

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: P731548 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-1S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731548 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-1S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

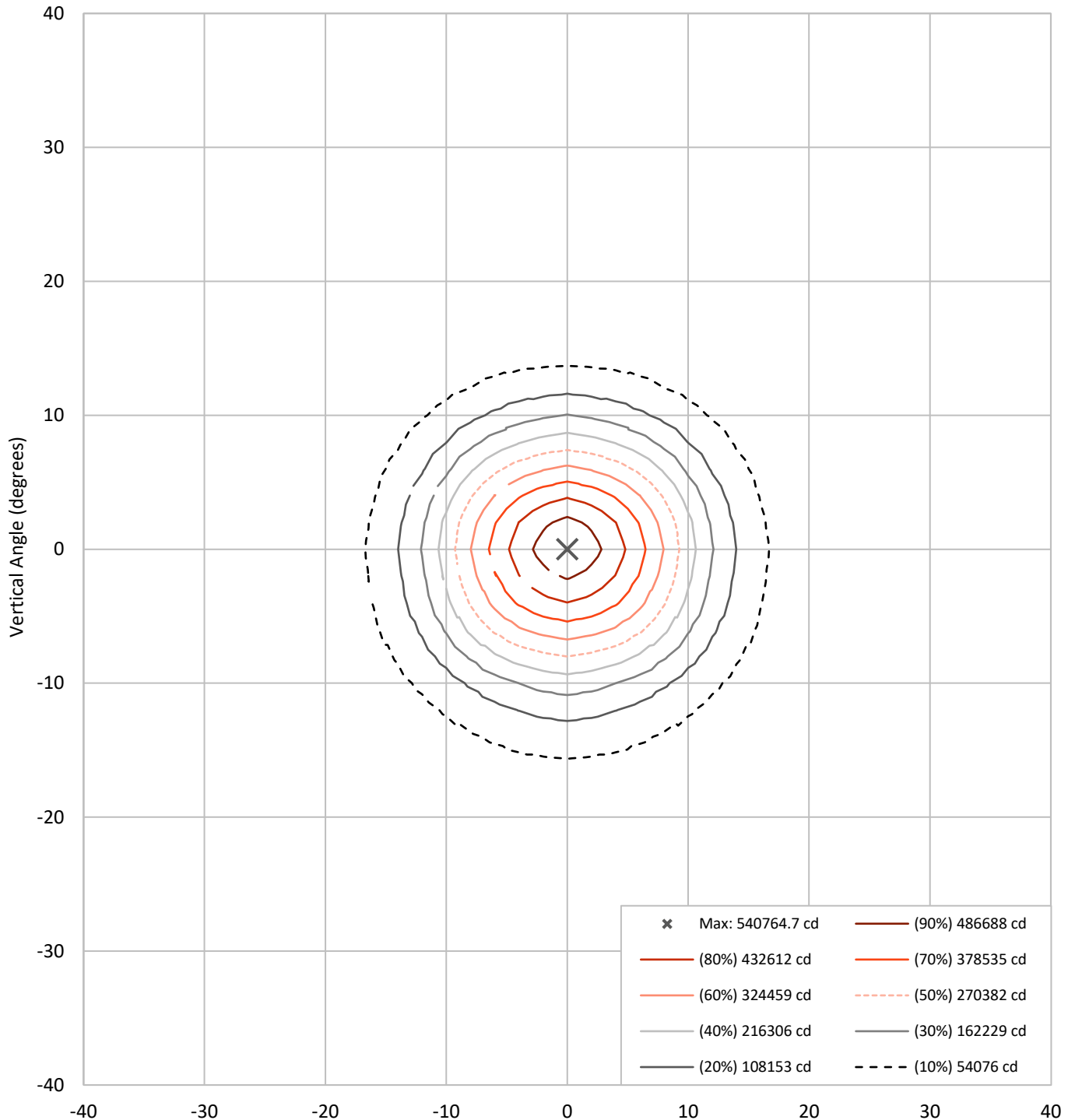
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	55595.8 lumens	Max Intensity:	540764.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	25640.1 lumens	Field Lumens:	47303.3 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

Input Watts (W): 577.1
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





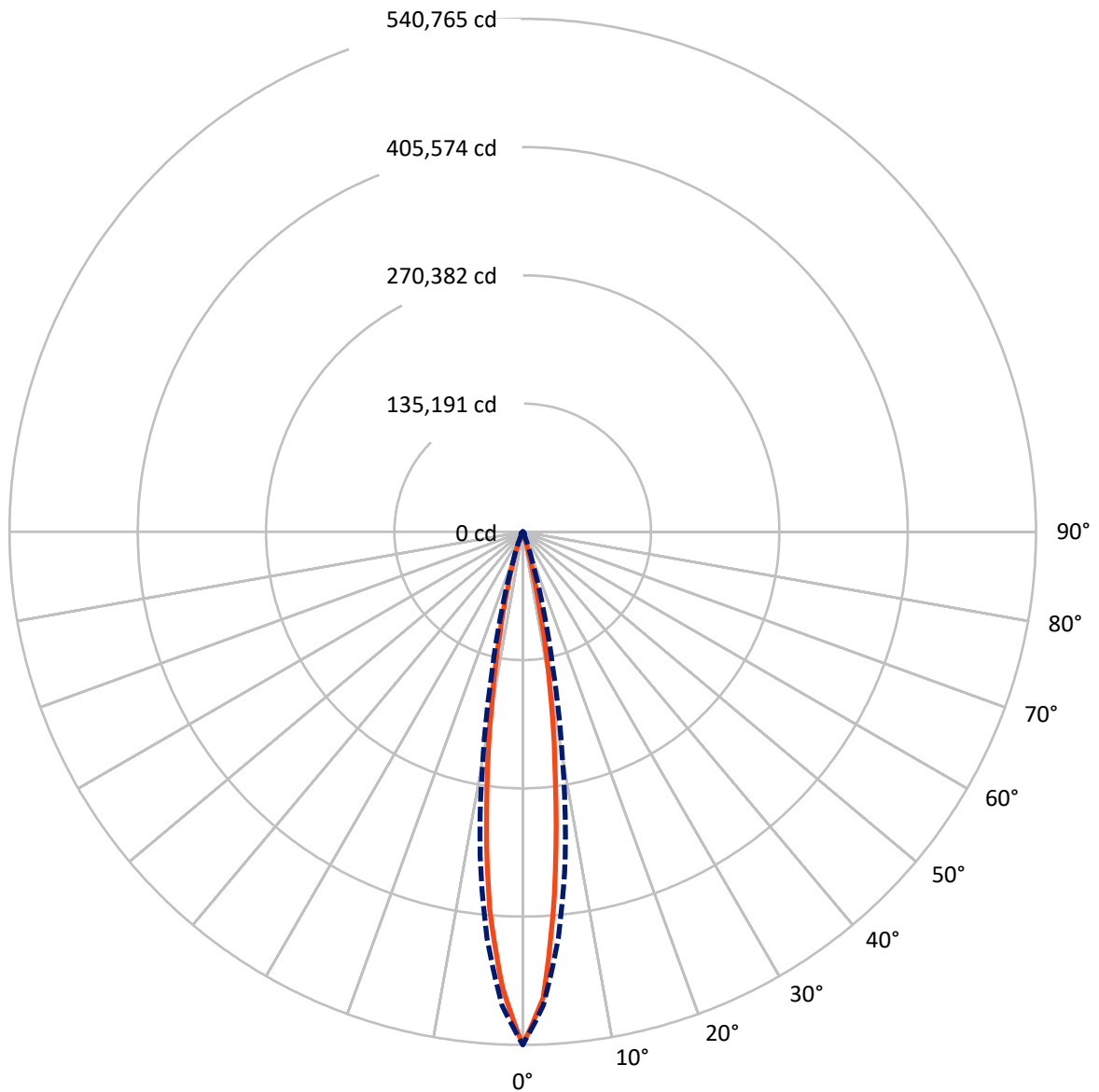
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Lumen Table

90	0.1	0.4	0.6	0.7	0.8	0.7	0.6	0.4	0.1									
80	0.1	0.4	0.6	0.7	0.8	0.7	0.6	0.4	0.1									
70	0.2	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	0.2		
60		0.1	0.4	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.4	0.1			
50	0.3	0.2	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.2	0.3		
40		0.3	0.6	0.8	1.5	2.0	2.2	2.5	2.5	2.2	2.0	1.5	0.8	0.6	0.3			
30	0.4	0.5	1.4	3.3	6.2	7.0	10.0	20.2	20.2	10.0	7.0	6.2	3.3	1.4	0.5	0.4		
20		1.1	4.5	15.2	28.3	37.6	278.7	1160.9	1160.9	278.7	37.6	28.3	15.2	4.5	1.1			
10	0.4	1.8	8.9	38.2	61.8	140.6	2045.0	8861.5	8861.5	2045.0	140.6	61.8	38.2	8.9	1.8	0.4		
0		2.3	10.4	44.0	72.4	144.0	2194.8	9262.3	9262.3	2194.8	144.0	72.4	44.0	10.4	2.3			
-10	0.5	2.4	9.1	33.2	59.8	65.9	468.1	1818.1	1818.1	468.1	65.9	59.8	33.2	9.1	2.4	0.5		
-20		2.3	7.9	18.6	48.2	55.7	61.5	119.7	119.7	61.5	55.7	48.2	18.6	7.9	2.3			
-30	0.4	2.0	6.7	11.8	29.5	55.7	65.1	65.7	65.7	65.1	55.7	29.5	11.8	6.7	2.0	0.4		
-40		1.4	5.0	10.2	16.0	28.1	47.4	62.3	62.3	47.4	28.1	16.0	10.2	5.0	1.4			
-50	0.3	0.7	2.8	6.7	12.0	16.5	19.5	21.7	21.7	19.5	16.5	12.0	6.7	2.8	0.7	0.3		
-60		0.3	0.9	2.7	5.3	8.3	10.9	12.9	12.9	10.9	8.3	5.3	2.7	0.9	0.3			
-70	0.2	0.9	2.4	5.8	9.8	5.8	2.4	0.9	0.2							0.2		
-80		0.2	0.9	2.4	5.8	9.8	5.8	2.4	0.9	0.2								
-90	0.2	0.9	2.4	5.8	9.8	5.8	2.4	0.9	0.2									

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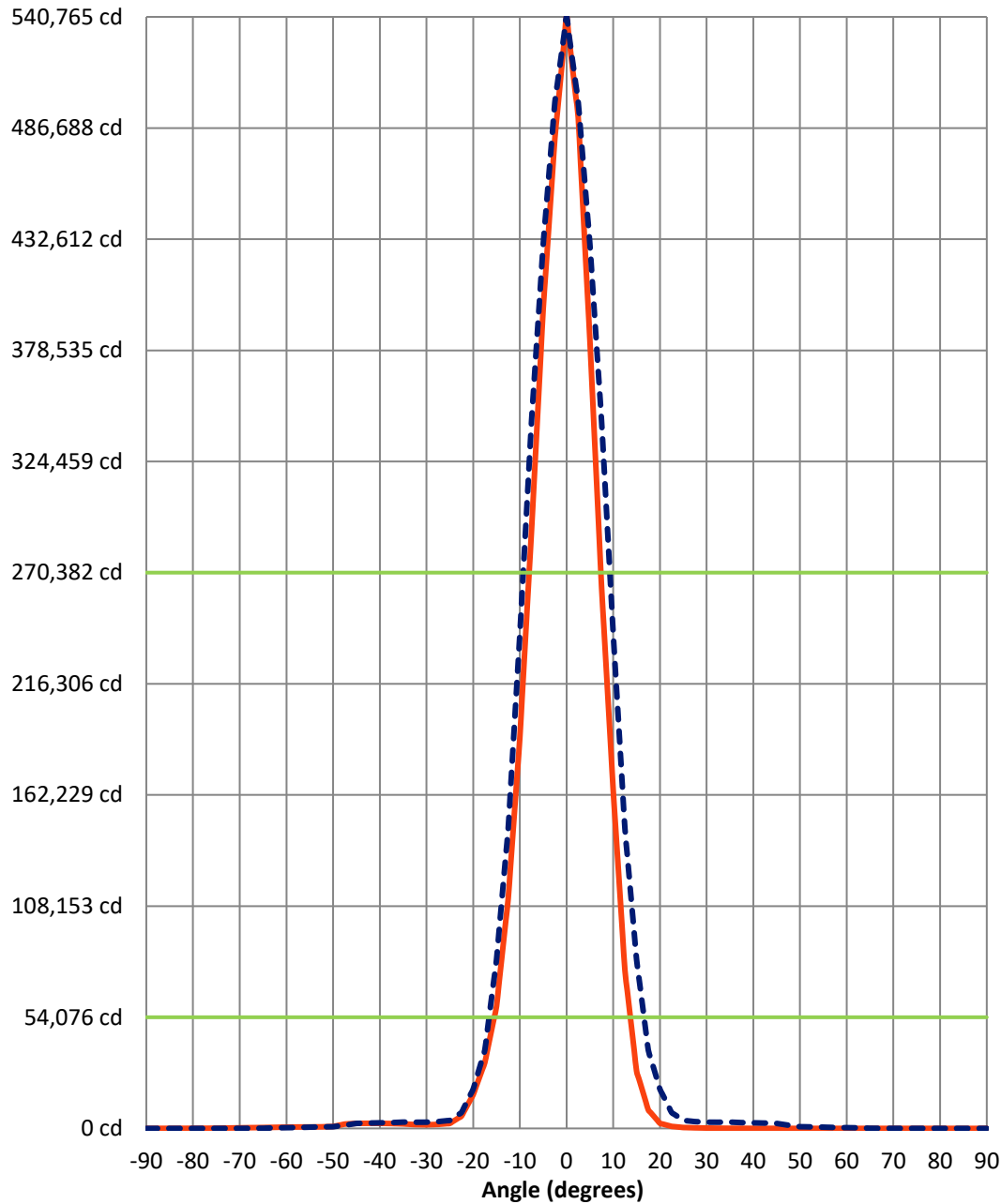
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.6°
 V Angle: 15.4°
 Lumens: 25640.1
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 29.1°
 Lumens: 47303.3
 Efficiency: 85.1%

Spill:
 Lumens: 8292.5
 Efficiency: 14.9%

- 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°	6.9	6.9	6.9	7.3	7.6	8.0	8.3	8.3	8.3	8.3	8.3
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	7.0	6.9	6.9	6.9	6.9	6.9
75°	6.9	6.9	6.9	6.9	6.9	7.1	7.0	6.9	6.9	7.0	7.0
72.5°	6.9	6.9	6.9	6.9	7.2	7.3	7.0	7.0	7.2	7.2	7.0
70°	6.9	6.9	6.9	7.0	7.4	7.5	7.2	7.3	7.5	7.4	7.5
67.5°	6.9	6.9	6.9	7.2	7.7	7.7	7.6	7.7	7.8	8.0	8.1
65°	6.9	6.9	6.9	7.5	8.0	8.0	8.0	8.1	8.3	8.5	8.6
62.5°	6.9	6.9	6.9	7.8	8.3	8.4	8.4	8.5	8.7	9.0	8.8
60°	6.9	6.9	6.9	8.0	8.6	8.7	8.8	8.9	9.2	9.3	9.1
57.5°	6.9	6.9	7.1	8.3	8.9	9.0	9.2	9.3	9.6	9.6	9.6
55°	6.9	6.9	7.3	8.6	9.1	9.4	9.7	9.8	10.0	10.1	10.2
52.5°	6.9	6.9	7.4	8.9	9.4	9.7	10.2	10.4	10.5	10.7	10.9
50°	6.9	6.9	7.6	9.2	9.7	10.2	10.7	11.0	11.0	11.3	12.5
47.5°	6.9	6.9	7.7	9.5	9.9	10.6	11.3	11.7	11.5	11.8	14.2
45°	6.9	6.9	7.9	9.7	10.2	11.1	12.0	12.5	12.3	13.2	15.8
42.5°	6.9	6.9	8.0	9.9	10.4	11.6	12.7	13.3	13.3	14.5	17.5
40°	6.9	6.9	8.1	10.0	10.8	12.1	13.4	14.2	14.5	15.8	18.9
37.5°	6.9	6.9	8.2	10.0	11.1	12.6	14.2	15.2	16.0	17.6	20.1
35°	6.9	6.9	8.3	10.1	11.5	13.2	15.0	16.2	17.6	19.6	20.9
32.5°	6.9	6.9	8.3	10.1	11.9	13.8	15.8	17.2	19.1	21.8	23.2
30°	6.9	6.9	8.4	10.1	12.3	14.4	16.7	18.4	20.6	24.1	25.8
27.5°	6.9	6.9	8.4	10.1	12.4	15.1	17.6	19.6	22.2	26.5	28.8
25°	6.9	6.9	8.5	10.1	12.4	15.8	18.5	20.9	24.2	29.0	32.0
22.5°	6.9	6.9	8.5	10.1	12.4	16.2	19.4	22.0	26.3	31.6	36.9
20°	6.9	6.9	8.5	10.1	12.4	16.2	20.3	23.2	28.3	34.4	42.2
17.5°	6.9	6.9	8.5	10.0	12.3	16.0	20.4	24.3	30.4	37.2	47.7
15°	6.9	6.9	8.5	10.0	12.2	15.9	20.1	24.8	32.5	40.1	53.5
12.5°	6.9	6.9	8.5	10.0	12.0	15.6	19.6	24.4	33.5	43.0	59.3
10°	6.9	6.9	8.5	9.9	11.9	15.3	19.1	24.1	33.4	44.3	64.9
7.5°	6.9	6.9	8.4	9.8	11.7	15.0	18.5	23.6	33.2	45.4	70.0
5°	6.9	6.9	8.4	9.8	11.5	14.6	17.9	23.2	32.8	46.5	75.0
2.5°	6.9	6.9	8.4	9.7	11.2	14.2	17.2	22.6	32.3	47.4	79.7
0°	6.9	6.9	8.3	9.6	11.0	13.8	16.5	22.0	31.6	48.1	83.9
-2.5°	6.9	6.9	8.3	9.6	11.1	13.9	17.2	24.3	37.3	57.6	97.0
-5°	6.9	7.0	8.3	9.6	11.2	14.0	17.9	26.5	42.6	66.6	109.1
-7.5°	6.9	7.0	8.3	9.6	11.3	14.1	18.5	28.5	47.5	75.0	120.2
-10°	6.9	7.0	8.3	9.5	11.4	14.2	19.0	30.2	51.8	82.4	130.0
-12.5°	6.9	7.0	8.2	9.5	11.4	14.2	19.4	31.6	55.3	89.1	139.2
-15°	6.9	7.1	8.2	9.5	11.4	14.2	19.6	32.5	58.9	95.9	147.3
-17.5°	6.9	7.1	8.2	9.4	11.4	14.2	19.7	34.1	62.7	101.5	153.6
-20°	6.9	7.1	8.2	9.4	11.4	14.1	20.0	35.9	65.4	106.0	158.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.9	7.1	8.2	9.3	11.3	14.0	20.5	36.8	67.0	109.1	160.3
-25°	6.9	7.2	8.1	9.2	11.2	14.1	20.8	37.0	67.4	110.8	160.5
-27.5°	6.9	7.2	8.1	9.2	11.1	14.3	20.6	36.2	66.5	111.1	161.8
-30°	6.9	7.2	8.1	9.1	10.9	14.4	20.1	34.5	65.2	109.8	161.4
-32.5°	6.9	7.2	8.1	9.0	10.9	14.3	19.2	33.5	63.2	106.7	159.1
-35°	6.9	7.2	8.1	8.9	10.8	14.3	18.8	32.4	59.8	101.7	154.8
-37.5°	6.9	7.2	8.1	8.8	10.7	14.1	18.6	30.6	54.9	94.9	143.2
-40°	6.9	7.2	8.1	8.7	10.6	14.0	18.4	28.2	48.6	87.6	129.7
-42.5°	6.9	7.2	8.1	8.6	10.5	13.8	18.0	25.2	43.9	76.8	114.8
-45°	6.9	7.3	8.1	8.6	10.5	13.5	17.5	22.9	39.7	64.8	99.0
-47.5°	6.9	7.2	8.1	8.6	10.4	13.2	16.8	22.1	34.6	52.1	84.6
-50°	6.9	7.2	8.1	8.6	10.3	12.8	16.3	21.2	28.3	44.8	69.1
-52.5°	6.9	7.2	8.1	8.6	10.2	12.4	15.8	20.0	25.1	37.1	53.6
-55°	6.9	7.2	8.1	8.7	10.1	12.2	15.2	18.8	23.3	29.0	44.4
-57.5°	6.9	7.2	8.1	8.7	10.0	12.0	14.6	18.1	21.5	25.6	34.8
-60°	6.9	7.2	8.1	8.7	9.8	11.7	14.0	17.1	19.7	23.4	27.2
-62.5°	6.9	7.2	8.0	8.7	9.7	11.4	13.6	16.1	18.6	21.2	24.8
-65°	6.9	7.2	8.0	8.7	9.6	11.1	13.1	15.1	17.4	19.7	22.2
-67.5°	6.9	7.1	7.9	8.6	9.5	10.8	12.6	14.5	16.1	18.3	20.4
-70°	6.9	7.1	7.8	8.6	9.3	10.5	12.1	13.8	15.3	16.9	18.9
-72.5°	6.9	7.1	7.7	8.4	9.1	10.2	11.6	13.1	14.5	15.9	17.4
-75°	6.9	7.1	7.6	8.3	8.9	9.8	11.0	12.3	13.7	15.0	16.3
-77.5°	6.9	7.0	7.5	8.1	8.7	9.4	10.3	11.4	12.6	13.9	15.2
-80°	6.9	7.0	7.4	7.9	8.5	9.1	9.7	10.5	11.5	12.6	13.7
-82.5°	6.9	7.0	7.3	7.8	8.3	8.8	9.3	9.8	10.4	11.2	12.1
-85°	6.9	7.0	7.1	7.6	8.1	8.5	9.0	9.3	9.7	10.1	10.6
-87.5°	6.9	6.9	7.0	7.4	7.8	8.2	8.6	8.8	9.0	9.2	9.4
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9



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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°	8.3	8.3	8.3	8.3	8.6	9.0	9.3	9.6	9.6	9.6	9.6
87.5°	6.6	6.2	5.9	5.5	5.2	4.8	4.5	4.1	4.1	4.1	4.1
85°	6.6	6.2	5.9	5.5	5.2	5.0	4.8	4.7	4.6	4.5	4.3
82.5°	6.6	6.2	5.9	5.5	5.4	5.5	5.5	5.5	5.2	4.8	4.5
80°	6.6	6.3	6.0	5.9	6.0	5.9	5.8	5.6	5.2	4.9	4.7
77.5°	6.7	6.6	6.6	6.7	6.6	6.4	6.3	6.3	6.2	6.0	5.9
75°	6.8	6.9	7.0	7.0	6.8	6.8	6.9	6.9	6.8	6.7	6.7
72.5°	7.1	7.3	7.3	7.1	6.9	6.9	6.9	6.9	7.7	9.0	10.0
70°	7.7	7.8	7.5	7.1	6.9	7.3	8.9	10.7	12.6	14.5	16.9
67.5°	8.2	7.9	7.5	7.4	8.5	10.3	12.4	17.5	23.5	26.1	27.2
65°	8.3	7.9	8.3	9.3	10.8	14.5	20.0	27.1	34.7	36.1	35.3
62.5°	8.4	8.6	9.6	11.5	14.5	19.4	26.4	34.3	43.1	43.2	37.7
60°	8.9	9.5	11.6	14.7	18.2	23.6	31.7	37.8	44.2	46.8	35.7
57.5°	9.6	11.1	14.3	18.1	22.5	26.4	30.9	36.8	39.4	39.3	29.0
55°	10.9	13.3	17.3	22.1	25.3	24.5	27.5	29.5	30.0	27.9	20.2
52.5°	13.0	15.9	20.9	25.0	25.7	23.2	21.5	22.5	21.2	18.1	15.8
50°	15.1	19.2	24.2	26.8	25.4	20.8	17.2	17.3	16.3	15.0	13.4
47.5°	17.5	22.1	26.9	28.1	23.3	19.8	16.6	15.4	14.7	14.1	12.9
45°	19.7	24.2	29.3	26.2	22.6	20.5	18.0	15.1	15.1	14.7	14.7
42.5°	21.6	25.9	28.0	24.6	24.1	22.6	20.4	17.7	16.6	17.2	17.6
40°	22.8	27.1	26.9	26.9	26.4	25.5	24.0	21.9	19.6	21.1	21.9
37.5°	23.6	26.9	27.7	30.7	29.7	29.4	28.4	28.7	27.1	26.3	29.5
35°	24.1	27.6	32.3	35.9	35.4	34.1	36.0	37.1	36.5	35.4	40.6
32.5°	24.9	29.0	38.1	41.9	43.3	42.5	44.8	46.9	49.2	51.9	60.2
30°	27.5	34.3	44.7	48.9	53.1	58.1	56.9	58.6	64.7	84.3	102.5
27.5°	32.8	41.2	51.2	58.1	65.7	77.2	79.7	76.7	95.4	126.6	159.1
25°	38.8	62.0	58.4	68.9	84.3	100.1	108.7	115.4	141.1	186.6	220.6
22.5°	50.6	89.5	89.0	80.9	105.3	126.6	147.3	192.9	257.7	278.4	285.2
20°	70.8	117.0	125.7	128.4	136.7	156.3	191.3	298.6	428.1	476.8	424.7
17.5°	94.6	147.1	166.1	187.0	212.5	218.3	248.2	425.7	640.1	713.5	713.7
15°	121.1	179.3	209.1	251.4	293.4	319.9	418.8	633.3	869.6	985.8	1052.1
12.5°	149.6	213.0	254.0	320.2	378.2	424.8	640.7	982.8	1202.5	1303.9	1497.4
10°	178.9	247.8	300.1	392.0	465.8	531.8	890.1	1355.6	1569.6	1668.9	1890.0
7.5°	208.2	280.2	345.1	465.1	554.7	639.5	1155.7	1740.8	1923.9	2012.4	2192.5
5°	236.3	309.0	380.7	520.6	625.0	727.8	1396.6	2124.6	2267.1	2338.6	2440.2
2.5°	262.2	336.2	414.9	570.5	681.5	783.5	1501.4	2293.0	2449.5	2556.6	2643.2
0°	284.7	361.8	447.1	616.3	734.6	835.0	1577.8	2432.0	2597.1	2725.0	2829.6
-2.5°	285.8	367.1	457.7	614.4	722.8	826.7	1504.8	2400.6	2647.8	2839.7	2996.4
-5°	283.1	370.3	465.4	608.4	708.1	814.4	1408.8	2325.2	2658.1	2862.5	3022.6
-7.5°	277.5	371.1	469.9	597.7	686.4	783.0	1324.8	2171.2	2537.9	2713.0	2883.0
-10°	270.1	369.0	463.2	572.9	655.1	739.8	1218.1	1992.2	2414.8	2565.1	2723.0
-12.5°	263.7	364.7	453.2	548.4	623.4	695.5	1078.4	1795.3	2292.7	2423.7	2549.7
-15°	256.2	359.0	442.0	525.5	592.0	650.8	904.0	1586.9	2173.4	2320.5	2417.9
-17.5°	248.1	352.1	429.9	505.4	561.5	606.5	697.6	1336.5	1974.7	2198.9	2313.0
-20°	240.1	344.2	417.1	489.3	532.9	575.2	636.2	1081.4	1665.0	2052.2	2197.9



REPORT NUMBER: P731548 (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°	232.6	335.4	404.6	472.7	517.5	555.1	603.9	833.2	1337.8	1886.4	2062.0
-25°	229.9	321.9	392.4	456.7	506.2	536.1	570.7	624.6	1035.6	1557.0	1909.3
-27.5°	229.1	310.6	378.1	439.7	497.2	519.8	546.4	587.5	798.0	1219.1	1721.1
-30°	225.5	294.5	362.3	422.0	479.9	510.7	527.4	560.0	616.4	939.9	1351.6
-32.5°	215.1	277.2	343.4	403.1	459.4	505.3	518.1	545.5	587.1	679.6	1013.7
-35°	202.0	261.0	322.9	382.8	438.4	489.4	518.0	534.2	562.0	606.1	756.2
-37.5°	189.7	243.6	301.8	360.5	414.8	466.5	516.3	530.6	549.3	580.8	638.0
-40°	175.4	225.0	281.1	336.8	389.3	440.4	489.5	531.2	542.4	574.2	614.2
-42.5°	159.1	207.0	259.6	311.7	360.8	411.0	460.4	507.0	550.7	572.5	603.4
-45°	141.1	186.8	237.0	283.6	329.5	378.5	426.7	475.2	531.6	582.3	603.0
-47.5°	121.7	164.6	211.5	253.4	296.2	341.6	389.8	440.9	497.7	553.9	611.9
-50°	101.7	141.3	182.1	221.8	261.0	302.7	347.1	400.9	455.1	511.2	567.5
-52.5°	83.3	116.5	153.1	189.6	225.7	262.2	304.8	353.5	405.7	459.5	509.5
-55°	63.9	93.5	123.2	156.9	190.7	223.2	260.9	304.8	350.1	399.7	444.9
-57.5°	49.7	70.3	96.0	123.4	154.7	186.2	220.4	255.5	295.8	337.5	374.9
-60°	38.4	51.8	70.3	93.5	117.4	147.3	179.5	211.5	243.9	274.6	306.5
-62.5°	28.3	38.9	50.6	65.5	86.2	108.4	135.9	165.2	194.8	220.8	244.1
-65°	25.5	28.4	36.6	47.0	56.8	76.3	97.0	117.8	143.2	166.0	187.2
-67.5°	22.6	25.3	27.9	32.0	41.2	51.4	61.9	80.1	98.2	114.0	129.8
-70°	20.7	22.2	24.5	26.8	29.3	33.9	42.9	52.1	61.4	72.5	86.2
-72.5°	18.9	20.3	21.7	23.1	25.3	27.8	30.4	33.1	38.5	45.9	53.5
-75°	17.4	18.4	19.6	20.9	22.2	23.7	25.4	27.6	29.8	31.7	33.4
-77.5°	16.0	16.8	17.6	18.6	19.7	20.8	22.0	23.3	24.6	26.1	27.7
-80°	14.4	15.1	15.6	16.3	17.0	17.8	18.7	19.6	20.3	21.0	21.9
-82.5°	12.6	13.0	13.5	13.9	14.4	14.8	15.2	15.7	16.0	16.3	16.6
-85°	10.8	11.0	11.3	11.6	11.9	12.2	12.4	12.7	12.6	12.5	12.4
-87.5°	9.5	9.6	9.8	9.8	10.1	10.3	10.4	10.6	10.4	10.1	9.9
-90°	6.6	6.2	5.9	5.5	5.2	4.8	4.5	4.1	4.1	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.6	9.6	9.6	9.6	9.6	13.4	17.2	21.0	24.8	34.1	43.3
87.5°	4.1	3.8	3.5	3.1	2.8	2.5	2.1	1.8	1.4	1.4	1.4
85°	4.1	3.8	3.5	3.1	2.8	2.7	2.7	2.7	2.7	2.4	2.1
82.5°	4.1	4.0	3.8	3.8	3.7	3.6	3.3	3.1	2.8	2.5	2.1
80°	4.5	4.5	4.4	4.3	4.1	3.8	3.5	3.2	2.8	2.8	2.8
77.5°	5.7	5.5	5.1	4.7	4.2	4.0	3.9	3.9	3.9	3.7	3.4
75°	6.8	6.7	6.5	6.2	5.6	5.5	5.5	5.4	5.3	5.0	4.7
72.5°	10.9	11.1	10.6	10.2	9.4	9.1	9.1	9.0	8.8	8.6	8.6
70°	18.2	18.5	17.8	16.5	14.4	13.0	12.4	11.7	10.9	11.1	11.8
67.5°	26.3	24.5	22.6	20.3	17.3	15.1	14.1	12.9	11.6	10.9	10.7
65°	31.9	25.3	21.6	19.0	17.4	15.7	14.0	12.3	10.8	9.8	9.3
62.5°	30.5	21.6	17.7	15.9	14.5	13.4	11.6	10.0	8.6	7.7	7.7
60°	26.2	18.0	13.8	12.4	11.0	9.7	8.8	8.0	7.3	7.0	7.4
57.5°	20.4	14.2	10.9	10.4	9.6	8.7	8.2	7.9	7.4	6.9	7.3
55°	14.9	12.5	11.1	10.6	10.3	9.8	9.3	8.7	8.2	7.8	8.1
52.5°	12.9	12.2	12.1	11.9	11.1	10.3	9.6	9.4	9.3	9.1	9.3
50°	12.6	12.5	12.5	12.2	11.5	11.1	10.9	10.8	10.7	10.5	10.6
47.5°	12.9	13.1	13.1	12.5	12.3	12.5	12.4	12.3	12.5	12.7	12.9
45°	14.2	14.6	14.7	14.9	14.5	15.0	15.0	14.9	17.2	17.4	16.4
42.5°	17.2	19.0	20.3	19.9	18.2	21.8	27.1	29.5	27.2	23.6	21.3
40°	24.4	26.8	27.7	29.6	36.8	42.3	37.3	32.1	30.0	31.8	33.3
37.5°	34.2	37.3	46.0	57.1	53.0	43.2	44.3	44.7	43.7	46.6	47.0
35°	50.0	64.3	74.8	71.4	66.4	65.4	67.8	68.6	61.9	65.0	66.0
32.5°	80.2	97.5	98.3	93.9	96.3	96.8	103.5	99.0	93.3	96.2	103.8
30°	115.9	132.9	139.1	131.1	116.6	124.8	131.7	129.6	133.6	145.4	157.8
27.5°	171.5	182.5	192.8	176.9	148.0	160.6	165.5	160.6	188.0	202.7	232.0
25°	237.9	250.4	258.5	245.1	225.1	214.9	230.4	242.2	275.6	308.3	354.1
22.5°	310.2	343.8	353.4	318.6	318.5	318.4	324.4	364.3	409.3	481.4	602.2
20°	394.5	461.3	514.8	479.4	434.1	464.7	502.5	551.4	679.8	1006.4	1377.7
17.5°	693.2	646.3	744.7	747.9	682.7	754.2	890.3	1065.6	1607.4	3273.5	4365.6
15°	1179.5	1130.1	1068.9	1072.1	1136.6	1276.8	1555.3	2525.5	4918.7	8474.6	12149.5
12.5°	1676.1	1602.0	1511.9	1488.0	1628.7	1911.0	3225.3	7217.3	12852.4	18988.9	34730.4
10°	2067.9	2028.4	1945.3	2007.4	2242.3	3071.4	5759.2	12683.1	24311.1	44641.4	69726.8
7.5°	2297.8	2282.7	2305.1	2487.2	2870.3	5053.1	10962.6	21254.7	40416.3	71224.3	116418.0
5°	2528.5	2541.1	2609.0	2859.5	3349.8	6427.5	15472.4	29536.1	58519.9	103805.9	173791.5
2.5°	2784.3	2795.8	2887.1	3202.6	3763.5	6642.4	16545.7	34810.1	74198.2	133542.8	226313.6
0°	3078.6	3012.5	3040.1	3327.6	3906.7	7747.3	19094.6	38172.6	82118.5	145894.9	240516.3
-2.5°	3183.1	3041.8	3016.0	3258.8	3766.4	6865.6	17057.0	35496.9	75424.1	133658.1	224273.8
-5°	3112.2	2919.2	2841.9	3040.5	3522.4	6020.1	14342.2	32299.6	66965.0	114337.9	190040.8
-7.5°	2935.9	2750.9	2637.0	2786.5	3207.2	4960.7	10986.0	24459.4	48742.9	84597.7	135000.6
-10°	2784.6	2607.2	2433.7	2481.6	2773.0	3692.5	6839.3	16021.3	32203.7	57105.8	85829.6
-12.5°	2653.6	2505.0	2245.2	2166.3	2329.6	2761.1	4773.4	10920.0	20599.0	32394.1	52529.0
-15°	2518.1	2396.3	2136.9	2012.0	2070.2	2280.4	2825.5	5245.1	11279.1	19199.0	27873.0
-17.5°	2367.8	2284.2	2128.2	1943.7	1864.8	1949.4	2209.7	2956.8	5012.4	9948.3	15356.7
-20°	2266.0	2219.5	2105.0	1943.0	1841.6	1802.6	1892.9	2121.7	2626.4	4518.3	6848.3



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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°	2138.4	2119.1	2041.8	1995.5	1921.3	1837.5	1758.3	1829.2	1996.8	2254.6	3059.8
-25°	2017.8	2022.4	2027.4	2088.5	2076.6	1959.5	1809.2	1701.7	1758.0	1838.9	2001.9
-27.5°	1884.2	1950.5	2053.5	2168.2	2221.5	2122.5	1945.4	1784.1	1736.1	1688.8	1757.7
-30°	1766.9	1901.9	2012.1	2152.4	2244.4	2214.8	2123.5	2014.8	1897.1	1815.2	1788.3
-32.5°	1464.3	1838.5	1940.4	2053.2	2190.6	2234.2	2223.8	2182.1	2131.7	2074.0	2014.3
-35°	1138.0	1553.4	1895.2	1960.0	2049.9	2179.4	2281.3	2288.4	2281.9	2260.7	2244.7
-37.5°	803.7	1199.1	1559.1	1848.2	1955.9	2042.2	2198.3	2317.7	2385.6	2380.2	2381.8
-40°	667.4	776.3	1138.5	1472.6	1720.3	1951.1	2075.7	2231.9	2356.0	2406.7	2445.2
-42.5°	643.8	686.0	729.4	980.0	1298.8	1578.2	1792.9	1991.2	2166.5	2291.5	2390.8
-45°	627.2	655.9	688.7	730.3	775.2	1024.7	1302.3	1560.4	1729.0	1897.8	2073.9
-47.5°	626.6	633.6	656.8	686.1	714.7	755.2	801.5	864.5	1051.2	1220.6	1399.6
-50°	607.8	636.2	644.0	652.9	671.2	693.5	715.3	738.0	759.3	772.6	790.8
-52.5°	552.6	589.3	623.5	650.2	657.2	663.9	670.2	684.9	699.2	711.0	724.4
-55°	485.8	524.7	562.4	593.2	620.8	646.9	666.5	669.7	674.0	679.1	687.3
-57.5°	413.6	451.3	487.0	519.3	549.6	577.8	598.1	613.2	627.2	640.7	658.0
-60°	339.2	372.5	405.2	436.3	466.2	494.7	513.4	528.7	542.0	555.2	573.1
-62.5°	266.4	291.9	321.4	349.5	375.5	399.9	419.3	435.8	449.4	463.2	479.8
-65°	207.2	226.1	248.0	268.5	287.7	310.3	331.2	348.4	362.2	375.8	390.6
-67.5°	147.8	165.5	185.9	204.9	222.7	240.0	257.6	274.0	289.4	304.9	320.3
-70°	98.8	111.2	126.1	142.3	159.0	174.6	189.6	204.1	217.8	231.6	244.7
-72.5°	61.2	69.0	77.2	88.0	99.3	110.2	120.9	131.6	142.1	154.5	166.8
-75°	34.9	38.1	44.3	50.3	56.0	61.3	65.9	69.8	73.0	80.3	88.3
-77.5°	29.3	30.9	32.5	34.1	35.8	38.0	40.5	43.1	45.7	51.6	58.0
-80°	22.8	23.9	25.0	26.2	27.4	29.1	30.9	32.6	34.2	38.5	43.0
-82.5°	16.9	17.4	17.9	18.3	18.7	20.0	21.4	22.7	24.0	27.6	31.2
-85°	12.3	12.5	12.7	12.8	13.0	14.2	15.3	16.5	17.6	21.1	24.6
-87.5°	9.6	9.6	9.6	9.6	9.6	10.8	12.0	13.1	14.2	17.9	21.7
-90°	4.1	3.8	3.5	3.1	2.8	2.5	2.1	1.8	1.4	1.4	1.4



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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°	52.6	61.9	52.2	42.6	52.2	61.9	52.6	43.3	34.1	24.8	21.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8
85°	1.7	1.4	1.4	1.4	1.4	1.4	1.7	2.1	2.4	2.7	2.7
82.5°	1.8	1.4	2.1	2.8	2.1	1.4	1.8	2.1	2.5	2.8	3.1
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.2
77.5°	3.1	2.8	2.8	2.8	2.8	2.8	3.1	3.4	3.7	3.9	3.9
75°	4.4	4.1	4.1	4.1	4.1	4.1	4.4	4.7	5.0	5.3	5.4
72.5°	8.4	8.2	8.3	8.3	8.3	8.2	8.4	8.6	8.6	8.8	9.0
70°	12.7	13.5	13.8	13.8	13.8	13.5	12.7	11.8	11.1	10.9	11.7
67.5°	10.3	9.8	9.6	9.6	9.6	9.8	10.3	10.7	10.9	11.6	12.9
65°	8.8	8.4	8.3	8.3	8.3	8.4	8.8	9.3	9.8	10.8	12.3
62.5°	7.9	8.2	8.3	8.3	8.3	8.2	7.9	7.7	7.7	8.6	10.0
60°	7.8	8.2	8.3	8.3	8.3	8.2	7.8	7.4	7.0	7.3	8.0
57.5°	7.8	8.2	8.3	8.3	8.3	8.2	7.8	7.3	6.9	7.4	7.9
55°	8.2	8.3	8.8	9.6	8.8	8.3	8.2	8.1	7.8	8.2	8.7
52.5°	9.4	9.5	9.6	9.6	9.6	9.5	9.4	9.3	9.1	9.3	9.4
50°	10.8	10.9	11.0	11.0	11.0	10.9	10.8	10.6	10.5	10.7	10.8
47.5°	13.3	13.6	13.7	13.8	13.7	13.6	13.3	12.9	12.7	12.5	12.3
45°	16.6	16.5	16.4	16.5	16.4	16.5	16.6	16.4	17.4	17.2	14.9
42.5°	22.1	22.8	23.2	23.4	23.2	22.8	22.1	21.3	23.6	27.2	29.5
40°	35.0	35.5	35.2	34.4	35.2	35.5	35.0	33.3	31.8	30.0	32.1
37.5°	47.5	48.5	49.1	49.5	49.1	48.5	47.5	47.0	46.6	43.7	44.7
35°	66.7	67.5	67.0	68.8	67.0	67.5	66.7	66.0	65.0	61.9	68.6
32.5°	108.8	109.3	105.9	107.3	105.9	109.3	108.8	103.8	96.2	93.3	99.0
30°	166.6	174.2	178.8	184.3	178.8	174.2	166.6	157.8	145.4	133.6	129.6
27.5°	253.5	272.2	284.5	291.6	284.5	272.2	253.5	232.0	202.7	188.0	160.6
25°	395.8	424.3	439.6	451.2	439.6	424.3	395.8	354.1	308.3	275.6	242.2
22.5°	768.8	877.6	938.4	995.9	938.4	877.6	768.8	602.2	481.4	409.3	364.3
20°	1971.4	2098.5	2337.7	2485.7	2337.7	2098.5	1971.4	1377.7	1006.4	679.8	551.4
17.5°	6641.1	8466.8	8807.6	9065.1	8807.6	8466.8	6641.1	4365.6	3273.5	1607.4	1065.6
15°	19777.3	25195.9	26654.3	27895.6	26654.3	25195.9	19777.3	12149.5	8474.6	4918.7	2525.5
12.5°	47751.0	62664.5	70776.1	76938.7	70776.1	62664.5	47751.0	34730.4	18988.9	12852.4	7217.3
10°	100045.4	129242.6	151403.3	164237.1	151403.3	129242.6	100045.4	69726.8	44641.4	24311.1	12683.1
7.5°	170373.2	219860.0	248787.9	263512.7	248787.9	219860.0	170373.2	116418.0	71224.3	40416.3	21254.7
5°	256970.7	320853.1	361225.3	383424.9	361225.3	320853.1	256970.7	173791.5	103805.9	58519.9	29536.1
2.5°	320980.9	402935.9	463452.4	491918.3	463452.4	402935.9	320980.9	226313.6	133542.8	74198.2	34810.1
0°	344158.0	430141.2	499321.0	540764.7	499321.0	430141.2	344158.0	240516.3	145894.9	82118.5	38172.6
-2.5°	322032.6	402752.2	456633.8	481707.2	456633.8	402752.2	322032.6	224273.8	133658.1	75424.1	35496.9
-5°	273843.0	343630.9	382351.4	398742.0	382351.4	343630.9	273843.0	190040.8	114337.9	66965.0	32299.6
-7.5°	194286.7	247521.4	274735.9	290880.7	274735.9	247521.4	194286.7	135000.6	84597.7	48742.9	24459.4
-10°	122322.3	152248.7	178281.0	190056.9	178281.0	152248.7	122322.3	85829.6	57105.8	32203.7	16021.3
-12.5°	71038.4	89985.2	105217.1	111687.5	105217.1	89985.2	71038.4	52529.0	32394.1	20599.0	10920.0
-15°	39257.8	49611.7	56624.5	59367.7	56624.5	49611.7	39257.8	27873.0	19199.0	11279.1	5245.1
-17.5°	21830.4	26854.6	28847.9	32044.4	28847.9	26854.6	21830.4	15356.7	9948.3	5012.4	2956.8
-20°	10694.9	13300.1	14135.4	16390.1	14135.4	13300.1	10694.9	6848.3	4518.3	2626.4	2121.7



REPORT NUMBER: P731548 (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°	4154.3	4769.2	4906.2	5975.6	4906.2	4769.2	4154.3	3059.8	2254.6	1996.8	1829.2
-25°	2157.5	2261.1	2309.2	2434.8	2309.2	2261.1	2157.5	2001.9	1838.9	1758.0	1701.7
-27.5°	1813.6	1863.8	1903.9	1964.3	1903.9	1863.8	1813.6	1757.7	1688.8	1736.1	1784.1
-30°	1767.6	1758.7	1759.9	1766.3	1759.9	1758.7	1767.6	1788.3	1815.2	1897.1	2014.8
-32.5°	1966.6	1936.1	1920.9	1863.9	1920.9	1936.1	1966.6	2014.3	2074.0	2131.7	2182.1
-35°	2235.0	2232.5	2234.4	2207.8	2234.4	2232.5	2235.0	2244.7	2260.7	2281.9	2288.4
-37.5°	2382.5	2386.8	2392.1	2383.9	2392.1	2386.8	2382.5	2381.8	2380.2	2385.6	2317.7
-40°	2458.6	2471.0	2479.8	2477.4	2479.8	2471.0	2458.6	2445.2	2406.7	2356.0	2231.9
-42.5°	2440.3	2471.0	2486.1	2491.2	2486.1	2471.0	2440.3	2390.8	2291.5	2166.5	1991.2
-45°	2235.1	2360.4	2435.9	2456.8	2435.9	2360.4	2235.1	2073.9	1897.8	1729.0	1560.4
-47.5°	1601.0	1786.4	1960.3	2112.9	1960.3	1786.4	1601.0	1399.6	1220.6	1051.2	864.5
-50°	813.5	834.5	877.3	939.5	877.3	834.5	813.5	790.8	772.6	759.3	738.0
-52.5°	737.7	749.9	761.8	773.1	761.8	749.9	737.7	724.4	711.0	699.2	684.9
-55°	695.2	702.6	708.2	712.6	708.2	702.6	695.2	687.3	679.1	674.0	669.7
-57.5°	672.9	685.3	695.8	704.3	695.8	685.3	672.9	658.0	640.7	627.2	613.2
-60°	588.9	602.5	615.2	625.9	615.2	602.5	588.9	573.1	555.2	542.0	528.7
-62.5°	494.1	506.0	518.5	529.6	518.5	506.0	494.1	479.8	463.2	449.4	435.8
-65°	403.8	415.4	425.7	434.7	425.7	415.4	403.8	390.6	375.8	362.2	348.4
-67.5°	334.7	347.8	360.9	372.8	360.9	347.8	334.7	320.3	304.9	289.4	274.0
-70°	256.7	267.5	276.8	284.7	276.8	267.5	256.7	244.7	231.6	217.8	204.1
-72.5°	178.0	188.2	199.8	210.5	199.8	188.2	178.0	166.8	154.5	142.1	131.6
-75°	96.0	103.3	110.3	116.9	110.3	103.3	96.0	88.3	80.3	73.0	69.8
-77.5°	64.5	70.8	75.5	79.8	75.5	70.8	64.5	58.0	51.6	45.7	43.1
-80°	47.5	52.0	55.6	59.2	55.6	52.0	47.5	43.0	38.5	34.2	32.6
-82.5°	34.8	38.4	41.2	44.0	41.2	38.4	34.8	31.2	27.6	24.0	22.7
-85°	28.1	31.6	34.3	37.1	34.3	31.6	28.1	24.6	21.1	17.6	16.5
-87.5°	25.3	29.0	31.0	33.0	31.0	29.0	25.3	21.7	17.9	14.2	13.1
-90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17.2	13.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
87.5°	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.1	4.1	4.1	4.1
85°	2.7	2.7	2.8	3.1	3.5	3.8	4.1	4.3	4.5	4.6	4.7
82.5°	3.3	3.6	3.7	3.8	3.8	4.0	4.1	4.5	4.8	5.2	5.5
80°	3.5	3.8	4.1	4.3	4.4	4.5	4.5	4.7	4.9	5.2	5.6
77.5°	3.9	4.0	4.2	4.7	5.1	5.5	5.7	5.9	6.0	6.2	6.3
75°	5.5	5.5	5.6	6.2	6.5	6.7	6.8	6.7	6.7	6.8	6.9
72.5°	9.1	9.1	9.4	10.2	10.6	11.1	10.9	10.0	9.0	7.7	6.9
70°	12.4	13.0	14.4	16.5	17.8	18.5	18.2	16.9	14.5	12.6	10.7
67.5°	14.1	15.1	17.3	20.3	22.6	24.5	26.3	27.2	26.1	23.5	17.5
65°	14.0	15.7	17.4	19.0	21.6	25.3	31.9	35.3	36.1	34.7	27.1
62.5°	11.6	13.4	14.5	15.9	17.7	21.6	30.5	37.7	43.2	43.1	34.3
60°	8.8	9.7	11.0	12.4	13.8	18.0	26.2	35.7	46.8	44.2	37.8
57.5°	8.2	8.7	9.6	10.4	10.9	14.2	20.4	29.0	39.3	39.4	36.8
55°	9.3	9.8	10.3	10.6	11.1	12.5	14.9	20.2	27.9	30.0	29.5
52.5°	9.6	10.3	11.1	11.9	12.1	12.2	12.9	15.8	18.1	21.2	22.5
50°	10.9	11.1	11.5	12.2	12.5	12.5	12.6	13.4	15.0	16.3	17.3
47.5°	12.4	12.5	12.3	12.5	13.1	13.1	12.9	12.9	14.1	14.7	15.4
45°	15.0	15.0	14.5	14.9	14.7	14.6	14.2	14.7	14.7	15.1	15.1
42.5°	27.1	21.8	18.2	19.9	20.3	19.0	17.2	17.6	17.2	16.6	17.7
40°	37.3	42.3	36.8	29.6	27.7	26.8	24.4	21.9	21.1	19.6	21.9
37.5°	44.3	43.2	53.0	57.1	46.0	37.3	34.2	29.5	26.3	27.1	28.7
35°	67.8	65.4	66.4	71.4	74.8	64.3	50.0	40.6	35.4	36.5	37.1
32.5°	103.5	96.8	96.3	93.9	98.3	97.5	80.2	60.2	51.9	49.2	46.9
30°	131.7	124.8	116.6	131.1	139.1	132.9	115.9	102.5	84.3	64.7	58.6
27.5°	165.5	160.6	148.0	176.9	192.8	182.5	171.5	159.1	126.6	95.4	76.7
25°	230.4	214.9	225.1	245.1	258.5	250.4	237.9	220.6	186.6	141.1	115.4
22.5°	324.4	318.4	318.5	318.6	353.4	343.8	310.2	285.2	278.4	257.7	192.9
20°	502.5	464.7	434.1	479.4	514.8	461.3	394.5	424.7	476.8	428.1	298.6
17.5°	890.3	754.2	682.7	747.9	744.7	646.3	693.2	713.7	713.5	640.1	425.7
15°	1555.3	1276.8	1136.6	1072.1	1068.9	1130.1	1179.5	1052.1	985.8	869.6	633.3
12.5°	3225.3	1911.0	1628.7	1488.0	1511.9	1602.0	1676.1	1497.4	1303.9	1202.5	982.8
10°	5759.2	3071.4	2242.3	2007.4	1945.3	2028.4	2067.9	1890.0	1668.9	1569.6	1355.6
7.5°	10962.6	5053.1	2870.3	2487.2	2305.1	2282.7	2297.8	2192.5	2012.4	1923.9	1740.8
5°	15472.4	6427.5	3349.8	2859.5	2609.0	2541.1	2528.5	2440.2	2338.6	2267.1	2124.6
2.5°	16545.7	6642.4	3763.5	3202.6	2887.1	2795.8	2784.3	2643.2	2556.6	2449.5	2293.0
0°	19094.6	7747.3	3906.7	3327.6	3040.1	3012.5	3078.6	2829.6	2725.0	2597.1	2432.0
-2.5°	17057.0	6865.6	3766.4	3258.8	3016.0	3041.8	3183.1	2996.4	2839.7	2647.8	2400.6
-5°	14342.2	6020.1	3522.4	3040.5	2841.9	2919.2	3112.2	3022.6	2862.5	2658.1	2325.2
-7.5°	10986.0	4960.7	3207.2	2786.5	2637.0	2750.9	2935.9	2883.0	2713.0	2537.9	2171.2
-10°	6839.3	3692.5	2773.0	2481.6	2433.7	2607.2	2784.6	2723.0	2565.1	2414.8	1992.2
-12.5°	4773.4	2761.1	2329.6	2166.3	2245.2	2505.0	2653.6	2549.7	2423.7	2292.7	1795.3
-15°	2825.5	2280.4	2070.2	2012.0	2136.9	2396.3	2518.1	2417.9	2320.5	2173.4	1586.9
-17.5°	2209.7	1949.4	1864.8	1943.7	2128.2	2284.2	2367.8	2313.0	2198.9	1974.7	1336.5
-20°	1892.9	1802.6	1841.6	1943.0	2105.0	2219.5	2266.0	2197.9	2052.2	1665.0	1081.4



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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°	1758.3	1837.5	1921.3	1995.5	2041.8	2119.1	2138.4	2062.0	1886.4	1337.8	833.2
-25°	1809.2	1959.5	2076.6	2088.5	2027.4	2022.4	2017.8	1909.3	1557.0	1035.6	624.6
-27.5°	1945.4	2122.5	2221.5	2168.2	2053.5	1950.5	1884.2	1721.1	1219.1	798.0	587.5
-30°	2123.5	2214.8	2244.4	2152.4	2012.1	1901.9	1766.9	1351.6	939.9	616.4	560.0
-32.5°	2223.8	2234.2	2190.6	2053.2	1940.4	1838.5	1464.3	1013.7	679.6	587.1	545.5
-35°	2281.3	2179.4	2049.9	1960.0	1895.2	1553.4	1138.0	756.2	606.1	562.0	534.2
-37.5°	2198.3	2042.2	1955.9	1848.2	1559.1	1199.1	803.7	638.0	580.8	549.3	530.6
-40°	2075.7	1951.1	1720.3	1472.6	1138.5	776.3	667.4	614.2	574.2	542.4	531.2
-42.5°	1792.9	1578.2	1298.8	980.0	729.4	686.0	643.8	603.4	572.5	550.7	507.0
-45°	1302.3	1024.7	775.2	730.3	688.7	655.9	627.2	603.0	582.3	531.6	475.2
-47.5°	801.5	755.2	714.7	686.1	656.8	633.6	626.6	611.9	553.9	497.7	440.9
-50°	715.3	693.5	671.2	652.9	644.0	636.2	607.8	567.5	511.2	455.1	400.9
-52.5°	670.2	663.9	657.2	650.2	623.5	589.3	552.6	509.5	459.5	405.7	353.5
-55°	666.5	646.9	620.8	593.2	562.4	524.7	485.8	444.9	399.7	350.1	304.8
-57.5°	598.1	577.8	549.6	519.3	487.0	451.3	413.6	374.9	337.5	295.8	255.5
-60°	513.4	494.7	466.2	436.3	405.2	372.5	339.2	306.5	274.6	243.9	211.5
-62.5°	419.3	399.9	375.5	349.5	321.4	291.9	266.4	244.1	220.8	194.8	165.2
-65°	331.2	310.3	287.7	268.5	248.0	226.1	207.2	187.2	166.0	143.2	117.8
-67.5°	257.6	240.0	222.7	204.9	185.9	165.5	147.8	129.8	114.0	98.2	80.1
-70°	189.6	174.6	159.0	142.3	126.1	111.2	98.8	86.2	72.5	61.4	52.1
-72.5°	120.9	110.2	99.3	88.0	77.2	69.0	61.2	53.5	45.9	38.5	33.1
-75°	65.9	61.3	56.0	50.3	44.3	38.1	34.9	33.4	31.7	29.8	27.6
-77.5°	40.5	38.0	35.8	34.1	32.5	30.9	29.3	27.7	26.1	24.6	23.3
-80°	30.9	29.1	27.4	26.2	25.0	23.9	22.8	21.9	21.0	20.3	19.6
-82.5°	21.4	20.0	18.7	18.3	17.9	17.4	16.9	16.6	16.3	16.0	15.7
-85°	15.3	14.2	13.0	12.8	12.7	12.5	12.3	12.4	12.5	12.6	12.7
-87.5°	12.0	10.8	9.6	9.6	9.6	9.6	9.6	9.9	10.1	10.4	10.6
-90°	2.1	2.5	2.8	3.1	3.5	3.8	4.1	4.1	4.1	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.3	9.0	8.6	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	4.5	4.8	5.2	5.5	5.9	6.2	6.6	6.9	6.9	6.9	6.9
85°	4.8	5.0	5.2	5.5	5.9	6.2	6.6	6.9	6.9	6.9	6.9
82.5°	5.5	5.5	5.4	5.5	5.9	6.2	6.6	6.9	6.9	6.9	6.9
80°	5.8	5.9	6.0	5.9	6.0	6.3	6.6	6.9	6.9	6.9	6.9
77.5°	6.3	6.4	6.6	6.7	6.6	6.6	6.7	6.9	6.9	6.9	6.9
75°	6.9	6.8	6.8	7.0	7.0	6.9	6.8	7.0	7.0	6.9	6.9
72.5°	6.9	6.9	6.9	7.1	7.3	7.3	7.1	7.0	7.2	7.2	7.0
70°	8.9	7.3	6.9	7.1	7.5	7.8	7.7	7.5	7.4	7.5	7.3
67.5°	12.4	10.3	8.5	7.4	7.5	7.9	8.2	8.1	8.0	7.8	7.7
65°	20.0	14.5	10.8	9.3	8.3	7.9	8.3	8.6	8.5	8.3	8.1
62.5°	26.4	19.4	14.5	11.5	9.6	8.6	8.4	8.8	9.0	8.7	8.5
60°	31.7	23.6	18.2	14.7	11.6	9.5	8.9	9.1	9.3	9.2	8.9
57.5°	30.9	26.4	22.5	18.1	14.3	11.1	9.6	9.6	9.6	9.6	9.3
55°	27.5	24.5	25.3	22.1	17.3	13.3	10.9	10.2	10.1	10.0	9.8
52.5°	21.5	23.2	25.7	25.0	20.9	15.9	13.0	10.9	10.7	10.5	10.4
50°	17.2	20.8	25.4	26.8	24.2	19.2	15.1	12.5	11.3	11.0	11.0
47.5°	16.6	19.8	23.3	28.1	26.9	22.1	17.5	14.2	11.8	11.5	11.7
45°	18.0	20.5	22.6	26.2	29.3	24.2	19.7	15.8	13.2	12.3	12.5
42.5°	20.4	22.6	24.1	24.6	28.0	25.9	21.6	17.5	14.5	13.3	13.3
40°	24.0	25.5	26.4	26.9	26.9	27.1	22.8	18.9	15.8	14.5	14.2
37.5°	28.4	29.4	29.7	30.7	27.7	26.9	23.6	20.1	17.6	16.0	15.2
35°	36.0	34.1	35.4	35.9	32.3	27.6	24.1	20.9	19.6	17.6	16.2
32.5°	44.8	42.5	43.3	41.9	38.1	29.0	24.9	23.2	21.8	19.1	17.2
30°	56.9	58.1	53.1	48.9	44.7	34.3	27.5	25.8	24.1	20.6	18.4
27.5°	79.7	77.2	65.7	58.1	51.2	41.2	32.8	28.8	26.5	22.2	19.6
25°	108.7	100.1	84.3	68.9	58.4	62.0	38.8	32.0	29.0	24.2	20.9
22.5°	147.3	126.6	105.3	80.9	89.0	89.5	50.6	36.9	31.6	26.3	22.0
20°	191.3	156.3	136.7	128.4	125.7	117.0	70.8	42.2	34.4	28.3	23.2
17.5°	248.2	218.3	212.5	187.0	166.1	147.1	94.6	47.7	37.2	30.4	24.3
15°	418.8	319.9	293.4	251.4	209.1	179.3	121.1	53.5	40.1	32.5	24.8
12.5°	640.7	424.8	378.2	320.2	254.0	213.0	149.6	59.3	43.0	33.5	24.4
10°	890.1	531.8	465.8	392.0	300.1	247.8	178.9	64.9	44.3	33.4	24.1
7.5°	1155.7	639.5	554.7	465.1	345.1	280.2	208.2	70.0	45.4	33.2	23.6
5°	1396.6	727.8	625.0	520.6	380.7	309.0	236.3	75.0	46.5	32.8	23.2
2.5°	1501.4	783.5	681.5	570.5	414.9	336.2	262.2	79.7	47.4	32.3	22.6
0°	1577.8	835.0	734.6	616.3	447.1	361.8	284.7	83.9	48.1	31.6	22.0
-2.5°	1504.8	826.7	722.8	614.4	457.7	367.1	285.8	97.0	57.6	37.3	24.3
-5°	1408.8	814.4	708.1	608.4	465.4	370.3	283.1	109.1	66.6	42.6	26.5
-7.5°	1324.8	783.0	686.4	597.7	469.9	371.1	277.5	120.2	75.0	47.5	28.5
-10°	1218.1	739.8	655.1	572.9	463.2	369.0	270.1	130.0	82.4	51.8	30.2
-12.5°	1078.4	695.5	623.4	548.4	453.2	364.7	263.7	139.2	89.1	55.3	31.6
-15°	904.0	650.8	592.0	525.5	442.0	359.0	256.2	147.3	95.9	58.9	32.5
-17.5°	697.6	606.5	561.5	505.4	429.9	352.1	248.1	153.6	101.5	62.7	34.1
-20°	636.2	575.2	532.9	489.3	417.1	344.2	240.1	158.0	106.0	65.4	35.9



REPORT NUMBER: P731548 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	603.9	555.1	517.5	472.7	404.6	335.4	232.6	160.3	109.1	67.0	36.8
-25°	570.7	536.1	506.2	456.7	392.4	321.9	229.9	160.5	110.8	67.4	37.0
-27.5°	546.4	519.8	497.2	439.7	378.1	310.6	229.1	161.8	111.1	66.5	36.2
-30°	527.4	510.7	479.9	422.0	362.3	294.5	225.5	161.4	109.8	65.2	34.5
-32.5°	518.1	505.3	459.4	403.1	343.4	277.2	215.1	159.1	106.7	63.2	33.5
-35°	518.0	489.4	438.4	382.8	322.9	261.0	202.0	154.8	101.7	59.8	32.4
-37.5°	516.3	466.5	414.8	360.5	301.8	243.6	189.7	143.2	94.9	54.9	30.6
-40°	489.5	440.4	389.3	336.8	281.1	225.0	175.4	129.7	87.6	48.6	28.2
-42.5°	460.4	411.0	360.8	311.7	259.6	207.0	159.1	114.8	76.8	43.9	25.2
-45°	426.7	378.5	329.5	283.6	237.0	186.8	141.1	99.0	64.8	39.7	22.9
-47.5°	389.8	341.6	296.2	253.4	211.5	164.6	121.7	84.6	52.1	34.6	22.1
-50°	347.1	302.7	261.0	221.8	182.1	141.3	101.7	69.1	44.8	28.3	21.2
-52.5°	304.8	262.2	225.7	189.6	153.1	116.5	83.3	53.6	37.1	25.1	20.0
-55°	260.9	223.2	190.7	156.9	123.2	93.5	63.9	44.4	29.0	23.3	18.8
-57.5°	220.4	186.2	154.7	123.4	96.0	70.3	49.7	34.8	25.6	21.5	18.1
-60°	179.5	147.3	117.4	93.5	70.3	51.8	38.4	27.2	23.4	19.7	17.1
-62.5°	135.9	108.4	86.2	65.5	50.6	38.9	28.3	24.8	21.2	18.6	16.1
-65°	97.0	76.3	56.8	47.0	36.6	28.4	25.5	22.2	19.7	17.4	15.1
-67.5°	61.9	51.4	41.2	32.0	27.9	25.3	22.6	20.4	18.3	16.1	14.5
-70°	42.9	33.9	29.3	26.8	24.5	22.2	20.7	18.9	16.9	15.3	13.8
-72.5°	30.4	27.8	25.3	23.1	21.7	20.3	18.9	17.4	15.9	14.5	13.1
-75°	25.4	23.7	22.2	20.9	19.6	18.4	17.4	16.3	15.0	13.7	12.3
-77.5°	22.0	20.8	19.7	18.6	17.6	16.8	16.0	15.2	13.9	12.6	11.4
-80°	18.7	17.8	17.0	16.3	15.6	15.1	14.4	13.7	12.6	11.5	10.5
-82.5°	15.2	14.8	14.4	13.9	13.5	13.0	12.6	12.1	11.2	10.4	9.8
-85°	12.4	12.2	11.9	11.6	11.3	11.0	10.8	10.6	10.1	9.7	9.3
-87.5°	10.4	10.3	10.1	9.8	9.8	9.6	9.5	9.4	9.2	9.0	8.8
-90°	4.5	4.8	5.2	5.5	5.9	6.2	6.6	6.9	6.9	6.9	6.9



REPORT NUMBER: P731548 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.0	7.6	7.3	6.9	6.9	6.9
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	7.0	6.9	6.9	6.9	6.9	6.9
75°	7.0	7.1	6.9	6.9	6.9	6.9	6.9
72.5°	7.0	7.3	7.2	6.9	6.9	6.9	6.9
70°	7.2	7.5	7.4	7.0	6.9	6.9	6.9
67.5°	7.6	7.7	7.7	7.2	6.9	6.9	6.9
65°	8.0	8.0	8.0	7.5	6.9	6.9	6.9
62.5°	8.4	8.4	8.3	7.8	6.9	6.9	6.9
60°	8.8	8.7	8.6	8.0	6.9	6.9	6.9
57.5°	9.2	9.0	8.9	8.3	7.1	6.9	6.9
55°	9.7	9.4	9.1	8.6	7.3	6.9	6.9
52.5°	10.2	9.7	9.4	8.9	7.4	6.9	6.9
50°	10.7	10.2	9.7	9.2	7.6	6.9	6.9
47.5°	11.3	10.6	9.9	9.5	7.7	6.9	6.9
45°	12.0	11.1	10.2	9.7	7.9	6.9	6.9
42.5°	12.7	11.6	10.4	9.9	8.0	6.9	6.9
40°	13.4	12.1	10.8	10.0	8.1	6.9	6.9
37.5°	14.2	12.6	11.1	10.0	8.2	6.9	6.9
35°	15.0	13.2	11.5	10.1	8.3	6.9	6.9
32.5°	15.8	13.8	11.9	10.1	8.3	6.9	6.9
30°	16.7	14.4	12.3	10.1	8.4	6.9	6.9
27.5°	17.6	15.1	12.4	10.1	8.4	6.9	6.9
25°	18.5	15.8	12.4	10.1	8.5	6.9	6.9
22.5°	19.4	16.2	12.4	10.1	8.5	6.9	6.9
20°	20.3	16.2	12.4	10.1	8.5	6.9	6.9
17.5°	20.4	16.0	12.3	10.0	8.5	6.9	6.9
15°	20.1	15.9	12.2	10.0	8.5	6.9	6.9
12.5°	19.6	15.6	12.0	10.0	8.5	6.9	6.9
10°	19.1	15.3	11.9	9.9	8.5	6.9	6.9
7.5°	18.5	15.0	11.7	9.8	8.4	6.9	6.9
5°	17.9	14.6	11.5	9.8	8.4	6.9	6.9
2.5°	17.2	14.2	11.2	9.7	8.4	6.9	6.9
0°	16.5	13.8	11.0	9.6	8.3	6.9	6.9
-2.5°	17.2	13.9	11.1	9.6	8.3	6.9	6.9
-5°	17.9	14.0	11.2	9.6	8.3	7.0	6.9
-7.5°	18.5	14.1	11.3	9.6	8.3	7.0	6.9
-10°	19.0	14.2	11.4	9.5	8.3	7.0	6.9
-12.5°	19.4	14.2	11.4	9.5	8.2	7.0	6.9
-15°	19.6	14.2	11.4	9.5	8.2	7.1	6.9
-17.5°	19.7	14.2	11.4	9.4	8.2	7.1	6.9
-20°	20.0	14.1	11.4	9.4	8.2	7.1	6.9



REPORT NUMBER: P731548 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.5	14.0	11.3	9.3	8.2	7.1	6.9
-25°	20.8	14.1	11.2	9.2	8.1	7.2	6.9
-27.5°	20.6	14.3	11.1	9.2	8.1	7.2	6.9
-30°	20.1	14.4	10.9	9.1	8.1	7.2	6.9
-32.5°	19.2	14.3	10.9	9.0	8.1	7.2	6.9
-35°	18.8	14.3	10.8	8.9	8.1	7.2	6.9
-37.5°	18.6	14.1	10.7	8.8	8.1	7.2	6.9
-40°	18.4	14.0	10.6	8.7	8.1	7.2	6.9
-42.5°	18.0	13.8	10.5	8.6	8.1	7.2	6.9
-45°	17.5	13.5	10.5	8.6	8.1	7.3	6.9
-47.5°	16.8	13.2	10.4	8.6	8.1	7.2	6.9
-50°	16.3	12.8	10.3	8.6	8.1	7.2	6.9
-52.5°	15.8	12.4	10.2	8.6	8.1	7.2	6.9
-55°	15.2	12.2	10.1	8.7	8.1	7.2	6.9
-57.5°	14.6	12.0	10.0	8.7	8.1	7.2	6.9
-60°	14.0	11.7	9.8	8.7	8.1	7.2	6.9
-62.5°	13.6	11.4	9.7	8.7	8.0	7.2	6.9
-65°	13.1	11.1	9.6	8.7	8.0	7.2	6.9
-67.5°	12.6	10.8	9.5	8.6	7.9	7.1	6.9
-70°	12.1	10.5	9.3	8.6	7.8	7.1	6.9
-72.5°	11.6	10.2	9.1	8.4	7.7	7.1	6.9
-75°	11.0	9.8	8.9	8.3	7.6	7.1	6.9
-77.5°	10.3	9.4	8.7	8.1	7.5	7.0	6.9
-80°	9.7	9.1	8.5	7.9	7.4	7.0	6.9
-82.5°	9.3	8.8	8.3	7.8	7.3	7.0	6.9
-85°	9.0	8.5	8.1	7.6	7.1	7.0	6.9
-87.5°	8.6	8.2	7.8	7.4	7.0	6.9	6.9
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9

(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

