

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: P731722 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-3S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731722 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-3S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

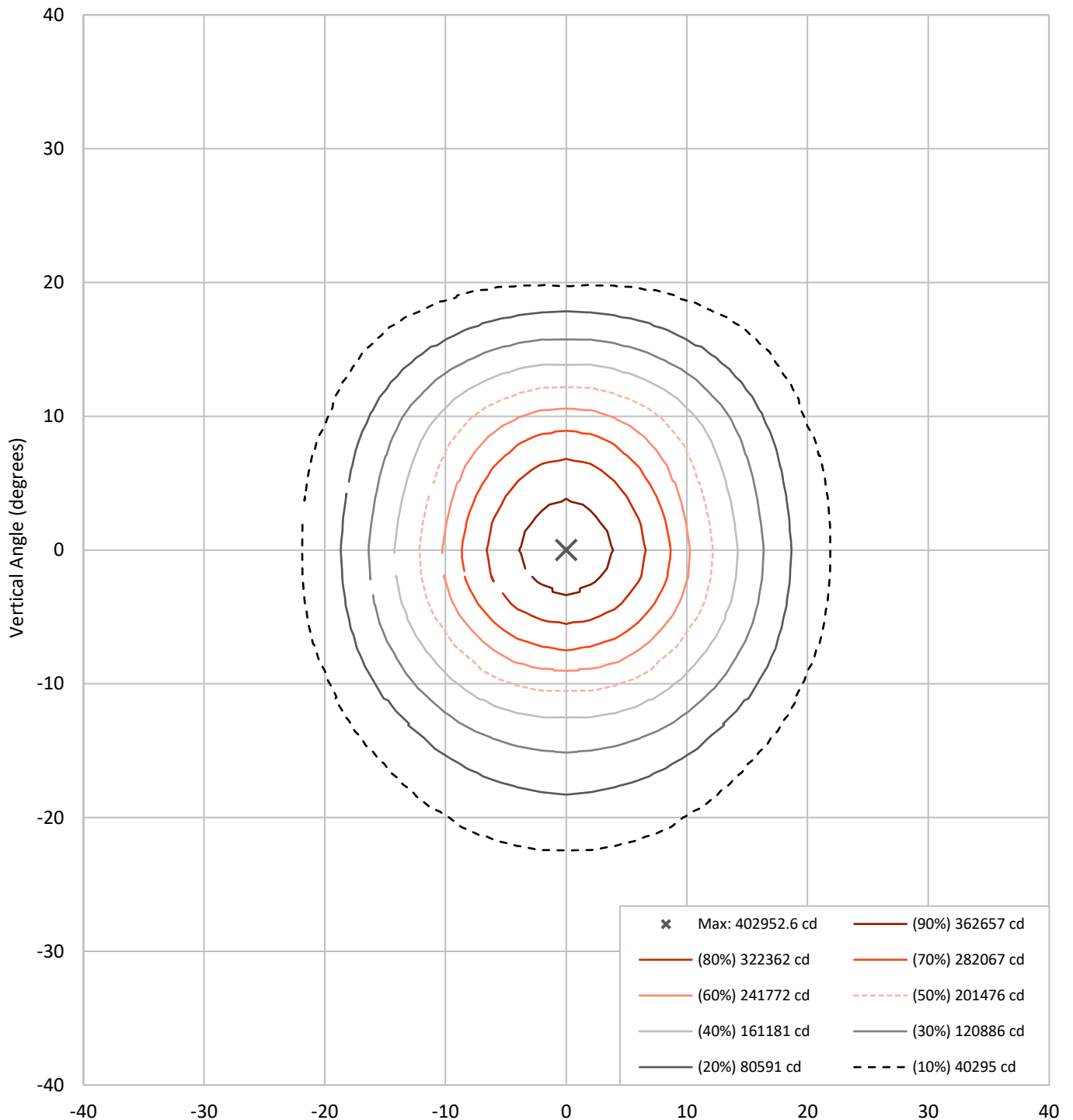
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	83515.2 lumens	Max Intensity:	402952.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	39381.3 lumens	Field Lumens:	71144.1 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

Input Watts (W): 697.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





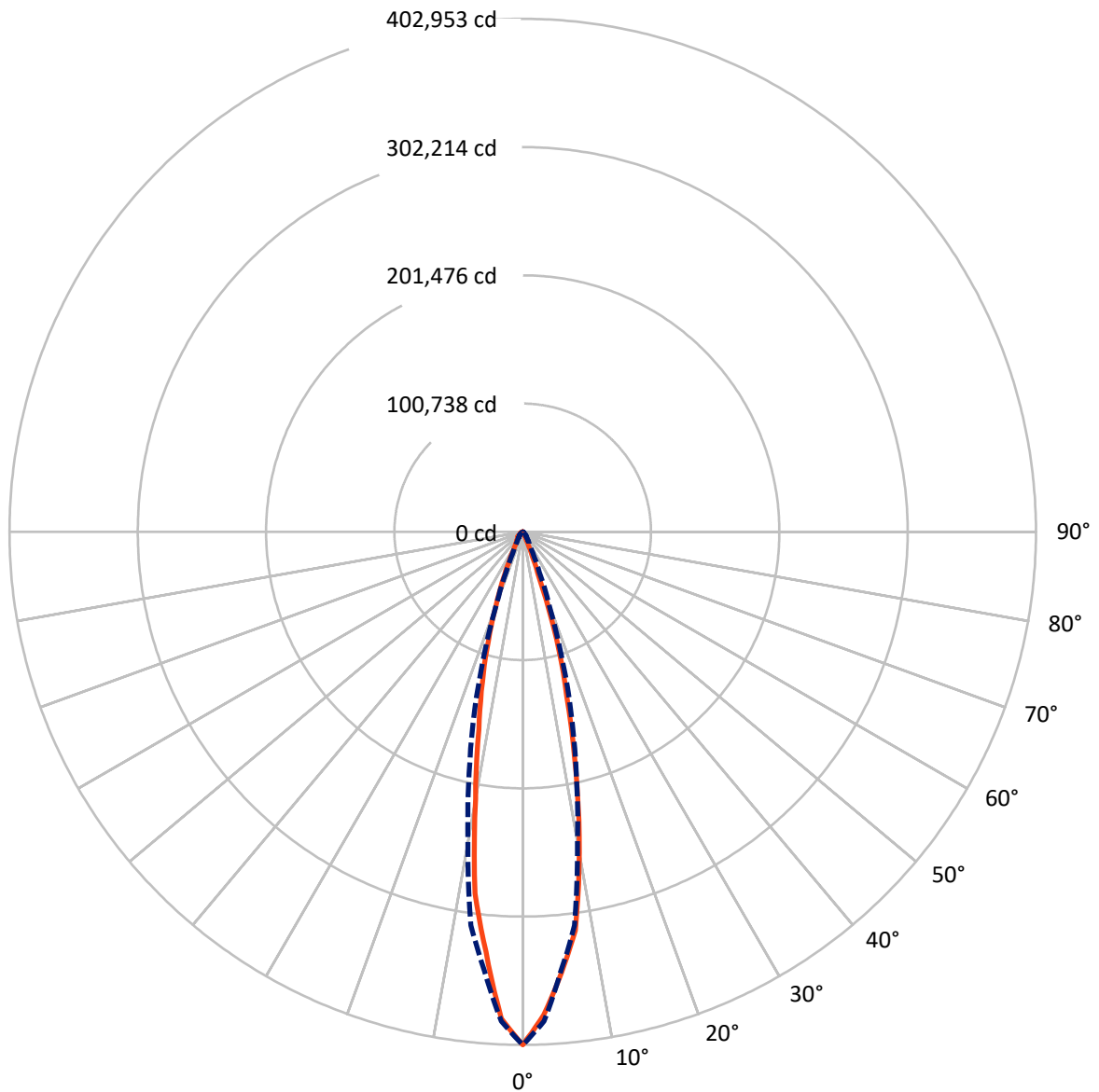
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Lumen Table

90	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1	
70	0.1	0.1	0.2	0.7	0.9	0.6	0.4	0.4	0.4	0.4	0.6	0.9	0.7	0.2	0.1	0.1
60		0.1	0.5	0.9	0.7	0.4	0.3	0.4	0.4	0.3	0.4	0.7	0.9	0.5	0.1	
50	0.2	0.3	0.7	0.7	0.8	1.2	2.2	1.5	1.5	2.2	1.2	0.8	0.7	0.7	0.3	0.2
40		0.4	1.4	3.3	5.9	8.5	11.7	14.0	14.0	11.7	8.5	5.9	3.3	1.4	0.4	
30	0.3	0.8	5.7	17.8	41.2	68.6	140.9	271.1	271.1	140.9	68.6	41.2	17.8	5.7	0.8	0.3
20		1.7	12.2	45.4	109.8	290.7	1600.5	3777.1	3777.1	1600.5	290.7	109.8	45.4	12.2	1.7	
10	0.4	2.6	16.1	60.4	141.3	620.0	3837.0	8998.6	8998.6	3837.0	620.0	141.3	60.4	16.1	2.6	0.4
0		3.3	17.3	61.4	141.6	613.9	3770.0	8623.4	8623.4	3770.0	613.9	141.6	61.4	17.3	3.3	
-10	0.7	3.9	16.4	50.9	111.3	293.0	1528.5	3449.7	3449.7	1528.5	293.0	111.3	50.9	16.4	3.9	0.7
-20		4.1	15.2	38.1	94.9	166.1	380.3	777.5	777.5	380.3	166.1	94.9	38.1	15.2	4.1	
-30	0.6	3.6	13.1	28.9	70.0	137.3	192.9	237.0	237.0	192.9	137.3	70.0	28.9	13.1	3.6	0.6
-40		2.6	9.9	22.8	42.5	75.4	123.5	158.1	158.1	123.5	75.4	42.5	22.8	9.9	2.6	
-50	0.3	1.3	6.1	15.3	29.0	44.6	59.8	69.2	69.2	59.8	44.6	29.0	15.3	6.1	1.3	0.3
-60		0.5	2.1	6.6	13.5	21.4	29.3	33.7	33.7	29.3	21.4	13.5	6.6	2.1	0.5	
-70	0.2	1.2	4.3	11.0	14.9	11.0	4.3	1.2	0.2	0.2						
-80		1.2	4.3	11.0	14.9	11.0	4.3	1.2	0.2							
-90	0.2		1.2		4.3		11.0		14.9		11.0		4.3		1.2	

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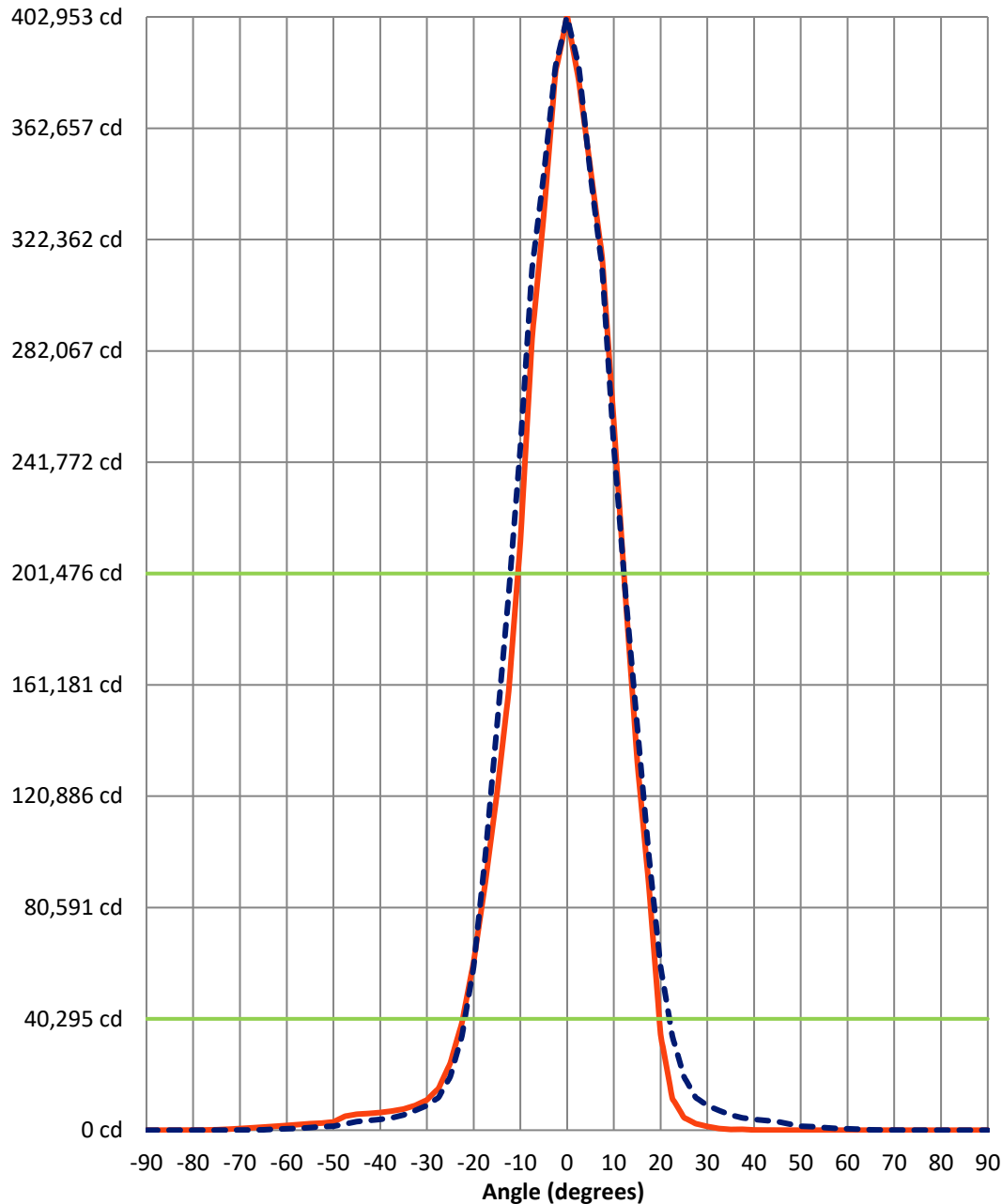
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 39381.3
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 71144.1
 Efficiency: 85.2%

Spill:
 Lumens: 12371.1
 Efficiency: 14.8%

— 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°	4.1	5.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.3	4.4	4.5	4.4	4.3	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.4	4.6	4.7	4.6	4.4	4.1	4.1	4.1	4.2	4.1
80°	4.1	4.4	4.8	4.9	4.8	4.6	4.2	4.4	4.5	4.4	4.1
77.5°	4.1	4.5	5.0	5.1	5.0	4.8	4.7	4.9	4.9	4.6	4.2
75°	4.1	4.6	5.1	5.3	5.2	5.1	5.2	5.4	5.2	4.7	4.3
72.5°	4.1	4.7	5.3	5.5	5.4	5.4	5.7	5.8	5.3	4.8	4.3
70°	4.1	4.8	5.5	5.7	5.5	5.7	6.1	5.8	5.3	4.9	4.9
67.5°	4.1	4.9	5.6	5.8	5.7	6.0	6.1	5.9	5.4	5.3	5.6
65°	4.1	4.9	5.8	5.8	5.8	6.1	6.1	5.9	5.7	5.8	6.2
62.5°	4.1	5.0	5.9	5.9	6.0	6.1	6.1	6.0	5.9	6.2	6.4
60°	4.1	5.1	6.1	5.9	6.1	6.1	6.1	6.1	6.1	6.6	6.7
57.5°	4.1	5.2	6.1	6.0	6.1	6.1	6.2	6.1	6.5	7.0	7.0
55°	4.1	5.2	6.1	6.0	6.1	6.1	6.3	6.2	7.0	7.5	7.5
52.5°	4.1	5.3	6.1	6.1	6.1	6.1	6.5	6.8	7.6	8.1	8.0
50°	4.1	5.4	6.1	6.1	6.1	6.3	6.7	7.4	8.2	8.7	10.8
47.5°	4.1	5.5	6.1	6.1	6.1	6.5	7.0	7.9	8.9	9.4	13.5
45°	4.1	5.5	6.1	6.1	6.1	6.8	7.4	8.5	9.5	11.5	16.1
42.5°	4.1	5.6	6.1	6.1	6.1	7.0	7.9	9.0	10.1	13.5	20.7
40°	4.1	5.6	6.1	6.1	6.2	7.3	8.4	9.6	11.0	15.3	25.5
37.5°	4.1	5.7	6.1	6.1	6.4	7.6	8.8	10.1	12.4	17.6	30.1
35°	4.1	5.7	6.1	6.1	6.6	7.9	9.2	10.6	13.7	21.8	33.9
32.5°	4.1	5.8	6.1	6.1	6.8	8.2	9.7	11.1	14.8	25.9	37.2
30°	4.1	5.8	6.1	6.1	7.1	8.6	10.0	11.7	15.8	30.1	40.6
27.5°	4.1	5.9	6.1	6.1	7.2	8.9	10.4	12.5	17.7	34.2	44.2
25°	4.1	5.9	6.1	6.1	7.4	9.2	10.8	13.3	20.9	37.5	48.0
22.5°	4.1	5.9	6.1	6.1	7.6	9.4	11.1	13.9	24.0	40.4	54.7
20°	4.1	6.0	6.1	6.1	7.7	9.6	11.5	14.5	27.0	43.3	61.9
17.5°	4.1	6.0	6.1	6.1	7.8	9.7	11.8	15.0	29.8	46.1	69.4
15°	4.1	6.0	6.1	6.1	7.9	9.9	12.2	15.6	32.4	48.9	77.2
12.5°	4.1	6.1	6.1	6.1	8.0	10.0	12.6	16.5	35.3	51.5	85.0
10°	4.1	6.1	6.1	6.1	8.1	10.0	13.0	17.4	38.7	55.7	93.7
7.5°	4.1	6.1	6.1	6.1	8.1	10.1	13.3	18.2	41.7	60.0	104.4
5°	4.1	6.1	6.1	6.1	8.2	10.2	13.7	19.1	44.6	64.2	114.8
2.5°	4.1	6.1	6.1	6.1	8.2	10.2	14.0	19.8	47.0	68.1	124.4
0°	4.1	6.1	6.1	6.1	8.2	10.2	14.3	20.5	49.1	71.7	133.1
-2.5°	4.1	6.1	6.2	6.4	8.6	11.1	16.7	26.9	60.4	90.1	156.8
-5°	4.1	6.1	6.3	6.6	8.9	12.0	19.1	33.0	71.0	107.7	178.9
-7.5°	4.1	6.1	6.4	6.9	9.2	12.8	21.3	38.7	80.7	124.2	199.3
-10°	4.1	6.1	6.5	7.1	9.5	13.5	23.3	43.9	89.3	139.4	217.6
-12.5°	4.1	6.1	6.5	7.4	9.8	14.2	25.0	48.4	96.6	152.8	236.1
-15°	4.1	6.0	6.6	7.6	10.1	14.8	26.4	52.0	103.1	165.1	252.5
-17.5°	4.1	6.0	6.7	7.8	10.3	15.3	27.5	55.4	108.8	175.3	265.1
-20°	4.1	6.0	6.7	8.0	10.5	15.6	28.5	58.3	112.7	183.4	273.4



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.1	6.0	6.8	8.2	10.7	15.8	29.4	59.9	114.5	189.1	277.1
-25°	4.1	6.0	6.8	8.4	10.9	16.1	29.7	60.2	114.2	192.3	276.0
-27.5°	4.1	5.9	6.9	8.5	11.1	16.1	29.3	59.1	111.5	192.5	278.6
-30°	4.1	5.9	6.9	8.6	11.2	16.1	28.1	56.4	109.0	189.0	278.1
-32.5°	4.1	5.9	6.9	8.7	11.3	15.8	26.0	54.5	105.8	182.4	274.2
-35°	4.1	5.8	6.9	8.7	11.3	15.3	25.0	52.1	100.4	172.6	266.6
-37.5°	4.1	5.8	6.9	8.7	11.3	14.9	24.4	48.5	92.7	159.6	249.6
-40°	4.1	5.8	6.8	8.7	11.3	14.9	23.5	43.7	82.8	147.5	228.5
-42.5°	4.1	5.8	6.8	8.7	11.2	14.7	22.3	37.6	74.4	132.0	204.2
-45°	4.1	5.7	6.7	8.6	11.1	14.5	20.8	32.7	65.9	113.8	177.9
-47.5°	4.1	5.7	6.6	8.5	10.9	14.2	18.9	30.5	55.8	93.7	154.8
-50°	4.1	5.7	6.6	8.3	10.7	13.9	18.2	27.9	43.7	79.8	129.2
-52.5°	4.1	5.6	6.5	8.2	10.5	13.4	17.6	24.9	37.2	64.6	102.2
-55°	4.1	5.6	6.4	8.0	10.3	13.0	16.9	21.8	33.1	48.2	83.3
-57.5°	4.1	5.6	6.2	7.8	10.0	12.6	16.0	20.7	28.7	40.4	63.1
-60°	4.1	5.5	6.1	7.6	9.7	12.2	15.1	19.4	24.7	34.9	46.6
-62.5°	4.1	5.5	6.1	7.4	9.3	11.7	14.4	18.1	23.0	29.1	39.9
-65°	4.1	5.5	6.1	7.1	8.9	11.1	13.7	16.8	21.3	26.2	32.9
-67.5°	4.1	5.4	6.1	6.9	8.5	10.6	12.9	15.9	19.4	24.0	28.9
-70°	4.1	5.4	6.1	6.6	8.1	9.9	12.1	14.8	18.0	21.6	26.1
-72.5°	4.1	5.4	6.1	6.5	7.6	9.3	11.2	13.7	16.6	19.8	23.3
-75°	4.1	5.3	6.1	6.5	7.2	8.6	10.2	12.5	15.1	18.0	21.0
-77.5°	4.1	5.3	6.1	6.4	7.0	7.9	9.3	11.3	13.6	16.0	18.7
-80°	4.1	5.3	6.1	6.4	6.8	7.4	8.3	10.0	12.0	14.1	16.3
-82.5°	4.1	5.2	6.1	6.3	6.6	7.1	7.7	8.9	10.3	12.0	13.8
-85°	4.1	5.2	6.1	6.2	6.5	6.8	7.2	8.0	8.9	10.0	11.3
-87.5°	4.1	5.1	6.1	6.2	6.3	6.4	6.6	7.0	7.5	8.1	8.7
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



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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°	6.6	7.2	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	3.6	3.1	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	3.6	3.1	2.7	2.3	2.3	2.3	2.2	2.0	2.0	2.0	2.0
82.5°	3.8	3.6	3.5	3.5	3.3	3.0	2.6	2.3	2.3	2.3	2.2
80°	4.0	4.1	4.1	4.1	3.9	3.7	3.6	3.7	3.6	3.3	3.0
77.5°	4.1	4.1	4.1	4.1	4.1	4.3	4.6	5.1	5.1	4.9	4.6
75°	4.1	4.1	4.2	4.2	4.3	4.8	5.4	5.9	5.9	5.8	5.8
72.5°	4.4	4.7	4.6	4.3	4.7	5.4	5.9	6.1	7.3	9.0	10.1
70°	5.2	5.3	5.2	5.3	5.7	6.6	8.7	11.6	14.5	16.6	19.3
67.5°	6.0	5.7	5.8	6.3	7.8	10.2	13.4	20.6	28.7	31.8	33.4
65°	6.1	6.0	6.6	8.0	10.0	16.0	24.0	33.4	43.2	45.4	45.2
62.5°	6.1	6.4	7.5	10.6	16.3	23.9	34.2	44.7	55.1	53.4	47.1
60°	6.3	6.6	10.3	16.3	23.3	33.3	44.6	50.2	53.6	53.2	45.8
57.5°	6.6	8.9	15.2	22.9	32.7	41.4	45.0	48.4	50.4	52.0	43.1
55°	8.2	13.1	21.0	31.2	39.1	40.8	42.9	44.1	45.8	42.6	33.0
52.5°	12.1	17.8	28.2	37.1	40.6	40.2	38.2	38.4	35.6	31.0	26.2
50°	15.6	24.6	34.4	39.9	41.5	38.5	33.1	31.4	28.5	24.8	21.4
47.5°	20.8	31.1	38.1	42.7	41.7	37.4	31.0	27.2	24.1	23.1	19.9
45°	26.6	35.7	42.3	44.3	42.1	36.6	31.4	24.5	26.0	25.7	25.4
42.5°	32.2	39.5	45.1	46.7	42.1	38.4	33.9	32.3	32.0	36.1	38.9
40°	35.7	43.1	48.4	48.8	43.7	42.8	45.9	47.9	46.0	53.0	58.8
37.5°	38.9	46.8	53.4	55.8	49.4	54.5	62.3	83.8	85.9	73.5	94.1
35°	41.9	51.3	63.4	73.0	72.6	73.1	106.2	139.0	154.3	135.0	152.9
32.5°	45.6	56.3	77.3	102.2	122.8	126.1	162.0	228.6	259.9	261.2	258.7
30°	51.0	69.5	99.0	139.9	192.0	242.5	269.8	343.1	393.3	479.4	544.6
27.5°	58.5	86.5	135.4	203.8	285.9	386.1	447.1	489.4	613.4	774.4	947.8
25°	67.1	120.7	177.5	285.7	425.2	552.5	630.2	681.1	897.6	1216.9	1440.2
22.5°	85.7	164.8	239.1	378.7	582.5	725.5	807.7	971.8	1307.5	1736.1	2000.5
20°	117.8	218.7	311.4	463.5	743.4	902.8	980.5	1306.2	1824.4	2263.9	2628.1
17.5°	154.9	273.0	383.1	563.0	833.8	1039.1	1171.2	1664.2	2375.1	2769.8	3187.0
15°	195.7	327.3	447.0	651.3	921.0	1119.9	1405.5	2095.8	2878.8	3255.7	3686.2
12.5°	238.9	380.9	503.5	728.7	1006.8	1194.5	1615.3	2403.6	3138.8	3649.2	4207.6
10°	283.0	433.3	553.4	795.6	1089.7	1263.0	1812.3	2660.2	3276.3	3756.3	4407.9
7.5°	310.3	469.3	594.3	852.2	1167.7	1325.8	1992.2	2867.4	3373.9	3819.8	4435.2
5°	330.2	486.6	614.4	890.6	1222.0	1375.6	2138.9	3027.2	3437.3	3845.1	4386.7
2.5°	344.7	500.2	631.4	919.5	1255.4	1409.9	2208.0	3088.6	3479.3	3876.1	4393.9
0°	354.2	509.8	644.9	939.7	1277.6	1439.3	2243.9	3110.0	3505.1	3902.3	4467.4
-2.5°	366.7	523.8	666.4	960.3	1283.2	1445.8	2249.2	3101.6	3519.9	3965.1	4546.8
-5°	375.0	533.9	683.6	971.9	1279.1	1446.7	2220.9	3057.2	3498.5	3949.7	4516.2
-7.5°	379.9	540.1	695.9	972.9	1257.2	1424.8	2124.6	2918.0	3378.4	3801.7	4358.6
-10°	384.0	548.8	707.6	956.3	1214.9	1386.7	1988.6	2752.7	3245.1	3635.0	4157.9
-12.5°	396.9	560.7	716.2	936.4	1171.4	1343.7	1822.4	2566.3	3101.4	3451.9	3941.5
-15°	405.9	570.2	721.3	914.5	1129.4	1296.1	1627.0	2363.1	2991.8	3385.5	3805.3
-17.5°	411.2	577.9	723.2	892.5	1091.1	1244.4	1412.2	2174.6	2904.6	3349.5	3737.1
-20°	412.8	584.2	721.9	871.5	1057.3	1213.6	1364.5	1945.9	2691.1	3292.2	3676.9



REPORT NUMBER: P731722 (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°	410.8	589.2	720.1	862.0	1035.5	1199.7	1346.3	1693.0	2409.4	3209.6	3599.8
-25°	409.6	582.2	719.7	848.5	1010.9	1183.0	1327.3	1456.5	2092.6	2891.7	3496.3
-27.5°	407.0	571.4	705.2	827.2	980.2	1159.5	1305.1	1432.5	1800.7	2530.5	3333.5
-30°	397.8	542.3	685.3	800.5	949.1	1119.8	1280.0	1415.0	1552.6	2161.7	2910.9
-32.5°	377.2	510.5	652.6	774.5	910.4	1073.7	1244.3	1384.0	1523.8	1747.3	2457.8
-35°	355.4	480.5	614.4	742.3	863.7	1020.8	1183.7	1342.6	1481.6	1627.8	1974.6
-37.5°	338.6	447.6	574.5	702.0	822.5	960.6	1116.5	1277.2	1427.0	1578.0	1748.7
-40°	318.3	411.9	534.7	656.9	777.2	901.8	1045.7	1197.6	1354.6	1528.4	1688.5
-42.5°	294.1	385.4	492.8	610.4	727.1	846.7	971.0	1114.8	1278.9	1462.7	1632.1
-45°	263.6	355.0	449.9	560.2	672.9	786.8	904.9	1029.5	1194.1	1369.6	1549.6
-47.5°	229.6	319.8	411.4	505.6	613.8	723.7	834.0	959.9	1099.0	1262.3	1437.3
-50°	194.3	277.7	367.3	454.4	549.9	655.3	761.8	883.0	1014.1	1150.1	1303.4
-52.5°	162.1	231.9	315.5	401.8	487.6	581.2	685.1	798.2	919.6	1049.0	1175.1
-55°	127.0	189.5	258.9	341.1	425.8	509.2	598.5	702.2	813.8	932.0	1050.1
-57.5°	98.6	145.5	205.2	273.9	354.1	437.1	516.5	599.2	696.9	802.9	906.2
-60°	74.0	107.4	152.7	210.9	275.3	351.9	431.0	507.6	585.2	663.4	754.7
-62.5°	51.4	77.3	108.7	148.9	204.2	264.0	333.4	406.3	480.3	547.6	614.3
-65°	43.1	51.8	73.4	102.8	133.9	184.5	240.0	298.2	363.2	421.3	481.3
-67.5°	34.5	42.5	50.3	62.0	88.8	118.0	149.5	198.6	249.3	291.2	334.0
-70°	30.2	33.7	40.0	46.9	53.7	65.6	91.1	118.5	145.8	173.1	208.2
-72.5°	26.5	29.5	32.7	36.1	41.7	47.3	53.1	58.9	74.2	95.0	114.2
-75°	23.3	25.2	27.8	30.6	33.4	36.0	38.8	43.6	48.3	53.1	57.9
-77.5°	20.3	21.8	23.5	25.3	27.3	29.5	31.7	33.9	35.8	37.7	39.7
-80°	17.4	18.4	19.5	20.7	22.1	23.6	25.1	26.8	28.1	29.3	30.6
-82.5°	14.6	15.3	16.0	16.7	17.3	17.9	18.6	19.6	20.6	21.4	22.3
-85°	11.9	12.3	12.7	13.2	13.6	14.0	14.4	14.8	15.2	15.5	15.9
-87.5°	9.2	9.7	10.2	10.5	10.7	10.8	11.0	11.1	11.2	11.3	11.5
-90°	3.6	3.1	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.2	8.7	9.2	9.7	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.7	2.6	2.5	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	4.4	4.1	3.8	3.5	3.2	3.0	2.8	2.5	2.1	2.0	2.0
75°	5.9	6.0	6.1	5.8	5.2	4.8	4.5	4.1	3.8	3.8	3.9
72.5°	10.8	10.8	10.4	10.3	9.6	9.4	9.4	9.3	8.9	9.2	9.5
70°	21.0	21.5	21.1	19.7	17.5	15.9	15.0	13.8	12.3	12.2	12.8
67.5°	33.0	31.5	29.6	27.2	23.5	20.4	18.8	17.3	15.9	15.5	15.9
65°	42.0	35.7	31.3	27.7	24.8	21.8	19.9	17.9	16.0	14.8	14.6
62.5°	40.6	33.3	28.5	25.2	22.5	20.1	17.7	15.3	13.0	11.5	11.6
60°	38.1	30.0	23.8	20.7	18.3	16.5	14.4	12.5	11.1	10.2	10.3
57.5°	32.4	23.7	18.1	16.7	15.0	13.1	11.7	11.0	10.5	10.2	10.2
55°	25.0	20.0	16.7	14.9	13.1	11.4	10.3	10.5	10.5	10.2	10.7
52.5°	20.6	17.7	15.4	13.6	12.8	12.3	12.1	12.1	12.3	12.7	13.0
50°	18.4	16.4	15.3	14.1	14.1	14.1	14.1	14.7	15.3	15.6	15.4
47.5°	18.6	17.8	18.7	16.3	16.7	18.2	18.3	18.5	19.8	20.2	20.0
45°	23.5	28.3	28.4	26.1	24.8	30.2	30.6	27.7	42.5	41.6	31.5
42.5°	41.8	44.6	44.8	47.2	52.4	68.9	99.4	127.0	131.2	115.3	79.1
40°	67.5	65.2	70.4	84.4	125.1	162.3	190.4	274.5	273.8	214.3	215.8
37.5°	109.9	107.4	115.3	158.0	171.1	147.9	208.4	214.2	183.4	218.6	221.7
35°	189.2	214.4	186.9	232.1	234.3	209.5	224.9	251.0	214.0	256.1	274.3
32.5°	344.8	389.5	393.7	390.2	413.5	436.2	422.8	486.2	497.6	539.7	586.0
30°	560.2	646.1	711.8	699.2	737.7	805.4	827.5	924.4	1020.9	1080.7	1227.3
27.5°	976.2	1019.6	1154.2	1249.0	1227.0	1337.7	1557.0	1624.9	1901.7	2034.2	2225.1
25°	1545.8	1622.8	1814.7	2039.6	2136.0	2321.3	2677.7	2848.3	3211.8	3397.5	4097.2
22.5°	2251.6	2512.4	2753.1	3055.4	3489.1	3857.4	4253.6	4919.7	6001.8	7556.6	9412.7
20°	3057.4	3494.5	3858.5	4416.9	5135.8	5828.6	6853.6	9809.2	12948.1	19495.4	23943.8
17.5°	3819.7	4513.6	5022.2	5763.7	6825.6	8559.9	12090.9	18697.2	29079.7	41763.0	53870.1
15°	4414.5	5123.9	6066.5	7185.7	8807.7	12201.5	18651.3	31709.2	51504.4	70830.9	91165.7
12.5°	4917.2	5667.4	6700.6	8216.7	10642.7	16742.8	28339.7	48009.8	74104.8	102875.8	133275.3
10°	5240.8	6151.7	7389.0	9391.4	13422.9	22089.5	37165.9	63524.1	98600.2	136163.7	169951.8
7.5°	5297.7	6409.2	7976.5	10412.1	16181.5	27667.0	47663.9	78671.1	117086.6	159393.8	201947.5
5°	5320.4	6649.0	8473.1	11214.0	18076.5	31701.5	53711.4	88375.3	131030.4	174480.6	220278.3
2.5°	5381.1	6884.4	8837.5	11775.0	19169.7	34107.3	57206.2	95326.4	140327.3	187509.1	238570.9
0°	5507.4	7131.0	8916.3	11870.6	19398.8	34158.3	59222.2	99309.6	146390.9	194059.7	247319.9
-2.5°	5575.9	7099.4	8849.8	11675.6	19103.5	34163.7	57284.7	96538.4	143229.0	189738.5	243409.4
-5°	5458.4	6782.3	8440.4	11087.1	17811.1	31431.6	53436.1	89382.9	132478.1	174295.3	217454.0
-7.5°	5205.9	6336.3	7858.4	10251.5	15807.1	27196.7	46479.6	75996.8	112591.4	148945.5	182569.8
-10°	4911.9	5863.5	7111.9	9038.3	12975.2	21504.3	36367.8	59592.7	91025.6	122234.1	150609.9
-12.5°	4594.6	5335.7	6260.0	7592.4	10043.2	16237.1	27562.2	45362.8	67097.6	90640.6	116414.8
-15°	4323.5	4869.8	5570.4	6705.2	8574.7	12096.4	18501.3	30346.9	45932.3	64388.9	83388.3
-17.5°	4141.2	4547.5	5157.6	6023.2	7172.3	9264.1	13899.6	20922.8	30950.9	44764.5	57312.5
-20°	4010.4	4392.5	4876.6	5558.2	6520.6	7995.4	10263.6	15104.1	21703.1	30656.4	39173.7



REPORT NUMBER: P731722 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3917.1	4260.9	4670.0	5218.5	6078.0	7230.5	8678.4	11027.6	15183.4	20463.2	26384.5
-25°	3825.3	4110.4	4561.7	5151.4	5742.1	6566.9	7567.5	8721.0	10934.9	13282.3	16917.0
-27.5°	3720.2	4073.0	4577.2	5128.1	5660.4	6069.7	6780.1	7575.6	8747.9	9882.7	11750.0
-30°	3643.7	4094.8	4596.5	5125.9	5536.0	5897.8	6295.1	6903.1	7661.6	8463.7	9322.1
-32.5°	3262.9	4027.7	4542.6	5017.3	5356.5	5692.7	6044.6	6466.4	6951.4	7459.5	7980.9
-35°	2752.6	3567.1	4365.9	4738.1	5081.8	5420.8	5787.8	6129.5	6471.7	6815.3	7142.7
-37.5°	2127.1	2925.3	3679.9	4330.1	4724.8	5070.0	5461.3	5812.0	6112.0	6370.2	6622.3
-40°	1858.2	2137.0	2867.0	3551.2	4125.7	4672.8	5041.5	5430.0	5764.6	6002.8	6216.8
-42.5°	1784.2	1941.3	2103.1	2627.9	3262.1	3824.3	4324.6	4810.6	5270.6	5601.7	5856.2
-45°	1720.0	1852.9	1991.5	2146.3	2300.9	2793.8	3313.9	3837.3	4378.8	4863.4	5255.8
-47.5°	1601.2	1762.1	1898.6	2026.7	2149.6	2289.8	2434.8	2643.3	3118.4	3603.3	4045.3
-50°	1454.4	1605.2	1757.4	1908.8	2022.7	2130.3	2240.5	2364.9	2503.3	2644.6	2763.8
-52.5°	1294.5	1433.2	1573.7	1707.3	1834.8	1958.7	2079.7	2189.3	2292.5	2392.0	2450.6
-55°	1164.7	1275.7	1386.3	1500.8	1617.1	1730.4	1842.9	1956.3	2065.5	2169.9	2228.1
-57.5°	1013.2	1123.8	1229.8	1317.0	1407.2	1499.4	1595.6	1693.3	1789.1	1878.3	1928.4
-60°	848.6	944.6	1036.4	1121.1	1204.6	1286.3	1365.2	1442.7	1517.2	1582.0	1621.3
-62.5°	683.2	761.3	837.4	909.5	979.6	1048.4	1122.2	1192.3	1258.1	1311.4	1344.1
-65°	542.1	601.7	654.6	706.4	757.6	816.6	879.3	938.8	994.6	1038.0	1066.7
-67.5°	383.9	435.2	483.7	529.9	572.4	614.4	659.1	702.7	744.7	777.2	800.3
-70°	241.8	274.2	306.2	340.3	377.5	414.5	451.3	485.2	516.2	539.5	557.1
-72.5°	131.8	147.4	163.7	187.9	211.1	235.8	261.1	285.0	307.3	323.0	334.7
-75°	62.6	69.5	82.1	93.3	103.3	114.2	125.2	135.3	144.5	149.3	152.0
-77.5°	42.8	46.3	49.4	52.2	54.8	58.0	61.5	65.0	68.5	70.7	72.5
-80°	32.0	33.4	34.8	36.2	37.5	39.0	40.5	41.8	43.0	44.1	45.1
-82.5°	23.1	23.8	24.5	25.2	25.8	26.8	27.8	28.7	29.6	30.4	31.2
-85°	16.2	16.6	17.0	17.4	17.6	18.2	18.8	19.4	20.1	20.2	20.3
-87.5°	11.6	12.2	12.7	13.3	13.9	14.0	14.1	14.1	14.2	14.2	14.2
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0



REPORT NUMBER: P731722 (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°	10.2	10.2	11.3	12.3	11.3	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	0.5	0.0	1.0	2.0	1.0	0.0	0.5	1.0	1.5	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	3.0	4.1	3.0	2.0	2.0	2.0	2.0	2.1	2.5
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	4.1
72.5°	9.8	10.0	10.2	10.2	10.2	10.0	9.8	9.5	9.2	8.9	9.3
70°	13.5	14.1	14.3	14.3	14.3	14.1	13.5	12.8	12.2	12.3	13.8
67.5°	16.2	16.3	16.4	16.4	16.4	16.3	16.2	15.9	15.5	15.9	17.3
65°	14.5	14.4	13.4	12.3	13.4	14.4	14.5	14.6	14.8	16.0	17.9
62.5°	11.9	12.3	12.3	12.3	12.3	12.3	11.9	11.6	11.5	13.0	15.3
60°	10.4	10.3	10.2	10.2	10.2	10.3	10.4	10.3	10.2	11.1	12.5
57.5°	10.2	10.2	11.0	12.3	11.0	10.2	10.2	10.2	10.2	10.5	11.0
55°	11.3	12.0	12.3	12.3	12.3	12.0	11.3	10.7	10.2	10.5	10.5
52.5°	12.9	12.5	12.3	12.3	12.3	12.5	12.9	13.0	12.7	12.3	12.1
50°	15.0	14.5	14.3	14.3	14.3	14.5	15.0	15.4	15.6	15.3	14.7
47.5°	19.6	18.8	18.3	18.4	18.3	18.8	19.6	20.0	20.2	19.8	18.5
45°	32.3	32.4	32.5	32.8	32.5	32.4	32.3	31.5	41.6	42.5	27.7
42.5°	76.0	65.7	56.7	57.3	56.7	65.7	76.0	79.1	115.3	131.2	127.0
40°	194.5	145.6	96.8	81.9	96.8	145.6	194.5	215.8	214.3	273.8	274.5
37.5°	200.3	204.3	240.4	323.5	240.4	204.3	200.3	221.7	218.6	183.4	214.2
35°	279.9	284.3	274.2	268.2	274.2	284.3	279.9	274.3	256.1	214.0	251.0
32.5°	595.2	621.6	618.3	601.9	618.3	621.6	595.2	586.0	539.7	497.6	486.2
30°	1282.0	1349.1	1341.9	1355.4	1341.9	1349.1	1282.0	1227.3	1080.7	1020.9	924.4
27.5°	2300.8	2383.7	2398.8	2381.1	2398.8	2383.7	2300.8	2225.1	2034.2	1901.7	1624.9
25°	4567.2	4698.3	4650.4	4588.2	4650.4	4698.3	4567.2	4097.2	3397.5	3211.8	2848.3
22.5°	11582.7	12101.3	12048.0	11610.6	12048.0	12101.3	11582.7	9412.7	7556.6	6001.8	4919.7
20°	31822.4	35246.6	36736.8	34717.2	36736.8	35246.6	31822.4	23943.8	19495.4	12948.1	9809.2
17.5°	67356.4	77789.5	85207.6	88303.0	85207.6	77789.5	67356.4	53870.1	41763.0	29079.7	18697.2
15°	110177.8	125882.8	135016.4	133789.3	135016.4	125882.8	110177.8	91165.7	70830.9	51504.4	31709.2
12.5°	158430.4	177044.4	192470.6	192797.6	192470.6	177044.4	158430.4	133275.3	102875.8	74104.8	48009.8
10°	205102.8	230937.4	251992.3	256072.4	251992.3	230937.4	205102.8	169951.8	136163.7	98600.2	63524.1
7.5°	240117.7	279721.8	306151.7	315836.1	306151.7	279721.8	240117.7	201947.5	159393.8	117086.6	78671.1
5°	274720.7	316219.6	343150.1	347927.6	343150.1	316219.6	274720.7	220278.3	174480.6	131030.4	88375.3
2.5°	298059.9	339921.2	363487.6	379833.8	363487.6	339921.2	298059.9	238570.9	187509.1	140327.3	95326.4
0°	311731.1	345839.3	384834.4	402952.6	384834.4	345839.3	311731.1	247319.9	194059.7	146390.9	99309.6
-2.5°	301394.6	339765.4	362090.8	382679.6	362090.8	339765.4	301394.6	243409.4	189738.5	143229.0	96538.4
-5°	267160.9	308891.3	328614.7	331188.3	328614.7	308891.3	267160.9	217454.0	174295.3	132478.1	89382.9
-7.5°	218301.9	257156.1	276092.8	286546.5	276092.8	257156.1	218301.9	182569.8	148945.5	112591.4	75996.8
-10°	176717.5	199392.2	212140.1	212979.4	212140.1	199392.2	176717.5	150609.9	122234.1	91025.6	59592.7
-12.5°	136435.3	151644.6	159184.2	158908.5	159184.2	151644.6	136435.3	116414.8	90640.6	67097.6	45362.8
-15°	100118.6	111934.6	118735.5	121996.5	118735.5	111934.6	100118.6	83388.3	64388.9	45932.3	30346.9
-17.5°	70667.0	80053.8	86868.4	89621.5	86868.4	80053.8	70667.0	57312.5	44764.5	30950.9	20922.8
-20°	48175.9	54609.2	59030.4	60907.1	59030.4	54609.2	48175.9	39173.7	30656.4	21703.1	15104.1



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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°	31732.9	36045.7	39077.0	38914.3	39077.0	36045.7	31732.9	26384.5	20463.2	15183.4	11027.6
-25°	20229.3	22600.7	24157.7	24283.8	24157.7	22600.7	20229.3	16917.0	13282.3	10934.9	8721.0
-27.5°	13389.1	14431.6	15059.9	15168.9	15059.9	14431.6	13389.1	11750.0	9882.7	8747.9	7575.6
-30°	10133.7	10613.5	10972.6	10957.5	10972.6	10613.5	10133.7	9322.1	8463.7	7661.6	6903.1
-32.5°	8424.5	8660.6	8817.9	8944.9	8817.9	8660.6	8424.5	7980.9	7459.5	6951.4	6466.4
-35°	7367.3	7487.5	7575.2	7655.1	7575.2	7487.5	7367.3	7142.7	6815.3	6471.7	6129.5
-37.5°	6767.2	6850.4	6905.5	6924.2	6905.5	6850.4	6767.2	6622.3	6370.2	6112.0	5812.0
-40°	6298.6	6345.5	6373.3	6389.8	6373.3	6345.5	6298.6	6216.8	6002.8	5764.6	5430.0
-42.5°	5946.9	6011.2	6044.4	6043.8	6044.4	6011.2	5946.9	5856.2	5601.7	5270.6	4810.6
-45°	5480.8	5643.4	5742.0	5783.8	5742.0	5643.4	5480.8	5255.8	4863.4	4378.8	3837.3
-47.5°	4407.6	4716.3	4933.0	5046.8	4933.0	4716.3	4407.6	4045.3	3603.3	3118.4	2643.3
-50°	2870.9	2974.1	3017.5	2999.4	3017.5	2974.1	2870.9	2763.8	2644.6	2503.3	2364.9
-52.5°	2493.9	2531.0	2553.4	2563.3	2553.4	2531.0	2493.9	2450.6	2392.0	2292.5	2189.3
-55°	2277.2	2318.4	2344.9	2358.6	2344.9	2318.4	2277.2	2228.1	2169.9	2065.5	1956.3
-57.5°	1970.2	2003.4	2023.6	2033.0	2023.6	2003.4	1970.2	1928.4	1878.3	1789.1	1693.3
-60°	1654.8	1682.0	1700.0	1709.6	1700.0	1682.0	1654.8	1621.3	1582.0	1517.2	1442.7
-62.5°	1370.6	1390.7	1408.4	1420.9	1408.4	1390.7	1370.6	1344.1	1311.4	1258.1	1192.3
-65°	1090.0	1107.9	1120.8	1128.1	1120.8	1107.9	1090.0	1066.7	1038.0	994.6	938.8
-67.5°	819.2	833.8	845.9	853.8	845.9	833.8	819.2	800.3	777.2	744.7	702.7
-70°	571.3	582.0	592.5	599.9	592.5	582.0	571.3	557.1	539.5	516.2	485.2
-72.5°	343.9	350.7	353.9	354.2	353.9	350.7	343.9	334.7	323.0	307.3	285.0
-75°	153.5	153.9	157.1	159.7	157.1	153.9	153.5	152.0	149.3	144.5	135.3
-77.5°	74.0	75.2	76.6	77.8	76.6	75.2	74.0	72.5	70.7	68.5	65.0
-80°	46.1	46.9	47.0	47.1	47.0	46.9	46.1	45.1	44.1	43.0	41.8
-82.5°	32.0	32.6	32.8	32.8	32.8	32.6	32.0	31.2	30.4	29.6	28.7
-85°	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.3	20.2	20.1	19.4
-87.5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.2	14.2	14.2	14.1
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.2	10.2	10.2	9.7	9.2	8.7	8.2	8.2	8.2	8.2	8.2
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.3	2.3	2.3
80°	2.0	2.0	2.0	2.3	2.5	2.6	2.7	3.0	3.3	3.6	3.7
77.5°	2.8	3.0	3.2	3.5	3.8	4.1	4.4	4.6	4.9	5.1	5.1
75°	4.5	4.8	5.2	5.8	6.1	6.0	5.9	5.8	5.8	5.9	5.9
72.5°	9.4	9.4	9.6	10.3	10.4	10.8	10.8	10.1	9.0	7.3	6.1
70°	15.0	15.9	17.5	19.7	21.1	21.5	21.0	19.3	16.6	14.5	11.6
67.5°	18.8	20.4	23.5	27.2	29.6	31.5	33.0	33.4	31.8	28.7	20.6
65°	19.9	21.8	24.8	27.7	31.3	35.7	42.0	45.2	45.4	43.2	33.4
62.5°	17.7	20.1	22.5	25.2	28.5	33.3	40.6	47.1	53.4	55.1	44.7
60°	14.4	16.5	18.3	20.7	23.8	30.0	38.1	45.8	53.2	53.6	50.2
57.5°	11.7	13.1	15.0	16.7	18.1	23.7	32.4	43.1	52.0	50.4	48.4
55°	10.3	11.4	13.1	14.9	16.7	20.0	25.0	33.0	42.6	45.8	44.1
52.5°	12.1	12.3	12.8	13.6	15.4	17.7	20.6	26.2	31.0	35.6	38.4
50°	14.1	14.1	14.1	14.1	15.3	16.4	18.4	21.4	24.8	28.5	31.4
47.5°	18.3	18.2	16.7	16.3	18.7	17.8	18.6	19.9	23.1	24.1	27.2
45°	30.6	30.2	24.8	26.1	28.4	28.3	23.5	25.4	25.7	26.0	24.5
42.5°	99.4	68.9	52.4	47.2	44.8	44.6	41.8	38.9	36.1	32.0	32.3
40°	190.4	162.3	125.1	84.4	70.4	65.2	67.5	58.8	53.0	46.0	47.9
37.5°	208.4	147.9	171.1	158.0	115.3	107.4	109.9	94.1	73.5	85.9	83.8
35°	224.9	209.5	234.3	232.1	186.9	214.4	189.2	152.9	135.0	154.3	139.0
32.5°	422.8	436.2	413.5	390.2	393.7	389.5	344.8	258.7	261.2	259.9	228.6
30°	827.5	805.4	737.7	699.2	711.8	646.1	560.2	544.6	479.4	393.3	343.1
27.5°	1557.0	1337.7	1227.0	1249.0	1154.2	1019.6	976.2	947.8	774.4	613.4	489.4
25°	2677.7	2321.3	2136.0	2039.6	1814.7	1622.8	1545.8	1440.2	1216.9	897.6	681.1
22.5°	4253.6	3857.4	3489.1	3055.4	2753.1	2512.4	2251.6	2000.5	1736.1	1307.5	971.8
20°	6853.6	5828.6	5135.8	4416.9	3858.5	3494.5	3057.4	2628.1	2263.9	1824.4	1306.2
17.5°	12090.9	8559.9	6825.6	5763.7	5022.2	4513.6	3819.7	3187.0	2769.8	2375.1	1664.2
15°	18651.3	12201.5	8807.7	7185.7	6066.5	5123.9	4414.5	3686.2	3255.7	2878.8	2095.8
12.5°	28339.7	16742.8	10642.7	8216.7	6700.6	5667.4	4917.2	4207.6	3649.2	3138.8	2403.6
10°	37165.9	22089.5	13422.9	9391.4	7389.0	6151.7	5240.8	4407.9	3756.3	3276.3	2660.2
7.5°	47663.9	27667.0	16181.5	10412.1	7976.5	6409.2	5297.7	4435.2	3819.8	3373.9	2867.4
5°	53711.4	31701.5	18076.5	11214.0	8473.1	6649.0	5320.4	4386.7	3845.1	3437.3	3027.2
2.5°	57206.2	34107.3	19169.7	11775.0	8837.5	6884.4	5381.1	4393.9	3876.1	3479.3	3088.6
0°	59222.2	34158.3	19398.8	11870.6	8916.3	7131.0	5507.4	4467.4	3902.3	3505.1	3110.0
-2.5°	57284.7	34163.7	19103.5	11675.6	8849.8	7099.4	5575.9	4546.8	3965.1	3519.9	3101.6
-5°	53436.1	31431.6	17811.1	11087.1	8440.4	6782.3	5458.4	4516.2	3949.7	3498.5	3057.2
-7.5°	46479.6	27196.7	15807.1	10251.5	7858.4	6336.3	5205.9	4358.6	3801.7	3378.4	2918.0
-10°	36367.8	21504.3	12975.2	9038.3	7111.9	5863.5	4911.9	4157.9	3635.0	3245.1	2752.7
-12.5°	27562.2	16237.1	10043.2	7592.4	6260.0	5335.7	4594.6	3941.5	3451.9	3101.4	2566.3
-15°	18501.3	12096.4	8574.7	6705.2	5570.4	4869.8	4323.5	3805.3	3385.5	2991.8	2363.1
-17.5°	13899.6	9264.1	7172.3	6023.2	5157.6	4547.5	4141.2	3737.1	3349.5	2904.6	2174.6
-20°	10263.6	7995.4	6520.6	5558.2	4876.6	4392.5	4010.4	3676.9	3292.2	2691.1	1945.9



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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°	8678.4	7230.5	6078.0	5218.5	4670.0	4260.9	3917.1	3599.8	3209.6	2409.4	1693.0
-25°	7567.5	6566.9	5742.1	5151.4	4561.7	4110.4	3825.3	3496.3	2891.7	2092.6	1456.5
-27.5°	6780.1	6069.7	5660.4	5128.1	4577.2	4073.0	3720.2	3333.5	2530.5	1800.7	1432.5
-30°	6295.1	5897.8	5536.0	5125.9	4596.5	4094.8	3643.7	2910.9	2161.7	1552.6	1415.0
-32.5°	6044.6	5692.7	5356.5	5017.3	4542.6	4027.7	3262.9	2457.8	1747.3	1523.8	1384.0
-35°	5787.8	5420.8	5081.8	4738.1	4365.9	3567.1	2752.6	1974.6	1627.8	1481.6	1342.6
-37.5°	5461.3	5070.0	4724.8	4330.1	3679.9	2925.3	2127.1	1748.7	1578.0	1427.0	1277.2
-40°	5041.5	4672.8	4125.7	3551.2	2867.0	2137.0	1858.2	1688.5	1528.4	1354.6	1197.6
-42.5°	4324.6	3824.3	3262.1	2627.9	2103.1	1941.3	1784.2	1632.1	1462.7	1278.9	1114.8
-45°	3313.9	2793.8	2300.9	2146.3	1991.5	1852.9	1720.0	1549.6	1369.6	1194.1	1029.5
-47.5°	2434.8	2289.8	2149.6	2026.7	1898.6	1762.1	1601.2	1437.3	1262.3	1099.0	959.9
-50°	2240.5	2130.3	2022.7	1908.8	1757.4	1605.2	1454.4	1303.4	1150.1	1014.1	883.0
-52.5°	2079.7	1958.7	1834.8	1707.3	1573.7	1433.2	1294.5	1175.1	1049.0	919.6	798.2
-55°	1842.9	1730.4	1617.1	1500.8	1386.3	1275.7	1164.7	1050.1	932.0	813.8	702.2
-57.5°	1595.6	1499.4	1407.2	1317.0	1229.8	1123.8	1013.2	906.2	802.9	696.9	599.2
-60°	1365.2	1286.3	1204.6	1121.1	1036.4	944.6	848.6	754.7	663.4	585.2	507.6
-62.5°	1122.2	1048.4	979.6	909.5	837.4	761.3	683.2	614.3	547.6	480.3	406.3
-65°	879.3	816.6	757.6	706.4	654.6	601.7	542.1	481.3	421.3	363.2	298.2
-67.5°	659.1	614.4	572.4	529.9	483.7	435.2	383.9	334.0	291.2	249.3	198.6
-70°	451.3	414.5	377.5	340.3	306.2	274.2	241.8	208.2	173.1	145.8	118.5
-72.5°	261.1	235.8	211.1	187.9	163.7	147.4	131.8	114.2	95.0	74.2	58.9
-75°	125.2	114.2	103.3	93.3	82.1	69.5	62.6	57.9	53.1	48.3	43.6
-77.5°	61.5	58.0	54.8	52.2	49.4	46.3	42.8	39.7	37.7	35.8	33.9
-80°	40.5	39.0	37.5	36.2	34.8	33.4	32.0	30.6	29.3	28.1	26.8
-82.5°	27.8	26.8	25.8	25.2	24.5	23.8	23.1	22.3	21.4	20.6	19.6
-85°	18.8	18.2	17.6	17.4	17.0	16.6	16.2	15.9	15.5	15.2	14.8
-87.5°	14.1	14.0	13.9	13.3	12.7	12.2	11.6	11.5	11.3	11.2	11.1
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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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°	8.2	8.2	8.2	8.2	7.7	7.2	6.6	6.1	6.1	6.1	6.1
87.5°	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1	4.1	4.1
85°	2.2	2.3	2.3	2.3	2.7	3.1	3.6	4.1	4.1	4.1	4.1
82.5°	2.6	3.0	3.3	3.5	3.5	3.6	3.8	4.1	4.2	4.1	4.1
80°	3.6	3.7	3.9	4.1	4.1	4.1	4.0	4.1	4.4	4.5	4.4
77.5°	4.6	4.3	4.1	4.1	4.1	4.1	4.1	4.2	4.6	4.9	4.9
75°	5.4	4.8	4.3	4.2	4.2	4.1	4.1	4.3	4.7	5.2	5.4
72.5°	5.9	5.4	4.7	4.3	4.6	4.7	4.4	4.3	4.8	5.3	5.8
70°	8.7	6.6	5.7	5.3	5.2	5.3	5.2	4.9	4.9	5.3	5.8
67.5°	13.4	10.2	7.8	6.3	5.8	5.7	6.0	5.6	5.3	5.4	5.9
65°	24.0	16.0	10.0	8.0	6.6	6.0	6.1	6.2	5.8	5.7	5.9
62.5°	34.2	23.9	16.3	10.6	7.5	6.4	6.1	6.4	6.2	5.9	6.0
60°	44.6	33.3	23.3	16.3	10.3	6.6	6.3	6.7	6.6	6.1	6.1
57.5°	45.0	41.4	32.7	22.9	15.2	8.9	6.6	7.0	7.0	6.5	6.1
55°	42.9	40.8	39.1	31.2	21.0	13.1	8.2	7.5	7.5	7.0	6.2
52.5°	38.2	40.2	40.6	37.1	28.2	17.8	12.1	8.0	8.1	7.6	6.8
50°	33.1	38.5	41.5	39.9	34.4	24.6	15.6	10.8	8.7	8.2	7.4
47.5°	31.0	37.4	41.7	42.7	38.1	31.1	20.8	13.5	9.4	8.9	7.9
45°	31.4	36.6	42.1	44.3	42.3	35.7	26.6	16.1	11.5	9.5	8.5
42.5°	33.9	38.4	42.1	46.7	45.1	39.5	32.2	20.7	13.5	10.1	9.0
40°	45.9	42.8	43.7	48.8	48.4	43.1	35.7	25.5	15.3	11.0	9.6
37.5°	62.3	54.5	49.4	55.8	53.4	46.8	38.9	30.1	17.6	12.4	10.1
35°	106.2	73.1	72.6	73.0	63.4	51.3	41.9	33.9	21.8	13.7	10.6
32.5°	162.0	126.1	122.8	102.2	77.3	56.3	45.6	37.2	25.9	14.8	11.1
30°	269.8	242.5	192.0	139.9	99.0	69.5	51.0	40.6	30.1	15.8	11.7
27.5°	447.1	386.1	285.9	203.8	135.4	86.5	58.5	44.2	34.2	17.7	12.5
25°	630.2	552.5	425.2	285.7	177.5	120.7	67.1	48.0	37.5	20.9	13.3
22.5°	807.7	725.5	582.5	378.7	239.1	164.8	85.7	54.7	40.4	24.0	13.9
20°	980.5	902.8	743.4	463.5	311.4	218.7	117.8	61.9	43.3	27.0	14.5
17.5°	1171.2	1039.1	833.8	563.0	383.1	273.0	154.9	69.4	46.1	29.8	15.0
15°	1405.5	1119.9	921.0	651.3	447.0	327.3	195.7	77.2	48.9	32.4	15.6
12.5°	1615.3	1194.5	1006.8	728.7	503.5	380.9	238.9	85.0	51.5	35.3	16.5
10°	1812.3	1263.0	1089.7	795.6	553.4	433.3	283.0	93.7	55.7	38.7	17.4
7.5°	1992.2	1325.8	1167.7	852.2	594.3	469.3	310.3	104.4	60.0	41.7	18.2
5°	2138.9	1375.6	1222.0	890.6	614.4	486.6	330.2	114.8	64.2	44.6	19.1
2.5°	2208.0	1409.9	1255.4	919.5	631.4	500.2	344.7	124.4	68.1	47.0	19.8
0°	2243.9	1439.3	1277.6	939.7	644.9	509.8	354.2	133.1	71.7	49.1	20.5
-2.5°	2249.2	1445.8	1283.2	960.3	666.4	523.8	366.7	156.8	90.1	60.4	26.9
-5°	2220.9	1446.7	1279.1	971.9	683.6	533.9	375.0	178.9	107.7	71.0	33.0
-7.5°	2124.6	1424.8	1257.2	972.9	695.9	540.1	379.9	199.3	124.2	80.7	38.7
-10°	1988.6	1386.7	1214.9	956.3	707.6	548.8	384.0	217.6	139.4	89.3	43.9
-12.5°	1822.4	1343.7	1171.4	936.4	716.2	560.7	396.9	236.1	152.8	96.6	48.4
-15°	1627.0	1296.1	1129.4	914.5	721.3	570.2	405.9	252.5	165.1	103.1	52.0
-17.5°	1412.2	1244.4	1091.1	892.5	723.2	577.9	411.2	265.1	175.3	108.8	55.4
-20°	1364.5	1213.6	1057.3	871.5	721.9	584.2	412.8	273.4	183.4	112.7	58.3



REPORT NUMBER: P731722 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1346.3	1199.7	1035.5	862.0	720.1	589.2	410.8	277.1	189.1	114.5	59.9
-25°	1327.3	1183.0	1010.9	848.5	719.7	582.2	409.6	276.0	192.3	114.2	60.2
-27.5°	1305.1	1159.5	980.2	827.2	705.2	571.4	407.0	278.6	192.5	111.5	59.1
-30°	1280.0	1119.8	949.1	800.5	685.3	542.3	397.8	278.1	189.0	109.0	56.4
-32.5°	1244.3	1073.7	910.4	774.5	652.6	510.5	377.2	274.2	182.4	105.8	54.5
-35°	1183.7	1020.8	863.7	742.3	614.4	480.5	355.4	266.6	172.6	100.4	52.1
-37.5°	1116.5	960.6	822.5	702.0	574.5	447.6	338.6	249.6	159.6	92.7	48.5
-40°	1045.7	901.8	777.2	656.9	534.7	411.9	318.3	228.5	147.5	82.8	43.7
-42.5°	971.0	846.7	727.1	610.4	492.8	385.4	294.1	204.2	132.0	74.4	37.6
-45°	904.9	786.8	672.9	560.2	449.9	355.0	263.6	177.9	113.8	65.9	32.7
-47.5°	834.0	723.7	613.8	505.6	411.4	319.8	229.6	154.8	93.7	55.8	30.5
-50°	761.8	655.3	549.9	454.4	367.3	277.7	194.3	129.2	79.8	43.7	27.9
-52.5°	685.1	581.2	487.6	401.8	315.5	231.9	162.1	102.2	64.6	37.2	24.9
-55°	598.5	509.2	425.8	341.1	258.9	189.5	127.0	83.3	48.2	33.1	21.8
-57.5°	516.5	437.1	354.1	273.9	205.2	145.5	98.6	63.1	40.4	28.7	20.7
-60°	431.0	351.9	275.3	210.9	152.7	107.4	74.0	46.6	34.9	24.7	19.4
-62.5°	333.4	264.0	204.2	148.9	108.7	77.3	51.4	39.9	29.1	23.0	18.1
-65°	240.0	184.5	133.9	102.8	73.4	51.8	43.1	32.9	26.2	21.3	16.8
-67.5°	149.5	118.0	88.8	62.0	50.3	42.5	34.5	28.9	24.0	19.4	15.9
-70°	91.1	65.6	53.7	46.9	40.0	33.7	30.2	26.1	21.6	18.0	14.8
-72.5°	53.1	47.3	41.7	36.1	32.7	29.5	26.5	23.3	19.8	16.6	13.7
-75°	38.8	36.0	33.4	30.6	27.8	25.2	23.3	21.0	18.0	15.1	12.5
-77.5°	31.7	29.5	27.3	25.3	23.5	21.8	20.3	18.7	16.0	13.6	11.3
-80°	25.1	23.6	22.1	20.7	19.5	18.4	17.4	16.3	14.1	12.0	10.0
-82.5°	18.6	17.9	17.3	16.7	16.0	15.3	14.6	13.8	12.0	10.3	8.9
-85°	14.4	14.0	13.6	13.2	12.7	12.3	11.9	11.3	10.0	8.9	8.0
-87.5°	11.0	10.8	10.7	10.5	10.2	9.7	9.2	8.7	8.1	7.5	7.0
-90°	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.1	6.1	6.1	6.1	6.1	5.1	4.1
87.5°	4.1	4.2	4.3	4.3	4.3	4.2	4.1
85°	4.1	4.3	4.4	4.5	4.4	4.3	4.1
82.5°	4.1	4.4	4.6	4.7	4.6	4.4	4.1
80°	4.2	4.6	4.8	4.9	4.8	4.4	4.1
77.5°	4.7	4.8	5.0	5.1	5.0	4.5	4.1
75°	5.2	5.1	5.2	5.3	5.1	4.6	4.1
72.5°	5.7	5.4	5.4	5.5	5.3	4.7	4.1
70°	6.1	5.7	5.5	5.7	5.5	4.8	4.1
67.5°	6.1	6.0	5.7	5.8	5.6	4.9	4.1
65°	6.1	6.1	5.8	5.8	5.8	4.9	4.1
62.5°	6.1	6.1	6.0	5.9	5.9	5.0	4.1
60°	6.1	6.1	6.1	5.9	6.1	5.1	4.1
57.5°	6.2	6.1	6.1	6.0	6.1	5.2	4.1
55°	6.3	6.1	6.1	6.0	6.1	5.2	4.1
52.5°	6.5	6.1	6.1	6.1	6.1	5.3	4.1
50°	6.7	6.3	6.1	6.1	6.1	5.4	4.1
47.5°	7.0	6.5	6.1	6.1	6.1	5.5	4.1
45°	7.4	6.8	6.1	6.1	6.1	5.5	4.1
42.5°	7.9	7.0	6.1	6.1	6.1	5.6	4.1
40°	8.4	7.3	6.2	6.1	6.1	5.6	4.1
37.5°	8.8	7.6	6.4	6.1	6.1	5.7	4.1
35°	9.2	7.9	6.6	6.1	6.1	5.7	4.1
32.5°	9.7	8.2	6.8	6.1	6.1	5.8	4.1
30°	10.0	8.6	7.1	6.1	6.1	5.8	4.1
27.5°	10.4	8.9	7.2	6.1	6.1	5.9	4.1
25°	10.8	9.2	7.4	6.1	6.1	5.9	4.1
22.5°	11.1	9.4	7.6	6.1	6.1	5.9	4.1
20°	11.5	9.6	7.7	6.1	6.1	6.0	4.1
17.5°	11.8	9.7	7.8	6.1	6.1	6.0	4.1
15°	12.2	9.9	7.9	6.1	6.1	6.0	4.1
12.5°	12.6	10.0	8.0	6.1	6.1	6.1	4.1
10°	13.0	10.0	8.1	6.1	6.1	6.1	4.1
7.5°	13.3	10.1	8.1	6.1	6.1	6.1	4.1
5°	13.7	10.2	8.2	6.1	6.1	6.1	4.1
2.5°	14.0	10.2	8.2	6.1	6.1	6.1	4.1
0°	14.3	10.2	8.2	6.1	6.1	6.1	4.1
-2.5°	16.7	11.1	8.6	6.4	6.2	6.1	4.1
-5°	19.1	12.0	8.9	6.6	6.3	6.1	4.1
-7.5°	21.3	12.8	9.2	6.9	6.4	6.1	4.1
-10°	23.3	13.5	9.5	7.1	6.5	6.1	4.1
-12.5°	25.0	14.2	9.8	7.4	6.5	6.1	4.1
-15°	26.4	14.8	10.1	7.6	6.6	6.0	4.1
-17.5°	27.5	15.3	10.3	7.8	6.7	6.0	4.1
-20°	28.5	15.6	10.5	8.0	6.7	6.0	4.1



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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-3S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	29.4	15.8	10.7	8.2	6.8	6.0	4.1
-25°	29.7	16.1	10.9	8.4	6.8	6.0	4.1
-27.5°	29.3	16.1	11.1	8.5	6.9	5.9	4.1
-30°	28.1	16.1	11.2	8.6	6.9	5.9	4.1
-32.5°	26.0	15.8	11.3	8.7	6.9	5.9	4.1
-35°	25.0	15.3	11.3	8.7	6.9	5.8	4.1
-37.5°	24.4	14.9	11.3	8.7	6.9	5.8	4.1
-40°	23.5	14.9	11.3	8.7	6.8	5.8	4.1
-42.5°	22.3	14.7	11.2	8.7	6.8	5.8	4.1
-45°	20.8	14.5	11.1	8.6	6.7	5.7	4.1
-47.5°	18.9	14.2	10.9	8.5	6.6	5.7	4.1
-50°	18.2	13.9	10.7	8.3	6.6	5.7	4.1
-52.5°	17.6	13.4	10.5	8.2	6.5	5.6	4.1
-55°	16.9	13.0	10.3	8.0	6.4	5.6	4.1
-57.5°	16.0	12.6	10.0	7.8	6.2	5.6	4.1
-60°	15.1	12.2	9.7	7.6	6.1	5.5	4.1
-62.5°	14.4	11.7	9.3	7.4	6.1	5.5	4.1
-65°	13.7	11.1	8.9	7.1	6.1	5.5	4.1
-67.5°	12.9	10.6	8.5	6.9	6.1	5.4	4.1
-70°	12.1	9.9	8.1	6.6	6.1	5.4	4.1
-72.5°	11.2	9.3	7.6	6.5	6.1	5.4	4.1
-75°	10.2	8.6	7.2	6.5	6.1	5.3	4.1
-77.5°	9.3	7.9	7.0	6.4	6.1	5.3	4.1
-80°	8.3	7.4	6.8	6.4	6.1	5.3	4.1
-82.5°	7.7	7.1	6.6	6.3	6.1	5.2	4.1
-85°	7.2	6.8	6.5	6.2	6.1	5.2	4.1
-87.5°	6.6	6.4	6.3	6.2	6.1	5.1	4.1
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1

(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

