

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: P731567 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-7F-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731567 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-7F-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

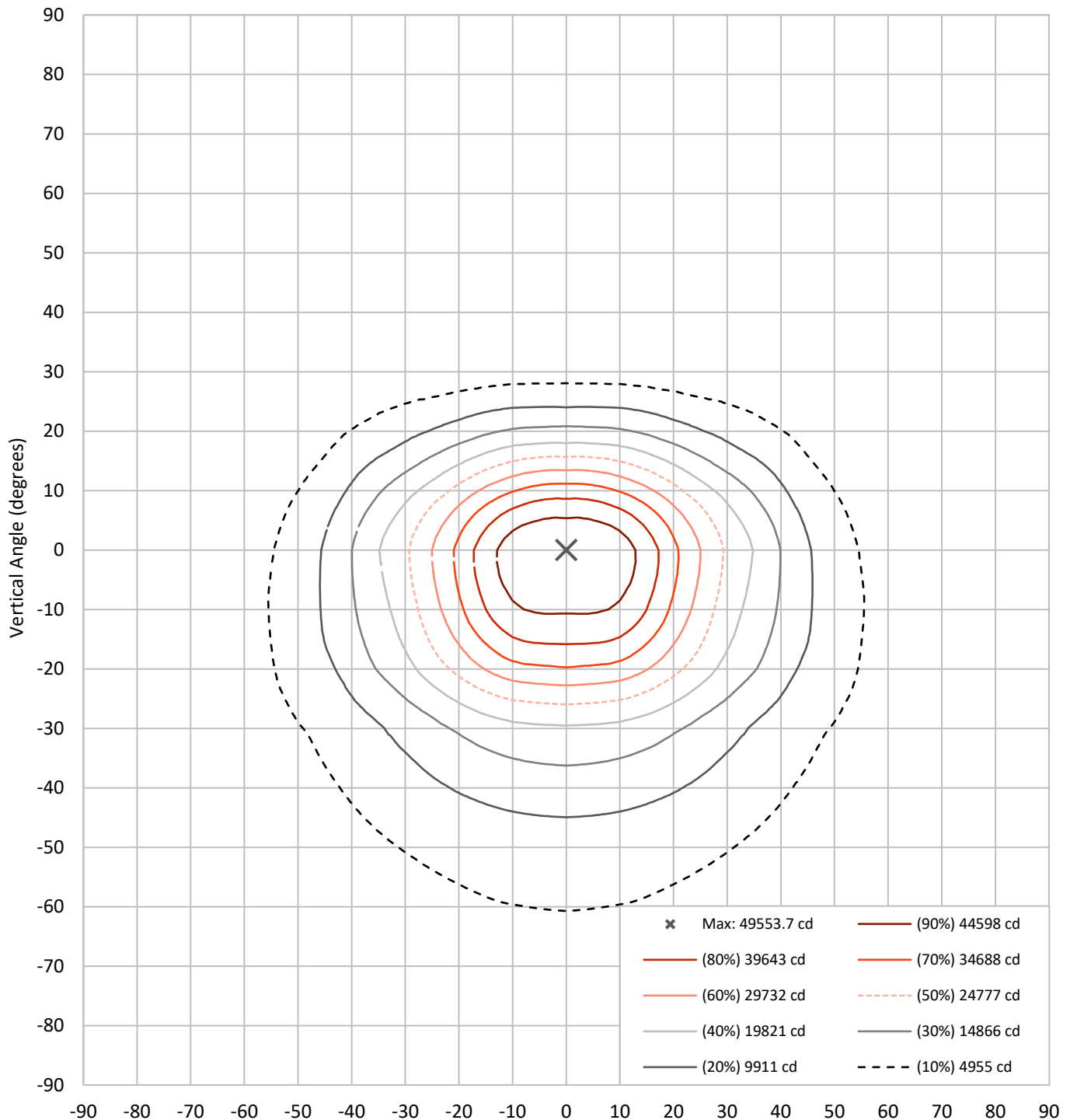
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	43353.7 lumens	Max Intensity:	49553.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	77.4 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:	21017.4 lumens	Field Lumens:	39375.3 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 559.9
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





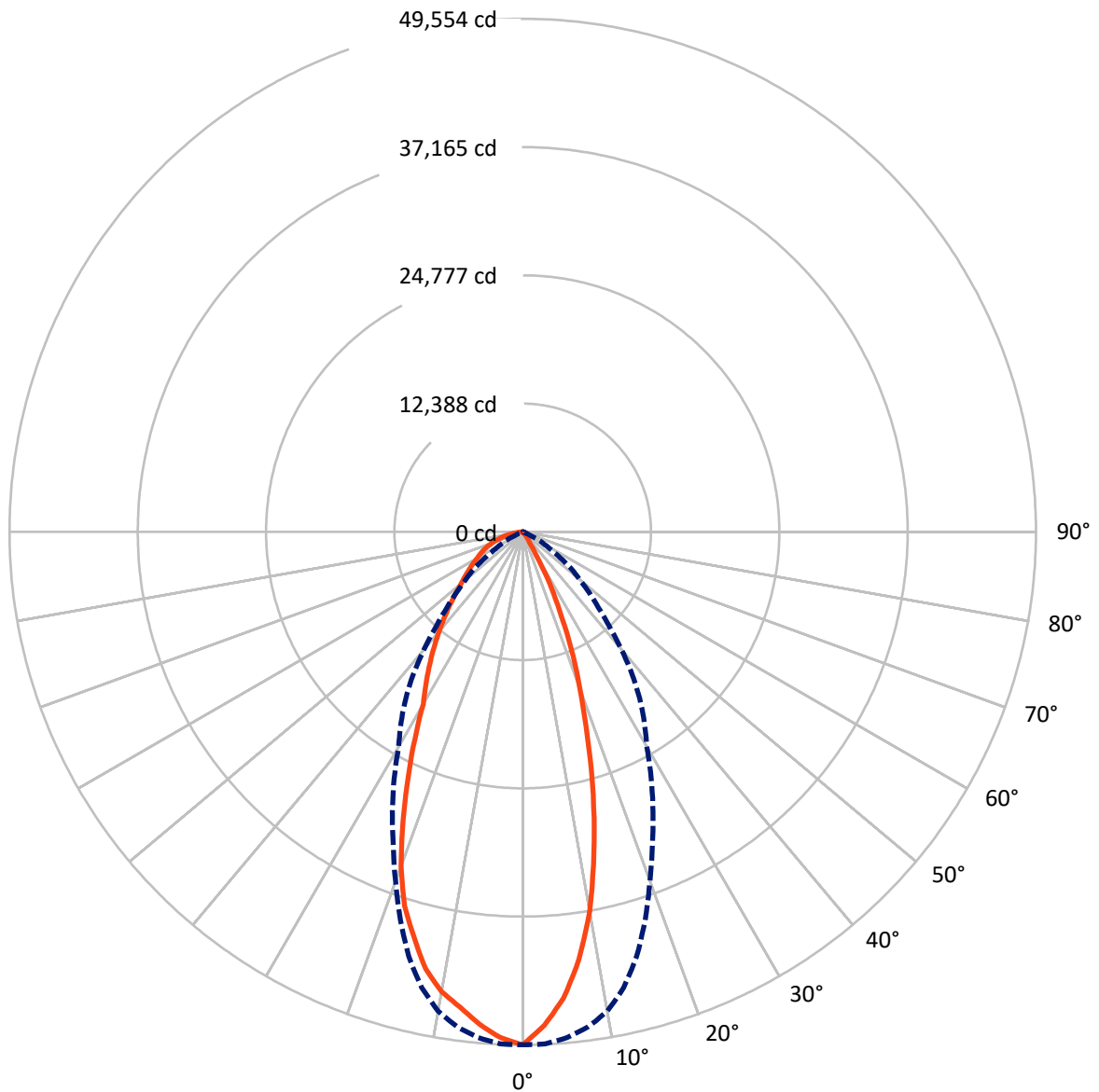
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Lumen Table

90																			
80	0.3	2.1		5.1		3.8		3.0		3.8		5.1		2.1		0.3			
70		0.6	1.4	2.1	1.6	0.8	0.6	0.6	0.6	0.6	0.8	1.6	2.1	1.4	0.6				
60	0.5	0.6	1.0	1.1	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.1	1.0	0.6			0.5	
50		0.6	1.3	2.2	2.9	3.7	4.5	5.1	5.1	4.5	3.7	2.9	2.2	1.3	0.6				
40	0.6	1.0	4.6	10.5	17.1	22.4	29.6	33.7	33.7	29.6	22.4	17.1	10.5	4.6	1.0			0.6	
30		2.6	16.1	47.4	98.1	158.7	230.2	268.7	268.7	230.2	158.7	98.1	47.4	16.1	2.6				
20	1.0	6.0	39.7	118.2	260.8	440.3	649.5	785.4	785.4	649.5	440.3	260.8	118.2	39.7	6.0			1.0	
10		11.7	69.7	201.2	435.1	737.3	1099.9	1327.9	1327.9	1099.9	737.3	435.1	201.2	69.7	11.7				
0	2.6	19.2	89.6	231.5	474.9	804.9	1211.9	1430.6	1430.6	1211.9	804.9	474.9	231.5	89.6	19.2			2.6	
-10		22.3	89.5	216.8	421.0	699.7	1031.3	1212.7	1212.7	1031.3	699.7	421.0	216.8	89.5	22.3				
-20	6.0	21.2	73.6	163.3	306.9	489.5	682.4	787.4	787.4	682.4	489.5	306.9	163.3	73.6	21.2			6.0	
-30		19.2	53.9	112.7	200.6	308.8	410.7	468.2	468.2	410.7	308.8	200.6	112.7	53.9	19.2				
-40	7.0	15.5	39.4	79.3	137.6	205.1	263.2	296.9	296.9	263.2	205.1	137.6	79.3	39.4	15.5			7.0	
-50		11.6	27.6	53.2	89.2	130.6	167.8	188.2	188.2	167.8	130.6	89.2	53.2	27.6	11.6				
-60	4.7	7.9	19.1	36.4	59.0	85.0	109.8	123.3	123.3	109.8	85.0	59.0	36.4	19.1	7.9			4.7	
-70																			
-80	1.3	18.1		64.7		123.9		152.3		123.9		64.7		18.1		1.3			
-90																			

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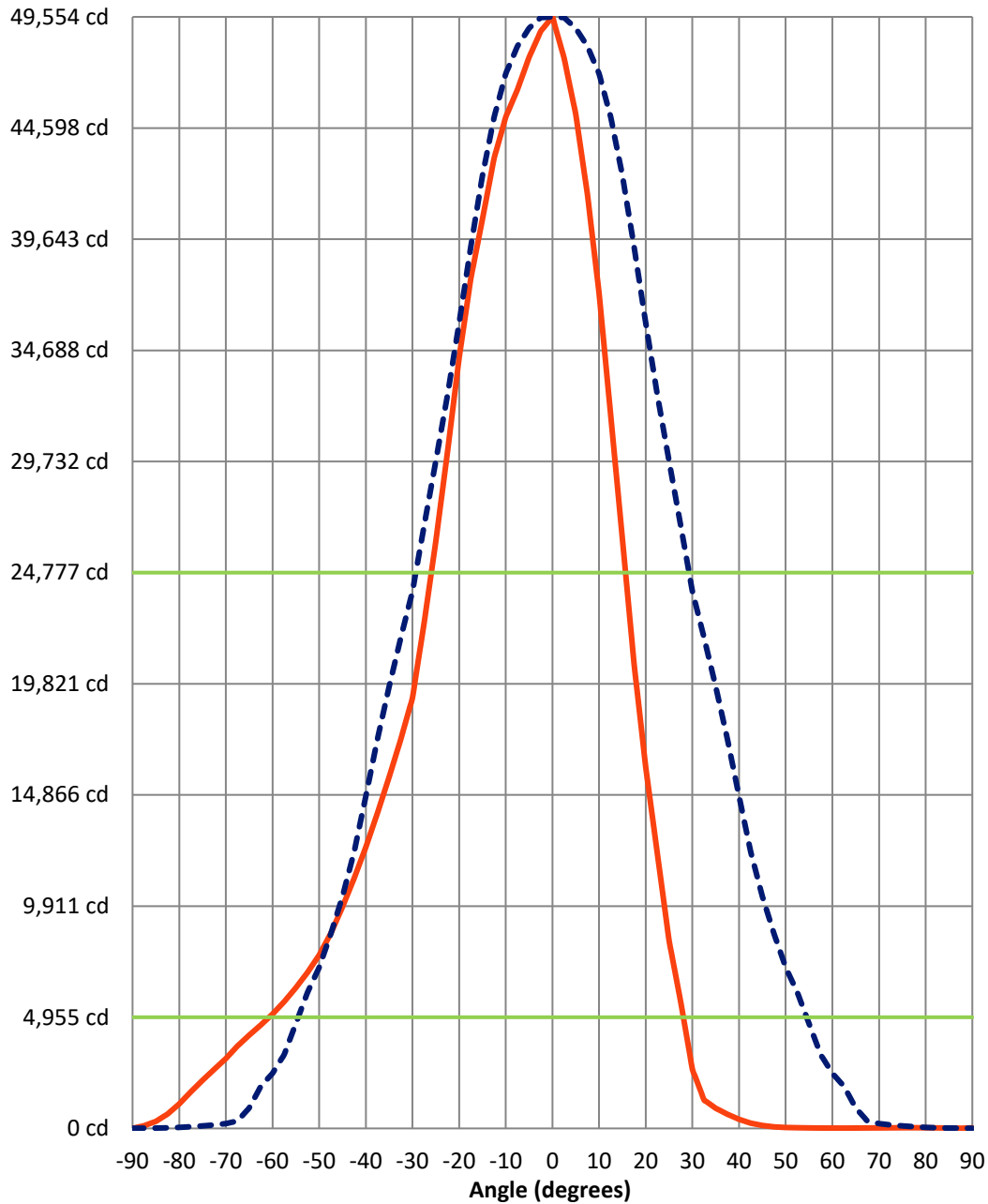
Luminous Intensity Polar Plot



— 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: 21017.4
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 39375.3
 Efficiency: 90.8%

Spill:
 Lumens: 3978.3
 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°	7.0	7.9	8.7	9.1	9.6	10.0	10.4	10.9	11.3	11.8	12.2
87.5°	7.0	7.3	7.6	8.1	8.6	9.3	10.1	10.4	10.6	10.7	10.7
85°	7.0	7.5	8.2	9.1	10.3	11.7	13.2	13.8	14.1	14.3	14.4
82.5°	7.0	7.8	8.8	10.2	11.9	14.0	16.3	17.2	17.7	18.9	21.2
80°	7.0	8.0	9.4	11.2	13.5	16.2	19.0	19.5	21.4	24.8	29.6
77.5°	7.0	8.3	10.0	12.3	15.1	17.7	19.4	21.2	24.9	30.3	36.0
75°	7.0	8.6	10.5	13.2	16.3	17.8	19.7	22.7	27.8	32.5	37.1
72.5°	7.0	8.8	11.1	14.2	16.2	17.9	20.0	23.9	28.6	33.4	38.1
70°	7.0	9.1	11.6	14.9	16.1	17.9	20.3	24.5	29.4	34.2	39.6
67.5°	7.0	9.3	12.2	14.8	16.0	17.9	21.0	25.1	30.0	35.6	41.1
65°	7.0	9.5	12.7	14.6	15.8	18.1	21.6	25.6	31.2	36.9	43.1
62.5°	7.0	9.7	13.2	14.3	15.6	18.8	22.3	26.4	32.2	38.4	46.3
60°	7.0	10.0	13.7	14.1	15.4	19.3	22.9	27.2	33.2	40.9	49.3
57.5°	7.0	10.2	13.6	13.8	15.9	19.9	24.0	28.1	35.0	43.3	50.7
55°	7.0	10.4	13.5	13.6	16.3	20.5	25.1	29.3	36.8	45.2	51.6
52.5°	7.0	10.6	13.4	13.3	16.8	21.1	26.2	31.2	38.5	46.1	52.4
50°	7.0	10.8	13.4	13.0	17.2	22.1	27.3	33.3	39.8	47.0	51.0
47.5°	7.0	10.9	13.3	12.8	17.6	23.0	28.5	35.4	40.7	47.9	49.4
45°	7.0	11.1	13.3	13.1	18.0	24.0	30.3	37.4	42.8	46.9	48.1
42.5°	7.0	11.3	13.3	13.4	18.4	24.9	32.1	39.6	45.3	45.9	46.7
40°	7.0	11.4	13.4	13.9	18.9	25.8	33.8	42.0	47.7	45.5	45.7
37.5°	7.0	11.5	13.4	14.6	19.6	26.7	35.5	44.5	49.8	48.2	45.2
35°	7.0	11.7	13.5	15.4	20.2	27.9	37.2	47.2	52.5	52.0	48.6
32.5°	7.0	11.8	13.6	16.1	20.8	29.1	39.0	50.1	55.8	56.9	62.4
30°	7.0	11.9	13.7	16.9	21.4	30.3	41.2	53.0	59.7	62.9	76.6
27.5°	7.0	12.0	13.8	17.7	23.1	31.5	43.4	56.0	64.2	69.9	91.1
25°	7.0	12.0	14.0	18.6	25.1	32.6	45.7	59.3	69.8	80.6	107.2
22.5°	7.0	12.1	14.1	19.4	27.1	34.5	47.9	62.8	75.8	92.9	159.0
20°	7.0	12.2	14.3	20.2	29.1	38.9	50.2	66.4	82.3	105.1	213.8
17.5°	7.0	12.2	14.5	21.0	31.2	43.4	56.0	70.2	89.1	117.1	270.6
15°	7.0	12.2	14.6	21.8	33.3	48.2	64.2	77.9	96.2	128.9	328.3
12.5°	7.0	12.3	14.8	22.6	35.5	53.0	72.5	90.7	110.8	140.3	385.7
10°	7.0	12.3	15.0	23.4	37.6	57.9	80.9	103.7	131.7	174.9	461.4
7.5°	7.0	12.3	15.2	24.1	39.6	62.8	89.2	116.8	153.0	213.9	579.0
5°	7.0	12.3	15.4	24.8	41.6	67.6	97.5	129.7	174.3	253.4	696.0
2.5°	7.0	12.2	15.5	25.5	43.4	72.2	105.4	142.5	195.3	292.6	808.7
0°	7.0	12.2	15.7	26.1	45.2	76.6	113.1	154.8	215.7	330.6	913.4
-2.5°	7.0	12.4	16.8	30.0	54.0	93.0	142.4	203.2	292.0	453.9	1075.1
-5°	7.0	12.6	17.9	33.7	62.6	108.9	170.9	250.4	366.1	572.7	1222.8
-7.5°	7.0	12.8	19.0	37.3	70.8	124.1	198.2	295.6	437.0	684.9	1354.5
-10°	7.0	13.0	20.1	40.7	78.6	138.5	223.9	338.2	503.4	788.1	1468.2
-12.5°	7.0	13.2	21.0	43.9	85.8	151.8	247.6	377.6	564.4	876.9	1511.2
-15°	7.0	13.3	22.0	46.8	92.3	163.9	269.0	413.2	618.0	931.2	1517.9
-17.5°	7.0	13.5	22.8	49.4	98.2	174.6	287.7	447.0	664.0	977.6	1515.5
-20°	7.0	13.6	23.6	51.6	103.2	183.8	306.0	478.6	703.9	1015.8	1505.0



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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°	7.0	13.7	24.3	53.5	107.4	191.4	325.5	505.6	737.1	1045.4	1487.4
-25°	7.0	13.7	24.8	54.9	110.6	201.2	341.6	527.6	763.2	1066.2	1463.8
-27.5°	7.0	13.8	25.3	55.9	112.8	210.6	354.2	544.5	781.8	1083.4	1478.7
-30°	7.0	13.8	25.7	56.4	114.3	217.7	363.0	555.8	797.4	1101.5	1484.6
-32.5°	7.0	13.8	26.0	56.5	117.8	222.3	368.0	564.6	808.4	1109.5	1479.4
-35°	7.0	13.8	26.2	56.0	119.9	224.4	372.0	568.8	811.7	1107.2	1463.0
-37.5°	7.0	13.7	26.2	55.0	120.6	224.9	373.4	567.5	807.2	1094.4	1391.6
-40°	7.0	13.7	26.1	53.5	119.8	225.0	371.0	560.6	794.9	1079.0	1320.0
-42.5°	7.0	13.6	25.9	52.0	118.7	222.8	364.8	548.0	779.1	1027.1	1243.9
-45°	7.0	13.5	25.6	51.1	117.6	218.2	354.6	532.4	757.9	967.3	1165.4
-47.5°	7.0	13.3	25.2	49.5	115.2	211.3	340.6	515.2	728.8	904.7	1095.4
-50°	7.0	13.1	24.6	49.0	111.6	202.1	327.6	492.8	677.8	847.3	1022.3
-52.5°	7.0	12.9	23.9	48.4	106.7	190.6	312.1	465.3	630.0	787.5	947.2
-55°	7.0	12.7	23.1	47.3	100.8	180.9	293.5	433.8	582.1	725.3	878.3
-57.5°	7.0	12.5	22.2	45.7	93.6	170.1	271.8	405.2	532.0	666.9	807.1
-60°	7.0	12.2	21.2	43.5	85.6	157.6	248.0	369.2	481.3	607.9	736.1
-62.5°	7.0	11.9	20.4	40.8	79.9	143.5	227.9	329.6	434.1	546.6	667.7
-65°	7.0	11.6	19.6	37.6	73.2	127.8	205.6	290.7	384.5	487.3	597.0
-67.5°	7.0	11.3	18.7	33.9	65.7	113.0	181.3	256.4	332.6	426.4	525.7
-70°	7.0	11.0	17.7	29.9	57.5	99.1	155.2	220.5	288.1	363.0	452.4
-72.5°	7.0	10.6	16.7	27.3	48.6	84.1	131.9	183.0	241.8	307.0	378.3
-75°	7.0	10.3	15.7	25.0	39.0	68.1	107.9	149.1	193.9	249.1	309.5
-77.5°	7.0	9.9	14.6	22.6	33.6	51.3	82.7	115.8	152.0	192.1	238.7
-80°	7.0	9.5	13.5	20.0	29.1	40.6	56.4	81.7	109.9	141.2	175.4
-82.5°	7.0	9.1	12.3	17.4	24.3	33.1	43.8	54.0	67.0	89.3	113.8
-85°	7.0	8.7	11.1	14.7	19.5	25.5	32.8	39.8	47.4	55.8	64.9
-87.5°	7.0	8.3	9.9	11.9	14.5	17.8	21.6	25.4	29.4	33.9	38.6
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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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°	12.6	13.1	13.5	13.9	14.4	14.8	15.3	15.7	16.6	17.4	18.3
87.5°	11.2	11.8	12.4	13.0	11.8	10.6	9.2	7.7	8.1	8.5	9.0
85°	15.4	16.5	18.0	19.2	18.3	17.6	17.0	16.7	17.6	18.4	18.9
82.5°	23.3	24.8	25.8	26.3	26.8	27.6	29.1	32.1	34.1	35.3	35.8
80°	32.0	33.2	34.2	36.6	40.7	45.6	51.3	57.5	59.2	58.9	57.7
77.5°	37.4	39.6	43.7	49.6	56.5	63.5	71.2	79.6	81.8	80.8	79.1
75°	40.6	45.5	52.3	60.7	69.6	79.0	88.9	98.1	100.3	97.4	93.8
72.5°	43.4	50.5	59.6	70.5	80.9	90.5	100.7	111.3	115.4	110.4	103.9
70°	45.8	54.8	65.9	77.7	89.5	99.7	109.7	121.1	128.4	119.2	105.0
67.5°	48.0	59.3	71.4	83.5	93.5	103.7	115.7	120.7	123.4	108.7	93.5
65°	51.3	63.4	74.2	84.4	94.8	99.8	103.8	107.5	106.0	89.4	73.2
62.5°	54.5	64.4	74.4	82.6	85.9	88.9	88.4	84.9	79.4	69.1	56.5
60°	55.7	64.1	71.4	74.8	76.1	73.3	69.2	65.9	61.2	52.4	44.1
57.5°	56.4	61.3	65.3	66.3	63.2	58.9	57.3	52.6	49.3	43.7	36.2
55°	55.9	56.6	58.6	56.3	53.8	52.1	49.5	48.1	43.3	38.1	32.6
52.5°	53.5	52.7	50.9	49.8	50.6	50.2	49.4	46.9	42.5	37.3	34.1
50°	51.4	48.3	45.5	49.4	52.9	55.9	51.4	48.6	48.4	46.0	40.9
47.5°	48.7	44.7	47.2	53.2	63.2	66.9	60.6	60.5	62.5	67.4	61.4
45°	46.4	47.9	51.9	66.7	79.0	84.7	85.6	78.8	95.5	101.1	99.4
42.5°	44.6	54.6	72.4	82.8	102.6	114.8	119.6	129.6	139.5	151.6	154.7
40°	51.1	63.3	103.4	121.1	133.4	154.3	179.5	195.9	199.0	217.3	225.6
37.5°	59.7	98.6	145.8	176.4	175.6	211.8	249.6	289.2	311.5	294.0	334.4
35°	69.3	140.0	206.9	251.5	262.8	285.3	351.9	427.6	500.9	458.0	478.9
32.5°	98.0	187.5	278.3	346.7	413.1	428.2	469.4	674.8	807.8	810.0	703.0
30°	144.9	254.3	363.6	456.9	610.5	680.9	746.7	1001.9	1225.4	1369.3	1399.9
27.5°	203.7	330.7	467.8	635.7	853.3	980.5	1193.9	1467.9	1819.6	2082.9	2265.0
25°	269.8	448.7	581.6	861.8	1143.3	1376.9	1676.5	2053.5	2546.8	2968.9	3363.0
22.5°	354.7	585.8	762.3	1115.2	1464.6	1805.4	2221.4	2763.5	3391.2	3940.2	4498.6
20°	461.6	741.5	997.9	1427.7	1830.0	2240.2	2774.0	3527.7	4322.4	5098.4	5822.9
17.5°	577.2	905.6	1261.8	1784.8	2329.1	2792.9	3351.9	4321.4	5302.9	6368.7	7423.9
15°	699.1	1075.6	1523.4	2174.4	2865.0	3496.4	4235.7	5223.5	6390.6	7757.5	9119.0
12.5°	824.2	1248.7	1780.1	2586.8	3423.9	4212.9	5154.1	6281.2	7621.1	9242.2	10893.1
10°	949.4	1421.9	2029.1	3011.0	3995.0	4932.7	6049.4	7302.3	8834.4	10655.9	12523.4
7.5°	1176.5	1649.5	2287.3	3435.4	4566.5	5645.5	6913.6	8280.0	9983.4	12008.4	14051.0
5°	1418.9	1929.9	2639.4	3880.7	5106.1	6270.9	7690.7	9204.9	11059.3	13282.1	15497.0
2.5°	1654.4	2199.6	2975.5	4296.4	5602.3	6747.9	8213.3	9805.5	11769.4	14171.5	16595.4
0°	1875.6	2456.7	3291.9	4673.3	6058.3	7178.8	8676.8	10340.1	12330.6	14808.2	17358.8
-2.5°	2075.3	2691.7	3558.2	4903.9	6199.1	7285.4	8794.0	10462.1	12430.9	14810.5	17168.5
-5°	2251.1	2910.8	3799.5	5096.4	6304.3	7356.2	8849.7	10511.3	12442.0	14704.0	16905.6
-7.5°	2400.7	3112.5	4014.2	5234.9	6360.3	7412.8	8861.6	10493.8	12376.3	14510.4	16595.2
-10°	2500.6	3195.7	4027.6	5198.9	6345.0	7435.6	8821.0	10409.8	12222.4	14235.6	16210.4
-12.5°	2436.0	3164.8	3979.8	5118.9	6292.0	7406.1	8726.6	10262.4	11983.1	13895.3	15755.8
-15°	2362.9	3113.8	3901.7	4993.3	6201.7	7320.8	8581.1	10055.1	11572.5	13338.2	15173.9
-17.5°	2284.9	3041.7	3792.5	4820.9	6074.2	7176.9	8311.7	9508.3	10900.6	12632.3	14445.7
-20°	2205.7	2947.7	3651.4	4601.2	5899.3	6811.0	7739.8	8852.3	10172.4	11784.6	13599.9



REPORT NUMBER: P731567 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2128.3	2831.3	3502.6	4408.0	5433.2	6293.5	7132.8	8133.9	9332.8	10791.6	12382.4
-25°	2070.0	2710.8	3358.5	4092.4	4943.4	5767.9	6481.5	7368.8	8459.5	9707.3	10965.9
-27.5°	2024.8	2603.8	3154.5	3780.8	4482.9	5237.9	5871.6	6633.5	7660.5	8659.9	9631.3
-30°	1976.7	2462.3	2948.0	3493.6	4114.2	4740.2	5290.1	6033.6	6947.3	7809.7	8583.0
-32.5°	1883.7	2312.7	2767.0	3258.8	3779.2	4294.9	4870.4	5574.9	6338.5	7080.1	7700.4
-35°	1773.6	2172.4	2592.8	3026.8	3466.5	3965.1	4538.3	5142.5	5788.7	6459.2	7166.0
-37.5°	1681.3	2026.2	2413.5	2811.8	3217.8	3682.3	4195.1	4749.9	5322.8	5922.4	6614.3
-40°	1582.0	1874.7	2243.1	2612.2	2985.8	3403.7	3875.0	4367.1	4880.6	5448.4	6047.3
-42.5°	1478.6	1757.4	2072.8	2408.5	2759.0	3133.4	3543.4	4000.9	4472.8	4971.6	5506.5
-45°	1389.6	1634.0	1904.9	2217.6	2529.3	2860.4	3230.9	3629.6	4072.5	4516.5	4982.1
-47.5°	1296.0	1511.4	1762.8	2023.6	2310.0	2603.5	2913.6	3289.2	3671.6	4078.7	4482.2
-50°	1202.6	1404.2	1615.2	1855.6	2101.2	2358.5	2630.5	2966.1	3317.1	3659.4	4013.0
-52.5°	1118.9	1292.7	1490.8	1694.8	1913.7	2136.9	2389.1	2681.2	2990.3	3295.1	3610.0
-55°	1032.2	1195.0	1369.4	1553.2	1741.0	1939.4	2171.6	2431.9	2686.1	2969.7	3251.6
-57.5°	950.1	1100.3	1258.9	1421.1	1589.8	1761.3	1984.8	2201.1	2437.3	2672.7	2917.2
-60°	869.9	1008.9	1154.4	1301.5	1447.8	1619.7	1809.4	2010.8	2211.8	2412.0	2640.7
-62.5°	788.7	921.6	1054.1	1187.6	1323.5	1482.9	1663.7	1841.2	2012.5	2203.2	2397.2
-65°	711.1	832.4	957.6	1080.8	1201.5	1356.1	1519.0	1686.9	1853.5	2013.5	2178.3
-67.5°	630.6	741.2	856.6	975.2	1091.2	1225.3	1370.8	1523.8	1679.1	1826.4	1977.4
-70°	546.2	645.9	749.8	857.5	969.9	1089.4	1213.9	1347.8	1485.4	1615.5	1746.9
-72.5°	458.2	544.5	636.6	733.9	831.7	934.2	1043.3	1158.3	1270.9	1379.9	1493.5
-75°	372.5	440.3	517.2	599.3	682.6	769.1	860.2	954.0	1044.4	1133.0	1224.3
-77.5°	288.4	342.1	400.4	463.3	525.7	592.9	664.1	738.9	809.3	878.2	948.2
-80°	208.0	241.7	284.4	330.9	377.9	425.9	475.0	525.2	570.2	617.4	668.3
-82.5°	137.0	161.2	186.6	213.1	239.8	267.3	297.3	332.7	362.4	391.7	421.3
-85°	72.3	79.9	95.2	111.3	127.0	143.2	160.0	177.3	192.7	207.4	221.3
-87.5°	42.5	46.5	50.6	54.8	58.3	61.8	65.2	68.6	73.3	78.0	82.8
-90°	7.0	7.0	7.0	7.0	6.6	6.1	5.7	5.2	5.2	5.2	5.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.1	20.0	20.9	21.7	22.6	23.1	23.5	24.0	24.4	24.8	25.3
87.5°	9.5	9.2	9.0	8.7	8.4	10.4	12.5	14.7	16.9	15.4	13.7
85°	19.3	19.3	19.2	18.9	18.6	21.5	24.5	27.4	30.3	27.7	24.9
82.5°	35.7	35.0	33.8	32.0	29.9	29.6	29.0	28.0	26.7	25.5	24.4
80°	56.0	53.5	50.1	46.1	41.4	38.9	36.5	33.8	30.9	30.0	29.3
77.5°	75.9	70.8	64.9	58.4	51.4	47.1	43.3	39.2	34.8	33.6	32.9
75°	89.6	83.3	74.4	65.1	55.4	48.8	43.9	39.1	34.4	32.6	31.6
72.5°	96.0	86.6	75.8	63.3	51.3	43.5	38.6	34.2	30.0	28.3	27.5
70°	91.2	77.9	65.5	53.7	42.4	35.0	31.5	28.5	26.0	24.8	24.0
67.5°	77.8	64.2	52.5	42.0	33.4	27.7	25.8	24.1	22.5	21.6	21.3
65°	60.2	49.8	40.7	33.3	27.5	23.6	22.0	20.6	19.2	18.3	18.0
62.5°	45.7	37.6	31.7	27.0	23.3	20.7	19.6	18.6	17.8	17.3	16.9
60°	36.5	29.7	26.1	23.6	21.4	19.4	19.1	18.9	18.7	18.4	17.7
57.5°	31.3	27.1	24.4	23.7	22.8	21.5	21.2	21.0	20.3	19.0	18.4
55°	29.9	28.8	27.7	28.2	28.2	27.1	25.5	24.5	23.4	22.5	22.6
52.5°	33.3	35.5	36.7	36.7	34.9	32.2	29.3	29.7	30.3	30.8	31.3
50°	44.4	47.2	47.2	43.3	43.1	41.6	38.1	39.7	41.9	42.4	42.7
47.5°	61.7	64.4	66.2	59.3	60.5	64.3	60.4	59.3	66.6	69.9	71.5
45°	90.0	100.9	104.1	106.2	103.2	112.8	112.9	108.4	122.7	130.5	133.2
42.5°	149.9	168.4	183.1	187.4	184.0	195.9	205.1	204.4	222.4	235.1	238.5
40°	250.8	268.3	289.3	297.2	300.7	311.6	334.6	349.5	367.6	387.6	397.7
37.5°	380.3	407.7	412.1	428.2	448.4	458.6	493.7	523.7	548.3	585.7	609.7
35°	569.9	642.5	564.4	601.4	652.8	658.7	690.6	759.8	777.1	842.6	878.8
32.5°	919.9	1055.0	1037.3	911.7	1022.1	1147.4	1007.9	1256.0	1233.8	1303.6	1392.4
30°	1451.9	1844.5	1888.1	1704.5	2010.9	2177.3	2150.5	2397.8	2556.3	2536.7	2844.2
27.5°	2590.2	2905.1	3048.1	3311.8	3477.4	3722.6	4154.3	4405.9	4858.3	5095.7	5380.4
25°	3822.2	4194.5	4654.0	5107.4	5452.0	5995.5	6601.4	7077.8	7718.1	8119.8	8412.6
22.5°	5154.0	5811.5	6451.2	7082.9	7778.4	8526.9	9241.7	10067.3	10846.6	11422.0	11857.0
20°	6613.9	7524.0	8428.8	9296.1	10163.6	11164.6	12049.7	13041.8	13999.0	14831.3	15404.4
17.5°	8418.8	9370.4	10525.8	11686.3	12810.2	14049.7	15357.1	16469.5	17811.9	18920.6	19754.5
15°	10384.6	11576.2	12837.3	14288.7	15806.6	17340.2	18926.0	20561.3	22089.5	23507.0	24568.8
12.5°	12414.4	13897.6	15434.2	17041.3	18801.4	20710.0	22702.6	24649.1	26538.7	28096.7	29553.4
10°	14364.3	16218.0	18000.9	19884.1	21910.9	24046.0	26379.5	28698.2	30894.2	32813.5	34381.1
7.5°	16072.7	18085.2	20142.2	22451.3	24857.1	27249.8	29777.9	32378.8	34878.4	37090.5	38923.2
5°	17678.7	19778.3	21862.2	24346.5	27000.9	29746.6	32608.9	35530.7	38229.2	40730.2	42759.8
2.5°	18930.9	21139.3	23282.1	26006.0	28807.0	31603.3	34522.0	37716.4	40726.6	43445.3	45436.7
0°	19695.5	21875.6	23946.1	26869.1	29750.3	32685.5	35904.3	39304.0	42474.1	45078.7	47018.7
-2.5°	19431.1	21558.1	23804.3	26675.5	29721.5	32657.2	35913.4	39344.4	42493.8	45140.6	47034.9
-5°	19068.0	21153.3	23426.6	26299.5	29272.3	32204.6	35414.9	38789.0	41882.2	44486.0	46280.1
-7.5°	18621.7	20634.4	22851.1	25637.4	28593.6	31529.4	34654.4	37846.8	40805.0	43393.3	45081.6
-10°	18094.0	20002.0	22195.0	24874.9	27808.5	30638.5	33607.8	36769.7	39738.5	42092.3	43904.4
-12.5°	17546.5	19405.3	21441.9	23977.3	26785.9	29416.9	32252.0	35296.7	37912.2	40319.4	41911.8
-15°	16919.5	18702.2	20611.8	22948.8	25494.3	27956.9	30419.6	33104.6	35491.2	37631.6	39323.7
-17.5°	16193.9	17882.9	19558.9	21660.3	24097.4	26296.9	28453.1	30791.2	32912.9	34878.0	36342.9
-20°	15191.6	16581.5	18191.9	20202.3	22313.4	24168.8	26136.1	28100.1	29989.0	31652.5	32893.0



REPORT NUMBER: P731567 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13756.0	15108.5	16600.3	18244.6	20010.9	21715.1	23399.1	25006.1	26542.8	27927.1	28925.6
-25°	12227.9	13463.2	14809.9	16176.6	17587.0	19113.6	20590.7	21917.2	23180.9	24250.4	25072.8
-27.5°	10709.6	11877.8	13055.2	14158.2	15286.3	16561.5	17854.2	18964.8	20035.1	20873.0	21514.1
-30°	9353.5	10602.3	11639.0	12389.5	13482.8	14601.5	15439.6	16450.1	17293.3	17827.9	18517.0
-32.5°	8606.1	9548.1	10488.0	11259.7	12128.3	13109.9	13903.6	14729.0	15440.7	16015.3	16448.6
-35°	7924.5	8752.1	9546.3	10340.2	11115.8	11904.2	12635.8	13332.6	13963.8	14472.0	14873.4
-37.5°	7312.0	8028.4	8747.4	9432.2	10129.0	10788.0	11416.0	12017.0	12547.7	13005.7	13384.1
-40°	6693.7	7333.7	7966.0	8585.3	9194.6	9732.5	10272.5	10769.1	11217.0	11622.2	11953.1
-42.5°	6072.9	6644.0	7197.8	7759.5	8300.3	8767.1	9212.9	9623.4	10007.4	10352.9	10638.3
-45°	5462.4	5966.8	6454.8	6953.6	7409.5	7835.1	8223.7	8569.3	8899.2	9190.4	9430.3
-47.5°	4912.4	5323.0	5758.5	6184.3	6580.0	6963.3	7303.2	7607.5	7896.9	8143.4	8339.2
-50°	4401.1	4776.0	5143.1	5488.1	5857.8	6193.9	6481.5	6761.9	7025.1	7245.1	7410.3
-52.5°	3920.3	4266.3	4596.4	4918.2	5239.1	5538.1	5814.0	6070.4	6300.3	6502.0	6645.1
-55°	3539.8	3822.5	4089.9	4399.6	4694.1	4959.9	5207.0	5455.8	5677.5	5873.3	5992.9
-57.5°	3179.5	3434.7	3689.2	3956.9	4215.9	4465.6	4700.2	4918.3	5122.5	5305.7	5408.7
-60°	2858.0	3063.9	3306.0	3553.0	3787.7	4010.6	4230.8	4435.4	4625.2	4784.7	4875.7
-62.5°	2588.7	2784.3	2989.1	3195.3	3398.6	3605.9	3805.8	3995.8	4176.0	4321.3	4409.7
-65°	2351.2	2528.3	2707.4	2890.0	3075.2	3257.8	3427.9	3594.9	3757.7	3882.2	3961.9
-67.5°	2127.6	2280.0	2430.5	2585.9	2745.4	2903.0	3053.0	3201.0	3346.0	3446.4	3508.8
-70°	1882.6	2017.1	2146.7	2277.6	2407.8	2535.9	2659.9	2783.6	2905.8	2986.5	3039.9
-72.5°	1611.0	1723.4	1828.5	1933.1	2039.6	2144.9	2246.8	2346.0	2441.8	2504.2	2550.4
-75°	1317.7	1403.5	1485.2	1567.6	1650.2	1735.7	1819.9	1900.7	1977.6	2024.3	2060.2
-77.5°	1019.2	1079.9	1137.5	1195.5	1253.5	1319.7	1386.8	1451.9	1514.5	1547.6	1572.3
-80°	719.7	762.3	801.6	839.2	874.9	917.2	959.7	1000.9	1040.4	1059.4	1073.3
-82.5°	450.9	475.8	499.2	521.3	542.2	564.8	586.3	606.3	624.8	633.9	640.7
-85°	234.6	245.4	255.4	264.7	273.2	283.6	293.5	302.7	311.2	313.9	315.7
-87.5°	87.5	90.8	94.0	97.0	99.9	103.8	107.7	111.4	115.1	116.1	116.9
-90°	5.2	5.2	5.2	5.2	5.2	4.8	4.4	3.9	3.5	3.5	3.5



REPORT NUMBER: P731567 (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°	25.7	26.1	26.1	26.1	26.1	26.1	25.7	25.3	24.8	24.4	24.0
87.5°	12.1	10.4	9.5	8.7	9.5	10.4	12.1	13.7	15.4	16.9	14.7
85°	22.0	19.1	18.2	17.4	18.2	19.1	22.0	24.9	27.7	30.3	27.4
82.5°	23.5	22.6	22.6	22.6	22.6	22.6	23.5	24.4	25.5	26.7	28.0
80°	28.5	27.7	27.8	27.8	27.8	27.7	28.5	29.3	30.0	30.9	33.8
77.5°	32.1	31.3	31.3	31.3	31.3	31.3	32.1	32.9	33.6	34.8	39.2
75°	30.7	29.7	29.6	29.6	29.6	29.7	30.7	31.6	32.6	34.4	39.1
72.5°	26.8	26.2	26.1	26.1	26.1	26.2	26.8	27.5	28.3	30.0	34.2
70°	23.4	22.8	22.6	22.6	22.6	22.8	23.4	24.0	24.8	26.0	28.5
67.5°	21.1	21.0	20.9	20.9	20.9	21.0	21.1	21.3	21.6	22.5	24.1
65°	17.7	17.5	17.4	17.4	17.4	17.5	17.7	18.0	18.3	19.2	20.6
62.5°	16.4	15.9	14.9	13.9	14.9	15.9	16.4	16.9	17.3	17.8	18.6
60°	16.9	16.0	15.7	15.7	15.7	16.0	16.9	17.7	18.4	18.7	18.9
57.5°	17.9	17.5	17.4	17.4	17.4	17.5	17.9	18.4	19.0	20.3	21.0
55°	22.6	22.5	22.5	22.6	22.5	22.5	22.6	22.6	22.5	23.4	24.5
52.5°	31.4	31.2	31.2	31.3	31.2	31.2	31.4	31.3	30.8	30.3	29.7
50°	43.2	43.1	42.7	41.8	42.7	43.1	43.2	42.7	42.4	41.9	39.7
47.5°	72.5	71.4	70.2	69.6	70.2	71.4	72.5	71.5	69.9	66.6	59.3
45°	136.3	135.2	133.3	132.2	133.3	135.2	136.3	133.2	130.5	122.7	108.4
42.5°	244.1	242.1	237.5	234.9	237.5	242.1	244.1	238.5	235.1	222.4	204.4
40°	409.1	411.3	407.7	405.4	407.7	411.3	409.1	397.7	387.6	367.6	349.5
37.5°	628.8	638.0	636.8	633.3	636.8	638.0	628.8	609.7	585.7	548.3	523.7
35°	895.4	905.6	900.4	899.5	900.4	905.6	895.4	878.8	842.6	777.1	759.8
32.5°	1325.7	1310.7	1254.6	1270.1	1254.6	1310.7	1325.7	1392.4	1303.6	1233.8	1256.0
30°	2865.0	2920.1	2763.1	2637.7	2763.1	2920.1	2865.0	2844.2	2536.7	2556.3	2397.8
27.5°	5408.5	5527.3	5505.1	5633.8	5505.1	5527.3	5408.5	5380.4	5095.7	4858.3	4405.9
25°	8527.5	8606.2	8611.3	8379.3	8611.3	8606.2	8527.5	8412.6	8119.8	7718.1	7077.8
22.5°	12018.1	12094.2	12232.9	12233.1	12232.9	12094.2	12018.1	11857.0	11422.0	10846.6	10067.3
20°	15802.9	15816.8	16081.7	16100.9	16081.7	15816.8	15802.9	15404.4	14831.3	13999.0	13041.8
17.5°	20341.5	20562.2	20920.3	20711.6	20920.3	20562.2	20341.5	19754.5	18920.6	17811.9	16469.5
15°	25573.5	26066.6	26449.5	26277.5	26449.5	26066.6	25573.5	24568.8	23507.0	22089.5	20561.3
12.5°	30711.6	31489.0	31859.1	31768.6	31859.1	31489.0	30711.6	29553.4	28096.7	26538.7	24649.1
10°	35602.4	36696.6	37089.6	37228.3	37089.6	36696.6	35602.4	34381.1	32813.5	30894.2	28698.2
7.5°	40291.2	41293.7	41889.6	41640.7	41889.6	41293.7	40291.2	38923.2	37090.5	34878.4	32378.8
5°	44054.2	44901.0	45382.4	45210.9	45382.4	44901.0	44054.2	42759.8	40730.2	38229.2	35530.7
2.5°	46719.2	47510.0	47927.2	47717.3	47927.2	47510.0	46719.2	45436.7	43445.3	40726.6	37716.4
0°	48241.8	49047.4	49519.7	49553.7	49519.7	49047.4	48241.8	47018.7	45078.7	42474.1	39304.0
-2.5°	48182.3	48751.4	49083.4	48914.3	49083.4	48751.4	48182.3	47034.9	45140.6	42493.8	39344.4
-5°	47173.6	47654.2	47826.6	47752.9	47826.6	47654.2	47173.6	46280.1	44486.0	41882.2	38789.0
-7.5°	45929.2	46283.6	46402.1	46314.1	46402.1	46283.6	45929.2	45081.6	43393.3	40805.0	37846.8
-10°	44725.3	45079.4	45139.5	45089.1	45139.5	45079.4	44725.3	43904.4	42092.3	39738.5	36769.7
-12.5°	42972.5	43356.2	43368.7	43251.9	43368.7	43356.2	42972.5	41911.8	40319.4	37912.2	35296.7
-15°	40238.6	40552.4	40603.0	40537.6	40603.0	40552.4	40238.6	39323.7	37631.6	35491.2	33104.6
-17.5°	37199.9	37407.7	37632.9	37884.3	37632.9	37407.7	37199.9	36342.9	34878.0	32912.9	30791.2
-20°	33551.5	33800.0	34065.7	34347.1	34065.7	33800.0	33551.5	32893.0	31652.5	29989.0	28100.1



REPORT NUMBER: P731567 (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°	29451.1	29730.5	30003.0	30145.3	30003.0	29730.5	29451.1	28925.6	27927.1	26542.8	25006.1
-25°	25484.7	25824.9	26040.1	26169.6	26040.1	25824.9	25484.7	25072.8	24250.4	23180.9	21917.2
-27.5°	21848.6	22251.8	22450.4	22535.0	22450.4	22251.8	21848.6	21514.1	20873.0	20035.1	18964.8
-30°	18786.0	19033.6	19067.9	19196.2	19067.9	19033.6	18786.0	18517.0	17827.9	17293.3	16450.1
-32.5°	16767.0	17042.0	17209.2	17350.1	17209.2	17042.0	16767.0	16448.6	16015.3	15440.7	14729.0
-35°	15185.1	15434.3	15598.3	15665.9	15598.3	15434.3	15185.1	14873.4	14472.0	13963.8	13332.6
-37.5°	13668.9	13857.2	13971.8	14063.5	13971.8	13857.2	13668.9	13384.1	13005.7	12547.7	12017.0
-40°	12207.1	12393.8	12507.2	12537.6	12507.2	12393.8	12207.1	11953.1	11622.2	11217.0	10769.1
-42.5°	10842.7	10986.5	11085.2	11152.7	11085.2	10986.5	10842.7	10638.3	10352.9	10007.4	9623.4
-45°	9607.2	9733.9	9821.7	9875.6	9821.7	9733.9	9607.2	9430.3	9190.4	8899.2	8569.3
-47.5°	8483.4	8585.3	8655.3	8696.0	8655.3	8585.3	8483.4	8339.2	8143.4	7896.9	7607.5
-50°	7533.5	7624.6	7689.3	7728.6	7689.3	7624.6	7533.5	7410.3	7245.1	7025.1	6761.9
-52.5°	6756.9	6845.5	6910.5	6952.6	6910.5	6845.5	6756.9	6645.1	6502.0	6300.3	6070.4
-55°	6092.2	6173.6	6232.5	6270.5	6232.5	6173.6	6092.2	5992.9	5873.3	5677.5	5455.8
-57.5°	5496.2	5568.1	5618.0	5649.4	5618.0	5568.1	5496.2	5408.7	5305.7	5122.5	4918.3
-60°	4953.4	5018.2	5064.1	5096.1	5064.1	5018.2	4953.4	4875.7	4784.7	4625.2	4435.4
-62.5°	4488.0	4556.1	4592.5	4612.4	4592.5	4556.1	4488.0	4409.7	4321.3	4176.0	3995.8
-65°	4035.1	4100.8	4136.2	4156.6	4136.2	4100.8	4035.1	3961.9	3882.2	3757.7	3594.9
-67.5°	3564.0	3611.3	3647.3	3674.6	3647.3	3611.3	3564.0	3508.8	3446.4	3346.0	3201.0
-70°	3085.8	3124.0	3125.3	3114.4	3125.3	3124.0	3085.8	3039.9	2986.5	2905.8	2783.6
-72.5°	2590.3	2623.9	2632.6	2632.4	2632.6	2623.9	2590.3	2550.4	2504.2	2441.8	2346.0
-75°	2091.2	2116.9	2134.2	2145.3	2134.2	2116.9	2091.2	2060.2	2024.3	1977.6	1900.7
-77.5°	1592.4	1607.9	1622.3	1632.0	1622.3	1607.9	1592.4	1572.3	1547.6	1514.5	1451.9
-80°	1083.9	1091.1	1092.7	1090.9	1092.7	1091.1	1083.9	1073.3	1059.4	1040.4	1000.9
-82.5°	645.6	648.7	645.5	640.3	645.5	648.7	645.6	640.7	633.9	624.8	606.3
-85°	316.7	316.9	316.3	314.9	316.3	316.9	316.7	315.7	313.9	311.2	302.7
-87.5°	117.5	117.9	120.0	121.8	120.0	117.9	117.5	116.9	116.1	115.1	111.4
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	23.5	23.1	22.6	21.7	20.9	20.0	19.1	18.3	17.4	16.6	15.7
87.5°	12.5	10.4	8.4	8.7	9.0	9.2	9.5	9.0	8.5	8.1	7.7
85°	24.5	21.5	18.6	18.9	19.2	19.3	19.3	18.9	18.4	17.6	16.7
82.5°	29.0	29.6	29.9	32.0	33.8	35.0	35.7	35.8	35.3	34.1	32.1
80°	36.5	38.9	41.4	46.1	50.1	53.5	56.0	57.7	58.9	59.2	57.5
77.5°	43.3	47.1	51.4	58.4	64.9	70.8	75.9	79.1	80.8	81.8	79.6
75°	43.9	48.8	55.4	65.1	74.4	83.3	89.6	93.8	97.4	100.3	98.1
72.5°	38.6	43.5	51.3	63.3	75.8	86.6	96.0	103.9	110.4	115.4	111.3
70°	31.5	35.0	42.4	53.7	65.5	77.9	91.2	105.0	119.2	128.4	121.1
67.5°	25.8	27.7	33.4	42.0	52.5	64.2	77.8	93.5	108.7	123.4	120.7
65°	22.0	23.6	27.5	33.3	40.7	49.8	60.2	73.2	89.4	106.0	107.5
62.5°	19.6	20.7	23.3	27.0	31.7	37.6	45.7	56.5	69.1	79.4	84.9
60°	19.1	19.4	21.4	23.6	26.1	29.7	36.5	44.1	52.4	61.2	65.9
57.5°	21.2	21.5	22.8	23.7	24.4	27.1	31.3	36.2	43.7	49.3	52.6
55°	25.5	27.1	28.2	28.2	27.7	28.8	29.9	32.6	38.1	43.3	48.1
52.5°	29.3	32.2	34.9	36.7	36.7	35.5	33.3	34.1	37.3	42.5	46.9
50°	38.1	41.6	43.1	43.3	47.2	47.2	44.4	40.9	46.0	48.4	48.6
47.5°	60.4	64.3	60.5	59.3	66.2	64.4	61.7	61.4	67.4	62.5	60.5
45°	112.9	112.8	103.2	106.2	104.1	100.9	90.0	99.4	101.1	95.5	78.8
42.5°	205.1	195.9	184.0	187.4	183.1	168.4	149.9	154.7	151.6	139.5	129.6
40°	334.6	311.6	300.7	297.2	289.3	268.3	250.8	225.6	217.3	199.0	195.9
37.5°	493.7	458.6	448.4	428.2	412.1	407.7	380.3	334.4	294.0	311.5	289.2
35°	690.6	658.7	652.8	601.4	564.4	642.5	569.9	478.9	458.0	500.9	427.6
32.5°	1007.9	1147.4	1022.1	911.7	1037.3	1055.0	919.9	703.0	810.0	807.8	674.8
30°	2150.5	2177.3	2010.9	1704.5	1888.1	1844.5	1451.9	1399.9	1369.3	1225.4	1001.9
27.5°	4154.3	3722.6	3477.4	3311.8	3048.1	2905.1	2590.2	2265.0	2082.9	1819.6	1467.9
25°	6601.4	5995.5	5452.0	5107.4	4654.0	4194.5	3822.2	3363.0	2968.9	2546.8	2053.5
22.5°	9241.7	8526.9	7778.4	7082.9	6451.2	5811.5	5154.0	4498.6	3940.2	3391.2	2763.5
20°	12049.7	11164.6	10163.6	9296.1	8428.8	7524.0	6613.9	5822.9	5098.4	4322.4	3527.7
17.5°	15357.1	14049.7	12810.2	11686.3	10525.8	9370.4	8418.8	7423.9	6368.7	5302.9	4321.4
15°	18926.0	17340.2	15806.6	14288.7	12837.3	11576.2	10384.6	9119.0	7757.5	6390.6	5223.5
12.5°	22702.6	20710.0	18801.4	17041.3	15434.2	13897.6	12414.4	10893.1	9242.2	7621.1	6281.2
10°	26379.5	24046.0	21910.9	19884.1	18000.9	16218.0	14364.3	12523.4	10655.9	8834.4	7302.3
7.5°	29777.9	27249.8	24857.1	22451.3	20142.2	18085.2	16072.7	14051.0	12008.4	9983.4	8280.0
5°	32608.9	29746.6	27000.9	24346.5	21862.2	19778.3	17678.7	15497.0	13282.1	11059.3	9204.9
2.5°	34522.0	31603.3	28807.0	26006.0	23282.1	21139.3	18930.9	16595.4	14171.5	11769.4	9805.5
0°	35904.3	32685.5	29750.3	26869.1	23946.1	21875.6	19695.5	17358.8	14808.2	12330.6	10340.1
-2.5°	35913.4	32657.2	29721.5	26675.5	23804.3	21558.1	19431.1	17168.5	14810.5	12430.9	10462.1
-5°	35414.9	32204.6	29272.3	26299.5	23426.6	21153.3	19068.0	16905.6	14704.0	12442.0	10511.3
-7.5°	34654.4	31529.4	28593.6	25637.4	22851.1	20634.4	18621.7	16595.2	14510.4	12376.3	10493.8
-10°	33607.8	30638.5	27808.5	24874.9	22195.0	20002.0	18094.0	16210.4	14235.6	12222.4	10409.8
-12.5°	32252.0	29416.9	26785.9	23977.3	21441.9	19405.3	17546.5	15755.8	13895.3	11983.1	10262.4
-15°	30419.6	27956.9	25494.3	22948.8	20611.8	18702.2	16919.5	15173.9	13338.2	11572.5	10055.1
-17.5°	28453.1	26296.9	24097.4	21660.3	19558.9	17882.9	16193.9	14445.7	12632.3	10900.6	9508.3
-20°	26136.1	24168.8	22313.4	20202.3	18191.9	16581.5	15191.6	13599.9	11784.6	10172.4	8852.3



REPORT NUMBER: P731567 (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°	23399.1	21715.1	20010.9	18244.6	16600.3	15108.5	13756.0	12382.4	10791.6	9332.8	8133.9
-25°	20590.7	19113.6	17587.0	16176.6	14809.9	13463.2	12227.9	10965.9	9707.3	8459.5	7368.8
-27.5°	17854.2	16561.5	15286.3	14158.2	13055.2	11877.8	10709.6	9631.3	8659.9	7660.5	6633.5
-30°	15439.6	14601.5	13482.8	12389.5	11639.0	10602.3	9353.5	8583.0	7809.7	6947.3	6033.6
-32.5°	13903.6	13109.9	12128.3	11259.7	10488.0	9548.1	8606.1	7700.4	7080.1	6338.5	5574.9
-35°	12635.8	11904.2	11115.8	10340.2	9546.3	8752.1	7924.5	7166.0	6459.2	5788.7	5142.5
-37.5°	11416.0	10788.0	10129.0	9432.2	8747.4	8028.4	7312.0	6614.3	5922.4	5322.8	4749.9
-40°	10272.5	9732.5	9194.6	8585.3	7966.0	7333.7	6693.7	6047.3	5448.4	4880.6	4367.1
-42.5°	9212.9	8767.1	8300.3	7759.5	7197.8	6644.0	6072.9	5506.5	4971.6	4472.8	4000.9
-45°	8223.7	7835.1	7409.5	6953.6	6454.8	5966.8	5462.4	4982.1	4516.5	4072.5	3629.6
-47.5°	7303.2	6963.3	6580.0	6184.3	5758.5	5323.0	4912.4	4482.2	4078.7	3671.6	3289.2
-50°	6481.5	6193.9	5857.8	5488.1	5143.1	4776.0	4401.1	4013.0	3659.4	3317.1	2966.1
-52.5°	5814.0	5538.1	5239.1	4918.2	4596.4	4266.3	3920.3	3610.0	3295.1	2990.3	2681.2
-55°	5207.0	4959.9	4694.1	4399.6	4089.9	3822.5	3539.8	3251.6	2969.7	2686.1	2431.9
-57.5°	4700.2	4465.6	4215.9	3956.9	3689.2	3434.7	3179.5	2917.2	2672.7	2437.3	2201.1
-60°	4230.8	4010.6	3787.7	3553.0	3306.0	3063.9	2858.0	2640.7	2412.0	2211.8	2010.8
-62.5°	3805.8	3605.9	3398.6	3195.3	2989.1	2784.3	2588.7	2397.2	2203.2	2012.5	1841.2
-65°	3427.9	3257.8	3075.2	2890.0	2707.4	2528.3	2351.2	2178.3	2013.5	1853.5	1686.9
-67.5°	3053.0	2903.0	2745.4	2585.9	2430.5	2280.0	2127.6	1977.4	1826.4	1679.1	1523.8
-70°	2659.9	2535.9	2407.8	2277.6	2146.7	2017.1	1882.6	1746.9	1615.5	1485.4	1347.8
-72.5°	2246.8	2144.9	2039.6	1933.1	1828.5	1723.4	1611.0	1493.5	1379.9	1270.9	1158.3
-75°	1819.9	1735.7	1650.2	1567.6	1485.2	1403.5	1317.7	1224.3	1133.0	1044.4	954.0
-77.5°	1386.8	1319.7	1253.5	1195.5	1137.5	1079.9	1019.2	948.2	878.2	809.3	738.9
-80°	959.7	917.2	874.9	839.2	801.6	762.3	719.7	668.3	617.4	570.2	525.2
-82.5°	586.3	564.8	542.2	521.3	499.2	475.8	450.9	421.3	391.7	362.4	332.7
-85°	293.5	283.6	273.2	264.7	255.4	245.4	234.6	221.3	207.4	192.7	177.3
-87.5°	107.7	103.8	99.9	97.0	94.0	90.8	87.5	82.8	78.0	73.3	68.6
-90°	4.4	4.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2



REPORT NUMBER: P731567 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	15.3	14.8	14.4	13.9	13.5	13.1	12.6	12.2	11.8	11.3	10.9
87.5°	9.2	10.6	11.8	13.0	12.4	11.8	11.2	10.7	10.7	10.6	10.4
85°	17.0	17.6	18.3	19.2	18.0	16.5	15.4	14.4	14.3	14.1	13.8
82.5°	29.1	27.6	26.8	26.3	25.8	24.8	23.3	21.2	18.9	17.7	17.2
80°	51.3	45.6	40.7	36.6	34.2	33.2	32.0	29.6	24.8	21.4	19.5
77.5°	71.2	63.5	56.5	49.6	43.7	39.6	37.4	36.0	30.3	24.9	21.2
75°	88.9	79.0	69.6	60.7	52.3	45.5	40.6	37.1	32.5	27.8	22.7
72.5°	100.7	90.5	80.9	70.5	59.6	50.5	43.4	38.1	33.4	28.6	23.9
70°	109.7	99.7	89.5	77.7	65.9	54.8	45.8	39.6	34.2	29.4	24.5
67.5°	115.7	103.7	93.5	83.5	71.4	59.3	48.0	41.1	35.6	30.0	25.1
65°	103.8	99.8	94.8	84.4	74.2	63.4	51.3	43.1	36.9	31.2	25.6
62.5°	88.4	88.9	85.9	82.6	74.4	64.4	54.5	46.3	38.4	32.2	26.4
60°	69.2	73.3	76.1	74.8	71.4	64.1	55.7	49.3	40.9	33.2	27.2
57.5°	57.3	58.9	63.2	66.3	65.3	61.3	56.4	50.7	43.3	35.0	28.1
55°	49.5	52.1	53.8	56.3	58.6	56.6	55.9	51.6	45.2	36.8	29.3
52.5°	49.4	50.2	50.6	49.8	50.9	52.7	53.5	52.4	46.1	38.5	31.2
50°	51.4	55.9	52.9	49.4	45.5	48.3	51.4	51.0	47.0	39.8	33.3
47.5°	60.6	66.9	63.2	53.2	47.2	44.7	48.7	49.4	47.9	40.7	35.4
45°	85.6	84.7	79.0	66.7	51.9	47.9	46.4	48.1	46.9	42.8	37.4
42.5°	119.6	114.8	102.6	82.8	72.4	54.6	44.6	46.7	45.9	45.3	39.6
40°	179.5	154.3	133.4	121.1	103.4	63.3	51.1	45.7	45.5	47.7	42.0
37.5°	249.6	211.8	175.6	176.4	145.8	98.6	59.7	45.2	48.2	49.8	44.5
35°	351.9	285.3	262.8	251.5	206.9	140.0	69.3	48.6	52.0	52.5	47.2
32.5°	469.4	428.2	413.1	346.7	278.3	187.5	98.0	62.4	56.9	55.8	50.1
30°	746.7	680.9	610.5	456.9	363.6	254.3	144.9	76.6	62.9	59.7	53.0
27.5°	1193.9	980.5	853.3	635.7	467.8	330.7	203.7	91.1	69.9	64.2	56.0
25°	1676.5	1376.9	1143.3	861.8	581.6	448.7	269.8	107.2	80.6	69.8	59.3
22.5°	2221.4	1805.4	1464.6	1115.2	762.3	585.8	354.7	159.0	92.9	75.8	62.8
20°	2774.0	2240.2	1830.0	1427.7	997.9	741.5	461.6	213.8	105.1	82.3	66.4
17.5°	3351.9	2792.9	2329.1	1784.8	1261.8	905.6	577.2	270.6	117.1	89.1	70.2
15°	4235.7	3496.4	2865.0	2174.4	1523.4	1075.6	699.1	328.3	128.9	96.2	77.9
12.5°	5154.1	4212.9	3423.9	2586.8	1780.1	1248.7	824.2	385.7	140.3	110.8	90.7
10°	6049.4	4932.7	3995.0	3011.0	2029.1	1421.9	949.4	461.4	174.9	131.7	103.7
7.5°	6913.6	5645.5	4566.5	3435.4	2287.3	1649.5	1176.5	579.0	213.9	153.0	116.8
5°	7690.7	6270.9	5106.1	3880.7	2639.4	1929.9	1418.9	696.0	253.4	174.3	129.7
2.5°	8213.3	6747.9	5602.3	4296.4	2975.5	2199.6	1654.4	808.7	292.6	195.3	142.5
0°	8676.8	7178.8	6058.3	4673.3	3291.9	2456.7	1875.6	913.4	330.6	215.7	154.8
-2.5°	8794.0	7285.4	6199.1	4903.9	3558.2	2691.7	2075.3	1075.1	453.9	292.0	203.2
-5°	8849.7	7356.2	6304.3	5096.4	3799.5	2910.8	2251.1	1222.8	572.7	366.1	250.4
-7.5°	8861.6	7412.8	6360.3	5234.9	4014.2	3112.5	2400.7	1354.5	684.9	437.0	295.6
-10°	8821.0	7435.6	6345.0	5198.9	4027.6	3195.7	2500.6	1468.2	788.1	503.4	338.2
-12.5°	8726.6	7406.1	6292.0	5118.9	3979.8	3164.8	2436.0	1511.2	876.9	564.4	377.6
-15°	8581.1	7320.8	6201.7	4993.3	3901.7	3113.8	2362.9	1517.9	931.2	618.0	413.2
-17.5°	8311.7	7176.9	6074.2	4820.9	3792.5	3041.7	2284.9	1515.5	977.6	664.0	447.0
-20°	7739.8	6811.0	5899.3	4601.2	3651.4	2947.7	2205.7	1505.0	1015.8	703.9	478.6



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-7F-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7132.8	6293.5	5433.2	4408.0	3502.6	2831.3	2128.3	1487.4	1045.4	737.1	505.6
-25°	6481.5	5767.9	4943.4	4092.4	3358.5	2710.8	2070.0	1463.8	1066.2	763.2	527.6
-27.5°	5871.6	5237.9	4482.9	3780.8	3154.5	2603.8	2024.8	1478.7	1083.4	781.8	544.5
-30°	5290.1	4740.2	4114.2	3493.6	2948.0	2462.3	1976.7	1484.6	1101.5	797.4	555.8
-32.5°	4870.4	4294.9	3779.2	3258.8	2767.0	2312.7	1883.7	1479.4	1109.5	808.4	564.6
-35°	4538.3	3965.1	3466.5	3026.8	2592.8	2172.4	1773.6	1463.0	1107.2	811.7	568.8
-37.5°	4195.1	3682.3	3217.8	2811.8	2413.5	2026.2	1681.3	1391.6	1094.4	807.2	567.5
-40°	3875.0	3403.7	2985.8	2612.2	2243.1	1874.7	1582.0	1320.0	1079.0	794.9	560.6
-42.5°	3543.4	3133.4	2759.0	2408.5	2072.8	1757.4	1478.6	1243.9	1027.1	779.1	548.0
-45°	3230.9	2860.4	2529.3	2217.6	1904.9	1634.0	1389.6	1165.4	967.3	757.9	532.4
-47.5°	2913.6	2603.5	2310.0	2023.6	1762.8	1511.4	1296.0	1095.4	904.7	728.8	515.2
-50°	2630.5	2358.5	2101.2	1855.6	1615.2	1404.2	1202.6	1022.3	847.3	677.8	492.8
-52.5°	2389.1	2136.9	1913.7	1694.8	1490.8	1292.7	1118.9	947.2	787.5	630.0	465.3
-55°	2171.6	1939.4	1741.0	1553.2	1369.4	1195.0	1032.2	878.3	725.3	582.1	433.8
-57.5°	1984.8	1761.3	1589.8	1421.1	1258.9	1100.3	950.1	807.1	666.9	532.0	405.2
-60°	1809.4	1619.7	1447.8	1301.5	1154.4	1008.9	869.9	736.1	607.9	481.3	369.2
-62.5°	1663.7	1482.9	1323.5	1187.6	1054.1	921.6	788.7	667.7	546.6	434.1	329.6
-65°	1519.0	1356.1	1201.5	1080.8	957.6	832.4	711.1	597.0	487.3	384.5	290.7
-67.5°	1370.8	1225.3	1091.2	975.2	856.6	741.2	630.6	525.7	426.4	332.6	256.4
-70°	1213.9	1089.4	969.9	857.5	749.8	645.9	546.2	452.4	363.0	288.1	220.5
-72.5°	1043.3	934.2	831.7	733.9	636.6	544.5	458.2	378.3	307.0	241.8	183.0
-75°	860.2	769.1	682.6	599.3	517.2	440.3	372.5	309.5	249.1	193.9	149.1
-77.5°	664.1	592.9	525.7	463.3	400.4	342.1	288.4	238.7	192.1	152.0	115.8
-80°	475.0	425.9	377.9	330.9	284.4	241.7	208.0	175.4	141.2	109.9	81.7
-82.5°	297.3	267.3	239.8	213.1	186.6	161.2	137.0	113.8	89.3	67.0	54.0
-85°	160.0	143.2	127.0	111.3	95.2	79.9	72.3	64.9	55.8	47.4	39.8
-87.5°	65.2	61.8	58.3	54.8	50.6	46.5	42.5	38.6	33.9	29.4	25.4
-90°	5.7	6.1	6.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	10.0	9.6	9.1	8.7	7.9	7.0
87.5°	10.1	9.3	8.6	8.1	7.6	7.3	7.0
85°	13.2	11.7	10.3	9.1	8.2	7.5	7.0
82.5°	16.3	14.0	11.9	10.2	8.8	7.8	7.0
80°	19.0	16.2	13.5	11.2	9.4	8.0	7.0
77.5°	19.4	17.7	15.1	12.3	10.0	8.3	7.0
75°	19.7	17.8	16.3	13.2	10.5	8.6	7.0
72.5°	20.0	17.9	16.2	14.2	11.1	8.8	7.0
70°	20.3	17.9	16.1	14.9	11.6	9.1	7.0
67.5°	21.0	17.9	16.0	14.8	12.2	9.3	7.0
65°	21.6	18.1	15.8	14.6	12.7	9.5	7.0
62.5°	22.3	18.8	15.6	14.3	13.2	9.7	7.0
60°	22.9	19.3	15.4	14.1	13.7	10.0	7.0
57.5°	24.0	19.9	15.9	13.8	13.6	10.2	7.0
55°	25.1	20.5	16.3	13.6	13.5	10.4	7.0
52.5°	26.2	21.1	16.8	13.3	13.4	10.6	7.0
50°	27.3	22.1	17.2	13.0	13.4	10.8	7.0
47.5°	28.5	23.0	17.6	12.8	13.3	10.9	7.0
45°	30.3	24.0	18.0	13.1	13.3	11.1	7.0
42.5°	32.1	24.9	18.4	13.4	13.3	11.3	7.0
40°	33.8	25.8	18.9	13.9	13.4	11.4	7.0
37.5°	35.5	26.7	19.6	14.6	13.4	11.5	7.0
35°	37.2	27.9	20.2	15.4	13.5	11.7	7.0
32.5°	39.0	29.1	20.8	16.1	13.6	11.8	7.0
30°	41.2	30.3	21.4	16.9	13.7	11.9	7.0
27.5°	43.4	31.5	23.1	17.7	13.8	12.0	7.0
25°	45.7	32.6	25.1	18.6	14.0	12.0	7.0
22.5°	47.9	34.5	27.1	19.4	14.1	12.1	7.0
20°	50.2	38.9	29.1	20.2	14.3	12.2	7.0
17.5°	56.0	43.4	31.2	21.0	14.5	12.2	7.0
15°	64.2	48.2	33.3	21.8	14.6	12.2	7.0
12.5°	72.5	53.0	35.5	22.6	14.8	12.3	7.0
10°	80.9	57.9	37.6	23.4	15.0	12.3	7.0
7.5°	89.2	62.8	39.6	24.1	15.2	12.3	7.0
5°	97.5	67.6	41.6	24.8	15.4	12.3	7.0
2.5°	105.4	72.2	43.4	25.5	15.5	12.2	7.0
0°	113.1	76.6	45.2	26.1	15.7	12.2	7.0
-2.5°	142.4	93.0	54.0	30.0	16.8	12.4	7.0
-5°	170.9	108.9	62.6	33.7	17.9	12.6	7.0
-7.5°	198.2	124.1	70.8	37.3	19.0	12.8	7.0
-10°	223.9	138.5	78.6	40.7	20.1	13.0	7.0
-12.5°	247.6	151.8	85.8	43.9	21.0	13.2	7.0
-15°	269.0	163.9	92.3	46.8	22.0	13.3	7.0
-17.5°	287.7	174.6	98.2	49.4	22.8	13.5	7.0
-20°	306.0	183.8	103.2	51.6	23.6	13.6	7.0



REPORT NUMBER: P731567 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	325.5	191.4	107.4	53.5	24.3	13.7	7.0
-25°	341.6	201.2	110.6	54.9	24.8	13.7	7.0
-27.5°	354.2	210.6	112.8	55.9	25.3	13.8	7.0
-30°	363.0	217.7	114.3	56.4	25.7	13.8	7.0
-32.5°	368.0	222.3	117.8	56.5	26.0	13.8	7.0
-35°	372.0	224.4	119.9	56.0	26.2	13.8	7.0
-37.5°	373.4	224.9	120.6	55.0	26.2	13.7	7.0
-40°	371.0	225.0	119.8	53.5	26.1	13.7	7.0
-42.5°	364.8	222.8	118.7	52.0	25.9	13.6	7.0
-45°	354.6	218.2	117.6	51.1	25.6	13.5	7.0
-47.5°	340.6	211.3	115.2	49.5	25.2	13.3	7.0
-50°	327.6	202.1	111.6	49.0	24.6	13.1	7.0
-52.5°	312.1	190.6	106.7	48.4	23.9	12.9	7.0
-55°	293.5	180.9	100.8	47.3	23.1	12.7	7.0
-57.5°	271.8	170.1	93.6	45.7	22.2	12.5	7.0
-60°	248.0	157.6	85.6	43.5	21.2	12.2	7.0
-62.5°	227.9	143.5	79.9	40.8	20.4	11.9	7.0
-65°	205.6	127.8	73.2	37.6	19.6	11.6	7.0
-67.5°	181.3	113.0	65.7	33.9	18.7	11.3	7.0
-70°	155.2	99.1	57.5	29.9	17.7	11.0	7.0
-72.5°	131.9	84.1	48.6	27.3	16.7	10.6	7.0
-75°	107.9	68.1	39.0	25.0	15.7	10.3	7.0
-77.5°	82.7	51.3	33.6	22.6	14.6	9.9	7.0
-80°	56.4	40.6	29.1	20.0	13.5	9.5	7.0
-82.5°	43.8	33.1	24.3	17.4	12.3	9.1	7.0
-85°	32.8	25.5	19.5	14.7	11.1	8.7	7.0
-87.5°	21.6	17.8	14.5	11.9	9.9	8.3	7.0
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0

(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

