

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: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-3S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

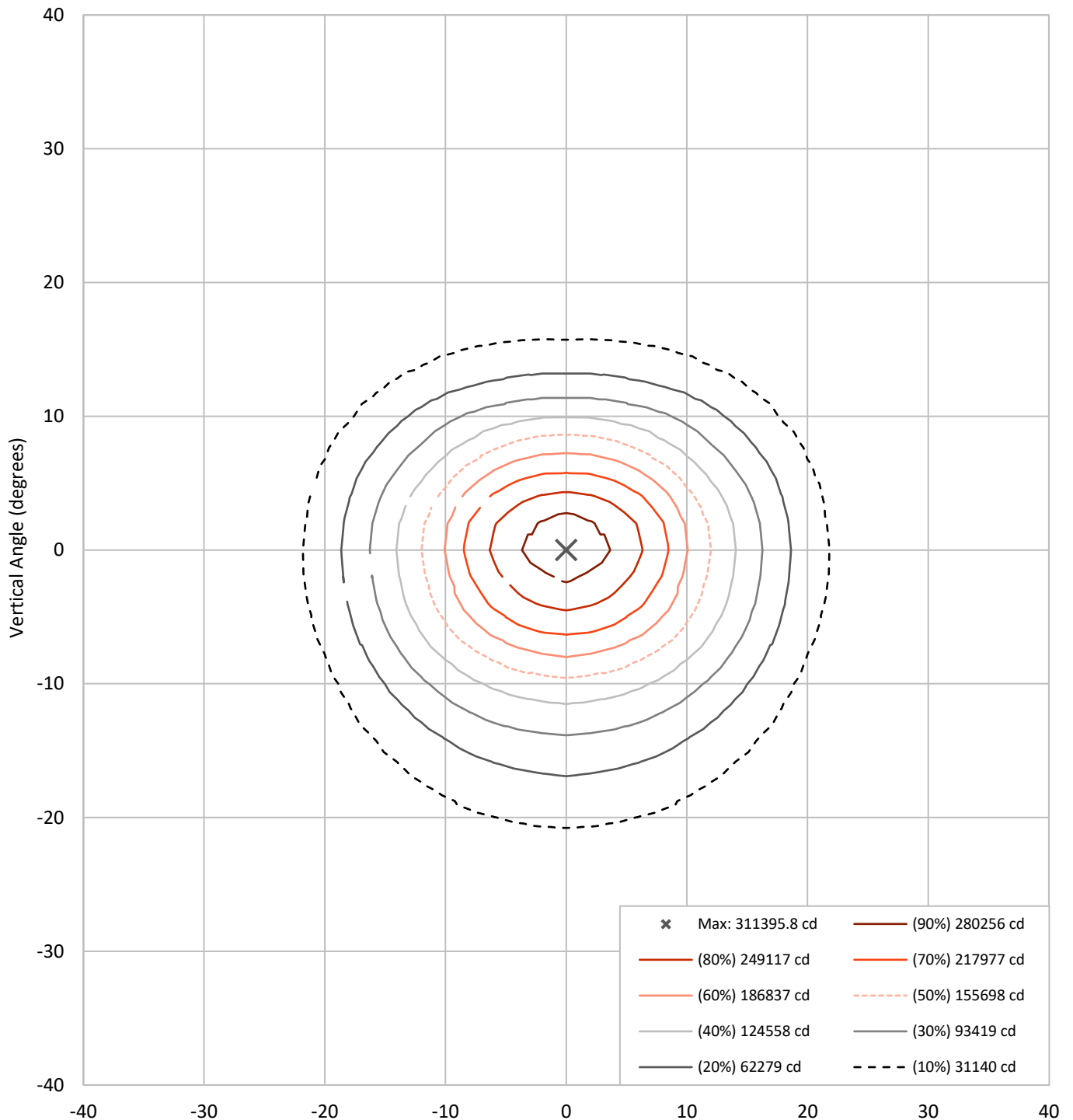
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	52057.6 lumens	Max Intensity:	311395.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	22269 lumens	Field Lumens:	44488.4 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

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

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CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

Iso-Candela Plot





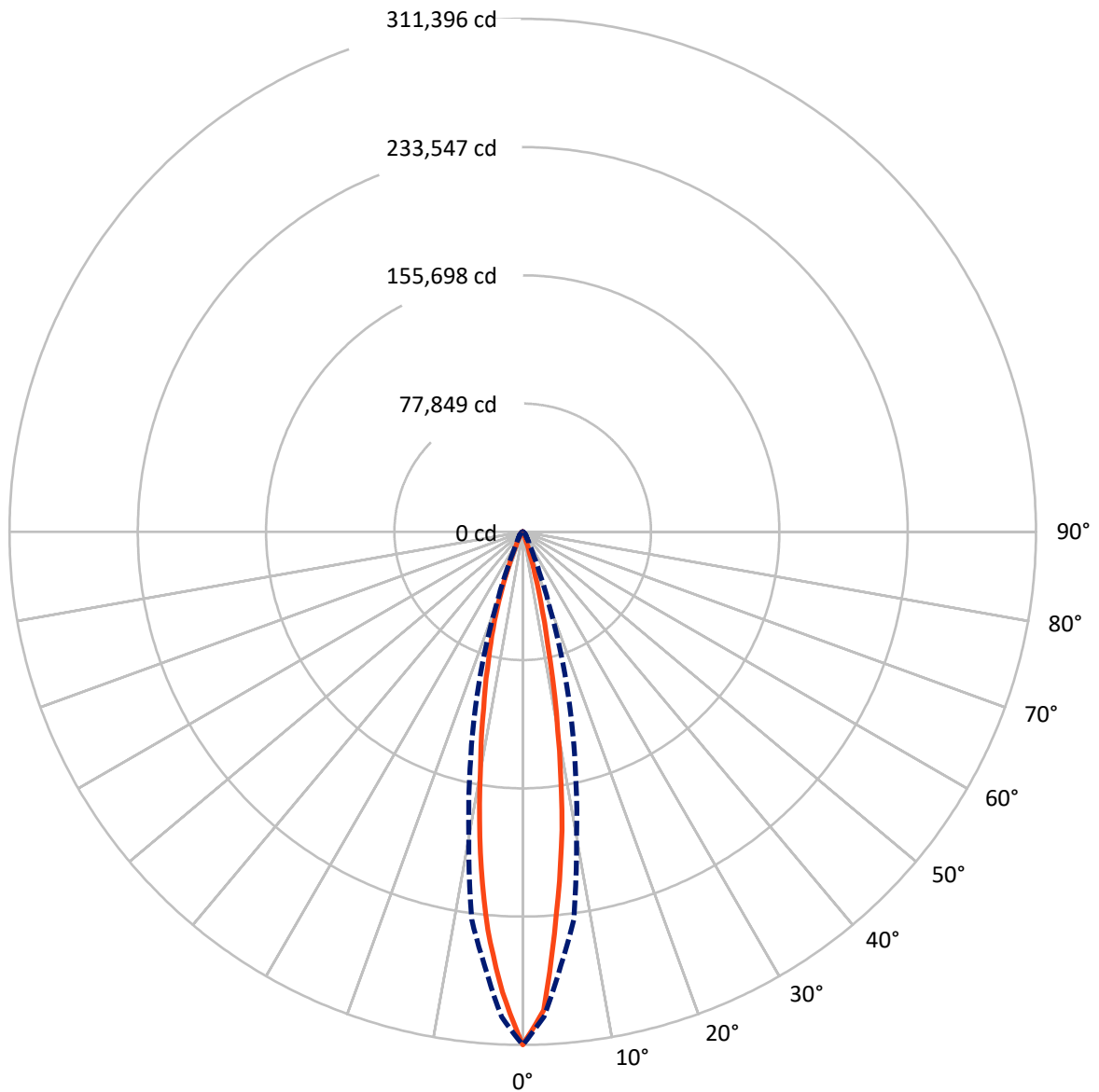
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Lumen Table

90																			
80	0.1	0.4		0.6		0.7		0.8		0.7		0.6		0.4		0.1			
70	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.2	0.2	0.3	0.4	0.7	0.6	0.2	0.1	0.1			
60		0.1	0.4	0.5	0.4	0.2	0.2	0.2	0.2	0.2	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	1.4	2.0	2.6	3.3	3.3	2.6	2.0	1.4	0.8	0.5	0.2				
30	0.2	0.4	1.5	3.6	6.9	10.5	23.7	47.6	47.6	23.7	10.5	6.9	3.6	1.5	0.4	0.2			
20		1.0	5.4	17.1	37.5	100.5	557.6	1276.0	1276.0	557.6	100.5	37.5	17.1	5.4	1.0				
10	0.3	1.9	11.2	40.5	94.4	415.2	2604.2	6078.8	6078.8	2604.2	415.2	94.4	40.5	11.2	1.9	0.3			
0		2.5	13.4	47.4	105.9	442.5	2777.6	6260.9	6260.9	2777.6	442.5	105.9	47.4	13.4	2.5				
-10	0.5	2.7	11.5	35.9	75.2	190.8	1008.5	2269.6	2269.6	1008.5	190.8	75.2	35.9	11.5	2.7	0.5			
-20		2.6	9.3	22.5	53.1	90.0	195.3	392.7	392.7	195.3	90.0	53.1	22.5	9.3	2.6				
-30	0.4	2.3	7.4	15.7	34.4	62.0	84.3	98.4	98.4	84.3	62.0	34.4	15.7	7.4	2.3	0.4			
-40		1.6	5.5	12.0	21.4	34.8	53.3	67.1	67.1	53.3	34.8	21.4	12.0	5.5	1.6				
-50	0.2	0.8	3.3	7.6	13.5	19.9	25.3	28.4	28.4	25.3	19.9	13.5	7.6	3.3	0.8	0.2			
-60		0.3	1.1	3.3	6.1	9.4	12.6	14.6	14.6	12.6	9.4	6.1	3.3	1.1	0.3				
-70																			
-80	0.2	0.8		2.5		6.7		10.4		6.7		2.5		0.8		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

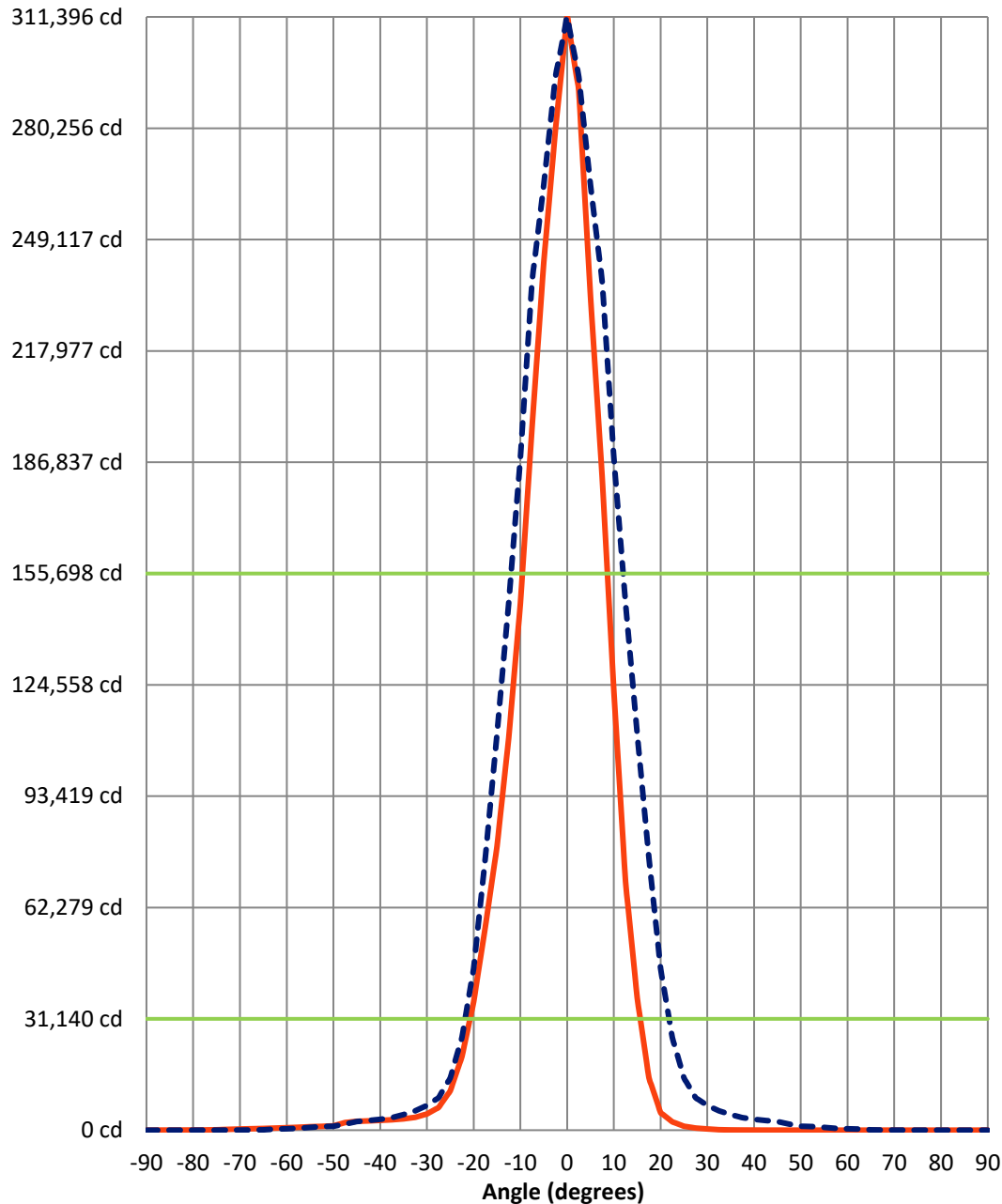
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 22269
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 44488.4
 Efficiency: 85.5%

Spill:
 Lumens: 7569.2
 Efficiency: 14.5%

— 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°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
85°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
75°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
70°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.1
67.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.2	7.8
65°	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.6	7.1	7.8	8.1
62.5°	6.6	6.6	6.6	6.6	6.6	6.8	6.8	6.9	7.6	8.1	7.6
60°	6.6	6.6	6.6	6.6	6.6	6.9	6.9	7.3	8.1	7.9	7.2
57.5°	6.6	6.6	6.6	6.6	6.7	7.1	7.2	7.8	8.1	7.7	7.2
55°	6.6	6.6	6.6	6.6	6.9	7.2	7.5	8.2	8.1	7.6	7.3
52.5°	6.6	6.6	6.7	6.6	7.1	7.4	7.8	8.2	8.1	7.7	7.4
50°	6.6	6.6	6.7	6.6	7.3	7.6	8.0	8.3	8.1	7.8	8.9
47.5°	6.6	6.6	6.7	6.6	7.4	7.8	8.2	8.4	8.2	7.9	10.3
45°	6.6	6.6	6.8	6.8	7.6	7.9	8.4	8.6	8.4	8.7	11.3
42.5°	6.6	6.6	6.8	6.9	7.8	8.0	8.5	8.8	8.6	9.3	12.4
40°	6.6	6.6	6.9	7.1	8.0	8.1	8.7	9.0	9.0	9.6	13.4
37.5°	6.6	6.6	7.0	7.3	8.0	8.2	8.9	9.2	9.7	10.7	14.4
35°	6.6	6.6	7.0	7.4	8.1	8.3	9.2	9.5	10.4	12.4	15.0
32.5°	6.6	6.6	7.1	7.6	8.2	8.5	9.4	9.9	11.1	14.1	16.4
30°	6.6	6.6	7.2	7.7	8.2	8.7	9.7	10.3	11.9	16.0	18.2
27.5°	6.6	6.6	7.3	7.8	8.2	8.9	9.9	10.9	13.0	17.8	20.3
25°	6.6	6.6	7.3	7.9	8.2	9.1	10.2	11.6	14.5	19.6	22.9
22.5°	6.6	6.6	7.4	8.0	8.2	9.2	10.5	12.2	16.0	21.6	27.6
20°	6.6	6.6	7.5	8.0	8.2	9.4	10.8	12.9	17.5	23.7	32.8
17.5°	6.6	6.6	7.6	8.1	8.2	9.5	11.0	13.5	19.0	25.9	38.4
15°	6.6	6.6	7.7	8.1	8.2	9.6	11.2	14.2	20.4	28.2	44.2
12.5°	6.6	6.6	7.8	8.2	8.2	9.7	11.3	15.1	22.0	30.5	50.2
10°	6.6	6.6	7.9	8.2	8.2	9.8	11.4	16.1	23.7	34.4	57.5
7.5°	6.6	6.6	8.0	8.2	8.2	9.8	11.4	17.0	25.4	38.6	67.7
5°	6.6	6.6	8.0	8.2	8.2	9.9	11.5	18.0	26.9	42.9	77.9
2.5°	6.6	6.6	8.1	8.2	8.2	9.9	11.5	18.9	28.3	47.1	87.8
0°	6.6	6.6	8.2	8.2	8.2	9.9	11.5	19.7	29.6	51.0	97.0
-2.5°	6.6	6.6	8.2	8.2	8.3	10.3	13.0	23.5	37.6	62.7	111.1
-5°	6.6	6.6	8.2	8.2	8.5	10.6	14.5	27.1	45.2	73.8	124.1
-7.5°	6.6	6.6	8.2	8.2	8.6	10.9	15.9	30.5	52.3	84.2	136.0
-10°	6.6	6.6	8.2	8.2	8.8	11.2	17.1	33.4	58.7	93.7	146.7
-12.5°	6.6	6.6	8.1	8.2	8.9	11.4	18.1	35.8	64.1	102.1	156.4
-15°	6.6	6.6	8.1	8.2	9.0	11.6	18.9	37.7	69.2	109.9	164.7
-17.5°	6.6	6.6	8.1	8.2	9.0	11.7	19.5	39.8	73.9	116.6	171.5
-20°	6.6	6.6	8.0	8.2	9.1	11.8	20.1	41.8	77.4	122.0	176.4



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.6	6.6	8.0	8.2	9.1	11.8	20.7	42.9	79.7	126.3	179.6
-25°	6.6	6.6	7.9	8.2	9.1	12.0	20.8	43.0	80.6	129.2	180.8
-27.5°	6.6	6.6	7.8	8.2	9.1	12.0	20.4	42.0	80.0	130.5	183.3
-30°	6.6	6.6	7.8	8.2	9.0	12.0	19.3	39.9	78.7	129.6	184.2
-32.5°	6.6	6.6	7.7	8.2	9.0	11.9	17.7	38.4	76.2	126.7	183.4
-35°	6.6	6.6	7.6	8.2	9.0	11.7	17.0	36.5	72.1	121.7	180.7
-37.5°	6.6	6.6	7.5	8.2	8.9	11.5	16.7	33.6	66.3	114.6	168.6
-40°	6.6	6.6	7.5	8.2	8.8	11.4	16.3	29.7	58.9	106.4	153.7
-42.5°	6.6	6.6	7.4	8.2	8.8	11.3	15.7	24.9	52.4	93.4	137.2
-45°	6.6	6.6	7.3	8.2	8.8	11.0	15.0	21.3	45.7	78.9	119.5
-47.5°	6.6	6.6	7.2	8.2	8.8	10.7	14.1	20.2	37.7	63.6	102.1
-50°	6.6	6.6	7.1	8.1	8.7	10.4	13.5	19.0	27.9	52.5	83.5
-52.5°	6.6	6.6	6.9	7.9	8.6	9.9	13.0	17.5	23.5	40.9	64.5
-55°	6.6	6.6	6.8	7.8	8.5	9.7	12.3	15.9	21.3	28.7	51.0
-57.5°	6.6	6.6	6.7	7.7	8.4	9.4	11.6	15.0	19.0	24.0	36.8
-60°	6.6	6.6	6.6	7.5	8.2	9.1	10.8	13.8	16.9	21.4	26.0
-62.5°	6.6	6.6	6.6	7.4	8.0	8.8	10.3	12.6	15.6	18.7	23.0
-65°	6.6	6.6	6.6	7.2	7.9	8.4	9.7	11.6	14.2	16.9	20.0
-67.5°	6.6	6.6	6.6	7.1	7.8	8.1	9.0	10.7	12.7	15.3	17.8
-70°	6.6	6.6	6.6	7.0	7.6	8.0	8.3	9.9	11.7	13.6	15.9
-72.5°	6.6	6.6	6.6	6.9	7.5	8.0	8.2	9.0	10.8	12.5	14.2
-75°	6.6	6.6	6.6	6.9	7.4	7.9	8.2	8.7	9.7	11.3	12.9
-77.5°	6.6	6.6	6.6	6.8	7.3	7.8	8.2	8.5	9.3	10.3	11.7
-80°	6.6	6.6	6.6	6.8	7.1	7.6	8.2	8.3	8.8	9.4	10.4
-82.5°	6.6	6.6	6.6	6.8	7.0	7.4	7.8	8.0	8.2	8.6	9.1
-85°	6.6	6.6	6.6	6.7	6.9	7.1	7.4	7.6	7.7	7.8	8.0
-87.5°	6.6	6.6	6.6	6.7	6.7	6.9	7.0	7.1	7.1	7.2	7.3
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.0	7.4	7.8
87.5°	6.4	6.2	6.0	5.9	5.7	5.4	5.2	4.9	4.9	4.9	4.9
85°	6.6	6.6	6.6	6.6	6.2	5.8	5.3	4.9	4.9	4.9	4.9
82.5°	6.6	6.6	6.6	6.6	6.2	5.8	5.4	5.1	5.2	5.2	5.1
80°	6.6	6.6	6.6	6.6	6.4	6.3	6.2	6.3	6.2	5.8	5.4
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.3	5.9	5.4
75°	6.6	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.4	6.3	6.3
72.5°	6.9	7.1	7.0	6.8	6.6	6.6	6.6	6.6	7.8	9.4	10.7
70°	7.5	7.6	7.1	6.7	6.6	7.0	9.0	11.8	14.7	16.8	19.5
67.5°	8.0	7.3	6.8	6.8	8.0	10.2	13.3	20.3	28.1	31.2	32.1
65°	7.4	6.7	7.0	8.1	9.7	15.6	23.2	32.3	39.0	38.5	36.5
62.5°	6.8	6.8	7.7	10.4	15.6	22.9	29.9	36.3	42.6	40.9	35.1
60°	6.7	7.0	10.1	15.5	21.0	26.3	33.0	36.5	39.4	39.2	31.0
57.5°	6.8	8.9	14.3	19.5	24.0	28.1	30.1	32.6	33.6	33.7	25.2
55°	7.9	12.2	17.4	21.9	25.3	24.6	25.4	25.7	25.9	24.1	17.1
52.5°	10.5	15.0	19.3	23.2	24.0	21.6	18.9	19.0	17.7	14.9	12.4
50°	12.6	16.7	20.9	23.5	22.5	18.0	13.9	13.8	12.6	10.9	9.5
47.5°	14.2	18.2	22.3	23.8	20.0	16.3	12.9	11.2	10.1	9.7	8.6
45°	15.5	19.5	23.8	22.2	18.9	16.1	13.3	9.9	10.3	10.2	10.6
42.5°	16.8	20.3	22.7	21.2	19.3	17.2	14.7	12.7	11.8	13.0	13.6
40°	17.3	20.9	22.0	22.3	20.5	19.4	19.0	17.5	15.2	17.3	18.0
37.5°	17.5	20.8	22.9	25.6	23.2	23.8	24.7	25.1	23.7	23.2	26.1
35°	17.5	21.4	27.6	30.8	28.8	30.2	33.0	34.4	34.5	33.8	38.8
32.5°	17.9	22.5	34.1	36.9	39.0	40.7	42.6	45.7	48.5	51.7	59.9
30°	20.3	28.6	41.5	43.7	51.4	59.5	57.3	58.8	65.2	85.8	103.8
27.5°	25.2	36.9	48.0	54.7	67.2	84.2	89.5	79.1	97.9	129.8	160.3
25°	31.2	59.7	55.0	68.2	91.6	117.0	131.2	129.6	148.0	188.3	224.5
22.5°	43.8	89.6	86.8	82.9	119.8	157.2	181.4	223.5	282.8	282.6	295.7
20°	65.8	118.1	126.9	137.9	161.7	203.3	238.1	349.6	473.1	515.1	469.3
17.5°	91.5	149.5	172.5	209.7	262.6	289.5	309.3	500.2	709.0	791.8	817.7
15°	120.1	183.3	221.3	290.0	374.4	422.2	506.5	724.6	971.3	1111.6	1215.9
12.5°	150.7	219.0	272.5	376.9	494.3	557.5	744.4	1060.0	1305.7	1475.0	1740.1
10°	182.1	255.7	325.0	468.0	619.8	694.5	999.0	1405.4	1662.2	1858.1	2220.8
7.5°	216.8	292.3	377.3	561.0	747.9	832.0	1262.0	1753.5	2009.6	2227.8	2637.7
5°	250.5	327.5	424.1	640.1	850.6	947.9	1499.2	2095.2	2347.1	2583.9	3014.2
2.5°	281.7	361.1	469.0	712.9	932.1	1029.1	1613.4	2269.0	2543.7	2837.5	3298.6
0°	309.2	393.0	511.4	779.5	1006.4	1106.8	1703.7	2419.1	2703.6	3037.4	3506.1
-2.5°	315.0	405.6	526.5	778.5	996.5	1104.8	1712.5	2425.7	2758.7	3111.5	3570.2
-5°	316.5	415.8	538.1	770.8	979.9	1098.5	1694.8	2401.2	2767.8	3093.5	3506.5
-7.5°	314.3	423.0	546.1	755.5	947.8	1062.0	1594.9	2252.4	2623.1	2906.8	3295.3
-10°	308.6	422.0	537.2	721.1	896.3	1006.6	1458.1	2080.7	2472.4	2716.6	3055.1
-12.5°	298.8	414.1	523.0	684.3	844.3	950.0	1298.8	1890.5	2319.7	2528.3	2802.0
-15°	287.7	404.8	506.3	646.2	793.5	893.1	1118.0	1685.3	2174.2	2386.6	2590.0
-17.5°	276.2	394.2	487.3	608.1	745.4	836.7	922.7	1467.3	1990.1	2242.2	2438.7
-20°	264.9	382.6	466.1	571.1	700.2	792.9	863.5	1246.4	1731.6	2082.2	2279.5



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	254.4	370.3	446.1	542.4	660.4	758.1	829.7	1030.2	1458.7	1908.1	2121.4
-25°	250.5	352.5	429.8	517.2	622.2	723.0	796.7	846.9	1201.0	1645.8	1970.8
-27.5°	250.7	337.7	414.1	490.2	584.2	685.5	759.1	810.8	1005.0	1388.0	1801.0
-30°	248.4	319.7	396.9	463.9	550.8	642.4	720.2	791.6	853.0	1159.7	1524.1
-32.5°	239.0	300.9	376.1	443.4	517.2	600.8	688.3	764.7	831.4	931.1	1261.4
-35°	226.3	285.3	353.5	421.3	483.2	563.8	649.8	733.3	804.1	866.0	1016.7
-37.5°	214.8	267.7	330.2	397.0	457.8	526.9	608.3	692.1	768.1	841.7	909.8
-40°	201.6	247.9	307.9	370.8	431.4	491.8	565.4	644.4	724.6	809.4	891.4
-42.5°	186.4	231.6	284.1	343.4	401.0	460.1	520.5	594.8	675.5	765.2	850.7
-45°	166.5	213.6	259.2	312.7	367.2	424.7	482.8	542.7	620.6	703.4	792.9
-47.5°	144.8	192.7	237.1	279.9	331.2	384.8	441.4	500.2	561.7	637.1	717.4
-50°	122.2	166.7	211.8	250.4	293.4	342.9	394.9	453.3	512.0	571.1	639.5
-52.5°	100.1	138.9	181.2	221.3	258.4	299.8	348.0	401.0	457.0	513.8	566.6
-55°	76.8	112.0	148.5	187.7	225.3	260.4	299.3	346.8	397.0	449.7	498.0
-57.5°	57.9	84.5	116.9	151.1	187.5	223.1	257.1	291.5	334.8	381.3	422.7
-60°	41.6	61.0	85.8	115.9	146.9	180.6	214.8	246.9	278.5	309.0	346.1
-62.5°	27.3	42.4	59.9	81.0	108.5	136.9	167.2	198.1	228.9	255.3	279.8
-65°	23.9	27.4	39.3	55.1	70.8	96.3	122.0	146.6	173.6	197.9	221.5
-67.5°	20.4	23.6	26.8	32.3	46.5	62.3	79.0	101.5	122.9	140.4	157.8
-70°	18.1	20.0	22.6	25.4	28.4	34.8	48.7	63.3	77.6	91.1	106.0
-72.5°	16.0	17.7	19.4	21.0	23.6	26.6	29.8	33.0	41.0	51.8	62.1
-75°	14.2	15.4	16.8	18.3	19.9	21.8	23.8	26.5	29.0	31.3	33.3
-77.5°	12.6	13.4	14.5	15.6	16.9	18.3	19.8	21.4	23.0	24.8	26.6
-80°	11.0	11.5	12.1	12.9	13.9	15.0	16.1	17.1	18.1	19.3	20.5
-82.5°	9.5	9.8	10.2	10.6	11.2	12.0	12.8	13.7	14.0	14.3	14.7
-85°	8.1	8.2	8.4	8.7	9.0	9.4	9.8	10.3	10.4	10.4	10.4
-87.5°	7.3	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.9	8.0	8.1
-90°	6.2	5.8	5.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.2	8.6	9.0	9.5	9.9	13.6	17.3	21.0	24.7	30.8	37.0
87.5°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.6	1.6
85°	4.9	4.5	4.1	3.7	3.3	3.2	3.2	3.2	3.2	2.8	2.4
82.5°	4.9	4.5	4.1	3.7	3.3	3.3	3.3	3.3	3.3	2.9	2.5
80°	5.0	4.7	4.5	4.4	4.3	4.2	3.9	3.7	3.3	3.3	3.2
77.5°	5.1	5.2	5.2	5.1	4.9	4.6	4.2	3.8	3.4	3.3	3.3
75°	6.4	6.6	6.7	6.5	5.9	5.5	5.2	5.0	4.7	4.4	4.1
72.5°	11.5	11.6	11.1	10.7	9.7	9.2	9.3	9.1	8.9	8.7	8.6
70°	21.1	21.5	20.6	18.6	15.7	13.8	12.9	11.8	10.4	9.8	9.8
67.5°	30.0	27.5	24.8	22.0	18.4	15.4	13.7	12.1	10.5	9.7	9.3
65°	32.9	26.9	22.4	18.9	16.2	13.9	12.1	10.3	8.5	7.4	7.0
62.5°	28.6	21.4	17.0	14.4	12.4	11.2	9.4	7.7	6.3	5.5	5.7
60°	23.2	15.8	11.7	10.2	9.1	8.2	7.2	6.2	5.4	4.9	5.0
57.5°	17.4	11.5	8.2	8.0	7.6	6.9	6.3	5.8	5.3	4.9	4.9
55°	12.0	9.5	8.2	7.8	7.3	6.9	6.4	5.9	5.4	4.9	4.9
52.5°	9.4	8.6	8.2	7.9	7.5	7.0	6.5	6.0	5.5	5.0	4.9
50°	8.6	8.3	8.4	8.1	7.6	7.1	6.7	6.4	6.2	6.0	6.1
47.5°	8.8	9.1	8.9	8.3	7.9	8.0	8.0	8.0	8.1	7.8	7.7
45°	10.1	10.1	10.0	9.9	9.5	10.4	11.0	11.1	12.8	12.2	10.3
42.5°	12.5	13.1	13.9	14.7	13.6	17.3	23.3	27.3	23.3	18.5	15.6
40°	19.0	19.5	23.6	25.8	30.6	36.0	32.8	27.4	24.5	26.1	27.0
37.5°	29.9	34.9	41.8	49.4	47.6	39.5	40.4	40.3	38.9	42.2	42.5
35°	48.9	61.2	67.0	68.8	65.4	62.9	65.2	67.4	62.3	70.3	72.9
32.5°	79.9	94.9	98.3	94.8	95.2	100.7	104.8	112.3	119.8	131.8	146.1
30°	117.8	134.0	141.8	134.7	136.2	149.2	157.7	174.8	202.0	233.2	272.0
27.5°	174.5	186.6	200.4	202.3	195.8	215.0	245.0	263.0	336.3	384.8	472.3
25°	249.4	268.0	280.2	300.8	311.8	335.0	392.6	448.0	560.7	670.3	856.5
22.5°	347.6	407.6	429.6	426.5	491.3	553.7	602.7	758.0	979.8	1304.5	1670.1
20°	477.4	600.7	705.4	739.4	762.5	927.0	1096.3	1578.0	2130.2	3051.9	3768.4
17.5°	860.5	901.1	1131.1	1318.4	1407.5	1756.0	2546.0	3758.7	5842.9	8694.7	10448.1
15°	1436.6	1552.4	1783.1	2179.2	2669.5	3593.3	4912.1	8778.1	14123.5	19965.0	25526.4
12.5°	2072.8	2314.3	2736.9	3320.4	4098.7	6734.5	10990.8	18264.3	28160.3	38280.9	51188.7
10°	2663.3	3148.8	3842.5	4827.2	6825.5	11328.6	18492.9	30856.7	48385.8	66663.8	84924.1
7.5°	3144.9	3839.6	4853.9	6328.9	9910.5	17140.2	28889.6	47106.0	69581.1	93096.6	117854.8
5°	3631.3	4510.7	5732.5	7517.1	11932.1	21630.1	37258.1	62196.9	91201.2	120831.5	152032.3
2.5°	4052.9	5081.8	6496.2	8581.2	13291.6	24060.2	42306.5	73015.3	107069.3	142526.7	182265.9
0°	4364.5	5412.1	6915.2	9084.3	14631.2	25952.0	45261.8	76213.1	110849.7	147455.6	188070.8
-2.5°	4321.1	5268.5	6631.0	8783.6	14165.7	25610.7	43415.8	73580.1	107479.4	141794.1	178017.4
-5°	4123.7	4947.6	6168.4	8095.2	12558.3	22220.5	38960.8	66760.4	98282.3	129640.3	161870.2
-7.5°	3822.8	4535.6	5605.7	7260.9	10704.7	18313.0	32225.2	53971.5	81071.8	107872.2	132734.7
-10°	3512.0	4092.6	4959.9	6267.8	8724.4	14040.6	23878.7	40135.8	62673.0	84743.9	103796.6
-12.5°	3219.8	3652.2	4269.0	5179.6	6693.8	10511.1	17939.4	29800.4	44854.6	61823.7	78321.4
-15°	2947.3	3267.0	3709.9	4444.4	5656.2	7920.4	11953.1	19857.4	30446.4	42291.2	53695.6
-17.5°	2697.5	2961.1	3306.6	3823.8	4574.7	5974.8	8799.9	13318.9	19712.2	28137.5	36013.0
-20°	2473.6	2712.3	2970.8	3358.3	3934.9	4759.1	6149.9	8955.3	12644.5	17955.0	23163.3



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2298.3	2485.8	2686.7	2983.0	3463.8	4048.2	4739.6	5888.9	7919.5	10643.4	13728.2
-25°	2138.0	2276.9	2485.4	2804.3	3133.6	3523.5	3942.7	4403.7	5304.6	6180.7	7795.7
-27.5°	1985.7	2132.2	2349.4	2637.2	2937.6	3119.7	3387.8	3672.5	4103.5	4483.9	5127.3
-30°	1858.7	2012.5	2196.9	2439.8	2692.7	2864.1	3003.6	3209.6	3448.6	3687.2	3964.0
-32.5°	1619.9	1913.4	2041.1	2226.4	2454.1	2634.5	2758.0	2911.0	3038.7	3187.0	3337.4
-35°	1358.7	1682.4	1946.7	2066.5	2224.0	2424.6	2600.2	2723.1	2822.0	2913.5	2999.7
-37.5°	1063.2	1399.7	1688.4	1931.4	2075.5	2209.9	2396.1	2561.5	2680.5	2743.4	2799.4
-40°	950.7	1047.9	1352.8	1631.5	1848.4	2058.9	2204.0	2366.1	2503.7	2590.5	2655.6
-42.5°	931.4	981.4	1020.8	1232.0	1495.2	1720.7	1912.7	2101.8	2269.9	2394.5	2495.1
-45°	879.5	938.9	994.2	1033.3	1073.8	1273.1	1487.5	1696.3	1886.0	2055.7	2204.1
-47.5°	795.4	866.4	925.5	982.2	1026.2	1061.0	1101.2	1167.7	1345.4	1519.7	1685.4
-50°	704.2	768.4	832.6	893.6	941.4	983.4	1022.1	1055.1	1088.4	1123.3	1156.5
-52.5°	613.9	671.3	728.4	782.0	832.9	880.9	925.5	958.3	986.3	1011.1	1029.7
-55°	542.9	585.6	627.2	672.6	717.9	760.2	799.0	834.5	866.7	895.5	917.7
-57.5°	464.5	506.4	546.2	580.2	613.2	645.1	678.0	709.5	737.3	761.4	780.9
-60°	382.6	418.3	453.8	487.2	519.1	549.1	576.0	600.9	623.3	642.5	656.9
-62.5°	303.5	331.8	363.6	392.7	418.3	442.8	470.6	495.6	517.8	536.3	550.0
-65°	243.7	264.0	286.9	309.5	331.6	355.4	379.6	401.1	420.0	435.4	447.7
-67.5°	177.6	197.5	219.8	240.0	258.7	278.8	302.0	323.3	342.7	358.4	371.1
-70°	119.8	133.9	151.5	170.3	188.6	207.8	228.9	249.3	268.8	283.6	295.8
-72.5°	71.9	81.1	90.6	102.8	115.8	131.5	149.3	167.1	184.8	197.6	207.6
-75°	35.2	38.9	46.7	53.8	60.3	68.7	77.7	86.2	94.1	99.8	104.6
-77.5°	28.5	30.3	32.1	33.8	35.4	39.1	43.5	48.1	52.8	56.5	60.1
-80°	21.9	23.0	24.2	25.5	26.8	29.6	32.7	35.8	38.9	41.2	43.4
-82.5°	15.2	15.8	16.4	16.9	17.4	19.4	21.5	23.6	25.5	27.4	29.2
-85°	10.3	10.5	10.6	10.8	10.9	12.9	15.0	17.2	19.3	21.1	22.8
-87.5°	8.2	8.3	8.3	8.3	8.4	10.1	11.8	13.5	15.1	16.8	18.4
-90°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.8



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	43.1	49.3	45.2	41.1	45.2	49.3	43.1	37.0	30.8	24.7	21.0
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
85°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.2
82.5°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.5	2.9	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.3	3.7
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.8
75°	3.7	3.3	4.1	4.9	4.1	3.3	3.7	4.1	4.4	4.7	5.0
72.5°	8.4	8.1	8.2	8.2	8.2	8.1	8.4	8.6	8.7	8.9	9.1
70°	9.8	9.8	9.9	9.9	9.9	9.8	9.8	9.8	9.8	10.4	11.8
67.5°	8.8	8.3	8.2	8.2	8.2	8.3	8.8	9.3	9.7	10.5	12.1
65°	6.8	6.7	6.6	6.6	6.6	6.7	6.8	7.0	7.4	8.5	10.3
62.5°	6.1	6.5	6.6	6.6	6.6	6.5	6.1	5.7	5.5	6.3	7.7
60°	5.0	5.0	4.9	4.9	4.9	5.0	5.0	5.0	4.9	5.4	6.2
57.5°	4.9	4.9	5.6	6.6	5.6	4.9	4.9	4.9	4.9	5.3	5.8
55°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.4	5.9
52.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.5	6.0
50°	6.3	6.5	6.6	6.6	6.6	6.5	6.3	6.1	6.0	6.2	6.4
47.5°	7.9	8.1	7.7	6.6	7.7	8.1	7.9	7.7	7.8	8.1	8.0
45°	10.3	10.1	9.9	9.9	9.9	10.1	10.3	10.3	12.2	12.8	11.1
42.5°	16.0	16.2	16.2	16.4	16.2	16.2	16.0	15.6	18.5	23.3	27.3
40°	28.5	29.1	29.3	29.6	29.3	29.1	28.5	27.0	26.1	24.5	27.4
37.5°	43.0	43.8	44.0	44.4	44.0	43.8	43.0	42.5	42.2	38.9	40.3
35°	72.6	72.3	69.9	70.7	69.9	72.3	72.6	72.9	70.3	62.3	67.4
32.5°	155.9	157.1	149.0	136.5	149.0	157.1	155.9	146.1	131.8	119.8	112.3
30°	301.3	327.0	344.4	345.3	344.4	327.0	301.3	272.0	233.2	202.0	174.8
27.5°	530.7	570.8	587.9	597.0	587.9	570.8	530.7	472.3	384.8	336.3	263.0
25°	1002.7	1094.7	1144.4	1106.8	1144.4	1094.7	1002.7	856.5	670.3	560.7	448.0
22.5°	2017.6	2193.4	2343.3	2351.6	2343.3	2193.4	2017.6	1670.1	1304.5	979.8	758.0
20°	4764.7	4724.7	5103.6	4913.8	5103.6	4724.7	4764.7	3768.4	3051.9	2130.2	1578.0
17.5°	13514.6	15009.5	15835.6	14705.2	15835.6	15009.5	13514.6	10448.1	8694.7	5842.9	3758.7
15°	31069.5	34798.7	37322.0	36999.8	37322.0	34798.7	31069.5	25526.4	19965.0	14123.5	8778.1
12.5°	58418.6	64546.8	69770.3	69551.2	69770.3	64546.8	58418.6	51188.7	38280.9	28160.3	18264.3
10°	101192.5	111876.7	121833.7	122871.0	121833.7	111876.7	101192.5	84924.1	66663.8	48385.8	30856.7
7.5°	140600.7	164660.1	179001.5	182681.0	179001.5	164660.1	140600.7	117854.8	93096.6	69581.1	47106.0
5°	189946.5	217808.2	232881.0	233283.3	232881.0	217808.2	189946.5	152032.3	120831.5	91201.2	62196.9
2.5°	226476.1	257860.4	276367.8	290687.3	276367.8	257860.4	226476.1	182265.9	142526.7	107069.3	73015.3
0°	237340.3	264405.6	294605.3	311395.8	294605.3	264405.6	237340.3	188070.8	147455.6	110849.7	76213.1
-2.5°	222782.9	251119.8	266111.3	279768.6	266111.3	251119.8	222782.9	178017.4	141794.1	107479.4	73580.1
-5°	195127.4	225140.9	239544.6	242619.2	239544.6	225140.9	195127.4	161870.2	129640.3	98282.3	66760.4
-7.5°	155263.2	176387.8	190970.0	196688.9	190970.0	176387.8	155263.2	132734.7	107872.2	81071.8	53971.5
-10°	121514.7	135155.5	142452.8	147305.1	142452.8	135155.5	121514.7	103796.6	84743.9	62673.0	40135.8
-12.5°	91618.6	101479.4	107202.4	109693.6	107202.4	101479.4	91618.6	78321.4	61823.7	44854.6	29800.4
-15°	65213.5	73016.3	76891.5	79359.0	76891.5	73016.3	65213.5	53695.6	42291.2	30446.4	19857.4
-17.5°	44679.9	50953.8	54529.9	56855.6	54529.9	50953.8	44679.9	36013.0	28137.5	19712.2	13318.9
-20°	28587.4	32323.1	35074.7	35876.6	35074.7	32323.1	28587.4	23163.3	17955.0	12644.5	8955.3



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16702.7	18902.3	20287.9	20602.4	20287.9	18902.3	16702.7	13728.2	10643.4	7919.5	5888.9
-25°	9081.6	10040.0	10767.0	11013.3	10767.0	10040.0	9081.6	7795.7	6180.7	5304.6	4403.7
-27.5°	5577.1	5947.6	6216.1	6354.4	6216.1	5947.6	5577.1	5127.3	4483.9	4103.5	3672.5
-30°	4194.8	4363.8	4464.7	4532.3	4464.7	4363.8	4194.8	3964.0	3687.2	3448.6	3209.6
-32.5°	3444.0	3519.7	3565.3	3596.5	3565.3	3519.7	3444.0	3337.4	3187.0	3038.7	2911.0
-35°	3067.8	3116.9	3150.7	3167.3	3150.7	3116.9	3067.8	2999.7	2913.5	2822.0	2723.1
-37.5°	2841.1	2872.1	2894.5	2907.5	2894.5	2872.1	2841.1	2799.4	2743.4	2680.5	2561.5
-40°	2686.6	2708.3	2726.2	2746.3	2726.2	2708.3	2686.6	2655.6	2590.5	2503.7	2366.1
-42.5°	2545.7	2577.9	2594.1	2598.3	2594.1	2577.9	2545.7	2495.1	2394.5	2269.9	2101.8
-45°	2317.7	2407.3	2462.3	2479.9	2462.3	2407.3	2317.7	2204.1	2055.7	1886.0	1696.3
-47.5°	1837.7	1971.6	2072.8	2134.6	2072.8	1971.6	1837.7	1685.4	1519.7	1345.4	1167.7
-50°	1187.4	1215.7	1226.9	1220.2	1226.9	1215.7	1187.4	1156.5	1123.3	1088.4	1055.1
-52.5°	1044.4	1055.8	1065.3	1072.2	1065.3	1055.8	1044.4	1029.7	1011.1	986.3	958.3
-55°	935.1	947.9	960.0	970.3	960.0	947.9	935.1	917.7	895.5	866.7	834.5
-57.5°	797.3	810.3	815.1	814.0	815.1	810.3	797.3	780.9	761.4	737.3	709.5
-60°	668.7	677.9	684.8	689.0	684.8	677.9	668.7	656.9	642.5	623.3	600.9
-62.5°	560.8	568.8	577.7	585.4	577.7	568.8	560.8	550.0	536.3	517.8	495.6
-65°	457.9	466.4	473.3	478.6	473.3	466.4	457.9	447.7	435.4	420.0	401.1
-67.5°	382.5	392.6	400.1	406.2	400.1	392.6	382.5	371.1	358.4	342.7	323.3
-70°	306.9	316.9	323.0	327.3	323.0	316.9	306.9	295.8	283.6	268.8	249.3
-72.5°	216.2	223.5	226.9	228.6	226.9	223.5	216.2	207.6	197.6	184.8	167.1
-75°	108.7	112.3	115.6	118.4	115.6	112.3	108.7	104.6	99.8	94.1	86.2
-77.5°	63.5	66.9	68.9	70.7	68.9	66.9	63.5	60.1	56.5	52.8	48.1
-80°	45.5	47.4	49.3	51.0	49.3	47.4	45.5	43.4	41.2	38.9	35.8
-82.5°	31.0	32.8	33.7	34.5	33.7	32.8	31.0	29.2	27.4	25.5	23.6
-85°	24.5	26.3	27.1	28.0	27.1	26.3	24.5	22.8	21.1	19.3	17.2
-87.5°	19.9	21.5	22.2	23.0	22.2	21.5	19.9	18.4	16.8	15.1	13.5
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	2.0



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17.3	13.6	9.9	9.5	9.0	8.6	8.2	7.8	7.4	7.0	6.6
87.5°	2.5	2.9	3.3	3.7	4.1	4.5	4.9	4.9	4.9	4.9	4.9
85°	3.2	3.2	3.3	3.7	4.1	4.5	4.9	4.9	4.9	4.9	4.9
82.5°	3.3	3.3	3.3	3.7	4.1	4.5	4.9	5.1	5.2	5.2	5.1
80°	3.9	4.2	4.3	4.4	4.5	4.7	5.0	5.4	5.8	6.2	6.3
77.5°	4.2	4.6	4.9	5.1	5.2	5.2	5.1	5.4	5.9	6.3	6.6
75°	5.2	5.5	5.9	6.5	6.7	6.6	6.4	6.3	6.3	6.4	6.6
72.5°	9.3	9.2	9.7	10.7	11.1	11.6	11.5	10.7	9.4	7.8	6.6
70°	12.9	13.8	15.7	18.6	20.6	21.5	21.1	19.5	16.8	14.7	11.8
67.5°	13.7	15.4	18.4	22.0	24.8	27.5	30.0	32.1	31.2	28.1	20.3
65°	12.1	13.9	16.2	18.9	22.4	26.9	32.9	36.5	38.5	39.0	32.3
62.5°	9.4	11.2	12.4	14.4	17.0	21.4	28.6	35.1	40.9	42.6	36.3
60°	7.2	8.2	9.1	10.2	11.7	15.8	23.2	31.0	39.2	39.4	36.5
57.5°	6.3	6.9	7.6	8.0	8.2	11.5	17.4	25.2	33.7	33.6	32.6
55°	6.4	6.9	7.3	7.8	8.2	9.5	12.0	17.1	24.1	25.9	25.7
52.5°	6.5	7.0	7.5	7.9	8.2	8.6	9.4	12.4	14.9	17.7	19.0
50°	6.7	7.1	7.6	8.1	8.4	8.3	8.6	9.5	10.9	12.6	13.8
47.5°	8.0	8.0	7.9	8.3	8.9	9.1	8.8	8.6	9.7	10.1	11.2
45°	11.0	10.4	9.5	9.9	10.0	10.1	10.1	10.6	10.2	10.3	9.9
42.5°	23.3	17.3	13.6	14.7	13.9	13.1	12.5	13.6	13.0	11.8	12.7
40°	32.8	36.0	30.6	25.8	23.6	19.5	19.0	18.0	17.3	15.2	17.5
37.5°	40.4	39.5	47.6	49.4	41.8	34.9	29.9	26.1	23.2	23.7	25.1
35°	65.2	62.9	65.4	68.8	67.0	61.2	48.9	38.8	33.8	34.5	34.4
32.5°	104.8	100.7	95.2	94.8	98.3	94.9	79.9	59.9	51.7	48.5	45.7
30°	157.7	149.2	136.2	134.7	141.8	134.0	117.8	103.8	85.8	65.2	58.8
27.5°	245.0	215.0	195.8	202.3	200.4	186.6	174.5	160.3	129.8	97.9	79.1
25°	392.6	335.0	311.8	300.8	280.2	268.0	249.4	224.5	188.3	148.0	129.6
22.5°	602.7	553.7	491.3	426.5	429.6	407.6	347.6	295.7	282.6	282.8	223.5
20°	1096.3	927.0	762.5	739.4	705.4	600.7	477.4	469.3	515.1	473.1	349.6
17.5°	2546.0	1756.0	1407.5	1318.4	1131.1	901.1	860.5	817.7	791.8	709.0	500.2
15°	4912.1	3593.3	2669.5	2179.2	1783.1	1552.4	1436.6	1215.9	1111.6	971.3	724.6
12.5°	10990.8	6734.5	4098.7	3320.4	2736.9	2314.3	2072.8	1740.1	1475.0	1305.7	1060.0
10°	18492.9	11328.6	6825.5	4827.2	3842.5	3148.8	2663.3	2220.8	1858.1	1662.2	1405.4
7.5°	28889.6	17140.2	9910.5	6328.9	4853.9	3839.6	3144.9	2637.7	2227.8	2009.6	1753.5
5°	37258.1	21630.1	11932.1	7517.1	5732.5	4510.7	3631.3	3014.2	2583.9	2347.1	2095.2
2.5°	42306.5	24060.2	13291.6	8581.2	6496.2	5081.8	4052.9	3298.6	2837.5	2543.7	2269.0
0°	45261.8	25952.0	14631.2	9084.3	6915.2	5412.1	4364.5	3506.1	3037.4	2703.6	2419.1
-2.5°	43415.8	25610.7	14165.7	8783.6	6631.0	5268.5	4321.1	3570.2	3111.5	2758.7	2425.7
-5°	38960.8	22220.5	12558.3	8095.2	6168.4	4947.6	4123.7	3506.5	3093.5	2767.8	2401.2
-7.5°	32225.2	18313.0	10704.7	7260.9	5605.7	4535.6	3822.8	3295.3	2906.8	2623.1	2252.4
-10°	23878.7	14040.6	8724.4	6267.8	4959.9	4092.6	3512.0	3055.1	2716.6	2472.4	2080.7
-12.5°	17939.4	10511.1	6693.8	5179.6	4269.0	3652.2	3219.8	2802.0	2528.3	2319.7	1890.5
-15°	11953.1	7920.4	5656.2	4444.4	3709.9	3267.0	2947.3	2590.0	2386.6	2174.2	1685.3
-17.5°	8799.9	5974.8	4574.7	3823.8	3306.6	2961.1	2697.5	2438.7	2242.2	1990.1	1467.3
-20°	6149.9	4759.1	3934.9	3358.3	2970.8	2712.3	2473.6	2279.5	2082.2	1731.6	1246.4



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4739.6	4048.2	3463.8	2983.0	2686.7	2485.8	2298.3	2121.4	1908.1	1458.7	1030.2
-25°	3942.7	3523.5	3133.6	2804.3	2485.4	2276.9	2138.0	1970.8	1645.8	1201.0	846.9
-27.5°	3387.8	3119.7	2937.6	2637.2	2349.4	2132.2	1985.7	1801.0	1388.0	1005.0	810.8
-30°	3003.6	2864.1	2692.7	2439.8	2196.9	2012.5	1858.7	1524.1	1159.7	853.0	791.6
-32.5°	2758.0	2634.5	2454.1	2226.4	2041.1	1913.4	1619.9	1261.4	931.1	831.4	764.7
-35°	2600.2	2424.6	2224.0	2066.5	1946.7	1682.4	1358.7	1016.7	866.0	804.1	733.3
-37.5°	2396.1	2209.9	2075.5	1931.4	1688.4	1399.7	1063.2	909.8	841.7	768.1	692.1
-40°	2204.0	2058.9	1848.4	1631.5	1352.8	1047.9	950.7	891.4	809.4	724.6	644.4
-42.5°	1912.7	1720.7	1495.2	1232.0	1020.8	981.4	931.4	850.7	765.2	675.5	594.8
-45°	1487.5	1273.1	1073.8	1033.3	994.2	938.9	879.5	792.9	703.4	620.6	542.7
-47.5°	1101.2	1061.0	1026.2	982.2	925.5	866.4	795.4	717.4	637.1	561.7	500.2
-50°	1022.1	983.4	941.4	893.6	832.6	768.4	704.2	639.5	571.1	512.0	453.3
-52.5°	925.5	880.9	832.9	782.0	728.4	671.3	613.9	566.6	513.8	457.0	401.0
-55°	799.0	760.2	717.9	672.6	627.2	585.6	542.9	498.0	449.7	397.0	346.8
-57.5°	678.0	645.1	613.2	580.2	546.2	506.4	464.5	422.7	381.3	334.8	291.5
-60°	576.0	549.1	519.1	487.2	453.8	418.3	382.6	346.1	309.0	278.5	246.9
-62.5°	470.6	442.8	418.3	392.7	363.6	331.8	303.5	279.8	255.3	228.9	198.1
-65°	379.6	355.4	331.6	309.5	286.9	264.0	243.7	221.5	197.9	173.6	146.6
-67.5°	302.0	278.8	258.7	240.0	219.8	197.5	177.6	157.8	140.4	122.9	101.5
-70°	228.9	207.8	188.6	170.3	151.5	133.9	119.8	106.0	91.1	77.6	63.3
-72.5°	149.3	131.5	115.8	102.8	90.6	81.1	71.9	62.1	51.8	41.0	33.0
-75°	77.7	68.7	60.3	53.8	46.7	38.9	35.2	33.3	31.3	29.0	26.5
-77.5°	43.5	39.1	35.4	33.8	32.1	30.3	28.5	26.6	24.8	23.0	21.4
-80°	32.7	29.6	26.8	25.5	24.2	23.0	21.9	20.5	19.3	18.1	17.1
-82.5°	21.5	19.4	17.4	16.9	16.4	15.8	15.2	14.7	14.3	14.0	13.7
-85°	15.0	12.9	10.9	10.8	10.6	10.5	10.3	10.4	10.4	10.4	10.3
-87.5°	11.8	10.1	8.4	8.3	8.3	8.3	8.2	8.1	8.0	7.9	7.7
-90°	2.5	2.9	3.3	3.7	4.1	4.5	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	5.2	5.4	5.7	5.9	6.0	6.2	6.4	6.6	6.6	6.6	6.6
85°	5.3	5.8	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	5.4	5.8	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.2	6.3	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
75°	6.6	6.6	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	6.6	6.6	6.6	6.8	7.0	7.1	6.9	6.6	6.6	6.6	6.6
70°	9.0	7.0	6.6	6.7	7.1	7.6	7.5	7.1	6.6	6.6	6.6
67.5°	13.3	10.2	8.0	6.8	6.8	7.3	8.0	7.8	7.2	6.6	6.6
65°	23.2	15.6	9.7	8.1	7.0	6.7	7.4	8.1	7.8	7.1	6.6
62.5°	29.9	22.9	15.6	10.4	7.7	6.8	6.8	7.6	8.1	7.6	6.9
60°	33.0	26.3	21.0	15.5	10.1	7.0	6.7	7.2	7.9	8.1	7.3
57.5°	30.1	28.1	24.0	19.5	14.3	8.9	6.8	7.2	7.7	8.1	7.8
55°	25.4	24.6	25.3	21.9	17.4	12.2	7.9	7.3	7.6	8.1	8.2
52.5°	18.9	21.6	24.0	23.2	19.3	15.0	10.5	7.4	7.7	8.1	8.2
50°	13.9	18.0	22.5	23.5	20.9	16.7	12.6	8.9	7.8	8.1	8.3
47.5°	12.9	16.3	20.0	23.8	22.3	18.2	14.2	10.3	7.9	8.2	8.4
45°	13.3	16.1	18.9	22.2	23.8	19.5	15.5	11.3	8.7	8.4	8.6
42.5°	14.7	17.2	19.3	21.2	22.7	20.3	16.8	12.4	9.3	8.6	8.8
40°	19.0	19.4	20.5	22.3	22.0	20.9	17.3	13.4	9.6	9.0	9.0
37.5°	24.7	23.8	23.2	25.6	22.9	20.8	17.5	14.4	10.7	9.7	9.2
35°	33.0	30.2	28.8	30.8	27.6	21.4	17.5	15.0	12.4	10.4	9.5
32.5°	42.6	40.7	39.0	36.9	34.1	22.5	17.9	16.4	14.1	11.1	9.9
30°	57.3	59.5	51.4	43.7	41.5	28.6	20.3	18.2	16.0	11.9	10.3
27.5°	89.5	84.2	67.2	54.7	48.0	36.9	25.2	20.3	17.8	13.0	10.9
25°	131.2	117.0	91.6	68.2	55.0	59.7	31.2	22.9	19.6	14.5	11.6
22.5°	181.4	157.2	119.8	82.9	86.8	89.6	43.8	27.6	21.6	16.0	12.2
20°	238.1	203.3	161.7	137.9	126.9	118.1	65.8	32.8	23.7	17.5	12.9
17.5°	309.3	289.5	262.6	209.7	172.5	149.5	91.5	38.4	25.9	19.0	13.5
15°	506.5	422.2	374.4	290.0	221.3	183.3	120.1	44.2	28.2	20.4	14.2
12.5°	744.4	557.5	494.3	376.9	272.5	219.0	150.7	50.2	30.5	22.0	15.1
10°	999.0	694.5	619.8	468.0	325.0	255.7	182.1	57.5	34.4	23.7	16.1
7.5°	1262.0	832.0	747.9	561.0	377.3	292.3	216.8	67.7	38.6	25.4	17.0
5°	1499.2	947.9	850.6	640.1	424.1	327.5	250.5	77.9	42.9	26.9	18.0
2.5°	1613.4	1029.1	932.1	712.9	469.0	361.1	281.7	87.8	47.1	28.3	18.9
0°	1703.7	1106.8	1006.4	779.5	511.4	393.0	309.2	97.0	51.0	29.6	19.7
-2.5°	1712.5	1104.8	996.5	778.5	526.5	405.6	315.0	111.1	62.7	37.6	23.5
-5°	1694.8	1098.5	979.9	770.8	538.1	415.8	316.5	124.1	73.8	45.2	27.1
-7.5°	1594.9	1062.0	947.8	755.5	546.1	423.0	314.3	136.0	84.2	52.3	30.5
-10°	1458.1	1006.6	896.3	721.1	537.2	422.0	308.6	146.7	93.7	58.7	33.4
-12.5°	1298.8	950.0	844.3	684.3	523.0	414.1	298.8	156.4	102.1	64.1	35.8
-15°	1118.0	893.1	793.5	646.2	506.3	404.8	287.7	164.7	109.9	69.2	37.7
-17.5°	922.7	836.7	745.4	608.1	487.3	394.2	276.2	171.5	116.6	73.9	39.8
-20°	863.5	792.9	700.2	571.1	466.1	382.6	264.9	176.4	122.0	77.4	41.8



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	829.7	758.1	660.4	542.4	446.1	370.3	254.4	179.6	126.3	79.7	42.9
-25°	796.7	723.0	622.2	517.2	429.8	352.5	250.5	180.8	129.2	80.6	43.0
-27.5°	759.1	685.5	584.2	490.2	414.1	337.7	250.7	183.3	130.5	80.0	42.0
-30°	720.2	642.4	550.8	463.9	396.9	319.7	248.4	184.2	129.6	78.7	39.9
-32.5°	688.3	600.8	517.2	443.4	376.1	300.9	239.0	183.4	126.7	76.2	38.4
-35°	649.8	563.8	483.2	421.3	353.5	285.3	226.3	180.7	121.7	72.1	36.5
-37.5°	608.3	526.9	457.8	397.0	330.2	267.7	214.8	168.6	114.6	66.3	33.6
-40°	565.4	491.8	431.4	370.8	307.9	247.9	201.6	153.7	106.4	58.9	29.7
-42.5°	520.5	460.1	401.0	343.4	284.1	231.6	186.4	137.2	93.4	52.4	24.9
-45°	482.8	424.7	367.2	312.7	259.2	213.6	166.5	119.5	78.9	45.7	21.3
-47.5°	441.4	384.8	331.2	279.9	237.1	192.7	144.8	102.1	63.6	37.7	20.2
-50°	394.9	342.9	293.4	250.4	211.8	166.7	122.2	83.5	52.5	27.9	19.0
-52.5°	348.0	299.8	258.4	221.3	181.2	138.9	100.1	64.5	40.9	23.5	17.5
-55°	299.3	260.4	225.3	187.7	148.5	112.0	76.8	51.0	28.7	21.3	15.9
-57.5°	257.1	223.1	187.5	151.1	116.9	84.5	57.9	36.8	24.0	19.0	15.0
-60°	214.8	180.6	146.9	115.9	85.8	61.0	41.6	26.0	21.4	16.9	13.8
-62.5°	167.2	136.9	108.5	81.0	59.9	42.4	27.3	23.0	18.7	15.6	12.6
-65°	122.0	96.3	70.8	55.1	39.3	27.4	23.9	20.0	16.9	14.2	11.6
-67.5°	79.0	62.3	46.5	32.3	26.8	23.6	20.4	17.8	15.3	12.7	10.7
-70°	48.7	34.8	28.4	25.4	22.6	20.0	18.1	15.9	13.6	11.7	9.9
-72.5°	29.8	26.6	23.6	21.0	19.4	17.7	16.0	14.2	12.5	10.8	9.0
-75°	23.8	21.8	19.9	18.3	16.8	15.4	14.2	12.9	11.3	9.7	8.7
-77.5°	19.8	18.3	16.9	15.6	14.5	13.4	12.6	11.7	10.3	9.3	8.5
-80°	16.1	15.0	13.9	12.9	12.1	11.5	11.0	10.4	9.4	8.8	8.3
-82.5°	12.8	12.0	11.2	10.6	10.2	9.8	9.5	9.1	8.6	8.2	8.0
-85°	9.8	9.4	9.0	8.7	8.4	8.2	8.1	8.0	7.8	7.7	7.6
-87.5°	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.3	7.2	7.1	7.1
-90°	4.9	4.9	4.9	4.9	5.3	5.8	6.2	6.6	6.6	6.6	6.6



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
85°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
82.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
75°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
70°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
67.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6
65°	6.7	6.7	6.6	6.6	6.6	6.6	6.6
62.5°	6.8	6.8	6.6	6.6	6.6	6.6	6.6
60°	6.9	6.9	6.6	6.6	6.6	6.6	6.6
57.5°	7.2	7.1	6.7	6.6	6.6	6.6	6.6
55°	7.5	7.2	6.9	6.6	6.6	6.6	6.6
52.5°	7.8	7.4	7.1	6.6	6.7	6.6	6.6
50°	8.0	7.6	7.3	6.6	6.7	6.6	6.6
47.5°	8.2	7.8	7.4	6.6	6.7	6.6	6.6
45°	8.4	7.9	7.6	6.8	6.8	6.6	6.6
42.5°	8.5	8.0	7.8	6.9	6.8	6.6	6.6
40°	8.7	8.1	8.0	7.1	6.9	6.6	6.6
37.5°	8.9	8.2	8.0	7.3	7.0	6.6	6.6
35°	9.2	8.3	8.1	7.4	7.0	6.6	6.6
32.5°	9.4	8.5	8.2	7.6	7.1	6.6	6.6
30°	9.7	8.7	8.2	7.7	7.2	6.6	6.6
27.5°	9.9	8.9	8.2	7.8	7.3	6.6	6.6
25°	10.2	9.1	8.2	7.9	7.3	6.6	6.6
22.5°	10.5	9.2	8.2	8.0	7.4	6.6	6.6
20°	10.8	9.4	8.2	8.0	7.5	6.6	6.6
17.5°	11.0	9.5	8.2	8.1	7.6	6.6	6.6
15°	11.2	9.6	8.2	8.1	7.7	6.6	6.6
12.5°	11.3	9.7	8.2	8.2	7.8	6.6	6.6
10°	11.4	9.8	8.2	8.2	7.9	6.6	6.6
7.5°	11.4	9.8	8.2	8.2	8.0	6.6	6.6
5°	11.5	9.9	8.2	8.2	8.0	6.6	6.6
2.5°	11.5	9.9	8.2	8.2	8.1	6.6	6.6
0°	11.5	9.9	8.2	8.2	8.2	6.6	6.6
-2.5°	13.0	10.3	8.3	8.2	8.2	6.6	6.6
-5°	14.5	10.6	8.5	8.2	8.2	6.6	6.6
-7.5°	15.9	10.9	8.6	8.2	8.2	6.6	6.6
-10°	17.1	11.2	8.8	8.2	8.2	6.6	6.6
-12.5°	18.1	11.4	8.9	8.2	8.1	6.6	6.6
-15°	18.9	11.6	9.0	8.2	8.1	6.6	6.6
-17.5°	19.5	11.7	9.0	8.2	8.1	6.6	6.6
-20°	20.1	11.8	9.1	8.2	8.0	6.6	6.6



REPORT NUMBER: P731484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.7	11.8	9.1	8.2	8.0	6.6	6.6
-25°	20.8	12.0	9.1	8.2	7.9	6.6	6.6
-27.5°	20.4	12.0	9.1	8.2	7.8	6.6	6.6
-30°	19.3	12.0	9.0	8.2	7.8	6.6	6.6
-32.5°	17.7	11.9	9.0	8.2	7.7	6.6	6.6
-35°	17.0	11.7	9.0	8.2	7.6	6.6	6.6
-37.5°	16.7	11.5	8.9	8.2	7.5	6.6	6.6
-40°	16.3	11.4	8.8	8.2	7.5	6.6	6.6
-42.5°	15.7	11.3	8.8	8.2	7.4	6.6	6.6
-45°	15.0	11.0	8.8	8.2	7.3	6.6	6.6
-47.5°	14.1	10.7	8.8	8.2	7.2	6.6	6.6
-50°	13.5	10.4	8.7	8.1	7.1	6.6	6.6
-52.5°	13.0	9.9	8.6	7.9	6.9	6.6	6.6
-55°	12.3	9.7	8.5	7.8	6.8	6.6	6.6
-57.5°	11.6	9.4	8.4	7.7	6.7	6.6	6.6
-60°	10.8	9.1	8.2	7.5	6.6	6.6	6.6
-62.5°	10.3	8.8	8.0	7.4	6.6	6.6	6.6
-65°	9.7	8.4	7.9	7.2	6.6	6.6	6.6
-67.5°	9.0	8.1	7.8	7.1	6.6	6.6	6.6
-70°	8.3	8.0	7.6	7.0	6.6	6.6	6.6
-72.5°	8.2	8.0	7.5	6.9	6.6	6.6	6.6
-75°	8.2	7.9	7.4	6.9	6.6	6.6	6.6
-77.5°	8.2	7.8	7.3	6.8	6.6	6.6	6.6
-80°	8.2	7.6	7.1	6.8	6.6	6.6	6.6
-82.5°	7.8	7.4	7.0	6.8	6.6	6.6	6.6
-85°	7.4	7.1	6.9	6.7	6.6	6.6	6.6
-87.5°	7.0	6.9	6.7	6.7	6.6	6.6	6.6
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6

(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

