

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: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-2S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-40-70-2S-CV5
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

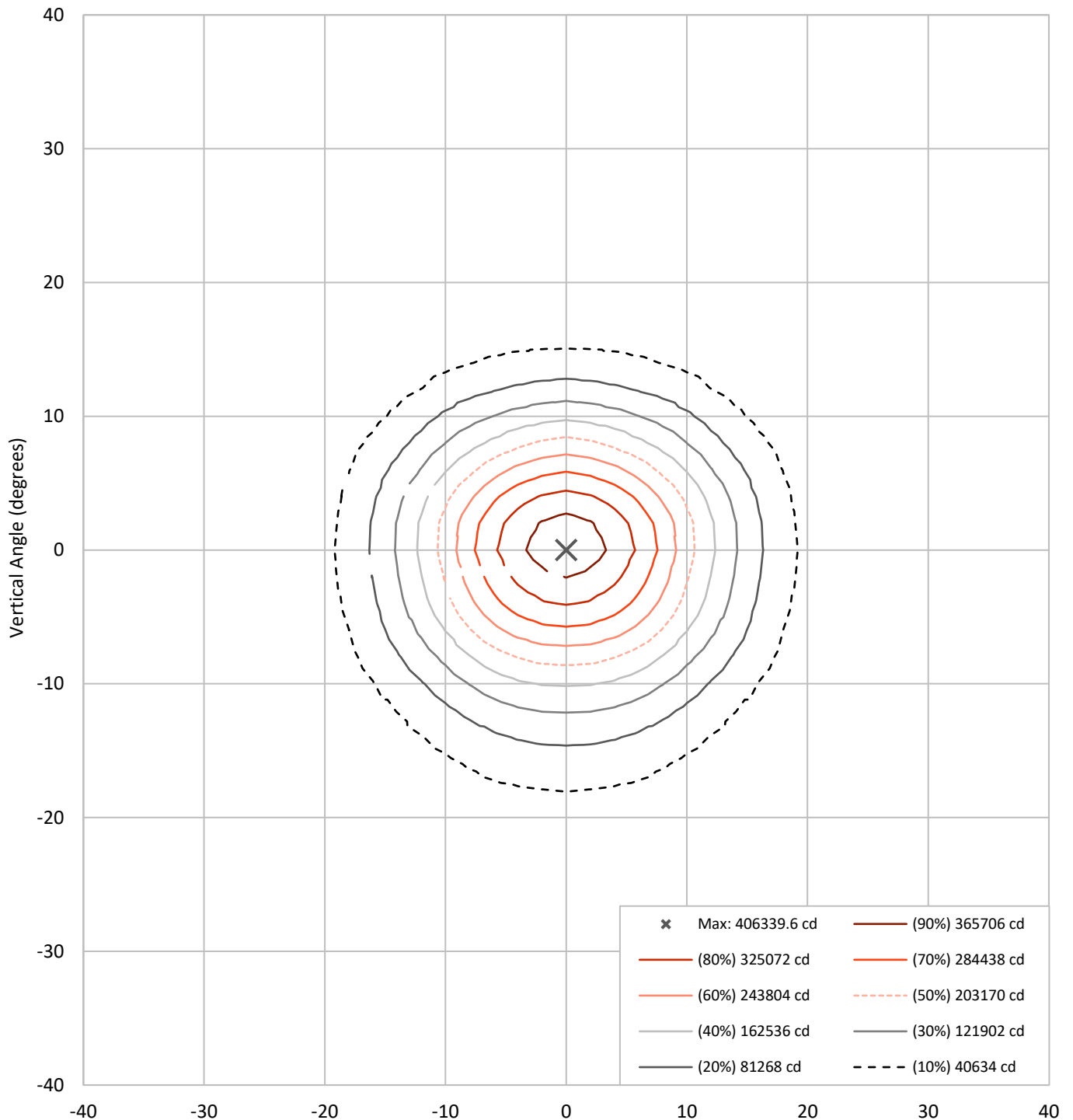
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	54806.9 lumens	Max Intensity:	406339.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	97.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	23984.8 lumens	Field Lumens:	46424.3 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 561.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





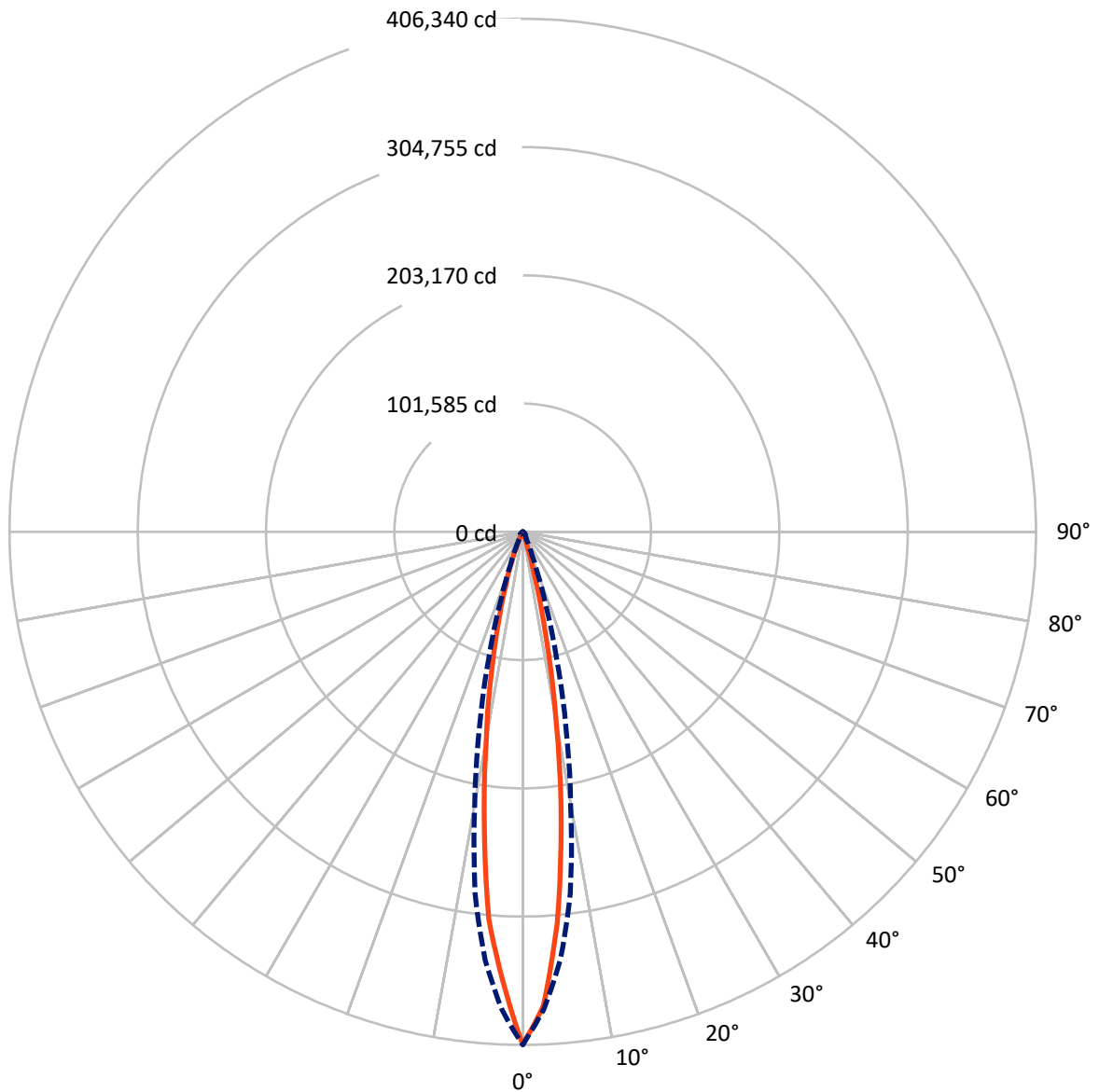
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Lumen Table

90	0.1		0.4		0.6		0.7		0.9		0.7		0.6		0.4		0.1	
80	0.1		0.4		0.6		0.7		0.9		0.7		0.6		0.4		0.1	
70	0.2	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.2		
60		0.1	0.4	0.5	0.4	0.2	0.1	0.2	0.2	0.1	0.2	0.4	0.5	0.4	0.1			
50	0.2	0.2	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.2	0.2		
40		0.2	0.5	0.8	1.5	2.0	2.3	2.7	2.7	2.3	2.0	1.5	0.8	0.5	0.2			
30	0.3	0.4	1.4	3.5	6.8	8.8	15.6	32.9	32.9	15.6	8.8	6.8	3.5	1.4	0.4	0.3		
20		1.1	5.0	16.8	35.2	63.9	440.9	1358.1	1358.1	440.9	63.9	35.2	16.8	5.0	1.1			
10	0.4	1.9	10.5	41.0	82.1	260.8	2545.7	7567.3	7567.3	2545.7	260.8	82.1	41.0	10.5	1.9	0.4		
0		2.5	12.4	47.9	93.7	272.1	2598.4	7608.1	7608.1	2598.4	272.1	93.7	47.9	12.4	2.5			
-10	0.6	2.7	10.9	35.8	72.4	117.4	717.5	2131.5	2131.5	717.5	117.4	72.4	35.8	10.9	2.7	0.6		
-20		2.6	9.1	21.2	53.9	76.5	115.6	242.6	242.6	115.6	76.5	53.9	21.2	9.1	2.6			
-30	0.5	2.3	7.4	14.7	33.0	63.1	80.3	86.3	86.3	80.3	63.1	33.0	14.7	7.4	2.3	0.5		
-40		1.6	5.5	11.8	19.9	32.3	52.4	68.2	68.2	52.4	32.3	19.9	11.8	5.5	1.6			
-50	0.3	0.8	3.2	7.4	13.5	19.7	24.3	27.0	27.0	24.3	19.7	13.5	7.4	3.2	0.8	0.3		
-60		0.3	1.1	3.1	6.0	9.3	12.5	14.6	14.6	12.5	9.3	6.0	3.1	1.1	0.3			
-70	0.2	1.0	2.8	6.9	10.7	6.9	2.8	1.0	0.2	0.2								
-80		1.0	2.8	6.9	10.7	6.9	2.8	1.0	0.2									
-90	0.2		1.0		2.8		6.9		10.7		6.9		2.8		1.0		0.2	

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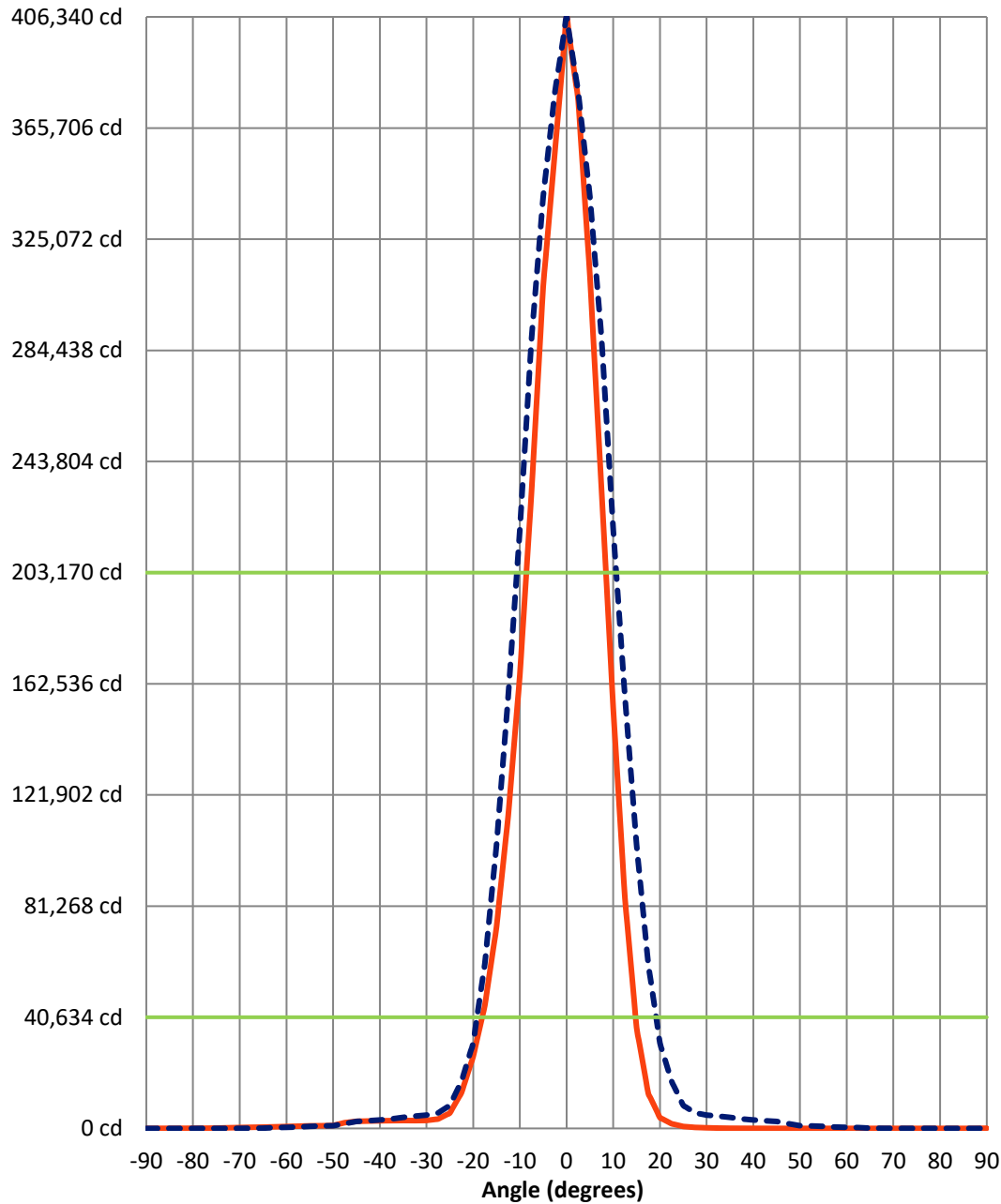
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.3°
 V Angle: 17°
 Lumens: 23984.8
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 46424.3
 Efficiency: 84.7%

Spill:
 Lumens: 8382.6
 Efficiency: 15.3%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.8	6.8	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.7	10.1
87.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.2	6.0	5.8
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.6	6.5	6.5	6.5
82.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
75°	6.8	6.8	6.8	6.8	6.8	6.9	6.8	6.8	6.8	6.8	6.8
72.5°	6.8	6.8	6.8	6.8	7.0	7.1	6.9	6.8	6.8	6.8	6.8
70°	6.8	6.8	6.8	6.8	7.1	7.2	6.9	6.8	6.8	6.8	6.9
67.5°	6.8	6.8	6.8	7.0	7.3	7.3	7.0	6.8	6.8	7.1	7.0
65°	6.8	6.8	6.8	7.2	7.5	7.4	7.0	6.8	7.2	7.3	7.2
62.5°	6.8	6.8	6.8	7.3	7.7	7.5	7.1	7.1	7.6	7.6	7.2
60°	6.8	6.8	6.8	7.5	7.9	7.5	7.1	7.6	8.0	7.7	7.3
57.5°	6.8	6.8	6.9	7.7	7.9	7.5	7.5	8.0	8.1	7.8	7.8
55°	6.8	6.8	7.0	7.9	8.0	7.6	7.9	8.5	8.2	8.0	8.5
52.5°	6.8	6.8	7.2	8.1	8.0	7.7	8.4	8.7	8.3	8.6	9.2
50°	6.8	6.8	7.3	8.3	8.0	8.0	8.8	8.8	8.5	9.2	10.6
47.5°	6.8	6.8	7.4	8.4	8.1	8.4	9.1	9.0	9.0	9.8	11.8
45°	6.8	6.8	7.5	8.4	8.1	8.7	9.3	9.3	9.6	10.5	12.8
42.5°	6.8	6.8	7.6	8.5	8.2	9.0	9.6	9.7	10.2	11.1	14.1
40°	6.8	6.8	7.7	8.5	8.3	9.3	9.8	10.2	10.9	11.5	15.4
37.5°	6.8	6.8	7.8	8.6	8.6	9.6	10.1	10.7	11.7	12.7	16.5
35°	6.8	6.8	7.9	8.6	8.8	9.9	10.5	11.2	12.6	14.6	17.1
32.5°	6.8	6.8	8.0	8.7	9.0	10.1	10.8	11.7	13.6	16.4	18.5
30°	6.8	6.8	8.0	8.7	9.2	10.4	11.2	12.3	14.6	18.2	20.2
27.5°	6.8	6.8	8.1	8.8	9.4	10.6	11.6	13.1	15.9	20.1	22.2
25°	6.8	6.8	8.2	8.9	9.6	10.9	12.0	14.0	17.4	21.8	24.6
22.5°	6.8	6.8	8.2	9.0	9.7	11.1	12.4	14.9	18.9	23.6	29.2
20°	6.8	6.8	8.3	9.1	9.8	11.3	12.8	15.8	20.4	25.5	34.4
17.5°	6.8	6.8	8.3	9.3	9.9	11.4	13.1	16.7	21.8	27.5	40.0
15°	6.8	6.8	8.4	9.4	10.0	11.5	13.4	17.5	23.2	29.6	45.8
12.5°	6.8	6.8	8.4	9.5	10.0	11.6	13.7	18.1	24.5	31.7	51.7
10°	6.8	6.8	8.4	9.6	10.1	11.7	14.1	18.7	25.8	35.3	58.8
7.5°	6.8	6.8	8.5	9.8	10.1	11.7	14.4	19.2	27.1	39.2	68.2
5°	6.8	6.8	8.5	9.9	10.1	11.8	14.7	19.6	28.3	43.2	77.5
2.5°	6.8	6.8	8.5	10.0	10.1	11.8	15.0	20.0	29.4	47.0	86.4
0°	6.8	6.8	8.5	10.1	10.1	11.8	15.2	20.3	30.4	50.7	94.7
-2.5°	6.8	6.8	8.6	10.2	10.4	12.2	16.5	24.2	38.3	62.7	110.0
-5°	6.8	6.9	8.6	10.3	10.7	12.5	17.8	28.0	45.9	74.2	124.2
-7.5°	6.8	6.9	8.7	10.4	11.0	12.9	19.0	31.5	52.9	84.9	137.2
-10°	6.8	6.9	8.7	10.5	11.3	13.2	20.0	34.6	59.2	94.7	148.9
-12.5°	6.8	7.0	8.8	10.5	11.5	13.5	20.8	37.2	64.7	103.3	158.9
-15°	6.8	7.0	8.8	10.6	11.8	13.7	21.5	39.2	69.6	110.6	167.2
-17.5°	6.8	7.0	8.8	10.6	12.0	14.0	21.9	41.3	74.0	116.8	173.6
-20°	6.8	7.1	8.8	10.7	12.2	14.2	22.3	43.1	77.3	121.7	178.2



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.8	7.1	8.9	10.7	12.3	14.4	22.8	44.1	79.4	125.1	180.7
-25°	6.8	7.1	8.9	10.7	12.5	14.8	22.9	44.0	80.3	127.2	181.1
-27.5°	6.8	7.1	8.9	10.7	12.5	15.0	22.5	42.9	79.7	127.8	182.7
-30°	6.8	7.2	8.9	10.7	12.6	15.2	21.6	40.7	78.3	126.9	182.5
-32.5°	6.8	7.2	8.8	10.7	12.7	15.3	20.3	39.3	75.7	124.1	180.3
-35°	6.8	7.2	8.8	10.6	12.7	15.3	19.8	37.6	71.5	119.5	176.0
-37.5°	6.8	7.2	8.8	10.6	12.7	15.2	19.8	35.1	65.6	112.8	163.6
-40°	6.8	7.2	8.8	10.5	12.7	15.2	19.6	31.9	58.0	104.6	149.3
-42.5°	6.8	7.2	8.7	10.5	12.6	15.1	19.2	27.9	52.0	91.5	133.4
-45°	6.8	7.2	8.7	10.4	12.5	15.0	18.6	24.8	46.4	77.0	116.3
-47.5°	6.8	7.2	8.6	10.3	12.4	14.9	17.9	23.9	39.8	61.7	99.0
-50°	6.8	7.2	8.6	10.2	12.2	14.7	17.5	22.7	31.4	52.2	80.7
-52.5°	6.8	7.2	8.5	10.1	12.0	14.4	17.2	21.4	27.3	42.2	62.3
-55°	6.8	7.2	8.4	10.0	11.8	14.1	16.8	19.9	25.1	31.7	50.6
-57.5°	6.8	7.2	8.4	9.8	11.6	13.8	16.3	19.3	22.9	27.5	38.4
-60°	6.8	7.2	8.3	9.7	11.3	13.4	15.8	18.5	20.9	25.0	29.0
-62.5°	6.8	7.1	8.2	9.5	11.1	13.0	15.3	17.7	19.9	22.6	26.4
-65°	6.8	7.1	8.1	9.3	10.7	12.5	14.7	16.8	18.7	21.0	23.8
-67.5°	6.8	7.1	8.0	9.1	10.4	12.1	14.0	16.0	17.5	19.5	21.8
-70°	6.8	7.1	7.9	8.9	10.1	11.6	13.3	15.1	16.7	18.0	20.0
-72.5°	6.8	7.0	7.8	8.7	9.7	11.0	12.6	14.3	15.9	17.2	18.3
-75°	6.8	7.0	7.6	8.5	9.3	10.5	11.8	13.4	15.1	16.4	17.6
-77.5°	6.8	7.0	7.5	8.3	9.0	9.9	11.0	12.5	14.0	15.5	16.9
-80°	6.8	6.9	7.4	8.1	8.8	9.4	10.2	11.5	12.9	14.3	15.7
-82.5°	6.8	6.9	7.2	7.9	8.5	9.1	9.7	10.7	11.8	13.1	14.3
-85°	6.8	6.9	7.1	7.7	8.2	8.8	9.3	10.1	11.0	11.9	12.9
-87.5°	6.8	6.8	6.9	7.4	7.9	8.4	8.9	9.5	10.2	10.8	11.5
-90°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.4	6.0	5.5	5.1



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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°	10.1	10.1	10.1	10.1	10.5	11.0	11.4	11.8	12.2	12.6	13.1
87.5°	5.7	5.5	5.3	5.1	5.1	5.1	5.1	5.1	4.7	4.3	3.8
85°	6.3	6.0	5.6	5.4	5.4	5.3	5.3	5.1	4.9	4.7	4.6
82.5°	6.6	6.4	6.3	6.3	6.2	5.9	5.6	5.1	5.1	5.1	5.1
80°	6.7	6.8	6.8	6.8	6.4	6.0	5.6	5.2	5.1	5.2	5.2
77.5°	6.8	6.8	6.8	6.8	6.5	6.2	6.1	6.0	6.0	5.9	5.6
75°	6.8	6.8	6.8	6.8	6.7	6.7	6.8	6.8	6.6	6.5	6.5
72.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	8.2	10.1	11.3
70°	6.8	6.8	6.8	6.8	6.8	7.4	9.9	13.1	16.4	18.4	20.5
67.5°	6.8	6.8	6.8	7.1	8.8	11.6	15.3	22.5	30.6	32.9	32.9
65°	6.8	6.8	7.6	9.3	11.6	17.3	25.0	34.5	41.8	40.6	37.6
62.5°	6.8	7.6	9.2	12.1	16.8	23.9	31.2	38.0	45.2	43.2	36.8
60°	7.5	8.6	11.7	16.5	21.5	26.4	33.4	37.8	41.7	41.9	32.3
57.5°	8.3	10.5	15.2	20.0	24.0	27.2	30.1	33.6	34.8	33.9	24.7
55°	9.6	13.1	18.1	22.5	25.2	23.8	25.2	25.9	25.5	23.2	16.2
52.5°	11.8	15.7	20.6	24.2	24.2	21.3	18.9	18.9	17.2	14.1	12.0
50°	13.6	18.1	22.8	24.8	23.0	18.3	14.3	13.8	12.7	11.3	10.1
47.5°	15.5	20.3	24.6	25.2	20.6	16.7	13.2	12.0	11.2	11.0	10.5
45°	17.3	21.7	26.0	23.3	19.4	16.6	14.2	11.8	12.1	12.0	11.4
42.5°	18.9	22.6	24.6	21.8	19.8	17.9	16.2	14.4	13.5	13.8	13.7
40°	19.5	23.1	23.4	22.9	21.1	20.4	20.1	18.8	16.0	17.3	17.7
37.5°	19.7	22.8	24.0	25.8	23.8	24.5	25.2	25.6	23.6	22.4	25.7
35°	19.7	23.3	28.1	30.7	29.4	30.1	33.0	34.2	33.5	32.9	39.1
32.5°	20.1	24.5	33.7	36.8	38.9	39.8	42.3	44.8	47.1	50.9	62.5
30°	22.5	29.8	40.3	43.9	50.5	57.7	55.9	57.2	63.3	86.3	106.2
27.5°	27.4	36.9	47.0	54.4	65.2	80.7	83.1	76.3	96.3	131.3	164.1
25°	33.3	59.4	54.3	67.0	87.7	108.4	118.0	122.5	146.0	193.3	230.1
22.5°	45.8	89.6	87.5	80.8	113.5	140.6	164.4	211.6	277.9	292.8	300.6
20°	67.8	119.4	128.0	134.6	152.4	176.9	218.0	330.9	472.2	524.1	470.1
17.5°	93.9	152.1	173.2	204.1	244.5	252.3	286.2	473.3	716.3	801.0	817.4
15°	123.2	187.1	221.2	281.9	343.2	372.5	471.2	703.7	983.4	1121.8	1217.7
12.5°	154.7	223.8	271.4	366.0	447.2	493.4	704.0	1058.4	1326.8	1488.6	1741.7
10°	187.2	261.5	323.0	454.3	554.7	614.3	961.1	1424.7	1695.2	1879.1	2204.8
7.5°	221.1	297.9	374.0	544.5	664.1	734.5	1231.8	1794.3	2053.9	2254.4	2582.5
5°	253.6	331.5	419.6	620.4	754.9	838.5	1482.7	2157.0	2402.3	2614.9	2908.8
2.5°	283.4	363.6	463.7	690.1	831.0	917.0	1625.4	2364.2	2624.4	2877.4	3199.3
0°	309.4	393.9	505.5	754.0	902.8	992.4	1741.3	2544.4	2813.2	3088.7	3474.2
-2.5°	313.2	403.0	518.4	748.1	889.4	980.8	1711.0	2516.6	2843.4	3164.9	3567.4
-5°	313.0	409.8	527.9	736.3	871.9	965.7	1651.4	2453.1	2832.5	3151.2	3529.1
-7.5°	309.3	413.8	533.7	719.0	845.0	931.9	1537.0	2296.9	2694.7	2975.6	3338.6
-10°	303.2	412.4	525.7	689.5	806.8	886.2	1390.8	2112.5	2549.7	2796.1	3118.9
-12.5°	295.3	406.5	513.1	658.0	769.4	839.4	1221.2	1903.4	2401.4	2617.9	2882.0
-15°	286.2	399.1	498.3	625.7	734.4	792.2	1030.1	1673.0	2254.9	2479.7	2686.6
-17.5°	276.5	390.4	481.5	593.6	702.9	745.2	823.8	1421.6	2046.4	2329.4	2539.0
-20°	266.9	380.7	463.0	562.8	673.1	714.3	765.2	1179.9	1743.2	2155.8	2377.5



REPORT NUMBER: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	257.9	370.0	445.6	537.6	639.7	697.4	736.7	943.6	1423.2	1961.6	2205.1
-25°	254.4	354.3	431.1	514.2	607.8	681.8	710.2	745.0	1131.5	1647.6	2030.5
-27.5°	253.6	341.0	415.1	488.9	576.2	661.6	691.2	716.8	913.8	1332.2	1828.5
-30°	250.3	323.1	397.1	463.8	545.8	625.8	676.6	704.8	749.2	1072.4	1485.6
-32.5°	239.3	304.0	376.0	442.3	514.2	591.5	664.5	699.1	735.5	824.4	1170.6
-35°	225.0	286.6	353.5	418.9	481.9	558.0	633.0	694.6	721.9	763.3	907.6
-37.5°	211.6	267.3	330.3	393.7	454.6	523.4	599.3	668.3	716.1	748.2	799.7
-40°	196.5	246.3	307.0	367.8	426.4	488.9	559.4	630.8	695.3	750.4	790.1
-42.5°	179.5	227.6	282.2	341.0	396.0	455.1	517.5	586.7	659.9	735.4	791.5
-45°	160.3	207.0	256.2	309.6	363.0	418.5	477.5	539.5	613.8	690.8	765.7
-47.5°	139.4	184.3	231.0	276.2	326.8	379.1	434.3	494.9	560.6	633.6	710.6
-50°	117.5	159.3	202.8	244.5	288.4	337.1	388.0	446.2	507.4	571.2	640.3
-52.5°	96.0	132.4	172.7	212.8	251.7	293.3	341.1	393.3	449.7	508.7	566.4
-55°	73.5	106.7	141.2	179.1	216.6	252.6	292.5	339.4	387.8	441.2	492.5
-57.5°	56.3	80.5	111.1	143.6	178.8	214.2	249.9	285.5	327.9	372.5	414.6
-60°	42.2	59.0	81.8	110.0	139.2	172.4	207.4	241.0	273.4	304.2	340.5
-62.5°	29.9	42.9	58.2	77.3	103.0	129.5	159.7	191.8	224.6	251.3	275.6
-65°	27.1	30.0	40.3	54.1	67.9	91.1	115.2	139.1	167.1	192.7	216.8
-67.5°	24.3	27.0	29.6	34.4	46.8	60.1	73.5	94.6	115.4	133.9	152.2
-70°	22.1	24.0	26.3	28.6	31.2	36.8	48.5	60.2	71.9	85.5	101.6
-72.5°	20.0	21.9	23.6	25.1	27.3	30.0	32.8	35.8	42.5	51.9	61.6
-75°	18.6	19.9	21.6	23.2	24.4	25.9	27.8	30.2	32.5	34.6	36.4
-77.5°	17.6	18.5	19.6	21.1	22.1	23.0	24.1	25.4	27.0	28.8	30.7
-80°	16.4	16.9	17.5	18.3	19.1	19.8	20.4	21.1	22.0	23.2	24.5
-82.5°	14.8	15.2	15.6	15.9	16.2	16.6	17.0	17.5	18.0	18.6	19.3
-85°	13.2	13.5	13.8	14.0	13.9	13.9	13.9	13.9	14.2	14.5	14.8
-87.5°	11.7	11.8	11.9	12.0	12.1	12.0	12.0	11.8	11.9	12.0	12.1
-90°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.7	4.3	3.8



REPORT NUMBER: P731456 (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°	13.5	13.5	13.5	13.5	13.5	18.1	22.8	27.4	32.1	40.1	48.1
87.5°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7
85°	4.5	4.3	4.0	3.7	3.4	3.3	3.3	3.3	3.3	2.9	2.5
82.5°	5.1	4.7	4.3	3.9	3.4	3.1	2.7	2.3	1.9	1.8	1.7
80°	5.1	4.7	4.3	3.9	3.5	3.3	3.2	3.2	3.2	3.2	3.3
77.5°	5.3	5.1	4.7	4.1	3.5	3.4	3.4	3.4	3.4	3.1	2.7
75°	6.6	6.5	6.4	5.9	5.2	4.9	4.6	4.1	3.5	3.3	3.3
72.5°	12.0	11.9	11.3	10.6	9.4	8.5	8.3	7.9	7.5	7.4	7.3
70°	21.3	20.9	19.7	17.4	14.1	11.9	11.1	10.0	8.9	8.4	8.4
67.5°	29.9	26.6	23.4	20.0	16.1	13.0	11.5	9.8	8.1	7.2	7.0
65°	33.1	26.5	21.9	18.3	15.4	12.6	10.4	8.4	6.5	5.7	5.9
62.5°	29.8	22.0	17.1	14.0	11.5	9.8	8.1	6.7	5.6	5.1	5.2
60°	23.6	16.0	11.8	9.8	8.2	6.9	6.1	5.3	4.5	4.0	4.2
57.5°	17.1	11.5	8.4	7.7	6.8	5.6	4.9	4.6	4.5	4.5	4.8
55°	11.6	9.6	8.5	7.6	6.7	5.7	5.1	5.1	5.1	5.1	5.1
52.5°	9.6	9.1	8.7	7.9	7.0	6.0	5.1	5.1	5.1	5.1	5.1
50°	9.7	9.3	8.8	8.2	7.3	6.3	5.2	5.3	5.7	6.0	6.1
47.5°	9.9	9.4	9.2	8.6	7.8	7.3	6.8	6.9	7.5	7.8	7.7
45°	10.3	10.4	10.3	10.2	9.5	9.6	9.7	9.8	12.0	11.9	10.5
42.5°	12.7	13.5	14.2	14.7	12.6	16.4	22.2	24.9	21.8	17.6	14.9
40°	19.1	20.0	24.0	25.9	31.9	37.6	32.4	26.3	23.5	25.5	27.1
37.5°	30.4	36.1	43.9	53.1	49.4	39.3	39.6	39.5	38.5	41.8	41.7
35°	50.9	63.8	71.6	70.0	64.7	61.8	64.5	67.5	60.9	66.7	68.2
32.5°	81.9	97.4	99.5	94.2	94.5	99.6	108.9	107.6	109.6	116.3	123.9
30°	118.3	136.6	143.7	134.1	127.1	139.3	144.6	149.2	164.2	183.8	201.4
27.5°	178.0	191.4	203.7	193.5	173.3	188.5	199.1	196.0	237.3	259.4	308.7
25°	253.0	272.0	279.0	282.7	276.0	273.1	299.8	313.5	370.5	431.0	533.7
22.5°	345.5	397.4	412.2	392.9	414.5	429.7	447.8	508.9	622.9	808.4	1073.3
20°	462.9	568.9	654.3	640.5	589.6	654.6	728.2	920.7	1253.9	2003.4	2616.7
17.5°	834.4	836.3	1006.9	1075.4	991.6	1132.7	1493.9	2120.1	3497.7	6025.5	7664.4
15°	1408.6	1446.6	1525.0	1616.9	1767.7	2136.0	2863.7	5488.0	9440.2	14908.3	20519.3
12.5°	2017.2	2103.0	2237.2	2312.4	2620.2	3605.8	6726.9	12473.5	20815.6	31342.5	48804.7
10°	2540.3	2768.4	2941.4	3176.5	3970.5	6285.5	11671.3	21600.8	38416.6	61127.9	87969.9
7.5°	2910.2	3244.0	3536.5	3978.6	5627.5	10293.9	19327.1	35845.9	61245.3	93318.1	130319.6
5°	3282.1	3704.6	4032.6	4615.2	6685.7	13300.6	25321.4	49193.3	85869.6	129530.8	179016.6
2.5°	3660.0	4134.9	4496.4	5217.3	7362.6	14825.2	28362.5	57158.9	102152.2	155315.1	215394.6
0°	4040.5	4490.2	4870.6	5685.5	8414.1	17223.9	31227.1	60199.0	103669.4	157936.1	218919.4
-2.5°	4023.0	4320.0	4668.2	5299.8	7675.1	15855.4	29024.4	56892.1	98140.3	148475.4	203778.1
-5°	3870.0	4078.6	4354.6	4912.7	6866.4	13216.1	25102.4	48631.9	86679.7	132795.4	180463.5
-7.5°	3632.4	3807.4	4013.7	4474.3	5934.2	10518.9	20305.0	39005.3	68761.0	102171.4	138723.9
-10°	3404.4	3539.4	3686.0	4005.2	4943.3	7709.5	14405.0	26430.1	47865.3	72859.7	100676.6
-12.5°	3194.3	3302.0	3379.8	3514.8	3982.1	5584.2	10357.1	18956.4	31270.6	46753.4	67273.9
-15°	2980.2	3071.5	3111.7	3220.0	3525.7	4318.6	6242.6	11652.0	19548.1	29546.7	39951.4
-17.5°	2750.3	2858.7	2919.4	2988.9	3122.2	3450.6	4512.2	6786.7	11560.5	18273.0	24974.5
-20°	2561.3	2689.0	2741.0	2789.3	2912.1	3105.0	3408.1	4430.9	6174.6	10355.1	14522.3



REPORT NUMBER: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2378.7	2493.8	2561.4	2665.2	2824.0	2957.5	3056.9	3300.5	4024.8	5165.5	7202.1
-25°	2212.6	2312.2	2445.6	2644.9	2800.4	2895.8	2914.6	2924.9	3131.4	3357.8	4045.4
-27.5°	2045.4	2186.5	2385.2	2610.0	2794.7	2841.2	2843.8	2840.2	2889.4	2923.7	3094.9
-30°	1896.4	2081.3	2268.8	2508.9	2688.6	2764.2	2796.3	2818.4	2843.7	2875.0	2886.4
-32.5°	1592.7	1970.5	2122.4	2314.6	2541.1	2660.8	2720.9	2772.3	2800.3	2827.6	2849.1
-35°	1259.2	1657.8	2020.2	2144.4	2305.2	2507.9	2658.9	2720.4	2772.1	2801.3	2828.5
-37.5°	947.0	1288.7	1641.2	1971.3	2135.5	2278.8	2471.8	2622.1	2717.0	2754.5	2787.3
-40°	834.5	923.2	1234.5	1537.4	1826.6	2099.7	2260.1	2441.7	2586.7	2660.3	2717.2
-42.5°	830.2	862.8	894.6	1107.3	1376.0	1639.3	1888.3	2121.3	2336.5	2482.8	2591.2
-45°	829.3	852.6	879.1	910.8	942.9	1148.4	1378.6	1609.9	1846.0	2067.5	2266.0
-47.5°	775.4	833.2	865.0	890.4	911.6	938.8	969.8	1028.3	1220.4	1414.0	1608.2
-50°	701.4	759.3	812.2	862.8	888.5	906.1	923.0	942.2	966.5	990.9	1015.8
-52.5°	618.6	673.6	727.5	775.8	817.4	857.4	895.4	912.8	925.7	937.5	947.7
-55°	541.4	588.5	634.2	677.0	718.5	757.5	793.1	823.6	851.7	877.4	897.4
-57.5°	459.5	504.3	546.7	582.7	617.1	649.8	681.3	710.6	737.0	760.3	779.9
-60°	377.2	414.1	451.3	485.7	518.4	549.2	575.3	599.4	621.4	641.6	660.0
-62.5°	299.8	328.5	360.0	388.9	414.8	439.9	467.7	491.8	512.2	530.0	546.6
-65°	239.0	259.6	282.2	304.0	325.1	349.0	375.3	398.2	418.0	434.5	448.7
-67.5°	172.7	192.7	214.4	234.1	252.4	272.3	296.5	319.2	340.5	357.8	371.6
-70°	116.3	130.5	146.8	164.5	182.1	200.9	222.0	242.6	262.4	278.2	291.3
-72.5°	71.4	80.8	90.1	101.8	114.0	128.5	144.7	161.1	177.5	190.9	202.3
-75°	38.0	41.2	48.3	55.0	61.3	69.3	77.6	85.4	92.5	99.1	105.1
-77.5°	32.5	33.8	35.0	36.2	37.3	40.5	44.5	48.7	53.0	57.4	61.8
-80°	25.9	26.9	27.9	28.9	29.9	32.4	35.1	37.8	40.5	43.5	46.4
-82.5°	20.0	20.5	21.0	21.4	21.8	23.6	25.6	27.5	29.5	31.9	34.2
-85°	15.1	15.3	15.5	15.7	15.9	17.4	18.9	20.3	21.7	24.3	26.9
-87.5°	12.1	12.1	12.0	12.0	12.0	13.8	15.6	17.4	19.1	21.2	23.2
-90°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.3	0.9



REPORT NUMBER: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	56.2	64.2	68.4	72.7	68.4	64.2	56.2	48.1	40.1	32.1	27.4
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.9	2.3
80°	3.3	3.4	2.6	1.7	2.6	3.4	3.3	3.3	3.2	3.2	3.2
77.5°	2.2	1.8	2.5	3.4	2.5	1.8	2.2	2.7	3.1	3.4	3.4
75°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.5	4.1
72.5°	7.0	6.7	6.8	6.8	6.8	6.7	7.0	7.3	7.4	7.5	7.9
70°	8.4	8.4	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.9	10.0
67.5°	6.9	6.9	6.0	5.1	6.0	6.9	6.9	7.0	7.2	8.1	9.8
65°	6.3	6.7	6.0	5.1	6.0	6.7	6.3	5.9	5.7	6.5	8.4
62.5°	5.2	5.2	5.1	5.1	5.1	5.2	5.2	5.2	5.1	5.6	6.7
60°	4.6	5.0	5.1	5.1	5.1	5.0	4.6	4.2	4.0	4.5	5.3
57.5°	5.0	5.1	5.1	5.1	5.1	5.1	5.0	4.8	4.5	4.5	4.6
55°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
52.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
50°	5.8	5.3	5.1	5.1	5.1	5.3	5.8	6.1	6.0	5.7	5.3
47.5°	7.4	7.0	6.8	6.8	6.8	7.0	7.4	7.7	7.8	7.5	6.9
45°	10.4	10.2	10.0	10.1	10.0	10.2	10.4	10.5	11.9	12.0	9.8
42.5°	15.1	15.1	15.1	15.2	15.1	15.1	15.1	14.9	17.6	21.8	24.9
40°	28.4	28.6	28.0	27.0	28.0	28.6	28.4	27.1	25.5	23.5	26.3
37.5°	41.6	41.9	41.9	42.3	41.9	41.9	41.6	41.7	41.8	38.5	39.5
35°	67.4	65.7	62.0	62.6	62.0	65.7	67.4	68.2	66.7	60.9	67.5
32.5°	128.8	127.0	119.9	125.1	119.9	127.0	128.8	123.9	116.3	109.6	107.6
30°	216.8	225.4	229.1	228.2	229.1	225.4	216.8	201.4	183.8	164.2	149.2
27.5°	333.9	352.9	364.8	371.9	364.8	352.9	333.9	308.7	259.4	237.3	196.0
25°	607.5	654.6	681.2	716.8	681.2	654.6	607.5	533.7	431.0	370.5	313.5
22.5°	1358.4	1528.9	1637.3	1714.3	1637.3	1528.9	1358.4	1073.3	808.4	622.9	508.9
20°	3524.4	3510.4	3792.9	3945.9	3792.9	3510.4	3524.4	2616.7	2003.4	1253.9	920.7
17.5°	11032.4	12785.7	13230.5	12850.3	13230.5	12785.7	11032.4	7664.4	6025.5	3497.7	2120.1
15°	28358.1	34214.5	36928.5	36890.6	36928.5	34214.5	28358.1	20519.3	14908.3	9440.2	5488.0
12.5°	61150.3	72460.8	79846.0	84313.7	79846.0	72460.8	61150.3	48804.7	31342.5	20815.6	12473.5
10°	110973.6	130349.4	145800.2	153562.5	145800.2	130349.4	110973.6	87969.9	61127.9	38416.6	21600.8
7.5°	164460.6	195810.8	222282.5	233271.0	222282.5	195810.8	164460.6	130319.6	93318.1	61245.3	35845.9
5°	226424.5	276307.6	301083.0	311758.8	301083.0	276307.6	226424.5	179016.6	129530.8	85869.6	49193.3
2.5°	278264.0	328004.4	362633.1	375793.8	362633.1	328004.4	278264.0	215394.6	155315.1	102152.2	57158.9
0°	288640.7	340639.4	378751.5	406339.6	378751.5	340639.4	288640.7	218919.4	157936.1	103669.4	60199.0
-2.5°	266601.1	317408.6	345256.5	356924.2	345256.5	317408.6	266601.1	203778.1	148475.4	98140.3	56892.1
-5°	231765.9	276860.1	302606.5	307777.5	302606.5	276860.1	231765.9	180463.5	132795.4	86679.7	48631.9
-7.5°	177110.9	208326.7	228634.1	232733.3	228634.1	208326.7	177110.9	138723.9	102171.4	68761.0	39005.3
-10°	128802.7	151309.3	164350.6	165761.8	164350.6	151309.3	128802.7	100676.6	72859.7	47865.3	26430.1
-12.5°	86059.8	103695.1	112918.6	114251.8	112918.6	103695.1	86059.8	67273.9	46753.4	31270.6	18956.4
-15°	53929.1	65400.0	72174.2	73642.6	72174.2	65400.0	53929.1	39951.4	29546.7	19548.1	11652.0
-17.5°	33228.4	39030.7	42583.9	44932.8	42583.9	39030.7	33228.4	24974.5	18273.0	11560.5	6786.7
-20°	19429.2	23191.8	25303.3	26263.5	25303.3	23191.8	19429.2	14522.3	10355.1	6174.6	4430.9



REPORT NUMBER: P731456 (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°	9754.3	11610.6	12875.0	13066.7	12875.0	11610.6	9754.3	7202.1	5165.5	4024.8	3300.5
-25°	4730.7	5247.7	5602.5	5622.9	5602.5	5247.7	4730.7	4045.4	3357.8	3131.4	2924.9
-27.5°	3234.8	3342.3	3411.9	3452.2	3411.9	3342.3	3234.8	3094.9	2923.7	2889.4	2840.2
-30°	2898.4	2914.4	2924.2	2911.2	2924.2	2914.4	2898.4	2886.4	2875.0	2843.7	2818.4
-32.5°	2856.3	2863.9	2869.2	2860.5	2869.2	2863.9	2856.3	2849.1	2827.6	2800.3	2772.3
-35°	2853.1	2873.9	2890.2	2885.9	2890.2	2873.9	2853.1	2828.5	2801.3	2772.1	2720.4
-37.5°	2811.2	2829.5	2841.8	2841.9	2841.8	2829.5	2811.2	2787.3	2754.5	2717.0	2622.1
-40°	2749.0	2774.1	2789.7	2789.5	2789.7	2774.1	2749.0	2717.2	2660.3	2586.7	2441.7
-42.5°	2642.9	2678.0	2694.6	2693.1	2694.6	2678.0	2642.9	2591.2	2482.8	2336.5	2121.3
-45°	2415.1	2528.3	2589.0	2595.1	2589.0	2528.3	2415.1	2266.0	2067.5	1846.0	1609.9
-47.5°	1799.5	1973.8	2080.9	2104.8	2080.9	1973.8	1799.5	1608.2	1414.0	1220.4	1028.3
-50°	1040.6	1063.9	1073.8	1070.2	1073.8	1063.9	1040.6	1015.8	990.9	966.5	942.2
-52.5°	957.5	966.9	974.0	978.9	974.0	966.9	957.5	947.7	937.5	925.7	912.8
-55°	913.7	926.4	934.4	938.3	934.4	926.4	913.7	897.4	877.4	851.7	823.6
-57.5°	796.0	808.6	815.6	818.3	815.6	808.6	796.0	779.9	760.3	737.0	710.6
-60°	675.3	687.6	694.8	698.2	694.8	687.6	675.3	660.0	641.6	621.4	599.4
-62.5°	560.7	572.3	579.3	583.3	579.3	572.3	560.7	546.6	530.0	512.2	491.8
-65°	461.3	472.2	478.2	481.8	478.2	472.2	461.3	448.7	434.5	418.0	398.2
-67.5°	384.0	395.0	402.1	407.4	402.1	395.0	384.0	371.6	357.8	340.5	319.2
-70°	303.3	314.0	317.9	319.5	317.9	314.0	303.3	291.3	278.2	262.4	242.6
-72.5°	212.5	221.4	227.3	231.6	227.3	221.4	212.5	202.3	190.9	177.5	161.1
-75°	110.5	115.4	118.8	121.7	118.8	115.4	110.5	105.1	99.1	92.5	85.4
-77.5°	66.2	70.5	72.6	74.4	72.6	70.5	66.2	61.8	57.4	53.0	48.7
-80°	49.3	52.1	53.2	54.1	53.2	52.1	49.3	46.4	43.5	40.5	37.8
-82.5°	36.5	38.8	39.7	40.6	39.7	38.8	36.5	34.2	31.9	29.5	27.5
-85°	29.5	32.0	32.9	33.8	32.9	32.0	29.5	26.9	24.3	21.7	20.3
-87.5°	25.2	27.1	28.7	30.4	28.7	27.1	25.2	23.2	21.2	19.1	17.4
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	2.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.8	18.1	13.5	13.5	13.5	13.5	13.5	13.1	12.6	12.2	11.8
87.5°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.3	4.7	5.1
85°	3.3	3.3	3.4	3.7	4.0	4.3	4.5	4.6	4.7	4.9	5.1
82.5°	2.7	3.1	3.4	3.9	4.3	4.7	5.1	5.1	5.1	5.1	5.1
80°	3.2	3.3	3.5	3.9	4.3	4.7	5.1	5.2	5.2	5.1	5.2
77.5°	3.4	3.4	3.5	4.1	4.7	5.1	5.3	5.6	5.9	6.0	6.0
75°	4.6	4.9	5.2	5.9	6.4	6.5	6.6	6.5	6.5	6.6	6.8
72.5°	8.3	8.5	9.4	10.6	11.3	11.9	12.0	11.3	10.1	8.2	6.8
70°	11.1	11.9	14.1	17.4	19.7	20.9	21.3	20.5	18.4	16.4	13.1
67.5°	11.5	13.0	16.1	20.0	23.4	26.6	29.9	32.9	32.9	30.6	22.5
65°	10.4	12.6	15.4	18.3	21.9	26.5	33.1	37.6	40.6	41.8	34.5
62.5°	8.1	9.8	11.5	14.0	17.1	22.0	29.8	36.8	43.2	45.2	38.0
60°	6.1	6.9	8.2	9.8	11.8	16.0	23.6	32.3	41.9	41.7	37.8
57.5°	4.9	5.6	6.8	7.7	8.4	11.5	17.1	24.7	33.9	34.8	33.6
55°	5.1	5.7	6.7	7.6	8.5	9.6	11.6	16.2	23.2	25.5	25.9
52.5°	5.1	6.0	7.0	7.9	8.7	9.1	9.6	12.0	14.1	17.2	18.9
50°	5.2	6.3	7.3	8.2	8.8	9.3	9.7	10.1	11.3	12.7	13.8
47.5°	6.8	7.3	7.8	8.6	9.2	9.4	9.9	10.5	11.0	11.2	12.0
45°	9.7	9.6	9.5	10.2	10.3	10.4	10.3	11.4	12.0	12.1	11.8
42.5°	22.2	16.4	12.6	14.7	14.2	13.5	12.7	13.7	13.8	13.5	14.4
40°	32.4	37.6	31.9	25.9	24.0	20.0	19.1	17.7	17.3	16.0	18.8
37.5°	39.6	39.3	49.4	53.1	43.9	36.1	30.4	25.7	22.4	23.6	25.6
35°	64.5	61.8	64.7	70.0	71.6	63.8	50.9	39.1	32.9	33.5	34.2
32.5°	108.9	99.6	94.5	94.2	99.5	97.4	81.9	62.5	50.9	47.1	44.8
30°	144.6	139.3	127.1	134.1	143.7	136.6	118.3	106.2	86.3	63.3	57.2
27.5°	199.1	188.5	173.3	193.5	203.7	191.4	178.0	164.1	131.3	96.3	76.3
25°	299.8	273.1	276.0	282.7	279.0	272.0	253.0	230.1	193.3	146.0	122.5
22.5°	447.8	429.7	414.5	392.9	412.2	397.4	345.5	300.6	292.8	277.9	211.6
20°	728.2	654.6	589.6	640.5	654.3	568.9	462.9	470.1	524.1	472.2	330.9
17.5°	1493.9	1132.7	991.6	1075.4	1006.9	836.3	834.4	817.4	801.0	716.3	473.3
15°	2863.7	2136.0	1767.7	1616.9	1525.0	1446.6	1408.6	1217.7	1121.8	983.4	703.7
12.5°	6726.9	3605.8	2620.2	2312.4	2237.2	2103.0	2017.2	1741.7	1488.6	1326.8	1058.4
10°	11671.3	6285.5	3970.5	3176.5	2941.4	2768.4	2540.3	2204.8	1879.1	1695.2	1424.7
7.5°	19327.1	10293.9	5627.5	3978.6	3536.5	3244.0	2910.2	2582.5	2254.4	2053.9	1794.3
5°	25321.4	13300.6	6685.7	4615.2	4032.6	3704.6	3282.1	2908.8	2614.9	2402.3	2157.0
2.5°	28362.5	14825.2	7362.6	5217.3	4496.4	4134.9	3660.0	3199.3	2877.4	2624.4	2364.2
0°	31227.1	17223.9	8414.1	5685.5	4870.6	4490.2	4040.5	3474.2	3088.7	2813.2	2544.4
-2.5°	29024.4	15855.4	7675.1	5299.8	4668.2	4320.0	4023.0	3567.4	3164.9	2843.4	2516.6
-5°	25102.4	13216.1	6866.4	4912.7	4354.6	4078.6	3870.0	3529.1	3151.2	2832.5	2453.1
-7.5°	20305.0	10518.9	5934.2	4474.3	4013.7	3807.4	3632.4	3338.6	2975.6	2694.7	2296.9
-10°	14405.0	7709.5	4943.3	4005.2	3686.0	3539.4	3404.4	3118.9	2796.1	2549.7	2112.5
-12.5°	10357.1	5584.2	3982.1	3514.8	3379.8	3302.0	3194.3	2882.0	2617.9	2401.4	1903.4
-15°	6242.6	4318.6	3525.7	3220.0	3111.7	3071.5	2980.2	2686.6	2479.7	2254.9	1673.0
-17.5°	4512.2	3450.6	3122.2	2988.9	2919.4	2858.7	2750.3	2539.0	2329.4	2046.4	1421.6
-20°	3408.1	3105.0	2912.1	2789.3	2741.0	2689.0	2561.3	2377.5	2155.8	1743.2	1179.9



REPORT NUMBER: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3056.9	2957.5	2824.0	2665.2	2561.4	2493.8	2378.7	2205.1	1961.6	1423.2	943.6
-25°	2914.6	2895.8	2800.4	2644.9	2445.6	2312.2	2212.6	2030.5	1647.6	1131.5	745.0
-27.5°	2843.8	2841.2	2794.7	2610.0	2385.2	2186.5	2045.4	1828.5	1332.2	913.8	716.8
-30°	2796.3	2764.2	2688.6	2508.9	2268.8	2081.3	1896.4	1485.6	1072.4	749.2	704.8
-32.5°	2720.9	2660.8	2541.1	2314.6	2122.4	1970.5	1592.7	1170.6	824.4	735.5	699.1
-35°	2658.9	2507.9	2305.2	2144.4	2020.2	1657.8	1259.2	907.6	763.3	721.9	694.6
-37.5°	2471.8	2278.8	2135.5	1971.3	1641.2	1288.7	947.0	799.7	748.2	716.1	668.3
-40°	2260.1	2099.7	1826.6	1537.4	1234.5	923.2	834.5	790.1	750.4	695.3	630.8
-42.5°	1888.3	1639.3	1376.0	1107.3	894.6	862.8	830.2	791.5	735.4	659.9	586.7
-45°	1378.6	1148.4	942.9	910.8	879.1	852.6	829.3	765.7	690.8	613.8	539.5
-47.5°	969.8	938.8	911.6	890.4	865.0	833.2	775.4	710.6	633.6	560.6	494.9
-50°	923.0	906.1	888.5	862.8	812.2	759.3	701.4	640.3	571.2	507.4	446.2
-52.5°	895.4	857.4	817.4	775.8	727.5	673.6	618.6	566.4	508.7	449.7	393.3
-55°	793.1	757.5	718.5	677.0	634.2	588.5	541.4	492.5	441.2	387.8	339.4
-57.5°	681.3	649.8	617.1	582.7	546.7	504.3	459.5	414.6	372.5	327.9	285.5
-60°	575.3	549.2	518.4	485.7	451.3	414.1	377.2	340.5	304.2	273.4	241.0
-62.5°	467.7	439.9	414.8	388.9	360.0	328.5	299.8	275.6	251.3	224.6	191.8
-65°	375.3	349.0	325.1	304.0	282.2	259.6	239.0	216.8	192.7	167.1	139.1
-67.5°	296.5	272.3	252.4	234.1	214.4	192.7	172.7	152.2	133.9	115.4	94.6
-70°	222.0	200.9	182.1	164.5	146.8	130.5	116.3	101.6	85.5	71.9	60.2
-72.5°	144.7	128.5	114.0	101.8	90.1	80.8	71.4	61.6	51.9	42.5	35.8
-75°	77.6	69.3	61.3	55.0	48.3	41.2	38.0	36.4	34.6	32.5	30.2
-77.5°	44.5	40.5	37.3	36.2	35.0	33.8	32.5	30.7	28.8	27.0	25.4
-80°	35.1	32.4	29.9	28.9	27.9	26.9	25.9	24.5	23.2	22.0	21.1
-82.5°	25.6	23.6	21.8	21.4	21.0	20.5	20.0	19.3	18.6	18.0	17.5
-85°	18.9	17.4	15.9	15.7	15.5	15.3	15.1	14.8	14.5	14.2	13.9
-87.5°	15.6	13.8	12.0	12.0	12.0	12.1	12.1	12.1	12.0	11.9	11.8
-90°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.3	4.7	5.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.4	11.0	10.5	10.1	10.1	10.1	10.1	10.1	9.7	9.3	8.9
87.5°	5.1	5.1	5.1	5.1	5.3	5.5	5.7	5.8	6.0	6.2	6.5
85°	5.3	5.3	5.4	5.4	5.6	6.0	6.3	6.5	6.5	6.5	6.6
82.5°	5.6	5.9	6.2	6.3	6.3	6.4	6.6	6.8	6.8	6.8	6.8
80°	5.6	6.0	6.4	6.8	6.8	6.8	6.7	6.8	6.8	6.8	6.8
77.5°	6.1	6.2	6.5	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
75°	6.8	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
72.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
70°	9.9	7.4	6.8	6.8	6.8	6.8	6.8	6.9	6.8	6.8	6.8
67.5°	15.3	11.6	8.8	7.1	6.8	6.8	6.8	7.0	7.1	6.8	6.8
65°	25.0	17.3	11.6	9.3	7.6	6.8	6.8	7.2	7.3	7.2	6.8
62.5°	31.2	23.9	16.8	12.1	9.2	7.6	6.8	7.2	7.6	7.6	7.1
60°	33.4	26.4	21.5	16.5	11.7	8.6	7.5	7.3	7.7	8.0	7.6
57.5°	30.1	27.2	24.0	20.0	15.2	10.5	8.3	7.8	7.8	8.1	8.0
55°	25.2	23.8	25.2	22.5	18.1	13.1	9.6	8.5	8.0	8.2	8.5
52.5°	18.9	21.3	24.2	24.2	20.6	15.7	11.8	9.2	8.6	8.3	8.7
50°	14.3	18.3	23.0	24.8	22.8	18.1	13.6	10.6	9.2	8.5	8.8
47.5°	13.2	16.7	20.6	25.2	24.6	20.3	15.5	11.8	9.8	9.0	9.0
45°	14.2	16.6	19.4	23.3	26.0	21.7	17.3	12.8	10.5	9.6	9.3
42.5°	16.2	17.9	19.8	21.8	24.6	22.6	18.9	14.1	11.1	10.2	9.7
40°	20.1	20.4	21.1	22.9	23.4	23.1	19.5	15.4	11.5	10.9	10.2
37.5°	25.2	24.5	23.8	25.8	24.0	22.8	19.7	16.5	12.7	11.7	10.7
35°	33.0	30.1	29.4	30.7	28.1	23.3	19.7	17.1	14.6	12.6	11.2
32.5°	42.3	39.8	38.9	36.8	33.7	24.5	20.1	18.5	16.4	13.6	11.7
30°	55.9	57.7	50.5	43.9	40.3	29.8	22.5	20.2	18.2	14.6	12.3
27.5°	83.1	80.7	65.2	54.4	47.0	36.9	27.4	22.2	20.1	15.9	13.1
25°	118.0	108.4	87.7	67.0	54.3	59.4	33.3	24.6	21.8	17.4	14.0
22.5°	164.4	140.6	113.5	80.8	87.5	89.6	45.8	29.2	23.6	18.9	14.9
20°	218.0	176.9	152.4	134.6	128.0	119.4	67.8	34.4	25.5	20.4	15.8
17.5°	286.2	252.3	244.5	204.1	173.2	152.1	93.9	40.0	27.5	21.8	16.7
15°	471.2	372.5	343.2	281.9	221.2	187.1	123.2	45.8	29.6	23.2	17.5
12.5°	704.0	493.4	447.2	366.0	271.4	223.8	154.7	51.7	31.7	24.5	18.1
10°	961.1	614.3	554.7	454.3	323.0	261.5	187.2	58.8	35.3	25.8	18.7
7.5°	1231.8	734.5	664.1	544.5	374.0	297.9	221.1	68.2	39.2	27.1	19.2
5°	1482.7	838.5	754.9	620.4	419.6	331.5	253.6	77.5	43.2	28.3	19.6
2.5°	1625.4	917.0	831.0	690.1	463.7	363.6	283.4	86.4	47.0	29.4	20.0
0°	1741.3	992.4	902.8	754.0	505.5	393.9	309.4	94.7	50.7	30.4	20.3
-2.5°	1711.0	980.8	889.4	748.1	518.4	403.0	313.2	110.0	62.7	38.3	24.2
-5°	1651.4	965.7	871.9	736.3	527.9	409.8	313.0	124.2	74.2	45.9	28.0
-7.5°	1537.0	931.9	845.0	719.0	533.7	413.8	309.3	137.2	84.9	52.9	31.5
-10°	1390.8	886.2	806.8	689.5	525.7	412.4	303.2	148.9	94.7	59.2	34.6
-12.5°	1221.2	839.4	769.4	658.0	513.1	406.5	295.3	158.9	103.3	64.7	37.2
-15°	1030.1	792.2	734.4	625.7	498.3	399.1	286.2	167.2	110.6	69.6	39.2
-17.5°	823.8	745.2	702.9	593.6	481.5	390.4	276.5	173.6	116.8	74.0	41.3
-20°	765.2	714.3	673.1	562.8	463.0	380.7	266.9	178.2	121.7	77.3	43.1



REPORT NUMBER: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	736.7	697.4	639.7	537.6	445.6	370.0	257.9	180.7	125.1	79.4	44.1
-25°	710.2	681.8	607.8	514.2	431.1	354.3	254.4	181.1	127.2	80.3	44.0
-27.5°	691.2	661.6	576.2	488.9	415.1	341.0	253.6	182.7	127.8	79.7	42.9
-30°	676.6	625.8	545.8	463.8	397.1	323.1	250.3	182.5	126.9	78.3	40.7
-32.5°	664.5	591.5	514.2	442.3	376.0	304.0	239.3	180.3	124.1	75.7	39.3
-35°	633.0	558.0	481.9	418.9	353.5	286.6	225.0	176.0	119.5	71.5	37.6
-37.5°	599.3	523.4	454.6	393.7	330.3	267.3	211.6	163.6	112.8	65.6	35.1
-40°	559.4	488.9	426.4	367.8	307.0	246.3	196.5	149.3	104.6	58.0	31.9
-42.5°	517.5	455.1	396.0	341.0	282.2	227.6	179.5	133.4	91.5	52.0	27.9
-45°	477.5	418.5	363.0	309.6	256.2	207.0	160.3	116.3	77.0	46.4	24.8
-47.5°	434.3	379.1	326.8	276.2	231.0	184.3	139.4	99.0	61.7	39.8	23.9
-50°	388.0	337.1	288.4	244.5	202.8	159.3	117.5	80.7	52.2	31.4	22.7
-52.5°	341.1	293.3	251.7	212.8	172.7	132.4	96.0	62.3	42.2	27.3	21.4
-55°	292.5	252.6	216.6	179.1	141.2	106.7	73.5	50.6	31.7	25.1	19.9
-57.5°	249.9	214.2	178.8	143.6	111.1	80.5	56.3	38.4	27.5	22.9	19.3
-60°	207.4	172.4	139.2	110.0	81.8	59.0	42.2	29.0	25.0	20.9	18.5
-62.5°	159.7	129.5	103.0	77.3	58.2	42.9	29.9	26.4	22.6	19.9	17.7
-65°	115.2	91.1	67.9	54.1	40.3	30.0	27.1	23.8	21.0	18.7	16.8
-67.5°	73.5	60.1	46.8	34.4	29.6	27.0	24.3	21.8	19.5	17.5	16.0
-70°	48.5	36.8	31.2	28.6	26.3	24.0	22.1	20.0	18.0	16.7	15.1
-72.5°	32.8	30.0	27.3	25.1	23.6	21.9	20.0	18.3	17.2	15.9	14.3
-75°	27.8	25.9	24.4	23.2	21.6	19.9	18.6	17.6	16.4	15.1	13.4
-77.5°	24.1	23.0	22.1	21.1	19.6	18.5	17.6	16.9	15.5	14.0	12.5
-80°	20.4	19.8	19.1	18.3	17.5	16.9	16.4	15.7	14.3	12.9	11.5
-82.5°	17.0	16.6	16.2	15.9	15.6	15.2	14.8	14.3	13.1	11.8	10.7
-85°	13.9	13.9	13.9	14.0	13.8	13.5	13.2	12.9	11.9	11.0	10.1
-87.5°	12.0	12.0	12.1	12.0	11.9	11.8	11.7	11.5	10.8	10.2	9.5
-90°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.5	6.0	6.4



REPORT NUMBER: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.5	8.1	7.7	7.2	6.8	6.8	6.8
87.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
82.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
75°	6.8	6.9	6.8	6.8	6.8	6.8	6.8
72.5°	6.9	7.1	7.0	6.8	6.8	6.8	6.8
70°	6.9	7.2	7.1	6.8	6.8	6.8	6.8
67.5°	7.0	7.3	7.3	7.0	6.8	6.8	6.8
65°	7.0	7.4	7.5	7.2	6.8	6.8	6.8
62.5°	7.1	7.5	7.7	7.3	6.8	6.8	6.8
60°	7.1	7.5	7.9	7.5	6.8	6.8	6.8
57.5°	7.5	7.5	7.9	7.7	6.9	6.8	6.8
55°	7.9	7.6	8.0	7.9	7.0	6.8	6.8
52.5°	8.4	7.7	8.0	8.1	7.2	6.8	6.8
50°	8.8	8.0	8.0	8.3	7.3	6.8	6.8
47.5°	9.1	8.4	8.1	8.4	7.4	6.8	6.8
45°	9.3	8.7	8.1	8.4	7.5	6.8	6.8
42.5°	9.6	9.0	8.2	8.5	7.6	6.8	6.8
40°	9.8	9.3	8.3	8.5	7.7	6.8	6.8
37.5°	10.1	9.6	8.6	8.6	7.8	6.8	6.8
35°	10.5	9.9	8.8	8.6	7.9	6.8	6.8
32.5°	10.8	10.1	9.0	8.7	8.0	6.8	6.8
30°	11.2	10.4	9.2	8.7	8.0	6.8	6.8
27.5°	11.6	10.6	9.4	8.8	8.1	6.8	6.8
25°	12.0	10.9	9.6	8.9	8.2	6.8	6.8
22.5°	12.4	11.1	9.7	9.0	8.2	6.8	6.8
20°	12.8	11.3	9.8	9.1	8.3	6.8	6.8
17.5°	13.1	11.4	9.9	9.3	8.3	6.8	6.8
15°	13.4	11.5	10.0	9.4	8.4	6.8	6.8
12.5°	13.7	11.6	10.0	9.5	8.4	6.8	6.8
10°	14.1	11.7	10.1	9.6	8.4	6.8	6.8
7.5°	14.4	11.7	10.1	9.8	8.5	6.8	6.8
5°	14.7	11.8	10.1	9.9	8.5	6.8	6.8
2.5°	15.0	11.8	10.1	10.0	8.5	6.8	6.8
0°	15.2	11.8	10.1	10.1	8.5	6.8	6.8
-2.5°	16.5	12.2	10.4	10.2	8.6	6.8	6.8
-5°	17.8	12.5	10.7	10.3	8.6	6.9	6.8
-7.5°	19.0	12.9	11.0	10.4	8.7	6.9	6.8
-10°	20.0	13.2	11.3	10.5	8.7	6.9	6.8
-12.5°	20.8	13.5	11.5	10.5	8.8	7.0	6.8
-15°	21.5	13.7	11.8	10.6	8.8	7.0	6.8
-17.5°	21.9	14.0	12.0	10.6	8.8	7.0	6.8
-20°	22.3	14.2	12.2	10.7	8.8	7.1	6.8



REPORT NUMBER: P731456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.8	14.4	12.3	10.7	8.9	7.1	6.8
-25°	22.9	14.8	12.5	10.7	8.9	7.1	6.8
-27.5°	22.5	15.0	12.5	10.7	8.9	7.1	6.8
-30°	21.6	15.2	12.6	10.7	8.9	7.2	6.8
-32.5°	20.3	15.3	12.7	10.7	8.8	7.2	6.8
-35°	19.8	15.3	12.7	10.6	8.8	7.2	6.8
-37.5°	19.8	15.2	12.7	10.6	8.8	7.2	6.8
-40°	19.6	15.2	12.7	10.5	8.8	7.2	6.8
-42.5°	19.2	15.1	12.6	10.5	8.7	7.2	6.8
-45°	18.6	15.0	12.5	10.4	8.7	7.2	6.8
-47.5°	17.9	14.9	12.4	10.3	8.6	7.2	6.8
-50°	17.5	14.7	12.2	10.2	8.6	7.2	6.8
-52.5°	17.2	14.4	12.0	10.1	8.5	7.2	6.8
-55°	16.8	14.1	11.8	10.0	8.4	7.2	6.8
-57.5°	16.3	13.8	11.6	9.8	8.4	7.2	6.8
-60°	15.8	13.4	11.3	9.7	8.3	7.2	6.8
-62.5°	15.3	13.0	11.1	9.5	8.2	7.1	6.8
-65°	14.7	12.5	10.7	9.3	8.1	7.1	6.8
-67.5°	14.0	12.1	10.4	9.1	8.0	7.1	6.8
-70°	13.3	11.6	10.1	8.9	7.9	7.1	6.8
-72.5°	12.6	11.0	9.7	8.7	7.8	7.0	6.8
-75°	11.8	10.5	9.3	8.5	7.6	7.0	6.8
-77.5°	11.0	9.9	9.0	8.3	7.5	7.0	6.8
-80°	10.2	9.4	8.8	8.1	7.4	6.9	6.8
-82.5°	9.7	9.1	8.5	7.9	7.2	6.9	6.8
-85°	9.3	8.8	8.2	7.7	7.1	6.9	6.8
-87.5°	8.9	8.4	7.9	7.4	6.9	6.8	6.8
-90°	6.8	6.8	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

