

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: P731690 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-1S-CV1**

Issue Date: 11/16/2023

Test Information

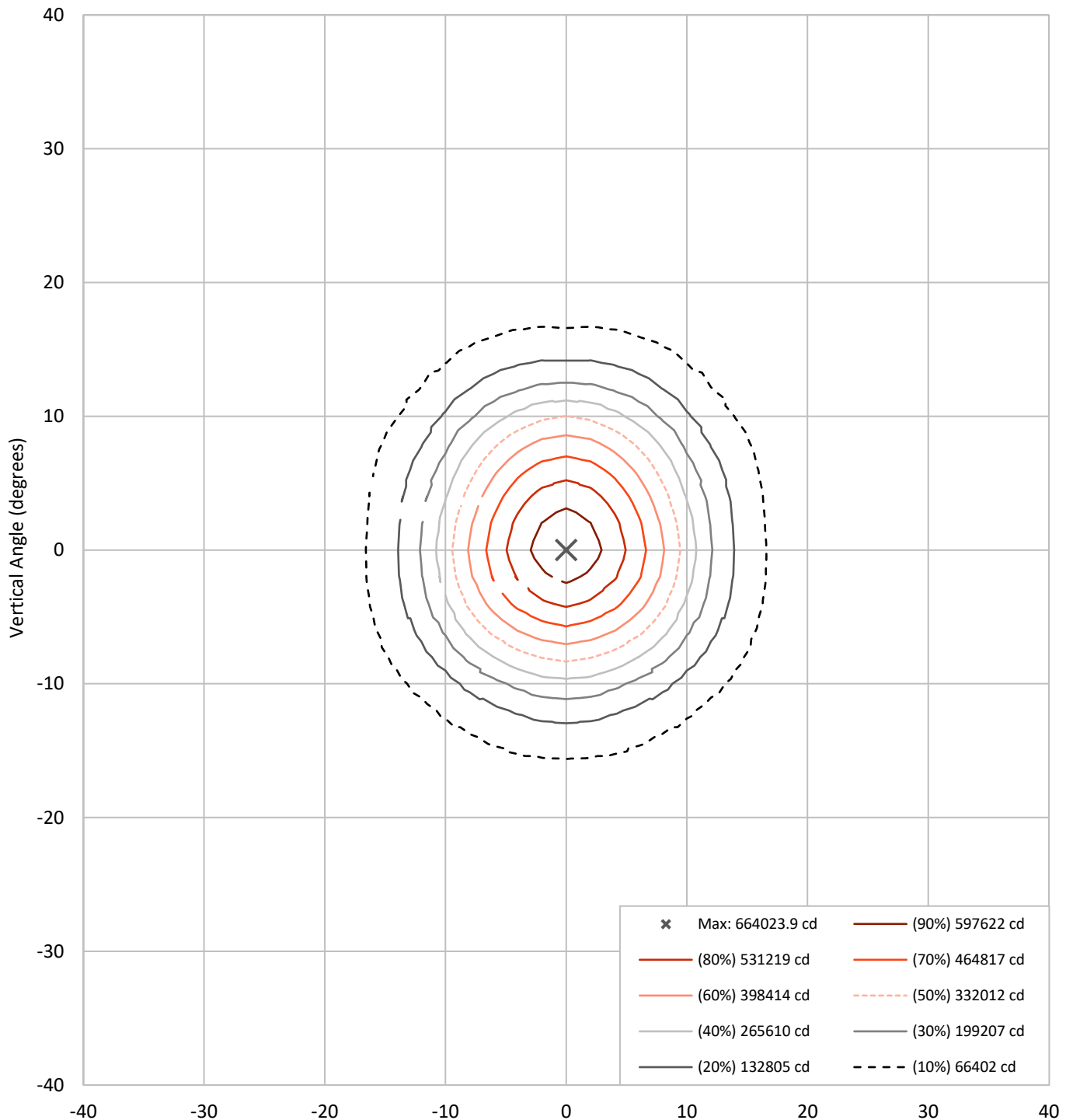
Test Method: LM-79-08
Report Number: P731690 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-1S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S 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:	79982.7 lumens	Max Intensity:	664023.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	37317.6 lumens	Field Lumens:	67778.9 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%
Input Watts (W):	724.3		
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





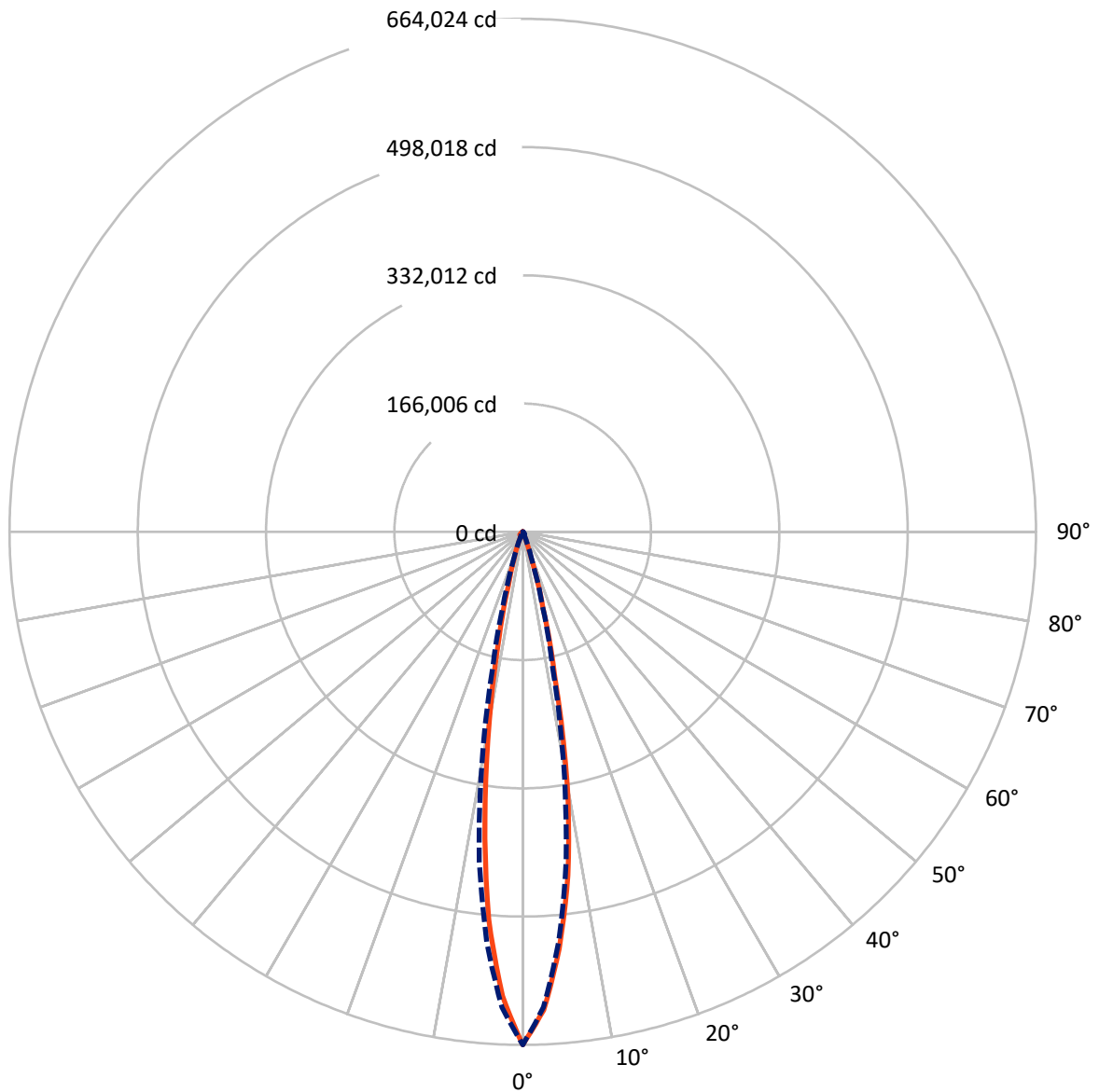
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Lumen Table

90	0.1	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.1					
80	0.1	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.1					
70	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.1
60		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1	
50	0.2	0.2	0.5	0.5	0.6	0.9	1.3	1.0	1.0	1.3	0.9	0.6	0.5	0.5	0.2	0.2
40		0.3	0.9	2.2	4.4	6.4	9.1	11.2	11.2	9.1	6.4	4.4	2.2	0.9	0.3	
30	0.3	0.6	4.4	13.8	32.6	44.4	71.0	126.7	126.7	71.0	44.4	32.6	13.8	4.4	0.6	0.3
20		1.4	9.3	39.9	80.3	106.4	777.9	3134.9	3134.9	777.9	106.4	80.3	39.9	9.3	1.4	
10	0.4	2.2	11.9	53.8	89.4	195.4	2914.4	12586.0	12586.0	2914.4	195.4	89.4	53.8	11.9	2.2	0.4
0		2.7	12.6	52.9	89.3	189.8	2788.1	11659.2	11659.2	2788.1	189.8	89.3	52.9	12.6	2.7	
-10	0.6	3.2	12.1	42.4	82.3	103.9	620.9	2327.8	2327.8	620.9	103.9	82.3	42.4	12.1	3.2	0.6
-20		3.2	11.8	29.4	81.5	102.2	115.7	199.8	199.8	115.7	102.2	81.5	29.4	11.8	3.2	
-30	0.5	2.8	10.7	20.7	57.9	119.9	140.3	144.7	144.7	140.3	119.9	57.9	20.7	10.7	2.8	0.5
-40		2.0	8.2	18.3	30.6	55.1	100.0	135.7	135.7	100.0	55.1	30.6	18.3	8.2	2.0	
-50	0.3	1.0	4.7	12.3	23.4	34.1	42.9	48.3	48.3	42.9	34.1	23.4	12.3	4.7	1.0	0.3
-60		0.5	1.6	4.8	10.1	16.5	22.8	26.5	26.5	22.8	16.5	10.1	4.8	1.6	0.5	
-70	0.2	1.3	3.6	8.4	11.3	8.4	3.6	1.3	0.2						0.2	
-80		0.2	1.3	3.6	8.4	11.3	8.4	3.6	1.3	0.2						
-90	0.2	1.3	3.6	8.4	11.3	8.4	3.6	1.3	0.2							

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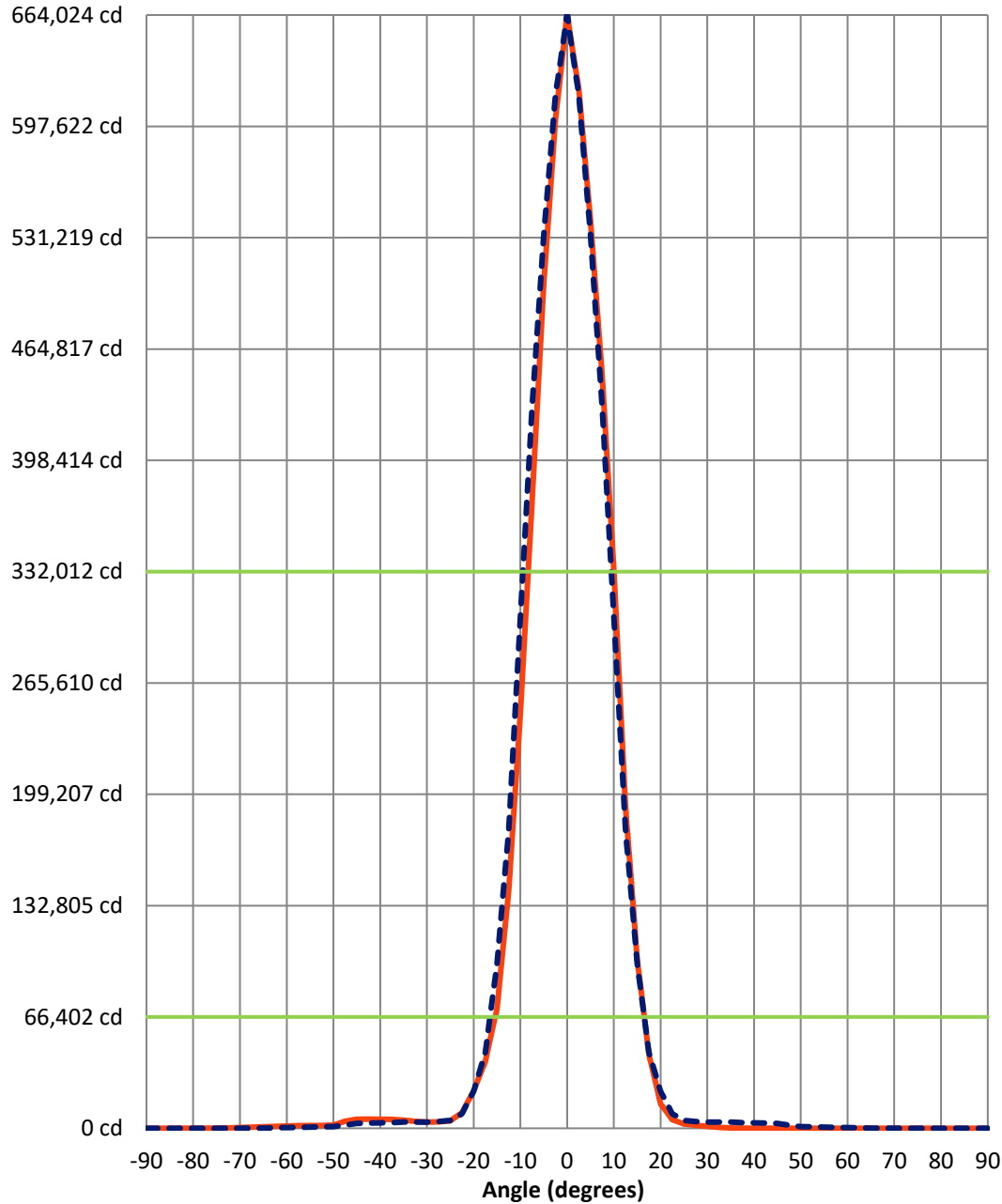
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 18.3°
Lumens: 37317.6
Efficiency: 46.7%

Field:
H Angle: 33°
V Angle: 31.9°
Lumens: 67778.9
Efficiency: 84.7%

Spill:
Lumens: 12203.7
Efficiency: 15.3%

— 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°	4.8	4.8	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.4	11.2
87.5°	4.8	4.8	4.8	4.5	4.1	3.9	3.6	3.6	3.5	3.4	3.2
85°	4.8	4.9	4.8	4.5	4.3	4.1	4.0	3.9	3.8	3.5	3.2
82.5°	4.8	4.9	4.8	4.6	4.4	4.4	4.4	4.3	4.1	3.9	3.7
80°	4.8	4.9	4.8	4.6	4.6	4.6	4.8	4.8	4.6	4.5	4.3
77.5°	4.8	5.0	4.8	4.7	4.7	4.9	5.3	5.3	5.2	5.1	4.9
75°	4.8	5.0	4.8	4.7	4.8	5.3	5.7	5.7	5.7	5.3	4.9
72.5°	4.8	5.1	4.8	4.8	5.1	5.6	6.1	6.1	5.7	5.4	5.0
70°	4.8	5.1	4.9	4.8	5.4	5.9	6.4	6.2	5.8	5.4	5.5
67.5°	4.8	5.1	4.9	5.0	5.6	6.2	6.4	6.2	5.8	6.0	6.2
65°	4.8	5.2	4.9	5.2	5.9	6.5	6.5	6.2	6.4	6.7	6.8
62.5°	4.8	5.2	5.0	5.4	6.1	6.6	6.6	6.6	7.0	7.2	7.0
60°	4.8	5.3	5.0	5.6	6.4	6.7	6.7	7.1	7.5	7.6	7.3
57.5°	4.8	5.3	5.2	5.8	6.5	6.9	7.1	7.6	8.0	8.0	7.9
55°	4.8	5.3	5.3	5.9	6.7	7.0	7.5	8.0	8.4	8.5	8.7
52.5°	4.8	5.4	5.5	6.1	6.9	7.2	7.9	8.5	9.0	9.2	9.4
50°	4.8	5.4	5.6	6.3	7.1	7.6	8.3	9.1	9.5	9.9	10.9
47.5°	4.8	5.5	5.8	6.4	7.2	7.9	8.7	9.6	10.1	10.6	12.4
45°	4.8	5.5	5.9	6.6	7.4	8.2	9.2	10.2	10.7	11.7	13.7
42.5°	4.8	5.6	6.1	6.7	7.6	8.5	9.7	10.7	11.3	12.8	16.2
40°	4.8	5.6	6.2	6.9	7.9	8.8	10.2	11.3	12.1	13.9	18.7
37.5°	4.8	5.7	6.4	7.1	8.1	9.1	10.8	11.8	13.1	15.4	21.1
35°	4.8	5.7	6.5	7.3	8.3	9.5	11.3	12.2	14.1	17.6	22.9
32.5°	4.8	5.8	6.6	7.6	8.5	9.9	11.8	12.7	15.2	19.8	24.9
30°	4.8	5.8	6.8	7.7	8.7	10.3	12.2	13.3	16.2	21.9	27.2
27.5°	4.8	5.9	6.9	7.9	9.0	10.8	12.6	14.2	17.5	23.9	29.8
25°	4.8	5.9	7.0	8.1	9.2	11.2	13.0	15.0	19.2	26.0	32.9
22.5°	4.8	6.0	7.1	8.3	9.5	11.6	13.4	15.8	20.7	28.3	37.4
20°	4.8	6.0	7.3	8.5	9.7	11.9	13.7	16.6	22.2	30.7	42.4
17.5°	4.8	6.1	7.4	8.7	9.9	12.1	14.0	17.4	23.5	33.2	47.7
15°	4.8	6.1	7.5	8.8	10.1	12.3	14.3	18.1	24.7	35.7	53.1
12.5°	4.8	6.2	7.6	9.0	10.3	12.5	14.6	18.7	25.9	38.2	58.7
10°	4.8	6.2	7.7	9.1	10.5	12.6	14.9	19.3	27.0	40.6	64.2
7.5°	4.8	6.3	7.8	9.2	10.7	12.7	15.2	19.7	28.0	42.8	69.5
5°	4.8	6.3	7.8	9.4	10.9	12.8	15.5	20.2	29.0	44.8	74.6
2.5°	4.8	6.4	7.9	9.5	11.1	12.8	15.8	20.5	29.7	46.5	79.2
0°	4.8	6.4	8.0	9.6	11.2	12.8	16.0	20.8	30.4	48.0	83.3
-2.5°	4.8	6.4	8.1	9.7	11.5	13.5	17.5	24.8	39.0	63.4	107.1
-5°	4.8	6.5	8.1	9.8	11.7	14.2	18.9	28.6	47.3	78.1	129.8
-7.5°	4.8	6.5	8.2	9.9	12.0	14.8	20.2	32.2	55.0	91.8	150.8
-10°	4.8	6.5	8.2	9.9	12.2	15.4	21.4	35.3	61.9	104.2	169.6
-12.5°	4.8	6.5	8.3	10.0	12.4	15.9	22.5	38.0	67.8	115.0	185.5
-15°	4.8	6.5	8.3	10.1	12.5	16.4	23.4	40.2	73.5	124.8	198.5
-17.5°	4.8	6.6	8.3	10.1	12.7	16.7	24.2	42.7	79.0	132.7	208.5
-20°	4.8	6.6	8.4	10.1	12.8	17.0	24.9	45.1	83.1	138.7	215.4



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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°	4.8	6.6	8.4	10.2	12.8	17.2	25.8	46.5	85.5	142.6	218.8
-25°	4.8	6.6	8.4	10.2	12.8	17.3	26.2	46.8	86.3	144.2	218.6
-27.5°	4.8	6.5	8.4	10.2	12.8	17.4	26.2	45.9	85.3	144.1	219.7
-30°	4.8	6.5	8.4	10.2	12.7	17.4	25.6	43.8	83.7	142.7	217.9
-32.5°	4.8	6.5	8.4	10.1	12.7	17.3	24.5	42.6	81.2	138.8	213.0
-35°	4.8	6.5	8.3	10.1	12.6	17.1	23.9	41.3	76.9	132.2	204.8
-37.5°	4.8	6.5	8.3	10.1	12.5	16.8	23.6	39.2	70.7	123.0	191.8
-40°	4.8	6.4	8.3	10.0	12.4	16.6	23.1	36.2	62.6	113.5	176.6
-42.5°	4.8	6.4	8.2	10.0	12.2	16.4	22.4	32.4	56.5	101.1	158.6
-45°	4.8	6.3	8.2	9.9	12.2	16.0	21.5	29.3	51.2	86.8	138.6
-47.5°	4.8	6.3	8.1	9.9	12.1	15.6	20.5	28.1	44.7	70.9	120.2
-50°	4.8	6.2	8.1	9.8	12.0	15.1	19.8	26.7	37.0	61.9	99.9
-52.5°	4.8	6.2	8.0	9.7	11.9	14.5	19.1	25.1	33.1	51.9	78.7
-55°	4.8	6.1	7.9	9.6	11.8	14.2	18.2	23.3	30.9	41.1	66.0
-57.5°	4.8	6.0	7.9	9.4	11.6	14.0	17.3	22.1	28.4	36.3	52.2
-60°	4.8	5.9	7.8	9.3	11.3	13.6	16.3	20.8	26.0	33.1	41.1
-62.5°	4.8	5.9	7.6	9.1	11.0	13.3	15.8	19.4	24.4	29.8	37.2
-65°	4.8	5.8	7.4	8.9	10.6	12.9	15.3	18.2	22.8	27.6	33.0
-67.5°	4.8	5.7	7.2	8.6	10.2	12.4	14.7	17.5	21.1	25.7	30.2
-70°	4.8	5.6	6.9	8.4	9.8	11.7	14.1	16.7	19.9	23.7	28.0
-72.5°	4.8	5.5	6.7	8.1	9.3	11.0	13.1	15.8	18.7	22.0	25.7
-75°	4.8	5.4	6.4	7.7	8.8	10.2	12.0	14.6	17.3	20.2	23.5
-77.5°	4.8	5.3	6.2	7.4	8.4	9.4	10.9	13.3	15.9	18.4	21.1
-80°	4.8	5.2	5.9	7.0	8.0	8.9	9.7	12.0	14.4	16.7	19.1
-82.5°	4.8	5.1	5.6	6.7	7.6	8.5	9.2	10.9	12.8	15.0	17.2
-85°	4.8	5.0	5.4	6.3	7.2	8.1	8.8	10.2	11.7	13.4	15.2
-87.5°	4.8	4.9	5.1	6.0	6.8	7.6	8.4	9.5	10.7	11.9	13.2
-90°	4.8	4.8	4.8	4.4	4.0	3.6	3.2	3.2	3.2	3.2	3.2



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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°	11.2	11.2	11.2	11.2	11.6	12.0	12.4	12.8	13.2	13.6	14.0
87.5°	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.6	1.6	1.6	1.6
85°	3.2	3.2	3.2	3.2	2.9	2.6	2.4	2.3	2.2	2.0	1.8
82.5°	3.7	3.6	3.5	3.2	3.1	3.1	3.2	3.2	2.9	2.7	2.5
80°	4.3	4.1	3.8	3.7	3.7	3.7	3.5	3.3	3.2	3.3	3.5
77.5°	4.6	4.4	4.4	4.6	4.5	4.2	4.1	4.1	4.3	4.5	4.7
75°	4.7	4.8	4.9	4.9	4.7	4.7	4.8	5.1	5.3	5.3	5.2
72.5°	5.1	5.3	5.2	5.0	5.2	5.5	5.9	6.3	7.0	7.9	8.7
70°	5.7	5.8	5.7	5.8	6.1	6.7	8.1	9.9	11.7	13.7	16.6
67.5°	6.3	6.1	6.2	6.6	7.7	9.2	11.2	17.6	25.1	28.2	29.1
65°	6.4	6.3	7.0	8.1	9.5	14.5	21.6	30.3	38.5	39.4	38.0
62.5°	6.5	7.1	8.1	10.4	15.2	22.0	29.6	37.9	47.1	47.6	41.7
60°	7.2	7.9	10.3	14.9	20.4	26.6	34.9	41.6	49.3	52.9	40.4
57.5°	8.0	9.4	13.4	18.8	24.4	29.0	33.5	40.4	44.5	45.2	33.3
55°	9.3	11.4	16.5	22.7	26.8	25.8	29.4	33.3	34.8	32.4	23.2
52.5°	11.1	13.7	20.2	25.5	26.4	24.2	24.2	26.0	24.2	20.8	18.1
50°	12.9	17.7	23.6	27.0	26.2	23.0	19.5	19.1	18.4	17.3	15.6
47.5°	15.9	21.4	26.5	28.5	25.2	21.9	17.7	17.1	17.1	16.4	15.0
45°	19.1	24.4	29.6	27.7	24.6	21.3	19.7	17.6	17.6	17.8	18.7
42.5°	22.1	26.9	29.4	27.0	24.9	24.0	23.6	21.1	20.9	25.3	26.8
40°	24.1	28.9	29.4	29.0	26.8	29.0	29.7	29.9	31.2	35.9	38.2
37.5°	25.8	29.7	31.5	34.6	32.4	36.0	37.6	55.1	57.3	48.4	66.4
35°	27.1	31.1	39.2	47.9	50.7	45.1	68.1	92.0	100.4	95.0	115.4
32.5°	28.6	33.3	49.6	70.5	89.5	84.7	107.0	148.6	175.1	188.6	204.9
30°	31.5	43.0	65.9	99.2	148.3	177.9	179.6	223.7	272.5	359.3	437.5
27.5°	36.5	55.7	93.5	153.6	229.5	291.1	302.6	331.0	442.9	606.9	813.5
25°	42.2	86.7	125.1	227.6	339.3	408.8	428.9	477.3	671.3	1047.7	1251.7
22.5°	57.9	127.9	178.6	313.8	462.6	522.5	564.6	740.8	1091.0	1588.4	1741.7
20°	87.6	175.6	245.1	387.9	587.1	634.9	698.2	1076.0	1637.4	2051.7	2259.9
17.5°	122.6	223.8	311.6	461.0	636.3	724.8	858.8	1459.8	2201.8	2499.4	2716.0
15°	161.7	272.0	369.3	525.4	679.8	784.6	1110.4	1906.1	2679.3	2925.5	3137.4
12.5°	203.5	319.8	419.0	581.4	722.8	840.1	1339.5	2219.9	2908.8	3257.0	3530.0
10°	246.6	366.7	461.5	629.2	764.5	891.2	1553.9	2488.8	3024.8	3313.1	3614.5
7.5°	273.3	396.6	494.2	669.5	804.3	937.7	1748.3	2712.5	3104.7	3330.6	3554.0
5°	293.4	406.9	502.5	687.6	834.1	971.9	1894.6	2890.4	3155.5	3317.3	3448.4
2.5°	308.6	413.9	508.1	697.5	856.5	989.2	1908.5	2918.5	3140.0	3292.0	3382.4
0°	318.7	418.0	510.9	701.5	874.5	1001.0	1880.3	2903.7	3105.5	3262.4	3368.1
-2.5°	329.9	430.2	534.0	713.9	876.1	1001.4	1853.4	2874.9	3139.7	3350.5	3526.0
-5°	336.7	440.0	553.5	721.5	873.1	997.4	1793.0	2801.2	3135.4	3357.4	3572.6
-7.5°	339.9	447.5	568.8	723.6	860.7	978.3	1690.5	2625.1	3003.5	3211.2	3477.5
-10°	341.1	457.1	576.0	712.3	836.3	948.3	1554.0	2421.7	2867.3	3057.2	3337.2
-12.5°	344.3	468.6	580.5	701.1	811.6	915.2	1387.0	2198.8	2730.0	2897.1	3182.2
-15°	344.3	477.9	583.7	691.4	787.6	879.2	1191.0	1963.2	2655.0	2926.4	3160.7
-17.5°	341.4	484.9	586.1	684.6	765.4	840.8	974.2	1752.9	2607.6	2989.6	3220.8
-20°	335.9	489.8	588.2	681.9	746.9	822.9	928.9	1518.4	2367.0	3018.2	3300.5



REPORT NUMBER: P731690 (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°	328.1	492.6	590.1	679.7	752.9	824.8	914.0	1252.6	2032.8	3014.6	3302.9
-25°	324.4	478.8	589.8	679.3	761.9	828.4	896.4	999.7	1673.6	2585.6	3215.3
-27.5°	322.9	462.9	579.6	672.7	770.1	834.3	893.2	977.0	1330.0	2071.9	3036.0
-30°	316.7	436.8	564.9	659.3	761.9	841.1	899.0	952.1	1049.4	1629.2	2431.6
-32.5°	302.1	409.5	537.0	639.7	742.4	847.4	901.1	946.9	1018.6	1190.1	1841.9
-35°	285.1	387.8	504.0	614.8	715.3	825.6	897.7	945.8	992.8	1075.9	1371.3
-37.5°	269.7	362.9	470.3	582.0	682.9	786.6	890.0	940.8	988.3	1047.6	1160.0
-40°	251.3	334.7	438.4	544.7	645.5	745.4	845.6	933.8	981.5	1058.6	1132.8
-42.5°	230.1	311.1	404.3	506.3	602.8	700.8	798.9	893.3	992.2	1069.6	1143.8
-45°	206.9	284.2	368.0	460.8	555.6	651.1	746.4	844.6	963.8	1081.8	1156.1
-47.5°	180.4	254.0	333.7	410.5	501.8	595.4	688.8	791.7	909.8	1033.0	1165.8
-50°	152.4	220.5	293.3	363.7	441.4	532.4	624.2	727.7	838.8	958.0	1083.1
-52.5°	126.8	183.3	248.9	317.0	384.8	460.7	552.5	650.8	754.9	867.0	976.2
-55°	99.0	148.9	201.0	265.0	331.4	395.9	470.6	562.7	658.6	760.1	858.8
-57.5°	78.0	113.3	157.2	208.2	270.6	335.7	400.1	469.6	554.6	644.1	726.4
-60°	60.9	84.0	116.0	157.7	203.9	263.7	327.4	390.4	456.1	521.5	592.5
-62.5°	45.2	62.9	83.4	110.5	149.3	190.1	243.0	301.8	362.9	417.2	468.7
-65°	40.1	45.3	59.4	78.2	97.3	131.0	168.4	207.7	258.7	306.6	353.2
-67.5°	34.7	39.7	44.3	51.3	68.1	84.9	101.5	134.1	168.1	198.8	231.4
-70°	31.5	34.3	38.3	42.3	46.1	53.2	67.8	82.1	95.7	112.4	138.0
-72.5°	28.5	30.7	33.2	36.1	39.5	42.8	46.2	49.7	58.3	69.6	79.7
-75°	25.6	27.0	28.9	31.1	33.5	35.8	38.2	41.0	44.0	47.2	50.5
-77.5°	22.7	23.9	25.1	26.3	27.8	29.8	31.8	33.7	35.6	37.3	39.1
-80°	20.0	20.8	21.7	22.6	23.7	24.8	26.0	27.3	28.6	30.1	31.5
-82.5°	17.8	18.4	18.9	19.4	20.0	20.4	21.0	21.7	22.5	23.4	24.3
-85°	15.6	16.0	16.4	16.7	17.0	17.4	17.7	18.0	18.3	18.6	18.8
-87.5°	13.4	13.6	13.8	14.0	14.3	14.6	14.8	15.1	15.3	15.4	15.6
-90°	2.8	2.4	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14.4	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6	17.6	17.6
87.5°	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	2.3	2.3	2.1	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	3.6	3.5	3.2	2.9	2.6	2.5	2.2	2.0	1.6	1.6	1.6
77.5°	4.8	4.5	4.1	3.7	3.3	3.1	3.0	2.9	2.9	3.0	3.1
75°	4.9	4.8	5.1	5.0	4.8	4.6	4.3	3.9	3.3	3.2	3.2
72.5°	9.5	9.9	9.7	9.5	8.7	8.1	7.8	7.5	7.0	6.9	6.8
70°	18.1	18.3	17.6	16.0	13.6	11.9	11.3	10.5	9.5	9.5	9.9
67.5°	27.7	25.3	23.1	20.4	17.1	14.9	14.1	13.2	12.3	11.9	11.9
65°	34.1	26.8	22.8	20.2	18.6	16.8	15.0	13.2	11.5	10.4	10.0
62.5°	33.7	23.5	19.0	16.9	15.3	14.1	12.3	10.7	9.3	8.5	8.3
60°	29.3	19.6	14.6	13.2	12.0	11.2	10.2	9.3	8.5	8.0	8.0
57.5°	22.9	15.2	11.2	11.0	10.6	9.9	9.3	8.9	8.4	8.0	8.4
55°	16.6	13.4	11.3	11.1	10.7	10.1	9.5	9.4	9.2	9.0	9.7
52.5°	14.4	13.1	12.6	12.3	11.6	11.2	11.1	11.1	11.2	11.5	11.8
50°	14.2	13.7	13.3	12.7	12.6	12.7	12.6	13.1	13.6	13.8	13.8
47.5°	14.8	14.6	15.1	14.2	14.5	15.5	15.8	16.1	17.3	17.5	17.5
45°	17.4	19.7	20.3	20.2	19.7	25.7	26.9	24.6	33.9	32.5	25.3
42.5°	26.8	29.7	31.5	37.3	45.9	51.5	66.4	91.2	81.6	61.5	39.7
40°	46.0	45.2	53.9	64.6	70.9	82.6	100.9	124.6	114.9	97.6	104.2
37.5°	81.1	82.1	85.0	99.0	104.1	91.2	118.1	116.2	98.5	126.0	129.3
35°	148.8	164.6	139.8	170.2	177.4	166.5	176.4	195.1	168.8	204.1	215.5
32.5°	267.7	295.0	296.1	303.2	328.4	352.8	359.7	410.2	426.5	469.2	515.0
30°	427.6	478.0	520.9	532.5	566.2	626.3	675.9	773.3	877.5	955.9	1058.8
27.5°	770.8	725.2	820.7	936.9	899.9	987.2	1166.1	1306.7	1514.5	1664.1	1744.9
25°	1246.8	1172.7	1346.6	1523.8	1524.2	1539.0	1797.7	2023.3	2193.4	2328.4	2446.9
22.5°	1808.5	1900.8	2056.8	2262.6	2155.3	2253.1	2510.0	2693.2	2931.5	3165.0	3864.9
20°	2438.0	2624.8	2753.2	2722.5	2717.7	2884.0	3110.0	3463.5	4184.3	6725.4	9151.9
17.5°	2992.6	3219.6	3208.4	3079.2	3140.4	3419.5	3829.6	5202.2	8843.6	17096.3	24819.7
15°	3422.7	3523.9	3457.3	3380.0	3517.0	3935.0	4960.7	9399.3	20449.4	33665.1	48750.0
12.5°	3710.1	3670.3	3495.7	3508.3	3833.8	4421.0	7907.1	18295.4	34273.4	53041.7	90967.7
10°	3821.1	3712.4	3559.6	3701.0	4145.0	5558.3	10635.1	25402.5	49559.2	88579.2	139698.4
7.5°	3745.5	3652.8	3609.8	3859.6	4450.5	7361.2	16531.8	35929.8	71038.8	121357.9	193295.6
5°	3696.6	3634.7	3644.0	3963.7	4643.7	8686.9	20699.2	42552.5	88116.9	153056.7	244577.1
2.5°	3693.7	3656.9	3673.1	4036.0	4752.6	9365.5	23046.9	43655.4	94115.9	170299.0	286537.4
0°	3733.3	3709.3	3694.8	4050.4	4700.6	8701.4	22111.4	45427.3	98231.4	178078.3	304766.6
-2.5°	3917.8	3721.1	3712.9	4049.6	4758.1	9195.3	22659.0	44815.4	96746.1	170888.5	285211.4
-5°	3873.6	3651.3	3615.8	3898.5	4560.0	8280.5	19837.2	41388.2	84981.3	145307.3	235081.1
-7.5°	3698.6	3550.0	3486.9	3711.9	4287.2	6950.1	15384.1	32676.5	63992.5	109527.3	169400.5
-10°	3556.3	3458.2	3364.9	3520.7	3957.9	5311.4	9807.1	21921.7	43528.3	74480.8	108769.1
-12.5°	3481.5	3435.0	3267.0	3310.5	3616.0	4216.3	6862.2	14817.6	27259.7	40443.9	66068.1
-15°	3428.5	3393.3	3235.9	3225.5	3396.1	3751.0	4520.6	7685.9	15243.8	24735.3	34906.3
-17.5°	3380.6	3367.7	3284.3	3193.8	3215.1	3420.8	3844.6	4968.5	7795.7	13828.9	20403.0
-20°	3403.7	3411.1	3347.4	3252.9	3219.2	3245.8	3465.9	3853.2	4569.3	7008.4	9986.7



REPORT NUMBER: P731690 (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°	3396.4	3418.1	3401.0	3407.8	3367.2	3305.3	3261.7	3430.8	3701.8	4135.5	5237.1
-25°	3395.7	3425.6	3552.7	3715.6	3698.6	3550.9	3396.2	3262.2	3417.3	3604.6	3878.0
-27.5°	3345.4	3539.8	3856.4	4096.5	4165.4	4003.5	3787.1	3561.9	3537.2	3531.3	3636.4
-30°	3328.9	3746.6	4120.1	4462.4	4510.6	4429.0	4328.8	4168.3	3996.1	3900.8	3849.9
-32.5°	2826.5	3837.8	4294.6	4602.5	4678.7	4675.1	4697.6	4621.5	4567.8	4506.1	4419.1
-35°	2145.9	3207.2	4325.5	4467.4	4591.4	4702.0	4850.0	4887.9	4917.7	4951.8	4982.2
-37.5°	1498.5	2325.8	3254.9	4065.5	4323.1	4515.5	4777.6	4970.0	5130.0	5209.4	5304.7
-40°	1241.3	1470.0	2189.8	2874.9	3550.0	4172.6	4455.0	4782.7	5089.2	5259.5	5415.3
-42.5°	1215.8	1297.2	1383.7	1861.6	2433.0	3020.6	3597.9	4121.2	4678.9	5050.7	5324.2
-45°	1224.1	1265.1	1315.6	1399.5	1489.1	1937.6	2421.3	2915.1	3524.5	4119.8	4639.5
-47.5°	1223.0	1260.5	1300.5	1341.1	1394.5	1478.1	1564.1	1703.9	2136.0	2592.9	3035.0
-50°	1180.6	1256.9	1294.2	1332.1	1371.0	1412.3	1455.7	1517.0	1590.2	1658.7	1714.1
-52.5°	1073.7	1163.5	1249.9	1322.3	1357.9	1394.2	1432.7	1483.8	1531.8	1576.8	1600.2
-55°	952.8	1042.2	1129.7	1207.3	1280.7	1351.4	1416.9	1463.7	1511.6	1560.4	1580.3
-57.5°	813.8	904.1	990.9	1063.3	1136.5	1209.7	1277.6	1342.8	1407.8	1469.4	1503.8
-60°	665.9	741.2	818.9	893.2	964.4	1032.0	1095.2	1157.0	1216.1	1267.8	1300.4
-62.5°	520.5	579.9	645.5	710.0	772.4	832.8	891.1	946.7	999.2	1043.4	1074.1
-65°	398.5	442.8	488.0	534.4	581.9	633.9	682.8	729.2	772.6	808.5	835.3
-67.5°	270.7	309.0	345.6	380.0	414.8	451.5	488.7	523.6	556.2	582.6	603.4
-70°	162.7	186.6	209.8	234.6	262.6	289.3	315.5	340.4	363.6	381.6	395.3
-72.5°	88.7	97.3	108.8	127.8	145.4	161.7	176.7	190.2	202.3	212.3	220.5
-75°	54.0	58.4	65.4	72.2	78.6	84.9	90.8	96.2	101.2	105.3	108.8
-77.5°	41.2	43.6	45.9	48.0	50.0	52.1	54.2	56.2	58.0	59.6	61.1
-80°	32.9	34.3	35.6	36.8	37.9	39.2	40.6	41.9	43.2	44.1	44.9
-82.5°	25.2	26.4	27.6	28.7	29.7	30.5	31.2	31.9	32.6	33.3	33.9
-85°	19.1	19.9	20.9	21.8	22.8	23.1	23.3	23.5	23.7	24.2	24.6
-87.5°	15.7	16.1	16.6	17.0	17.4	17.9	18.3	18.7	19.1	19.6	20.0
-90°	1.6	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.2
87.5°	0.4	0.0	0.8	1.6	0.8	0.0	0.4	0.8	1.2	1.5	1.5
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
77.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9
75°	3.2	3.2	4.0	4.8	4.0	3.2	3.2	3.2	3.2	3.3	3.9
72.5°	6.6	6.3	6.4	6.4	6.4	6.3	6.6	6.8	6.9	7.0	7.5
70°	10.4	11.0	11.2	11.2	11.2	11.0	10.4	9.9	9.5	9.5	10.5
67.5°	11.6	11.3	9.7	8.0	9.7	11.3	11.6	11.9	11.9	12.3	13.2
65°	9.8	9.7	8.9	8.0	8.9	9.7	9.8	10.0	10.4	11.5	13.2
62.5°	8.2	8.1	8.0	8.0	8.0	8.1	8.2	8.3	8.5	9.3	10.7
60°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.5	9.3
57.5°	8.9	9.4	9.6	9.6	9.6	9.4	8.9	8.4	8.0	8.4	8.9
55°	10.3	10.9	11.2	11.2	11.2	10.9	10.3	9.7	9.0	9.2	9.4
52.5°	11.7	11.4	11.8	12.8	11.8	11.4	11.7	11.8	11.5	11.2	11.1
50°	14.0	14.2	14.4	14.4	14.4	14.2	14.0	13.8	13.8	13.6	13.1
47.5°	17.7	17.6	17.5	17.6	17.5	17.6	17.7	17.5	17.5	17.3	16.1
45°	26.2	26.7	27.4	28.8	27.4	26.7	26.2	25.3	32.5	33.9	24.6
42.5°	41.5	42.4	42.8	43.2	42.8	42.4	41.5	39.7	61.5	81.6	91.2
40°	98.9	78.6	58.9	59.3	58.9	78.6	98.9	104.2	97.6	114.9	124.6
37.5°	113.6	103.3	99.2	97.7	99.2	103.3	113.6	129.3	126.0	98.5	116.2
35°	215.1	218.9	213.9	216.2	213.9	218.9	215.1	215.5	204.1	168.8	195.1
32.5°	529.7	551.2	543.5	546.1	543.5	551.2	529.7	515.0	469.2	426.5	410.2
30°	1100.4	1166.4	1181.4	1177.2	1181.4	1166.4	1100.4	1058.8	955.9	877.5	773.3
27.5°	1777.4	1829.9	1840.6	1830.6	1840.6	1829.9	1777.4	1744.9	1664.1	1514.5	1306.7
25°	2512.3	2562.2	2590.4	2576.9	2590.4	2562.2	2512.3	2446.9	2328.4	2193.4	2023.3
22.5°	4675.1	4902.0	5012.7	5163.5	5012.7	4902.0	4675.1	3864.9	3165.0	2931.5	2693.2
20°	13787.8	15355.1	15058.1	14734.6	15058.1	15355.1	13787.8	9151.9	6725.4	4184.3	3463.5
17.5°	34416.1	42122.4	45791.9	44298.2	45791.9	42122.4	34416.1	24819.7	17096.3	8843.6	5202.2
15°	70391.0	91922.5	104511.8	101151.1	104511.8	91922.5	70391.0	48750.0	33665.1	20449.4	9399.3
12.5°	127513.8	161733.8	187949.6	191702.2	187949.6	161733.8	127513.8	90967.7	53041.7	34273.4	18295.4
10°	200535.5	263770.9	315883.6	332898.4	315883.6	263770.9	200535.5	139698.4	88579.2	49559.2	25402.5
7.5°	287573.8	371988.8	432089.3	448794.5	432089.3	371988.8	287573.8	193295.6	121357.9	71038.8	35929.8
5°	357379.8	454530.1	521084.4	541526.9	521084.4	454530.1	357379.8	244577.1	153056.7	88116.9	42552.5
2.5°	409666.4	511568.1	585783.4	619694.5	585783.4	511568.1	409666.4	286537.4	170299.0	94115.9	43655.4
0°	429921.4	532609.3	615830.6	664023.9	615830.6	532609.3	429921.4	304766.6	178078.3	98231.4	45427.3
-2.5°	410107.5	505578.4	569664.3	601266.6	569664.3	505578.4	410107.5	285211.4	170888.5	96746.1	44815.4
-5°	341427.7	425906.8	481172.2	503482.9	481172.2	425906.8	341427.7	235081.1	145307.3	84981.3	41388.2
-7.5°	244641.2	313988.5	355182.6	373981.4	355182.6	313988.5	244641.2	169400.5	109527.3	63992.5	32676.5
-10°	158941.0	197325.6	238860.6	247750.3	238860.6	197325.6	158941.0	108769.1	74480.8	43528.3	21921.7
-12.5°	89543.5	113764.8	134407.7	141857.7	134407.7	113764.8	89543.5	66068.1	40443.9	27259.7	14817.6
-15°	48445.9	62246.2	69682.0	71510.6	69682.0	62246.2	48445.9	34906.3	24735.3	15243.8	7685.9
-17.5°	27814.4	34443.7	38237.1	39978.7	38237.1	34443.7	27814.4	20403.0	13828.9	7795.7	4968.5
-20°	14863.3	18603.8	20739.6	22311.6	20739.6	18603.8	14863.3	9986.7	7008.4	4569.3	3853.2



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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°	6826.9	7979.8	8631.3	9367.7	8631.3	7979.8	6826.9	5237.1	4135.5	3701.8	3430.8
-25°	4115.5	4270.6	4364.1	4439.6	4364.1	4270.6	4115.5	3878.0	3604.6	3417.3	3262.2
-27.5°	3726.7	3777.5	3806.8	3837.4	3806.8	3777.5	3726.7	3636.4	3531.3	3537.2	3561.9
-30°	3806.2	3754.7	3736.9	3717.3	3736.9	3754.7	3806.2	3849.9	3900.8	3996.1	4168.3
-32.5°	4331.4	4231.4	4177.8	4127.3	4177.8	4231.4	4331.4	4419.1	4506.1	4567.8	4621.5
-35°	4970.5	4925.5	4901.8	4872.0	4901.8	4925.5	4970.5	4982.2	4951.8	4917.7	4887.9
-37.5°	5320.7	5312.8	5311.4	5296.4	5311.4	5312.8	5320.7	5304.7	5209.4	5130.0	4970.0
-40°	5433.4	5430.3	5422.5	5414.9	5422.5	5430.3	5433.4	5415.3	5259.5	5089.2	4782.7
-42.5°	5397.1	5445.4	5468.6	5469.4	5468.6	5445.4	5397.1	5324.2	5050.7	4678.9	4121.2
-45°	4970.7	5217.0	5360.3	5398.9	5360.3	5217.0	4970.7	4639.5	4119.8	3524.5	2915.1
-47.5°	3428.7	3776.1	4043.8	4212.2	4043.8	3776.1	3428.7	3035.0	2592.9	2136.0	1703.9
-50°	1762.5	1807.7	1853.3	1897.9	1853.3	1807.7	1762.5	1714.1	1658.7	1590.2	1517.0
-52.5°	1618.9	1637.7	1649.5	1656.0	1649.5	1637.7	1618.9	1600.2	1576.8	1531.8	1483.8
-55°	1598.4	1615.9	1624.5	1627.2	1624.5	1615.9	1598.4	1580.3	1560.4	1511.6	1463.7
-57.5°	1533.4	1557.9	1572.5	1579.2	1572.5	1557.9	1533.4	1503.8	1469.4	1407.8	1342.8
-60°	1327.6	1349.3	1364.1	1372.6	1364.1	1349.3	1327.6	1300.4	1267.8	1216.1	1157.0
-62.5°	1099.6	1119.7	1131.0	1135.5	1131.0	1119.7	1099.6	1074.1	1043.4	999.2	946.7
-65°	857.4	874.9	892.6	906.5	892.6	874.9	857.4	835.3	808.5	772.6	729.2
-67.5°	621.0	635.1	650.6	663.1	650.6	635.1	621.0	603.4	582.6	556.2	523.6
-70°	406.0	413.7	426.4	437.2	426.4	413.7	406.0	395.3	381.6	363.6	340.4
-72.5°	227.1	232.0	241.4	249.8	241.4	232.0	227.1	220.5	212.3	202.3	190.2
-75°	111.7	114.0	115.0	115.3	115.0	114.0	111.7	108.8	105.3	101.2	96.2
-77.5°	62.5	63.7	64.0	64.1	64.0	63.7	62.5	61.1	59.6	58.0	56.2
-80°	45.6	46.2	47.1	48.0	47.1	46.2	45.6	44.9	44.1	43.2	41.9
-82.5°	34.5	35.1	35.2	35.2	35.2	35.1	34.5	33.9	33.3	32.6	31.9
-85°	25.1	25.6	25.6	25.6	25.6	25.6	25.1	24.6	24.2	23.7	23.5
-87.5°	20.4	20.8	20.8	20.8	20.8	20.8	20.4	20.0	19.6	19.1	18.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.8	16.4	16.0	15.6	15.2	14.8	14.4	14.0	13.6	13.2	12.8
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	2.0	2.2	2.3
82.5°	1.6	1.6	1.6	1.9	2.1	2.3	2.3	2.5	2.7	2.9	3.2
80°	2.2	2.5	2.6	2.9	3.2	3.5	3.6	3.5	3.3	3.2	3.3
77.5°	3.0	3.1	3.3	3.7	4.1	4.5	4.8	4.7	4.5	4.3	4.1
75°	4.3	4.6	4.8	5.0	5.1	4.8	4.9	5.2	5.3	5.3	5.1
72.5°	7.8	8.1	8.7	9.5	9.7	9.9	9.5	8.7	7.9	7.0	6.3
70°	11.3	11.9	13.6	16.0	17.6	18.3	18.1	16.6	13.7	11.7	9.9
67.5°	14.1	14.9	17.1	20.4	23.1	25.3	27.7	29.1	28.2	25.1	17.6
65°	15.0	16.8	18.6	20.2	22.8	26.8	34.1	38.0	39.4	38.5	30.3
62.5°	12.3	14.1	15.3	16.9	19.0	23.5	33.7	41.7	47.6	47.1	37.9
60°	10.2	11.2	12.0	13.2	14.6	19.6	29.3	40.4	52.9	49.3	41.6
57.5°	9.3	9.9	10.6	11.0	11.2	15.2	22.9	33.3	45.2	44.5	40.4
55°	9.5	10.1	10.7	11.1	11.3	13.4	16.6	23.2	32.4	34.8	33.3
52.5°	11.1	11.2	11.6	12.3	12.6	13.1	14.4	18.1	20.8	24.2	26.0
50°	12.6	12.7	12.6	12.7	13.3	13.7	14.2	15.6	17.3	18.4	19.1
47.5°	15.8	15.5	14.5	14.2	15.1	14.6	14.8	15.0	16.4	17.1	17.1
45°	26.9	25.7	19.7	20.2	20.3	19.7	17.4	18.7	17.8	17.6	17.6
42.5°	66.4	51.5	45.9	37.3	31.5	29.7	26.8	26.8	25.3	20.9	21.1
40°	100.9	82.6	70.9	64.6	53.9	45.2	46.0	38.2	35.9	31.2	29.9
37.5°	118.1	91.2	104.1	99.0	85.0	82.1	81.1	66.4	48.4	57.3	55.1
35°	176.4	166.5	177.4	170.2	139.8	164.6	148.8	115.4	95.0	100.4	92.0
32.5°	359.7	352.8	328.4	303.2	296.1	295.0	267.7	204.9	188.6	175.1	148.6
30°	675.9	626.3	566.2	532.5	520.9	478.0	427.6	437.5	359.3	272.5	223.7
27.5°	1166.1	987.2	899.9	936.9	820.7	725.2	770.8	813.5	606.9	442.9	331.0
25°	1797.7	1539.0	1524.2	1523.8	1346.6	1172.7	1246.8	1251.7	1047.7	671.3	477.3
22.5°	2510.0	2253.1	2155.3	2262.6	2056.8	1900.8	1808.5	1741.7	1588.4	1091.0	740.8
20°	3110.0	2884.0	2717.7	2722.5	2753.2	2624.8	2438.0	2259.9	2051.7	1637.4	1076.0
17.5°	3829.6	3419.5	3140.4	3079.2	3208.4	3219.6	2992.6	2716.0	2499.4	2201.8	1459.8
15°	4960.7	3935.0	3517.0	3380.0	3457.3	3523.9	3422.7	3137.4	2925.5	2679.3	1906.1
12.5°	7907.1	4421.0	3833.8	3508.3	3495.7	3670.3	3710.1	3530.0	3257.0	2908.8	2219.9
10°	10635.1	5558.3	4145.0	3701.0	3559.6	3712.4	3821.1	3614.5	3313.1	3024.8	2488.8
7.5°	16531.8	7361.2	4450.5	3859.6	3609.8	3652.8	3745.5	3554.0	3330.6	3104.7	2712.5
5°	20699.2	8686.9	4643.7	3963.7	3644.0	3634.7	3696.6	3448.4	3317.3	3155.5	2890.4
2.5°	23046.9	9365.5	4752.6	4036.0	3673.1	3656.9	3693.7	3382.4	3292.0	3140.0	2918.5
0°	22111.4	8701.4	4700.6	4050.4	3694.8	3709.3	3733.3	3368.1	3262.4	3105.5	2903.7
-2.5°	22659.0	9195.3	4758.1	4049.6	3712.9	3721.1	3917.8	3526.0	3350.5	3139.7	2874.9
-5°	19837.2	8280.5	4560.0	3898.5	3615.8	3651.3	3873.6	3572.6	3357.4	3135.4	2801.2
-7.5°	15384.1	6950.1	4287.2	3711.9	3486.9	3550.0	3698.6	3477.5	3211.2	3003.5	2625.1
-10°	9807.1	5311.4	3957.9	3520.7	3364.9	3458.2	3556.3	3337.2	3057.2	2867.3	2421.7
-12.5°	6862.2	4216.3	3616.0	3310.5	3267.0	3435.0	3481.5	3182.2	2897.1	2730.0	2198.8
-15°	4520.6	3751.0	3396.1	3225.5	3235.9	3393.3	3428.5	3160.7	2926.4	2655.0	1963.2
-17.5°	3844.6	3420.8	3215.1	3193.8	3284.3	3367.7	3380.6	3220.8	2989.6	2607.6	1752.9
-20°	3465.9	3245.8	3219.2	3252.9	3347.4	3411.1	3403.7	3300.5	3018.2	2367.0	1518.4



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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°	3261.7	3305.3	3367.2	3407.8	3401.0	3418.1	3396.4	3302.9	3014.6	2032.8	1252.6
-25°	3396.2	3550.9	3698.6	3715.6	3552.7	3425.6	3395.7	3215.3	2585.6	1673.6	999.7
-27.5°	3787.1	4003.5	4165.4	4096.5	3856.4	3539.8	3345.4	3036.0	2071.9	1330.0	977.0
-30°	4328.8	4429.0	4510.6	4462.4	4120.1	3746.6	3328.9	2431.6	1629.2	1049.4	952.1
-32.5°	4697.6	4675.1	4678.7	4602.5	4294.6	3837.8	2826.5	1841.9	1190.1	1018.6	946.9
-35°	4850.0	4702.0	4591.4	4467.4	4325.5	3207.2	2145.9	1371.3	1075.9	992.8	945.8
-37.5°	4777.6	4515.5	4323.1	4065.5	3254.9	2325.8	1498.5	1160.0	1047.6	988.3	940.8
-40°	4455.0	4172.6	3550.0	2874.9	2189.8	1470.0	1241.3	1132.8	1058.6	981.5	933.8
-42.5°	3597.9	3020.6	2433.0	1861.6	1383.7	1297.2	1215.8	1143.8	1069.6	992.2	893.3
-45°	2421.3	1937.6	1489.1	1399.5	1315.6	1265.1	1224.1	1156.1	1081.8	963.8	844.6
-47.5°	1564.1	1478.1	1394.5	1341.1	1300.5	1260.5	1223.0	1165.8	1033.0	909.8	791.7
-50°	1455.7	1412.3	1371.0	1332.1	1294.2	1256.9	1180.6	1083.1	958.0	838.8	727.7
-52.5°	1432.7	1394.2	1357.9	1322.3	1249.9	1163.5	1073.7	976.2	867.0	754.9	650.8
-55°	1416.9	1351.4	1280.7	1207.3	1129.7	1042.2	952.8	858.8	760.1	658.6	562.7
-57.5°	1277.6	1209.7	1136.5	1063.3	990.9	904.1	813.8	726.4	644.1	554.6	469.6
-60°	1095.2	1032.0	964.4	893.2	818.9	741.2	665.9	592.5	521.5	456.1	390.4
-62.5°	891.1	832.8	772.4	710.0	645.5	579.9	520.5	468.7	417.2	362.9	301.8
-65°	682.8	633.9	581.9	534.4	488.0	442.8	398.5	353.2	306.6	258.7	207.7
-67.5°	488.7	451.5	414.8	380.0	345.6	309.0	270.7	231.4	198.8	168.1	134.1
-70°	315.5	289.3	262.6	234.6	209.8	186.6	162.7	138.0	112.4	95.7	82.1
-72.5°	176.7	161.7	145.4	127.8	108.8	97.3	88.7	79.7	69.6	58.3	49.7
-75°	90.8	84.9	78.6	72.2	65.4	58.4	54.0	50.5	47.2	44.0	41.0
-77.5°	54.2	52.1	50.0	48.0	45.9	43.6	41.2	39.1	37.3	35.6	33.7
-80°	40.6	39.2	37.9	36.8	35.6	34.3	32.9	31.5	30.1	28.6	27.3
-82.5°	31.2	30.5	29.7	28.7	27.6	26.4	25.2	24.3	23.4	22.5	21.7
-85°	23.3	23.1	22.8	21.8	20.9	19.9	19.1	18.8	18.6	18.3	18.0
-87.5°	18.3	17.9	17.4	17.0	16.6	16.1	15.7	15.6	15.4	15.3	15.1
-90°	0.0	0.0	0.0	0.4	0.8	1.2	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	12.4	12.0	11.6	11.2	11.2	11.2	11.2	11.2	10.4	9.6	8.8
87.5°	1.9	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.6
85°	2.4	2.6	2.9	3.2	3.2	3.2	3.2	3.2	3.5	3.8	3.9
82.5°	3.2	3.1	3.1	3.2	3.5	3.6	3.7	3.7	3.9	4.1	4.3
80°	3.5	3.7	3.7	3.7	3.8	4.1	4.3	4.3	4.5	4.6	4.8
77.5°	4.1	4.2	4.5	4.6	4.4	4.4	4.6	4.9	5.1	5.2	5.3
75°	4.8	4.7	4.7	4.9	4.9	4.8	4.7	4.9	5.3	5.7	5.7
72.5°	5.9	5.5	5.2	5.0	5.2	5.3	5.1	5.0	5.4	5.7	6.1
70°	8.1	6.7	6.1	5.8	5.7	5.8	5.7	5.5	5.4	5.8	6.2
67.5°	11.2	9.2	7.7	6.6	6.2	6.1	6.3	6.2	6.0	5.8	6.2
65°	21.6	14.5	9.5	8.1	7.0	6.3	6.4	6.8	6.7	6.4	6.2
62.5°	29.6	22.0	15.2	10.4	8.1	7.1	6.5	7.0	7.2	7.0	6.6
60°	34.9	26.6	20.4	14.9	10.3	7.9	7.2	7.3	7.6	7.5	7.1
57.5°	33.5	29.0	24.4	18.8	13.4	9.4	8.0	7.9	8.0	8.0	7.6
55°	29.4	25.8	26.8	22.7	16.5	11.4	9.3	8.7	8.5	8.4	8.0
52.5°	24.2	24.2	26.4	25.5	20.2	13.7	11.1	9.4	9.2	9.0	8.5
50°	19.5	23.0	26.2	27.0	23.6	17.7	12.9	10.9	9.9	9.5	9.1
47.5°	17.7	21.9	25.2	28.5	26.5	21.4	15.9	12.4	10.6	10.1	9.6
45°	19.7	21.3	24.6	27.7	29.6	24.4	19.1	13.7	11.7	10.7	10.2
42.5°	23.6	24.0	24.9	27.0	29.4	26.9	22.1	16.2	12.8	11.3	10.7
40°	29.7	29.0	26.8	29.0	29.4	28.9	24.1	18.7	13.9	12.1	11.3
37.5°	37.6	36.0	32.4	34.6	31.5	29.7	25.8	21.1	15.4	13.1	11.8
35°	68.1	45.1	50.7	47.9	39.2	31.1	27.1	22.9	17.6	14.1	12.2
32.5°	107.0	84.7	89.5	70.5	49.6	33.3	28.6	24.9	19.8	15.2	12.7
30°	179.6	177.9	148.3	99.2	65.9	43.0	31.5	27.2	21.9	16.2	13.3
27.5°	302.6	291.1	229.5	153.6	93.5	55.7	36.5	29.8	23.9	17.5	14.2
25°	428.9	408.8	339.3	227.6	125.1	86.7	42.2	32.9	26.0	19.2	15.0
22.5°	564.6	522.5	462.6	313.8	178.6	127.9	57.9	37.4	28.3	20.7	15.8
20°	698.2	634.9	587.1	387.9	245.1	175.6	87.6	42.4	30.7	22.2	16.6
17.5°	858.8	724.8	636.3	461.0	311.6	223.8	122.6	47.7	33.2	23.5	17.4
15°	1110.4	784.6	679.8	525.4	369.3	272.0	161.7	53.1	35.7	24.7	18.1
12.5°	1339.5	840.1	722.8	581.4	419.0	319.8	203.5	58.7	38.2	25.9	18.7
10°	1553.9	891.2	764.5	629.2	461.5	366.7	246.6	64.2	40.6	27.0	19.3
7.5°	1748.3	937.7	804.3	669.5	494.2	396.6	273.3	69.5	42.8	28.0	19.7
5°	1894.6	971.9	834.1	687.6	502.5	406.9	293.4	74.6	44.8	29.0	20.2
2.5°	1908.5	989.2	856.5	697.5	508.1	413.9	308.6	79.2	46.5	29.7	20.5
0°	1880.3	1001.0	874.5	701.5	510.9	418.0	318.7	83.3	48.0	30.4	20.8
-2.5°	1853.4	1001.4	876.1	713.9	534.0	430.2	329.9	107.1	63.4	39.0	24.8
-5°	1793.0	997.4	873.1	721.5	553.5	440.0	336.7	129.8	78.1	47.3	28.6
-7.5°	1690.5	978.3	860.7	723.6	568.8	447.5	339.9	150.8	91.8	55.0	32.2
-10°	1554.0	948.3	836.3	712.3	576.0	457.1	341.1	169.6	104.2	61.9	35.3
-12.5°	1387.0	915.2	811.6	701.1	580.5	468.6	344.3	185.5	115.0	67.8	38.0
-15°	1191.0	879.2	787.6	691.4	583.7	477.9	344.3	198.5	124.8	73.5	40.2
-17.5°	974.2	840.8	765.4	684.6	586.1	484.9	341.4	208.5	132.7	79.0	42.7
-20°	928.9	822.9	746.9	681.9	588.2	489.8	335.9	215.4	138.7	83.1	45.1



REPORT NUMBER: P731690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	914.0	824.8	752.9	679.7	590.1	492.6	328.1	218.8	142.6	85.5	46.5
-25°	896.4	828.4	761.9	679.3	589.8	478.8	324.4	218.6	144.2	86.3	46.8
-27.5°	893.2	834.3	770.1	672.7	579.6	462.9	322.9	219.7	144.1	85.3	45.9
-30°	899.0	841.1	761.9	659.3	564.9	436.8	316.7	217.9	142.7	83.7	43.8
-32.5°	901.1	847.4	742.4	639.7	537.0	409.5	302.1	213.0	138.8	81.2	42.6
-35°	897.7	825.6	715.3	614.8	504.0	387.8	285.1	204.8	132.2	76.9	41.3
-37.5°	890.0	786.6	682.9	582.0	470.3	362.9	269.7	191.8	123.0	70.7	39.2
-40°	845.6	745.4	645.5	544.7	438.4	334.7	251.3	176.6	113.5	62.6	36.2
-42.5°	798.9	700.8	602.8	506.3	404.3	311.1	230.1	158.6	101.1	56.5	32.4
-45°	746.4	651.1	555.6	460.8	368.0	284.2	206.9	138.6	86.8	51.2	29.3
-47.5°	688.8	595.4	501.8	410.5	333.7	254.0	180.4	120.2	70.9	44.7	28.1
-50°	624.2	532.4	441.4	363.7	293.3	220.5	152.4	99.9	61.9	37.0	26.7
-52.5°	552.5	460.7	384.8	317.0	248.9	183.3	126.8	78.7	51.9	33.1	25.1
-55°	470.6	395.9	331.4	265.0	201.0	148.9	99.0	66.0	41.1	30.9	23.3
-57.5°	400.1	335.7	270.6	208.2	157.2	113.3	78.0	52.2	36.3	28.4	22.1
-60°	327.4	263.7	203.9	157.7	116.0	84.0	60.9	41.1	33.1	26.0	20.8
-62.5°	243.0	190.1	149.3	110.5	83.4	62.9	45.2	37.2	29.8	24.4	19.4
-65°	168.4	131.0	97.3	78.2	59.4	45.3	40.1	33.0	27.6	22.8	18.2
-67.5°	101.5	84.9	68.1	51.3	44.3	39.7	34.7	30.2	25.7	21.1	17.5
-70°	67.8	53.2	46.1	42.3	38.3	34.3	31.5	28.0	23.7	19.9	16.7
-72.5°	46.2	42.8	39.5	36.1	33.2	30.7	28.5	25.7	22.0	18.7	15.8
-75°	38.2	35.8	33.5	31.1	28.9	27.0	25.6	23.5	20.2	17.3	14.6
-77.5°	31.8	29.8	27.8	26.3	25.1	23.9	22.7	21.1	18.4	15.9	13.3
-80°	26.0	24.8	23.7	22.6	21.7	20.8	20.0	19.1	16.7	14.4	12.0
-82.5°	21.0	20.4	20.0	19.4	18.9	18.4	17.8	17.2	15.0	12.8	10.9
-85°	17.7	17.4	17.0	16.7	16.4	16.0	15.6	15.2	13.4	11.7	10.2
-87.5°	14.8	14.6	14.3	14.0	13.8	13.6	13.4	13.2	11.9	10.7	9.5
-90°	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.2	3.2	3.2



REPORT NUMBER: P731690 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.0	7.2	6.4	5.6	4.8	4.8	4.8
87.5°	3.6	3.9	4.1	4.5	4.8	4.8	4.8
85°	4.0	4.1	4.3	4.5	4.8	4.9	4.8
82.5°	4.4	4.4	4.4	4.6	4.8	4.9	4.8
80°	4.8	4.6	4.6	4.6	4.8	4.9	4.8
77.5°	5.3	4.9	4.7	4.7	4.8	5.0	4.8
75°	5.7	5.3	4.8	4.7	4.8	5.0	4.8
72.5°	6.1	5.6	5.1	4.8	4.8	5.1	4.8
70°	6.4	5.9	5.4	4.8	4.9	5.1	4.8
67.5°	6.4	6.2	5.6	5.0	4.9	5.1	4.8
65°	6.5	6.5	5.9	5.2	4.9	5.2	4.8
62.5°	6.6	6.6	6.1	5.4	5.0	5.2	4.8
60°	6.7	6.7	6.4	5.6	5.0	5.3	4.8
57.5°	7.1	6.9	6.5	5.8	5.2	5.3	4.8
55°	7.5	7.0	6.7	5.9	5.3	5.3	4.8
52.5°	7.9	7.2	6.9	6.1	5.5	5.4	4.8
50°	8.3	7.6	7.1	6.3	5.6	5.4	4.8
47.5°	8.7	7.9	7.2	6.4	5.8	5.5	4.8
45°	9.2	8.2	7.4	6.6	5.9	5.5	4.8
42.5°	9.7	8.5	7.6	6.7	6.1	5.6	4.8
40°	10.2	8.8	7.9	6.9	6.2	5.6	4.8
37.5°	10.8	9.1	8.1	7.1	6.4	5.7	4.8
35°	11.3	9.5	8.3	7.3	6.5	5.7	4.8
32.5°	11.8	9.9	8.5	7.6	6.6	5.8	4.8
30°	12.2	10.3	8.7	7.7	6.8	5.8	4.8
27.5°	12.6	10.8	9.0	7.9	6.9	5.9	4.8
25°	13.0	11.2	9.2	8.1	7.0	5.9	4.8
22.5°	13.4	11.6	9.5	8.3	7.1	6.0	4.8
20°	13.7	11.9	9.7	8.5	7.3	6.0	4.8
17.5°	14.0	12.1	9.9	8.7	7.4	6.1	4.8
15°	14.3	12.3	10.1	8.8	7.5	6.1	4.8
12.5°	14.6	12.5	10.3	9.0	7.6	6.2	4.8
10°	14.9	12.6	10.5	9.1	7.7	6.2	4.8
7.5°	15.2	12.7	10.7	9.2	7.8	6.3	4.8
5°	15.5	12.8	10.9	9.4	7.8	6.3	4.8
2.5°	15.8	12.8	11.1	9.5	7.9	6.4	4.8
0°	16.0	12.8	11.2	9.6	8.0	6.4	4.8
-2.5°	17.5	13.5	11.5	9.7	8.1	6.4	4.8
-5°	18.9	14.2	11.7	9.8	8.1	6.5	4.8
-7.5°	20.2	14.8	12.0	9.9	8.2	6.5	4.8
-10°	21.4	15.4	12.2	9.9	8.2	6.5	4.8
-12.5°	22.5	15.9	12.4	10.0	8.3	6.5	4.8
-15°	23.4	16.4	12.5	10.1	8.3	6.5	4.8
-17.5°	24.2	16.7	12.7	10.1	8.3	6.6	4.8
-20°	24.9	17.0	12.8	10.1	8.4	6.6	4.8



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.8	17.2	12.8	10.2	8.4	6.6	4.8
-25°	26.2	17.3	12.8	10.2	8.4	6.6	4.8
-27.5°	26.2	17.4	12.8	10.2	8.4	6.5	4.8
-30°	25.6	17.4	12.7	10.2	8.4	6.5	4.8
-32.5°	24.5	17.3	12.7	10.1	8.4	6.5	4.8
-35°	23.9	17.1	12.6	10.1	8.3	6.5	4.8
-37.5°	23.6	16.8	12.5	10.1	8.3	6.5	4.8
-40°	23.1	16.6	12.4	10.0	8.3	6.4	4.8
-42.5°	22.4	16.4	12.2	10.0	8.2	6.4	4.8
-45°	21.5	16.0	12.2	9.9	8.2	6.3	4.8
-47.5°	20.5	15.6	12.1	9.9	8.1	6.3	4.8
-50°	19.8	15.1	12.0	9.8	8.1	6.2	4.8
-52.5°	19.1	14.5	11.9	9.7	8.0	6.2	4.8
-55°	18.2	14.2	11.8	9.6	7.9	6.1	4.8
-57.5°	17.3	14.0	11.6	9.4	7.9	6.0	4.8
-60°	16.3	13.6	11.3	9.3	7.8	5.9	4.8
-62.5°	15.8	13.3	11.0	9.1	7.6	5.9	4.8
-65°	15.3	12.9	10.6	8.9	7.4	5.8	4.8
-67.5°	14.7	12.4	10.2	8.6	7.2	5.7	4.8
-70°	14.1	11.7	9.8	8.4	6.9	5.6	4.8
-72.5°	13.1	11.0	9.3	8.1	6.7	5.5	4.8
-75°	12.0	10.2	8.8	7.7	6.4	5.4	4.8
-77.5°	10.9	9.4	8.4	7.4	6.2	5.3	4.8
-80°	9.7	8.9	8.0	7.0	5.9	5.2	4.8
-82.5°	9.2	8.5	7.6	6.7	5.6	5.1	4.8
-85°	8.8	8.1	7.2	6.3	5.4	5.0	4.8
-87.5°	8.4	7.6	6.8	6.0	5.1	4.9	4.8
-90°	3.2	3.6	4.0	4.4	4.8	4.8	4.8

(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

