

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: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-3S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
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-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

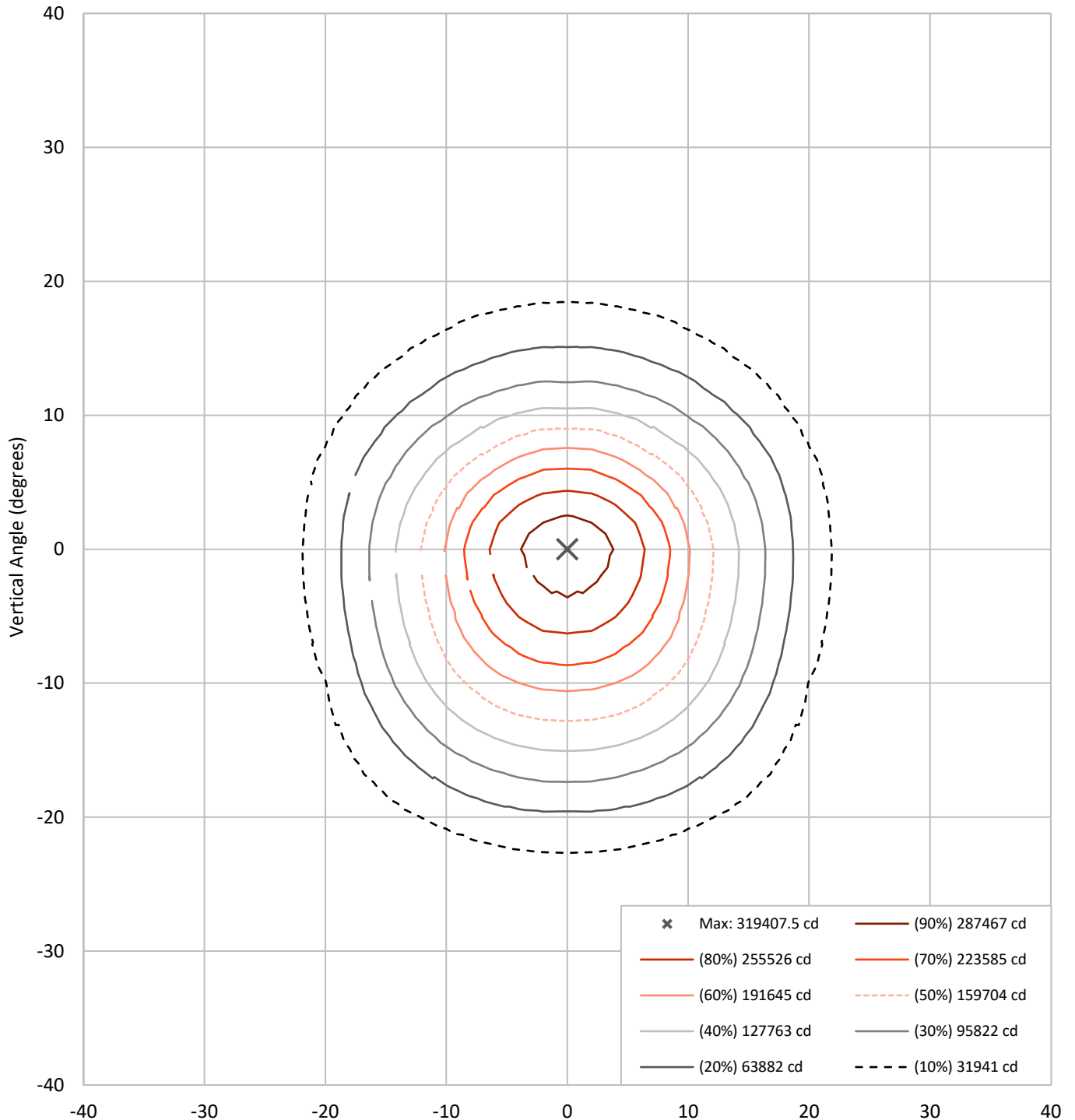
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	63047.2 lumens	Max Intensity:	319407.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	28567.6 lumens	Field Lumens:	54061.8 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

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





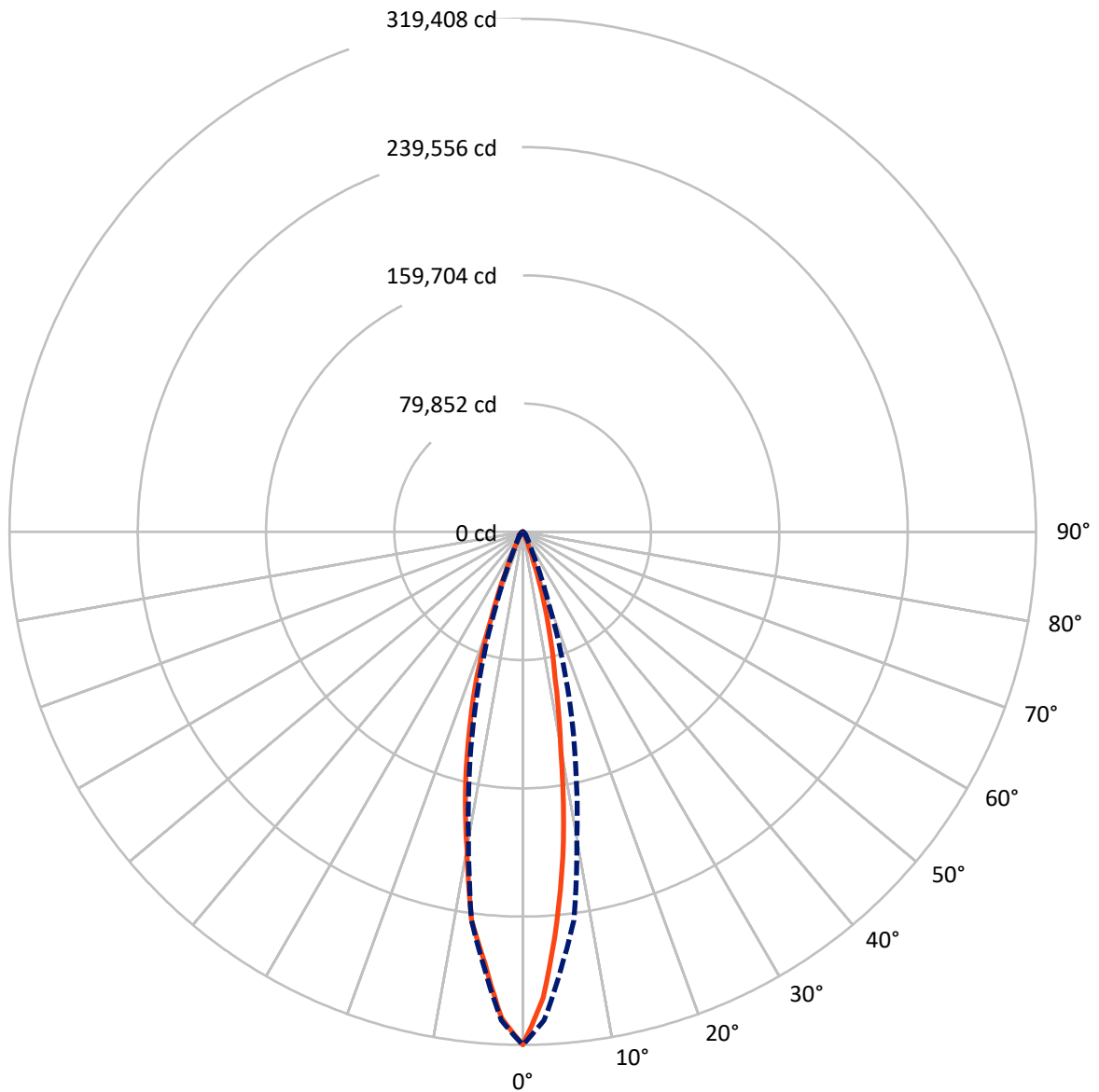
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Lumen Table

90	0.2	0.5	0.6	0.5	0.4	0.5	0.6	0.5	0.2										
80	0.2	0.5	0.6	0.5	0.4	0.5	0.6	0.5	0.2										
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2			
60		0.1	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.3	0.1				
50	0.2	0.2	0.4	0.4	0.6	0.8	1.0	1.2	1.2	1.0	0.8	0.6	0.4	0.4	0.2	0.2			
40		0.2	0.8	1.7	3.4	5.3	6.7	8.2	8.2	6.7	5.3	3.4	1.7	0.8	0.2				
30	0.2	0.4	2.6	8.4	22.0	37.8	86.7	181.1	181.1	86.7	37.8	22.0	8.4	2.6	0.4	0.2			
20		0.9	6.2	22.3	55.2	151.3	795.6	1868.1	1868.1	795.6	151.3	55.2	22.3	6.2	0.9				
10	0.3	1.7	10.9	41.9	101.1	455.7	2746.2	6282.4	6282.4	2746.2	455.7	101.1	41.9	10.9	1.7	0.3			
0		2.8	14.5	50.6	116.0	491.8	3169.2	7141.7	7141.7	3169.2	491.8	116.0	50.6	14.5	2.8				
-10	0.6	3.2	14.8	48.1	106.5	286.7	1620.5	3548.0	3548.0	1620.5	286.7	106.5	48.1	14.8	3.2	0.6			
-20		3.0	12.3	31.4	73.4	129.3	297.1	605.4	605.4	297.1	129.3	73.4	31.4	12.3	3.0				
-30	0.4	2.6	8.9	19.3	42.6	76.1	105.2	127.3	127.3	105.2	76.1	42.6	19.3	8.9	2.6	0.4			
-40		1.8	6.2	13.5	24.5	42.0	68.2	88.7	88.7	68.2	42.0	24.5	13.5	6.2	1.8				
-50	0.3	0.9	3.8	8.9	16.0	24.0	31.3	35.9	35.9	31.3	24.0	16.0	8.9	3.8	0.9	0.3			
-60		0.3	1.4	4.5	9.0	14.4	19.8	23.1	23.1	19.8	14.4	9.0	4.5	1.4	0.3				
-70	0.2	0.9	3.1	8.7	12.5	8.7	3.1	0.9	0.2						0.2				
-80		0.2	0.9	3.1	8.7	12.5	8.7	3.1	0.9	0.2									
-90	0.2	0.9	3.1	8.7	12.5	8.7	3.1	0.9	0.2						0.2				

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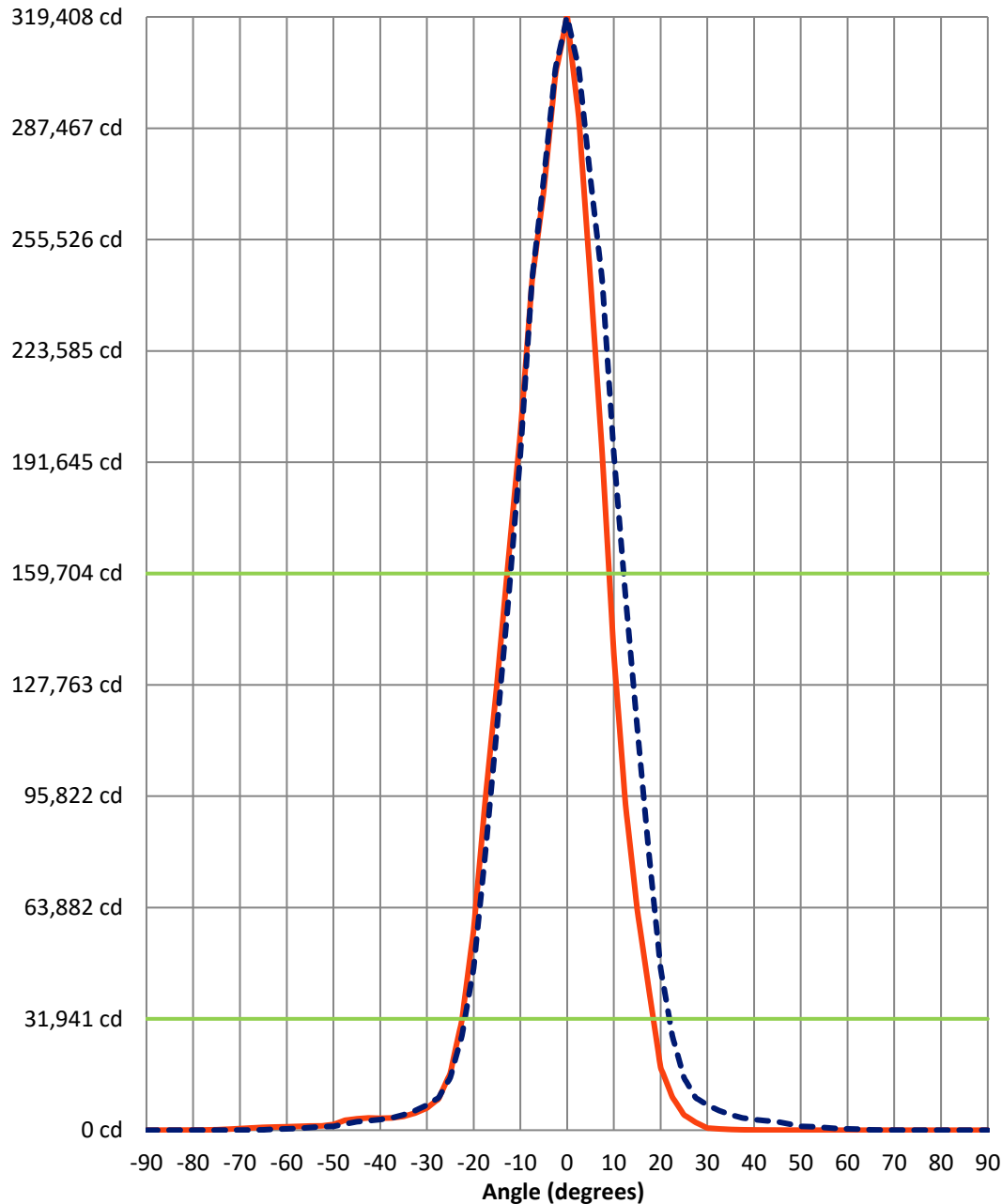
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 28567.6
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 54061.8
 Efficiency: 85.7%

Spill:
 Lumens: 8985.4
 Efficiency: 14.3%

— 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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.6	9.1	9.5	9.9
87.5°	8.2	8.2	8.3	8.4	8.3	8.3	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.3	8.5	8.5	8.5	8.4	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.3	8.6	8.7	8.6	8.5	8.2	8.2	8.2	8.3	8.2
80°	8.2	8.3	8.8	8.9	8.8	8.6	8.3	8.5	8.5	8.5	8.2
77.5°	8.2	8.4	8.9	9.0	9.0	8.8	8.7	8.9	8.8	8.7	8.3
75°	8.2	8.4	9.0	9.2	9.1	9.0	9.2	9.3	9.2	8.7	8.3
72.5°	8.2	8.4	9.2	9.4	9.3	9.3	9.6	9.6	9.2	8.8	8.4
70°	8.2	8.5	9.3	9.6	9.4	9.6	9.9	9.6	9.2	8.8	8.4
67.5°	8.2	8.5	9.4	9.6	9.6	9.8	9.9	9.7	9.3	8.9	8.5
65°	8.2	8.5	9.5	9.7	9.7	9.9	9.9	9.7	9.3	9.0	8.7
62.5°	8.2	8.5	9.6	9.7	9.8	9.9	9.9	9.8	9.4	9.1	9.3
60°	8.2	8.6	9.7	9.8	9.9	9.9	9.9	9.9	9.5	9.4	9.8
57.5°	8.2	8.6	9.7	9.8	9.9	9.9	9.9	9.9	9.6	9.7	9.9
55°	8.2	8.6	9.6	9.8	9.9	9.9	9.9	9.9	9.8	9.9	9.9
52.5°	8.2	8.6	9.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
50°	8.2	8.6	9.6	9.9	9.9	9.9	9.9	10.0	9.9	9.9	10.6
47.5°	8.2	8.6	9.6	9.9	9.9	9.9	9.9	10.1	9.9	9.9	11.3
45°	8.2	8.6	9.6	9.9	9.9	9.9	10.0	10.3	10.0	10.4	12.0
42.5°	8.2	8.6	9.6	9.9	9.9	9.9	10.2	10.4	10.1	10.8	12.6
40°	8.2	8.6	9.6	9.9	9.9	9.9	10.4	10.5	10.3	11.2	13.0
37.5°	8.2	8.6	9.6	9.9	9.9	9.9	10.6	10.6	10.8	11.8	13.3
35°	8.2	8.6	9.6	9.9	9.9	10.0	10.8	10.7	11.2	12.5	13.4
32.5°	8.2	8.6	9.7	9.9	9.9	10.2	11.0	10.8	11.7	13.2	14.5
30°	8.2	8.6	9.7	9.9	9.9	10.3	11.1	10.9	12.1	14.1	16.0
27.5°	8.2	8.5	9.7	9.9	9.9	10.5	11.2	11.3	12.6	15.1	17.8
25°	8.2	8.5	9.7	9.9	9.9	10.7	11.3	11.6	13.4	16.4	20.0
22.5°	8.2	8.5	9.7	9.9	9.9	10.9	11.4	12.0	14.2	18.0	24.4
20°	8.2	8.5	9.8	9.9	9.9	11.0	11.5	12.3	15.0	19.8	28.6
17.5°	8.2	8.4	9.8	9.9	9.9	11.1	11.6	12.6	15.8	21.7	32.7
15°	8.2	8.4	9.8	9.9	9.9	11.2	11.8	12.9	16.6	23.6	36.6
12.5°	8.2	8.4	9.8	9.9	9.9	11.3	12.0	13.3	18.0	25.6	40.3
10°	8.2	8.3	9.9	9.9	9.9	11.4	12.2	13.6	19.9	29.6	46.7
7.5°	8.2	8.3	9.9	9.9	9.9	11.4	12.5	13.9	22.0	33.8	59.8
5°	8.2	8.3	9.9	9.9	9.9	11.5	12.7	14.3	24.1	38.0	73.5
2.5°	8.2	8.2	9.9	9.9	9.9	11.5	13.0	14.5	26.1	42.1	87.2
0°	8.2	8.2	9.9	9.9	9.9	11.5	13.2	14.8	28.0	46.0	100.3
-2.5°	8.2	8.2	9.9	9.9	9.9	11.5	14.5	19.7	37.1	61.1	121.9
-5°	8.2	8.2	9.9	9.9	9.9	11.5	15.7	24.4	45.9	75.6	142.1
-7.5°	8.2	8.2	9.9	9.9	9.9	11.4	16.8	28.8	54.0	89.2	160.4
-10°	8.2	8.2	9.8	9.9	9.9	11.4	17.8	32.7	61.3	101.6	176.6
-12.5°	8.2	8.2	9.8	9.9	9.9	11.3	18.5	36.0	67.7	112.4	187.9
-15°	8.2	8.2	9.8	9.9	9.9	11.2	19.0	38.6	73.5	121.1	195.8
-17.5°	8.2	8.2	9.7	9.9	9.9	11.1	19.2	41.0	78.6	128.4	201.4
-20°	8.2	8.2	9.7	9.9	9.9	11.0	19.5	43.1	82.4	134.2	204.6



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	8.2	9.6	9.9	9.9	10.9	20.0	44.2	84.7	138.4	205.4
-25°	8.2	8.2	9.6	9.9	9.9	11.1	20.1	44.2	85.3	140.9	203.7
-27.5°	8.2	8.2	9.5	9.9	9.9	11.3	19.5	43.0	84.3	141.7	205.6
-30°	8.2	8.2	9.4	9.9	9.9	11.4	18.4	40.7	82.5	140.2	205.5
-32.5°	8.2	8.2	9.4	9.9	10.1	11.4	16.6	39.0	79.7	136.4	203.1
-35°	8.2	8.2	9.3	9.9	10.2	11.3	15.9	36.8	75.1	130.1	198.5
-37.5°	8.2	8.2	9.2	9.9	10.3	11.2	15.8	33.8	68.7	121.3	183.7
-40°	8.2	8.2	9.1	9.9	10.4	11.3	15.4	29.7	60.5	111.9	166.9
-42.5°	8.2	8.2	9.0	9.9	10.5	11.4	14.9	24.6	53.5	98.6	148.9
-45°	8.2	8.2	8.9	10.0	10.5	11.5	14.1	20.8	46.6	83.7	130.1
-47.5°	8.2	8.2	8.8	10.0	10.6	11.6	13.1	19.6	38.3	67.7	112.1
-50°	8.2	8.2	8.7	9.9	10.6	11.6	13.0	18.1	28.5	56.5	92.8
-52.5°	8.2	8.2	8.6	9.8	10.6	11.6	12.9	16.3	23.8	44.4	73.0
-55°	8.2	8.2	8.4	9.6	10.6	11.5	12.8	14.5	21.2	31.5	58.2
-57.5°	8.2	8.2	8.3	9.5	10.5	11.4	12.7	14.3	18.4	25.8	42.5
-60°	8.2	8.2	8.2	9.3	10.5	11.3	12.5	14.0	15.9	22.2	29.9
-62.5°	8.2	8.2	8.2	9.1	10.3	11.2	12.3	13.6	15.3	18.2	25.3
-65°	8.2	8.2	8.2	9.0	10.0	11.0	12.0	13.2	14.6	16.6	20.3
-67.5°	8.2	8.2	8.2	8.8	9.8	10.8	11.7	12.7	13.8	15.5	17.7
-70°	8.2	8.2	8.2	8.6	9.5	10.5	11.4	12.2	13.1	14.2	16.0
-72.5°	8.2	8.2	8.2	8.5	9.3	10.2	11.0	11.6	12.4	13.3	14.4
-75°	8.2	8.2	8.2	8.5	9.0	9.9	10.7	11.2	11.6	12.3	13.1
-77.5°	8.2	8.2	8.2	8.5	8.9	9.5	10.3	10.7	11.0	11.3	11.8
-80°	8.2	8.2	8.2	8.4	8.8	9.3	9.9	10.2	10.5	10.7	11.0
-82.5°	8.2	8.2	8.2	8.4	8.6	9.0	9.5	9.8	9.9	10.1	10.3
-85°	8.2	8.2	8.2	8.3	8.5	8.7	9.1	9.4	9.6	9.8	9.9
-87.5°	8.2	8.2	8.2	8.3	8.3	8.5	8.6	9.0	9.3	9.6	9.9
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.5	9.1	8.6	8.2	8.2	8.2	8.2	8.2	7.8	7.4	7.0
87.5°	7.8	7.4	7.0	6.6	6.6	6.6	6.6	6.6	6.2	5.8	5.3
85°	7.8	7.4	7.1	6.8	6.9	6.8	6.7	6.6	6.2	5.8	5.3
82.5°	8.0	7.8	7.7	7.8	7.6	7.4	7.0	6.6	6.2	5.8	5.4
80°	8.1	8.2	8.2	8.2	7.9	7.5	7.1	6.7	6.2	5.8	5.4
77.5°	8.2	8.2	8.2	8.2	7.9	7.5	7.1	6.7	6.3	5.9	5.4
75°	8.2	8.2	8.2	8.2	8.0	7.6	7.2	7.1	7.0	6.9	6.7
72.5°	8.2	8.2	8.2	8.2	8.1	7.9	7.9	8.1	8.4	8.5	8.4
70°	8.2	8.2	8.4	8.3	8.2	8.4	9.1	10.0	10.8	11.6	13.7
67.5°	8.3	8.7	8.8	8.7	8.9	9.7	10.7	15.1	20.5	23.0	24.3
65°	9.0	9.3	9.3	9.4	9.8	12.9	17.8	24.1	31.0	32.7	32.4
62.5°	9.8	9.7	9.7	10.7	13.2	17.6	24.2	31.5	39.2	37.7	32.6
60°	9.9	9.8	11.0	13.4	16.8	22.7	30.3	33.9	36.4	36.3	29.8
57.5°	9.9	10.7	13.0	16.4	21.4	26.3	28.0	30.1	31.8	32.8	25.8
55°	10.3	12.2	15.1	19.7	23.6	23.0	23.9	25.2	26.4	24.9	18.6
52.5°	11.4	13.6	17.5	21.6	22.4	20.6	19.4	20.4	19.5	16.9	14.0
50°	12.4	15.3	19.3	21.9	21.4	18.5	16.0	16.4	15.7	13.7	12.0
47.5°	13.5	16.7	20.7	22.3	20.0	18.2	16.0	15.4	14.6	15.2	14.4
45°	14.5	17.9	22.1	21.6	20.2	19.5	18.5	16.3	18.8	19.8	19.5
42.5°	15.2	18.7	22.0	21.3	22.4	23.0	22.6	23.5	25.1	27.3	28.3
40°	15.7	19.2	22.8	25.2	25.9	28.2	31.2	33.7	34.5	37.8	40.0
37.5°	15.9	21.0	26.2	32.5	31.7	36.4	41.5	50.3	53.0	49.8	56.0
35°	15.9	23.8	35.2	43.9	45.1	47.2	60.4	73.8	82.1	74.0	81.6
32.5°	17.6	27.5	46.7	58.9	67.8	70.0	83.1	110.8	125.1	127.1	127.9
30°	21.7	38.1	60.8	76.9	96.9	113.0	125.7	157.6	180.4	236.9	282.5
27.5°	27.0	51.0	77.8	103.7	133.7	163.6	193.8	219.0	292.7	398.9	517.3
25°	32.2	69.6	96.7	136.8	182.4	226.1	266.7	301.0	444.9	662.5	808.2
22.5°	42.4	91.5	123.9	173.6	236.1	293.6	343.7	434.4	635.6	957.9	1114.5
20°	58.9	114.7	157.4	217.9	296.2	363.3	421.9	573.7	867.4	1169.6	1363.9
17.5°	76.9	139.0	193.8	273.7	373.8	448.0	508.1	709.3	1092.2	1380.8	1578.8
15°	96.0	164.1	229.8	334.4	458.8	550.9	672.8	920.0	1290.6	1588.3	1831.1
12.5°	115.5	189.4	265.0	398.4	549.2	654.7	873.7	1232.3	1562.9	1822.4	2185.8
10°	135.0	214.6	299.0	463.9	642.7	758.6	1094.6	1540.8	1860.4	2127.3	2545.2
7.5°	173.2	250.0	335.6	529.1	736.9	861.5	1326.2	1841.0	2138.9	2410.6	2850.9
5°	214.3	295.7	392.6	610.3	830.3	954.3	1541.5	2127.3	2400.1	2673.7	3110.3
2.5°	254.1	339.6	447.6	689.1	918.0	1029.8	1670.2	2286.3	2569.6	2878.0	3330.9
0°	291.1	381.5	499.9	761.4	998.2	1100.2	1774.4	2420.7	2711.8	3048.9	3524.1
-2.5°	320.9	422.5	549.0	802.5	1026.0	1140.2	1795.8	2470.1	2785.3	3146.3	3616.8
-5°	345.8	460.6	594.2	836.4	1047.6	1175.5	1791.5	2487.7	2846.9	3220.2	3701.4
-7.5°	365.3	495.2	635.2	860.9	1058.9	1192.4	1786.2	2511.1	2914.5	3270.6	3769.8
-10°	376.1	509.4	644.0	857.5	1056.1	1196.1	1747.2	2497.0	2969.6	3307.1	3791.3
-12.5°	364.8	504.9	641.7	846.7	1048.7	1195.4	1662.3	2442.8	3013.6	3332.1	3750.8
-15°	351.6	497.5	633.0	828.3	1037.2	1190.3	1527.0	2346.7	2991.5	3240.9	3631.9
-17.5°	337.2	487.1	617.1	802.5	1022.2	1181.0	1328.8	2103.1	2765.5	3085.1	3503.3
-20°	322.3	474.0	593.6	769.2	1000.7	1135.6	1235.5	1795.1	2442.4	2892.9	3278.3



REPORT NUMBER: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	307.5	457.9	568.5	738.4	923.4	1060.5	1166.5	1480.8	2107.8	2655.1	2942.6
-25°	299.7	434.5	547.5	681.7	841.2	983.4	1086.6	1198.4	1758.1	2283.9	2645.8
-27.5°	296.0	413.4	516.5	625.1	763.1	901.9	1000.3	1105.7	1413.3	1910.2	2344.1
-30°	289.2	384.5	484.0	574.2	696.7	816.9	913.5	1022.2	1146.0	1547.3	1948.1
-32.5°	273.0	355.2	450.0	536.8	634.6	739.7	846.8	953.1	1059.1	1205.1	1572.4
-35°	254.0	330.7	416.1	498.5	576.3	677.2	784.1	888.8	978.7	1072.0	1275.3
-37.5°	238.7	304.3	382.6	460.5	534.0	620.3	718.8	820.5	912.3	996.6	1112.5
-40°	221.9	276.0	350.9	424.6	493.8	568.0	655.8	747.6	842.3	940.8	1031.4
-42.5°	203.4	255.6	318.1	389.3	454.1	522.4	592.7	677.5	770.7	874.7	968.7
-45°	182.3	233.9	285.2	350.6	412.9	475.8	541.6	608.7	700.2	793.6	892.0
-47.5°	160.0	210.4	259.7	312.0	371.3	428.7	488.9	557.5	629.4	714.7	801.6
-50°	137.1	184.7	232.7	280.1	330.7	382.7	435.9	505.3	573.6	640.4	714.9
-52.5°	114.1	158.0	203.7	249.3	294.3	341.1	391.9	453.1	517.5	580.1	642.1
-55°	89.7	130.6	173.4	216.6	259.6	302.1	351.5	405.7	461.6	521.3	578.8
-57.5°	69.1	101.8	141.2	182.4	223.0	264.5	313.0	359.7	410.4	463.2	514.8
-60°	50.3	75.5	107.1	145.2	184.9	225.5	273.4	319.7	363.1	405.3	453.7
-62.5°	33.2	52.8	76.7	105.4	141.4	182.2	225.0	270.7	319.8	358.3	396.2
-65°	27.2	33.6	49.9	72.3	96.2	130.9	169.9	212.2	254.8	293.0	333.5
-67.5°	21.1	27.1	32.8	41.3	61.9	84.9	109.4	144.3	181.4	213.6	246.2
-70°	18.4	21.1	25.9	30.9	35.7	45.2	65.4	86.9	108.1	128.7	155.3
-72.5°	16.3	18.6	21.2	23.9	28.1	32.5	37.1	42.1	54.1	69.9	84.7
-75°	14.5	16.1	18.2	20.5	22.6	24.8	27.3	31.2	35.1	38.7	42.3
-77.5°	12.9	14.2	15.6	17.2	18.6	20.3	22.0	23.9	25.7	27.6	29.7
-80°	11.5	12.3	13.3	14.5	15.2	16.0	17.0	18.2	19.2	20.3	21.5
-82.5°	10.7	11.1	11.6	12.2	12.3	12.2	12.1	12.5	13.2	13.9	14.6
-85°	9.9	9.9	10.1	10.4	10.5	10.6	10.6	10.6	10.4	10.4	10.3
-87.5°	9.7	9.5	9.3	9.2	9.2	9.3	9.3	9.4	9.0	8.7	8.3
-90°	7.8	7.4	7.0	6.6	6.6	6.6	6.6	6.6	6.2	5.8	5.3



REPORT NUMBER: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.6	6.6	6.6	6.6	6.6	7.0	7.4	7.8	8.2	9.5	10.7
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	2.9	2.5	2.0	1.6	1.6	1.6
82.5°	4.9	4.7	4.6	4.5	4.5	4.2	3.8	3.5	3.1	2.8	2.4
80°	5.0	4.9	4.9	4.9	4.9	4.5	4.1	3.7	3.3	2.9	2.5
77.5°	5.2	5.2	5.2	5.1	4.9	4.6	4.2	3.8	3.4	2.9	2.5
75°	6.6	6.4	6.1	5.6	5.1	4.6	4.2	3.8	3.4	3.2	3.2
72.5°	8.1	7.6	7.3	7.7	7.6	7.4	7.2	6.8	6.1	6.0	6.2
70°	15.0	15.7	15.8	15.1	13.5	12.0	10.9	9.7	8.3	7.9	8.0
67.5°	24.0	22.8	21.4	19.6	16.7	14.3	12.7	11.3	10.0	9.5	9.7
65°	29.8	24.7	21.3	18.5	16.2	14.3	12.7	11.1	9.5	8.6	8.5
62.5°	27.3	21.4	17.7	15.5	13.9	12.7	10.7	9.1	7.8	7.2	7.4
60°	23.5	17.2	13.3	11.5	9.9	8.3	7.6	7.1	6.8	6.6	6.7
57.5°	18.6	13.1	9.8	9.1	8.2	7.1	6.8	6.9	6.8	6.6	6.6
55°	13.7	11.2	9.9	9.4	9.0	8.5	8.1	8.0	7.8	7.6	7.8
52.5°	11.1	11.1	11.2	11.1	10.7	10.2	9.8	9.8	9.9	10.2	10.6
50°	12.3	12.6	12.9	12.8	12.4	11.9	11.4	11.9	12.7	13.3	13.8
47.5°	14.3	14.8	15.7	14.6	14.7	15.7	15.1	15.3	17.7	19.2	20.2
45°	18.1	21.0	21.7	22.4	22.6	24.3	25.0	25.6	30.3	32.3	32.4
42.5°	28.9	31.6	33.8	36.0	35.6	41.0	48.2	52.2	52.0	51.1	52.0
40°	43.7	46.6	53.3	58.4	66.2	73.1	73.6	66.8	67.6	75.4	76.1
37.5°	65.5	74.7	88.0	102.7	106.6	102.1	104.8	109.7	114.9	122.1	130.5
35°	104.4	135.1	141.1	152.5	159.9	152.6	155.4	168.5	168.6	191.9	204.7
32.5°	185.3	232.3	246.7	236.5	256.3	268.2	231.6	277.6	286.5	310.3	339.6
30°	302.2	399.9	430.2	416.1	469.5	486.3	454.0	546.7	601.2	600.1	737.7
27.5°	574.1	623.0	679.8	766.4	777.6	806.5	989.3	1130.8	1310.3	1480.1	1700.4
25°	878.4	906.1	1068.8	1175.9	1228.8	1422.1	1693.0	1914.1	2295.0	2650.6	3390.7
22.5°	1158.7	1262.2	1460.6	1632.2	1824.9	2136.1	2509.8	2919.9	3932.2	5177.5	6740.1
20°	1433.7	1569.9	1807.0	2115.5	2423.2	2846.5	3343.3	4642.6	6633.0	9649.7	12910.0
17.5°	1744.1	1875.2	2198.3	2634.0	3102.1	3736.5	5260.5	7743.1	11970.0	17871.4	23564.7
15°	2147.1	2372.7	2730.3	3373.9	4269.8	5765.1	8249.4	14373.0	22811.8	31989.2	41828.4
12.5°	2618.6	2990.4	3572.5	4404.3	5694.3	9226.9	15470.2	25303.3	37913.9	50803.4	66974.7
10°	3075.1	3697.0	4587.7	5898.4	8464.7	14032.4	23333.8	37525.2	56847.3	76776.3	94635.7
7.5°	3475.9	4298.9	5497.4	7334.3	11408.6	19455.3	32836.2	52611.4	76695.1	101322.2	125337.6
5°	3885.3	4863.9	6260.6	8409.8	13203.9	23380.7	40556.1	66422.5	95520.2	125348.1	156692.8
2.5°	4221.4	5338.2	6897.8	9301.3	14264.8	25490.3	45343.4	76041.9	109661.8	143810.4	182813.3
0°	4423.7	5632.4	7212.7	9329.2	15098.1	27152.2	46525.9	79446.9	115632.3	153177.6	193998.8
-2.5°	4430.0	5571.1	7059.2	9240.7	14919.7	26697.8	46608.4	79362.0	115311.2	151470.8	191754.7
-5°	4416.2	5431.4	6829.0	8923.3	13852.4	24327.7	43032.7	74220.2	109628.7	143849.2	180540.8
-7.5°	4395.0	5246.8	6501.9	8415.7	12486.5	21467.0	38914.3	67464.1	100871.9	132746.6	165591.9
-10°	4370.6	5055.7	6200.9	7980.3	11249.1	18064.3	31304.0	57304.2	87950.8	117364.2	144298.2
-12.5°	4349.7	4977.2	5958.5	7380.4	9745.0	15137.3	26428.7	46830.4	71648.1	96484.4	120343.7
-15°	4269.4	4873.3	5760.6	6934.9	8851.9	12623.1	19729.3	33831.5	54210.2	73829.6	92769.5
-17.5°	4105.0	4725.4	5283.6	6197.7	7580.5	10039.7	14695.6	23193.2	36278.0	51614.3	64976.2
-20°	3783.0	4208.1	4671.3	5447.7	6511.9	7806.6	9929.9	14771.9	20993.4	30997.0	38002.8



REPORT NUMBER: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3304.8	3662.4	4052.1	4569.3	5317.7	6231.4	7364.4	9154.5	12400.9	16256.5	20517.9
-25°	2868.6	3125.6	3486.7	3931.1	4331.6	4927.7	5721.7	6416.2	7818.4	8952.7	11296.4
-27.5°	2538.0	2751.6	3078.7	3423.4	3719.0	4038.4	4590.9	5081.8	5764.0	6359.6	7312.4
-30°	2298.9	2517.8	2780.7	3042.0	3322.8	3593.5	3840.8	4213.0	4622.2	5010.7	5514.8
-32.5°	2003.8	2349.2	2539.5	2760.4	3010.3	3247.1	3435.7	3671.0	3896.3	4153.7	4430.1
-35°	1695.5	2072.9	2365.0	2534.8	2720.3	2946.5	3139.7	3300.7	3449.9	3609.8	3755.8
-37.5°	1332.4	1749.4	2082.2	2333.4	2502.8	2660.8	2868.0	3022.8	3121.4	3253.9	3353.8
-40°	1145.2	1312.2	1690.4	2031.8	2250.1	2498.8	2691.7	2855.6	3036.3	3177.3	3258.7
-42.5°	1053.9	1150.7	1251.3	1530.3	1871.9	2170.6	2419.2	2688.7	2930.5	3122.8	3301.6
-45°	983.4	1052.1	1123.8	1216.3	1312.0	1591.4	1898.0	2213.1	2495.3	2759.1	2985.3
-47.5°	889.2	969.7	1035.1	1093.6	1152.4	1238.2	1330.0	1457.8	1729.1	2004.1	2266.3
-50°	792.3	866.4	938.6	1006.5	1061.6	1104.8	1139.5	1195.9	1277.6	1359.0	1438.9
-52.5°	701.1	769.8	835.3	901.0	965.5	1022.6	1073.3	1113.2	1146.0	1173.9	1192.9
-55°	635.7	689.9	740.8	803.6	865.4	923.0	976.2	1025.2	1069.8	1110.4	1138.4
-57.5°	567.9	620.9	673.6	726.4	777.6	827.1	876.8	925.2	970.6	1012.0	1039.7
-60°	500.7	546.0	598.3	652.8	703.8	751.5	797.7	841.1	881.6	916.4	938.8
-62.5°	437.2	480.0	525.2	574.2	625.9	676.3	722.6	766.5	808.1	841.9	863.5
-65°	373.0	409.1	447.7	488.2	530.1	573.0	617.1	662.0	707.2	743.5	767.3
-67.5°	280.2	316.3	354.3	393.8	429.5	462.3	494.0	526.8	559.9	587.4	609.0
-70°	182.2	209.2	235.6	262.7	292.3	322.4	351.1	378.1	403.0	423.0	439.2
-72.5°	98.5	111.5	126.1	146.8	166.6	186.6	206.3	225.0	242.3	255.4	265.6
-75°	45.7	51.6	62.7	73.0	82.4	92.1	101.5	110.1	117.9	123.5	127.7
-77.5°	32.4	35.1	37.7	40.4	43.1	46.7	50.6	54.5	58.2	61.8	65.3
-80°	22.8	24.3	25.8	27.2	28.5	30.6	32.8	35.1	37.3	39.6	41.7
-82.5°	15.2	16.2	17.2	18.1	19.1	20.3	21.5	22.7	23.8	25.6	27.5
-85°	10.3	10.7	11.2	11.7	12.2	13.2	14.2	15.1	16.0	17.4	18.7
-87.5°	7.9	7.9	8.0	8.0	8.1	8.9	9.7	10.5	11.4	12.6	13.9
-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: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	12.0	13.2	14.0	14.8	14.0	13.2	12.0	10.7	9.5	8.2	7.8
87.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	2.0
85°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	2.0
82.5°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.1	3.5
80°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.5	2.9	3.3	3.7
77.5°	2.1	1.6	1.6	1.6	1.6	1.6	2.1	2.5	2.9	3.4	3.8
75°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.4	3.8
72.5°	6.4	6.5	6.6	6.6	6.6	6.5	6.4	6.2	6.0	6.1	6.8
70°	8.1	8.1	8.2	8.2	8.2	8.1	8.1	8.0	7.9	8.3	9.7
67.5°	9.8	9.8	9.9	9.9	9.9	9.8	9.8	9.7	9.5	10.0	11.3
65°	8.4	8.3	8.2	8.2	8.2	8.3	8.4	8.5	8.6	9.5	11.1
62.5°	7.7	8.1	8.2	8.2	8.2	8.1	7.7	7.4	7.2	7.8	9.1
60°	6.7	6.7	6.6	6.6	6.6	6.7	6.7	6.7	6.6	6.8	7.1
57.5°	6.6	6.6	7.2	8.2	7.2	6.6	6.6	6.6	6.6	6.8	6.9
55°	8.0	8.1	8.8	9.9	8.8	8.1	8.0	7.8	7.6	7.8	8.0
52.5°	11.0	11.3	11.5	11.5	11.5	11.3	11.0	10.6	10.2	9.9	9.8
50°	14.3	14.6	14.7	14.8	14.7	14.6	14.3	13.8	13.3	12.7	11.9
47.5°	20.9	21.1	21.3	21.4	21.3	21.1	20.9	20.2	19.2	17.7	15.3
45°	33.6	34.0	34.2	34.5	34.2	34.0	33.6	32.4	32.3	30.3	25.6
42.5°	54.1	55.0	55.0	54.3	55.0	55.0	54.1	52.0	51.1	52.0	52.2
40°	77.2	77.2	76.4	75.6	76.4	77.2	77.2	76.1	75.4	67.6	66.8
37.5°	134.4	129.5	120.9	116.8	120.9	129.5	134.4	130.5	122.1	114.9	109.7
35°	208.0	211.1	211.9	210.5	211.9	211.1	208.0	204.7	191.9	168.6	168.5
32.5°	347.8	364.4	369.8	379.9	369.8	364.4	347.8	339.6	310.3	286.5	277.6
30°	716.0	711.0	648.6	621.6	648.6	711.0	716.0	737.7	600.1	601.2	546.7
27.5°	1928.8	2150.8	2256.7	2248.0	2256.7	2150.8	1928.8	1700.4	1480.1	1310.3	1130.8
25°	3972.3	4329.2	4565.9	4410.5	4565.9	4329.2	3972.3	3390.7	2650.6	2295.0	1914.1
22.5°	8195.5	8973.5	9397.4	9549.5	9397.4	8973.5	8195.5	6740.1	5177.5	3932.2	2919.9
20°	16423.6	17892.6	18965.4	18069.6	18965.4	17892.6	16423.6	12910.0	9649.7	6633.0	4642.6
17.5°	30490.5	35060.0	39102.3	40365.6	39102.3	35060.0	30490.5	23564.7	17871.4	11970.0	7743.1
15°	51314.1	59031.1	63618.0	63350.7	63618.0	59031.1	51314.1	41828.4	31989.2	22811.8	14373.0
12.5°	78952.6	88475.7	94829.9	93416.9	94829.9	88475.7	78952.6	66974.7	50803.4	37913.9	25303.3
10°	112162.4	126586.9	137067.4	136584.7	137067.4	126586.9	112162.4	94635.7	76776.3	56847.3	37525.2
7.5°	146593.5	170273.4	190826.4	194284.9	190826.4	170273.4	146593.5	125337.6	101322.2	76695.1	52611.4
5°	190995.4	222206.2	242617.3	243784.0	242617.3	222206.2	190995.4	156692.8	125348.1	95520.2	66422.5
2.5°	227012.6	262816.7	280042.1	290478.5	280042.1	262816.7	227012.6	182813.3	143810.4	109661.8	76041.9
0°	243886.8	272993.5	304486.2	319407.5	304486.2	272993.5	243886.8	193998.8	153177.6	115632.3	79446.9
-2.5°	236964.0	268153.9	287049.8	302864.0	287049.8	268153.9	236964.0	191754.7	151470.8	115311.2	79362.0
-5°	221263.8	252167.8	268020.0	269498.9	268020.0	252167.8	221263.8	180540.8	143849.2	109628.7	74220.2
-7.5°	195632.5	221837.5	238480.7	243659.1	238480.7	221837.5	195632.5	165591.9	132746.6	100871.9	67464.1
-10°	168393.2	187238.9	197994.9	200057.1	197994.9	187238.9	168393.2	144298.2	117364.2	87950.8	57304.2
-12.5°	140073.8	155502.6	162924.5	164546.0	162924.5	155502.6	140073.8	120343.7	96484.4	71648.1	46830.4
-15°	108703.0	120312.9	126995.5	128158.3	126995.5	120312.9	108703.0	92769.5	73829.6	54210.2	33831.5
-17.5°	77590.1	87024.1	93793.5	94693.0	93793.5	87024.1	77590.1	64976.2	51614.3	36278.0	23193.2
-20°	47663.4	54082.3	58042.5	57461.7	58042.5	54082.3	47663.4	38002.8	30997.0	20993.4	14771.9



REPORT NUMBER: P731483 (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°	25661.3	29121.4	30795.0	31659.7	30795.0	29121.4	25661.3	20517.9	16256.5	12400.9	9154.5
-25°	13564.5	15029.9	15781.8	16370.9	15781.8	15029.9	13564.5	11296.4	8952.7	7818.4	6416.2
-27.5°	8071.0	8575.0	8854.8	9008.5	8854.8	8575.0	8071.0	7312.4	6359.6	5764.0	5081.8
-30°	5916.9	6158.3	6285.9	6349.4	6285.9	6158.3	5916.9	5514.8	5010.7	4622.2	4213.0
-32.5°	4652.0	4795.3	4883.4	4915.4	4883.4	4795.3	4652.0	4430.1	4153.7	3896.3	3671.0
-35°	3859.0	3907.0	3924.2	3955.0	3924.2	3907.0	3859.0	3755.8	3609.8	3449.9	3300.7
-37.5°	3429.8	3474.5	3496.2	3514.3	3496.2	3474.5	3429.8	3353.8	3253.9	3121.4	3022.8
-40°	3296.3	3343.6	3392.1	3427.1	3392.1	3343.6	3296.3	3258.7	3177.3	3036.3	2855.6
-42.5°	3379.7	3457.1	3510.2	3517.6	3510.2	3457.1	3379.7	3301.6	3122.8	2930.5	2688.7
-45°	3113.8	3201.9	3250.0	3266.0	3250.0	3201.9	3113.8	2985.3	2759.1	2495.3	2213.1
-47.5°	2498.7	2700.0	2820.2	2846.6	2820.2	2700.0	2498.7	2266.3	2004.1	1729.1	1457.8
-50°	1516.5	1588.2	1627.7	1633.0	1627.7	1588.2	1516.5	1438.9	1359.0	1277.6	1195.9
-52.5°	1207.9	1220.7	1228.7	1233.4	1228.7	1220.7	1207.9	1192.9	1173.9	1146.0	1113.2
-55°	1162.9	1184.4	1196.5	1202.1	1196.5	1184.4	1162.9	1138.4	1110.4	1069.8	1025.2
-57.5°	1064.5	1086.3	1096.0	1098.5	1096.0	1086.3	1064.5	1039.7	1012.0	970.6	925.2
-60°	959.2	977.6	983.4	983.4	983.4	977.6	959.2	938.8	916.4	881.6	841.1
-62.5°	884.2	903.4	912.8	917.6	912.8	903.4	884.2	863.5	841.9	808.1	766.5
-65°	788.1	805.7	813.1	815.7	813.1	805.7	788.1	767.3	743.5	707.2	662.0
-67.5°	628.3	645.0	649.7	649.6	649.7	645.0	628.3	609.0	587.4	559.9	526.8
-70°	452.9	463.9	465.8	463.7	465.8	463.9	452.9	439.2	423.0	403.0	378.1
-72.5°	273.9	280.3	282.7	282.9	282.7	280.3	273.9	265.6	255.4	242.3	225.0
-75°	131.0	133.3	135.3	136.5	135.3	133.3	131.0	127.7	123.5	117.9	110.1
-77.5°	68.6	71.8	73.0	74.0	73.0	71.8	68.6	65.3	61.8	58.2	54.5
-80°	43.8	45.7	45.9	46.0	45.9	45.7	43.8	41.7	39.6	37.3	35.1
-82.5°	29.3	31.1	31.2	31.2	31.2	31.1	29.3	27.5	25.6	23.8	22.7
-85°	20.1	21.4	22.2	23.0	22.2	21.4	20.1	18.7	17.4	16.0	15.1
-87.5°	15.1	16.4	16.4	16.4	16.4	16.4	15.1	13.9	12.6	11.4	10.5
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	2.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.4	7.0	6.6	6.6	6.6	6.6	6.6	7.0	7.4	7.8	8.2
87.5°	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.3	5.8	6.2	6.6
85°	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.3	5.8	6.2	6.6
82.5°	3.8	4.2	4.5	4.5	4.6	4.7	4.9	5.4	5.8	6.2	6.6
80°	4.1	4.5	4.9	4.9	4.9	4.9	5.0	5.4	5.8	6.2	6.7
77.5°	4.2	4.6	4.9	5.1	5.2	5.2	5.2	5.4	5.9	6.3	6.7
75°	4.2	4.6	5.1	5.6	6.1	6.4	6.6	6.7	6.9	7.0	7.1
72.5°	7.2	7.4	7.6	7.7	7.3	7.6	8.1	8.4	8.5	8.4	8.1
70°	10.9	12.0	13.5	15.1	15.8	15.7	15.0	13.7	11.6	10.8	10.0
67.5°	12.7	14.3	16.7	19.6	21.4	22.8	24.0	24.3	23.0	20.5	15.1
65°	12.7	14.3	16.2	18.5	21.3	24.7	29.8	32.4	32.7	31.0	24.1
62.5°	10.7	12.7	13.9	15.5	17.7	21.4	27.3	32.6	37.7	39.2	31.5
60°	7.6	8.3	9.9	11.5	13.3	17.2	23.5	29.8	36.3	36.4	33.9
57.5°	6.8	7.1	8.2	9.1	9.8	13.1	18.6	25.8	32.8	31.8	30.1
55°	8.1	8.5	9.0	9.4	9.9	11.2	13.7	18.6	24.9	26.4	25.2
52.5°	9.8	10.2	10.7	11.1	11.2	11.1	11.1	14.0	16.9	19.5	20.4
50°	11.4	11.9	12.4	12.8	12.9	12.6	12.3	12.0	13.7	15.7	16.4
47.5°	15.1	15.7	14.7	14.6	15.7	14.8	14.3	14.4	15.2	14.6	15.4
45°	25.0	24.3	22.6	22.4	21.7	21.0	18.1	19.5	19.8	18.8	16.3
42.5°	48.2	41.0	35.6	36.0	33.8	31.6	28.9	28.3	27.3	25.1	23.5
40°	73.6	73.1	66.2	58.4	53.3	46.6	43.7	40.0	37.8	34.5	33.7
37.5°	104.8	102.1	106.6	102.7	88.0	74.7	65.5	56.0	49.8	53.0	50.3
35°	155.4	152.6	159.9	152.5	141.1	135.1	104.4	81.6	74.0	82.1	73.8
32.5°	231.6	268.2	256.3	236.5	246.7	232.3	185.3	127.9	127.1	125.1	110.8
30°	454.0	486.3	469.5	416.1	430.2	399.9	302.2	282.5	236.9	180.4	157.6
27.5°	989.3	806.5	777.6	766.4	679.8	623.0	574.1	517.3	398.9	292.7	219.0
25°	1693.0	1422.1	1228.8	1175.9	1068.8	906.1	878.4	808.2	662.5	444.9	301.0
22.5°	2509.8	2136.1	1824.9	1632.2	1460.6	1262.2	1158.7	1114.5	957.9	635.6	434.4
20°	3343.3	2846.5	2423.2	2115.5	1807.0	1569.9	1433.7	1363.9	1169.6	867.4	573.7
17.5°	5260.5	3736.5	3102.1	2634.0	2198.3	1875.2	1744.1	1578.8	1380.8	1092.2	709.3
15°	8249.4	5765.1	4269.8	3373.9	2730.3	2372.7	2147.1	1831.1	1588.3	1290.6	920.0
12.5°	15470.2	9226.9	5694.3	4404.3	3572.5	2990.4	2618.6	2185.8	1822.4	1562.9	1232.3
10°	23333.8	14032.4	8464.7	5898.4	4587.7	3697.0	3075.1	2545.2	2127.3	1860.4	1540.8
7.5°	32836.2	19455.3	11408.6	7334.3	5497.4	4298.9	3475.9	2850.9	2410.6	2138.9	1841.0
5°	40556.1	23380.7	13203.9	8409.8	6260.6	4863.9	3885.3	3110.3	2673.7	2400.1	2127.3
2.5°	45343.4	25490.3	14264.8	9301.3	6897.8	5338.2	4221.4	3330.9	2878.0	2569.6	2286.3
0°	46525.9	27152.2	15098.1	9329.2	7212.7	5632.4	4423.7	3524.1	3048.9	2711.8	2420.7
-2.5°	46608.4	26697.8	14919.7	9240.7	7059.2	5571.1	4430.0	3616.8	3146.3	2785.3	2470.1
-5°	43032.7	24327.7	13852.4	8923.3	6829.0	5431.4	4416.2	3701.4	3220.2	2846.9	2487.7
-7.5°	38914.3	21467.0	12486.5	8415.7	6501.9	5246.8	4395.0	3769.8	3270.6	2914.5	2511.1
-10°	31304.0	18064.3	11249.1	7980.3	6200.9	5055.7	4370.6	3791.3	3307.1	2969.6	2497.0
-12.5°	26428.7	15137.3	9745.0	7380.4	5958.5	4977.2	4349.7	3750.8	3332.1	3013.6	2442.8
-15°	19729.3	12623.1	8851.9	6934.9	5760.6	4873.3	4269.4	3631.9	3240.9	2991.5	2346.7
-17.5°	14695.6	10039.7	7580.5	6197.7	5283.6	4725.4	4105.0	3503.3	3085.1	2765.5	2103.1
-20°	9929.9	7806.6	6511.9	5447.7	4671.3	4208.1	3783.0	3278.3	2892.9	2442.4	1795.1



REPORT NUMBER: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7364.4	6231.4	5317.7	4569.3	4052.1	3662.4	3304.8	2942.6	2655.1	2107.8	1480.8
-25°	5721.7	4927.7	4331.6	3931.1	3486.7	3125.6	2868.6	2645.8	2283.9	1758.1	1198.4
-27.5°	4590.9	4038.4	3719.0	3423.4	3078.7	2751.6	2538.0	2344.1	1910.2	1413.3	1105.7
-30°	3840.8	3593.5	3322.8	3042.0	2780.7	2517.8	2298.9	1948.1	1547.3	1146.0	1022.2
-32.5°	3435.7	3247.1	3010.3	2760.4	2539.5	2349.2	2003.8	1572.4	1205.1	1059.1	953.1
-35°	3139.7	2946.5	2720.3	2534.8	2365.0	2072.9	1695.5	1275.3	1072.0	978.7	888.8
-37.5°	2868.0	2660.8	2502.8	2333.4	2082.2	1749.4	1332.4	1112.5	996.6	912.3	820.5
-40°	2691.7	2498.8	2250.1	2031.8	1690.4	1312.2	1145.2	1031.4	940.8	842.3	747.6
-42.5°	2419.2	2170.6	1871.9	1530.3	1251.3	1150.7	1053.9	968.7	874.7	770.7	677.5
-45°	1898.0	1591.4	1312.0	1216.3	1123.8	1052.1	983.4	892.0	793.6	700.2	608.7
-47.5°	1330.0	1238.2	1152.4	1093.6	1035.1	969.7	889.2	801.6	714.7	629.4	557.5
-50°	1139.5	1104.8	1061.6	1006.5	938.6	866.4	792.3	714.9	640.4	573.6	505.3
-52.5°	1073.3	1022.6	965.5	901.0	835.3	769.8	701.1	642.1	580.1	517.5	453.1
-55°	976.2	923.0	865.4	803.6	740.8	689.9	635.7	578.8	521.3	461.6	405.7
-57.5°	876.8	827.1	777.6	726.4	673.6	620.9	567.9	514.8	463.2	410.4	359.7
-60°	797.7	751.5	703.8	652.8	598.3	546.0	500.7	453.7	405.3	363.1	319.7
-62.5°	722.6	676.3	625.9	574.2	525.2	480.0	437.2	396.2	358.3	319.8	270.7
-65°	617.1	573.0	530.1	488.2	447.7	409.1	373.0	333.5	293.0	254.8	212.2
-67.5°	494.0	462.3	429.5	393.8	354.3	316.3	280.2	246.2	213.6	181.4	144.3
-70°	351.1	322.4	292.3	262.7	235.6	209.2	182.2	155.3	128.7	108.1	86.9
-72.5°	206.3	186.6	166.6	146.8	126.1	111.5	98.5	84.7	69.9	54.1	42.1
-75°	101.5	92.1	82.4	73.0	62.7	51.6	45.7	42.3	38.7	35.1	31.2
-77.5°	50.6	46.7	43.1	40.4	37.7	35.1	32.4	29.7	27.6	25.7	23.9
-80°	32.8	30.6	28.5	27.2	25.8	24.3	22.8	21.5	20.3	19.2	18.2
-82.5°	21.5	20.3	19.1	18.1	17.2	16.2	15.2	14.6	13.9	13.2	12.5
-85°	14.2	13.2	12.2	11.7	11.2	10.7	10.3	10.3	10.4	10.4	10.6
-87.5°	9.7	8.9	8.1	8.0	8.0	7.9	7.9	8.3	8.7	9.0	9.4
-90°	2.5	2.9	3.3	3.7	4.1	4.5	4.9	5.3	5.8	6.2	6.6



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 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.2	8.2	8.2	8.2	8.6	9.1	9.5	9.9	9.5	9.1	8.6
87.5°	6.6	6.6	6.6	6.6	7.0	7.4	7.8	8.2	8.2	8.2	8.2
85°	6.7	6.8	6.9	6.8	7.1	7.4	7.8	8.2	8.2	8.2	8.2
82.5°	7.0	7.4	7.6	7.8	7.7	7.8	8.0	8.2	8.3	8.2	8.2
80°	7.1	7.5	7.9	8.2	8.2	8.2	8.1	8.2	8.5	8.5	8.5
77.5°	7.1	7.5	7.9	8.2	8.2	8.2	8.2	8.3	8.7	8.8	8.9
75°	7.2	7.6	8.0	8.2	8.2	8.2	8.2	8.3	8.7	9.2	9.3
72.5°	7.9	7.9	8.1	8.2	8.2	8.2	8.2	8.4	8.8	9.2	9.6
70°	9.1	8.4	8.2	8.3	8.4	8.2	8.2	8.4	8.8	9.2	9.6
67.5°	10.7	9.7	8.9	8.7	8.8	8.7	8.3	8.5	8.9	9.3	9.7
65°	17.8	12.9	9.8	9.4	9.3	9.3	9.0	8.7	9.0	9.3	9.7
62.5°	24.2	17.6	13.2	10.7	9.7	9.7	9.8	9.3	9.1	9.4	9.8
60°	30.3	22.7	16.8	13.4	11.0	9.8	9.9	9.8	9.4	9.5	9.9
57.5°	28.0	26.3	21.4	16.4	13.0	10.7	9.9	9.9	9.7	9.6	9.9
55°	23.9	23.0	23.6	19.7	15.1	12.2	10.3	9.9	9.9	9.8	9.9
52.5°	19.4	20.6	22.4	21.6	17.5	13.6	11.4	9.9	9.9	9.9	9.9
50°	16.0	18.5	21.4	21.9	19.3	15.3	12.4	10.6	9.9	9.9	10.0
47.5°	16.0	18.2	20.0	22.3	20.7	16.7	13.5	11.3	9.9	9.9	10.1
45°	18.5	19.5	20.2	21.6	22.1	17.9	14.5	12.0	10.4	10.0	10.3
42.5°	22.6	23.0	22.4	21.3	22.0	18.7	15.2	12.6	10.8	10.1	10.4
40°	31.2	28.2	25.9	25.2	22.8	19.2	15.7	13.0	11.2	10.3	10.5
37.5°	41.5	36.4	31.7	32.5	26.2	21.0	15.9	13.3	11.8	10.8	10.6
35°	60.4	47.2	45.1	43.9	35.2	23.8	15.9	13.4	12.5	11.2	10.7
32.5°	83.1	70.0	67.8	58.9	46.7	27.5	17.6	14.5	13.2	11.7	10.8
30°	125.7	113.0	96.9	76.9	60.8	38.1	21.7	16.0	14.1	12.1	10.9
27.5°	193.8	163.6	133.7	103.7	77.8	51.0	27.0	17.8	15.1	12.6	11.3
25°	266.7	226.1	182.4	136.8	96.7	69.6	32.2	20.0	16.4	13.4	11.6
22.5°	343.7	293.6	236.1	173.6	123.9	91.5	42.4	24.4	18.0	14.2	12.0
20°	421.9	363.3	296.2	217.9	157.4	114.7	58.9	28.6	19.8	15.0	12.3
17.5°	508.1	448.0	373.8	273.7	193.8	139.0	76.9	32.7	21.7	15.8	12.6
15°	672.8	550.9	458.8	334.4	229.8	164.1	96.0	36.6	23.6	16.6	12.9
12.5°	873.7	654.7	549.2	398.4	265.0	189.4	115.5	40.3	25.6	18.0	13.3
10°	1094.6	758.6	642.7	463.9	299.0	214.6	135.0	46.7	29.6	19.9	13.6
7.5°	1326.2	861.5	736.9	529.1	335.6	250.0	173.2	59.8	33.8	22.0	13.9
5°	1541.5	954.3	830.3	610.3	392.6	295.7	214.3	73.5	38.0	24.1	14.3
2.5°	1670.2	1029.8	918.0	689.1	447.6	339.6	254.1	87.2	42.1	26.1	14.5
0°	1774.4	1100.2	998.2	761.4	499.9	381.5	291.1	100.3	46.0	28.0	14.8
-2.5°	1795.8	1140.2	1026.0	802.5	549.0	422.5	320.9	121.9	61.1	37.1	19.7
-5°	1791.5	1175.5	1047.6	836.4	594.2	460.6	345.8	142.1	75.6	45.9	24.4
-7.5°	1786.2	1192.4	1058.9	860.9	635.2	495.2	365.3	160.4	89.2	54.0	28.8
-10°	1747.2	1196.1	1056.1	857.5	644.0	509.4	376.1	176.6	101.6	61.3	32.7
-12.5°	1662.3	1195.4	1048.7	846.7	641.7	504.9	364.8	187.9	112.4	67.7	36.0
-15°	1527.0	1190.3	1037.2	828.3	633.0	497.5	351.6	195.8	121.1	73.5	38.6
-17.5°	1328.8	1181.0	1022.2	802.5	617.1	487.1	337.2	201.4	128.4	78.6	41.0
-20°	1235.5	1135.6	1000.7	769.2	593.6	474.0	322.3	204.6	134.2	82.4	43.1



REPORT NUMBER: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1166.5	1060.5	923.4	738.4	568.5	457.9	307.5	205.4	138.4	84.7	44.2
-25°	1086.6	983.4	841.2	681.7	547.5	434.5	299.7	203.7	140.9	85.3	44.2
-27.5°	1000.3	901.9	763.1	625.1	516.5	413.4	296.0	205.6	141.7	84.3	43.0
-30°	913.5	816.9	696.7	574.2	484.0	384.5	289.2	205.5	140.2	82.5	40.7
-32.5°	846.8	739.7	634.6	536.8	450.0	355.2	273.0	203.1	136.4	79.7	39.0
-35°	784.1	677.2	576.3	498.5	416.1	330.7	254.0	198.5	130.1	75.1	36.8
-37.5°	718.8	620.3	534.0	460.5	382.6	304.3	238.7	183.7	121.3	68.7	33.8
-40°	655.8	568.0	493.8	424.6	350.9	276.0	221.9	166.9	111.9	60.5	29.7
-42.5°	592.7	522.4	454.1	389.3	318.1	255.6	203.4	148.9	98.6	53.5	24.6
-45°	541.6	475.8	412.9	350.6	285.2	233.9	182.3	130.1	83.7	46.6	20.8
-47.5°	488.9	428.7	371.3	312.0	259.7	210.4	160.0	112.1	67.7	38.3	19.6
-50°	435.9	382.7	330.7	280.1	232.7	184.7	137.1	92.8	56.5	28.5	18.1
-52.5°	391.9	341.1	294.3	249.3	203.7	158.0	114.1	73.0	44.4	23.8	16.3
-55°	351.5	302.1	259.6	216.6	173.4	130.6	89.7	58.2	31.5	21.2	14.5
-57.5°	313.0	264.5	223.0	182.4	141.2	101.8	69.1	42.5	25.8	18.4	14.3
-60°	273.4	225.5	184.9	145.2	107.1	75.5	50.3	29.9	22.2	15.9	14.0
-62.5°	225.0	182.2	141.4	105.4	76.7	52.8	33.2	25.3	18.2	15.3	13.6
-65°	169.9	130.9	96.2	72.3	49.9	33.6	27.2	20.3	16.6	14.6	13.2
-67.5°	109.4	84.9	61.9	41.3	32.8	27.1	21.1	17.7	15.5	13.8	12.7
-70°	65.4	45.2	35.7	30.9	25.9	21.1	18.4	16.0	14.2	13.1	12.2
-72.5°	37.1	32.5	28.1	23.9	21.2	18.6	16.3	14.4	13.3	12.4	11.6
-75°	27.3	24.8	22.6	20.5	18.2	16.1	14.5	13.1	12.3	11.6	11.2
-77.5°	22.0	20.3	18.6	17.2	15.6	14.2	12.9	11.8	11.3	11.0	10.7
-80°	17.0	16.0	15.2	14.5	13.3	12.3	11.5	11.0	10.7	10.5	10.2
-82.5°	12.1	12.2	12.3	12.2	11.6	11.1	10.7	10.3	10.1	9.9	9.8
-85°	10.6	10.6	10.5	10.4	10.1	9.9	9.9	9.9	9.8	9.6	9.4
-87.5°	9.3	9.3	9.2	9.2	9.3	9.5	9.7	9.9	9.6	9.3	9.0
-90°	6.6	6.6	6.6	6.6	7.0	7.4	7.8	8.2	8.2	8.2	8.2



REPORT NUMBER: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.3	8.3	8.4	8.3	8.2	8.2
85°	8.2	8.4	8.5	8.5	8.5	8.3	8.2
82.5°	8.2	8.5	8.6	8.7	8.6	8.3	8.2
80°	8.3	8.6	8.8	8.9	8.8	8.3	8.2
77.5°	8.7	8.8	9.0	9.0	8.9	8.4	8.2
75°	9.2	9.0	9.1	9.2	9.0	8.4	8.2
72.5°	9.6	9.3	9.3	9.4	9.2	8.4	8.2
70°	9.9	9.6	9.4	9.6	9.3	8.5	8.2
67.5°	9.9	9.8	9.6	9.6	9.4	8.5	8.2
65°	9.9	9.9	9.7	9.7	9.5	8.5	8.2
62.5°	9.9	9.9	9.8	9.7	9.6	8.5	8.2
60°	9.9	9.9	9.9	9.8	9.7	8.6	8.2
57.5°	9.9	9.9	9.9	9.8	9.7	8.6	8.2
55°	9.9	9.9	9.9	9.8	9.6	8.6	8.2
52.5°	9.9	9.9	9.9	9.9	9.6	8.6	8.2
50°	9.9	9.9	9.9	9.9	9.6	8.6	8.2
47.5°	9.9	9.9	9.9	9.9	9.6	8.6	8.2
45°	10.0	9.9	9.9	9.9	9.6	8.6	8.2
42.5°	10.2	9.9	9.9	9.9	9.6	8.6	8.2
40°	10.4	9.9	9.9	9.9	9.6	8.6	8.2
37.5°	10.6	9.9	9.9	9.9	9.6	8.6	8.2
35°	10.8	10.0	9.9	9.9	9.6	8.6	8.2
32.5°	11.0	10.2	9.9	9.9	9.7	8.6	8.2
30°	11.1	10.3	9.9	9.9	9.7	8.6	8.2
27.5°	11.2	10.5	9.9	9.9	9.7	8.5	8.2
25°	11.3	10.7	9.9	9.9	9.7	8.5	8.2
22.5°	11.4	10.9	9.9	9.9	9.7	8.5	8.2
20°	11.5	11.0	9.9	9.9	9.8	8.5	8.2
17.5°	11.6	11.1	9.9	9.9	9.8	8.4	8.2
15°	11.8	11.2	9.9	9.9	9.8	8.4	8.2
12.5°	12.0	11.3	9.9	9.9	9.8	8.4	8.2
10°	12.2	11.4	9.9	9.9	9.9	8.3	8.2
7.5°	12.5	11.4	9.9	9.9	9.9	8.3	8.2
5°	12.7	11.5	9.9	9.9	9.9	8.3	8.2
2.5°	13.0	11.5	9.9	9.9	9.9	8.2	8.2
0°	13.2	11.5	9.9	9.9	9.9	8.2	8.2
-2.5°	14.5	11.5	9.9	9.9	9.9	8.2	8.2
-5°	15.7	11.5	9.9	9.9	9.9	8.2	8.2
-7.5°	16.8	11.4	9.9	9.9	9.9	8.2	8.2
-10°	17.8	11.4	9.9	9.9	9.8	8.2	8.2
-12.5°	18.5	11.3	9.9	9.9	9.8	8.2	8.2
-15°	19.0	11.2	9.9	9.9	9.8	8.2	8.2
-17.5°	19.2	11.1	9.9	9.9	9.7	8.2	8.2
-20°	19.5	11.0	9.9	9.9	9.7	8.2	8.2



REPORT NUMBER: P731483 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.0	10.9	9.9	9.9	9.6	8.2	8.2
-25°	20.1	11.1	9.9	9.9	9.6	8.2	8.2
-27.5°	19.5	11.3	9.9	9.9	9.5	8.2	8.2
-30°	18.4	11.4	9.9	9.9	9.4	8.2	8.2
-32.5°	16.6	11.4	10.1	9.9	9.4	8.2	8.2
-35°	15.9	11.3	10.2	9.9	9.3	8.2	8.2
-37.5°	15.8	11.2	10.3	9.9	9.2	8.2	8.2
-40°	15.4	11.3	10.4	9.9	9.1	8.2	8.2
-42.5°	14.9	11.4	10.5	9.9	9.0	8.2	8.2
-45°	14.1	11.5	10.5	10.0	8.9	8.2	8.2
-47.5°	13.1	11.6	10.6	10.0	8.8	8.2	8.2
-50°	13.0	11.6	10.6	9.9	8.7	8.2	8.2
-52.5°	12.9	11.6	10.6	9.8	8.6	8.2	8.2
-55°	12.8	11.5	10.6	9.6	8.4	8.2	8.2
-57.5°	12.7	11.4	10.5	9.5	8.3	8.2	8.2
-60°	12.5	11.3	10.5	9.3	8.2	8.2	8.2
-62.5°	12.3	11.2	10.3	9.1	8.2	8.2	8.2
-65°	12.0	11.0	10.0	9.0	8.2	8.2	8.2
-67.5°	11.7	10.8	9.8	8.8	8.2	8.2	8.2
-70°	11.4	10.5	9.5	8.6	8.2	8.2	8.2
-72.5°	11.0	10.2	9.3	8.5	8.2	8.2	8.2
-75°	10.7	9.9	9.0	8.5	8.2	8.2	8.2
-77.5°	10.3	9.5	8.9	8.5	8.2	8.2	8.2
-80°	9.9	9.3	8.8	8.4	8.2	8.2	8.2
-82.5°	9.5	9.0	8.6	8.4	8.2	8.2	8.2
-85°	9.1	8.7	8.5	8.3	8.2	8.2	8.2
-87.5°	8.6	8.5	8.3	8.3	8.2	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

