

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: P731562 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-5S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731562 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-5S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

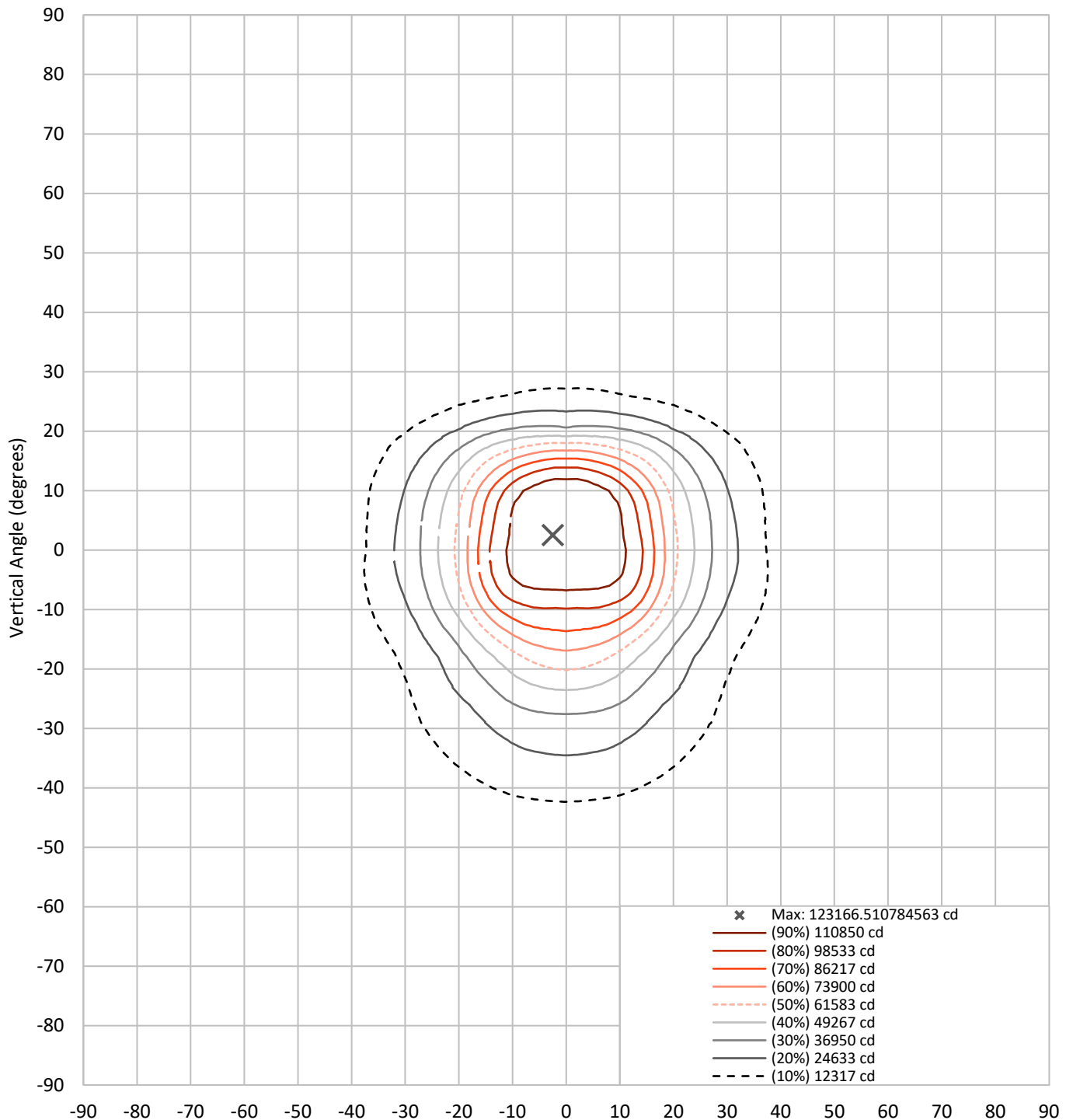
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	65756.7 lumens	Max Intensity:	123166.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	117.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	36232.3 lumens	Field Lumens:	61152.4 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 559.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV1

Iso-Candela Plot





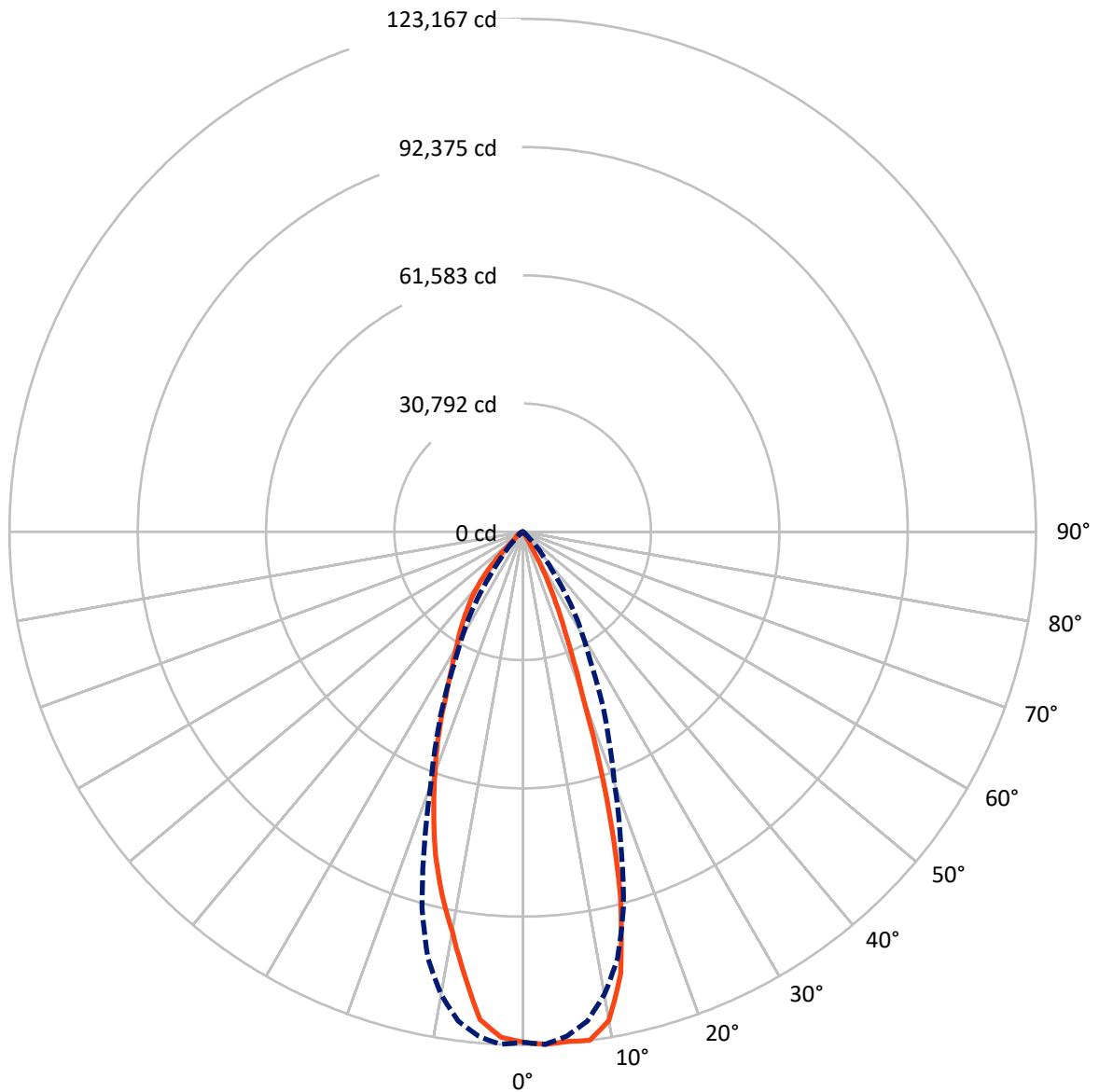
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Lumen Table

90	0.1		0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1		
80	0.1		0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1		
70	0.1	0.1	0.1	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.6	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.6	0.2	0.1				
50	0.1	0.1	0.3	0.5	0.7	0.9	1.0	1.0	1.0	1.0	0.9	0.7	0.5	0.3	0.1	0.1			
40		0.2	0.7	2.0	4.3	9.3	21.9	31.3	31.3	21.9	9.3	4.3	2.0	0.7	0.2				
30	0.2	0.4	3.5	13.1	71.7	220.1	443.0	596.0	596.0	443.0	220.1	71.7	13.1	3.5	0.4	0.2			
20		1.0	8.6	47.4	295.5	841.2	1743.7	2511.3	2511.3	1743.7	841.2	295.5	47.4	8.6	1.0				
10	0.2	1.6	11.6	74.8	424.7	1210.1	2614.5	3615.4	3615.4	2614.5	1210.1	424.7	74.8	11.6	1.6	0.2			
0		2.0	12.4	78.2	427.8	1179.7	2576.5	3415.1	3415.1	2576.5	1179.7	427.8	78.2	12.4	2.0				
-10	0.3	2.4	11.9	52.5	281.2	778.1	1655.2	2354.4	2354.4	1655.2	778.1	281.2	52.5	11.9	2.4	0.3			
-20		2.3	11.3	29.2	165.7	476.5	926.3	1310.0	1310.0	926.3	476.5	165.7	29.2	11.3	2.3				
-30	0.3	1.8	9.1	21.7	66.6	262.7	512.6	701.5	701.5	512.6	262.7	66.6	21.7	9.1	1.8	0.3			
-40		1.2	6.0	17.0	32.7	61.1	144.8	225.1	225.1	144.8	61.1	32.7	17.0	6.0	1.2				
-50	0.2	0.6	3.0	9.3	20.1	32.7	44.6	51.7	51.7	44.6	32.7	20.1	9.3	3.0	0.6	0.2			
-60		0.3	1.1	3.2	6.9	11.7	17.3	20.4	20.4	17.3	11.7	6.9	3.2	1.1	0.3				
-70	0.1	0.6		2.3		5.5		7.4		5.5		2.3		0.6		0.1			
-80		0.6		2.3		5.5		7.4		5.5		2.3		0.6					
-90	0.1		0.6		2.3		5.5		7.4		5.5		2.3		0.6		0.1		

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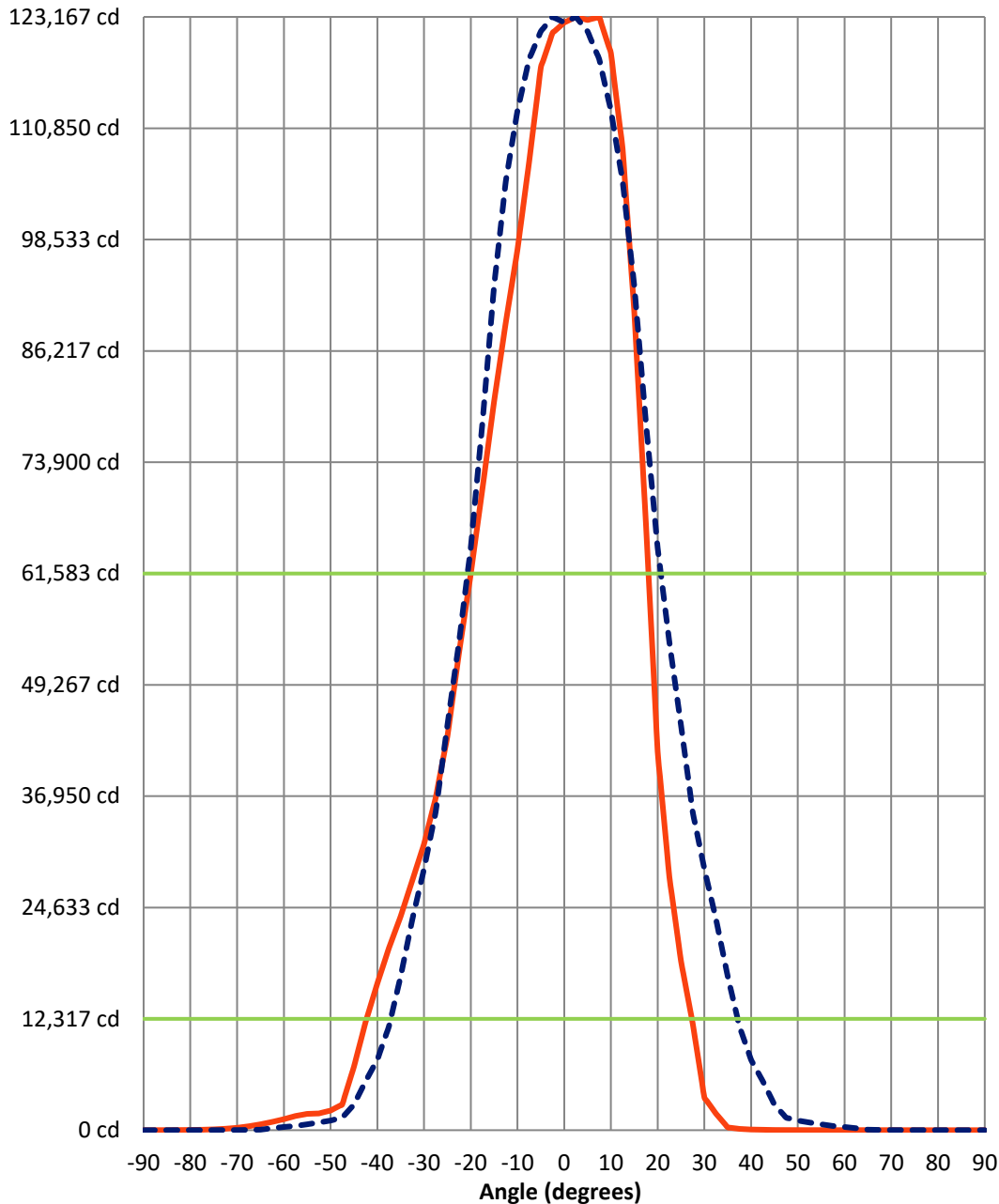
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 36232.3
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 61152.4
 Efficiency: 93.0%

Spill:
 Lumens: 4604.2
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 2.5-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°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0	3.5
85°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0	3.5
82.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.2	4.0
80°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.0	4.8	4.7	4.7
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.1	5.1	5.2	5.3
75°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.3	5.3	5.3
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
70°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
67.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
65°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
62.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
60°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
57.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.3	5.3	5.3	5.5
55°	5.3	5.3	5.3	5.3	5.3	5.3	5.5	5.4	5.3	5.4	5.7
52.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.6	5.5	5.3	5.7	6.1
50°	5.3	5.3	5.3	5.3	5.3	5.5	5.8	5.5	5.4	6.2	7.0
47.5°	5.3	5.3	5.3	5.3	5.3	5.7	6.0	5.6	5.9	6.7	7.9
45°	5.3	5.3	5.3	5.3	5.3	5.8	6.0	5.7	6.4	7.3	8.7
42.5°	5.3	5.3	5.3	5.3	5.3	6.0	6.1	6.0	6.9	8.0	9.3
40°	5.3	5.3	5.3	5.3	5.4	6.3	6.2	6.5	7.5	8.5	9.8
37.5°	5.3	5.3	5.3	5.4	5.6	6.5	6.3	6.9	8.0	9.1	10.3
35°	5.3	5.3	5.3	5.4	5.7	6.6	6.4	7.3	8.5	9.7	11.0
32.5°	5.3	5.3	5.3	5.5	5.9	6.7	6.5	7.8	9.0	10.4	12.4
30°	5.3	5.3	5.3	5.6	6.1	6.8	6.9	8.2	9.4	11.1	14.1
27.5°	5.3	5.3	5.3	5.6	6.3	6.9	7.2	8.5	10.0	11.9	16.0
25°	5.3	5.3	5.3	5.7	6.5	6.9	7.5	8.9	10.6	13.2	18.3
22.5°	5.3	5.3	5.3	5.9	6.6	7.0	7.8	9.3	11.2	14.9	22.4
20°	5.3	5.3	5.3	6.0	6.7	7.0	8.1	9.6	11.8	16.6	26.9
17.5°	5.3	5.3	5.3	6.1	6.8	7.0	8.3	9.9	12.4	18.4	31.6
15°	5.3	5.3	5.3	6.2	6.9	7.0	8.4	10.2	13.0	20.3	36.5
12.5°	5.3	5.3	5.3	6.4	6.9	7.0	8.5	10.3	13.5	22.1	41.4
10°	5.3	5.3	5.3	6.5	7.0	7.0	8.6	10.4	14.1	24.2	46.1
7.5°	5.3	5.3	5.3	6.6	7.0	7.0	8.7	10.5	14.6	26.3	50.6
5°	5.3	5.3	5.3	6.8	7.0	7.0	8.8	10.6	15.0	28.3	54.8
2.5°	5.3	5.3	5.3	6.9	7.0	7.0	8.8	10.6	15.5	30.1	58.4
0°	5.3	5.3	5.3	7.0	7.0	7.0	8.8	10.6	15.8	31.7	61.6
-2.5°	5.3	5.3	5.4	7.0	7.0	7.2	9.3	12.5	21.2	41.4	76.8
-5°	5.3	5.3	5.4	7.0	7.0	7.4	9.7	14.3	26.3	50.5	91.2
-7.5°	5.3	5.3	5.5	7.0	7.0	7.6	10.1	16.0	31.1	58.9	104.2
-10°	5.3	5.3	5.6	6.9	7.0	7.7	10.4	17.5	35.2	66.4	115.8
-12.5°	5.3	5.3	5.7	6.9	7.0	7.9	10.7	18.7	38.7	72.9	126.9
-15°	5.3	5.3	5.7	6.9	7.0	8.0	10.9	19.6	41.8	79.2	136.3
-17.5°	5.3	5.3	5.8	6.9	7.0	8.1	11.1	21.1	44.9	84.1	143.2
-20°	5.3	5.3	5.8	6.9	7.0	8.1	11.5	22.8	47.0	87.2	147.2



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.3	5.3	5.9	6.8	7.0	8.1	12.4	24.0	48.1	88.6	148.2
-25°	5.3	5.3	5.9	6.8	7.0	8.2	13.1	24.7	48.0	88.1	145.9
-27.5°	5.3	5.3	5.9	6.8	7.0	8.4	13.4	24.7	46.7	86.5	144.9
-30°	5.3	5.3	5.9	6.8	7.0	8.4	13.4	24.2	45.9	84.8	141.5
-32.5°	5.3	5.3	5.9	6.8	7.1	8.3	13.1	24.0	45.2	81.5	135.3
-35°	5.3	5.3	5.9	6.9	7.2	8.1	12.9	23.6	43.5	76.5	126.3
-37.5°	5.3	5.3	5.9	6.9	7.2	7.9	12.6	22.7	40.9	69.7	114.7
-40°	5.3	5.3	5.9	7.0	7.3	8.0	12.1	21.2	37.3	64.6	103.4
-42.5°	5.3	5.3	5.8	7.0	7.3	8.1	11.4	19.3	34.4	58.6	90.7
-45°	5.3	5.3	5.8	7.0	7.3	8.1	10.5	17.4	31.5	51.7	77.5
-47.5°	5.3	5.3	5.7	7.0	7.3	8.1	9.4	16.0	27.8	44.2	69.0
-50°	5.3	5.3	5.7	6.9	7.3	8.0	9.2	14.3	23.3	39.0	59.7
-52.5°	5.3	5.3	5.6	6.7	7.2	7.9	9.0	12.4	20.1	33.1	49.9
-55°	5.3	5.3	5.5	6.6	7.2	7.8	8.9	10.4	17.4	26.7	42.4
-57.5°	5.3	5.3	5.4	6.4	7.1	7.7	8.7	10.1	14.4	22.4	34.2
-60°	5.3	5.3	5.3	6.3	7.0	7.5	8.4	9.7	11.7	18.4	26.8
-62.5°	5.3	5.3	5.3	6.1	6.8	7.3	8.1	9.3	11.1	14.2	21.8
-65°	5.3	5.3	5.3	6.0	6.7	7.1	7.8	8.8	10.3	12.5	16.4
-67.5°	5.3	5.3	5.3	5.8	6.5	6.9	7.4	8.4	9.5	11.3	13.6
-70°	5.3	5.3	5.3	5.7	6.4	6.8	7.1	7.9	8.9	10.0	11.9
-72.5°	5.3	5.3	5.3	5.6	6.3	6.7	7.0	7.4	8.4	9.3	10.3
-75°	5.3	5.3	5.3	5.6	6.1	6.6	7.0	7.3	7.8	8.7	9.6
-77.5°	5.3	5.3	5.3	5.6	6.0	6.6	7.0	7.2	7.6	8.1	8.9
-80°	5.3	5.3	5.3	5.5	5.9	6.4	7.0	7.1	7.3	7.7	8.2
-82.5°	5.3	5.3	5.3	5.5	5.7	6.1	6.6	6.8	7.0	7.2	7.5
-85°	5.3	5.3	5.3	5.4	5.6	5.8	6.2	6.3	6.5	6.6	6.7
-87.5°	5.3	5.3	5.3	5.4	5.4	5.6	5.7	5.8	5.9	6.0	6.0
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0	3.5



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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°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	4.0	4.0	3.8	3.5	3.5	3.5	3.5	3.7	3.8	3.8	3.7
80°	4.7	4.5	4.0	3.6	3.7	4.0	4.4	4.9	4.8	4.5	4.2
77.5°	5.0	4.5	4.1	3.6	3.9	4.5	4.9	5.2	5.2	5.2	5.2
75°	5.0	4.6	4.3	4.3	4.7	5.1	5.3	5.6	5.9	5.9	5.7
72.5°	5.1	4.9	5.0	5.3	5.3	5.6	6.0	6.6	7.0	7.0	6.9
70°	5.2	5.3	5.3	5.3	5.4	6.0	6.9	7.8	8.4	8.7	9.6
67.5°	5.3	5.3	5.3	5.4	6.0	7.0	7.9	10.0	12.6	13.7	14.6
65°	5.3	5.3	5.5	6.1	6.9	8.3	10.5	13.6	18.8	21.3	22.4
62.5°	5.3	5.4	5.9	6.8	7.9	9.7	14.2	20.0	26.6	30.2	29.5
60°	5.3	5.5	6.6	8.0	9.4	13.3	19.1	25.9	34.3	40.3	36.2
57.5°	5.5	6.2	8.0	9.6	12.6	16.5	22.4	30.6	39.1	48.2	41.6
55°	6.1	7.6	9.4	11.7	14.9	17.9	23.9	31.5	40.9	46.7	41.0
52.5°	7.4	9.0	10.5	13.3	16.4	18.8	22.4	29.4	35.0	39.8	36.6
50°	8.5	9.7	11.4	14.6	17.3	18.8	18.5	23.9	28.6	30.7	31.1
47.5°	9.3	10.4	12.5	15.6	17.9	18.3	16.6	19.3	22.8	25.0	24.3
45°	9.9	11.6	13.9	16.5	18.2	17.6	17.3	16.3	20.7	22.6	22.9
42.5°	10.5	12.9	15.6	17.7	18.4	19.3	19.7	19.8	22.1	26.4	28.7
40°	11.6	14.2	17.7	19.5	19.9	22.9	26.0	28.4	30.0	36.0	40.2
37.5°	12.7	16.4	20.6	23.7	24.2	29.5	34.4	50.0	53.2	48.6	63.8
35°	13.7	18.8	26.0	33.5	37.7	39.1	60.6	81.7	90.7	88.8	101.7
32.5°	15.5	21.5	33.1	50.0	66.7	71.0	93.9	129.6	161.5	174.4	166.5
30°	18.6	28.1	44.4	71.0	108.9	150.5	157.0	196.6	261.1	313.7	392.4
27.5°	23.1	36.7	64.5	109.7	170.3	255.4	276.2	310.6	406.6	538.6	792.0
25°	28.4	58.3	87.6	161.2	273.2	373.0	412.3	477.3	588.6	1015.3	1598.8
22.5°	40.1	87.3	134.8	220.5	393.3	496.4	567.5	676.5	941.0	1622.3	2758.1
20°	60.9	127.6	194.5	295.3	520.3	626.6	722.1	887.9	1478.4	2745.2	4591.3
17.5°	85.5	171.1	256.4	385.5	588.9	734.1	882.0	1104.7	2042.3	4054.9	6507.7
15°	113.0	217.0	314.4	463.6	648.9	805.1	1011.4	1524.7	2937.6	5550.2	8268.0
12.5°	142.3	264.4	368.8	530.3	704.5	871.8	1117.5	1883.7	3870.9	6908.6	10076.5
10°	172.6	312.3	419.6	586.4	755.6	933.5	1213.7	2211.7	4528.8	7418.2	10942.8
7.5°	191.4	342.2	460.5	633.2	801.7	989.8	1298.9	2501.4	4994.4	7675.2	11299.7
5°	205.5	349.8	464.6	646.9	831.2	1034.6	1365.3	2744.4	5283.8	7711.6	11409.8
2.5°	216.3	352.9	465.4	651.2	848.9	1064.9	1388.1	2824.8	5416.4	7782.2	11486.0
0°	223.6	352.1	463.0	649.7	861.0	1088.1	1396.2	2839.9	5419.3	7827.8	11514.6
-2.5°	235.5	364.7	486.6	677.0	874.6	1093.0	1407.6	2919.8	5682.2	8320.6	12383.5
-5°	244.0	374.1	506.2	698.2	882.7	1090.6	1405.7	2924.1	5715.2	8434.9	12418.7
-7.5°	249.2	380.4	521.0	710.8	875.6	1063.1	1357.6	2687.8	5212.3	7917.7	11575.0
-10°	252.4	388.4	531.4	703.5	849.5	1018.1	1289.4	2395.6	4610.9	7252.2	10555.3
-12.5°	258.2	397.7	538.3	694.9	825.2	968.5	1209.2	2055.7	3928.0	6438.8	9373.7
-15°	260.0	403.8	541.8	686.5	804.8	915.2	1117.4	1674.8	3243.5	5724.8	8203.9
-17.5°	257.7	406.7	542.0	679.7	790.3	858.9	1023.4	1345.6	2733.3	5031.5	7319.2
-20°	251.2	406.4	539.0	675.5	781.4	840.4	992.5	1273.9	2294.7	4219.5	6483.2



REPORT NUMBER: P731562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	240.4	403.1	533.8	668.3	780.5	857.4	966.2	1183.6	1744.5	3281.6	5616.8
-25°	233.3	387.8	525.6	649.9	775.2	875.8	937.9	1087.0	1400.0	2565.4	4449.0
-27.5°	229.9	367.5	501.2	623.5	761.6	886.3	943.2	1051.9	1273.4	1778.7	3218.8
-30°	222.1	333.3	471.8	590.2	729.8	865.2	964.1	1015.5	1158.7	1453.1	2300.3
-32.5°	206.6	298.2	433.0	554.1	685.6	834.1	967.8	1018.5	1111.0	1280.6	1598.1
-35°	188.6	275.8	390.6	512.3	632.7	783.2	924.6	1032.8	1073.4	1196.1	1417.8
-37.5°	172.8	249.6	347.5	465.4	582.0	720.5	876.1	1002.0	1085.5	1139.3	1303.1
-40°	154.5	219.6	311.7	417.7	530.8	657.2	801.2	948.2	1066.6	1168.5	1237.2
-42.5°	134.6	196.5	274.9	369.8	479.0	596.2	720.8	866.4	1018.0	1163.0	1269.1
-45°	118.9	170.8	236.1	325.3	424.1	532.2	649.0	771.9	930.3	1093.9	1242.1
-47.5°	101.6	144.9	204.6	276.8	368.3	467.4	573.4	689.5	820.1	977.5	1147.6
-50°	85.0	123.9	169.8	234.4	310.9	400.8	497.7	599.3	714.8	845.7	995.3
-52.5°	73.5	101.2	142.2	191.5	257.2	333.6	419.3	508.9	607.4	715.0	837.9
-55°	61.3	85.1	114.9	155.5	205.1	270.3	340.2	419.7	501.5	595.1	689.7
-57.5°	50.5	70.1	93.2	123.0	162.7	207.7	268.4	331.1	403.9	479.5	555.0
-60°	40.3	55.9	74.9	97.7	124.6	161.7	200.2	252.6	310.7	367.8	430.8
-62.5°	30.3	43.0	58.0	75.8	97.6	119.3	149.9	185.8	223.9	270.9	317.0
-65°	23.9	31.1	42.5	56.8	72.3	90.8	109.9	129.3	159.9	190.3	219.2
-67.5°	17.2	23.7	30.3	38.4	51.5	64.6	78.3	95.2	112.3	128.2	146.9
-70°	14.2	16.7	21.9	27.9	33.7	40.7	52.1	64.0	76.1	88.1	101.4
-72.5°	11.9	14.0	16.3	18.8	23.5	28.1	32.6	36.9	44.6	54.4	63.9
-75°	10.4	11.2	13.0	15.0	17.0	18.9	21.0	24.8	28.5	32.3	36.2
-77.5°	9.4	10.0	10.8	11.7	12.8	14.5	16.1	17.6	19.1	20.6	22.0
-80°	8.5	8.8	9.2	9.8	10.5	11.2	12.1	13.1	14.1	15.3	16.5
-82.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.4	10.0	10.6	11.3
-85°	6.9	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.9	8.0	8.1
-87.5°	6.1	6.1	6.2	6.3	6.3	6.4	6.4	6.5	6.6	6.6	6.6
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8
85°	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.0	2.6
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.1	2.7
80°	4.0	4.0	3.9	3.8	3.5	3.5	3.5	3.5	3.5	3.1	2.7
77.5°	5.3	5.0	4.5	4.1	3.6	3.5	3.5	3.5	3.5	3.1	2.7
75°	5.4	5.1	4.9	4.6	4.4	4.3	4.1	3.9	3.6	3.4	3.4
72.5°	6.7	6.6	6.5	6.7	6.7	6.5	6.1	5.7	5.1	5.0	5.1
70°	10.1	10.5	10.6	10.4	9.9	9.0	8.3	7.6	6.8	6.7	6.8
67.5°	15.6	15.8	15.3	14.2	12.3	10.7	9.8	8.8	7.6	7.2	7.6
65°	22.2	19.5	17.4	15.6	13.9	12.4	11.3	10.1	8.9	8.7	9.8
62.5°	26.4	20.8	17.6	16.0	15.0	13.9	12.3	10.9	9.6	8.9	9.0
60°	30.1	22.1	16.7	15.2	13.9	12.5	10.9	9.5	8.4	7.6	7.4
57.5°	31.8	22.6	15.3	13.3	11.4	9.5	8.7	8.3	7.7	7.0	7.4
55°	30.6	21.0	13.0	11.5	10.9	10.6	10.2	9.4	8.7	8.2	8.5
52.5°	26.3	19.1	13.8	12.0	11.5	11.0	10.5	10.3	10.2	10.0	10.1
50°	23.4	17.8	14.2	12.2	12.1	12.2	12.1	12.3	12.6	12.7	12.8
47.5°	20.8	16.8	15.9	13.9	14.2	15.3	15.5	15.8	16.8	16.6	16.2
45°	20.8	22.4	21.9	20.7	19.9	27.7	28.2	23.6	28.1	27.5	24.1
42.5°	30.5	32.7	33.2	40.8	55.1	54.4	53.0	59.9	55.2	48.3	43.4
40°	47.3	47.3	56.1	68.9	68.4	65.7	74.5	75.6	75.0	79.0	77.8
37.5°	75.3	76.2	80.2	87.9	101.3	95.0	114.0	126.3	128.2	145.3	158.4
35°	125.2	146.7	127.5	173.3	203.2	196.8	224.5	274.2	227.4	348.2	370.0
32.5°	234.7	283.1	320.2	372.4	439.9	539.6	547.0	900.0	970.6	1179.0	1463.9
30°	404.2	544.3	813.5	883.8	992.4	1405.5	1893.9	2505.1	3073.3	3479.1	4012.9
27.5°	973.0	1204.5	1784.6	2414.8	2378.0	3149.9	4896.9	5434.4	6909.6	7400.4	8645.6
25°	2176.4	2730.8	4134.8	5386.0	6023.7	8057.5	10362.4	11401.9	13345.2	14378.5	15902.9
22.5°	4256.1	5777.0	7639.2	9560.7	11955.1	15069.2	17918.5	19998.3	22614.9	24715.5	25958.9
20°	6888.7	8993.4	11861.1	14845.9	18549.4	22640.4	25614.5	29828.3	33763.6	37500.6	39186.2
17.5°	9395.7	12912.0	16381.5	19984.0	24842.4	30193.6	35040.8	41203.6	47729.0	52747.1	56837.8
15°	11519.9	15432.6	20438.4	24744.0	30304.7	36977.9	44183.9	52062.8	61447.1	68579.6	76260.7
12.5°	13480.7	17404.0	22835.4	27977.6	35465.1	43002.0	51411.3	61200.9	72049.0	82599.9	92497.2
10°	14743.1	19264.8	25085.1	31332.3	39002.2	47754.0	57319.8	68286.8	82188.7	94250.9	105401.3
7.5°	15506.9	20961.8	26988.6	33650.1	41860.8	50866.8	60941.0	73869.7	88476.3	101075.7	111092.9
5°	16258.0	22352.1	28217.3	34767.4	43721.5	52885.8	62712.2	75680.9	90746.3	103357.8	112353.1
2.5°	17011.3	23309.3	28892.3	35212.0	44777.9	54026.9	64430.6	78247.1	93390.3	104972.8	112786.7
0°	17699.7	23650.7	29135.1	35323.7	45237.9	54525.3	65117.3	78760.5	95653.9	106793.4	114358.9
-2.5°	17949.4	23632.2	28872.5	35008.5	44853.9	53843.1	64384.9	79088.0	94852.9	106188.0	113870.1
-5°	17190.1	22347.1	27446.8	33661.9	42814.1	52092.8	62705.4	77284.7	92249.7	103984.3	111309.9
-7.5°	15762.3	20421.8	25437.8	31596.6	39912.2	48878.8	58539.6	71274.4	86007.1	96939.0	102708.7
-10°	14267.8	18264.4	23003.0	28703.2	36031.2	44546.3	52554.3	63390.2	77006.9	86698.7	92603.4
-12.5°	12559.4	15802.7	20176.3	25158.6	31699.7	39123.2	46447.6	55612.8	66012.1	75980.4	82127.6
-15°	10766.0	13376.0	17176.2	21957.1	27122.8	32675.4	39448.5	46872.8	55164.9	63244.8	70247.6
-17.5°	9330.4	11344.6	14831.9	19128.4	23067.3	27571.9	34173.5	40208.9	46277.5	52794.0	58627.8
-20°	8407.1	10297.7	13114.7	16702.0	20609.6	25150.3	30251.8	35530.6	41171.7	46174.9	51316.8



REPORT NUMBER: P731562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7670.2	9613.4	11786.9	14776.7	18935.8	23107.4	27031.8	31071.6	35751.7	40862.2	45169.6
-25°	6713.0	8750.8	10815.7	13659.4	17161.0	20848.3	23737.5	26613.9	30836.6	35182.9	38743.8
-27.5°	5381.8	7685.8	10096.6	12411.2	15396.2	18018.6	20557.5	23164.3	26846.4	30515.1	33175.6
-30°	3840.3	6501.6	9005.3	11370.4	13419.8	15484.8	17608.2	20276.7	23354.7	26306.7	28568.3
-32.5°	2810.1	4804.1	7511.8	9925.7	11931.3	13659.9	15290.7	17665.1	20073.2	22440.2	24601.9
-35°	1793.1	3250.6	5360.5	7818.5	10173.1	12008.4	13781.5	15501.9	17311.7	19329.1	21199.7
-37.5°	1543.9	1935.7	3232.0	5065.8	7322.5	9720.7	11463.9	13176.7	15024.2	16539.8	18112.4
-40°	1399.3	1603.9	1932.3	2582.8	4286.7	5978.6	7937.2	9769.0	11534.9	13090.7	14527.8
-42.5°	1336.1	1458.6	1591.2	1838.0	2112.9	2924.1	4352.0	5685.8	7257.5	8819.1	10183.0
-45°	1368.1	1410.2	1477.7	1599.0	1711.5	1940.0	2180.6	2432.0	3506.0	4632.2	5597.2
-47.5°	1280.5	1403.2	1468.6	1521.4	1579.2	1678.6	1781.5	1921.6	2163.7	2409.0	2603.5
-50°	1135.1	1265.9	1380.6	1493.8	1548.6	1588.3	1630.7	1712.8	1825.1	1940.7	2025.8
-52.5°	954.4	1080.9	1207.2	1321.8	1415.3	1505.6	1594.9	1662.0	1720.8	1778.8	1806.8
-55°	792.6	898.1	1000.0	1103.2	1205.1	1301.7	1400.6	1501.2	1594.7	1681.1	1723.9
-57.5°	640.6	729.1	816.6	895.4	976.6	1059.3	1150.9	1248.6	1345.3	1435.7	1482.4
-60°	496.4	564.3	635.9	700.1	760.5	817.0	896.1	976.4	1053.2	1118.6	1153.4
-62.5°	363.0	415.7	470.0	521.0	569.4	617.4	677.0	735.0	790.8	835.8	862.1
-65°	251.6	290.8	327.3	362.6	396.8	437.8	482.9	526.3	567.6	598.4	615.8
-67.5°	171.7	195.0	215.4	234.4	259.1	287.9	319.5	349.2	377.0	397.1	410.5
-70°	114.8	127.4	138.6	151.5	167.1	182.8	199.9	216.8	233.2	244.6	251.6
-72.5°	72.8	80.9	88.5	97.4	105.7	114.1	122.4	130.1	137.2	143.7	149.8
-75°	40.0	44.2	50.3	55.9	61.1	66.7	72.1	76.9	81.1	84.0	86.1
-77.5°	24.4	27.2	29.6	31.9	33.9	36.3	39.1	41.9	44.8	46.7	48.3
-80°	17.7	18.5	19.4	20.3	21.2	22.0	22.7	23.2	23.6	24.3	25.0
-82.5°	12.0	12.5	13.0	13.4	13.8	14.6	15.4	16.1	16.9	17.5	18.1
-85°	8.1	8.1	8.1	8.1	8.1	8.6	9.2	9.7	10.2	10.3	10.4
-87.5°	6.7	6.4	6.0	5.7	5.3	5.3	5.2	5.2	5.2	5.3	5.3
-90°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8



REPORT NUMBER: P731562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
85°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.6	3.0	3.4	3.4
82.5°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5
80°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5
77.5°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.1	3.5	3.5
75°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.6	3.9
72.5°	5.2	5.3	5.3	5.3	5.3	5.3	5.2	5.1	5.0	5.1	5.7
70°	6.9	6.9	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.8	7.6
67.5°	8.1	8.7	8.8	8.8	8.8	8.7	8.1	7.6	7.2	7.6	8.8
65°	10.9	12.0	11.5	10.6	11.5	12.0	10.9	9.8	8.7	8.9	10.1
62.5°	9.0	8.9	8.8	8.8	8.8	8.9	9.0	9.0	8.9	9.6	10.9
60°	7.2	7.1	7.0	7.0	7.0	7.1	7.2	7.4	7.6	8.4	9.5
57.5°	8.0	8.5	8.8	8.8	8.8	8.5	8.0	7.4	7.0	7.7	8.3
55°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.5	8.2	8.7	9.4
52.5°	10.3	10.5	10.6	10.6	10.6	10.5	10.3	10.1	10.0	10.2	10.3
50°	12.7	12.4	12.3	12.3	12.3	12.4	12.7	12.8	12.7	12.6	12.3
47.5°	16.1	15.8	15.7	15.8	15.7	15.8	16.1	16.2	16.6	16.8	15.8
45°	24.1	23.3	22.7	22.9	22.7	23.3	24.1	24.1	27.5	28.1	23.6
42.5°	46.0	47.7	49.6	52.8	49.6	47.7	46.0	43.4	48.3	55.2	59.9
40°	78.5	76.2	73.3	73.9	73.3	76.2	78.5	77.8	79.0	75.0	75.6
37.5°	163.3	157.2	145.4	137.3	145.4	157.2	163.3	158.4	145.3	128.2	126.3
35°	335.6	327.7	308.4	302.8	308.4	327.7	335.6	370.0	348.2	227.4	274.2
32.5°	1579.9	1761.1	1818.0	1820.5	1818.0	1761.1	1579.9	1463.9	1179.0	970.6	900.0
30°	4054.5	4010.4	3619.2	3216.7	3619.2	4010.4	4054.5	4012.9	3479.1	3073.3	2505.1
27.5°	9757.9	10949.9	11811.0	11532.2	11811.0	10949.9	9757.9	8645.6	7400.4	6909.6	5434.4
25°	17574.9	18418.5	18695.4	18284.3	18695.4	18418.5	17574.9	15902.9	14378.5	13345.2	11401.9
22.5°	27592.3	28098.9	28054.7	27129.7	28054.7	28098.9	27592.3	25958.9	24715.5	22614.9	19998.3
20°	41551.7	41470.9	41885.9	40003.5	41885.9	41470.9	41551.7	39186.2	37500.6	33763.6	29828.3
17.5°	61295.3	64538.1	67007.0	66770.5	67007.0	64538.1	61295.3	56837.8	52747.1	47729.0	41203.6
15°	82268.4	87168.2	90517.2	90734.6	90517.2	87168.2	82268.4	76260.7	68579.6	61447.1	52062.8
12.5°	100499.7	105739.6	108584.0	108151.8	108584.0	105739.6	100499.7	92497.2	82599.9	72049.0	61200.9
10°	112113.5	116146.8	119140.2	119883.8	119140.2	116146.8	112113.5	105401.3	94250.9	82188.7	68286.8
7.5°	116770.6	120545.3	123154.7	123115.5	123154.7	120545.3	116770.6	111092.9	101075.7	88476.3	73869.7
5°	117632.4	121348.9	122825.8	123105.8	122825.8	121348.9	117632.4	112353.1	103357.8	90746.3	75680.9
2.5°	118479.9	121561.2	123166.5	122556.5	123166.5	121561.2	118479.9	112786.7	104972.8	93390.3	78247.1
0°	118811.6	121281.7	122536.2	122148.0	122536.2	121281.7	118811.6	114358.9	106793.4	95653.9	78760.5
-2.5°	118698.0	120322.9	121384.7	121017.6	121384.7	120322.9	118698.0	113870.1	106188.0	94852.9	79088.0
-5°	115660.4	117059.7	117554.5	117825.6	117554.5	117059.7	115660.4	111309.9	103984.3	92249.7	77284.7
-7.5°	105899.2	107738.4	107147.0	108039.1	107147.0	107738.4	105899.2	102708.7	96939.0	86007.1	71274.4
-10°	96242.6	98032.4	97418.4	97993.7	97418.4	98032.4	96242.6	92603.4	86698.7	77006.9	63390.2
-12.5°	87136.7	89388.1	89354.7	90171.2	89354.7	89388.1	87136.7	82127.6	75980.4	66012.1	55612.8
-15°	76189.1	79056.5	80618.1	81619.8	80618.1	79056.5	76189.1	70247.6	63244.8	55164.9	46872.8
-17.5°	64624.8	68312.2	70939.1	71342.9	70939.1	68312.2	64624.8	58627.8	52794.0	46277.5	40208.9
-20°	55734.2	59058.5	61530.9	62328.4	61530.9	59058.5	55734.2	51316.8	46174.9	41171.7	35530.6



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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°	48286.5	51029.7	52817.4	53257.6	52817.4	51029.7	48286.5	45169.6	40862.2	35751.7	31071.6
-25°	41076.9	42610.7	43549.0	43903.3	43549.0	42610.7	41076.9	38743.8	35182.9	30836.6	26613.9
-27.5°	35209.0	36303.0	36771.5	36955.9	36771.5	36303.0	35209.0	33175.6	30515.1	26846.4	23164.3
-30°	30297.1	31137.2	31651.9	31843.0	31651.9	31137.2	30297.1	28568.3	26306.7	23354.7	20276.7
-32.5°	26253.7	27089.9	27632.3	27826.9	27632.3	27089.9	26253.7	24601.9	22440.2	20073.2	17665.1
-35°	22467.8	23159.1	23653.2	23883.1	23653.2	23159.1	22467.8	21199.7	19329.1	17311.7	15501.9
-37.5°	19121.4	19745.1	20156.6	20284.3	20156.6	19745.1	19121.4	18112.4	16539.8	15024.2	13176.7
-40°	15337.4	15900.2	16213.2	16197.9	16213.2	15900.2	15337.4	14527.8	13090.7	11534.9	9769.0
-42.5°	10989.0	11557.4	11959.1	12261.1	11959.1	11557.4	10989.0	10183.0	8819.1	7257.5	5685.8
-45°	6243.0	6710.1	7010.7	7151.7	7010.7	6710.1	6243.0	5597.2	4632.2	3506.0	2432.0
-47.5°	2719.0	2803.8	2846.4	2847.0	2846.4	2803.8	2719.0	2603.5	2409.0	2163.7	1921.6
-50°	2087.5	2140.7	2171.5	2179.7	2171.5	2140.7	2087.5	2025.8	1940.7	1825.1	1712.8
-52.5°	1826.5	1844.9	1853.2	1854.0	1853.2	1844.9	1826.5	1806.8	1778.8	1720.8	1662.0
-55°	1760.0	1790.7	1802.9	1801.1	1802.9	1790.7	1760.0	1723.9	1681.1	1594.7	1501.2
-57.5°	1521.4	1552.1	1569.8	1575.8	1569.8	1552.1	1521.4	1482.4	1435.7	1345.3	1248.6
-60°	1180.4	1199.5	1216.2	1227.2	1216.2	1199.5	1180.4	1153.4	1118.6	1053.2	976.4
-62.5°	883.5	899.6	915.1	926.1	915.1	899.6	883.5	862.1	835.8	790.8	735.0
-65°	628.4	636.4	649.3	660.2	649.3	636.4	628.4	615.8	598.4	567.6	526.3
-67.5°	421.0	428.7	433.4	434.9	433.4	428.7	421.0	410.5	397.1	377.0	349.2
-70°	256.4	259.3	264.8	269.4	264.8	259.3	256.4	251.6	244.6	233.2	216.8
-72.5°	155.2	159.8	159.8	158.5	159.8	159.8	155.2	149.8	143.7	137.2	130.1
-75°	87.7	88.9	89.6	89.8	89.6	88.9	87.7	86.1	84.0	81.1	76.9
-77.5°	49.5	50.6	50.1	49.3	50.1	50.6	49.5	48.3	46.7	44.8	41.9
-80°	25.7	26.3	26.4	26.4	26.4	26.3	25.7	25.0	24.3	23.6	23.2
-82.5°	18.7	19.3	18.5	17.6	18.5	19.3	18.7	18.1	17.5	16.9	16.1
-85°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	9.7
-87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2
-90°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	2.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4.4	4.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.7	3.8	3.8	3.7
80°	3.5	3.5	3.5	3.8	3.9	4.0	4.0	4.2	4.5	4.8	4.9
77.5°	3.5	3.5	3.6	4.1	4.5	5.0	5.3	5.2	5.2	5.2	5.2
75°	4.1	4.3	4.4	4.6	4.9	5.1	5.4	5.7	5.9	5.9	5.6
72.5°	6.1	6.5	6.7	6.7	6.5	6.6	6.7	6.9	7.0	7.0	6.6
70°	8.3	9.0	9.9	10.4	10.6	10.5	10.1	9.6	8.7	8.4	7.8
67.5°	9.8	10.7	12.3	14.2	15.3	15.8	15.6	14.6	13.7	12.6	10.0
65°	11.3	12.4	13.9	15.6	17.4	19.5	22.2	22.4	21.3	18.8	13.6
62.5°	12.3	13.9	15.0	16.0	17.6	20.8	26.4	29.5	30.2	26.6	20.0
60°	10.9	12.5	13.9	15.2	16.7	22.1	30.1	36.2	40.3	34.3	25.9
57.5°	8.7	9.5	11.4	13.3	15.3	22.6	31.8	41.6	48.2	39.1	30.6
55°	10.2	10.6	10.9	11.5	13.0	21.0	30.6	41.0	46.7	40.9	31.5
52.5°	10.5	11.0	11.5	12.0	13.8	19.1	26.3	36.6	39.8	35.0	29.4
50°	12.1	12.2	12.1	12.2	14.2	17.8	23.4	31.1	30.7	28.6	23.9
47.5°	15.5	15.3	14.2	13.9	15.9	16.8	20.8	24.3	25.0	22.8	19.3
45°	28.2	27.7	19.9	20.7	21.9	22.4	20.8	22.9	22.6	20.7	16.3
42.5°	53.0	54.4	55.1	40.8	33.2	32.7	30.5	28.7	26.4	22.1	19.8
40°	74.5	65.7	68.4	68.9	56.1	47.3	47.3	40.2	36.0	30.0	28.4
37.5°	114.0	95.0	101.3	87.9	80.2	76.2	75.3	63.8	48.6	53.2	50.0
35°	224.5	196.8	203.2	173.3	127.5	146.7	125.2	101.7	88.8	90.7	81.7
32.5°	547.0	539.6	439.9	372.4	320.2	283.1	234.7	166.5	174.4	161.5	129.6
30°	1893.9	1405.5	992.4	883.8	813.5	544.3	404.2	392.4	313.7	261.1	196.6
27.5°	4896.9	3149.9	2378.0	2414.8	1784.6	1204.5	973.0	792.0	538.6	406.6	310.6
25°	10362.4	8057.5	6023.7	5386.0	4134.8	2730.8	2176.4	1598.8	1015.3	588.6	477.3
22.5°	17918.5	15069.2	11955.1	9560.7	7639.2	5777.0	4256.1	2758.1	1622.3	941.0	676.5
20°	25614.5	22640.4	18549.4	14845.9	11861.1	8993.4	6888.7	4591.3	2745.2	1478.4	887.9
17.5°	35040.8	30193.6	24842.4	19984.0	16381.5	12912.0	9395.7	6507.7	4054.9	2042.3	1104.7
15°	44183.9	36977.9	30304.7	24744.0	20438.4	15432.6	11519.9	8268.0	5550.2	2937.6	1524.7
12.5°	51411.3	43002.0	35465.1	27977.6	22835.4	17404.0	13480.7	10076.5	6908.6	3870.9	1883.7
10°	57319.8	47754.0	39002.2	31332.3	25085.1	19264.8	14743.1	10942.8	7418.2	4528.8	2211.7
7.5°	60941.0	50866.8	41860.8	33650.1	26988.6	20961.8	15506.9	11299.7	7675.2	4994.4	2501.4
5°	62712.2	52885.8	43721.5	34767.4	28217.3	22352.1	16258.0	11409.8	7711.6	5283.8	2744.4
2.5°	64430.6	54026.9	44777.9	35212.0	28892.3	23309.3	17011.3	11486.0	7782.2	5416.4	2824.8
0°	65117.3	54525.3	45237.9	35323.7	29135.1	23650.7	17699.7	11514.6	7827.8	5419.3	2839.9
-2.5°	64384.9	53843.1	44853.9	35008.5	28872.5	23632.2	17949.4	12383.5	8320.6	5682.2	2919.8
-5°	62705.4	52092.8	42814.1	33661.9	27446.8	22347.1	17190.1	12418.7	8434.9	5715.2	2924.1
-7.5°	58539.6	48878.8	39912.2	31596.6	25437.8	20421.8	15762.3	11575.0	7917.7	5212.3	2687.8
-10°	52554.3	44546.3	36031.2	28703.2	23003.0	18264.4	14267.8	10555.3	7252.2	4610.9	2395.6
-12.5°	46447.6	39123.2	31699.7	25158.6	20176.3	15802.7	12559.4	9373.7	6438.8	3928.0	2055.7
-15°	39448.5	32675.4	27122.8	21957.1	17176.2	13376.0	10766.0	8203.9	5724.8	3243.5	1674.8
-17.5°	34173.5	27571.9	23067.3	19128.4	14831.9	11344.6	9330.4	7319.2	5031.5	2733.3	1345.6
-20°	30251.8	25150.3	20609.6	16702.0	13114.7	10297.7	8407.1	6483.2	4219.5	2294.7	1273.9



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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°	27031.8	23107.4	18935.8	14776.7	11786.9	9613.4	7670.2	5616.8	3281.6	1744.5	1183.6
-25°	23737.5	20848.3	17161.0	13659.4	10815.7	8750.8	6713.0	4449.0	2565.4	1400.0	1087.0
-27.5°	20557.5	18018.6	15396.2	12411.2	10096.6	7685.8	5381.8	3218.8	1778.7	1273.4	1051.9
-30°	17608.2	15484.8	13419.8	11370.4	9005.3	6501.6	3840.3	2300.3	1453.1	1158.7	1015.5
-32.5°	15290.7	13659.9	11931.3	9925.7	7511.8	4804.1	2810.1	1598.1	1280.6	1111.0	1018.5
-35°	13781.5	12008.4	10173.1	7818.5	5360.5	3250.6	1793.1	1417.8	1196.1	1073.4	1032.8
-37.5°	11463.9	9720.7	7322.5	5065.8	3232.0	1935.7	1543.9	1303.1	1139.3	1085.5	1002.0
-40°	7937.2	5978.6	4286.7	2582.8	1932.3	1603.9	1399.3	1237.2	1168.5	1066.6	948.2
-42.5°	4352.0	2924.1	2112.9	1838.0	1591.2	1458.6	1336.1	1269.1	1163.0	1018.0	866.4
-45°	2180.6	1940.0	1711.5	1599.0	1477.7	1410.2	1368.1	1242.1	1093.9	930.3	771.9
-47.5°	1781.5	1678.6	1579.2	1521.4	1468.6	1403.2	1280.5	1147.6	977.5	820.1	689.5
-50°	1630.7	1588.3	1548.6	1493.8	1380.6	1265.9	1135.1	995.3	845.7	714.8	599.3
-52.5°	1594.9	1505.6	1415.3	1321.8	1207.2	1080.9	954.4	837.9	715.0	607.4	508.9
-55°	1400.6	1301.7	1205.1	1103.2	1000.0	898.1	792.6	689.7	595.1	501.5	419.7
-57.5°	1150.9	1059.3	976.6	895.4	816.6	729.1	640.6	555.0	479.5	403.9	331.1
-60°	896.1	817.0	760.5	700.1	635.9	564.3	496.4	430.8	367.8	310.7	252.6
-62.5°	677.0	617.4	569.4	521.0	470.0	415.7	363.0	317.0	270.9	223.9	185.8
-65°	482.9	437.8	396.8	362.6	327.3	290.8	251.6	219.2	190.3	159.9	129.3
-67.5°	319.5	287.9	259.1	234.4	215.4	195.0	171.7	146.9	128.2	112.3	95.2
-70°	199.9	182.8	167.1	151.5	138.6	127.4	114.8	101.4	88.1	76.1	64.0
-72.5°	122.4	114.1	105.7	97.4	88.5	80.9	72.8	63.9	54.4	44.6	36.9
-75°	72.1	66.7	61.1	55.9	50.3	44.2	40.0	36.2	32.3	28.5	24.8
-77.5°	39.1	36.3	33.9	31.9	29.6	27.2	24.4	22.0	20.6	19.1	17.6
-80°	22.7	22.0	21.2	20.3	19.4	18.5	17.7	16.5	15.3	14.1	13.1
-82.5°	15.4	14.6	13.8	13.4	13.0	12.5	12.0	11.3	10.6	10.0	9.4
-85°	9.2	8.6	8.1	8.1	8.1	8.1	8.1	8.1	8.0	7.9	7.7
-87.5°	5.2	5.3	5.3	5.7	6.0	6.4	6.7	6.6	6.6	6.6	6.5
-90°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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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°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.4	4.9
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.4	4.9
82.5°	3.5	3.5	3.5	3.5	3.8	4.0	4.0	4.0	4.2	4.4	4.9
80°	4.4	4.0	3.7	3.6	4.0	4.5	4.7	4.7	4.7	4.8	5.0
77.5°	4.9	4.5	3.9	3.6	4.1	4.5	5.0	5.3	5.2	5.1	5.1
75°	5.3	5.1	4.7	4.3	4.3	4.6	5.0	5.3	5.3	5.3	5.2
72.5°	6.0	5.6	5.3	5.3	5.0	4.9	5.1	5.3	5.3	5.3	5.3
70°	6.9	6.0	5.4	5.3	5.3	5.3	5.2	5.3	5.3	5.3	5.3
67.5°	7.9	7.0	6.0	5.4	5.3	5.3	5.3	5.3	5.3	5.3	5.3
65°	10.5	8.3	6.9	6.1	5.5	5.3	5.3	5.3	5.3	5.3	5.3
62.5°	14.2	9.7	7.9	6.8	5.9	5.4	5.3	5.3	5.3	5.3	5.3
60°	19.1	13.3	9.4	8.0	6.6	5.5	5.3	5.3	5.3	5.3	5.3
57.5°	22.4	16.5	12.6	9.6	8.0	6.2	5.5	5.5	5.3	5.3	5.3
55°	23.9	17.9	14.9	11.7	9.4	7.6	6.1	5.7	5.4	5.3	5.4
52.5°	22.4	18.8	16.4	13.3	10.5	9.0	7.4	6.1	5.7	5.3	5.5
50°	18.5	18.8	17.3	14.6	11.4	9.7	8.5	7.0	6.2	5.4	5.5
47.5°	16.6	18.3	17.9	15.6	12.5	10.4	9.3	7.9	6.7	5.9	5.6
45°	17.3	17.6	18.2	16.5	13.9	11.6	9.9	8.7	7.3	6.4	5.7
42.5°	19.7	19.3	18.4	17.7	15.6	12.9	10.5	9.3	8.0	6.9	6.0
40°	26.0	22.9	19.9	19.5	17.7	14.2	11.6	9.8	8.5	7.5	6.5
37.5°	34.4	29.5	24.2	23.7	20.6	16.4	12.7	10.3	9.1	8.0	6.9
35°	60.6	39.1	37.7	33.5	26.0	18.8	13.7	11.0	9.7	8.5	7.3
32.5°	93.9	71.0	66.7	50.0	33.1	21.5	15.5	12.4	10.4	9.0	7.8
30°	157.0	150.5	108.9	71.0	44.4	28.1	18.6	14.1	11.1	9.4	8.2
27.5°	276.2	255.4	170.3	109.7	64.5	36.7	23.1	16.0	11.9	10.0	8.5
25°	412.3	373.0	273.2	161.2	87.6	58.3	28.4	18.3	13.2	10.6	8.9
22.5°	567.5	496.4	393.3	220.5	134.8	87.3	40.1	22.4	14.9	11.2	9.3
20°	722.1	626.6	520.3	295.3	194.5	127.6	60.9	26.9	16.6	11.8	9.6
17.5°	882.0	734.1	588.9	385.5	256.4	171.1	85.5	31.6	18.4	12.4	9.9
15°	1011.4	805.1	648.9	463.6	314.4	217.0	113.0	36.5	20.3	13.0	10.2
12.5°	1117.5	871.8	704.5	530.3	368.8	264.4	142.3	41.4	22.1	13.5	10.3
10°	1213.7	933.5	755.6	586.4	419.6	312.3	172.6	46.1	24.2	14.1	10.4
7.5°	1298.9	989.8	801.7	633.2	460.5	342.2	191.4	50.6	26.3	14.6	10.5
5°	1365.3	1034.6	831.2	646.9	464.6	349.8	205.5	54.8	28.3	15.0	10.6
2.5°	1388.1	1064.9	848.9	651.2	465.4	352.9	216.3	58.4	30.1	15.5	10.6
0°	1396.2	1088.1	861.0	649.7	463.0	352.1	223.6	61.6	31.7	15.8	10.6
-2.5°	1407.6	1093.0	874.6	677.0	486.6	364.7	235.5	76.8	41.4	21.2	12.5
-5°	1405.7	1090.6	882.7	698.2	506.2	374.1	244.0	91.2	50.5	26.3	14.3
-7.5°	1357.6	1063.1	875.6	710.8	521.0	380.4	249.2	104.2	58.9	31.1	16.0
-10°	1289.4	1018.1	849.5	703.5	531.4	388.4	252.4	115.8	66.4	35.2	17.5
-12.5°	1209.2	968.5	825.2	694.9	538.3	397.7	258.2	126.9	72.9	38.7	18.7
-15°	1117.4	915.2	804.8	686.5	541.8	403.8	260.0	136.3	79.2	41.8	19.6
-17.5°	1023.4	858.9	790.3	679.7	542.0	406.7	257.7	143.2	84.1	44.9	21.1
-20°	992.5	840.4	781.4	675.5	539.0	406.4	251.2	147.2	87.2	47.0	22.8



REPORT NUMBER: P731562 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	966.2	857.4	780.5	668.3	533.8	403.1	240.4	148.2	88.6	48.1	24.0
-25°	937.9	875.8	775.2	649.9	525.6	387.8	233.3	145.9	88.1	48.0	24.7
-27.5°	943.2	886.3	761.6	623.5	501.2	367.5	229.9	144.9	86.5	46.7	24.7
-30°	964.1	865.2	729.8	590.2	471.8	333.3	222.1	141.5	84.8	45.9	24.2
-32.5°	967.8	834.1	685.6	554.1	433.0	298.2	206.6	135.3	81.5	45.2	24.0
-35°	924.6	783.2	632.7	512.3	390.6	275.8	188.6	126.3	76.5	43.5	23.6
-37.5°	876.1	720.5	582.0	465.4	347.5	249.6	172.8	114.7	69.7	40.9	22.7
-40°	801.2	657.2	530.8	417.7	311.7	219.6	154.5	103.4	64.6	37.3	21.2
-42.5°	720.8	596.2	479.0	369.8	274.9	196.5	134.6	90.7	58.6	34.4	19.3
-45°	649.0	532.2	424.1	325.3	236.1	170.8	118.9	77.5	51.7	31.5	17.4
-47.5°	573.4	467.4	368.3	276.8	204.6	144.9	101.6	69.0	44.2	27.8	16.0
-50°	497.7	400.8	310.9	234.4	169.8	123.9	85.0	59.7	39.0	23.3	14.3
-52.5°	419.3	333.6	257.2	191.5	142.2	101.2	73.5	49.9	33.1	20.1	12.4
-55°	340.2	270.3	205.1	155.5	114.9	85.1	61.3	42.4	26.7	17.4	10.4
-57.5°	268.4	207.7	162.7	123.0	93.2	70.1	50.5	34.2	22.4	14.4	10.1
-60°	200.2	161.7	124.6	97.7	74.9	55.9	40.3	26.8	18.4	11.7	9.7
-62.5°	149.9	119.3	97.6	75.8	58.0	43.0	30.3	21.8	14.2	11.1	9.3
-65°	109.9	90.8	72.3	56.8	42.5	31.1	23.9	16.4	12.5	10.3	8.8
-67.5°	78.3	64.6	51.5	38.4	30.3	23.7	17.2	13.6	11.3	9.5	8.4
-70°	52.1	40.7	33.7	27.9	21.9	16.7	14.2	11.9	10.0	8.9	7.9
-72.5°	32.6	28.1	23.5	18.8	16.3	14.0	11.9	10.3	9.3	8.4	7.4
-75°	21.0	18.9	17.0	15.0	13.0	11.2	10.4	9.6	8.7	7.8	7.3
-77.5°	16.1	14.5	12.8	11.7	10.8	10.0	9.4	8.9	8.1	7.6	7.2
-80°	12.1	11.2	10.5	9.8	9.2	8.8	8.5	8.2	7.7	7.3	7.1
-82.5°	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.8
-85°	7.6	7.5	7.4	7.3	7.1	7.0	6.9	6.7	6.6	6.5	6.3
-87.5°	6.4	6.4	6.3	6.3	6.2	6.1	6.1	6.0	6.0	5.9	5.8
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.4	4.9



REPORT NUMBER: P731562 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
85°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
82.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
80°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
75°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
70°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
67.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
65°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
62.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
60°	5.3	5.3	5.3	5.3	5.3	5.3	5.3
57.5°	5.4	5.3	5.3	5.3	5.3	5.3	5.3
55°	5.5	5.3	5.3	5.3	5.3	5.3	5.3
52.5°	5.6	5.3	5.3	5.3	5.3	5.3	5.3
50°	5.8	5.5	5.3	5.3	5.3	5.3	5.3
47.5°	6.0	5.7	5.3	5.3	5.3	5.3	5.3
45°	6.0	5.8	5.3	5.3	5.3	5.3	5.3
42.5°	6.1	6.0	5.3	5.3	5.3	5.3	5.3
40°	6.2	6.3	5.4	5.3	5.3	5.3	5.3
37.5°	6.3	6.5	5.6	5.4	5.3	5.3	5.3
35°	6.4	6.6	5.7	5.4	5.3	5.3	5.3
32.5°	6.5	6.7	5.9	5.5	5.3	5.3	5.3
30°	6.9	6.8	6.1	5.6	5.3	5.3	5.3
27.5°	7.2	6.9	6.3	5.6	5.3	5.3	5.3
25°	7.5	6.9	6.5	5.7	5.3	5.3	5.3
22.5°	7.8	7.0	6.6	5.9	5.3	5.3	5.3
20°	8.1	7.0	6.7	6.0	5.3	5.3	5.3
17.5°	8.3	7.0	6.8	6.1	5.3	5.3	5.3
15°	8.4	7.0	6.9	6.2	5.3	5.3	5.3
12.5°	8.5	7.0	6.9	6.4	5.3	5.3	5.3
10°	8.6	7.0	7.0	6.5	5.3	5.3	5.3
7.5°	8.7	7.0	7.0	6.6	5.3	5.3	5.3
5°	8.8	7.0	7.0	6.8	5.3	5.3	5.3
2.5°	8.8	7.0	7.0	6.9	5.3	5.3	5.3
0°	8.8	7.0	7.0	7.0	5.3	5.3	5.3
-2.5°	9.3	7.2	7.0	7.0	5.4	5.3	5.3
-5°	9.7	7.4	7.0	7.0	5.4	5.3	5.3
-7.5°	10.1	7.6	7.0	7.0	5.5	5.3	5.3
-10°	10.4	7.7	7.0	6.9	5.6	5.3	5.3
-12.5°	10.7	7.9	7.0	6.9	5.7	5.3	5.3
-15°	10.9	8.0	7.0	6.9	5.7	5.3	5.3
-17.5°	11.1	8.1	7.0	6.9	5.8	5.3	5.3
-20°	11.5	8.1	7.0	6.9	5.8	5.3	5.3



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.4	8.1	7.0	6.8	5.9	5.3	5.3
-25°	13.1	8.2	7.0	6.8	5.9	5.3	5.3
-27.5°	13.4	8.4	7.0	6.8	5.9	5.3	5.3
-30°	13.4	8.4	7.0	6.8	5.9	5.3	5.3
-32.5°	13.1	8.3	7.1	6.8	5.9	5.3	5.3
-35°	12.9	8.1	7.2	6.9	5.9	5.3	5.3
-37.5°	12.6	7.9	7.2	6.9	5.9	5.3	5.3
-40°	12.1	8.0	7.3	7.0	5.9	5.3	5.3
-42.5°	11.4	8.1	7.3	7.0	5.8	5.3	5.3
-45°	10.5	8.1	7.3	7.0	5.8	5.3	5.3
-47.5°	9.4	8.1	7.3	7.0	5.7	5.3	5.3
-50°	9.2	8.0	7.3	6.9	5.7	5.3	5.3
-52.5°	9.0	7.9	7.2	6.7	5.6	5.3	5.3
-55°	8.9	7.8	7.2	6.6	5.5	5.3	5.3
-57.5°	8.7	7.7	7.1	6.4	5.4	5.3	5.3
-60°	8.4	7.5	7.0	6.3	5.3	5.3	5.3
-62.5°	8.1	7.3	6.8	6.1	5.3	5.3	5.3
-65°	7.8	7.1	6.7	6.0	5.3	5.3	5.3
-67.5°	7.4	6.9	6.5	5.8	5.3	5.3	5.3
-70°	7.1	6.8	6.4	5.7	5.3	5.3	5.3
-72.5°	7.0	6.7	6.3	5.6	5.3	5.3	5.3
-75°	7.0	6.6	6.1	5.6	5.3	5.3	5.3
-77.5°	7.0	6.6	6.0	5.6	5.3	5.3	5.3
-80°	7.0	6.4	5.9	5.5	5.3	5.3	5.3
-82.5°	6.6	6.1	5.7	5.5	5.3	5.3	5.3
-85°	6.2	5.8	5.6	5.4	5.3	5.3	5.3
-87.5°	5.7	5.6	5.4	5.4	5.3	5.3	5.3
-90°	5.3	5.3	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

