

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: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-5S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-5S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

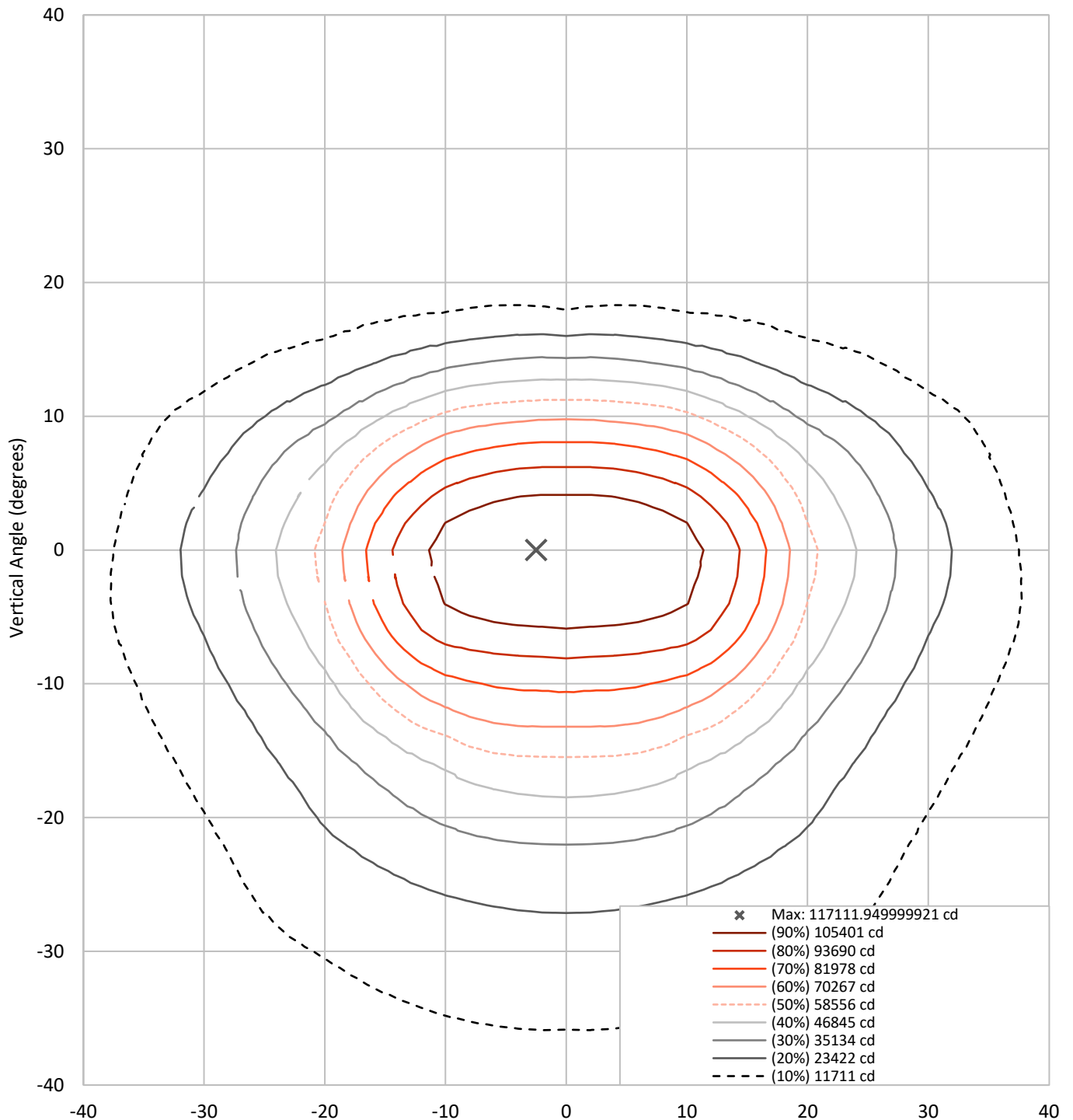
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	46406.3 lumens	Max Intensity:	117111.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	82.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	23000 lumens	Field Lumens:	41599.8 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

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





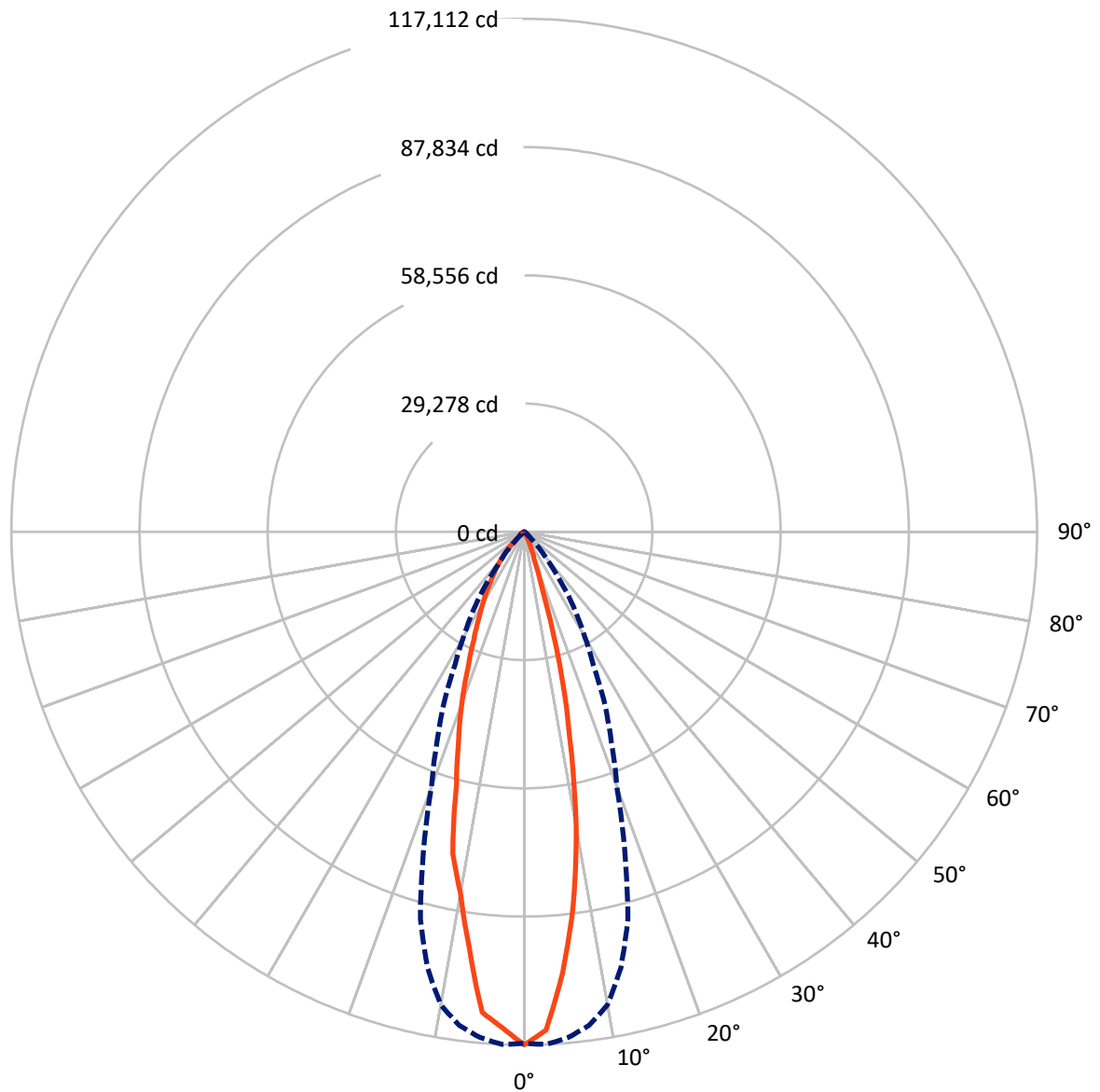
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Lumen Table

90	0.2		0.5		0.8		0.8		0.4		0.8		0.8		0.5		0.2	
80	0.2		0.1	0.2	0.4	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.4	0.2	0.1	0.2	
70	0.2		0.1	0.2	0.6	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.7	0.6	0.2	0.1	0.2	
60	0.2		0.1	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.1	0.2	
50	0.2		0.2	0.5	0.8	1.7	3.9	6.0	8.2	8.2	6.0	3.9	1.7	0.8	0.5	0.2	0.2	
40	0.2		0.3	1.3	3.3	15.0	34.2	64.2	91.1	91.1	64.2	34.2	15.0	3.3	1.3	0.3	0.2	
30	0.2		0.8	4.6	20.3	117.9	313.3	643.6	952.9	952.9	643.6	313.3	117.9	20.3	4.6	0.8	0.2	
20	0.3		1.5	9.8	61.1	345.1	982.9	2112.6	2910.2	2910.2	2112.6	982.9	345.1	61.1	9.8	1.5	0.3	
10	0.3		2.0	12.0	75.6	394.0	1075.3	2361.8	3137.5	3137.5	2361.8	1075.3	394.0	75.6	12.0	2.0	0.3	
0	0.4		2.2	10.8	48.4	250.5	646.1	1309.2	1822.9	1822.9	1309.2	646.1	250.5	48.4	10.8	2.2	0.4	
-10	0.4		2.0	9.0	22.5	131.8	369.1	645.2	835.0	835.0	645.2	369.1	131.8	22.5	9.0	2.0	0.4	
-20	0.3		1.6	6.7	14.7	44.0	168.1	299.8	382.0	382.0	299.8	168.1	44.0	14.7	6.7	1.6	0.3	
-30	0.3		1.0	4.2	10.9	19.9	36.1	79.3	116.4	116.4	79.3	36.1	19.9	10.9	4.2	1.0	0.3	
-40	0.2		0.5	2.1	5.8	11.7	18.5	23.8	26.8	26.8	23.8	18.5	11.7	5.8	2.1	0.5	0.2	
-50	0.2		0.2	0.7	2.1	4.2	6.9	9.8	11.5	11.5	9.8	6.9	4.2	2.1	0.7	0.2	0.2	
-60	0.2		0.7		2.1		5.5		7.4		5.5		2.1		0.7		0.2	
-70	0.2		0.7		2.1		5.5		7.4		5.5		2.1		0.7		0.2	
-80	0.2		0.7		2.1		5.5		7.4		5.5		2.1		0.7		0.2	
-90	0.2		0.7		2.1		5.5		7.4		5.5		2.1		0.7		0.2	

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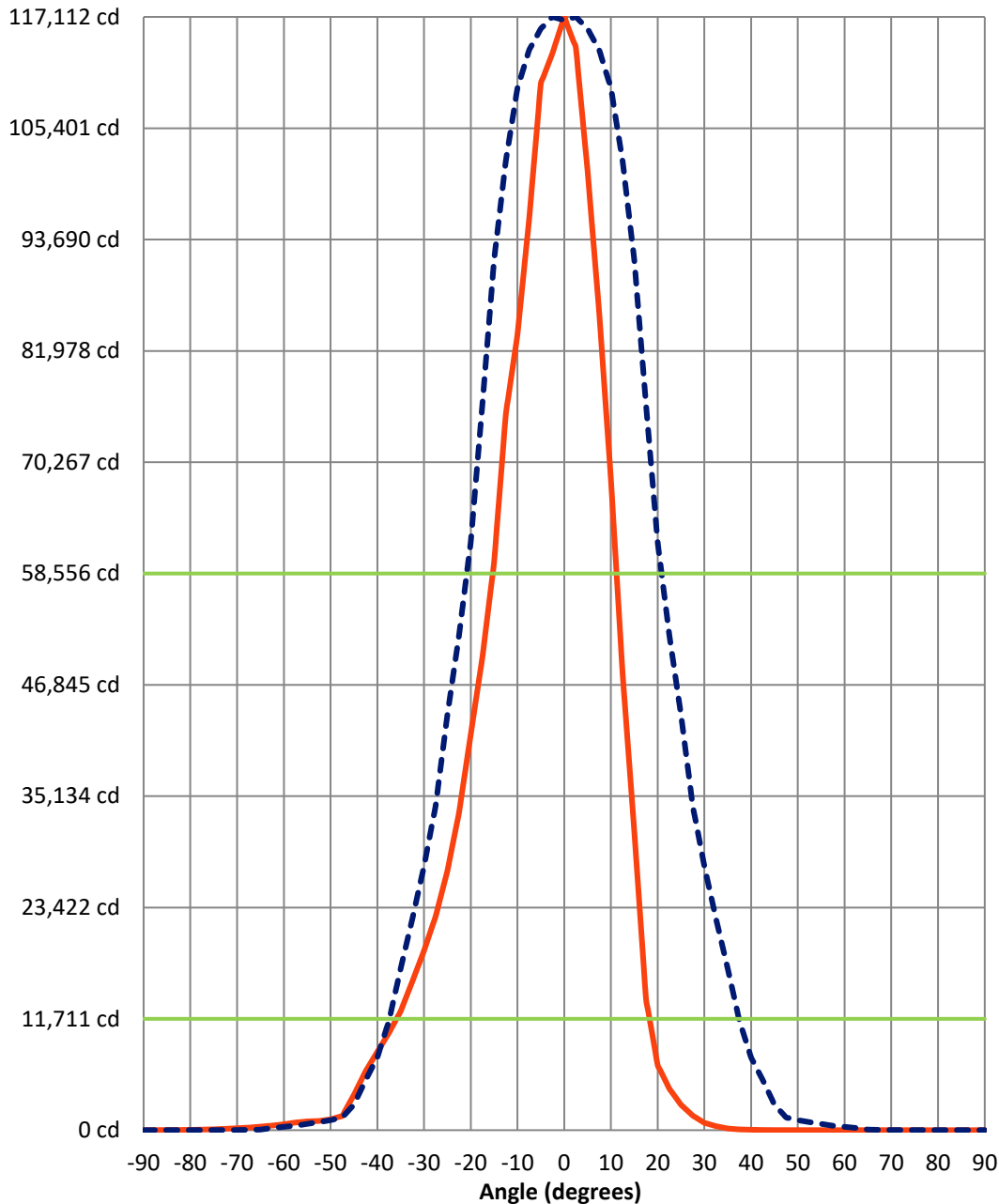
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 23000
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 41599.8
 Efficiency: 89.6%

Spill:
 Lumens: 4806.5
 Efficiency: 10.4%

— 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°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.3	7.3	7.4	7.5	7.6	7.5	7.4	7.3	7.1
85°	7.1	7.2	7.4	7.6	7.7	7.9	8.0	7.9	7.7	7.5	7.1
82.5°	7.1	7.2	7.6	7.8	8.0	8.3	8.5	8.3	8.0	7.8	7.6
80°	7.1	7.3	7.7	8.0	8.3	8.7	8.9	8.6	8.4	8.3	8.3
77.5°	7.1	7.3	7.9	8.3	8.7	8.9	8.9	8.7	8.7	8.8	8.9
75°	7.1	7.3	8.0	8.5	8.9	8.9	8.9	8.8	8.9	8.9	8.9
72.5°	7.1	7.4	8.1	8.7	8.9	8.9	8.9	8.9	8.9	8.9	8.9
70°	7.1	7.4	8.3	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
67.5°	7.1	7.4	8.4	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
65°	7.1	7.4	8.5	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
62.5°	7.1	7.5	8.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
60°	7.1	7.5	8.7	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
57.5°	7.1	7.5	8.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
55°	7.1	7.5	8.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
52.5°	7.1	7.5	8.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
50°	7.1	7.5	8.6	8.9	8.9	8.9	8.9	9.0	8.9	8.9	9.4
47.5°	7.1	7.5	8.6	8.9	8.9	8.9	8.9	9.1	8.9	8.9	10.0
45°	7.1	7.6	8.6	8.9	8.9	8.9	9.1	9.3	9.1	9.4	10.6
42.5°	7.1	7.5	8.6	8.9	8.9	8.9	9.2	9.5	9.3	9.9	11.3
40°	7.1	7.5	8.6	8.9	8.9	8.9	9.4	9.7	9.7	10.4	11.8
37.5°	7.1	7.5	8.6	8.9	8.9	8.9	9.7	10.0	10.3	11.1	12.2
35°	7.1	7.5	8.6	8.9	8.9	9.0	9.9	10.3	10.9	11.9	12.6
32.5°	7.1	7.5	8.6	8.9	8.9	9.2	10.2	10.7	11.5	12.7	13.7
30°	7.1	7.5	8.7	8.9	8.9	9.4	10.5	11.1	12.1	13.6	15.1
27.5°	7.1	7.5	8.7	8.9	8.9	9.6	10.7	11.6	12.8	14.5	16.6
25°	7.1	7.4	8.7	8.9	8.9	9.8	11.1	12.1	13.5	15.7	18.4
22.5°	7.1	7.4	8.7	8.9	8.9	10.0	11.4	12.6	14.3	17.0	21.6
20°	7.1	7.4	8.8	8.9	8.9	10.1	11.7	13.0	15.1	18.5	25.2
17.5°	7.1	7.4	8.8	8.9	8.9	10.3	11.9	13.5	15.8	20.0	29.2
15°	7.1	7.3	8.8	8.9	8.9	10.4	12.0	13.8	16.6	21.6	33.4
12.5°	7.1	7.3	8.8	8.9	8.9	10.5	12.2	13.9	17.2	23.2	37.7
10°	7.1	7.3	8.9	8.9	8.9	10.6	12.2	14.0	17.8	25.3	42.6
7.5°	7.1	7.2	8.9	8.9	8.9	10.6	12.3	14.1	18.3	27.5	48.3
5°	7.1	7.2	8.9	8.9	8.9	10.7	12.4	14.2	18.7	29.7	53.9
2.5°	7.1	7.1	8.9	8.9	8.9	10.7	12.4	14.2	19.2	31.8	59.2
0°	7.1	7.1	8.9	8.9	8.9	10.7	12.4	14.2	19.2	31.8	59.2
-2.5°	7.1	7.1	8.9	8.9	9.1	10.9	12.6	15.9	24.3	42.5	78.1
-5°	7.1	7.2	8.9	8.9	9.2	11.0	12.8	17.4	28.8	50.7	91.3
-7.5°	7.1	7.2	8.9	8.9	9.4	11.2	13.0	18.9	33.0	58.2	103.3
-10°	7.1	7.3	8.9	8.9	9.5	11.3	13.2	20.1	36.7	64.9	113.7
-12.5°	7.1	7.3	8.8	8.9	9.6	11.4	13.3	21.1	39.7	70.6	121.7
-15°	7.1	7.3	8.8	8.9	9.7	11.5	13.5	21.7	42.2	75.4	127.6
-17.5°	7.1	7.4	8.8	8.9	9.8	11.6	13.5	22.7	44.3	78.8	131.6
-20°	7.1	7.4	8.8	8.9	9.8	11.7	14.0	23.9	45.6	80.9	133.5



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.1	7.4	8.7	8.9	9.9	11.7	14.8	24.8	46.0	81.4	133.2
-25°	7.1	7.4	8.7	8.9	9.9	11.8	15.3	25.2	45.4	80.3	130.4
-27.5°	7.1	7.5	8.7	8.9	9.8	11.8	15.5	25.2	43.8	78.2	128.8
-30°	7.1	7.5	8.7	8.9	9.7	11.7	15.4	24.7	42.9	76.3	125.1
-32.5°	7.1	7.5	8.6	8.9	9.6	11.6	15.0	24.5	42.2	72.9	119.0
-35°	7.1	7.5	8.6	8.9	9.5	11.3	14.7	24.0	40.8	68.1	110.6
-37.5°	7.1	7.5	8.6	8.9	9.4	11.1	14.4	22.9	38.8	61.9	99.1
-40°	7.1	7.5	8.6	8.9	9.3	10.9	14.0	21.3	36.1	57.7	88.3
-42.5°	7.1	7.5	8.6	8.9	9.2	10.7	13.4	19.2	33.4	52.5	76.7
-45°	7.1	7.6	8.6	9.0	9.3	10.5	12.7	17.3	30.2	46.5	65.1
-47.5°	7.1	7.5	8.6	9.0	9.3	10.3	11.9	16.3	26.2	40.0	57.7
-50°	7.1	7.5	8.6	9.0	9.4	10.1	11.5	15.1	21.2	34.2	49.6
-52.5°	7.1	7.5	8.6	9.0	9.4	9.8	11.2	13.7	18.3	28.1	41.1
-55°	7.1	7.5	8.6	9.0	9.5	9.9	10.9	12.3	16.4	21.7	33.8
-57.5°	7.1	7.5	8.6	9.0	9.5	9.9	10.6	11.9	14.4	18.5	26.1
-60°	7.1	7.5	8.7	9.0	9.6	10.0	10.4	11.5	12.7	16.2	19.9
-62.5°	7.1	7.5	8.6	9.0	9.5	10.0	10.4	11.1	12.3	13.8	17.3
-65°	7.1	7.4	8.5	9.0	9.4	10.0	10.5	10.8	11.8	12.9	14.6
-67.5°	7.1	7.4	8.4	9.0	9.3	10.0	10.5	10.8	11.3	12.4	13.4
-70°	7.1	7.4	8.3	8.9	9.2	9.8	10.5	10.8	11.2	11.8	12.8
-72.5°	7.1	7.4	8.1	8.7	9.1	9.5	10.2	10.7	11.0	11.4	12.1
-75°	7.1	7.3	8.0	8.5	8.9	9.3	9.8	10.3	10.7	11.0	11.5
-77.5°	7.1	7.3	7.9	8.3	8.7	9.0	9.4	9.8	10.2	10.5	10.9
-80°	7.1	7.3	7.7	8.0	8.3	8.7	9.0	9.3	9.6	9.8	10.1
-82.5°	7.1	7.2	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.2	9.4
-85°	7.1	7.2	7.4	7.6	7.7	7.9	8.0	8.2	8.3	8.5	8.6
-87.5°	7.1	7.1	7.3	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.9
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.6	7.6	7.4	7.1	7.1	7.1	7.1	7.3	7.4	7.4	7.3
80°	8.3	8.1	7.8	7.7	7.9	8.1	8.4	8.6	8.4	8.1	7.6
77.5°	8.7	8.5	8.5	8.7	8.9	8.9	8.9	8.9	8.6	8.1	7.7
75°	8.8	8.9	8.9	8.9	8.9	8.9	8.9	9.3	9.3	9.2	9.1
72.5°	8.9	8.9	8.9	8.9	8.9	9.2	9.7	10.3	10.7	10.6	10.5
70°	8.9	8.9	8.9	8.9	9.0	9.6	10.5	11.4	12.0	12.3	13.0
67.5°	8.9	8.9	8.9	9.0	9.7	10.6	11.6	13.3	15.4	16.3	17.5
65°	8.9	8.9	9.1	9.7	10.6	11.9	13.7	16.1	20.8	23.4	24.5
62.5°	8.9	9.0	9.5	10.4	11.5	13.1	16.6	21.8	28.4	32.3	31.9
60°	8.9	9.1	10.0	11.2	12.5	15.2	20.2	27.1	36.0	42.5	38.4
57.5°	8.9	9.5	10.7	12.3	14.3	16.7	23.1	31.7	40.6	50.4	43.0
55°	9.2	10.2	11.8	13.9	16.0	18.1	24.2	31.9	41.9	47.2	40.1
52.5°	9.9	11.0	13.2	15.4	17.4	18.7	21.6	28.9	34.2	38.1	34.2
50°	10.5	12.3	14.5	16.3	17.7	17.7	17.0	22.5	26.8	28.1	27.8
47.5°	11.5	13.5	15.2	16.8	17.0	16.7	15.0	17.6	20.6	22.0	21.0
45°	12.3	14.2	15.7	16.3	16.6	16.0	15.4	14.6	17.9	18.5	17.7
42.5°	13.1	14.7	15.9	16.1	16.8	17.1	17.0	16.5	16.9	17.3	17.1
40°	13.5	15.2	16.2	17.6	17.9	19.4	20.5	20.4	17.4	19.2	19.5
37.5°	13.9	15.7	17.6	21.2	20.7	23.2	25.1	27.7	25.3	23.7	26.5
35°	14.3	16.4	22.4	26.7	26.9	28.4	34.7	37.7	35.8	33.8	37.3
32.5°	14.9	17.3	28.6	33.2	35.7	38.2	47.0	48.6	50.3	51.2	54.0
30°	16.5	23.1	35.8	40.5	46.0	55.6	60.2	61.7	68.1	76.9	100.6
27.5°	19.8	30.6	42.7	49.9	58.7	75.0	81.1	81.9	92.7	115.4	172.5
25°	23.9	48.5	50.0	60.6	77.0	96.6	109.3	121.5	125.6	194.1	330.0
22.5°	33.5	71.3	79.4	72.1	96.6	121.8	148.8	183.2	235.3	314.2	515.9
20°	50.4	96.4	116.0	121.1	127.1	150.5	194.6	263.9	426.6	707.6	975.4
17.5°	69.9	125.3	157.0	182.7	211.6	221.1	249.7	360.3	668.1	1268.3	1970.4
15°	91.3	157.3	201.3	251.7	305.2	346.3	406.3	579.0	1075.4	2042.7	3248.6
12.5°	114.1	191.5	248.0	326.5	405.6	479.1	591.7	961.0	1795.9	3137.7	4966.8
10°	137.3	227.1	296.4	405.1	510.8	617.3	784.0	1398.2	2647.9	4304.6	6532.2
7.5°	162.8	262.1	344.5	485.6	618.7	758.3	979.3	1868.5	3530.2	5382.5	7888.2
5°	187.7	294.7	387.3	550.2	707.1	880.7	1156.5	2345.3	4405.7	6365.8	9117.6
2.5°	210.7	325.4	428.4	608.8	779.7	970.2	1253.9	2542.0	4909.8	7091.4	10329.5
0°	230.9	353.5	467.2	662.6	847.4	1053.5	1339.5	2684.3	5256.6	7647.8	11511.6
-2.5°	239.7	364.3	486.4	679.0	844.7	1040.2	1339.9	2731.5	5553.8	8308.6	12108.6
-5°	245.1	371.9	501.8	689.6	837.9	1020.5	1326.9	2710.6	5602.6	8461.4	11872.8
-7.5°	247.4	376.3	512.8	691.9	820.8	981.6	1267.6	2512.6	5071.5	7760.7	10766.9
-10°	246.7	375.1	508.3	670.3	789.6	929.6	1188.3	2251.7	4456.7	6969.8	9591.5
-12.5°	242.2	369.1	498.3	646.6	759.1	875.0	1097.1	1930.6	3782.7	6112.6	8466.5
-15°	235.9	360.6	485.1	621.9	730.9	818.9	994.5	1551.3	3080.4	5343.6	7563.1
-17.5°	228.0	349.9	468.7	597.1	706.2	762.3	884.8	1171.9	2452.3	4519.8	6653.4
-20°	219.0	337.2	449.4	573.2	683.4	725.0	826.5	1056.6	1939.1	3601.9	5666.0



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	209.1	322.7	429.1	548.2	650.4	705.7	775.4	934.6	1382.7	2597.0	4599.7
-25°	203.1	307.2	409.4	515.3	617.5	687.1	723.0	817.5	1045.4	1959.6	3474.7
-27.5°	199.1	292.0	382.7	479.9	585.0	664.3	693.8	758.8	918.9	1298.5	2417.2
-30°	192.1	268.6	353.8	443.6	545.3	627.8	675.3	713.4	810.1	1018.0	1657.9
-32.5°	177.8	243.6	324.8	409.7	501.5	593.1	661.3	698.1	760.6	868.2	1083.1
-35°	160.8	223.0	295.1	373.6	456.2	550.3	630.5	691.3	720.8	794.9	932.7
-37.5°	145.2	200.9	264.0	337.5	415.0	501.7	595.3	663.8	712.8	746.8	845.2
-40°	128.1	177.4	236.7	302.4	373.4	452.9	539.7	624.5	689.7	746.3	790.0
-42.5°	110.1	156.8	209.6	266.1	333.1	404.9	481.6	566.1	650.2	726.6	785.7
-45°	96.4	134.7	181.9	234.5	291.6	356.3	426.9	500.7	588.3	676.2	752.8
-47.5°	81.8	113.0	155.7	201.0	252.1	309.0	370.8	440.2	514.3	599.3	689.1
-50°	67.9	96.0	127.4	169.1	213.4	262.7	317.4	378.3	444.8	515.4	593.5
-52.5°	58.1	78.2	105.6	137.2	176.4	218.6	266.3	318.6	376.1	436.3	499.7
-55°	47.5	64.7	84.5	110.5	140.7	177.3	217.2	262.9	309.0	362.5	411.0
-57.5°	38.0	52.0	67.6	86.4	110.9	137.7	172.8	209.2	250.5	292.3	328.0
-60°	28.9	40.3	53.5	67.8	83.7	106.7	130.3	160.6	194.1	226.1	256.8
-62.5°	20.7	30.0	40.7	52.4	65.3	78.6	97.9	119.3	140.6	167.5	192.3
-65°	17.8	21.3	29.1	38.9	48.7	61.2	73.4	85.0	102.9	120.4	136.7
-67.5°	14.7	17.6	21.0	25.9	34.9	45.0	55.1	66.0	76.3	85.3	95.4
-70°	13.5	14.1	16.4	19.5	23.5	29.8	38.9	47.9	56.8	65.3	73.4
-72.5°	12.7	13.2	13.7	14.2	17.3	21.6	26.4	31.4	37.6	44.4	51.6
-75°	12.0	12.4	12.8	13.1	14.1	15.8	18.0	22.0	25.9	29.4	32.7
-77.5°	11.2	11.5	11.8	12.1	12.8	13.8	15.1	16.7	18.6	20.7	22.9
-80°	10.4	10.7	10.9	11.2	11.6	12.1	12.8	13.5	14.7	16.2	17.8
-82.5°	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.1	11.6	12.2	13.0
-85°	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6	9.8	9.9	10.0
-87.5°	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.5	8.5
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.1	7.6	8.0	8.5	8.9	10.2	11.5	12.9	14.2	13.7	13.3
87.5°	7.1	6.7	6.2	5.8	5.3	4.9	4.5	4.0	3.6	3.2	2.7
85°	7.1	7.0	6.9	6.8	6.8	6.4	6.0	5.6	5.2	4.4	3.5
82.5°	7.1	7.1	7.1	7.1	7.1	6.7	6.2	5.8	5.3	4.5	3.6
80°	7.2	7.1	7.1	7.1	7.1	6.7	6.3	5.8	5.3	4.5	3.6
77.5°	7.4	7.4	7.4	7.3	7.2	6.7	6.3	5.8	5.4	4.5	3.6
75°	8.9	8.7	8.3	7.9	7.3	6.8	6.3	5.9	5.4	4.9	4.4
72.5°	10.4	10.1	9.5	9.2	8.7	8.3	8.0	7.5	6.9	6.5	6.1
70°	13.7	14.0	13.7	13.0	11.9	10.9	10.2	9.5	8.7	8.0	7.2
67.5°	18.5	18.5	17.5	16.1	14.0	12.1	11.2	10.2	9.3	8.8	8.7
65°	24.2	22.1	19.9	17.4	14.8	12.2	11.3	10.4	9.4	8.9	8.9
62.5°	29.5	23.8	19.2	16.3	14.0	12.2	11.0	9.7	8.5	7.6	7.4
60°	31.7	22.6	16.2	14.1	12.4	10.9	9.6	8.5	7.7	7.0	6.6
57.5°	31.8	21.5	13.7	11.9	10.5	9.3	8.6	8.1	7.6	7.1	6.5
55°	28.9	19.1	11.4	10.2	9.7	9.2	8.7	8.2	7.7	7.1	6.6
52.5°	23.6	16.8	12.1	10.4	9.9	9.4	8.8	8.3	7.8	7.2	6.7
50°	20.5	15.4	12.3	10.6	10.0	9.5	9.0	8.8	8.8	8.4	8.0
47.5°	17.7	14.1	12.1	10.8	10.6	11.2	11.8	11.9	11.7	11.3	10.8
45°	15.6	13.6	12.6	13.2	13.7	14.8	15.4	15.5	15.5	15.6	15.5
42.5°	15.4	15.5	16.5	18.3	18.2	20.5	21.6	19.1	21.8	23.4	22.1
40°	20.4	20.9	25.8	29.8	33.5	34.1	39.8	40.6	41.4	43.9	44.3
37.5°	29.9	35.1	50.3	61.7	66.5	66.9	75.3	77.0	74.6	84.8	87.8
35°	45.8	69.5	94.1	108.3	116.2	122.2	133.7	146.8	140.6	163.2	171.0
32.5°	82.2	125.6	170.2	168.6	183.7	224.2	239.3	263.1	288.1	326.1	367.9
30°	138.4	255.5	307.2	288.3	331.0	388.8	389.2	455.7	548.3	626.9	745.4
27.5°	311.7	442.8	510.5	540.7	573.1	646.1	736.6	821.2	1056.8	1217.9	1387.2
25°	529.1	710.3	782.7	895.1	997.1	1064.9	1338.5	1538.2	1876.9	2122.7	2377.1
22.5°	853.2	1092.7	1242.6	1344.3	1688.1	1993.7	2286.1	2721.1	3057.4	3479.1	3796.8
20°	1259.0	1582.4	2133.1	2565.3	2781.2	3430.4	3959.3	4408.9	5005.4	5528.2	5993.3
17.5°	2375.6	2557.3	3708.0	4834.0	5289.3	6128.7	7649.2	8222.9	9940.2	11197.7	11876.8
15°	4301.4	5180.1	6392.1	8269.4	10352.0	11997.1	13438.4	16390.0	19666.7	22571.4	25629.6
12.5°	6801.8	8520.2	10559.9	12856.4	16608.7	19586.2	22775.4	26993.6	32286.9	36893.8	42313.5
10°	9306.7	12210.3	15029.8	18608.3	23347.9	27945.1	32538.7	39219.7	46995.1	54460.3	60914.9
7.5°	11377.9	15314.2	19135.2	24082.3	30538.1	36943.2	43363.4	52199.9	62483.3	71003.3	78327.8
5°	13485.9	18415.5	22897.6	28603.1	36201.2	44002.3	52036.7	63054.9	75201.4	84849.0	92406.1
2.5°	15421.6	21007.4	26195.3	32557.3	41018.5	48651.1	57796.7	71323.1	85796.5	96204.2	104535.3
0°	16985.0	22220.2	27762.9	34165.3	43665.9	52079.4	61880.2	76385.2	91529.7	101928.4	109616.1
-2.5°	16648.4	21943.7	27125.9	33630.9	43168.9	50914.5	60836.7	75108.1	90070.9	100635.8	107540.6
-5°	15597.9	20284.6	24937.5	31046.7	39434.2	46981.8	56698.7	71368.5	85721.0	96494.5	104439.5
-7.5°	14044.4	18023.8	22244.0	27810.8	35111.7	42331.7	50783.2	62474.4	75870.2	85615.2	91373.9
-10°	12409.0	15703.7	19656.0	24360.4	30386.0	36870.8	43889.6	53255.1	64701.6	73247.6	78710.8
-12.5°	10975.4	13830.0	17355.9	20835.2	25751.3	31527.0	37759.5	45423.5	52976.5	61988.4	66711.6
-15°	9654.9	12034.3	15064.0	18400.0	22485.3	27024.7	31490.4	37228.8	42147.4	47776.6	51866.5
-17.5°	8550.0	10450.3	13134.8	16367.8	19443.9	23352.8	27614.4	31501.5	35659.9	39723.5	43115.1
-20°	7551.6	9119.5	11408.4	14254.9	17285.6	20609.6	24370.1	27534.1	30932.1	34020.0	36672.8



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6416.8	8006.7	9779.4	12214.9	15250.1	18230.1	21014.8	23406.0	25973.7	28468.9	30352.5
-25°	5235.9	6761.8	8458.9	10757.4	13243.8	15751.3	17723.4	19406.9	21411.2	23209.2	24825.7
-27.5°	4014.7	5641.6	7472.1	9391.9	11554.6	13148.0	14807.7	16330.3	17853.5	19063.2	20428.4
-30°	2791.1	4566.2	6366.6	8183.7	9665.0	10937.0	12174.8	13571.1	14949.3	16099.1	17062.6
-32.5°	1916.7	3197.2	5013.9	6703.7	7969.9	9050.9	10006.9	11197.6	12265.6	13211.9	14055.0
-35°	1151.2	2053.3	3300.8	4906.6	6292.1	7343.9	8317.6	9220.4	10017.7	10814.7	11448.8
-37.5°	986.2	1186.0	1942.6	3010.5	4329.0	5601.8	6602.3	7447.3	8190.1	8803.9	9342.0
-40°	888.1	1006.3	1171.6	1536.0	2506.9	3478.9	4570.8	5534.1	6317.6	6894.1	7362.3
-42.5°	830.1	905.9	986.9	1116.6	1260.9	1722.3	2557.8	3355.8	4044.4	4683.0	5231.2
-45°	820.3	852.4	895.9	969.1	1035.7	1155.3	1285.8	1413.4	1955.1	2468.4	2889.5
-47.5°	758.8	824.2	864.2	897.0	931.9	988.4	1043.6	1102.7	1201.2	1293.6	1373.0
-50°	669.2	739.6	799.9	859.0	889.9	912.9	935.6	965.0	1003.4	1038.6	1070.8
-52.5°	559.2	626.9	694.7	757.5	806.7	851.9	892.5	911.5	926.0	939.2	949.6
-55°	461.5	515.0	568.3	625.8	682.6	736.7	783.3	814.2	841.9	866.5	887.5
-57.5°	369.4	411.1	454.6	501.3	546.6	590.3	631.8	669.7	703.4	732.7	757.3
-60°	286.2	314.3	350.6	387.7	423.0	456.4	490.2	520.8	548.5	572.9	591.9
-62.5°	214.8	238.1	265.7	291.8	315.0	339.9	371.4	397.7	419.3	436.8	452.2
-65°	154.3	173.7	195.9	217.9	239.4	260.8	282.7	303.9	324.1	340.3	351.7
-67.5°	109.5	123.3	138.9	152.5	168.6	187.3	207.2	225.4	242.0	253.5	260.4
-70°	80.7	88.8	100.1	113.1	126.6	139.0	151.7	164.4	176.8	185.6	192.3
-72.5°	58.9	66.9	75.2	83.6	92.6	101.9	111.1	120.5	129.9	135.6	139.7
-75°	35.7	40.4	47.6	54.7	61.5	67.9	73.9	79.5	84.8	87.5	89.3
-77.5°	25.6	28.9	32.5	36.2	39.9	43.7	47.4	51.2	54.9	56.6	57.8
-80°	19.6	21.4	23.4	25.6	27.8	30.0	32.3	34.7	37.0	37.4	37.4
-82.5°	13.9	15.2	16.6	17.9	19.2	20.5	21.8	23.0	24.1	24.4	24.6
-85°	10.0	10.8	11.7	12.6	13.5	14.5	15.4	16.4	17.4	17.5	17.6
-87.5°	8.6	9.1	9.6	10.0	10.5	11.1	11.5	12.0	12.5	12.4	12.4
-90°	7.1	6.7	6.2	5.8	5.3	4.9	4.5	4.0	3.6	3.2	2.7



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	12.9	12.4	12.4	12.4	12.4	12.4	12.9	13.3	13.7	14.2	12.9
87.5°	2.3	1.8	0.9	0.0	0.9	1.8	2.3	2.7	3.2	3.6	4.0
85°	2.7	1.8	1.8	1.8	1.8	1.8	2.7	3.5	4.4	5.2	5.6
82.5°	2.7	1.8	1.8	1.8	1.8	1.8	2.7	3.6	4.5	5.3	5.8
80°	2.7	1.8	1.8	1.8	1.8	1.8	2.7	3.6	4.5	5.3	5.8
77.5°	2.7	1.8	1.8	1.8	1.8	1.8	2.7	3.6	4.5	5.4	5.8
75°	4.0	3.6	2.7	1.8	2.7	3.6	4.0	4.4	4.9	5.4	5.9
72.5°	5.7	5.3	5.3	5.3	5.3	5.3	5.7	6.1	6.5	6.9	7.5
70°	6.3	5.4	5.3	5.3	5.3	5.4	6.3	7.2	8.0	8.7	9.5
67.5°	8.7	8.8	8.0	7.1	8.0	8.8	8.7	8.7	8.8	9.3	10.2
65°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.4	10.4
62.5°	7.3	7.2	7.1	7.1	7.1	7.2	7.3	7.4	7.6	8.5	9.7
60°	6.1	5.5	5.3	5.3	5.3	5.5	6.1	6.6	7.0	7.7	8.5
57.5°	6.0	5.5	5.3	5.3	5.3	5.5	6.0	6.5	7.1	7.6	8.1
55°	6.0	5.5	5.3	5.3	5.3	5.5	6.0	6.6	7.1	7.7	8.2
52.5°	6.1	5.5	6.0	7.1	6.0	5.5	6.1	6.7	7.2	7.8	8.3
50°	7.7	7.2	7.1	7.1	7.1	7.2	7.7	8.0	8.4	8.8	8.8
47.5°	10.2	9.4	8.9	8.9	8.9	9.4	10.2	10.8	11.3	11.7	11.9
45°	14.5	13.2	12.3	12.4	12.3	13.2	14.5	15.5	15.6	15.5	15.5
42.5°	21.8	21.4	21.1	21.3	21.1	21.4	21.8	22.1	23.4	21.8	19.1
40°	46.8	47.5	47.3	48.0	47.3	47.5	46.8	44.3	43.9	41.4	40.6
37.5°	88.1	85.2	80.7	81.7	80.7	85.2	88.1	87.8	84.8	74.6	77.0
35°	172.0	176.4	176.1	177.6	176.1	176.4	172.0	171.0	163.2	140.6	146.8
32.5°	398.0	419.1	419.6	428.1	419.6	419.1	398.0	367.9	326.1	288.1	263.1
30°	782.0	798.8	773.5	785.2	773.5	798.8	782.0	745.4	626.9	548.3	455.7
27.5°	1475.2	1537.3	1536.7	1510.0	1536.7	1537.3	1475.2	1387.2	1217.9	1056.8	821.2
25°	2591.1	2687.1	2669.4	2638.1	2669.4	2687.1	2591.1	2377.1	2122.7	1876.9	1538.2
22.5°	4085.3	4244.0	4371.0	4288.4	4371.0	4244.0	4085.3	3796.8	3479.1	3057.4	2721.1
20°	6677.5	6722.8	6857.7	6809.3	6857.7	6722.8	6677.5	5993.3	5528.2	5005.4	4408.9
17.5°	13716.7	14208.8	13866.4	12824.4	13866.4	14208.8	13716.7	11876.8	11197.7	9940.2	8222.9
15°	27777.7	29840.3	31441.8	30562.6	31441.8	29840.3	27777.7	25629.6	22571.4	19666.7	16390.0
12.5°	45489.7	47011.5	48029.7	48104.5	48029.7	47011.5	45489.7	42313.5	36893.8	32286.9	26993.6
10°	65292.0	66636.7	68438.1	68691.3	68438.1	66636.7	65292.0	60914.9	54460.3	46995.1	39219.7
7.5°	81962.9	84689.9	85952.4	85782.8	85952.4	84689.9	81962.9	78327.8	71003.3	62483.3	52199.9
5°	96872.2	99697.4	100934.9	101140.5	100934.9	99697.4	96872.2	92406.1	84849.0	75201.4	63054.9
2.5°	109525.6	112377.8	113864.6	113456.9	113864.6	112377.8	109525.6	104535.3	96204.2	85796.5	71323.1
0°	113619.4	115865.8	117111.9	116770.0	117111.9	115865.8	113619.4	109616.1	101928.4	91529.7	76385.2
-2.5°	111017.0	112370.6	113309.8	112947.0	113309.8	112370.6	111017.0	107540.6	100635.8	90070.9	75108.1
-5°	108132.9	109739.2	110090.5	110520.3	110090.5	109739.2	108132.9	104439.5	96494.5	85721.0	71368.5
-7.5°	93564.5	95282.6	95850.1	96709.9	95850.1	95282.6	93564.5	91373.9	85615.2	75870.2	62474.4
-10°	81683.6	83610.6	83703.5	84233.7	83703.5	83610.6	81683.6	78710.8	73247.6	64701.6	53255.1
-12.5°	71731.7	74383.6	75263.4	75052.9	75263.4	74383.6	71731.7	66711.6	61988.4	52976.5	45423.5
-15°	57311.5	59576.7	59738.4	59844.4	59738.4	59576.7	57311.5	51866.5	47776.6	42147.4	37228.8
-17.5°	46714.0	48915.3	49763.8	50027.5	49763.8	48915.3	46714.0	43115.1	39723.5	35659.9	31501.5
-20°	38949.9	40588.8	41625.3	42054.7	41625.3	40588.8	38949.9	36672.8	34020.0	30932.1	27534.1



REPORT NUMBER: P731468 (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°	31999.0	33037.8	33416.6	33511.6	33416.6	33037.8	31999.0	30352.5	28468.9	25973.7	23406.0
-25°	25961.2	26786.3	27266.0	27466.2	27266.0	26786.3	25961.2	24825.7	23209.2	21411.2	19406.9
-27.5°	21313.8	22048.1	22509.9	22580.9	22509.9	22048.1	21313.8	20428.4	19063.2	17853.5	16330.3
-30°	17800.3	18445.2	18876.7	18994.2	18876.7	18445.2	17800.3	17062.6	16099.1	14949.3	13571.1
-32.5°	14749.4	15301.4	15639.9	15785.8	15639.9	15301.4	14749.4	14055.0	13211.9	12265.6	11197.6
-35°	11922.2	12293.2	12510.1	12438.9	12510.1	12293.2	11922.2	11448.8	10814.7	10017.7	9220.4
-37.5°	9773.5	10072.0	10234.5	10243.2	10234.5	10072.0	9773.5	9342.0	8803.9	8190.1	7447.3
-40°	7750.1	8053.4	8236.1	8246.4	8236.1	8053.4	7750.1	7362.3	6894.1	6317.6	5534.1
-42.5°	5667.2	5977.7	6189.7	6327.8	6189.7	5977.7	5667.2	5231.2	4683.0	4044.4	3355.8
-45°	3240.8	3509.1	3713.6	3862.1	3713.6	3509.1	3240.8	2889.5	2468.4	1955.1	1413.4
-47.5°	1432.3	1475.8	1494.7	1488.7	1494.7	1475.8	1432.3	1373.0	1293.6	1201.2	1102.7
-50°	1100.4	1126.1	1139.1	1138.7	1139.1	1126.1	1100.4	1070.8	1038.6	1003.4	965.0
-52.5°	957.8	964.3	968.1	970.0	968.1	964.3	957.8	949.6	939.2	926.0	911.5
-55°	904.8	918.4	923.5	922.0	923.5	918.4	904.8	887.5	866.5	841.9	814.2
-57.5°	778.2	794.9	806.1	811.9	806.1	794.9	778.2	757.3	732.7	703.4	669.7
-60°	606.3	616.2	622.5	625.3	622.5	616.2	606.3	591.9	572.9	548.5	520.8
-62.5°	465.7	477.1	482.8	485.0	482.8	477.1	465.7	452.2	436.8	419.3	397.7
-65°	361.7	370.0	374.6	376.6	374.6	370.0	361.7	351.7	340.3	324.1	303.9
-67.5°	265.6	269.3	271.2	271.8	271.2	269.3	265.6	260.4	253.5	242.0	225.4
-70°	198.4	203.8	207.3	209.6	207.3	203.8	198.4	192.3	185.6	176.8	164.4
-72.5°	143.1	145.8	147.9	149.2	147.9	145.8	143.1	139.7	135.6	129.9	120.5
-75°	90.7	91.7	92.2	92.4	92.2	91.7	90.7	89.3	87.5	84.8	79.5
-77.5°	59.0	59.9	61.2	62.2	61.2	59.9	59.0	57.8	56.6	54.9	51.2
-80°	37.3	37.1	37.3	37.3	37.3	37.1	37.3	37.4	37.4	37.0	34.7
-82.5°	24.7	24.8	24.9	24.9	24.9	24.8	24.7	24.6	24.4	24.1	23.0
-85°	17.7	17.8	17.8	17.8	17.8	17.8	17.7	17.6	17.5	17.4	16.4
-87.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.0
-90°	2.3	1.8	0.9	0.0	0.9	1.8	2.3	2.7	3.2	3.6	4.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.5	10.2	8.9	8.5	8.0	7.6	7.1	7.1	7.1	7.1	7.1
87.5°	4.5	4.9	5.3	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1
85°	6.0	6.4	6.8	6.8	6.9	7.0	7.1	7.1	7.1	7.1	7.1
82.5°	6.2	6.7	7.1	7.1	7.1	7.1	7.1	7.3	7.4	7.4	7.3
80°	6.3	6.7	7.1	7.1	7.1	7.1	7.2	7.6	8.1	8.4	8.6
77.5°	6.3	6.7	7.2	7.3	7.4	7.4	7.4	7.7	8.1	8.6	8.9
75°	6.3	6.8	7.3	7.9	8.3	8.7	8.9	9.1	9.2	9.3	9.3
72.5°	8.0	8.3	8.7	9.2	9.5	10.1	10.4	10.5	10.6	10.7	10.3
70°	10.2	10.9	11.9	13.0	13.7	14.0	13.7	13.0	12.3	12.0	11.4
67.5°	11.2	12.1	14.0	16.1	17.5	18.5	18.5	17.5	16.3	15.4	13.3
65°	11.3	12.2	14.8	17.4	19.9	22.1	24.2	24.5	23.4	20.8	16.1
62.5°	11.0	12.2	14.0	16.3	19.2	23.8	29.5	31.9	32.3	28.4	21.8
60°	9.6	10.9	12.4	14.1	16.2	22.6	31.7	38.4	42.5	36.0	27.1
57.5°	8.6	9.3	10.5	11.9	13.7	21.5	31.8	43.0	50.4	40.6	31.7
55°	8.7	9.2	9.7	10.2	11.4	19.1	28.9	40.1	47.2	41.9	31.9
52.5°	8.8	9.4	9.9	10.4	12.1	16.8	23.6	34.2	38.1	34.2	28.9
50°	9.0	9.5	10.0	10.6	12.3	15.4	20.5	27.8	28.1	26.8	22.5
47.5°	11.8	11.2	10.6	10.8	12.1	14.1	17.7	21.0	22.0	20.6	17.6
45°	15.4	14.8	13.7	13.2	12.6	13.6	15.6	17.7	18.5	17.9	14.6
42.5°	21.6	20.5	18.2	18.3	16.5	15.5	15.4	17.1	17.3	16.9	16.5
40°	39.8	34.1	33.5	29.8	25.8	20.9	20.4	19.5	19.2	17.4	20.4
37.5°	75.3	66.9	66.5	61.7	50.3	35.1	29.9	26.5	23.7	25.3	27.7
35°	133.7	122.2	116.2	108.3	94.1	69.5	45.8	37.3	33.8	35.8	37.7
32.5°	239.3	224.2	183.7	168.6	170.2	125.6	82.2	54.0	51.2	50.3	48.6
30°	389.2	388.8	331.0	288.3	307.2	255.5	138.4	100.6	76.9	68.1	61.7
27.5°	736.6	646.1	573.1	540.7	510.5	442.8	311.7	172.5	115.4	92.7	81.9
25°	1338.5	1064.9	997.1	895.1	782.7	710.3	529.1	330.0	194.1	125.6	121.5
22.5°	2286.1	1993.7	1688.1	1344.3	1242.6	1092.7	853.2	515.9	314.2	235.3	183.2
20°	3959.3	3430.4	2781.2	2565.3	2133.1	1582.4	1259.0	975.4	707.6	426.6	263.9
17.5°	7649.2	6128.7	5289.3	4834.0	3708.0	2557.3	2375.6	1970.4	1268.3	668.1	360.3
15°	13438.4	11997.1	10352.0	8269.4	6392.1	5180.1	4301.4	3248.6	2042.7	1075.4	579.0
12.5°	22775.4	19586.2	16608.7	12856.4	10559.9	8520.2	6801.8	4966.8	3137.7	1795.9	961.0
10°	32538.7	27945.1	23347.9	18608.3	15029.8	12210.3	9306.7	6532.2	4304.6	2647.9	1398.2
7.5°	43363.4	36943.2	30538.1	24082.3	19135.2	15314.2	11377.9	7888.2	5382.5	3530.2	1868.5
5°	52036.7	44002.3	36201.2	28603.1	22897.6	18415.5	13485.9	9117.6	6365.8	4405.7	2345.3
2.5°	57796.7	48651.1	41018.5	32557.3	26195.3	21007.4	15421.6	10329.5	7091.4	4909.8	2542.0
0°	61880.2	52079.4	43665.9	34165.3	27762.9	22220.2	16985.0	11511.6	7647.8	5256.6	2684.3
-2.5°	60836.7	50914.5	43168.9	33630.9	27125.9	21943.7	16648.4	12108.6	8308.6	5553.8	2731.5
-5°	56698.7	46981.8	39434.2	31046.7	24937.5	20284.6	15597.9	11872.8	8461.4	5602.6	2710.6
-7.5°	50783.2	42331.7	35111.7	27810.8	22244.0	18023.8	14044.4	10766.9	7760.7	5071.5	2512.6
-10°	43889.6	36870.8	30386.0	24360.4	19656.0	15703.7	12409.0	9591.5	6969.8	4456.7	2251.7
-12.5°	37759.5	31527.0	25751.3	20835.2	17355.9	13830.0	10975.4	8466.5	6112.6	3782.7	1930.6
-15°	31490.4	27024.7	22485.3	18400.0	15064.0	12034.3	9654.9	7563.1	5343.6	3080.4	1551.3
-17.5°	27614.4	23352.8	19443.9	16367.8	13134.8	10450.3	8550.0	6653.4	4519.8	2452.3	1171.9
-20°	24370.1	20609.6	17285.6	14254.9	11408.4	9119.5	7551.6	5666.0	3601.9	1939.1	1056.6



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	21014.8	18230.1	15250.1	12214.9	9779.4	8006.7	6416.8	4599.7	2597.0	1382.7	934.6
-25°	17723.4	15751.3	13243.8	10757.4	8458.9	6761.8	5235.9	3474.7	1959.6	1045.4	817.5
-27.5°	14807.7	13148.0	11554.6	9391.9	7472.1	5641.6	4014.7	2417.2	1298.5	918.9	758.8
-30°	12174.8	10937.0	9665.0	8183.7	6366.6	4566.2	2791.1	1657.9	1018.0	810.1	713.4
-32.5°	10006.9	9050.9	7969.9	6703.7	5013.9	3197.2	1916.7	1083.1	868.2	760.6	698.1
-35°	8317.6	7343.9	6292.1	4906.6	3300.8	2053.3	1151.2	932.7	794.9	720.8	691.3
-37.5°	6602.3	5601.8	4329.0	3010.5	1942.6	1186.0	986.2	845.2	746.8	712.8	663.8
-40°	4570.8	3478.9	2506.9	1536.0	1171.6	1006.3	888.1	790.0	746.3	689.7	624.5
-42.5°	2557.8	1722.3	1260.9	1116.6	986.9	905.9	830.1	785.7	726.6	650.2	566.1
-45°	1285.8	1155.3	1035.7	969.1	895.9	852.4	820.3	752.8	676.2	588.3	500.7
-47.5°	1043.6	988.4	931.9	897.0	864.2	824.2	758.8	689.1	599.3	514.3	440.2
-50°	935.6	912.9	889.9	859.0	799.9	739.6	669.2	593.5	515.4	444.8	378.3
-52.5°	892.5	851.9	806.7	757.5	694.7	626.9	559.2	499.7	436.3	376.1	318.6
-55°	783.3	736.7	682.6	625.8	568.3	515.0	461.5	411.0	362.5	309.0	262.9
-57.5°	631.8	590.3	546.6	501.3	454.6	411.1	369.4	328.0	292.3	250.5	209.2
-60°	490.2	456.4	423.0	387.7	350.6	314.3	286.2	256.8	226.1	194.1	160.6
-62.5°	371.4	339.9	315.0	291.8	265.7	238.1	214.8	192.3	167.5	140.6	119.3
-65°	282.7	260.8	239.4	217.9	195.9	173.7	154.3	136.7	120.4	102.9	85.0
-67.5°	207.2	187.3	168.6	152.5	138.9	123.3	109.5	95.4	85.3	76.3	66.0
-70°	151.7	139.0	126.6	113.1	100.1	88.8	80.7	73.4	65.3	56.8	47.9
-72.5°	111.1	101.9	92.6	83.6	75.2	66.9	58.9	51.6	44.4	37.6	31.4
-75°	73.9	67.9	61.5	54.7	47.6	40.4	35.7	32.7	29.4	25.9	22.0
-77.5°	47.4	43.7	39.9	36.2	32.5	28.9	25.6	22.9	20.7	18.6	16.7
-80°	32.3	30.0	27.8	25.6	23.4	21.4	19.6	17.8	16.2	14.7	13.5
-82.5°	21.8	20.5	19.2	17.9	16.6	15.2	13.9	13.0	12.2	11.6	11.1
-85°	15.4	14.5	13.5	12.6	11.7	10.8	10.0	10.0	9.9	9.8	9.6
-87.5°	11.5	11.1	10.5	10.0	9.6	9.1	8.6	8.5	8.5	8.4	8.4
-90°	4.5	4.9	5.3	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.4	7.5
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.5	7.7	7.9
82.5°	7.1	7.1	7.1	7.1	7.4	7.6	7.6	7.6	7.8	8.0	8.3
80°	8.4	8.1	7.9	7.7	7.8	8.1	8.3	8.3	8.3	8.4	8.6
77.5°	8.9	8.9	8.9	8.7	8.5	8.5	8.7	8.9	8.8	8.7	8.7
75°	8.9	8.9	8.9	8.9	8.9	8.9	8.8	8.9	8.9	8.9	8.8
72.5°	9.7	9.2	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
70°	10.5	9.6	9.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
67.5°	11.6	10.6	9.7	9.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9
65°	13.7	11.9	10.6	9.7	9.1	8.9	8.9	8.9	8.9	8.9	8.9
62.5°	16.6	13.1	11.5	10.4	9.5	9.0	8.9	8.9	8.9	8.9	8.9
60°	20.2	15.2	12.5	11.2	10.0	9.1	8.9	8.9	8.9	8.9	8.9
57.5°	23.1	16.7	14.3	12.3	10.7	9.5	8.9	8.9	8.9	8.9	8.9
55°	24.2	18.1	16.0	13.9	11.8	10.2	9.2	8.9	8.9	8.9	8.9
52.5°	21.6	18.7	17.4	15.4	13.2	11.0	9.9	8.9	8.9	8.9	8.9
50°	17.0	17.7	17.7	16.3	14.5	12.3	10.5	9.4	8.9	8.9	9.0
47.5°	15.0	16.7	17.0	16.8	15.2	13.5	11.5	10.0	8.9	8.9	9.1
45°	15.4	16.0	16.6	16.3	15.7	14.2	12.3	10.6	9.4	9.1	9.3
42.5°	17.0	17.1	16.8	16.1	15.9	14.7	13.1	11.3	9.9	9.3	9.5
40°	20.5	19.4	17.9	17.6	16.2	15.2	13.5	11.8	10.4	9.7	9.7
37.5°	25.1	23.2	20.7	21.2	17.6	15.7	13.9	12.2	11.1	10.3	10.0
35°	34.7	28.4	26.9	26.7	22.4	16.4	14.3	12.6	11.9	10.9	10.3
32.5°	47.0	38.2	35.7	33.2	28.6	17.3	14.9	13.7	12.7	11.5	10.7
30°	60.2	55.6	46.0	40.5	35.8	23.1	16.5	15.1	13.6	12.1	11.1
27.5°	81.1	75.0	58.7	49.9	42.7	30.6	19.8	16.6	14.5	12.8	11.6
25°	109.3	96.6	77.0	60.6	50.0	48.5	23.9	18.4	15.7	13.5	12.1
22.5°	148.8	121.8	96.6	72.1	79.4	71.3	33.5	21.6	17.0	14.3	12.6
20°	194.6	150.5	127.1	121.1	116.0	96.4	50.4	25.2	18.5	15.1	13.0
17.5°	249.7	221.1	211.6	182.7	157.0	125.3	69.9	29.2	20.0	15.8	13.5
15°	406.3	346.3	305.2	251.7	201.3	157.3	91.3	33.4	21.6	16.6	13.8
12.5°	591.7	479.1	405.6	326.5	248.0	191.5	114.1	37.7	23.2	17.2	13.9
10°	784.0	617.3	510.8	405.1	296.4	227.1	137.3	42.6	25.3	17.8	14.0
7.5°	979.3	758.3	618.7	485.6	344.5	262.1	162.8	48.3	27.5	18.3	14.1
5°	1156.5	880.7	707.1	550.2	387.3	294.7	187.7	53.9	29.7	18.7	14.2
2.5°	1253.9	970.2	779.7	608.8	428.4	325.4	210.7	59.2	31.8	19.2	14.2
0°	1339.5	1053.5	847.4	662.6	467.2	353.5	230.9	64.0	33.8	19.5	14.2
-2.5°	1339.9	1040.2	844.7	679.0	486.4	364.3	239.7	78.1	42.5	24.3	15.9
-5°	1326.9	1020.5	837.9	689.6	501.8	371.9	245.1	91.3	50.7	28.8	17.4
-7.5°	1267.6	981.6	820.8	691.9	512.8	376.3	247.4	103.3	58.2	33.0	18.9
-10°	1188.3	929.6	789.6	670.3	508.3	375.1	246.7	113.7	64.9	36.7	20.1
-12.5°	1097.1	875.0	759.1	646.6	498.3	369.1	242.2	121.7	70.6	39.7	21.1
-15°	994.5	818.9	730.9	621.9	485.1	360.6	235.9	127.6	75.4	42.2	21.7
-17.5°	884.8	762.3	706.2	597.1	468.7	349.9	228.0	131.6	78.8	44.3	22.7
-20°	826.5	725.0	683.4	573.2	449.4	337.2	219.0	133.5	80.9	45.6	23.9



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	775.4	705.7	650.4	548.2	429.1	322.7	209.1	133.2	81.4	46.0	24.8
-25°	723.0	687.1	617.5	515.3	409.4	307.2	203.1	130.4	80.3	45.4	25.2
-27.5°	693.8	664.3	585.0	479.9	382.7	292.0	199.1	128.8	78.2	43.8	25.2
-30°	675.3	627.8	545.3	443.6	353.8	268.6	192.1	125.1	76.3	42.9	24.7
-32.5°	661.3	593.1	501.5	409.7	324.8	243.6	177.8	119.0	72.9	42.2	24.5
-35°	630.5	550.3	456.2	373.6	295.1	223.0	160.8	110.6	68.1	40.8	24.0
-37.5°	595.3	501.7	415.0	337.5	264.0	200.9	145.2	99.1	61.9	38.8	22.9
-40°	539.7	452.9	373.4	302.4	236.7	177.4	128.1	88.3	57.7	36.1	21.3
-42.5°	481.6	404.9	333.1	266.1	209.6	156.8	110.1	76.7	52.5	33.4	19.2
-45°	426.9	356.3	291.6	234.5	181.9	134.7	96.4	65.1	46.5	30.2	17.3
-47.5°	370.8	309.0	252.1	201.0	155.7	113.0	81.8	57.7	40.0	26.2	16.3
-50°	317.4	262.7	213.4	169.1	127.4	96.0	67.9	49.6	34.2	21.2	15.1
-52.5°	266.3	218.6	176.4	137.2	105.6	78.2	58.1	41.1	28.1	18.3	13.7
-55°	217.2	177.3	140.7	110.5	84.5	64.7	47.5	33.8	21.7	16.4	12.3
-57.5°	172.8	137.7	110.9	86.4	67.6	52.0	38.0	26.1	18.5	14.4	11.9
-60°	130.3	106.7	83.7	67.8	53.5	40.3	28.9	19.9	16.2	12.7	11.5
-62.5°	97.9	78.6	65.3	52.4	40.7	30.0	20.7	17.3	13.8	12.3	11.1
-65°	73.4	61.2	48.7	38.9	29.1	21.3	17.8	14.6	12.9	11.8	10.8
-67.5°	55.1	45.0	34.9	25.9	21.0	17.6	14.7	13.4	12.4	11.3	10.8
-70°	38.9	29.8	23.5	19.5	16.4	14.1	13.5	12.8	11.8	11.2	10.8
-72.5°	26.4	21.6	17.3	14.2	13.7	13.2	12.7	12.1	11.4	11.0	10.7
-75°	18.0	15.8	14.1	13.1	12.8	12.4	12.0	11.5	11.0	10.7	10.3
-77.5°	15.1	13.8	12.8	12.1	11.8	11.5	11.2	10.9	10.5	10.2	9.8
-80°	12.8	12.1	11.6	11.2	10.9	10.7	10.4	10.1	9.8	9.6	9.3
-82.5°	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.2	8.9	8.7
-85°	9.5	9.4	9.3	9.2	9.0	8.9	8.8	8.6	8.5	8.3	8.2
-87.5°	8.3	8.3	8.2	8.1	8.1	8.0	7.9	7.9	7.8	7.7	7.6
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.6	7.5	7.4	7.3	7.3	7.1	7.1
85°	8.0	7.9	7.7	7.6	7.4	7.2	7.1
82.5°	8.5	8.3	8.0	7.8	7.6	7.2	7.1
80°	8.9	8.7	8.3	8.0	7.7	7.3	7.1
77.5°	8.9	8.9	8.7	8.3	7.9	7.3	7.1
75°	8.9	8.9	8.9	8.5	8.0	7.3	7.1
72.5°	8.9	8.9	8.9	8.7	8.1	7.4	7.1
70°	8.9	8.9	8.9	8.9	8.3	7.4	7.1
67.5°	8.9	8.9	8.9	8.9	8.4	7.4	7.1
65°	8.9	8.9	8.9	8.9	8.5	7.4	7.1
62.5°	8.9	8.9	8.9	8.9	8.6	7.5	7.1
60°	8.9	8.9	8.9	8.9	8.7	7.5	7.1
57.5°	8.9	8.9	8.9	8.9	8.6	7.5	7.1
55°	8.9	8.9	8.9	8.9	8.6	7.5	7.1
52.5°	8.9	8.9	8.9	8.9	8.6	7.5	7.1
50°	8.9	8.9	8.9	8.9	8.6	7.5	7.1
47.5°	8.9	8.9	8.9	8.9	8.6	7.5	7.1
45°	9.1	8.9	8.9	8.9	8.6	7.6	7.1
42.5°	9.2	8.9	8.9	8.9	8.6	7.5	7.1
40°	9.4	8.9	8.9	8.9	8.6	7.5	7.1
37.5°	9.7	8.9	8.9	8.9	8.6	7.5	7.1
35°	9.9	9.0	8.9	8.9	8.6	7.5	7.1
32.5°	10.2	9.2	8.9	8.9	8.6	7.5	7.1
30°	10.5	9.4	8.9	8.9	8.7	7.5	7.1
27.5°	10.7	9.6	8.9	8.9	8.7	7.5	7.1
25°	11.1	9.8	8.9	8.9	8.7	7.4	7.1
22.5°	11.4	10.0	8.9	8.9	8.7	7.4	7.1
20°	11.7	10.1	8.9	8.9	8.8	7.4	7.1
17.5°	11.9	10.3	8.9	8.9	8.8	7.4	7.1
15°	12.0	10.4	8.9	8.9	8.8	7.3	7.1
12.5°	12.2	10.5	8.9	8.9	8.8	7.3	7.1
10°	12.2	10.6	8.9	8.9	8.9	7.3	7.1
7.5°	12.3	10.6	8.9	8.9	8.9	7.2	7.1
5°	12.4	10.7	8.9	8.9	8.9	7.2	7.1
2.5°	12.4	10.7	8.9	8.9	8.9	7.1	7.1
0°	12.4	10.7	8.9	8.9	8.9	7.1	7.1
-2.5°	12.6	10.9	9.1	8.9	8.9	7.1	7.1
-5°	12.8	11.0	9.2	8.9	8.9	7.2	7.1
-7.5°	13.0	11.2	9.4	8.9	8.9	7.2	7.1
-10°	13.2	11.3	9.5	8.9	8.9	7.3	7.1
-12.5°	13.3	11.4	9.6	8.9	8.8	7.3	7.1
-15°	13.5	11.5	9.7	8.9	8.8	7.3	7.1
-17.5°	13.5	11.6	9.8	8.9	8.8	7.4	7.1
-20°	14.0	11.7	9.8	8.9	8.8	7.4	7.1



REPORT NUMBER: P731468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.8	11.7	9.9	8.9	8.7	7.4	7.1
-25°	15.3	11.8	9.9	8.9	8.7	7.4	7.1
-27.5°	15.5	11.8	9.8	8.9	8.7	7.5	7.1
-30°	15.4	11.7	9.7	8.9	8.7	7.5	7.1
-32.5°	15.0	11.6	9.6	8.9	8.6	7.5	7.1
-35°	14.7	11.3	9.5	8.9	8.6	7.5	7.1
-37.5°	14.4	11.1	9.4	8.9	8.6	7.5	7.1
-40°	14.0	10.9	9.3	8.9	8.6	7.5	7.1
-42.5°	13.4	10.7	9.2	8.9	8.6	7.5	7.1
-45°	12.7	10.5	9.3	9.0	8.6	7.6	7.1
-47.5°	11.9	10.3	9.3	9.0	8.6	7.5	7.1
-50°	11.5	10.1	9.4	9.0	8.6	7.5	7.1
-52.5°	11.2	9.8	9.4	9.0	8.6	7.5	7.1
-55°	10.9	9.9	9.5	9.0	8.6	7.5	7.1
-57.5°	10.6	9.9	9.5	9.0	8.6	7.5	7.1
-60°	10.4	10.0	9.6	9.0	8.7	7.5	7.1
-62.5°	10.4	10.0	9.5	9.0	8.6	7.5	7.1
-65°	10.5	10.0	9.4	9.0	8.5	7.4	7.1
-67.5°	10.5	10.0	9.3	9.0	8.4	7.4	7.1
-70°	10.5	9.8	9.2	8.9	8.3	7.4	7.1
-72.5°	10.2	9.5	9.1	8.7	8.1	7.4	7.1
-75°	9.8	9.3	8.9	8.5	8.0	7.3	7.1
-77.5°	9.4	9.0	8.7	8.3	7.9	7.3	7.1
-80°	9.0	8.7	8.3	8.0	7.7	7.3	7.1
-82.5°	8.5	8.3	8.0	7.8	7.6	7.2	7.1
-85°	8.0	7.9	7.7	7.6	7.4	7.2	7.1
-87.5°	7.6	7.5	7.4	7.3	7.3	7.1	7.1
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

