

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: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

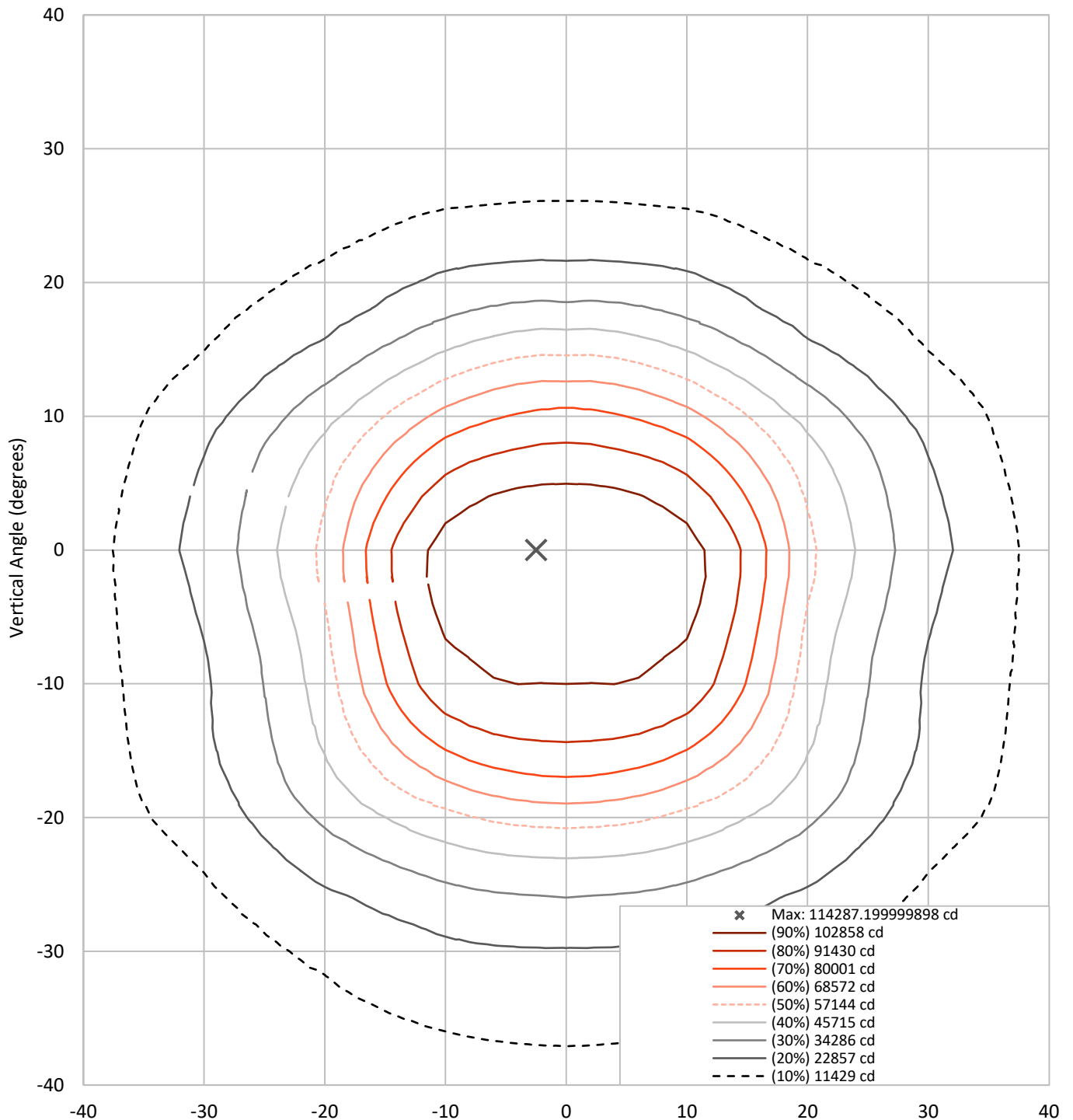
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	56403.9 lumens	Max Intensity:	114287.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	100.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	31023.3 lumens	Field Lumens:	51672.4 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

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

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Iso-Candela Plot





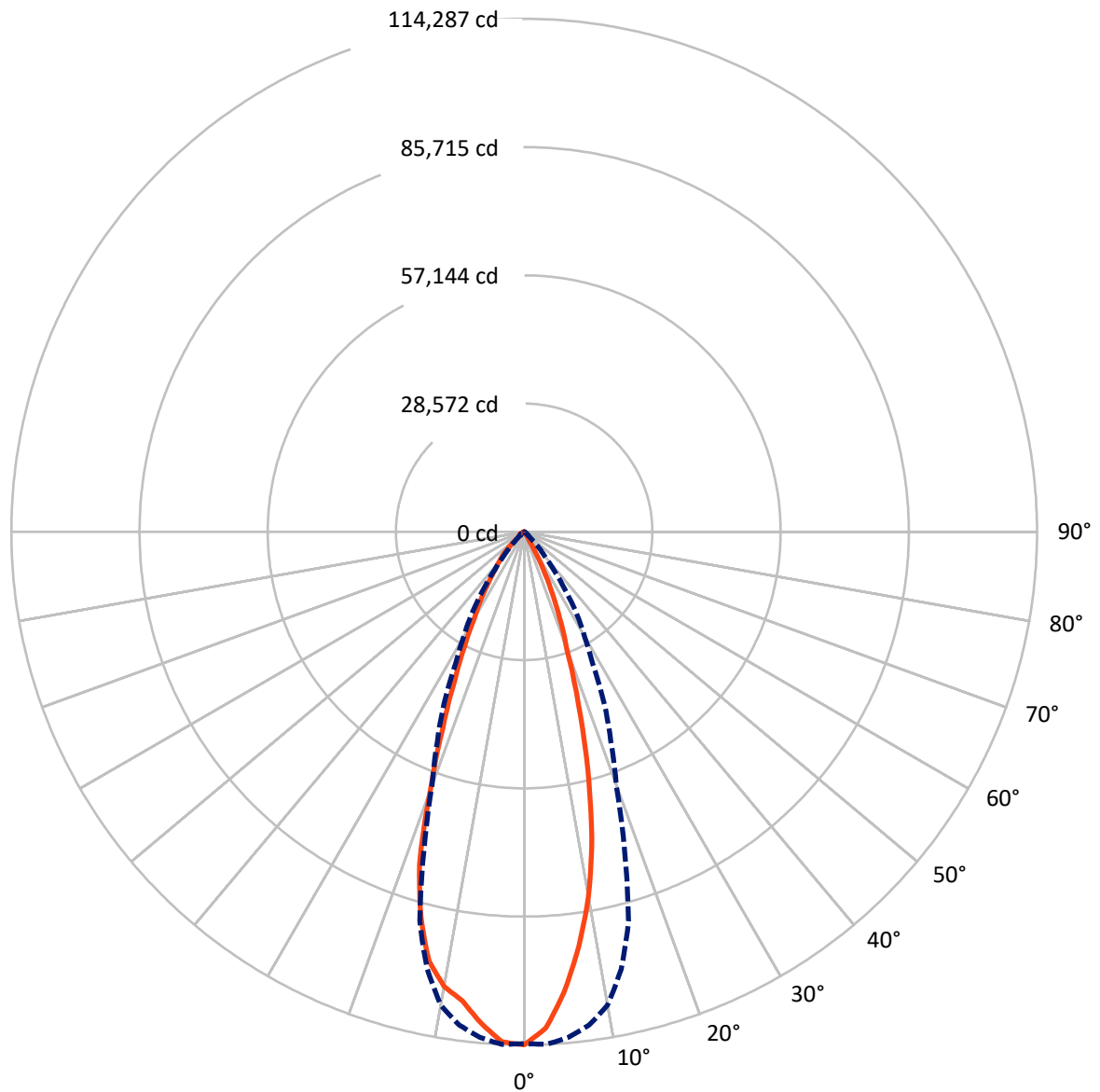
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Lumen Table

90																
80	0.1	0.4		0.5		0.5		0.4		0.5		0.5		0.4	0.1	
70																
60	0.2	0.1	0.1	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.1	0.1	0.2
50		0.1	0.2	0.6	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.6	0.2	0.1	
40	0.2	0.1	0.3	0.5	0.7	0.9	1.4	1.7	1.7	1.4	0.9	0.7	0.5	0.3	0.1	0.2
30		0.2	0.7	1.7	4.6	12.7	21.9	28.0	28.0	21.9	12.7	4.6	1.7	0.7	0.2	
20	0.2	0.3	2.5	8.6	50.1	144.0	292.6	422.5	422.5	292.6	144.0	50.1	8.6	2.5	0.3	0.2
10		0.7	5.3	28.1	178.1	522.1	1070.0	1580.8	1580.8	1070.0	522.1	178.1	28.1	5.3	0.7	
0	0.2	1.2	9.1	61.1	366.4	1046.7	2191.6	2991.2	2991.2	2191.6	1046.7	366.4	61.1	9.1	1.2	0.2
-10		2.1	12.3	73.9	383.7	1071.8	2459.6	3278.2	3278.2	2459.6	1071.8	383.7	73.9	12.3	2.1	
-20	0.3	2.4	12.7	59.3	325.8	882.5	1858.4	2559.2	2559.2	1858.4	882.5	325.8	59.3	12.7	2.4	0.3
-30		2.1	10.4	27.8	163.4	472.2	868.4	1140.3	1140.3	868.4	472.2	163.4	27.8	10.4	2.1	
-40	0.3	1.6	7.2	16.2	47.7	177.9	327.4	427.1	427.1	327.4	177.9	47.7	16.2	7.2	1.6	0.3
-50		1.0	4.3	11.5	21.1	39.5	89.0	134.2	134.2	89.0	39.5	21.1	11.5	4.3	1.0	
-60	0.2	0.5	2.2	6.4	13.4	22.1	30.3	35.1	35.1	30.3	22.1	13.4	6.4	2.2	0.5	0.2
-70		0.2	0.8	2.5	5.6	9.8	14.8	17.6	17.6	14.8	9.8	5.6	2.5	0.8	0.2	
-80																
-90	0.2	0.6		2.0		5.3		7.4		5.3		2.0		0.6	0.2	

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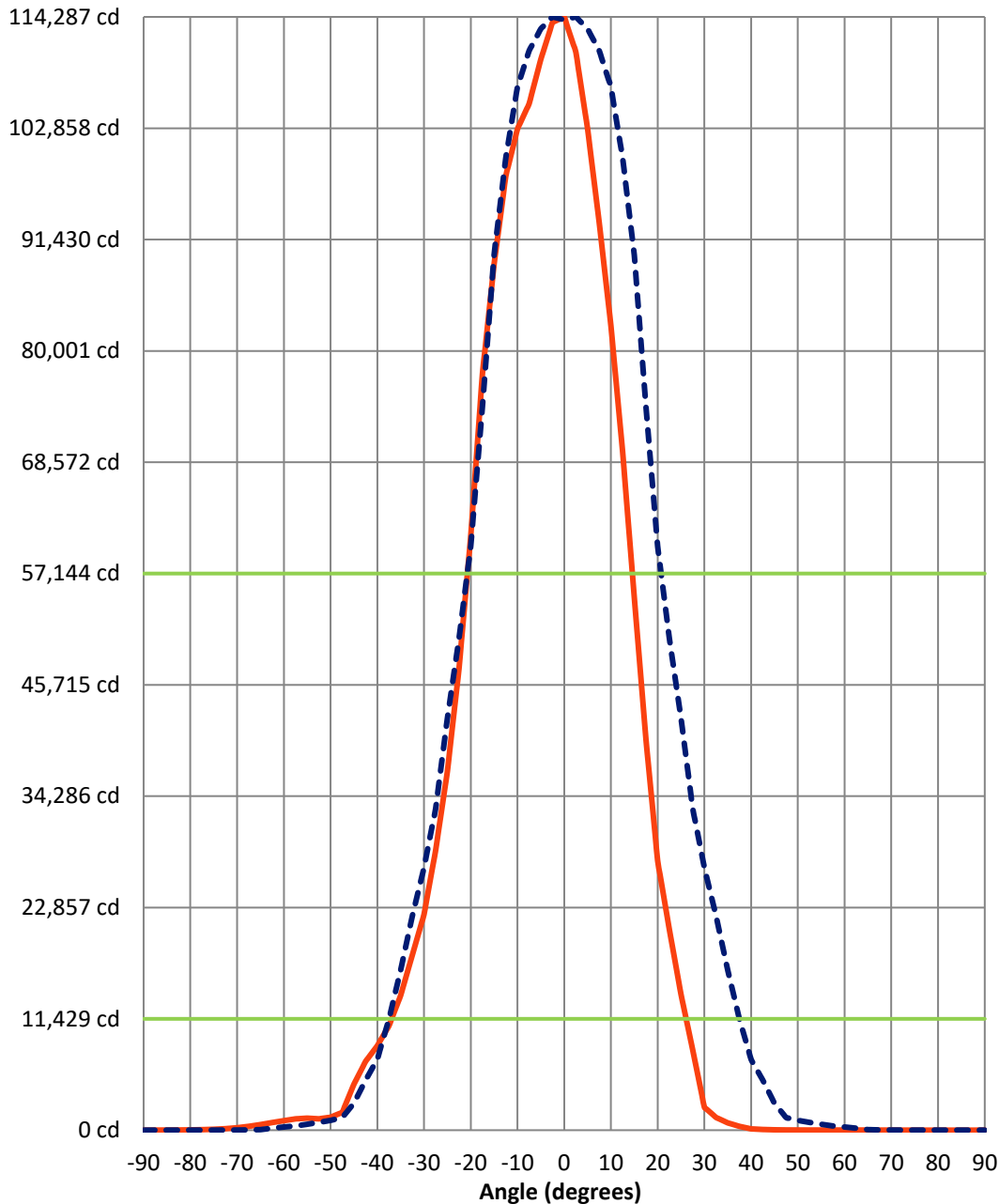
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 31023.3
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 51672.4
 Efficiency: 91.6%

Spill:
 Lumens: 4731.5
 Efficiency: 8.4%

— Vertical Distribution through -2.5-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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.1	6.9
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	7.2	7.4	7.3	7.4
67.5°	6.7	6.7	6.7	6.7	6.7	6.7	7.1	7.6	7.7	7.7	7.9
65°	6.7	6.7	6.7	6.7	6.7	6.9	7.5	8.0	7.9	8.1	8.3
62.5°	6.7	6.7	6.7	6.7	6.7	7.2	7.9	8.2	8.1	8.3	8.3
60°	6.7	6.7	6.7	6.7	6.7	7.5	8.3	8.3	8.3	8.3	8.3
57.5°	6.7	6.7	6.7	6.7	6.9	7.8	8.3	8.3	8.3	8.3	8.3
55°	6.7	6.7	6.7	6.7	7.2	8.1	8.3	8.3	8.3	8.3	8.3
52.5°	6.7	6.7	6.7	6.7	7.4	8.3	8.3	8.3	8.3	8.3	8.3
50°	6.7	6.7	6.7	6.7	7.6	8.3	8.3	8.3	8.3	8.3	8.8
47.5°	6.7	6.7	6.7	6.7	7.8	8.3	8.3	8.3	8.3	8.3	9.4
45°	6.7	6.7	6.7	6.9	8.0	8.3	8.3	8.3	8.4	8.8	9.9
42.5°	6.7	6.7	6.7	7.0	8.2	8.3	8.3	8.4	8.5	9.2	10.4
40°	6.7	6.7	6.7	7.2	8.3	8.3	8.3	8.5	8.7	9.7	10.9
37.5°	6.7	6.7	6.7	7.3	8.3	8.3	8.3	8.7	9.2	10.3	11.4
35°	6.7	6.7	6.7	7.3	8.3	8.3	8.3	8.9	9.7	10.9	11.9
32.5°	6.7	6.7	6.7	7.4	8.3	8.3	8.4	9.1	10.2	11.5	12.7
30°	6.7	6.7	6.7	7.4	8.3	8.3	8.5	9.4	10.6	12.2	13.6
27.5°	6.7	6.7	6.7	7.4	8.2	8.3	8.7	9.8	11.1	12.9	14.7
25°	6.7	6.7	6.7	7.4	8.2	8.3	8.9	10.1	11.7	13.8	16.0
22.5°	6.7	6.7	6.7	7.4	8.2	8.3	9.1	10.4	12.2	14.7	18.8
20°	6.7	6.7	6.7	7.4	8.2	8.3	9.3	10.8	12.8	15.7	21.7
17.5°	6.7	6.7	6.7	7.3	8.2	8.3	9.5	11.1	13.4	16.7	24.6
15°	6.7	6.7	6.7	7.3	8.2	8.3	9.6	11.3	14.0	17.8	27.5
12.5°	6.7	6.7	6.7	7.2	8.2	8.3	9.8	11.4	14.5	18.8	30.3
10°	6.7	6.7	6.7	7.1	8.2	8.3	9.8	11.5	15.0	20.3	34.1
7.5°	6.7	6.7	6.7	7.0	8.3	8.3	9.9	11.6	15.5	22.0	40.2
5°	6.7	6.7	6.7	6.9	8.3	8.3	10.0	11.7	15.9	23.6	46.5
2.5°	6.7	6.7	6.7	6.8	8.3	8.3	10.0	11.7	16.4	25.2	52.6
0°	6.7	6.7	6.7	6.7	8.3	8.3	10.0	11.7	16.4	25.2	52.6
-2.5°	6.7	6.7	6.7	6.8	8.3	8.7	10.7	13.3	21.2	36.5	75.4
-5°	6.7	6.7	6.7	6.9	8.3	9.0	11.3	14.8	25.4	45.9	91.4
-7.5°	6.7	6.7	6.7	7.0	8.3	9.4	11.9	16.2	29.3	54.5	105.9
-10°	6.7	6.7	6.7	7.1	8.2	9.7	12.4	17.4	32.7	62.1	118.5
-12.5°	6.7	6.7	6.7	7.2	8.2	9.9	12.9	18.5	35.5	68.5	127.3
-15°	6.7	6.7	6.7	7.3	8.2	10.1	13.3	19.5	38.2	74.0	133.3
-17.5°	6.7	6.7	6.7	7.3	8.2	10.3	13.7	20.8	40.9	78.1	137.3
-20°	6.7	6.7	6.7	7.4	8.2	10.3	14.1	22.3	42.6	80.5	139.2



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.7	6.7	6.7	7.4	8.2	10.3	14.6	23.3	43.3	81.3	138.8
-25°	6.7	6.7	6.7	7.4	8.2	10.3	14.9	23.9	42.9	80.2	135.9
-27.5°	6.7	6.7	6.7	7.4	8.2	10.2	14.9	24.0	41.2	78.2	134.4
-30°	6.7	6.7	6.7	7.4	8.3	10.0	14.7	23.4	40.3	76.2	130.4
-32.5°	6.7	6.7	6.7	7.4	8.4	9.7	14.1	23.1	39.7	72.6	123.9
-35°	6.7	6.7	6.7	7.3	8.5	9.4	13.7	22.4	38.3	67.2	114.7
-37.5°	6.7	6.7	6.7	7.3	8.5	9.2	13.3	21.4	36.1	60.0	101.2
-40°	6.7	6.7	6.7	7.2	8.6	9.3	12.8	19.9	33.0	55.2	88.7
-42.5°	6.7	6.7	6.7	7.0	8.5	9.3	12.1	17.9	30.2	49.5	75.4
-45°	6.7	6.7	6.7	6.9	8.4	9.3	11.4	16.2	27.5	43.2	62.6
-47.5°	6.7	6.7	6.7	6.8	8.2	9.3	10.6	15.2	24.1	36.5	55.0
-50°	6.7	6.7	6.7	6.8	8.0	9.2	10.4	14.0	19.9	31.7	47.0
-52.5°	6.7	6.7	6.7	6.9	7.9	9.2	10.2	12.8	17.4	26.5	38.7
-55°	6.7	6.7	6.7	6.9	7.7	9.0	10.1	11.5	15.6	20.9	32.3
-57.5°	6.7	6.7	6.7	6.9	7.5	8.7	9.9	11.2	13.7	17.9	25.5
-60°	6.7	6.7	6.7	6.9	7.3	8.4	9.6	10.8	12.0	15.5	19.7
-62.5°	6.7	6.7	6.7	7.0	7.3	8.2	9.3	10.4	11.6	13.1	16.9
-65°	6.7	6.7	6.7	7.0	7.4	7.9	8.9	10.0	11.1	12.1	13.9
-67.5°	6.7	6.7	6.7	7.0	7.4	7.8	8.6	9.6	10.6	11.6	12.6
-70°	6.7	6.7	6.7	7.0	7.4	7.8	8.2	9.2	10.1	11.1	12.0
-72.5°	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.7	9.6	10.5	11.4
-75°	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.1	9.9	10.7
-77.5°	6.7	6.7	6.7	6.9	7.4	7.9	8.2	8.5	8.8	9.4	10.1
-80°	6.7	6.7	6.7	6.9	7.2	7.7	8.3	8.4	8.6	8.9	9.4
-82.5°	6.7	6.7	6.7	6.9	7.1	7.5	7.9	8.1	8.3	8.5	8.7
-85°	6.7	6.7	6.7	6.8	7.0	7.2	7.5	7.7	7.8	7.9	8.1
-87.5°	6.7	6.7	6.7	6.8	6.8	7.0	7.1	7.2	7.2	7.3	7.4
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.7	6.7	6.7	6.7	6.3	5.9	5.4	5.0	5.0	5.0	5.0
87.5°	6.5	6.3	6.1	6.0	5.8	5.5	5.3	5.0	4.6	4.2	3.7
85°	6.7	6.7	6.7	6.7	6.3	5.9	5.4	5.0	4.8	4.6	4.5
82.5°	6.7	6.7	6.7	6.7	6.3	5.9	5.5	5.0	5.0	5.0	5.0
80°	6.7	6.7	6.7	6.7	6.3	5.9	5.5	5.1	5.0	5.1	5.1
77.5°	6.7	6.7	6.7	6.7	6.4	6.1	6.0	5.9	5.9	5.8	5.5
75°	6.7	6.7	6.8	6.8	6.6	6.6	6.7	6.7	6.4	6.0	5.6
72.5°	7.0	7.2	7.1	6.9	6.7	6.7	6.7	6.7	6.9	7.0	6.9
70°	7.6	7.7	7.4	7.0	6.7	6.9	7.6	8.5	9.3	9.2	9.1
67.5°	8.2	7.8	7.4	7.1	7.3	8.1	9.2	10.5	11.8	11.8	12.2
65°	8.3	7.9	7.7	7.8	8.2	9.7	11.2	12.7	16.2	18.5	19.5
62.5°	8.3	8.1	8.1	8.7	10.0	11.6	13.9	17.9	23.5	26.5	25.6
60°	8.3	8.2	8.9	10.1	11.6	13.2	16.8	22.3	29.6	34.9	31.8
57.5°	8.3	8.7	9.9	11.2	12.4	13.8	18.7	25.6	34.2	43.4	37.7
55°	8.5	9.5	10.7	12.0	13.1	14.3	19.5	27.4	37.0	42.6	37.1
52.5°	9.2	10.2	11.4	12.6	13.9	15.2	19.0	26.6	32.3	36.6	33.9
50°	9.8	10.8	12.0	13.3	14.8	16.2	16.9	23.0	27.6	29.5	29.4
47.5°	10.5	11.5	12.5	14.1	15.9	17.2	17.1	20.2	23.5	25.7	23.9
45°	11.1	12.2	13.2	15.3	17.3	18.5	19.4	18.7	24.0	25.5	24.5
42.5°	11.6	12.7	14.7	16.7	19.2	21.9	23.4	25.3	28.0	30.6	30.0
40°	12.2	13.3	16.7	20.7	22.5	27.5	32.5	35.5	36.6	39.0	38.9
37.5°	12.7	15.5	20.6	28.9	29.0	36.5	43.6	50.7	52.8	48.9	55.4
35°	13.1	17.8	31.2	41.1	42.7	48.5	60.2	71.0	77.4	73.7	79.8
32.5°	14.7	20.4	45.0	55.4	65.7	70.9	79.3	102.6	124.9	131.7	119.9
30°	17.3	33.0	60.6	71.0	95.4	111.4	116.5	147.8	194.5	235.4	316.1
27.5°	20.6	48.4	75.3	97.4	132.5	161.3	174.0	225.2	305.1	413.0	645.0
25°	24.1	64.6	90.9	130.9	181.0	214.6	235.2	307.4	441.6	786.0	1219.7
22.5°	32.6	81.1	110.6	168.2	235.8	264.9	308.5	406.9	632.1	1204.5	1924.1
20°	45.8	96.8	138.6	205.1	294.5	313.0	376.1	502.3	892.8	1760.0	2624.4
17.5°	58.8	114.4	169.3	248.6	339.7	377.0	441.6	589.3	1111.6	2456.1	3533.6
15°	71.4	133.5	198.2	292.8	392.5	466.1	565.1	784.9	1529.7	3280.2	4737.2
12.5°	83.3	153.6	225.3	336.7	453.6	560.6	706.7	1104.0	2275.5	4243.0	6417.7
10°	94.5	174.0	250.4	379.6	520.5	658.5	853.3	1453.0	3029.2	5080.9	7748.4
7.5°	120.3	205.2	278.5	420.6	590.5	757.5	1001.3	1816.1	3709.4	5789.9	8860.2
5°	149.0	247.3	332.2	484.9	664.2	850.7	1137.0	2175.8	4305.8	6374.0	9861.8
2.5°	177.1	288.0	384.5	548.8	734.9	931.8	1220.9	2489.4	4773.8	6868.2	10726.0
0°	203.2	326.4	434.7	607.9	799.4	1006.0	1292.4	2763.1	5129.8	7268.3	11407.1
-2.5°	235.2	367.6	490.3	664.2	821.1	1008.2	1293.5	2662.0	5207.2	7646.3	11151.6
-5°	262.8	405.1	541.9	715.3	840.4	1005.1	1283.1	2507.6	5164.5	7848.8	10945.6
-7.5°	285.1	438.5	588.5	756.1	858.2	1015.4	1308.2	2541.7	5093.3	7848.7	10816.4
-10°	297.9	448.0	588.8	753.8	869.8	1028.6	1325.2	2481.6	4876.3	7686.2	10553.8
-12.5°	286.4	436.2	576.6	744.0	877.0	1031.2	1319.7	2311.7	4510.4	7354.9	10226.0
-15°	272.8	422.1	559.3	725.9	879.7	1022.2	1289.0	2020.5	3910.7	6641.3	9830.7
-17.5°	257.6	405.8	536.8	698.8	877.5	1000.7	1214.0	1559.8	3134.5	5644.3	8923.5
-20°	241.4	387.9	508.7	662.2	865.5	951.1	1100.1	1383.8	2473.0	4526.6	7497.1



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	224.8	368.5	479.5	626.2	795.5	891.2	993.6	1197.9	1748.5	3270.2	5652.9
-25°	215.4	343.9	454.0	578.7	723.8	835.4	886.5	1015.1	1290.8	2400.7	4127.0
-27.5°	211.1	320.5	422.6	529.7	658.3	776.9	814.4	897.6	1103.5	1548.6	2787.9
-30°	203.7	288.8	388.1	482.9	601.0	706.7	761.6	814.3	945.8	1186.4	1872.8
-32.5°	187.6	256.6	351.0	442.5	544.5	647.0	729.6	780.1	862.9	988.6	1216.2
-35°	167.7	232.8	313.2	398.9	488.8	591.7	684.8	758.8	798.9	885.5	1037.9
-37.5°	149.5	207.0	275.3	354.9	438.6	533.9	636.4	717.1	776.0	817.4	926.7
-40°	130.4	179.3	242.9	313.6	388.9	476.1	570.4	664.2	738.7	800.7	849.2
-42.5°	110.8	157.0	210.7	273.0	344.3	420.6	501.6	593.7	686.2	766.8	828.0
-45°	95.6	133.8	178.0	237.7	300.5	367.2	440.5	516.7	616.1	707.5	783.6
-47.5°	79.8	111.5	152.1	201.6	259.3	318.6	380.5	456.7	539.2	629.4	716.4
-50°	65.3	93.7	126.2	170.8	220.2	272.6	327.6	397.3	473.4	550.3	629.9
-52.5°	55.7	75.3	105.4	140.4	184.0	230.8	281.6	341.0	408.5	478.8	549.3
-55°	45.7	62.7	85.0	114.5	148.7	190.7	238.4	290.0	343.0	407.1	470.4
-57.5°	36.9	51.3	68.9	90.8	119.1	150.6	194.8	240.9	289.4	339.0	391.7
-60°	28.7	40.6	55.5	72.5	92.0	119.8	151.4	191.1	234.3	277.8	322.2
-62.5°	21.0	30.7	42.8	56.9	73.0	90.5	116.0	146.0	178.3	214.5	251.7
-65°	17.6	21.9	30.6	42.3	55.3	70.5	87.1	104.9	131.2	157.0	182.8
-67.5°	14.0	17.7	21.8	27.6	38.6	50.6	63.4	78.5	94.3	108.8	125.6
-70°	12.8	13.8	16.7	20.5	24.8	31.4	42.1	53.3	64.6	75.6	87.8
-72.5°	12.1	12.7	13.6	14.7	17.9	21.8	26.2	31.0	38.3	46.9	55.5
-75°	11.3	11.7	12.2	13.0	13.9	15.0	16.5	20.0	23.8	27.6	31.1
-77.5°	10.5	10.8	11.1	11.4	11.8	12.5	13.3	14.2	15.5	17.0	18.6
-80°	9.7	10.0	10.2	10.5	10.5	10.6	10.8	11.1	11.5	12.1	12.9
-82.5°	8.9	9.1	9.3	9.5	9.3	9.1	8.8	8.7	9.0	9.3	9.6
-85°	8.2	8.3	8.4	8.5	8.3	8.0	7.7	7.4	7.5	7.6	7.6
-87.5°	7.4	7.5	7.6	7.6	7.3	6.9	6.6	6.2	6.3	6.3	6.3
-90°	6.3	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.7



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.0	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	7.5	8.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	2.5
85°	4.4	4.2	3.9	3.6	3.3	3.3	3.3	3.3	3.3	2.9	2.5
82.5°	5.0	4.6	4.2	3.8	3.3	3.3	3.3	3.3	3.3	2.9	2.5
80°	5.0	4.8	4.6	4.4	4.4	4.2	4.0	3.7	3.3	2.9	2.5
77.5°	5.1	5.0	5.0	5.0	5.0	4.7	4.2	3.8	3.4	2.9	2.5
75°	5.2	5.1	5.2	5.2	5.1	4.9	4.7	4.7	4.7	4.4	4.1
72.5°	6.6	6.3	6.2	6.0	5.8	5.7	5.6	5.4	5.1	4.9	4.9
70°	8.9	8.8	8.6	8.3	8.0	7.6	7.4	7.0	6.5	6.4	6.5
67.5°	13.1	13.4	13.2	12.6	11.4	10.2	9.6	8.9	8.2	8.1	8.7
65°	19.2	16.8	15.3	14.0	12.8	11.9	11.2	10.6	9.9	10.1	11.5
62.5°	22.8	17.9	15.3	14.3	13.7	13.1	12.2	11.6	11.3	11.6	12.7
60°	26.5	19.2	14.3	13.4	12.6	11.8	11.7	11.7	11.7	11.8	12.4
57.5°	28.4	19.7	13.2	12.8	12.3	11.9	11.9	12.0	11.9	11.7	12.2
55°	27.8	19.8	13.6	13.0	12.9	13.0	13.1	12.4	12.0	11.7	12.2
52.5°	25.3	19.1	14.6	13.4	13.4	12.8	11.8	12.3	13.0	13.6	14.2
50°	22.5	18.0	15.7	14.6	14.6	14.7	14.7	15.6	16.4	16.9	17.6
47.5°	20.7	18.0	17.9	17.6	18.1	19.0	19.4	20.3	22.8	24.1	24.7
45°	20.9	22.1	23.0	23.9	23.8	28.5	31.9	33.8	36.0	38.0	39.7
42.5°	28.2	31.4	34.4	38.7	41.3	49.1	53.2	48.2	58.8	68.0	70.1
40°	43.2	47.9	58.1	69.5	83.2	89.1	116.9	118.1	130.2	160.2	169.9
37.5°	65.7	79.0	114.6	144.8	192.7	221.2	256.4	290.2	317.4	345.3	364.4
35°	102.4	170.5	224.2	318.2	382.6	415.0	456.9	506.9	528.1	615.9	683.0
32.5°	218.9	341.1	486.8	561.9	646.3	710.9	701.9	909.8	990.0	1122.0	1229.3
30°	404.4	696.6	1087.8	1087.8	1072.7	1428.4	1558.6	1827.2	2102.7	2286.2	2724.9
27.5°	935.1	1554.9	2174.5	2187.1	2455.5	3198.3	3621.3	3748.5	4943.6	5711.1	6758.0
25°	1723.1	2743.2	3598.0	3995.8	4793.2	6003.3	6719.7	7574.0	9357.7	11390.2	12673.4
22.5°	2566.2	3653.4	4937.9	5843.7	7371.8	8928.6	10231.5	12116.4	14513.8	16781.9	18316.4
20°	3200.8	4478.1	6292.3	8195.0	10130.9	12082.5	14106.3	16696.5	19941.8	22703.6	25199.7
17.5°	4494.9	5845.4	8300.8	10888.7	13516.1	15601.2	18797.3	21903.7	25857.5	29865.1	32969.2
15°	6409.8	8586.7	11043.2	14400.3	18095.7	21286.4	24675.1	30126.7	34936.7	40087.5	44689.6
12.5°	8867.0	11752.2	15007.6	18868.3	23711.7	28718.9	33887.2	39641.3	45932.6	52119.6	58687.4
10°	11161.4	15126.6	19329.6	24080.0	29622.7	35946.0	42260.8	48780.6	57522.8	65446.3	72469.4
7.5°	12745.4	17415.6	22574.2	28380.5	35221.9	41947.3	49080.4	57945.3	68158.5	77143.1	84340.5
5°	14167.9	19459.9	24610.8	30480.5	38434.6	46121.7	54550.0	65339.8	76966.0	86818.7	93991.7
2.5°	15406.4	21101.2	26103.5	32016.8	40749.8	48747.8	57951.3	70810.3	84354.4	94223.4	101791.9
0°	16425.2	21983.0	26947.9	33038.7	42272.3	50509.9	59951.6	74251.7	89842.5	99812.2	107087.2
-2.5°	15438.9	20480.7	25381.5	31550.7	40855.6	49292.1	59497.0	74042.6	89343.2	100096.2	107607.8
-5°	14693.9	19298.1	23950.4	30054.8	38238.9	46061.7	55637.6	70596.8	86701.3	97566.2	105166.8
-7.5°	14116.5	18134.7	22364.6	27985.6	35472.3	43767.8	54035.2	68468.4	83686.0	94674.6	101561.5
-10°	13487.0	16939.0	21548.9	27214.3	34494.7	42403.3	51524.5	64875.9	80251.7	90824.4	98890.6
-12.5°	13295.3	16940.1	21583.5	26502.7	33199.5	40794.2	49490.4	60862.9	72648.2	83734.9	90808.7
-15°	12986.1	16684.9	21229.2	25855.9	31927.1	39241.6	46501.1	54905.5	64755.9	72766.8	80156.3
-17.5°	12379.9	15934.2	19349.3	23672.6	29581.6	36362.5	41863.1	48472.6	55579.5	61688.2	67262.0
-20°	10928.5	13345.8	16582.6	20659.4	25723.2	31214.0	36222.3	40991.0	45558.2	50211.9	53435.7



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8362.4	10683.6	13397.4	16783.9	20798.2	25583.4	30009.2	33239.0	36872.0	40223.0	42978.1
-25°	6115.3	7816.0	10349.0	13238.6	15858.3	19691.0	23087.6	25268.8	28457.7	30962.8	33347.6
-27.5°	4422.3	6087.8	8153.4	10436.7	12400.9	14460.0	17458.3	19541.1	22049.3	23970.2	25959.3
-30°	3018.4	4852.6	6756.2	8623.9	10118.2	11673.7	13335.3	15389.9	17403.3	19017.1	20454.2
-32.5°	2093.6	3422.6	5283.0	7023.1	8373.6	9559.7	10651.5	12212.3	13719.0	15032.6	16109.6
-35°	1282.6	2225.2	3513.6	5170.7	6598.3	7738.1	8745.0	9739.2	10703.1	11691.4	12524.1
-37.5°	1085.2	1310.1	2113.0	3254.0	4614.0	5882.4	6868.7	7689.6	8417.2	9169.4	9761.5
-40°	959.0	1093.6	1295.1	1712.5	2758.5	3813.0	4876.4	5759.9	6560.1	7227.1	7745.5
-42.5°	875.7	965.8	1063.9	1227.6	1421.5	1938.4	2853.0	3744.6	4612.6	5340.5	5950.6
-45°	849.9	895.1	948.2	1035.8	1116.1	1273.3	1443.1	1618.9	2309.1	3041.3	3686.5
-47.5°	791.2	863.6	911.7	949.3	994.1	1065.2	1130.4	1213.4	1372.0	1529.2	1657.6
-50°	713.2	792.4	858.9	923.4	968.9	1000.0	1023.7	1066.8	1129.9	1191.3	1240.9
-52.5°	618.8	695.5	772.9	851.3	916.0	975.8	1032.0	1071.0	1100.5	1125.6	1138.5
-55°	532.9	597.1	661.7	740.6	818.8	893.9	965.9	1027.4	1084.7	1138.2	1168.6
-57.5°	449.1	504.4	562.0	632.5	702.0	770.2	840.1	911.0	980.3	1045.1	1082.6
-60°	369.1	418.2	470.4	527.3	587.6	650.5	710.8	770.9	830.5	883.3	914.3
-62.5°	290.9	332.2	374.6	419.6	467.0	516.7	566.6	617.2	667.6	710.0	736.2
-65°	211.3	244.9	277.4	310.3	343.6	381.2	420.7	459.3	496.4	525.6	544.6
-67.5°	147.8	169.5	189.3	208.7	232.3	259.1	287.5	315.2	341.8	361.9	375.4
-70°	100.3	112.4	123.3	136.0	151.4	167.3	184.1	200.1	215.4	227.1	236.1
-72.5°	64.0	72.1	79.8	88.5	96.8	106.0	115.6	124.7	133.3	139.3	144.0
-75°	34.6	38.9	45.2	51.2	56.8	63.4	70.2	76.7	82.7	85.8	87.9
-77.5°	21.2	24.1	26.8	29.4	31.9	35.5	39.5	43.5	47.5	49.3	50.7
-80°	13.9	15.2	16.6	18.0	19.4	21.6	23.8	26.1	28.2	29.0	29.4
-82.5°	9.8	10.3	10.8	11.3	11.9	13.2	14.7	16.1	17.6	18.6	19.6
-85°	7.7	7.8	7.9	7.9	8.0	8.8	9.6	10.4	11.3	11.9	12.3
-87.5°	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.7	6.7	7.1	7.5
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	2.5



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.2	10.0	9.2	8.3	9.2	10.0	9.2	8.3	7.5	6.7	6.3
87.5°	2.1	1.7	0.9	0.0	0.9	1.7	2.1	2.5	2.9	3.3	3.3
85°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
82.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
80°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.7
77.5°	2.1	1.7	2.5	3.3	2.5	1.7	2.1	2.5	2.9	3.4	3.8
75°	3.7	3.3	3.3	3.3	3.3	3.3	3.7	4.1	4.4	4.7	4.7
72.5°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	5.1	5.4
70°	6.6	6.6	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.5	7.0
67.5°	9.2	9.8	10.0	10.0	10.0	9.8	9.2	8.7	8.1	8.2	8.9
65°	13.0	14.5	14.2	13.3	14.2	14.5	13.0	11.5	10.1	9.9	10.6
62.5°	13.8	14.8	15.0	15.0	15.0	14.8	13.8	12.7	11.6	11.3	11.6
60°	12.8	13.3	13.3	13.3	13.3	13.3	12.8	12.4	11.8	11.7	11.7
57.5°	12.7	13.2	13.3	13.3	13.3	13.2	12.7	12.2	11.7	11.9	12.0
55°	12.6	13.1	13.3	13.3	13.3	13.1	12.6	12.2	11.7	12.0	12.4
52.5°	14.6	14.9	15.0	15.0	15.0	14.9	14.6	14.2	13.6	13.0	12.3
50°	18.5	19.4	18.8	16.7	18.8	19.4	18.5	17.6	16.9	16.4	15.6
47.5°	24.7	23.8	23.2	23.3	23.2	23.8	24.7	24.7	24.1	22.8	20.3
45°	40.2	39.9	39.6	40.0	39.6	39.9	40.2	39.7	38.0	36.0	33.8
42.5°	72.6	72.8	71.7	70.0	71.7	72.8	72.6	70.1	68.0	58.8	48.2
40°	169.5	155.4	136.2	124.9	136.2	155.4	169.5	169.9	160.2	130.2	118.1
37.5°	381.8	392.9	393.9	386.4	393.9	392.9	381.8	364.4	345.3	317.4	290.2
35°	725.5	751.4	752.9	739.5	752.9	751.4	725.5	683.0	615.9	528.1	506.9
32.5°	1227.7	1286.1	1308.0	1302.4	1308.0	1286.1	1227.7	1229.3	1122.0	990.0	909.8
30°	2520.9	2538.4	2358.9	2030.3	2358.9	2538.4	2520.9	2724.9	2286.2	2102.7	1827.2
27.5°	7325.9	8002.1	8247.4	8139.3	8247.4	8002.1	7325.9	6758.0	5711.1	4943.6	3748.5
25°	13041.9	13487.4	13932.1	13983.6	13932.1	13487.4	13041.9	12673.4	11390.2	9357.7	7574.0
22.5°	19379.2	20012.3	20613.2	20475.8	20613.2	20012.3	19379.2	18316.4	16781.9	14513.8	12116.4
20°	26785.1	27221.7	27665.2	27174.4	27665.2	27221.7	26785.1	25199.7	22703.6	19941.8	16696.5
17.5°	36220.6	38276.4	40101.5	39276.0	40101.5	38276.4	36220.6	32969.2	29865.1	25857.5	21903.7
15°	49022.8	52601.0	54699.7	54588.7	54699.7	52601.0	49022.8	44689.6	40087.5	34936.7	30126.7
12.5°	63775.5	67514.8	69656.6	69213.6	69656.6	67514.8	63775.5	58687.4	52119.6	45932.6	39641.3
10°	77085.6	80022.0	82566.8	83563.6	82566.8	80022.0	77085.6	72469.4	65446.3	57522.8	48780.6
7.5°	88841.8	91029.6	93152.3	93531.6	93152.3	91029.6	88841.8	84340.5	77143.1	68158.5	57945.3
5°	98519.6	101619.1	102819.0	103294.8	102819.0	101619.1	98519.6	93991.7	86818.7	76966.0	65339.8
2.5°	106330.2	109165.5	110666.4	110223.4	110666.4	109165.5	106330.2	101791.9	94223.4	84354.4	70810.3
0°	110817.1	113061.4	114287.2	113994.1	114287.2	113061.4	110817.1	107087.2	99812.2	89842.5	74251.7
-2.5°	111259.3	112768.5	113727.3	113351.2	113727.3	112768.5	111259.3	107607.8	100096.2	89343.2	74042.6
-5°	108199.5	109427.6	109931.4	110146.7	109931.4	109427.6	108199.5	105166.8	97566.2	86701.3	70596.8
-7.5°	103983.6	105633.3	105382.3	105816.4	105382.3	105633.3	103983.6	101561.5	94674.6	83686.0	68468.4
-10°	101472.5	102995.1	102774.6	102891.8	102774.6	102995.1	101472.5	98890.6	90824.4	80251.7	64875.9
-12.5°	95380.0	97590.6	97929.9	98310.8	97929.9	97590.6	95380.0	90808.7	83734.9	72648.2	60862.9
-15°	85006.5	87435.4	88904.1	89234.6	88904.1	87435.4	85006.5	80156.3	72766.8	64755.9	54905.5
-17.5°	71896.0	75255.1	77616.7	78165.6	77616.7	75255.1	71896.0	67262.0	61688.2	55579.5	48472.6
-20°	57372.7	59777.3	61000.9	61660.5	61000.9	59777.3	57372.7	53435.7	50211.9	45558.2	40991.0



REPORT NUMBER: P731587 (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°	45157.5	46745.6	47427.3	47538.6	47427.3	46745.6	45157.5	42978.1	40223.0	36872.0	33239.0
-25°	35278.9	36361.3	36825.2	37510.6	36825.2	36361.3	35278.9	33347.6	30962.8	28457.7	25268.8
-27.5°	27377.6	28329.4	28753.7	29384.6	28753.7	28329.4	27377.6	25959.3	23970.2	22049.3	19541.1
-30°	21423.5	21996.8	22139.9	22171.2	22139.9	21996.8	21423.5	20454.2	19017.1	17403.3	15389.9
-32.5°	16946.0	17591.7	17977.3	18149.0	17977.3	17591.7	16946.0	16109.6	15032.6	13719.0	12212.3
-35°	13147.7	13573.3	13826.6	14111.9	13826.6	13573.3	13147.7	12524.1	11691.4	10703.1	9739.2
-37.5°	10221.9	10537.5	10712.1	10770.8	10712.1	10537.5	10221.9	9761.5	9169.4	8417.2	7689.6
-40°	8159.1	8472.5	8660.6	8689.0	8660.6	8472.5	8159.1	7745.5	7227.1	6560.1	5759.9
-42.5°	6414.1	6804.6	7057.1	7115.1	7057.1	6804.6	6414.1	5950.6	5340.5	4612.6	3744.6
-45°	4158.3	4521.7	4714.0	4701.7	4714.0	4521.7	4158.3	3686.5	3041.3	2309.1	1618.9
-47.5°	1739.8	1798.4	1823.5	1815.4	1823.5	1798.4	1739.8	1657.6	1529.2	1372.0	1213.4
-50°	1280.1	1313.3	1331.5	1335.7	1331.5	1313.3	1280.1	1240.9	1191.3	1129.9	1066.8
-52.5°	1149.5	1161.7	1166.0	1165.9	1166.0	1161.7	1149.5	1138.5	1125.6	1100.5	1071.0
-55°	1196.7	1223.5	1234.0	1234.1	1234.0	1223.5	1196.7	1168.6	1138.2	1084.7	1027.4
-57.5°	1116.6	1146.7	1160.6	1164.2	1160.6	1146.7	1116.6	1082.6	1045.1	980.3	911.0
-60°	942.1	966.3	976.9	979.3	976.9	966.3	942.1	914.3	883.3	830.5	770.9
-62.5°	758.5	776.9	782.5	781.1	782.5	776.9	758.5	736.2	710.0	667.6	617.2
-65°	560.6	573.2	574.2	569.6	574.2	573.2	560.6	544.6	525.6	496.4	459.3
-67.5°	386.2	394.2	394.6	391.4	394.6	394.2	386.2	375.4	361.9	341.8	315.2
-70°	243.6	249.8	250.1	248.2	250.1	249.8	243.6	236.1	227.1	215.4	200.1
-72.5°	148.1	151.4	154.4	156.6	154.4	151.4	148.1	144.0	139.3	133.3	124.7
-75°	89.6	90.7	90.6	89.9	90.6	90.7	89.6	87.9	85.8	82.7	76.7
-77.5°	51.9	52.8	54.8	56.6	54.8	52.8	51.9	50.7	49.3	47.5	43.5
-80°	29.7	29.9	30.8	31.6	30.8	29.9	29.7	29.4	29.0	28.2	26.1
-82.5°	20.6	21.6	21.7	21.7	21.7	21.6	20.6	19.6	18.6	17.6	16.1
-85°	12.8	13.3	14.1	15.0	14.1	13.3	12.8	12.3	11.9	11.3	10.4
-87.5°	7.9	8.3	8.3	8.3	8.3	8.3	7.9	7.5	7.1	6.7	6.7
-90°	2.1	1.7	0.8	0.0	0.8	1.7	2.1	2.5	2.9	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.9	5.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.2	4.6	5.0
85°	3.3	3.3	3.3	3.6	3.9	4.2	4.4	4.5	4.6	4.8	5.0
82.5°	3.3	3.3	3.3	3.8	4.2	4.6	5.0	5.0	5.0	5.0	5.0
80°	4.0	4.2	4.4	4.4	4.6	4.8	5.0	5.1	5.1	5.0	5.1
77.5°	4.2	4.7	5.0	5.0	5.0	5.0	5.1	5.5	5.8	5.9	5.9
75°	4.7	4.9	5.1	5.2	5.2	5.1	5.2	5.6	6.0	6.4	6.7
72.5°	5.6	5.7	5.8	6.0	6.2	6.3	6.6	6.9	7.0	6.9	6.7
70°	7.4	7.6	8.0	8.3	8.6	8.8	8.9	9.1	9.2	9.3	8.5
67.5°	9.6	10.2	11.4	12.6	13.2	13.4	13.1	12.2	11.8	11.8	10.5
65°	11.2	11.9	12.8	14.0	15.3	16.8	19.2	19.5	18.5	16.2	12.7
62.5°	12.2	13.1	13.7	14.3	15.3	17.9	22.8	25.6	26.5	23.5	17.9
60°	11.7	11.8	12.6	13.4	14.3	19.2	26.5	31.8	34.9	29.6	22.3
57.5°	11.9	11.9	12.3	12.8	13.2	19.7	28.4	37.7	43.4	34.2	25.6
55°	13.1	13.0	12.9	13.0	13.6	19.8	27.8	37.1	42.6	37.0	27.4
52.5°	11.8	12.8	13.4	13.4	14.6	19.1	25.3	33.9	36.6	32.3	26.6
50°	14.7	14.7	14.6	14.6	15.7	18.0	22.5	29.4	29.5	27.6	23.0
47.5°	19.4	19.0	18.1	17.6	17.9	18.0	20.7	23.9	25.7	23.5	20.2
45°	31.9	28.5	23.8	23.9	23.0	22.1	20.9	24.5	25.5	24.0	18.7
42.5°	53.2	49.1	41.3	38.7	34.4	31.4	28.2	30.0	30.6	28.0	25.3
40°	116.9	89.1	83.2	69.5	58.1	47.9	43.2	38.9	39.0	36.6	35.5
37.5°	256.4	221.2	192.7	144.8	114.6	79.0	65.7	55.4	48.9	52.8	50.7
35°	456.9	415.0	382.6	318.2	224.2	170.5	102.4	79.8	73.7	77.4	71.0
32.5°	701.9	710.9	646.3	561.9	486.8	341.1	218.9	119.9	131.7	124.9	102.6
30°	1558.6	1428.4	1072.7	1087.8	1087.8	696.6	404.4	316.1	235.4	194.5	147.8
27.5°	3621.3	3198.3	2455.5	2187.1	2174.5	1554.9	935.1	645.0	413.0	305.1	225.2
25°	6719.7	6003.3	4793.2	3995.8	3598.0	2743.2	1723.1	1219.7	786.0	441.6	307.4
22.5°	10231.5	8928.6	7371.8	5843.7	4937.9	3653.4	2566.2	1924.1	1204.5	632.1	406.9
20°	14106.3	12082.5	10130.9	8195.0	6292.3	4478.1	3200.8	2624.4	1760.0	892.8	502.3
17.5°	18797.3	15601.2	13516.1	10888.7	8300.8	5845.4	4494.9	3533.6	2456.1	1111.6	589.3
15°	24675.1	21286.4	18095.7	14400.3	11043.2	8586.7	6409.8	4737.2	3280.2	1529.7	784.9
12.5°	33887.2	28718.9	23711.7	18868.3	15007.6	11752.2	8867.0	6417.7	4243.0	2275.5	1104.0
10°	42260.8	35946.0	29622.7	24080.0	19329.6	15126.6	11161.4	7748.4	5080.9	3029.2	1453.0
7.5°	49080.4	41947.3	35221.9	28380.5	22574.2	17415.6	12745.4	8860.2	5789.9	3709.4	1816.1
5°	54550.0	46121.7	38434.6	30480.5	24610.8	19459.9	14167.9	9861.8	6374.0	4305.8	2175.8
2.5°	57951.3	48747.8	40749.8	32016.8	26103.5	21101.2	15406.4	10726.0	6868.2	4773.8	2489.4
0°	59951.6	50509.9	42272.3	33038.7	26947.9	21983.0	16425.2	11407.1	7268.3	5129.8	2763.1
-2.5°	59497.0	49292.1	40855.6	31550.7	25381.5	20480.7	15438.9	11151.6	7646.3	5207.2	2662.0
-5°	55637.6	46061.7	38238.9	30054.8	23950.4	19298.1	14693.9	10945.6	7848.8	5164.5	2507.6
-7.5°	54035.2	43767.8	35472.3	27985.6	22364.6	18134.7	14116.5	10816.4	7848.7	5093.3	2541.7
-10°	51524.5	42403.3	34494.7	27214.3	21548.9	16939.0	13487.0	10553.8	7686.2	4876.3	2481.6
-12.5°	49490.4	40794.2	33199.5	26502.7	21583.5	16940.1	13295.3	10226.0	7354.9	4510.4	2311.7
-15°	46501.1	39241.6	31927.1	25855.9	21229.2	16684.9	12986.1	9830.7	6641.3	3910.7	2020.5
-17.5°	41863.1	36362.5	29581.6	23672.6	19349.3	15934.2	12379.9	8923.5	5644.3	3134.5	1559.8
-20°	36222.3	31214.0	25723.2	20659.4	16582.6	13345.8	10928.5	7497.1	4526.6	2473.0	1383.8



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	30009.2	25583.4	20798.2	16783.9	13397.4	10683.6	8362.4	5652.9	3270.2	1748.5	1197.9
-25°	23087.6	19691.0	15858.3	13238.6	10349.0	7816.0	6115.3	4127.0	2400.7	1290.8	1015.1
-27.5°	17458.3	14460.0	12400.9	10436.7	8153.4	6087.8	4422.3	2787.9	1548.6	1103.5	897.6
-30°	13335.3	11673.7	10118.2	8623.9	6756.2	4852.6	3018.4	1872.8	1186.4	945.8	814.3
-32.5°	10651.5	9559.7	8373.6	7023.1	5283.0	3422.6	2093.6	1216.2	988.6	862.9	780.1
-35°	8745.0	7738.1	6598.3	5170.7	3513.6	2225.2	1282.6	1037.9	885.5	798.9	758.8
-37.5°	6868.7	5882.4	4614.0	3254.0	2113.0	1310.1	1085.2	926.7	817.4	776.0	717.1
-40°	4876.4	3813.0	2758.5	1712.5	1295.1	1093.6	959.0	849.2	800.7	738.7	664.2
-42.5°	2853.0	1938.4	1421.5	1227.6	1063.9	965.8	875.7	828.0	766.8	686.2	593.7
-45°	1443.1	1273.3	1116.1	1035.8	948.2	895.1	849.9	783.6	707.5	616.1	516.7
-47.5°	1130.4	1065.2	994.1	949.3	911.7	863.6	791.2	716.4	629.4	539.2	456.7
-50°	1023.7	1000.0	968.9	923.4	858.9	792.4	713.2	629.9	550.3	473.4	397.3
-52.5°	1032.0	975.8	916.0	851.3	772.9	695.5	618.8	549.3	478.8	408.5	341.0
-55°	965.9	893.9	818.8	740.6	661.7	597.1	532.9	470.4	407.1	343.0	290.0
-57.5°	840.1	770.2	702.0	632.5	562.0	504.4	449.1	391.7	339.0	289.4	240.9
-60°	710.8	650.5	587.6	527.3	470.4	418.2	369.1	322.2	277.8	234.3	191.1
-62.5°	566.6	516.7	467.0	419.6	374.6	332.2	290.9	251.7	214.5	178.3	146.0
-65°	420.7	381.2	343.6	310.3	277.4	244.9	211.3	182.8	157.0	131.2	104.9
-67.5°	287.5	259.1	232.3	208.7	189.3	169.5	147.8	125.6	108.8	94.3	78.5
-70°	184.1	167.3	151.4	136.0	123.3	112.4	100.3	87.8	75.6	64.6	53.3
-72.5°	115.6	106.0	96.8	88.5	79.8	72.1	64.0	55.5	46.9	38.3	31.0
-75°	70.2	63.4	56.8	51.2	45.2	38.9	34.6	31.1	27.6	23.8	20.0
-77.5°	39.5	35.5	31.9	29.4	26.8	24.1	21.2	18.6	17.0	15.5	14.2
-80°	23.8	21.6	19.4	18.0	16.6	15.2	13.9	12.9	12.1	11.5	11.1
-82.5°	14.7	13.2	11.9	11.3	10.8	10.3	9.8	9.6	9.3	9.0	8.7
-85°	9.6	8.8	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4
-87.5°	6.6	6.6	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.3	6.2
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.2	4.6	5.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.4	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	5.3	5.5	5.8	6.0	6.1	6.3	6.5	6.7	6.7	6.7	6.7
85°	5.4	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	5.5	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	5.5	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.0	6.1	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.6	6.6	6.8	6.8	6.7	6.7	6.8	6.8	6.7	6.7
72.5°	6.7	6.7	6.7	6.9	7.1	7.2	7.0	6.9	7.1	7.0	6.8
70°	7.6	6.9	6.7	7.0	7.4	7.7	7.6	7.4	7.3	7.4	7.2
67.5°	9.2	8.1	7.3	7.1	7.4	7.8	8.2	7.9	7.7	7.7	7.6
65°	11.2	9.7	8.2	7.8	7.7	7.9	8.3	8.3	8.1	7.9	8.0
62.5°	13.9	11.6	10.0	8.7	8.1	8.1	8.3	8.3	8.3	8.1	8.2
60°	16.8	13.2	11.6	10.1	8.9	8.2	8.3	8.3	8.3	8.3	8.3
57.5°	18.7	13.8	12.4	11.2	9.9	8.7	8.3	8.3	8.3	8.3	8.3
55°	19.5	14.3	13.1	12.0	10.7	9.5	8.5	8.3	8.3	8.3	8.3
52.5°	19.0	15.2	13.9	12.6	11.4	10.2	9.2	8.3	8.3	8.3	8.3
50°	16.9	16.2	14.8	13.3	12.0	10.8	9.8	8.8	8.3	8.3	8.3
47.5°	17.1	17.2	15.9	14.1	12.5	11.5	10.5	9.4	8.3	8.3	8.3
45°	19.4	18.5	17.3	15.3	13.2	12.2	11.1	9.9	8.8	8.4	8.3
42.5°	23.4	21.9	19.2	16.7	14.7	12.7	11.6	10.4	9.2	8.5	8.4
40°	32.5	27.5	22.5	20.7	16.7	13.3	12.2	10.9	9.7	8.7	8.5
37.5°	43.6	36.5	29.0	28.9	20.6	15.5	12.7	11.4	10.3	9.2	8.7
35°	60.2	48.5	42.7	41.1	31.2	17.8	13.1	11.9	10.9	9.7	8.9
32.5°	79.3	70.9	65.7	55.4	45.0	20.4	14.7	12.7	11.5	10.2	9.1
30°	116.5	111.4	95.4	71.0	60.6	33.0	17.3	13.6	12.2	10.6	9.4
27.5°	174.0	161.3	132.5	97.4	75.3	48.4	20.6	14.7	12.9	11.1	9.8
25°	235.2	214.6	181.0	130.9	90.9	64.6	24.1	16.0	13.8	11.7	10.1
22.5°	308.5	264.9	235.8	168.2	110.6	81.1	32.6	18.8	14.7	12.2	10.4
20°	376.1	313.0	294.5	205.1	138.6	96.8	45.8	21.7	15.7	12.8	10.8
17.5°	441.6	377.0	339.7	248.6	169.3	114.4	58.8	24.6	16.7	13.4	11.1
15°	565.1	466.1	392.5	292.8	198.2	133.5	71.4	27.5	17.8	14.0	11.3
12.5°	706.7	560.6	453.6	336.7	225.3	153.6	83.3	30.3	18.8	14.5	11.4
10°	853.3	658.5	520.5	379.6	250.4	174.0	94.5	34.1	20.3	15.0	11.5
7.5°	1001.3	757.5	590.5	420.6	278.5	205.2	120.3	40.2	22.0	15.5	11.6
5°	1137.0	850.7	664.2	484.9	332.2	247.3	149.0	46.5	23.6	15.9	11.7
2.5°	1220.9	931.8	734.9	548.8	384.5	288.0	177.1	52.6	25.2	16.4	11.7
0°	1292.4	1006.0	799.4	607.9	434.7	326.4	203.2	58.3	26.6	16.7	11.7
-2.5°	1293.5	1008.2	821.1	664.2	490.3	367.6	235.2	75.4	36.5	21.2	13.3
-5°	1283.1	1005.1	840.4	715.3	541.9	405.1	262.8	91.4	45.9	25.4	14.8
-7.5°	1308.2	1015.4	858.2	756.1	588.5	438.5	285.1	105.9	54.5	29.3	16.2
-10°	1325.2	1028.6	869.8	753.8	588.8	448.0	297.9	118.5	62.1	32.7	17.4
-12.5°	1319.7	1031.2	877.0	744.0	576.6	436.2	286.4	127.3	68.5	35.5	18.5
-15°	1289.0	1022.2	879.7	725.9	559.3	422.1	272.8	133.3	74.0	38.2	19.5
-17.5°	1214.0	1000.7	877.5	698.8	536.8	405.8	257.6	137.3	78.1	40.9	20.8
-20°	1100.1	951.1	865.5	662.2	508.7	387.9	241.4	139.2	80.5	42.6	22.3



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	993.6	891.2	795.5	626.2	479.5	368.5	224.8	138.8	81.3	43.3	23.3
-25°	886.5	835.4	723.8	578.7	454.0	343.9	215.4	135.9	80.2	42.9	23.9
-27.5°	814.4	776.9	658.3	529.7	422.6	320.5	211.1	134.4	78.2	41.2	24.0
-30°	761.6	706.7	601.0	482.9	388.1	288.8	203.7	130.4	76.2	40.3	23.4
-32.5°	729.6	647.0	544.5	442.5	351.0	256.6	187.6	123.9	72.6	39.7	23.1
-35°	684.8	591.7	488.8	398.9	313.2	232.8	167.7	114.7	67.2	38.3	22.4
-37.5°	636.4	533.9	438.6	354.9	275.3	207.0	149.5	101.2	60.0	36.1	21.4
-40°	570.4	476.1	388.9	313.6	242.9	179.3	130.4	88.7	55.2	33.0	19.9
-42.5°	501.6	420.6	344.3	273.0	210.7	157.0	110.8	75.4	49.5	30.2	17.9
-45°	440.5	367.2	300.5	237.7	178.0	133.8	95.6	62.6	43.2	27.5	16.2
-47.5°	380.5	318.6	259.3	201.6	152.1	111.5	79.8	55.0	36.5	24.1	15.2
-50°	327.6	272.6	220.2	170.8	126.2	93.7	65.3	47.0	31.7	19.9	14.0
-52.5°	281.6	230.8	184.0	140.4	105.4	75.3	55.7	38.7	26.5	17.4	12.8
-55°	238.4	190.7	148.7	114.5	85.0	62.7	45.7	32.3	20.9	15.6	11.5
-57.5°	194.8	150.6	119.1	90.8	68.9	51.3	36.9	25.5	17.9	13.7	11.2
-60°	151.4	119.8	92.0	72.5	55.5	40.6	28.7	19.7	15.5	12.0	10.8
-62.5°	116.0	90.5	73.0	56.9	42.8	30.7	21.0	16.9	13.1	11.6	10.4
-65°	87.1	70.5	55.3	42.3	30.6	21.9	17.6	13.9	12.1	11.1	10.0
-67.5°	63.4	50.6	38.6	27.6	21.8	17.7	14.0	12.6	11.6	10.6	9.6
-70°	42.1	31.4	24.8	20.5	16.7	13.8	12.8	12.0	11.1	10.1	9.2
-72.5°	26.2	21.8	17.9	14.7	13.6	12.7	12.1	11.4	10.5	9.6	8.7
-75°	16.5	15.0	13.9	13.0	12.2	11.7	11.3	10.7	9.9	9.1	8.6
-77.5°	13.3	12.5	11.8	11.4	11.1	10.8	10.5	10.1	9.4	8.8	8.5
-80°	10.8	10.6	10.5	10.5	10.2	10.0	9.7	9.4	8.9	8.6	8.4
-82.5°	8.8	9.1	9.3	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1
-85°	7.7	8.0	8.3	8.5	8.4	8.3	8.2	8.1	7.9	7.8	7.7
-87.5°	6.6	6.9	7.3	7.6	7.6	7.5	7.4	7.4	7.3	7.2	7.2
-90°	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	6.8	6.7	6.7	6.7	6.7	6.7	6.7
67.5°	7.1	6.7	6.7	6.7	6.7	6.7	6.7
65°	7.5	6.9	6.7	6.7	6.7	6.7	6.7
62.5°	7.9	7.2	6.7	6.7	6.7	6.7	6.7
60°	8.3	7.5	6.7	6.7	6.7	6.7	6.7
57.5°	8.3	7.8	6.9	6.7	6.7	6.7	6.7
55°	8.3	8.1	7.2	6.7	6.7	6.7	6.7
52.5°	8.3	8.3	7.4	6.7	6.7	6.7	6.7
50°	8.3	8.3	7.6	6.7	6.7	6.7	6.7
47.5°	8.3	8.3	7.8	6.7	6.7	6.7	6.7
45°	8.3	8.3	8.0	6.9	6.7	6.7	6.7
42.5°	8.3	8.3	8.2	7.0	6.7	6.7	6.7
40°	8.3	8.3	8.3	7.2	6.7	6.7	6.7
37.5°	8.3	8.3	8.3	7.3	6.7	6.7	6.7
35°	8.3	8.3	8.3	7.3	6.7	6.7	6.7
32.5°	8.4	8.3	8.3	7.4	6.7	6.7	6.7
30°	8.5	8.3	8.3	7.4	6.7	6.7	6.7
27.5°	8.7	8.3	8.2	7.4	6.7	6.7	6.7
25°	8.9	8.3	8.2	7.4	6.7	6.7	6.7
22.5°	9.1	8.3	8.2	7.4	6.7	6.7	6.7
20°	9.3	8.3	8.2	7.4	6.7	6.7	6.7
17.5°	9.5	8.3	8.2	7.3	6.7	6.7	6.7
15°	9.6	8.3	8.2	7.3	6.7	6.7	6.7
12.5°	9.8	8.3	8.2	7.2	6.7	6.7	6.7
10°	9.8	8.3	8.2	7.1	6.7	6.7	6.7
7.5°	9.9	8.3	8.3	7.0	6.7	6.7	6.7
5°	10.0	8.3	8.3	6.9	6.7	6.7	6.7
2.5°	10.0	8.3	8.3	6.8	6.7	6.7	6.7
0°	10.0	8.3	8.3	6.7	6.7	6.7	6.7
-2.5°	10.7	8.7	8.3	6.8	6.7	6.7	6.7
-5°	11.3	9.0	8.3	6.9	6.7	6.7	6.7
-7.5°	11.9	9.4	8.3	7.0	6.7	6.7	6.7
-10°	12.4	9.7	8.2	7.1	6.7	6.7	6.7
-12.5°	12.9	9.9	8.2	7.2	6.7	6.7	6.7
-15°	13.3	10.1	8.2	7.3	6.7	6.7	6.7
-17.5°	13.7	10.3	8.2	7.3	6.7	6.7	6.7
-20°	14.1	10.3	8.2	7.4	6.7	6.7	6.7



REPORT NUMBER: P731587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.6	10.3	8.2	7.4	6.7	6.7	6.7
-25°	14.9	10.3	8.2	7.4	6.7	6.7	6.7
-27.5°	14.9	10.2	8.2	7.4	6.7	6.7	6.7
-30°	14.7	10.0	8.3	7.4	6.7	6.7	6.7
-32.5°	14.1	9.7	8.4	7.4	6.7	6.7	6.7
-35°	13.7	9.4	8.5	7.3	6.7	6.7	6.7
-37.5°	13.3	9.2	8.5	7.3	6.7	6.7	6.7
-40°	12.8	9.3	8.6	7.2	6.7	6.7	6.7
-42.5°	12.1	9.3	8.5	7.0	6.7	6.7	6.7
-45°	11.4	9.3	8.4	6.9	6.7	6.7	6.7
-47.5°	10.6	9.3	8.2	6.8	6.7	6.7	6.7
-50°	10.4	9.2	8.0	6.8	6.7	6.7	6.7
-52.5°	10.2	9.2	7.9	6.9	6.7	6.7	6.7
-55°	10.1	9.0	7.7	6.9	6.7	6.7	6.7
-57.5°	9.9	8.7	7.5	6.9	6.7	6.7	6.7
-60°	9.6	8.4	7.3	6.9	6.7	6.7	6.7
-62.5°	9.3	8.2	7.3	7.0	6.7	6.7	6.7
-65°	8.9	7.9	7.4	7.0	6.7	6.7	6.7
-67.5°	8.6	7.8	7.4	7.0	6.7	6.7	6.7
-70°	8.2	7.8	7.4	7.0	6.7	6.7	6.7
-72.5°	8.2	7.8	7.4	7.0	6.7	6.7	6.7
-75°	8.2	7.8	7.4	7.0	6.7	6.7	6.7
-77.5°	8.2	7.9	7.4	6.9	6.7	6.7	6.7
-80°	8.3	7.7	7.2	6.9	6.7	6.7	6.7
-82.5°	7.9	7.5	7.1	6.9	6.7	6.7	6.7
-85°	7.5	7.2	7.0	6.8	6.7	6.7	6.7
-87.5°	7.1	7.0	6.8	6.8	6.7	6.7	6.7
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(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

