0	963.0	568.2	276.9	107.2	22.9	
-10	7.2	26.7	107.1	259.4	503.7	837.2	1233.9	1450.9	1450.9	1233.9	837.2	503.7	259.4	107.1	26.7	7.2
-20		25.3	88.0	195.4	367.1	585.6	816.5	942.0	942.0	816.5	585.6	367.1	195.4	88.0	25.3	
-30	8.4	22.9	64.5	134.8	240.0	369.5	491.4	560.2	560.2	491.4	369.5	240.0	134.8	64.5	22.9	8.4
-40		18.5	47.1	94.9	164.6	245.4	314.9	355.3	355.3	314.9	245.4	164.6	94.9	47.1	18.5	
-50	5.6	13.8	33.0	63.7	106.7	156.3	200.7	225.2	225.2	200.7	156.3	106.7	63.7	33.0	13.8	5.6
-60		9.4	22.8	43.5	70.6	101.7	131.4	147.6	147.6	131.4	101.7	70.6	43.5	22.8	9.4	
-70	1.6	9.4	22.8	43.5	70.6	101.7	131.4	147.6	147.6	131.4	101.7	70.6	43.5	22.8	9.4	1.6
-80		1.6	21.7	77.4	148.3	182.2	148.3	77.4	21.7	1.6						
-90	1.6	21.7	77.4	148.3	182.2	148.3	77.4	21.7	1.6							

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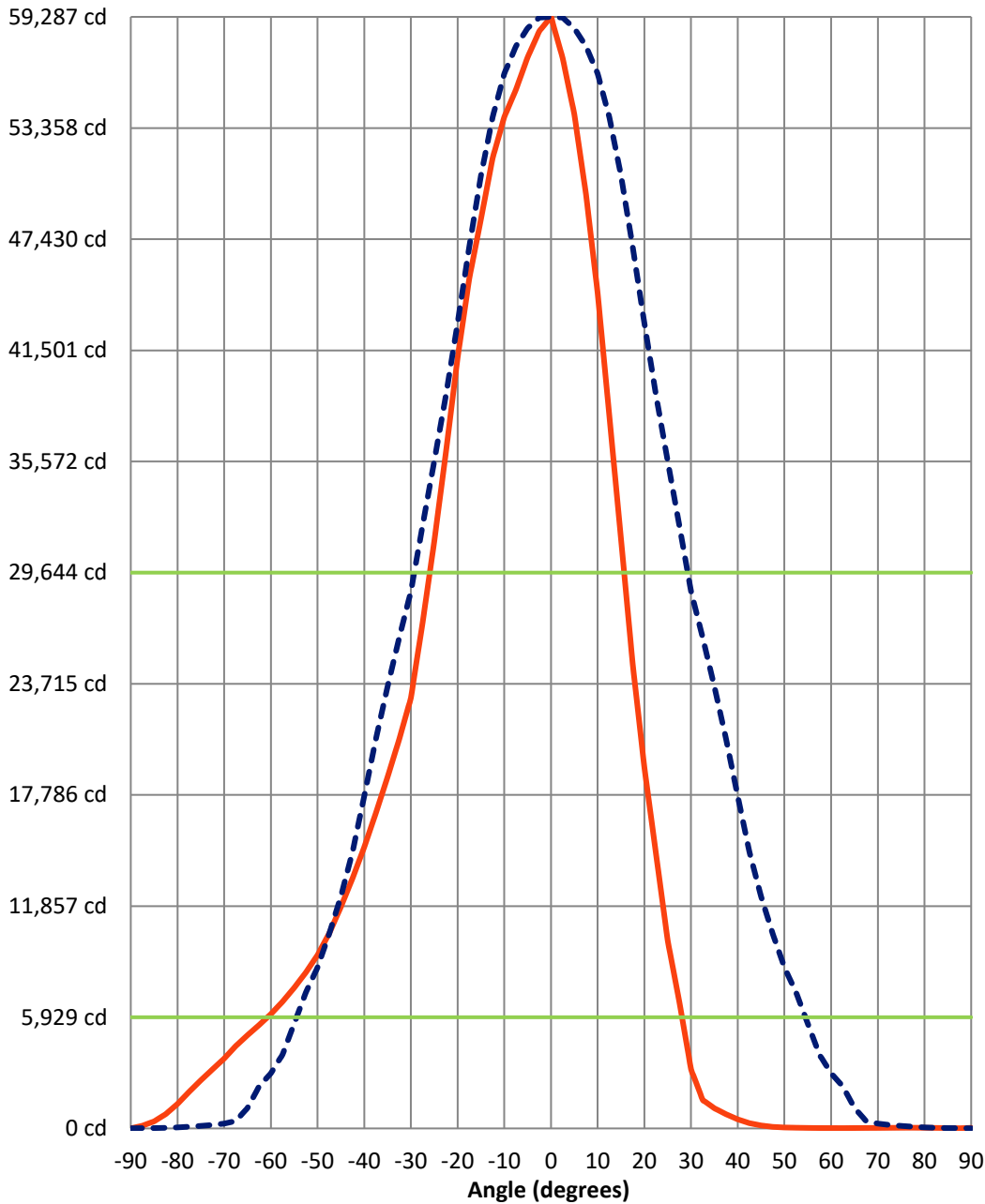
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 41.6°
 Lumens: 25145.6
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 47109.4
 Efficiency: 90.8%

Spill:
 Lumens: 4759.7
 Efficiency: 9.2%

— 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°	8.3	9.4	10.4	10.9	11.5	12.0	12.5	13.0	13.6	14.1	14.6
87.5°	8.3	8.6	9.0	9.6	10.3	11.1	12.1	12.4	12.6	12.7	12.7
85°	8.3	8.9	9.8	10.9	12.3	13.9	15.8	16.5	16.9	17.1	17.1
82.5°	8.3	9.3	10.5	12.2	14.2	16.7	19.5	20.5	21.2	22.6	25.3
80°	8.3	9.6	11.2	13.4	16.2	19.4	22.8	23.4	25.6	29.6	35.4
77.5°	8.3	9.9	11.9	14.7	18.1	21.2	23.2	25.4	29.7	36.3	43.1
75°	8.3	10.2	12.6	15.9	19.6	21.3	23.6	27.2	33.3	38.9	44.4
72.5°	8.3	10.5	13.3	17.1	19.5	21.4	23.9	28.6	34.2	39.9	45.6
70°	8.3	10.8	14.0	17.9	19.3	21.4	24.2	29.3	35.1	40.9	47.4
67.5°	8.3	11.1	14.6	17.7	19.2	21.4	25.0	30.0	35.9	42.6	49.2
65°	8.3	11.4	15.2	17.5	19.0	21.7	25.8	30.6	37.3	44.1	51.6
62.5°	8.3	11.6	15.8	17.2	18.7	22.4	26.6	31.5	38.5	45.9	55.4
60°	8.3	11.9	16.4	16.9	18.4	23.1	27.4	32.5	39.7	49.0	58.9
57.5°	8.3	12.2	16.3	16.6	19.0	23.8	28.6	33.6	41.8	51.8	60.7
55°	8.3	12.4	16.2	16.3	19.5	24.4	30.0	35.0	44.0	54.1	61.7
52.5°	8.3	12.6	16.1	15.9	20.1	25.2	31.3	37.4	46.0	55.2	62.7
50°	8.3	12.9	16.0	15.5	20.6	26.3	32.7	39.8	47.7	56.3	61.0
47.5°	8.3	13.1	16.0	15.3	21.1	27.5	34.1	42.3	48.7	57.4	59.1
45°	8.3	13.3	16.0	15.7	21.5	28.6	36.3	44.8	51.3	56.1	57.6
42.5°	8.3	13.5	16.0	16.0	22.0	29.7	38.4	47.4	54.2	54.9	55.9
40°	8.3	13.6	16.0	16.6	22.6	30.8	40.4	50.2	57.1	54.4	54.7
37.5°	8.3	13.8	16.1	17.5	23.4	31.9	42.5	53.3	59.6	57.7	54.1
35°	8.3	14.0	16.1	18.4	24.2	33.3	44.4	56.5	62.9	62.3	58.1
32.5°	8.3	14.1	16.3	19.3	24.9	34.8	46.6	60.0	66.8	68.2	74.7
30°	8.3	14.2	16.4	20.2	25.6	36.3	49.3	63.5	71.4	75.3	91.6
27.5°	8.3	14.3	16.5	21.2	27.6	37.6	51.9	67.1	76.9	83.6	108.9
25°	8.3	14.4	16.7	22.2	30.0	38.9	54.7	71.0	83.5	96.5	128.3
22.5°	8.3	14.5	16.9	23.2	32.3	41.3	57.4	75.1	90.8	111.2	190.2
20°	8.3	14.6	17.1	24.2	34.8	46.5	60.0	79.5	98.5	125.8	255.8
17.5°	8.3	14.6	17.3	25.1	37.3	52.0	67.0	84.1	106.7	140.2	323.8
15°	8.3	14.6	17.5	26.1	39.9	57.6	76.8	93.3	115.1	154.2	392.8
12.5°	8.3	14.7	17.7	27.1	42.4	63.4	86.7	108.6	132.6	167.9	461.5
10°	8.3	14.7	17.9	28.0	44.9	69.3	96.8	124.1	157.7	209.2	552.0
7.5°	8.3	14.7	18.1	28.9	47.4	75.1	106.8	139.8	183.1	255.8	692.7
5°	8.3	14.7	18.3	29.7	49.7	80.8	116.6	155.3	208.6	303.1	832.8
2.5°	8.3	14.6	18.5	30.5	52.0	86.4	126.1	170.5	233.7	350.0	967.7
0°	8.3	14.6	18.7	31.2	54.1	91.6	135.3	185.3	258.1	395.5	1092.9
-2.5°	8.3	14.9	20.1	35.8	64.6	111.2	170.4	243.2	349.4	543.0	1286.3
-5°	8.3	15.1	21.4	40.3	74.9	130.3	204.5	299.6	438.1	685.2	1463.0
-7.5°	8.3	15.4	22.7	44.6	84.7	148.5	237.1	353.7	522.9	819.4	1620.5
-10°	8.3	15.6	23.9	48.7	94.0	165.7	267.9	404.7	602.4	943.0	1756.5
-12.5°	8.3	15.8	25.1	52.5	102.6	181.6	296.2	451.9	675.4	1049.2	1808.1
-15°	8.3	16.0	26.2	56.0	110.5	196.1	321.8	494.4	739.4	1114.1	1816.1
-17.5°	8.3	16.1	27.2	59.1	117.5	208.9	344.2	534.8	794.5	1169.6	1813.1
-20°	8.3	16.3	28.2	61.7	123.5	219.9	366.1	572.6	842.2	1215.3	1800.6



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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°	8.3	16.4	29.0	63.9	128.5	228.9	389.4	604.9	881.9	1250.8	1779.6
-25°	8.3	16.4	29.7	65.7	132.3	240.7	408.7	631.3	913.2	1275.7	1751.3
-27.5°	8.3	16.5	30.3	66.8	134.9	252.0	423.7	651.4	935.5	1296.2	1769.1
-30°	8.3	16.5	30.8	67.5	136.7	260.4	434.3	664.9	954.1	1317.9	1776.2
-32.5°	8.3	16.5	31.1	67.5	140.9	266.0	440.3	675.4	967.2	1327.5	1770.0
-35°	8.3	16.5	31.3	66.9	143.4	268.5	445.1	680.5	971.1	1324.7	1750.4
-37.5°	8.3	16.4	31.3	65.8	144.2	269.1	446.8	679.0	965.8	1309.4	1664.9
-40°	8.3	16.4	31.3	64.0	143.3	269.2	443.9	670.7	951.0	1291.0	1579.3
-42.5°	8.3	16.2	31.0	62.2	142.0	266.5	436.4	655.7	932.1	1228.8	1488.2
-45°	8.3	16.1	30.6	61.1	140.6	261.1	424.2	637.0	906.8	1157.3	1394.3
-47.5°	8.3	15.9	30.1	59.2	137.8	252.8	407.5	616.4	872.0	1082.4	1310.6
-50°	8.3	15.7	29.5	58.6	133.4	241.7	392.0	589.6	811.0	1013.8	1223.1
-52.5°	8.3	15.5	28.6	58.0	127.7	228.0	373.4	556.7	753.7	942.2	1133.2
-55°	8.3	15.2	27.7	56.7	120.5	216.4	351.1	519.1	696.4	867.8	1050.9
-57.5°	8.3	14.9	26.6	54.7	112.0	203.5	325.1	484.7	636.4	797.9	965.7
-60°	8.3	14.6	25.4	52.0	102.4	188.5	296.6	441.7	575.8	727.3	880.7
-62.5°	8.3	14.3	24.5	48.8	95.6	171.6	272.6	394.3	519.3	654.0	798.9
-65°	8.3	13.9	23.5	45.0	87.6	152.9	246.0	347.7	460.0	583.0	714.3
-67.5°	8.3	13.5	22.4	40.6	78.7	135.2	217.0	306.8	397.9	510.1	629.0
-70°	8.3	13.1	21.3	35.8	68.8	118.6	185.7	263.8	344.6	434.3	541.1
-72.5°	8.3	12.7	20.0	32.7	58.1	100.6	157.9	219.0	289.3	367.2	452.5
-75°	8.3	12.2	18.8	29.9	46.8	81.5	129.1	178.4	232.0	298.0	370.3
-77.5°	8.3	11.8	17.5	27.0	40.3	61.4	98.9	138.6	181.9	229.8	285.6
-80°	8.3	11.3	16.1	24.0	34.8	48.6	67.5	97.8	131.6	168.9	209.9
-82.5°	8.3	10.8	14.7	20.8	29.1	39.7	52.4	64.6	80.2	106.9	136.2
-85°	8.3	10.3	13.3	17.5	23.3	30.6	39.3	47.6	56.8	66.8	77.7
-87.5°	8.3	9.9	11.9	14.3	17.4	21.3	25.9	30.4	35.2	40.5	46.2
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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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°	15.1	15.7	16.2	16.7	17.2	17.7	18.2	18.7	19.8	20.8	21.9
87.5°	13.3	14.0	14.7	15.5	14.1	12.6	11.0	9.2	9.7	10.2	10.8
85°	18.4	19.7	21.5	22.9	21.9	21.0	20.4	19.9	21.0	22.0	22.6
82.5°	27.8	29.7	30.8	31.4	32.0	33.0	34.8	38.5	40.8	42.2	42.8
80°	38.3	39.7	40.9	43.8	48.7	54.6	61.3	68.8	70.8	70.4	69.1
77.5°	44.7	47.4	52.3	59.4	67.6	76.0	85.2	95.2	97.8	96.6	94.5
75°	48.6	54.4	62.5	72.6	83.3	94.5	106.4	117.3	120.0	116.5	112.3
72.5°	51.9	60.4	71.3	84.4	96.8	108.3	120.4	133.1	138.0	132.1	124.4
70°	54.9	65.6	78.8	92.9	107.0	119.3	131.2	144.8	153.6	142.6	125.6
67.5°	57.4	70.9	85.4	99.9	111.9	124.1	138.5	144.4	147.6	130.0	111.8
65°	61.4	75.8	88.7	100.9	113.5	119.4	124.2	128.6	126.9	106.9	87.7
62.5°	65.2	77.0	89.0	98.8	102.7	106.3	105.7	101.6	95.1	82.7	67.7
60°	66.6	76.7	85.4	89.5	90.9	87.7	82.8	78.9	73.3	62.7	52.7
57.5°	67.4	73.3	78.1	79.3	75.6	70.5	68.5	63.0	59.0	52.3	43.3
55°	66.9	67.7	70.1	67.3	64.3	62.4	59.3	57.6	51.9	45.6	38.9
52.5°	64.0	63.0	60.9	59.6	60.5	60.1	59.1	56.1	50.9	44.6	40.9
50°	61.5	57.8	54.4	59.1	63.4	66.8	61.5	58.2	58.0	55.0	49.0
47.5°	58.3	53.4	56.4	63.6	75.6	80.1	72.5	72.4	74.8	80.7	73.4
45°	55.5	57.2	62.0	79.8	94.5	101.3	102.4	94.4	114.3	120.9	118.9
42.5°	53.4	65.3	86.6	99.1	122.8	137.4	143.2	155.1	166.9	181.4	185.1
40°	61.2	75.7	123.7	144.9	159.7	184.6	214.8	234.4	238.1	260.0	269.9
37.5°	71.4	117.9	174.4	211.1	210.1	253.4	298.6	346.0	372.7	351.7	400.1
35°	82.9	167.5	247.5	300.9	314.5	341.3	421.0	511.7	599.3	548.0	573.0
32.5°	117.2	224.3	333.0	414.8	494.2	512.3	561.7	807.4	966.5	969.1	841.1
30°	173.3	304.2	435.0	546.6	730.4	814.7	893.5	1198.7	1466.2	1638.3	1674.8
27.5°	243.7	395.6	559.6	760.5	1021.0	1173.1	1428.5	1756.2	2177.0	2492.1	2709.9
25°	322.7	536.9	695.8	1031.1	1367.9	1647.4	2005.8	2456.9	3047.1	3552.1	4023.5
22.5°	424.4	700.9	912.0	1334.2	1752.4	2160.1	2657.8	3306.4	4057.4	4714.0	5382.2
20°	552.2	887.1	1193.9	1708.2	2189.5	2680.2	3318.9	4220.7	5171.4	6099.8	6966.7
17.5°	690.6	1083.4	1509.6	2135.5	2786.6	3341.5	4010.2	5170.3	6344.5	7619.6	8882.2
15°	836.4	1286.8	1822.6	2601.6	3427.7	4183.2	5067.6	6249.5	7645.8	9281.2	10910.1
12.5°	986.1	1493.9	2129.8	3094.9	4096.4	5040.4	6166.5	7515.0	9118.1	11057.5	13032.7
10°	1135.9	1701.1	2427.6	3602.4	4779.7	5901.6	7237.6	8736.7	10569.7	12749.0	14983.3
7.5°	1407.5	1973.4	2736.5	4110.2	5463.4	6754.3	8271.6	9906.4	11944.4	14367.1	16810.9
5°	1697.6	2308.9	3157.9	4642.9	6109.0	7502.6	9201.4	11013.0	13231.6	15891.0	18540.9
2.5°	1979.4	2631.7	3560.0	5140.4	6702.6	8073.3	9826.6	11731.6	14081.1	16955.0	19855.1
0°	2244.0	2939.3	3938.5	5591.3	7248.2	8588.8	10381.1	12371.1	14752.5	17716.8	20768.5
-2.5°	2483.0	3220.5	4257.1	5867.1	7416.7	8716.4	10521.4	12517.0	14872.5	17719.6	20540.8
-5°	2693.2	3482.5	4545.8	6097.4	7542.6	8801.0	10588.0	12575.9	14885.8	17592.1	20226.2
-7.5°	2872.2	3723.8	4802.6	6263.1	7609.6	8868.8	10602.1	12555.0	14807.2	17360.5	19854.8
-10°	2991.7	3823.3	4818.7	6220.1	7591.2	8896.1	10553.6	12454.5	14623.0	17031.8	19394.4
-12.5°	2914.5	3786.5	4761.4	6124.3	7527.9	8860.8	10440.7	12278.1	14336.7	16624.6	18850.6
-15°	2827.0	3725.4	4668.1	5974.0	7419.7	8758.8	10266.6	12030.1	13845.5	15958.0	18154.3
-17.5°	2733.7	3639.1	4537.4	5767.9	7267.3	8586.6	9944.3	11376.0	13041.7	15113.5	17283.1
-20°	2638.9	3526.6	4368.7	5505.0	7058.0	8148.9	9260.1	10591.1	12170.5	14099.3	16271.2



REPORT NUMBER: P701720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2546.4	3387.4	4190.6	5273.9	6500.4	7529.7	8533.9	9731.5	11165.9	12911.3	14814.6
-25°	2476.6	3243.2	4018.2	4896.2	5914.4	6900.8	7754.5	8816.3	10121.1	11614.0	13119.9
-27.5°	2422.5	3115.2	3774.2	4523.5	5363.5	6266.7	7024.9	7936.5	9165.1	10360.9	11523.1
-30°	2364.9	2945.9	3527.0	4179.8	4922.3	5671.3	6329.1	7218.7	8311.9	9343.7	10268.8
-32.5°	2253.7	2767.0	3310.5	3898.9	4521.5	5138.6	5827.0	6669.9	7583.5	8470.8	9212.9
-35°	2122.0	2599.1	3102.0	3621.3	4147.4	4744.0	5429.7	6152.6	6925.7	7727.8	8573.6
-37.5°	2011.5	2424.2	2887.5	3364.2	3849.9	4405.6	5019.1	5682.9	6368.3	7085.5	7913.5
-40°	1892.7	2243.0	2683.7	3125.2	3572.3	4072.3	4636.1	5225.0	5839.2	6518.5	7235.0
-42.5°	1769.0	2102.6	2480.0	2881.5	3300.9	3748.8	4239.3	4786.8	5351.4	5948.1	6588.1
-45°	1662.5	1955.0	2279.0	2653.1	3026.1	3422.3	3865.5	4342.4	4872.4	5403.6	5960.7
-47.5°	1550.6	1808.2	2109.1	2421.1	2763.8	3114.9	3485.9	3935.2	4392.8	4879.9	5362.6
-50°	1438.8	1680.0	1932.5	2220.1	2513.9	2821.7	3147.1	3548.8	3968.7	4378.2	4801.3
-52.5°	1338.7	1546.6	1783.6	2027.7	2289.6	2556.6	2858.3	3207.9	3577.7	3942.4	4319.2
-55°	1234.9	1429.8	1638.3	1858.2	2083.0	2320.4	2598.2	2909.5	3213.8	3553.1	3890.3
-57.5°	1136.7	1316.5	1506.2	1700.2	1902.1	2107.3	2374.7	2633.5	2916.0	3197.7	3490.3
-60°	1040.7	1207.1	1381.2	1557.1	1732.1	1937.8	2164.8	2405.7	2646.2	2885.7	3159.4
-62.5°	943.6	1102.7	1261.2	1420.8	1583.4	1774.2	1990.5	2202.8	2407.8	2635.9	2868.0
-65°	850.8	995.9	1145.7	1293.1	1437.5	1622.4	1817.3	2018.2	2217.5	2408.9	2606.1
-67.5°	754.5	886.8	1024.8	1166.7	1305.6	1465.9	1640.1	1823.0	2008.9	2185.1	2365.8
-70°	653.4	772.7	897.1	1025.9	1160.4	1303.4	1452.3	1612.5	1777.1	1932.8	2090.1
-72.5°	548.1	651.5	761.6	878.1	995.1	1117.8	1248.2	1385.8	1520.5	1651.0	1786.9
-75°	445.7	526.7	618.8	717.0	816.6	920.2	1029.2	1141.4	1249.6	1355.6	1464.8
-77.5°	345.1	409.2	479.0	554.3	628.9	709.3	794.5	884.1	968.2	1050.7	1134.5
-80°	248.8	289.1	340.2	395.9	452.1	509.5	568.4	628.4	682.2	738.7	799.6
-82.5°	163.9	192.8	223.2	254.9	286.8	319.8	355.6	398.0	433.6	468.7	504.0
-85°	86.5	95.6	113.9	133.2	151.9	171.3	191.4	212.1	230.5	248.1	264.8
-87.5°	50.9	55.7	60.6	65.6	69.7	73.9	77.9	82.0	87.6	93.3	99.0
-90°	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2	6.2	6.2	6.2



REPORT NUMBER: P701720 (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°	22.9	24.0	25.0	26.1	27.1	27.6	28.1	28.6	29.1	29.6	30.2
87.5°	11.4	11.1	10.8	10.4	10.0	12.4	15.0	17.6	20.2	18.4	16.5
85°	23.1	23.1	22.9	22.6	22.3	25.7	29.3	32.8	36.3	33.2	29.8
82.5°	42.6	41.8	40.4	38.3	35.8	35.4	34.7	33.5	31.9	30.5	29.2
80°	67.1	64.0	59.9	55.1	49.6	46.6	43.7	40.5	37.0	35.9	35.1
77.5°	90.8	84.7	77.6	69.9	61.6	56.4	51.8	46.8	41.6	40.2	39.3
75°	107.3	99.7	89.1	77.9	66.2	58.4	52.5	46.8	41.1	39.0	37.8
72.5°	114.9	103.6	90.7	75.7	61.4	52.0	46.2	40.9	36.0	33.9	32.9
70°	109.1	93.2	78.4	64.2	50.8	41.9	37.7	34.1	31.1	29.6	28.8
67.5°	93.0	76.8	62.7	50.3	39.9	33.1	30.8	28.7	26.9	25.9	25.5
65°	72.0	59.5	48.7	39.8	32.8	28.1	26.3	24.6	22.9	21.9	21.5
62.5°	54.6	44.9	37.9	32.3	27.9	24.8	23.4	22.3	21.3	20.7	20.2
60°	43.7	35.6	31.2	28.2	25.6	23.3	22.9	22.7	22.4	22.0	21.2
57.5°	37.4	32.4	29.1	28.4	27.3	25.7	25.3	25.2	24.3	22.8	22.1
55°	35.8	34.5	33.1	33.7	33.7	32.4	30.5	29.2	28.0	26.9	27.0
52.5°	39.8	42.5	43.9	43.8	41.7	38.6	35.0	35.5	36.2	36.7	37.4
50°	53.2	56.5	56.4	51.8	51.5	49.7	45.5	47.5	50.1	50.7	51.1
47.5°	73.8	77.0	79.2	71.0	72.4	76.9	72.2	70.9	79.7	83.6	85.5
45°	107.6	120.8	124.6	127.0	123.5	135.0	135.1	129.7	146.8	156.1	159.3
42.5°	179.3	201.5	219.1	224.3	220.1	234.4	245.3	244.5	266.0	281.3	285.4
40°	300.1	321.0	346.2	355.6	359.7	372.8	400.4	418.2	439.8	463.7	475.8
37.5°	455.0	487.8	493.0	512.3	536.5	548.7	590.7	626.5	656.0	700.7	729.4
35°	681.9	768.7	675.2	719.6	781.0	788.0	826.2	909.1	929.8	1008.1	1051.4
32.5°	1100.6	1262.2	1241.0	1090.8	1222.8	1372.7	1205.8	1502.7	1476.1	1559.7	1665.9
30°	1737.1	2206.8	2259.0	2039.3	2405.9	2604.9	2573.0	2868.8	3058.4	3034.9	3402.9
27.5°	3099.0	3475.7	3646.8	3962.3	4160.4	4453.8	4970.3	5271.3	5812.5	6096.5	6437.2
25°	4573.0	5018.4	5568.1	6110.6	6522.8	7173.1	7898.0	8468.0	9234.1	9714.7	10065.0
22.5°	6166.3	6953.1	7718.3	8474.2	9306.2	10201.8	11057.0	12044.7	12977.1	13665.5	14186.0
20°	7913.1	9001.9	10084.4	11122.0	12160.0	13357.5	14416.5	15603.4	16748.7	17744.4	18430.1
17.5°	10072.5	11211.0	12593.3	13981.6	15326.4	16809.3	18373.5	19704.4	21310.5	22636.9	23634.6
15°	12424.4	13850.0	15358.8	17095.3	18911.3	20746.1	22643.4	24600.0	26428.4	28124.3	29394.5
12.5°	14852.9	16627.4	18465.8	20388.6	22494.3	24777.8	27161.8	29490.7	31751.4	33615.5	35358.3
10°	17185.7	19403.5	21536.7	23789.7	26214.6	28769.1	31560.9	34335.0	36962.5	39258.7	41134.1
7.5°	19229.8	21637.5	24098.6	26861.3	29739.5	32602.2	35626.9	38738.6	41729.1	44375.8	46568.4
5°	21151.2	23663.2	26156.4	29128.7	32304.4	35589.4	39014.0	42509.6	45738.1	48730.4	51158.7
2.5°	22649.4	25291.5	27855.2	31114.1	34465.3	37810.8	41302.8	45124.6	48726.0	51978.9	54361.4
0°	23564.1	26172.4	28649.5	32146.7	35593.9	39105.6	42956.6	47024.1	50816.8	53933.0	56254.1
-2.5°	23247.8	25792.6	28479.9	31915.2	35559.4	39071.7	42967.4	47072.3	50840.4	54007.0	56273.5
-5°	22813.4	25308.2	28028.1	31465.3	35022.0	38530.2	42371.1	46407.9	50108.6	53223.9	55370.4
-7.5°	22279.3	24687.3	27339.5	30673.0	34209.9	37722.3	41461.1	45280.6	48819.9	51916.5	53936.5
-10°	21647.9	23930.7	26554.5	29760.8	33270.7	36656.5	40209.1	43992.0	47543.9	50360.0	52528.0
-12.5°	20992.9	23216.9	25653.4	28687.0	32047.2	35195.0	38586.9	42229.7	45359.0	48238.9	50144.1
-15°	20242.8	22375.7	24660.3	27456.5	30501.9	33448.2	36394.5	39607.0	42462.4	45023.2	47047.7
-17.5°	19374.7	21395.5	23400.6	25914.8	28830.6	31462.2	34041.8	36839.2	39377.6	41728.7	43481.4
-20°	18175.5	19838.5	21765.2	24170.4	26696.2	28915.9	31269.7	33619.6	35879.4	37869.6	39353.8



REPORT NUMBER: P701720 (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°	16458.0	18076.1	19860.9	21828.2	23941.5	25980.4	27995.1	29917.7	31756.4	33412.6	34607.1
-25°	14629.7	16107.7	17718.8	19354.0	21041.5	22868.0	24635.1	26222.1	27734.0	29013.6	29997.6
-27.5°	12813.2	14210.9	15619.5	16939.2	18288.8	19814.5	21361.1	22689.8	23970.4	24972.8	25739.9
-30°	11190.7	12684.8	13925.2	14823.1	16131.0	17469.5	18472.2	19681.2	20690.0	21329.6	22154.1
-32.5°	10296.6	11423.6	12548.2	13471.3	14510.6	15685.0	16634.5	17622.1	18473.5	19161.0	19679.4
-35°	9481.0	10471.2	11421.5	12371.2	13299.2	14242.5	15117.8	15951.5	16706.6	17314.5	17794.9
-37.5°	8748.3	9605.4	10465.6	11284.9	12118.5	12907.0	13658.3	14377.4	15012.3	15560.2	16013.0
-40°	8008.5	8774.2	9530.7	10271.6	11000.5	11644.1	12290.2	12884.3	13420.2	13905.1	14300.9
-42.5°	7265.7	7948.9	8611.5	9283.6	9930.6	10489.2	11022.5	11513.6	11973.1	12386.4	12727.9
-45°	6535.4	7138.8	7722.7	8319.4	8864.8	9374.0	9839.0	10252.5	10647.3	10995.6	11282.6
-47.5°	5877.3	6368.6	6889.6	7399.1	7872.5	8331.0	8737.7	9101.7	9448.0	9742.9	9977.2
-50°	5265.5	5714.2	6153.4	6566.1	7008.5	7410.5	7754.6	8090.1	8405.1	8668.2	8865.9
-52.5°	4690.4	5104.4	5499.3	5884.3	6268.2	6625.9	6956.0	7262.7	7537.9	7779.1	7950.3
-55°	4235.1	4573.4	4893.3	5263.7	5616.1	5934.1	6229.7	6527.5	6792.7	7027.0	7170.0
-57.5°	3804.0	4109.3	4413.8	4734.1	5044.0	5342.7	5623.4	5884.4	6128.7	6348.0	6471.2
-60°	3419.4	3665.8	3955.4	4250.8	4531.7	4798.3	5061.8	5306.6	5533.8	5724.6	5833.5
-62.5°	3097.1	3331.2	3576.2	3822.9	4066.1	4314.2	4553.3	4780.7	4996.3	5170.1	5275.9
-65°	2813.0	3024.9	3239.1	3457.7	3679.2	3897.6	4101.2	4301.0	4495.8	4644.8	4740.1
-67.5°	2545.5	2727.8	2907.8	3093.9	3284.7	3473.2	3652.7	3829.8	4003.2	4123.4	4198.1
-70°	2252.3	2413.3	2568.3	2724.9	2880.8	3034.0	3182.4	3330.4	3476.6	3573.1	3637.0
-72.5°	1927.4	2061.9	2187.7	2312.8	2440.2	2566.1	2688.1	2806.8	2921.4	2996.1	3051.3
-75°	1576.5	1679.1	1776.9	1875.5	1974.3	2076.6	2177.4	2274.0	2366.0	2422.0	2464.9
-77.5°	1219.4	1292.0	1360.9	1430.3	1499.6	1578.9	1659.2	1737.0	1812.0	1851.6	1881.1
-80°	861.1	912.0	959.0	1004.0	1046.8	1097.3	1148.2	1197.5	1244.8	1267.5	1284.1
-82.5°	539.4	569.2	597.2	623.7	648.7	675.8	701.5	725.4	747.5	758.3	766.5
-85°	280.6	293.6	305.6	316.7	326.8	339.3	351.1	362.1	372.3	375.6	377.7
-87.5°	104.7	108.6	112.4	116.0	119.5	124.2	128.9	133.4	137.7	138.9	139.9
-90°	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.7	4.2	4.2	4.2



REPORT NUMBER: P701720 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	30.7	31.2	31.2	31.2	31.2	31.2	30.7	30.2	29.6	29.1	28.6
87.5°	14.5	12.5	11.4	10.4	11.4	12.5	14.5	16.5	18.4	20.2	17.6
85°	26.4	22.8	21.8	20.8	21.8	22.8	26.4	29.8	33.2	36.3	32.8
82.5°	28.1	27.1	27.1	27.1	27.1	27.1	28.1	29.2	30.5	31.9	33.5
80°	34.2	33.2	33.3	33.3	33.3	33.2	34.2	35.1	35.9	37.0	40.5
77.5°	38.4	37.5	37.5	37.5	37.5	37.5	38.4	39.3	40.2	41.6	46.8
75°	36.7	35.5	35.4	35.4	35.4	35.5	36.7	37.8	39.0	41.1	46.8
72.5°	32.1	31.4	31.2	31.2	31.2	31.4	32.1	32.9	33.9	36.0	40.9
70°	28.0	27.3	27.1	27.1	27.1	27.3	28.0	28.8	29.6	31.1	34.1
67.5°	25.2	25.1	25.0	25.0	25.0	25.1	25.2	25.5	25.9	26.9	28.7
65°	21.2	21.0	20.8	20.8	20.8	21.0	21.2	21.5	21.9	22.9	24.6
62.5°	19.6	18.9	17.9	16.7	17.9	18.9	19.6	20.2	20.7	21.3	22.3
60°	20.1	19.0	18.7	18.7	18.7	19.0	20.1	21.2	22.0	22.4	22.7
57.5°	21.5	20.9	20.8	20.8	20.8	20.9	21.5	22.1	22.8	24.3	25.2
55°	27.1	26.9	27.0	27.1	27.0	26.9	27.1	27.0	26.9	28.0	29.2
52.5°	37.6	37.3	37.3	37.5	37.3	37.3	37.6	37.4	36.7	36.2	35.5
50°	51.6	51.6	51.1	50.0	51.1	51.6	51.6	51.1	50.7	50.1	47.5
47.5°	86.7	85.4	84.0	83.3	84.0	85.4	86.7	85.5	83.6	79.7	70.9
45°	163.1	161.8	159.5	158.2	159.5	161.8	163.1	159.3	156.1	146.8	129.7
42.5°	292.0	289.6	284.1	281.0	284.1	289.6	292.0	285.4	281.3	266.0	244.5
40°	489.4	492.0	487.7	485.0	487.7	492.0	489.4	475.8	463.7	439.8	418.2
37.5°	752.3	763.3	761.8	757.7	761.8	763.3	752.3	729.4	700.7	656.0	626.5
35°	1071.2	1083.5	1077.2	1076.2	1077.2	1083.5	1071.2	1051.4	1008.1	929.8	909.1
32.5°	1586.2	1568.2	1501.1	1519.6	1501.1	1568.2	1586.2	1665.9	1559.7	1476.1	1502.7
30°	3427.7	3493.6	3305.8	3155.8	3305.8	3493.6	3427.7	3402.9	3034.9	3058.4	2868.8
27.5°	6470.8	6613.0	6586.5	6740.3	6586.5	6613.0	6470.8	6437.2	6096.5	5812.5	5271.3
25°	10202.5	10296.7	10302.7	10025.1	10302.7	10296.7	10202.5	10065.0	9714.7	9234.1	8468.0
22.5°	14378.7	14469.7	14635.6	14636.0	14635.6	14469.7	14378.7	14186.0	13665.5	12977.1	12044.7
20°	18906.9	18923.5	19240.5	19263.4	19240.5	18923.5	18906.9	18430.1	17744.4	16748.7	15603.4
17.5°	24336.9	24601.0	25029.5	24779.8	25029.5	24601.0	24336.9	23634.6	22636.9	21310.5	19704.4
15°	30596.6	31186.6	31644.7	31438.9	31644.7	31186.6	30596.6	29394.5	28124.3	26428.4	24600.0
12.5°	36744.0	37674.0	38116.8	38008.6	38116.8	37674.0	36744.0	35358.3	33615.5	31751.4	29490.7
10°	42595.5	43904.6	44374.7	44540.7	44374.7	43904.6	42595.5	41134.1	39258.7	36962.5	34335.0
7.5°	48205.1	49404.6	50117.6	49819.8	50117.6	49404.6	48205.1	46568.4	44375.8	41729.1	38738.6
5°	52707.3	53720.5	54296.3	54091.3	54296.3	53720.5	52707.3	51158.7	48730.4	45738.1	42509.6
2.5°	55895.9	56841.9	57341.1	57089.9	57341.1	56841.9	55895.9	54361.4	51978.9	48726.0	45124.6
0°	57717.5	58681.3	59246.4	59287.0	59246.4	58681.3	57717.5	56254.1	53933.0	50816.8	47024.1
-2.5°	57646.3	58327.1	58724.3	58522.0	58724.3	58327.1	57646.3	56273.5	54007.0	50840.4	47072.3
-5°	56439.5	57014.5	57220.8	57132.5	57220.8	57014.5	56439.5	55370.4	53223.9	50108.6	46407.9
-7.5°	54950.6	55374.6	55516.3	55411.0	55516.3	55374.6	54950.6	53936.5	51916.5	48819.9	45280.6
-10°	53510.3	53933.9	54005.7	53945.5	54005.7	53933.9	53510.3	52528.0	50360.0	47543.9	43992.0
-12.5°	51413.1	51872.2	51887.2	51747.4	51887.2	51872.2	51413.1	50144.1	48238.9	45359.0	42229.7
-15°	48142.3	48517.8	48578.3	48500.0	48578.3	48517.8	48142.3	47047.7	45023.2	42462.4	39607.0
-17.5°	44506.7	44755.3	45024.7	45325.5	45024.7	44755.3	44506.7	43481.4	41728.7	39377.6	36839.2
-20°	40141.6	40439.0	40756.9	41093.5	40756.9	40439.0	40141.6	39353.8	37869.6	35879.4	33619.6



REPORT NUMBER: P701720 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	35235.9	35570.1	35896.1	36066.4	35896.1	35570.1	35235.9	34607.1	33412.6	31756.4	29917.7
-25°	30490.4	30897.4	31154.8	31309.9	31154.8	30897.4	30490.4	29997.6	29013.6	27734.0	26222.1
-27.5°	26140.0	26622.5	26860.0	26961.3	26860.0	26622.5	26140.0	25739.9	24972.8	23970.4	22689.8
-30°	22475.9	22772.2	22813.2	22966.7	22813.2	22772.2	22475.9	22154.1	21329.6	20690.0	19681.2
-32.5°	20060.3	20389.4	20589.4	20758.1	20589.4	20389.4	20060.3	19679.4	19161.0	18473.5	17622.1
-35°	18167.7	18465.9	18662.0	18743.0	18662.0	18465.9	18167.7	17794.9	17314.5	16706.6	15951.5
-37.5°	16353.8	16579.1	16716.2	16825.8	16716.2	16579.1	16353.8	16013.0	15560.2	15012.3	14377.4
-40°	14604.8	14828.2	14963.9	15000.3	14963.9	14828.2	14604.8	14300.9	13905.1	13420.2	12884.3
-42.5°	12972.4	13144.4	13262.5	13343.3	13262.5	13144.4	12972.4	12727.9	12386.4	11973.1	11513.6
-45°	11494.2	11645.8	11750.9	11815.4	11750.9	11645.8	11494.2	11282.6	10995.6	10647.3	10252.5
-47.5°	10149.7	10271.6	10355.3	10404.0	10355.3	10271.6	10149.7	9977.2	9742.9	9448.0	9101.7
-50°	9013.3	9122.3	9199.6	9246.6	9199.6	9122.3	9013.3	8865.9	8668.2	8405.1	8090.1
-52.5°	8084.1	8190.0	8267.8	8318.2	8267.8	8190.0	8084.1	7950.3	7779.1	7537.9	7262.7
-55°	7288.8	7386.1	7456.6	7502.2	7456.6	7386.1	7288.8	7170.0	7027.0	6792.7	6527.5
-57.5°	6575.8	6661.8	6721.5	6759.1	6721.5	6661.8	6575.8	6471.2	6348.0	6128.7	5884.4
-60°	5926.4	6003.9	6058.8	6097.1	6058.8	6003.9	5926.4	5833.5	5724.6	5533.8	5306.6
-62.5°	5369.6	5451.0	5494.6	5518.4	5494.6	5451.0	5369.6	5275.9	5170.1	4996.3	4780.7
-65°	4827.7	4906.3	4948.7	4973.0	4948.7	4906.3	4827.7	4740.1	4644.8	4495.8	4301.0
-67.5°	4264.0	4320.7	4363.7	4396.4	4363.7	4320.7	4264.0	4198.1	4123.4	4003.2	3829.8
-70°	3691.9	3737.7	3739.1	3726.1	3739.1	3737.7	3691.9	3637.0	3573.1	3476.6	3330.4
-72.5°	3099.1	3139.2	3149.7	3149.5	3149.7	3139.2	3099.1	3051.3	2996.1	2921.4	2806.8
-75°	2501.9	2532.7	2553.4	2566.7	2553.4	2532.7	2501.9	2464.9	2422.0	2366.0	2274.0
-77.5°	1905.2	1923.7	1941.0	1952.6	1941.0	1923.7	1905.2	1881.1	1851.6	1812.0	1737.0
-80°	1296.7	1305.4	1307.4	1305.2	1307.4	1305.4	1296.7	1284.1	1267.5	1244.8	1197.5
-82.5°	772.4	776.0	772.2	766.0	772.2	776.0	772.4	766.5	758.3	747.5	725.4
-85°	378.9	379.1	378.4	376.8	378.4	379.1	378.9	377.7	375.6	372.3	362.1
-87.5°	140.7	141.2	143.5	145.7	143.5	141.2	140.7	139.9	138.9	137.7	133.4
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28.1	27.6	27.1	26.1	25.0	24.0	22.9	21.9	20.8	19.8	18.7
87.5°	15.0	12.4	10.0	10.4	10.8	11.1	11.4	10.8	10.2	9.7	9.2
85°	29.3	25.7	22.3	22.6	22.9	23.1	23.1	22.6	22.0	21.0	19.9
82.5°	34.7	35.4	35.8	38.3	40.4	41.8	42.6	42.8	42.2	40.8	38.5
80°	43.7	46.6	49.6	55.1	59.9	64.0	67.1	69.1	70.4	70.8	68.8
77.5°	51.8	56.4	61.6	69.9	77.6	84.7	90.8	94.5	96.6	97.8	95.2
75°	52.5	58.4	66.2	77.9	89.1	99.7	107.3	112.3	116.5	120.0	117.3
72.5°	46.2	52.0	61.4	75.7	90.7	103.6	114.9	124.4	132.1	138.0	133.1
70°	37.7	41.9	50.8	64.2	78.4	93.2	109.1	125.6	142.6	153.6	144.8
67.5°	30.8	33.1	39.9	50.3	62.7	76.8	93.0	111.8	130.0	147.6	144.4
65°	26.3	28.1	32.8	39.8	48.7	59.5	72.0	87.7	106.9	126.9	128.6
62.5°	23.4	24.8	27.9	32.3	37.9	44.9	54.6	67.7	82.7	95.1	101.6
60°	22.9	23.3	25.6	28.2	31.2	35.6	43.7	52.7	62.7	73.3	78.9
57.5°	25.3	25.7	27.3	28.4	29.1	32.4	37.4	43.3	52.3	59.0	63.0
55°	30.5	32.4	33.7	33.7	33.1	34.5	35.8	38.9	45.6	51.9	57.6
52.5°	35.0	38.6	41.7	43.8	43.9	42.5	39.8	40.9	44.6	50.9	56.1
50°	45.5	49.7	51.5	51.8	56.4	56.5	53.2	49.0	55.0	58.0	58.2
47.5°	72.2	76.9	72.4	71.0	79.2	77.0	73.8	73.4	80.7	74.8	72.4
45°	135.1	135.0	123.5	127.0	124.6	120.8	107.6	118.9	120.9	114.3	94.4
42.5°	245.3	234.4	220.1	224.3	219.1	201.5	179.3	185.1	181.4	166.9	155.1
40°	400.4	372.8	359.7	355.6	346.2	321.0	300.1	269.9	260.0	238.1	234.4
37.5°	590.7	548.7	536.5	512.3	493.0	487.8	455.0	400.1	351.7	372.7	346.0
35°	826.2	788.0	781.0	719.6	675.2	768.7	681.9	573.0	548.0	599.3	511.7
32.5°	1205.8	1372.7	1222.8	1090.8	1241.0	1262.2	1100.6	841.1	969.1	966.5	807.4
30°	2573.0	2604.9	2405.9	2039.3	2259.0	2206.8	1737.1	1674.8	1638.3	1466.2	1198.7
27.5°	4970.3	4453.8	4160.4	3962.3	3646.8	3475.7	3099.0	2709.9	2492.1	2177.0	1756.2
25°	7898.0	7173.1	6522.8	6110.6	5568.1	5018.4	4573.0	4023.5	3552.1	3047.1	2456.9
22.5°	11057.0	10201.8	9306.2	8474.2	7718.3	6953.1	6166.3	5382.2	4714.0	4057.4	3306.4
20°	14416.5	13357.5	12160.0	11122.0	10084.4	9001.9	7913.1	6966.7	6099.8	5171.4	4220.7
17.5°	18373.5	16809.3	15326.4	13981.6	12593.3	11211.0	10072.5	8882.2	7619.6	6344.5	5170.3
15°	22643.4	20746.1	18911.3	17095.3	15358.8	13850.0	12424.4	10910.1	9281.2	7645.8	6249.5
12.5°	27161.8	24777.8	22494.3	20388.6	18465.8	16627.4	14852.9	13032.7	11057.5	9118.1	7515.0
10°	31560.9	28769.1	26214.6	23789.7	21536.7	19403.5	17185.7	14983.3	12749.0	10569.7	8736.7
7.5°	35626.9	32602.2	29739.5	26861.3	24098.6	21637.5	19229.8	16810.9	14367.1	11944.4	9906.4
5°	39014.0	35589.4	32304.4	29128.7	26156.4	23663.2	21151.2	18540.9	15891.0	13231.6	11013.0
2.5°	41302.8	37810.8	34465.3	31114.1	27855.2	25291.5	22649.4	19855.1	16955.0	14081.1	11731.6
0°	42956.6	39105.6	35593.9	32146.7	28649.5	26172.4	23564.1	20768.5	17716.8	14752.5	12371.1
-2.5°	42967.4	39071.7	35559.4	31915.2	28479.9	25792.6	23247.8	20540.8	17719.6	14872.5	12517.0
-5°	42371.1	38530.2	35022.0	31465.3	28028.1	25308.2	22813.4	20226.2	17592.1	14885.8	12575.9
-7.5°	41461.1	37722.3	34209.9	30673.0	27339.5	24687.3	22279.3	19854.8	17360.5	14807.2	12555.0
-10°	40209.1	36656.5	33270.7	29760.8	26554.5	23930.7	21647.9	19394.4	17031.8	14623.0	12454.5
-12.5°	38586.9	35195.0	32047.2	28687.0	25653.4	23216.9	20992.9	18850.6	16624.6	14336.7	12278.1
-15°	36394.5	33448.2	30501.9	27456.5	24660.3	22375.7	20242.8	18154.3	15958.0	13845.5	12030.1
-17.5°	34041.8	31462.2	28830.6	25914.8	23400.6	21395.5	19374.7	17283.1	15113.5	13041.7	11376.0
-20°	31269.7	28915.9	26696.2	24170.4	21765.2	19838.5	18175.5	16271.2	14099.3	12170.5	10591.1



REPORT NUMBER: P701720 (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°	27995.1	25980.4	23941.5	21828.2	19860.9	18076.1	16458.0	14814.6	12911.3	11165.9	9731.5
-25°	24635.1	22868.0	21041.5	19354.0	17718.8	16107.7	14629.7	13119.9	11614.0	10121.1	8816.3
-27.5°	21361.1	19814.5	18288.8	16939.2	15619.5	14210.9	12813.2	11523.1	10360.9	9165.1	7936.5
-30°	18472.2	17469.5	16131.0	14823.1	13925.2	12684.8	11190.7	10268.8	9343.7	8311.9	7218.7
-32.5°	16634.5	15685.0	14510.6	13471.3	12548.2	11423.6	10296.6	9212.9	8470.8	7583.5	6669.9
-35°	15117.8	14242.5	13299.2	12371.2	11421.5	10471.2	9481.0	8573.6	7727.8	6925.7	6152.6
-37.5°	13658.3	12907.0	12118.5	11284.9	10465.6	9605.4	8748.3	7913.5	7085.5	6368.3	5682.9
-40°	12290.2	11644.1	11000.5	10271.6	9530.7	8774.2	8008.5	7235.0	6518.5	5839.2	5225.0
-42.5°	11022.5	10489.2	9930.6	9283.6	8611.5	7948.9	7265.7	6588.1	5948.1	5351.4	4786.8
-45°	9839.0	9374.0	8864.8	8319.4	7722.7	7138.8	6535.4	5960.7	5403.6	4872.4	4342.4
-47.5°	8737.7	8331.0	7872.5	7399.1	6889.6	6368.6	5877.3	5362.6	4879.9	4392.8	3935.2
-50°	7754.6	7410.5	7008.5	6566.1	6153.4	5714.2	5265.5	4801.3	4378.2	3968.7	3548.8
-52.5°	6956.0	6625.9	6268.2	5884.3	5499.3	5104.4	4690.4	4319.2	3942.4	3577.7	3207.9
-55°	6229.7	5934.1	5616.1	5263.7	4893.3	4573.4	4235.1	3890.3	3553.1	3213.8	2909.5
-57.5°	5623.4	5342.7	5044.0	4734.1	4413.8	4109.3	3804.0	3490.3	3197.7	2916.0	2633.5
-60°	5061.8	4798.3	4531.7	4250.8	3955.4	3665.8	3419.4	3159.4	2885.7	2646.2	2405.7
-62.5°	4553.3	4314.2	4066.1	3822.9	3576.2	3331.2	3097.1	2868.0	2635.9	2407.8	2202.8
-65°	4101.2	3897.6	3679.2	3457.7	3239.1	3024.9	2813.0	2606.1	2408.9	2217.5	2018.2
-67.5°	3652.7	3473.2	3284.7	3093.9	2907.8	2727.8	2545.5	2365.8	2185.1	2008.9	1823.0
-70°	3182.4	3034.0	2880.8	2724.9	2568.3	2413.3	2252.3	2090.1	1932.8	1777.1	1612.5
-72.5°	2688.1	2566.1	2440.2	2312.8	2187.7	2061.9	1927.4	1786.9	1651.0	1520.5	1385.8
-75°	2177.4	2076.6	1974.3	1875.5	1776.9	1679.1	1576.5	1464.8	1355.6	1249.6	1141.4
-77.5°	1659.2	1578.9	1499.6	1430.3	1360.9	1292.0	1219.4	1134.5	1050.7	968.2	884.1
-80°	1148.2	1097.3	1046.8	1004.0	959.0	912.0	861.1	799.6	738.7	682.2	628.4
-82.5°	701.5	675.8	648.7	623.7	597.2	569.2	539.4	504.0	468.7	433.6	398.0
-85°	351.1	339.3	326.8	316.7	305.6	293.6	280.6	264.8	248.1	230.5	212.1
-87.5°	128.9	124.2	119.5	116.0	112.4	108.6	104.7	99.0	93.3	87.6	82.0
-90°	5.2	5.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2



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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°	18.2	17.7	17.2	16.7	16.2	15.7	15.1	14.6	14.1	13.6	13.0
87.5°	11.0	12.6	14.1	15.5	14.7	14.0	13.3	12.7	12.7	12.6	12.4
85°	20.4	21.0	21.9	22.9	21.5	19.7	18.4	17.1	17.1	16.9	16.5
82.5°	34.8	33.0	32.0	31.4	30.8	29.7	27.8	25.3	22.6	21.2	20.5
80°	61.3	54.6	48.7	43.8	40.9	39.7	38.3	35.4	29.6	25.6	23.4
77.5°	85.2	76.0	67.6	59.4	52.3	47.4	44.7	43.1	36.3	29.7	25.4
75°	106.4	94.5	83.3	72.6	62.5	54.4	48.6	44.4	38.9	33.3	27.2
72.5°	120.4	108.3	96.8	84.4	71.3	60.4	51.9	45.6	39.9	34.2	28.6
70°	131.2	119.3	107.0	92.9	78.8	65.6	54.9	47.4	40.9	35.1	29.3
67.5°	138.5	124.1	111.9	99.9	85.4	70.9	57.4	49.2	42.6	35.9	30.0
65°	124.2	119.4	113.5	100.9	88.7	75.8	61.4	51.6	44.1	37.3	30.6
62.5°	105.7	106.3	102.7	98.8	89.0	77.0	65.2	55.4	45.9	38.5	31.5
60°	82.8	87.7	90.9	89.5	85.4	76.7	66.6	58.9	49.0	39.7	32.5
57.5°	68.5	70.5	75.6	79.3	78.1	73.3	67.4	60.7	51.8	41.8	33.6
55°	59.3	62.4	64.3	67.3	70.1	67.7	66.9	61.7	54.1	44.0	35.0
52.5°	59.1	60.1	60.5	59.6	60.9	63.0	64.0	62.7	55.2	46.0	37.4
50°	61.5	66.8	63.4	59.1	54.4	57.8	61.5	61.0	56.3	47.7	39.8
47.5°	72.5	80.1	75.6	63.6	56.4	53.4	58.3	59.1	57.4	48.7	42.3
45°	102.4	101.3	94.5	79.8	62.0	57.2	55.5	57.6	56.1	51.3	44.8
42.5°	143.2	137.4	122.8	99.1	86.6	65.3	53.4	55.9	54.9	54.2	47.4
40°	214.8	184.6	159.7	144.9	123.7	75.7	61.2	54.7	54.4	57.1	50.2
37.5°	298.6	253.4	210.1	211.1	174.4	117.9	71.4	54.1	57.7	59.6	53.3
35°	421.0	341.3	314.5	300.9	247.5	167.5	82.9	58.1	62.3	62.9	56.5
32.5°	561.7	512.3	494.2	414.8	333.0	224.3	117.2	74.7	68.2	66.8	60.0
30°	893.5	814.7	730.4	546.6	435.0	304.2	173.3	91.6	75.3	71.4	63.5
27.5°	1428.5	1173.1	1021.0	760.5	559.6	395.6	243.7	108.9	83.6	76.9	67.1
25°	2005.8	1647.4	1367.9	1031.1	695.8	536.9	322.7	128.3	96.5	83.5	71.0
22.5°	2657.8	2160.1	1752.4	1334.2	912.0	700.9	424.4	190.2	111.2	90.8	75.1
20°	3318.9	2680.2	2189.5	1708.2	1193.9	887.1	552.2	255.8	125.8	98.5	79.5
17.5°	4010.2	3341.5	2786.6	2135.5	1509.6	1083.4	690.6	323.8	140.2	106.7	84.1
15°	5067.6	4183.2	3427.7	2601.6	1822.6	1286.8	836.4	392.8	154.2	115.1	93.3
12.5°	6166.5	5040.4	4096.4	3094.9	2129.8	1493.9	986.1	461.5	167.9	132.6	108.6
10°	7237.6	5901.6	4779.7	3602.4	2427.6	1701.1	1135.9	552.0	209.2	157.7	124.1
7.5°	8271.6	6754.3	5463.4	4110.2	2736.5	1973.4	1407.5	692.7	255.8	183.1	139.8
5°	9201.4	7502.6	6109.0	4642.9	3157.9	2308.9	1697.6	832.8	303.1	208.6	155.3
2.5°	9826.6	8073.3	6702.6	5140.4	3560.0	2631.7	1979.4	967.7	350.0	233.7	170.5
0°	10381.1	8588.8	7248.2	5591.3	3938.5	2939.3	2244.0	1092.9	395.5	258.1	185.3
-2.5°	10521.4	8716.4	7416.7	5867.1	4257.1	3220.5	2483.0	1286.3	543.0	349.4	243.2
-5°	10588.0	8801.0	7542.6	6097.4	4545.8	3482.5	2693.2	1463.0	685.2	438.1	299.6
-7.5°	10602.1	8868.8	7609.6	6263.1	4802.6	3723.8	2872.2	1620.5	819.4	522.9	353.7
-10°	10553.6	8896.1	7591.2	6220.1	4818.7	3823.3	2991.7	1756.5	943.0	602.4	404.7
-12.5°	10440.7	8860.8	7527.9	6124.3	4761.4	3786.5	2914.5	1808.1	1049.2	675.4	451.9
-15°	10266.6	8758.8	7419.7	5974.0	4668.1	3725.4	2827.0	1816.1	1114.1	739.4	494.4
-17.5°	9944.3	8586.6	7267.3	5767.9	4537.4	3639.1	2733.7	1813.1	1169.6	794.5	534.8
-20°	9260.1	8148.9	7058.0	5505.0	4368.7	3526.6	2638.9	1800.6	1215.3	842.2	572.6



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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°	8533.9	7529.7	6500.4	5273.9	4190.6	3387.4	2546.4	1779.6	1250.8	881.9	604.9
-25°	7754.5	6900.8	5914.4	4896.2	4018.2	3243.2	2476.6	1751.3	1275.7	913.2	631.3
-27.5°	7024.9	6266.7	5363.5	4523.5	3774.2	3115.2	2422.5	1769.1	1296.2	935.5	651.4
-30°	6329.1	5671.3	4922.3	4179.8	3527.0	2945.9	2364.9	1776.2	1317.9	954.1	664.9
-32.5°	5827.0	5138.6	4521.5	3898.9	3310.5	2767.0	2253.7	1770.0	1327.5	967.2	675.4
-35°	5429.7	4744.0	4147.4	3621.3	3102.0	2599.1	2122.0	1750.4	1324.7	971.1	680.5
-37.5°	5019.1	4405.6	3849.9	3364.2	2887.5	2424.2	2011.5	1664.9	1309.4	965.8	679.0
-40°	4636.1	4072.3	3572.3	3125.2	2683.7	2243.0	1892.7	1579.3	1291.0	951.0	670.7
-42.5°	4239.3	3748.8	3300.9	2881.5	2480.0	2102.6	1769.0	1488.2	1228.8	932.1	655.7
-45°	3865.5	3422.3	3026.1	2653.1	2279.0	1955.0	1662.5	1394.3	1157.3	906.8	637.0
-47.5°	3485.9	3114.9	2763.8	2421.1	2109.1	1808.2	1550.6	1310.6	1082.4	872.0	616.4
-50°	3147.1	2821.7	2513.9	2220.1	1932.5	1680.0	1438.8	1223.1	1013.8	811.0	589.6
-52.5°	2858.3	2556.6	2289.6	2027.7	1783.6	1546.6	1338.7	1133.2	942.2	753.7	556.7
-55°	2598.2	2320.4	2083.0	1858.2	1638.3	1429.8	1234.9	1050.9	867.8	696.4	519.1
-57.5°	2374.7	2107.3	1902.1	1700.2	1506.2	1316.5	1136.7	965.7	797.9	636.4	484.7
-60°	2164.8	1937.8	1732.1	1557.1	1381.2	1207.1	1040.7	880.7	727.3	575.8	441.7
-62.5°	1990.5	1774.2	1583.4	1420.8	1261.2	1102.7	943.6	798.9	654.0	519.3	394.3
-65°	1817.3	1622.4	1437.5	1293.1	1145.7	995.9	850.8	714.3	583.0	460.0	347.7
-67.5°	1640.1	1465.9	1305.6	1166.7	1024.8	886.8	754.5	629.0	510.1	397.9	306.8
-70°	1452.3	1303.4	1160.4	1025.9	897.1	772.7	653.4	541.1	434.3	344.6	263.8
-72.5°	1248.2	1117.8	995.1	878.1	761.6	651.5	548.1	452.5	367.2	289.3	219.0
-75°	1029.2	920.2	816.6	717.0	618.8	526.7	445.7	370.3	298.0	232.0	178.4
-77.5°	794.5	709.3	628.9	554.3	479.0	409.2	345.1	285.6	229.8	181.9	138.6
-80°	568.4	509.5	452.1	395.9	340.2	289.1	248.8	209.9	168.9	131.6	97.8
-82.5°	355.6	319.8	286.8	254.9	223.2	192.8	163.9	136.2	106.9	80.2	64.6
-85°	191.4	171.3	151.9	133.2	113.9	95.6	86.5	77.7	66.8	56.8	47.6
-87.5°	77.9	73.9	69.7	65.6	60.6	55.7	50.9	46.2	40.5	35.2	30.4
-90°	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.5	12.0	11.5	10.9	10.4	9.4	8.3
87.5°	12.1	11.1	10.3	9.6	9.0	8.6	8.3
85°	15.8	13.9	12.3	10.9	9.8	8.9	8.3
82.5°	19.5	16.7	14.2	12.2	10.5	9.3	8.3
80°	22.8	19.4	16.2	13.4	11.2	9.6	8.3
77.5°	23.2	21.2	18.1	14.7	11.9	9.9	8.3
75°	23.6	21.3	19.6	15.9	12.6	10.2	8.3
72.5°	23.9	21.4	19.5	17.1	13.3	10.5	8.3
70°	24.2	21.4	19.3	17.9	14.0	10.8	8.3
67.5°	25.0	21.4	19.2	17.7	14.6	11.1	8.3
65°	25.8	21.7	19.0	17.5	15.2	11.4	8.3
62.5°	26.6	22.4	18.7	17.2	15.8	11.6	8.3
60°	27.4	23.1	18.4	16.9	16.4	11.9	8.3
57.5°	28.6	23.8	19.0	16.6	16.3	12.2	8.3
55°	30.0	24.4	19.5	16.3	16.2	12.4	8.3
52.5°	31.3	25.2	20.1	15.9	16.1	12.6	8.3
50°	32.7	26.3	20.6	15.5	16.0	12.9	8.3
47.5°	34.1	27.5	21.1	15.3	16.0	13.1	8.3
45°	36.3	28.6	21.5	15.7	16.0	13.3	8.3
42.5°	38.4	29.7	22.0	16.0	16.0	13.5	8.3
40°	40.4	30.8	22.6	16.6	16.0	13.6	8.3
37.5°	42.5	31.9	23.4	17.5	16.1	13.8	8.3
35°	44.4	33.3	24.2	18.4	16.1	14.0	8.3
32.5°	46.6	34.8	24.9	19.3	16.3	14.1	8.3
30°	49.3	36.3	25.6	20.2	16.4	14.2	8.3
27.5°	51.9	37.6	27.6	21.2	16.5	14.3	8.3
25°	54.7	38.9	30.0	22.2	16.7	14.4	8.3
22.5°	57.4	41.3	32.3	23.2	16.9	14.5	8.3
20°	60.0	46.5	34.8	24.2	17.1	14.6	8.3
17.5°	67.0	52.0	37.3	25.1	17.3	14.6	8.3
15°	76.8	57.6	39.9	26.1	17.5	14.6	8.3
12.5°	86.7	63.4	42.4	27.1	17.7	14.7	8.3
10°	96.8	69.3	44.9	28.0	17.9	14.7	8.3
7.5°	106.8	75.1	47.4	28.9	18.1	14.7	8.3
5°	116.6	80.8	49.7	29.7	18.3	14.7	8.3
2.5°	126.1	86.4	52.0	30.5	18.5	14.6	8.3
0°	135.3	91.6	54.1	31.2	18.7	14.6	8.3
-2.5°	170.4	111.2	64.6	35.8	20.1	14.9	8.3
-5°	204.5	130.3	74.9	40.3	21.4	15.1	8.3
-7.5°	237.1	148.5	84.7	44.6	22.7	15.4	8.3
-10°	267.9	165.7	94.0	48.7	23.9	15.6	8.3
-12.5°	296.2	181.6	102.6	52.5	25.1	15.8	8.3
-15°	321.8	196.1	110.5	56.0	26.2	16.0	8.3
-17.5°	344.2	208.9	117.5	59.1	27.2	16.1	8.3
-20°	366.1	219.9	123.5	61.7	28.2	16.3	8.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	389.4	228.9	128.5	63.9	29.0	16.4	8.3
-25°	408.7	240.7	132.3	65.7	29.7	16.4	8.3
-27.5°	423.7	252.0	134.9	66.8	30.3	16.5	8.3
-30°	434.3	260.4	136.7	67.5	30.8	16.5	8.3
-32.5°	440.3	266.0	140.9	67.5	31.1	16.5	8.3
-35°	445.1	268.5	143.4	66.9	31.3	16.5	8.3
-37.5°	446.8	269.1	144.2	65.8	31.3	16.4	8.3
-40°	443.9	269.2	143.3	64.0	31.3	16.4	8.3
-42.5°	436.4	266.5	142.0	62.2	31.0	16.2	8.3
-45°	424.2	261.1	140.6	61.1	30.6	16.1	8.3
-47.5°	407.5	252.8	137.8	59.2	30.1	15.9	8.3
-50°	392.0	241.7	133.4	58.6	29.5	15.7	8.3
-52.5°	373.4	228.0	127.7	58.0	28.6	15.5	8.3
-55°	351.1	216.4	120.5	56.7	27.7	15.2	8.3
-57.5°	325.1	203.5	112.0	54.7	26.6	14.9	8.3
-60°	296.6	188.5	102.4	52.0	25.4	14.6	8.3
-62.5°	272.6	171.6	95.6	48.8	24.5	14.3	8.3
-65°	246.0	152.9	87.6	45.0	23.5	13.9	8.3
-67.5°	217.0	135.2	78.7	40.6	22.4	13.5	8.3
-70°	185.7	118.6	68.8	35.8	21.3	13.1	8.3
-72.5°	157.9	100.6	58.1	32.7	20.0	12.7	8.3
-75°	129.1	81.5	46.8	29.9	18.8	12.2	8.3
-77.5°	98.9	61.4	40.3	27.0	17.5	11.8	8.3
-80°	67.5	48.6	34.8	24.0	16.1	11.3	8.3
-82.5°	52.4	39.7	29.1	20.8	14.7	10.8	8.3
-85°	39.3	30.6	23.3	17.5	13.3	10.3	8.3
-87.5°	25.9	21.3	17.4	14.3	11.9	9.9	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

