

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: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-3S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731460 (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-40-70-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

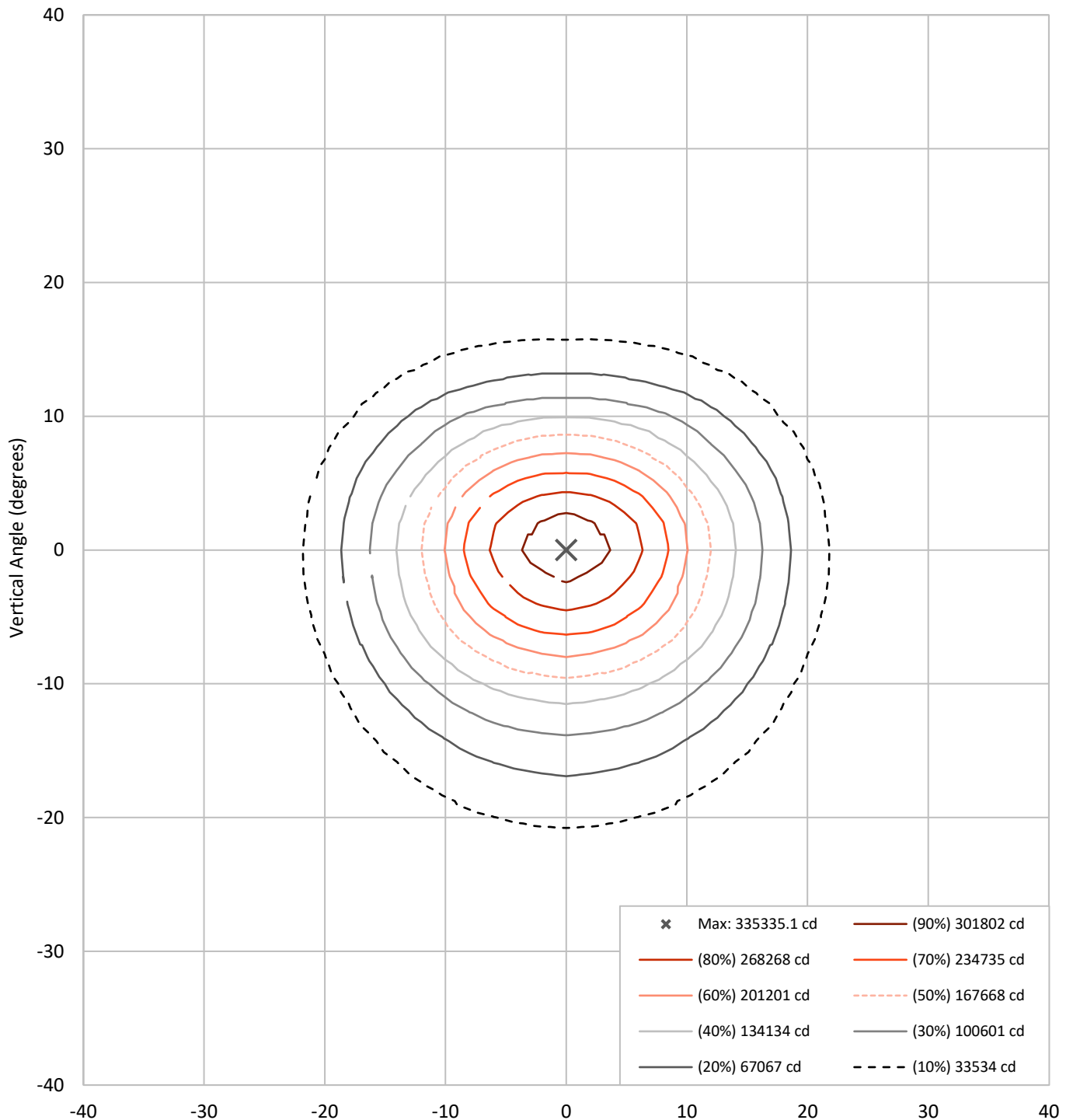
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	56059.7 lumens	Max Intensity:	335335.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	100.1 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:	23981 lumens	Field Lumens:	47908.6 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-40-70-3S-CV5

Iso-Candela Plot





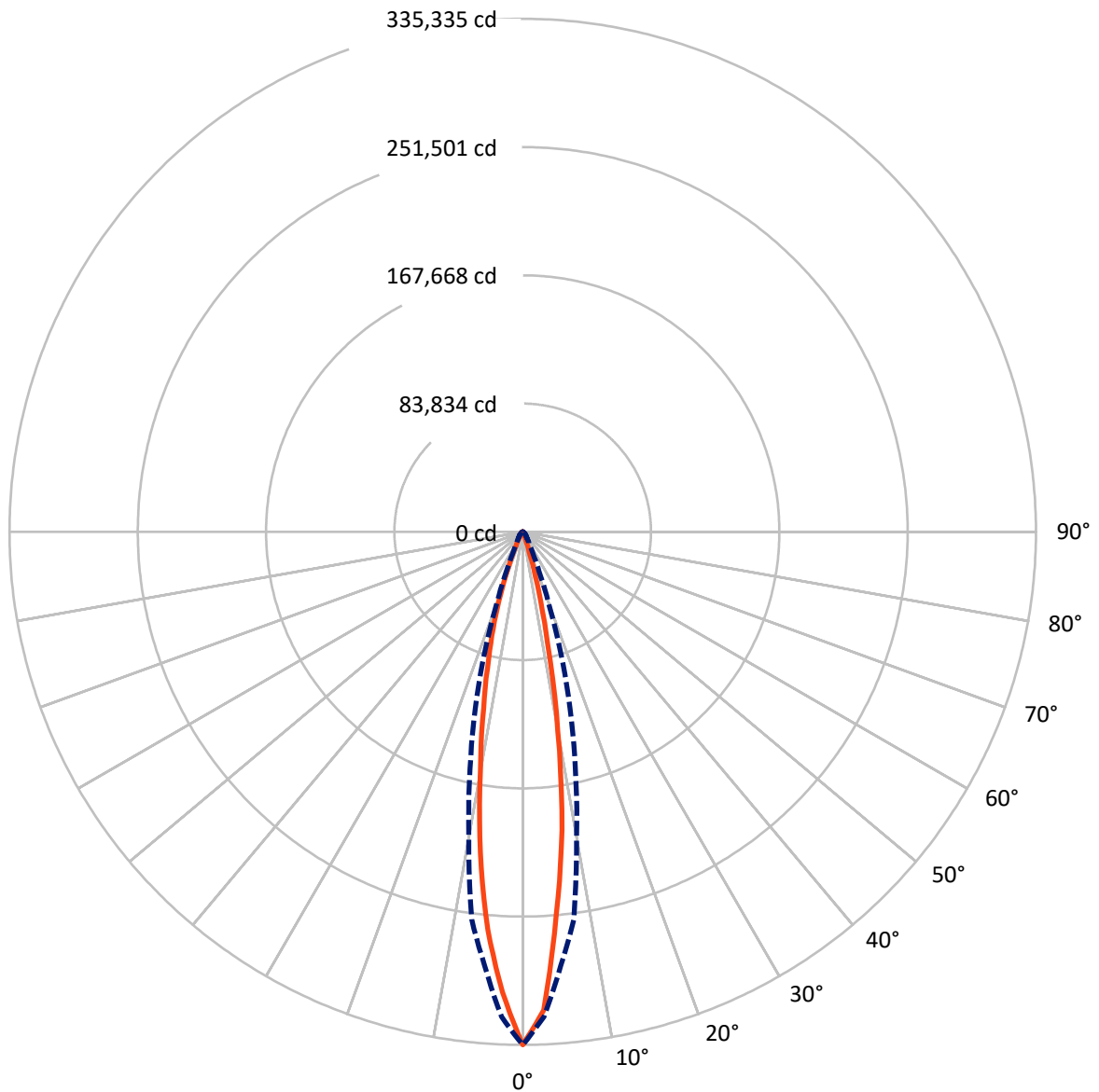
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Lumen Table

90	0.1	0.4	0.7	0.7	0.8	0.7	0.7	0.4	0.1										
80	0.1	0.4	0.7	0.7	0.8	0.7	0.7	0.4	0.1										
70	0.2	0.1	0.2	0.6	0.7	0.5	0.3	0.2	0.2	0.3	0.5	0.7	0.6	0.2	0.1	0.2			
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1				
50	0.2	0.2	0.4	0.3	0.3	0.4	0.5	0.4	0.4	0.5	0.4	0.3	0.3	0.4	0.2	0.2			
40		0.2	0.6	0.8	1.5	2.2	2.7	3.6	3.6	2.7	2.2	1.5	0.8	0.6	0.2				
30	0.2	0.4	1.6	3.9	7.4	11.3	25.5	51.3	51.3	25.5	11.3	7.4	3.9	1.6	0.4	0.2			
20		1.1	5.8	18.4	40.4	108.3	600.5	1374.1	1374.1	600.5	108.3	40.4	18.4	5.8	1.1				
10	0.4	2.0	12.1	43.6	101.7	447.1	2804.4	6546.1	6546.1	2804.4	447.1	101.7	43.6	12.1	2.0	0.4			
0		2.7	14.4	51.0	114.0	476.6	2991.1	6742.3	6742.3	2991.1	476.6	114.0	51.0	14.4	2.7				
-10	0.6	2.9	12.4	38.7	80.9	205.4	1086.0	2444.1	2444.1	1086.0	205.4	80.9	38.7	12.4	2.9	0.6			
-20		2.8	10.0	24.3	57.2	96.9	210.3	422.9	422.9	210.3	96.9	57.2	24.3	10.0	2.8				
-30	0.5	2.5	8.0	16.9	37.0	66.8	90.8	105.9	105.9	90.8	66.8	37.0	16.9	8.0	2.5	0.5			
-40		1.8	6.0	12.9	23.0	37.5	57.4	72.2	72.2	57.4	37.5	23.0	12.9	6.0	1.8				
-50	0.3	0.8	3.6	8.2	14.6	21.5	27.2	30.6	30.6	27.2	21.5	14.6	8.2	3.6	0.8	0.3			
-60		0.3	1.2	3.5	6.6	10.1	13.6	15.7	15.7	13.6	10.1	6.6	3.5	1.2	0.3				
-70	0.2	0.8	2.7	7.2	11.2	7.2	2.7	0.8	0.2						0.2				
-80		0.8	2.7	7.2	11.2	7.2	2.7	0.8	0.2										
-90	0.2	0.8	2.7	7.2	11.2	7.2	2.7	0.8	0.2						0.2				

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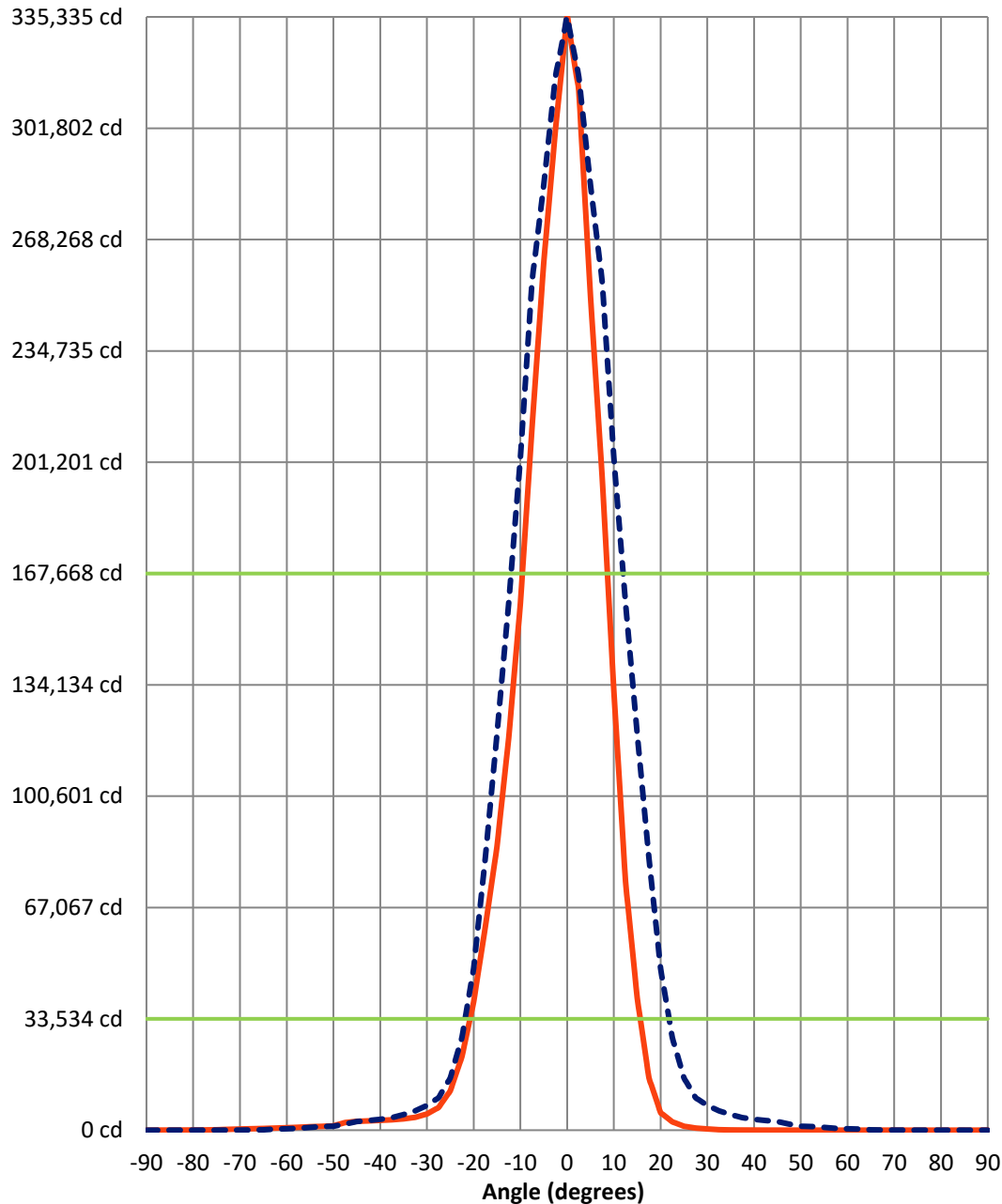
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 23981
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 47908.6
 Efficiency: 85.5%

Spill:
 Lumens: 8151.2
 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°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
72.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
70°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.7
67.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.8	8.4
65°	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.1	7.7	8.4	8.7
62.5°	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.4	8.2	8.8	8.2
60°	7.1	7.1	7.1	7.1	7.1	7.5	7.4	7.9	8.8	8.5	7.8
57.5°	7.1	7.1	7.1	7.1	7.3	7.6	7.8	8.4	8.8	8.3	7.7
55°	7.1	7.1	7.1	7.1	7.4	7.8	8.1	8.9	8.7	8.2	7.8
52.5°	7.1	7.1	7.2	7.1	7.6	8.0	8.4	8.9	8.7	8.3	7.9
50°	7.1	7.1	7.2	7.1	7.8	8.2	8.7	9.0	8.8	8.4	9.6
47.5°	7.1	7.1	7.3	7.1	8.0	8.4	8.9	9.1	8.9	8.5	11.1
45°	7.1	7.1	7.3	7.3	8.3	8.6	9.1	9.3	9.1	9.4	12.1
42.5°	7.1	7.1	7.4	7.5	8.5	8.7	9.2	9.5	9.3	10.0	13.3
40°	7.1	7.1	7.4	7.7	8.7	8.8	9.4	9.7	9.7	10.3	14.4
37.5°	7.1	7.1	7.5	7.9	8.7	8.9	9.6	10.0	10.4	11.4	15.5
35°	7.1	7.1	7.6	8.1	8.8	9.0	9.9	10.3	11.2	13.3	16.1
32.5°	7.1	7.1	7.7	8.2	8.9	9.2	10.1	10.7	12.0	15.2	17.7
30°	7.1	7.1	7.8	8.4	8.9	9.4	10.4	11.1	12.8	17.2	19.6
27.5°	7.1	7.1	7.8	8.5	8.9	9.6	10.7	11.8	14.0	19.2	21.9
25°	7.1	7.1	7.9	8.6	8.9	9.8	11.0	12.5	15.6	21.1	24.6
22.5°	7.1	7.1	8.0	8.7	8.9	9.9	11.3	13.2	17.2	23.2	29.7
20°	7.1	7.1	8.1	8.7	8.9	10.1	11.7	13.9	18.9	25.5	35.3
17.5°	7.1	7.1	8.2	8.8	8.9	10.2	11.9	14.5	20.4	27.9	41.3
15°	7.1	7.1	8.3	8.8	8.9	10.3	12.0	15.3	22.0	30.3	47.6
12.5°	7.1	7.1	8.4	8.9	8.9	10.4	12.1	16.3	23.7	32.8	54.1
10°	7.1	7.1	8.5	8.9	8.9	10.5	12.2	17.3	25.6	37.0	62.0
7.5°	7.1	7.1	8.6	8.9	8.9	10.5	12.3	18.4	27.3	41.6	73.0
5°	7.1	7.1	8.7	8.9	8.9	10.6	12.4	19.4	29.0	46.2	83.9
2.5°	7.1	7.1	8.8	8.9	8.9	10.6	12.4	20.4	30.5	50.7	94.6
0°	7.1	7.1	8.9	8.9	8.9	10.6	12.4	20.4	30.5	50.7	94.6
-2.5°	7.1	7.1	8.9	8.9	9.0	11.0	14.0	25.4	40.5	67.5	119.7
-5°	7.1	7.1	8.9	8.9	9.2	11.4	15.6	29.3	48.7	79.5	133.7
-7.5°	7.1	7.1	8.9	8.9	9.3	11.7	17.1	32.8	56.3	90.7	146.5
-10°	7.1	7.1	8.8	8.9	9.5	12.0	18.4	36.0	63.2	100.9	158.0
-12.5°	7.1	7.1	8.8	8.9	9.6	12.2	19.5	38.6	69.1	110.0	168.4
-15°	7.1	7.1	8.8	8.9	9.7	12.5	20.4	40.6	74.5	118.4	177.5
-17.5°	7.1	7.1	8.7	8.9	9.7	12.6	21.0	42.9	79.6	125.6	184.7
-20°	7.1	7.1	8.7	8.9	9.8	12.7	21.6	45.0	83.4	131.4	190.0



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.1	7.1	8.6	8.9	9.8	12.7	22.3	46.2	85.8	136.0	193.4
-25°	7.1	7.1	8.6	8.9	9.8	12.8	22.4	46.3	86.8	139.1	194.7
-27.5°	7.1	7.1	8.5	8.9	9.8	12.9	21.9	45.3	86.1	140.5	197.4
-30°	7.1	7.1	8.4	8.9	9.7	12.9	20.8	43.0	84.7	139.5	198.4
-32.5°	7.1	7.1	8.3	8.9	9.7	12.8	19.0	41.4	82.0	136.4	197.4
-35°	7.1	7.1	8.2	8.9	9.7	12.6	18.3	39.3	77.6	131.0	194.6
-37.5°	7.1	7.1	8.2	8.9	9.6	12.4	18.0	36.2	71.4	123.4	181.5
-40°	7.1	7.1	8.1	8.9	9.5	12.3	17.5	32.0	63.4	114.5	165.5
-42.5°	7.1	7.1	8.0	8.9	9.5	12.1	16.9	26.8	56.4	100.6	147.7
-45°	7.1	7.1	7.8	8.9	9.5	11.9	16.1	22.9	49.2	85.0	128.7
-47.5°	7.1	7.1	7.7	8.9	9.5	11.6	15.2	21.8	40.6	68.4	109.9
-50°	7.1	7.1	7.6	8.8	9.4	11.2	14.6	20.4	30.1	56.5	89.9
-52.5°	7.1	7.1	7.5	8.6	9.3	10.7	14.0	18.9	25.3	44.0	69.5
-55°	7.1	7.1	7.4	8.5	9.2	10.5	13.3	17.2	22.9	30.9	54.9
-57.5°	7.1	7.1	7.2	8.3	9.1	10.2	12.5	16.1	20.5	25.8	39.6
-60°	7.1	7.1	7.1	8.1	8.9	9.9	11.6	14.9	18.3	23.1	28.0
-62.5°	7.1	7.1	7.1	8.0	8.7	9.5	11.1	13.6	16.8	20.2	24.8
-65°	7.1	7.1	7.1	7.8	8.6	9.1	10.4	12.5	15.3	18.2	21.6
-67.5°	7.1	7.1	7.1	7.7	8.4	8.8	9.8	11.6	13.7	16.5	19.2
-70°	7.1	7.1	7.1	7.5	8.3	8.7	9.0	10.7	12.7	14.6	17.2
-72.5°	7.1	7.1	7.1	7.4	8.1	8.6	8.9	9.8	11.6	13.4	15.3
-75°	7.1	7.1	7.1	7.4	8.0	8.5	8.9	9.4	10.5	12.2	13.9
-77.5°	7.1	7.1	7.1	7.4	7.8	8.4	8.9	9.3	10.0	11.1	12.6
-80°	7.1	7.1	7.1	7.3	7.7	8.2	8.9	9.1	9.5	10.2	11.2
-82.5°	7.1	7.1	7.1	7.3	7.6	8.0	8.5	8.7	8.9	9.3	9.8
-85°	7.1	7.1	7.1	7.2	7.4	7.7	8.0	8.2	8.3	8.5	8.6
-87.5°	7.1	7.1	7.1	7.2	7.3	7.4	7.6	7.6	7.7	7.8	7.9
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.6	8.0	8.4
87.5°	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.3	5.3	5.3	5.3
85°	7.1	7.1	7.1	7.1	6.7	6.2	5.8	5.3	5.3	5.3	5.3
82.5°	7.1	7.1	7.1	7.1	6.7	6.2	5.8	5.6	5.6	5.6	5.5
80°	7.1	7.1	7.1	7.1	6.9	6.7	6.7	6.8	6.6	6.3	5.8
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.8	6.3	5.9
75°	7.1	7.1	7.2	7.2	7.1	7.1	7.1	7.1	6.9	6.8	6.8
72.5°	7.4	7.6	7.6	7.3	7.1	7.1	7.1	7.1	8.4	10.1	11.5
70°	8.1	8.2	7.7	7.2	7.1	7.6	9.7	12.7	15.8	18.1	21.0
67.5°	8.7	7.8	7.3	7.3	8.6	10.9	14.3	21.9	30.3	33.6	34.5
65°	8.0	7.3	7.5	8.7	10.4	16.7	25.0	34.8	42.0	41.5	39.4
62.5°	7.3	7.4	8.3	11.1	16.8	24.6	32.2	39.1	45.9	44.0	37.8
60°	7.2	7.5	10.8	16.6	22.6	28.3	35.4	39.3	42.5	42.3	33.4
57.5°	7.3	9.6	15.3	21.0	25.8	30.2	32.4	35.1	36.2	36.3	27.2
55°	8.5	13.1	18.8	23.6	27.2	26.5	27.4	27.7	27.8	26.0	18.5
52.5°	11.3	16.2	20.8	25.0	25.9	23.3	20.3	20.4	19.1	16.1	13.3
50°	13.6	18.0	22.5	25.4	24.2	19.3	15.0	14.9	13.6	11.7	10.2
47.5°	15.2	19.7	24.1	25.6	21.5	17.5	13.8	12.1	10.8	10.4	9.3
45°	16.7	21.0	25.6	23.9	20.3	17.3	14.3	10.6	11.1	11.0	11.4
42.5°	18.1	21.9	24.5	22.8	20.7	18.5	15.8	13.6	12.7	14.0	14.6
40°	18.7	22.5	23.7	24.0	22.0	20.9	20.5	18.9	16.4	18.6	19.4
37.5°	18.9	22.4	24.6	27.6	24.9	25.6	26.6	27.1	25.6	25.0	28.1
35°	18.9	23.0	29.7	33.2	31.1	32.6	35.6	37.1	37.1	36.4	41.8
32.5°	19.3	24.3	36.7	39.7	42.0	43.8	45.9	49.2	52.3	55.7	64.4
30°	21.8	30.8	44.7	47.1	55.4	64.1	61.7	63.3	70.3	92.4	111.7
27.5°	27.2	39.7	51.8	58.9	72.4	90.7	96.4	85.2	105.4	139.8	172.6
25°	33.6	64.4	59.3	73.4	98.6	126.0	141.2	139.6	159.4	202.8	241.8
22.5°	47.2	96.5	93.5	89.2	129.0	169.2	195.4	240.7	304.6	304.3	318.4
20°	70.9	127.2	136.6	148.4	174.1	219.0	256.4	376.5	509.5	554.7	505.4
17.5°	98.6	161.1	185.8	225.8	282.7	311.8	333.1	538.7	763.5	852.6	880.6
15°	129.4	197.5	238.3	312.3	403.2	454.7	545.4	780.3	1046.0	1197.0	1309.3
12.5°	162.3	235.8	293.4	405.8	532.3	600.4	801.6	1141.5	1406.1	1588.4	1873.9
10°	196.2	275.4	350.0	504.0	667.4	747.8	1075.8	1513.5	1790.0	2000.9	2391.6
7.5°	233.5	314.8	406.2	604.1	805.4	895.9	1359.0	1888.3	2164.1	2399.1	2840.6
5°	269.8	352.7	456.7	689.3	916.0	1020.7	1614.4	2256.2	2527.5	2782.5	3246.0
2.5°	303.3	389.0	505.1	767.8	1003.7	1108.1	1737.4	2443.4	2739.2	3055.7	3552.2
0°	332.9	423.3	550.8	839.4	1083.8	1191.8	1834.7	2605.0	2911.4	3270.9	3775.6
-2.5°	339.2	436.9	567.0	838.4	1073.1	1189.7	1844.1	2612.2	2970.7	3350.7	3844.7
-5°	340.8	447.8	579.5	830.0	1055.3	1182.8	1825.1	2585.8	2980.5	3331.3	3776.1
-7.5°	338.5	455.6	588.1	813.6	1020.6	1143.5	1717.5	2425.6	2824.7	3130.3	3548.6
-10°	332.4	454.5	578.5	776.6	965.3	1083.9	1570.2	2240.7	2662.5	2925.5	3289.9
-12.5°	321.8	446.0	563.2	736.9	909.3	1023.1	1398.6	2035.9	2498.0	2722.7	3017.5
-15°	309.9	435.9	545.2	695.9	854.6	961.8	1203.9	1814.9	2341.3	2570.1	2789.2
-17.5°	297.5	424.5	524.7	654.8	802.8	901.0	993.7	1580.1	2143.2	2414.6	2626.2
-20°	285.3	412.0	501.9	614.9	754.1	854.0	929.9	1342.2	1864.7	2242.3	2454.7



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	274.0	398.7	480.4	584.0	711.2	816.4	893.5	1109.5	1570.9	2054.8	2284.5
-25°	269.8	379.6	462.8	557.0	670.1	778.6	858.0	912.0	1293.3	1772.3	2122.3
-27.5°	269.9	363.6	445.9	527.8	629.1	738.3	817.5	873.2	1082.3	1494.7	1939.4
-30°	267.5	344.3	427.4	499.6	593.1	691.9	775.6	852.5	918.6	1248.8	1641.3
-32.5°	257.4	324.1	405.0	477.4	557.0	647.1	741.3	823.5	895.3	1002.7	1358.3
-35°	243.7	307.3	380.7	453.7	520.3	607.2	699.8	789.7	865.9	932.6	1094.9
-37.5°	231.3	288.2	355.5	427.5	493.0	567.4	655.1	745.3	827.2	906.4	979.7
-40°	217.1	267.0	331.6	399.3	464.6	529.6	608.9	694.0	780.3	871.6	960.0
-42.5°	200.8	249.4	306.0	369.8	431.8	495.5	560.5	640.5	727.4	824.0	916.0
-45°	179.3	230.0	279.2	336.7	395.4	457.3	519.9	584.5	668.4	757.5	853.8
-47.5°	155.9	207.5	255.3	301.4	356.7	414.3	475.3	538.6	604.9	686.2	772.6
-50°	131.5	179.5	228.1	269.7	316.0	369.2	425.3	488.2	551.3	615.1	688.7
-52.5°	107.7	149.6	195.1	238.4	278.3	322.9	374.8	431.8	492.2	553.4	610.3
-55°	82.6	120.6	159.9	202.1	242.6	280.4	322.3	373.5	427.5	484.3	536.4
-57.5°	62.3	91.0	125.9	162.7	201.9	240.3	276.9	313.9	360.5	410.7	455.3
-60°	44.8	65.6	92.4	124.8	158.2	194.5	231.3	265.9	299.9	332.8	372.7
-62.5°	29.4	45.6	64.5	87.2	116.9	147.4	180.0	213.4	246.5	275.0	301.3
-65°	25.8	29.5	42.3	59.3	76.2	103.7	131.4	157.9	187.0	213.2	238.5
-67.5°	22.0	25.5	28.8	34.8	50.1	67.1	85.0	109.3	132.4	151.2	170.0
-70°	19.5	21.6	24.4	27.4	30.6	37.5	52.5	68.1	83.6	98.1	114.1
-72.5°	17.2	19.1	20.9	22.6	25.4	28.7	32.1	35.6	44.2	55.8	66.9
-75°	15.2	16.5	18.1	19.7	21.5	23.4	25.6	28.5	31.3	33.7	35.9
-77.5°	13.5	14.5	15.6	16.8	18.2	19.7	21.3	23.0	24.8	26.7	28.6
-80°	11.8	12.4	13.1	13.9	15.0	16.2	17.4	18.5	19.5	20.8	22.2
-82.5°	10.2	10.6	11.0	11.4	12.1	12.9	13.8	14.8	15.1	15.4	15.9
-85°	8.8	8.9	9.2	9.4	9.8	10.1	10.6	11.1	11.2	11.2	11.2
-87.5°	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.5	8.7	8.8
-90°	6.7	6.2	5.8	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3



REPORT NUMBER: P731460 (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°	8.9	9.3	9.7	10.2	10.6	14.6	18.6	22.6	26.6	33.2	39.8
87.5°	5.3	4.9	4.4	4.0	3.5	3.1	2.7	2.2	1.8	1.8	1.8
85°	5.3	4.9	4.4	4.0	3.5	3.4	3.4	3.4	3.4	3.0	2.6
82.5°	5.3	4.9	4.4	4.0	3.5	3.5	3.5	3.5	3.5	3.1	2.7
80°	5.4	5.1	4.9	4.7	4.6	4.5	4.2	3.9	3.5	3.5	3.4
77.5°	5.6	5.6	5.6	5.5	5.4	4.9	4.5	4.0	3.6	3.5	3.5
75°	6.9	7.1	7.2	7.0	6.4	5.9	5.7	5.3	5.0	4.7	4.4
72.5°	12.4	12.5	11.9	11.5	10.4	9.9	10.0	9.8	9.5	9.4	9.2
70°	22.7	23.1	22.2	20.0	16.9	14.9	13.9	12.6	11.2	10.5	10.5
67.5°	32.3	29.6	26.7	23.7	19.9	16.6	14.7	12.9	11.3	10.4	10.0
65°	35.4	28.9	24.2	20.4	17.4	15.0	13.0	11.0	9.1	7.9	7.6
62.5°	30.8	23.0	18.3	15.5	13.4	12.1	10.1	8.4	6.8	5.9	6.2
60°	25.0	17.0	12.6	11.0	9.8	8.9	7.8	6.7	5.9	5.3	5.4
57.5°	18.7	12.4	8.9	8.7	8.2	7.5	6.8	6.3	5.8	5.3	5.3
55°	12.9	10.3	8.9	8.4	7.9	7.4	6.9	6.4	5.9	5.3	5.3
52.5°	10.2	9.3	8.9	8.6	8.1	7.6	7.0	6.5	6.0	5.4	5.3
50°	9.3	9.0	9.1	8.8	8.2	7.7	7.2	6.8	6.7	6.5	6.6
47.5°	9.5	9.8	9.6	9.0	8.6	8.7	8.7	8.7	8.8	8.5	8.3
45°	10.8	10.9	10.8	10.7	10.2	11.2	11.8	11.9	13.9	13.1	11.1
42.5°	13.5	14.2	14.9	15.8	14.6	18.7	25.1	29.4	25.2	19.9	16.8
40°	20.5	21.0	25.4	27.8	32.9	38.8	35.3	29.6	26.4	28.1	29.1
37.5°	32.3	37.7	45.0	53.3	51.3	42.5	43.5	43.4	41.9	45.5	45.7
35°	52.6	65.9	72.2	74.1	70.5	67.7	70.2	72.6	67.2	75.8	78.5
32.5°	86.0	102.2	105.9	102.0	102.5	108.4	112.9	121.0	129.0	141.9	157.3
30°	126.8	144.3	152.6	145.0	146.6	160.7	169.9	188.3	217.6	251.2	293.0
27.5°	187.9	200.9	215.8	217.9	210.9	231.5	263.9	283.2	362.2	414.5	508.6
25°	268.5	288.7	301.8	323.9	335.8	360.8	422.8	482.5	603.8	721.9	922.3
22.5°	374.3	438.9	462.7	459.3	529.1	596.3	649.1	816.2	1055.1	1404.8	1798.4
20°	514.1	646.8	759.6	796.2	821.1	998.3	1180.6	1699.3	2294.0	3286.4	4058.1
17.5°	926.7	970.3	1218.1	1419.7	1515.7	1891.0	2741.8	4047.6	6292.1	9363.1	11251.4
15°	1547.1	1671.8	1920.2	2346.7	2874.7	3869.5	5289.7	9452.9	15209.3	21499.8	27488.8
12.5°	2232.2	2492.3	2947.3	3575.6	4413.7	7252.3	11835.7	19668.4	30325.2	41223.9	55123.9
10°	2868.0	3390.9	4137.9	5198.3	7350.3	12199.6	19914.5	33228.9	52105.6	71788.7	91452.8
7.5°	3386.7	4134.8	5227.1	6815.5	10672.5	18457.9	31110.5	50727.4	74930.3	100253.7	126915.2
5°	3910.5	4857.6	6173.2	8095.0	12849.4	23293.0	40122.4	66978.4	98212.6	130120.7	163720.2
2.5°	4364.5	5472.5	6995.6	9240.9	14313.4	25909.9	45558.9	78628.4	115300.5	153483.8	196278.1
0°	4700.1	5828.1	7446.8	9782.6	15756.0	27947.1	48741.4	82072.1	119371.5	158791.7	202529.2
-2.5°	4653.4	5673.5	7140.7	9458.8	15254.8	27579.6	46753.5	79236.8	115742.2	152694.8	191702.9
-5°	4440.8	5327.9	6642.6	8717.5	13523.7	23928.8	41956.0	71892.8	105838.0	139606.7	174314.4
-7.5°	4116.7	4884.3	6036.6	7819.1	11527.7	19720.9	34702.6	58120.6	87304.4	116165.2	142939.0
-10°	3782.0	4407.2	5341.2	6749.7	9395.1	15120.1	25714.5	43221.3	67491.1	91258.8	111776.2
-12.5°	3467.3	3933.0	4597.2	5577.9	7208.4	11319.2	19318.5	32091.3	48302.9	66576.5	84342.6
-15°	3173.9	3518.2	3995.2	4786.1	6091.1	8529.4	12872.1	21384.0	32787.1	45542.4	57823.5
-17.5°	2904.9	3188.7	3560.9	4117.8	4926.4	6434.2	9476.4	14342.9	21227.6	30300.6	38781.6
-20°	2663.7	2920.8	3199.3	3616.5	4237.4	5124.9	6622.6	9643.7	13616.6	19335.3	24944.0



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2475.0	2676.9	2893.3	3212.4	3730.0	4359.4	5103.9	6341.6	8528.3	11461.6	14783.5
-25°	2302.4	2452.0	2676.4	3019.9	3374.5	3794.3	4245.7	4742.2	5712.4	6655.8	8395.0
-27.5°	2138.4	2296.1	2530.0	2840.0	3163.4	3359.5	3648.2	3954.8	4419.0	4828.6	5521.5
-30°	2001.6	2167.2	2365.8	2627.3	2899.7	3084.3	3234.6	3456.4	3713.8	3970.7	4268.8
-32.5°	1744.5	2060.5	2198.1	2397.5	2642.8	2837.1	2970.1	3134.8	3272.4	3432.1	3594.0
-35°	1463.2	1811.7	2096.4	2225.4	2395.0	2611.0	2800.1	2932.4	3039.0	3137.5	3230.3
-37.5°	1144.9	1507.4	1818.2	2079.9	2235.0	2379.8	2580.3	2758.4	2886.5	2954.3	3014.6
-40°	1023.8	1128.4	1456.8	1756.9	1990.5	2217.2	2373.4	2548.0	2696.1	2789.7	2859.7
-42.5°	1003.1	1056.8	1099.2	1326.7	1610.2	1852.9	2059.7	2263.4	2444.4	2578.6	2686.9
-45°	947.0	1011.0	1070.7	1112.7	1156.3	1371.0	1601.8	1826.7	2031.0	2213.8	2373.5
-47.5°	856.6	932.9	996.7	1057.7	1105.1	1142.5	1185.8	1257.4	1448.8	1636.6	1814.9
-50°	758.4	827.5	896.6	962.2	1013.7	1059.0	1100.7	1136.3	1172.1	1209.7	1245.4
-52.5°	661.2	723.0	784.4	842.0	896.9	948.6	996.6	1031.9	1062.2	1088.8	1108.8
-55°	584.7	630.7	675.5	724.4	773.1	818.6	860.4	898.6	933.4	964.4	988.3
-57.5°	500.2	545.3	588.2	624.8	660.4	694.7	730.2	764.0	794.0	819.9	841.0
-60°	412.0	450.5	488.7	524.7	559.0	591.3	620.3	647.1	671.2	691.9	707.4
-62.5°	326.9	357.2	391.6	422.9	450.4	476.8	506.8	533.7	557.6	577.5	592.3
-65°	262.4	284.3	308.9	333.2	357.0	382.7	408.8	431.9	452.3	468.9	482.1
-67.5°	191.3	212.7	236.7	258.5	278.6	300.3	325.2	348.1	369.0	385.9	399.6
-70°	129.0	144.2	163.1	183.4	203.1	223.8	246.5	268.5	289.4	305.5	318.5
-72.5°	77.4	87.4	97.5	110.7	124.6	141.6	160.7	179.9	198.9	212.7	223.5
-75°	37.9	41.9	50.2	57.9	64.9	74.0	83.7	92.8	101.3	107.5	112.6
-77.5°	30.6	32.6	34.5	36.3	38.1	42.1	46.9	51.8	56.9	60.9	64.7
-80°	23.6	24.8	26.1	27.4	28.9	31.9	35.2	38.6	41.9	44.4	46.8
-82.5°	16.5	17.1	17.7	18.3	18.8	21.0	23.2	25.4	27.5	29.5	31.5
-85°	11.1	11.3	11.5	11.6	11.7	14.0	16.3	18.6	20.9	22.8	24.6
-87.5°	8.9	9.0	9.0	9.0	9.1	10.9	12.8	14.5	16.3	18.0	19.8
-90°	5.3	4.9	4.4	4.0	3.5	3.1	2.7	2.2	1.8	1.4	0.9



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	46.5	53.1	48.7	44.3	48.7	53.1	46.5	39.8	33.2	26.6	22.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
85°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.6	3.0	3.4	3.4
82.5°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.9
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	4.0
75°	4.0	3.5	4.4	5.3	4.4	3.5	4.0	4.4	4.7	5.0	5.3
72.5°	9.1	8.8	8.9	8.9	8.9	8.8	9.1	9.2	9.4	9.5	9.8
70°	10.5	10.5	10.6	10.6	10.6	10.5	10.5	10.5	10.5	11.2	12.6
67.5°	9.5	9.0	8.9	8.9	8.9	9.0	9.5	10.0	10.4	11.3	12.9
65°	7.3	7.2	7.1	7.1	7.1	7.2	7.3	7.6	7.9	9.1	11.0
62.5°	6.5	7.0	7.1	7.1	7.1	7.0	6.5	6.2	5.9	6.8	8.4
60°	5.4	5.4	5.3	5.3	5.3	5.4	5.4	5.4	5.3	5.9	6.7
57.5°	5.3	5.3	6.0	7.1	6.0	5.3	5.3	5.3	5.3	5.8	6.3
55°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.9	6.4
52.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.4	6.0	6.5
50°	6.8	7.0	7.1	7.1	7.1	7.0	6.8	6.6	6.5	6.7	6.8
47.5°	8.6	8.8	8.3	7.1	8.3	8.8	8.6	8.3	8.5	8.8	8.7
45°	11.1	10.8	10.6	10.6	10.6	10.8	11.1	11.1	13.1	13.9	11.9
42.5°	17.3	17.5	17.5	17.7	17.5	17.5	17.3	16.8	19.9	25.2	29.4
40°	30.6	31.3	31.5	31.9	31.5	31.3	30.6	29.1	28.1	26.4	29.6
37.5°	46.3	47.1	47.3	47.8	47.3	47.1	46.3	45.7	45.5	41.9	43.4
35°	78.2	78.0	75.3	76.2	75.3	78.0	78.2	78.5	75.8	67.2	72.6
32.5°	167.9	169.2	160.5	147.0	160.5	169.2	167.9	157.3	141.9	129.0	121.0
30°	324.5	352.2	370.9	371.9	370.9	352.2	324.5	293.0	251.2	217.6	188.3
27.5°	571.5	614.7	633.0	642.8	633.0	614.7	571.5	508.6	414.5	362.2	283.2
25°	1079.7	1178.8	1232.3	1191.8	1232.3	1178.8	1079.7	922.3	721.9	603.8	482.5
22.5°	2172.6	2362.0	2523.5	2532.4	2523.5	2362.0	2172.6	1798.4	1404.8	1055.1	816.2
20°	5130.9	5087.9	5496.0	5291.5	5496.0	5087.9	5130.9	4058.1	3286.4	2294.0	1699.3
17.5°	14553.6	16163.4	17053.1	15835.7	17053.1	16163.4	14553.6	11251.4	9363.1	6292.1	4047.6
15°	33458.0	37473.9	40191.3	39844.2	40191.3	37473.9	33458.0	27488.8	21499.8	15209.3	9452.9
12.5°	62909.7	69509.0	75134.1	74898.1	75134.1	69509.0	62909.7	55123.9	41223.9	30325.2	19668.4
10°	108971.9	120477.4	131200.0	132317.1	131200.0	120477.4	108971.9	91452.8	71788.7	52105.6	33228.9
7.5°	151409.7	177318.7	192762.7	196725.1	192762.7	177318.7	151409.7	126915.2	100253.7	74930.3	50727.4
5°	204549.0	234552.8	250784.3	251217.5	250784.3	234552.8	204549.0	163720.2	130120.7	98212.6	66978.4
2.5°	243887.0	277684.1	297614.2	313034.6	297614.2	277684.1	243887.0	196278.1	153483.8	115300.5	78628.4
0°	255586.4	284732.4	317253.9	335335.1	317253.9	284732.4	255586.4	202529.2	158791.7	119371.5	82072.1
-2.5°	239909.8	270425.2	286569.2	301276.5	286569.2	270425.2	239909.8	191702.9	152694.8	115742.2	79236.8
-5°	210128.3	242449.1	257960.1	261271.1	257960.1	242449.1	210128.3	174314.4	139606.7	105838.0	71892.8
-7.5°	167199.5	189948.0	205651.2	211809.8	205651.2	189948.0	167199.5	142939.0	116165.2	87304.4	58120.6
-10°	130856.5	145545.9	153404.2	158629.6	153404.2	145545.9	130856.5	111776.2	91258.8	67491.1	43221.3
-12.5°	98662.0	109280.8	115443.8	118126.5	115443.8	109280.8	98662.0	84342.6	66576.5	48302.9	32091.3
-15°	70227.0	78629.6	82802.8	85459.9	82802.8	78629.6	70227.0	57823.5	45542.4	32787.1	21384.0
-17.5°	48114.8	54871.1	58722.0	61226.5	58722.0	54871.1	48114.8	38781.6	30300.6	21227.6	14342.9
-20°	30785.1	34808.0	37771.2	38634.7	37771.2	34808.0	30785.1	24944.0	19335.3	13616.6	9643.7



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17986.8	20355.4	21847.6	22186.3	21847.6	20355.4	17986.8	14783.5	11461.6	8528.3	6341.6
-25°	9779.8	10811.8	11594.7	11859.9	11594.7	10811.8	9779.8	8395.0	6655.8	5712.4	4742.2
-27.5°	6005.8	6404.8	6693.9	6842.9	6693.9	6404.8	6005.8	5521.5	4828.6	4419.0	3954.8
-30°	4517.3	4699.3	4808.0	4880.7	4808.0	4699.3	4517.3	4268.8	3970.7	3713.8	3456.4
-32.5°	3708.9	3790.4	3839.4	3873.0	3839.4	3790.4	3708.9	3594.0	3432.1	3272.4	3134.8
-35°	3303.6	3356.5	3392.9	3410.8	3392.9	3356.5	3303.6	3230.3	3137.5	3039.0	2932.4
-37.5°	3059.5	3092.9	3117.1	3131.0	3117.1	3092.9	3059.5	3014.6	2954.3	2886.5	2758.4
-40°	2893.1	2916.5	2935.8	2957.5	2935.8	2916.5	2893.1	2859.7	2789.7	2696.1	2548.0
-42.5°	2741.4	2776.0	2793.5	2798.1	2793.5	2776.0	2741.4	2686.9	2578.6	2444.4	2263.4
-45°	2495.9	2592.3	2651.6	2670.6	2651.6	2592.3	2495.9	2373.5	2213.8	2031.0	1826.7
-47.5°	1978.9	2123.2	2232.1	2298.7	2232.1	2123.2	1978.9	1814.9	1636.6	1448.8	1257.4
-50°	1278.7	1309.2	1321.2	1314.0	1321.2	1309.2	1278.7	1245.4	1209.7	1172.1	1136.3
-52.5°	1124.7	1137.0	1147.2	1154.6	1147.2	1137.0	1124.7	1108.8	1088.8	1062.2	1031.9
-55°	1007.0	1020.8	1033.8	1044.9	1033.8	1020.8	1007.0	988.3	964.4	933.4	898.6
-57.5°	858.6	872.6	877.8	876.6	877.8	872.6	858.6	841.0	819.9	794.0	764.0
-60°	720.2	730.1	737.5	742.0	737.5	730.1	720.2	707.4	691.9	671.2	647.1
-62.5°	603.9	612.6	622.2	630.5	622.2	612.6	603.9	592.3	577.5	557.6	533.7
-65°	493.2	502.3	509.6	515.3	509.6	502.3	493.2	482.1	468.9	452.3	431.9
-67.5°	411.9	422.8	430.9	437.4	430.9	422.8	411.9	399.6	385.9	369.0	348.1
-70°	330.5	341.3	347.8	352.4	347.8	341.3	330.5	318.5	305.5	289.4	268.5
-72.5°	232.9	240.7	244.4	246.2	244.4	240.7	232.9	223.5	212.7	198.9	179.9
-75°	117.1	120.9	124.5	127.5	124.5	120.9	117.1	112.6	107.5	101.3	92.8
-77.5°	68.4	72.0	74.3	76.2	74.3	72.0	68.4	64.7	60.9	56.9	51.8
-80°	49.0	51.1	53.1	54.9	53.1	51.1	49.0	46.8	44.4	41.9	38.6
-82.5°	33.4	35.3	36.3	37.2	36.3	35.3	33.4	31.5	29.5	27.5	25.4
-85°	26.4	28.2	29.2	30.1	29.2	28.2	26.4	24.6	22.8	20.9	18.6
-87.5°	21.4	23.1	23.9	24.8	23.9	23.1	21.4	19.8	18.0	16.3	14.5
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	2.2



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.6	14.6	10.6	10.2	9.7	9.3	8.9	8.4	8.0	7.6	7.1
87.5°	2.7	3.1	3.5	4.0	4.4	4.9	5.3	5.3	5.3	5.3	5.3
85°	3.4	3.4	3.5	4.0	4.4	4.9	5.3	5.3	5.3	5.3	5.3
82.5°	3.5	3.5	3.5	4.0	4.4	4.9	5.3	5.5	5.6	5.6	5.6
80°	4.2	4.5	4.6	4.7	4.9	5.1	5.4	5.8	6.3	6.6	6.8
77.5°	4.5	4.9	5.4	5.5	5.6	5.6	5.6	5.9	6.3	6.8	7.1
75°	5.7	5.9	6.4	7.0	7.2	7.1	6.9	6.8	6.8	6.9	7.1
72.5°	10.0	9.9	10.4	11.5	11.9	12.5	12.4	11.5	10.1	8.4	7.1
70°	13.9	14.9	16.9	20.0	22.2	23.1	22.7	21.0	18.1	15.8	12.7
67.5°	14.7	16.6	19.9	23.7	26.7	29.6	32.3	34.5	33.6	30.3	21.9
65°	13.0	15.0	17.4	20.4	24.2	28.9	35.4	39.4	41.5	42.0	34.8
62.5°	10.1	12.1	13.4	15.5	18.3	23.0	30.8	37.8	44.0	45.9	39.1
60°	7.8	8.9	9.8	11.0	12.6	17.0	25.0	33.4	42.3	42.5	39.3
57.5°	6.8	7.5	8.2	8.7	8.9	12.4	18.7	27.2	36.3	36.2	35.1
55°	6.9	7.4	7.9	8.4	8.9	10.3	12.9	18.5	26.0	27.8	27.7
52.5°	7.0	7.6	8.1	8.6	8.9	9.3	10.2	13.3	16.1	19.1	20.4
50°	7.2	7.7	8.2	8.8	9.1	9.0	9.3	10.2	11.7	13.6	14.9
47.5°	8.7	8.7	8.6	9.0	9.6	9.8	9.5	9.3	10.4	10.8	12.1
45°	11.8	11.2	10.2	10.7	10.8	10.9	10.8	11.4	11.0	11.1	10.6
42.5°	25.1	18.7	14.6	15.8	14.9	14.2	13.5	14.6	14.0	12.7	13.6
40°	35.3	38.8	32.9	27.8	25.4	21.0	20.5	19.4	18.6	16.4	18.9
37.5°	43.5	42.5	51.3	53.3	45.0	37.7	32.3	28.1	25.0	25.6	27.1
35°	70.2	67.7	70.5	74.1	72.2	65.9	52.6	41.8	36.4	37.1	37.1
32.5°	112.9	108.4	102.5	102.0	105.9	102.2	86.0	64.4	55.7	52.3	49.2
30°	169.9	160.7	146.6	145.0	152.6	144.3	126.8	111.7	92.4	70.3	63.3
27.5°	263.9	231.5	210.9	217.9	215.8	200.9	187.9	172.6	139.8	105.4	85.2
25°	422.8	360.8	335.8	323.9	301.8	288.7	268.5	241.8	202.8	159.4	139.6
22.5°	649.1	596.3	529.1	459.3	462.7	438.9	374.3	318.4	304.3	304.6	240.7
20°	1180.6	998.3	821.1	796.2	759.6	646.8	514.1	505.4	554.7	509.5	376.5
17.5°	2741.8	1891.0	1515.7	1419.7	1218.1	970.3	926.7	880.6	852.6	763.5	538.7
15°	5289.7	3869.5	2874.7	2346.7	1920.2	1671.8	1547.1	1309.3	1197.0	1046.0	780.3
12.5°	11835.7	7252.3	4413.7	3575.6	2947.3	2492.3	2232.2	1873.9	1588.4	1406.1	1141.5
10°	19914.5	12199.6	7350.3	5198.3	4137.9	3390.9	2868.0	2391.6	2000.9	1790.0	1513.5
7.5°	31110.5	18457.9	10672.5	6815.5	5227.1	4134.8	3386.7	2840.6	2399.1	2164.1	1888.3
5°	40122.4	23293.0	12849.4	8095.0	6173.2	4857.6	3910.5	3246.0	2782.5	2527.5	2256.2
2.5°	45558.9	25909.9	14313.4	9240.9	6995.6	5472.5	4364.5	3552.2	3055.7	2739.2	2443.4
0°	48741.4	27947.1	15756.0	9782.6	7446.8	5828.1	4700.1	3775.6	3270.9	2911.4	2605.0
-2.5°	46753.5	27579.6	15254.8	9458.8	7140.7	5673.5	4653.4	3844.7	3350.7	2970.7	2612.2
-5°	41956.0	23928.8	13523.7	8717.5	6642.6	5327.9	4440.8	3776.1	3331.3	2980.5	2585.8
-7.5°	34702.6	19720.9	11527.7	7819.1	6036.6	4884.3	4116.7	3548.6	3130.3	2824.7	2425.6
-10°	25714.5	15120.1	9395.1	6749.7	5341.2	4407.2	3782.0	3289.9	2925.5	2662.5	2240.7
-12.5°	19318.5	11319.2	7208.4	5577.9	4597.2	3933.0	3467.3	3017.5	2722.7	2498.0	2035.9
-15°	12872.1	8529.4	6091.1	4786.1	3995.2	3518.2	3173.9	2789.2	2570.1	2341.3	1814.9
-17.5°	9476.4	6434.2	4926.4	4117.8	3560.9	3188.7	2904.9	2626.2	2414.6	2143.2	1580.1
-20°	6622.6	5124.9	4237.4	3616.5	3199.3	2920.8	2663.7	2454.7	2242.3	1864.7	1342.2



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5103.9	4359.4	3730.0	3212.4	2893.3	2676.9	2475.0	2284.5	2054.8	1570.9	1109.5
-25°	4245.7	3794.3	3374.5	3019.9	2676.4	2452.0	2302.4	2122.3	1772.3	1293.3	912.0
-27.5°	3648.2	3359.5	3163.4	2840.0	2530.0	2296.1	2138.4	1939.4	1494.7	1082.3	873.2
-30°	3234.6	3084.3	2899.7	2627.3	2365.8	2167.2	2001.6	1641.3	1248.8	918.6	852.5
-32.5°	2970.1	2837.1	2642.8	2397.5	2198.1	2060.5	1744.5	1358.3	1002.7	895.3	823.5
-35°	2800.1	2611.0	2395.0	2225.4	2096.4	1811.7	1463.2	1094.9	932.6	865.9	789.7
-37.5°	2580.3	2379.8	2235.0	2079.9	1818.2	1507.4	1144.9	979.7	906.4	827.2	745.3
-40°	2373.4	2217.2	1990.5	1756.9	1456.8	1128.4	1023.8	960.0	871.6	780.3	694.0
-42.5°	2059.7	1852.9	1610.2	1326.7	1099.2	1056.8	1003.1	916.0	824.0	727.4	640.5
-45°	1601.8	1371.0	1156.3	1112.7	1070.7	1011.0	947.0	853.8	757.5	668.4	584.5
-47.5°	1185.8	1142.5	1105.1	1057.7	996.7	932.9	856.6	772.6	686.2	604.9	538.6
-50°	1100.7	1059.0	1013.7	962.2	896.6	827.5	758.4	688.7	615.1	551.3	488.2
-52.5°	996.6	948.6	896.9	842.0	784.4	723.0	661.2	610.3	553.4	492.2	431.8
-55°	860.4	818.6	773.1	724.4	675.5	630.7	584.7	536.4	484.3	427.5	373.5
-57.5°	730.2	694.7	660.4	624.8	588.2	545.3	500.2	455.3	410.7	360.5	313.9
-60°	620.3	591.3	559.0	524.7	488.7	450.5	412.0	372.7	332.8	299.9	265.9
-62.5°	506.8	476.8	450.4	422.9	391.6	357.2	326.9	301.3	275.0	246.5	213.4
-65°	408.8	382.7	357.0	333.2	308.9	284.3	262.4	238.5	213.2	187.0	157.9
-67.5°	325.2	300.3	278.6	258.5	236.7	212.7	191.3	170.0	151.2	132.4	109.3
-70°	246.5	223.8	203.1	183.4	163.1	144.2	129.0	114.1	98.1	83.6	68.1
-72.5°	160.7	141.6	124.6	110.7	97.5	87.4	77.4	66.9	55.8	44.2	35.6
-75°	83.7	74.0	64.9	57.9	50.2	41.9	37.9	35.9	33.7	31.3	28.5
-77.5°	46.9	42.1	38.1	36.3	34.5	32.6	30.6	28.6	26.7	24.8	23.0
-80°	35.2	31.9	28.9	27.4	26.1	24.8	23.6	22.2	20.8	19.5	18.5
-82.5°	23.2	21.0	18.8	18.3	17.7	17.1	16.5	15.9	15.4	15.1	14.8
-85°	16.3	14.0	11.7	11.6	11.5	11.3	11.1	11.2	11.2	11.2	11.1
-87.5°	12.8	10.9	9.1	9.0	9.0	9.0	8.9	8.8	8.7	8.5	8.4
-90°	2.7	3.1	3.5	4.0	4.4	4.9	5.3	5.3	5.3	5.3	5.3



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.1	7.1	7.1
85°	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	6.7	6.7	6.9	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	7.1	7.1	7.1	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.1
72.5°	7.1	7.1	7.1	7.3	7.6	7.6	7.4	7.1	7.1	7.1	7.1
70°	9.7	7.6	7.1	7.2	7.7	8.2	8.1	7.7	7.1	7.1	7.1
67.5°	14.3	10.9	8.6	7.3	7.3	7.8	8.7	8.4	7.8	7.1	7.1
65°	25.0	16.7	10.4	8.7	7.5	7.3	8.0	8.7	8.4	7.7	7.1
62.5°	32.2	24.6	16.8	11.1	8.3	7.4	7.3	8.2	8.8	8.2	7.4
60°	35.4	28.3	22.6	16.6	10.8	7.5	7.2	7.8	8.5	8.8	7.9
57.5°	32.4	30.2	25.8	21.0	15.3	9.6	7.3	7.7	8.3	8.8	8.4
55°	27.4	26.5	27.2	23.6	18.8	13.1	8.5	7.8	8.2	8.7	8.9
52.5°	20.3	23.3	25.9	25.0	20.8	16.2	11.3	7.9	8.3	8.7	8.9
50°	15.0	19.3	24.2	25.4	22.5	18.0	13.6	9.6	8.4	8.8	9.0
47.5°	13.8	17.5	21.5	25.6	24.1	19.7	15.2	11.1	8.5	8.9	9.1
45°	14.3	17.3	20.3	23.9	25.6	21.0	16.7	12.1	9.4	9.1	9.3
42.5°	15.8	18.5	20.7	22.8	24.5	21.9	18.1	13.3	10.0	9.3	9.5
40°	20.5	20.9	22.0	24.0	23.7	22.5	18.7	14.4	10.3	9.7	9.7
37.5°	26.6	25.6	24.9	27.6	24.6	22.4	18.9	15.5	11.4	10.4	10.0
35°	35.6	32.6	31.1	33.2	29.7	23.0	18.9	16.1	13.3	11.2	10.3
32.5°	45.9	43.8	42.0	39.7	36.7	24.3	19.3	17.7	15.2	12.0	10.7
30°	61.7	64.1	55.4	47.1	44.7	30.8	21.8	19.6	17.2	12.8	11.1
27.5°	96.4	90.7	72.4	58.9	51.8	39.7	27.2	21.9	19.2	14.0	11.8
25°	141.2	126.0	98.6	73.4	59.3	64.4	33.6	24.6	21.1	15.6	12.5
22.5°	195.4	169.2	129.0	89.2	93.5	96.5	47.2	29.7	23.2	17.2	13.2
20°	256.4	219.0	174.1	148.4	136.6	127.2	70.9	35.3	25.5	18.9	13.9
17.5°	333.1	311.8	282.7	225.8	185.8	161.1	98.6	41.3	27.9	20.4	14.5
15°	545.4	454.7	403.2	312.3	238.3	197.5	129.4	47.6	30.3	22.0	15.3
12.5°	801.6	600.4	532.3	405.8	293.4	235.8	162.3	54.1	32.8	23.7	16.3
10°	1075.8	747.8	667.4	504.0	350.0	275.4	196.2	62.0	37.0	25.6	17.3
7.5°	1359.0	895.9	805.4	604.1	406.2	314.8	233.5	73.0	41.6	27.3	18.4
5°	1614.4	1020.7	916.0	689.3	456.7	352.7	269.8	83.9	46.2	29.0	19.4
2.5°	1737.4	1108.1	1003.7	767.8	505.1	389.0	303.3	94.6	50.7	30.5	20.4
0°	1834.7	1191.8	1083.8	839.4	550.8	423.3	332.9	104.5	54.9	31.9	21.3
-2.5°	1844.1	1189.7	1073.1	838.4	567.0	436.9	339.2	119.7	67.5	40.5	25.4
-5°	1825.1	1182.8	1055.3	830.0	579.5	447.8	340.8	133.7	79.5	48.7	29.3
-7.5°	1717.5	1143.5	1020.6	813.6	588.1	455.6	338.5	146.5	90.7	56.3	32.8
-10°	1570.2	1083.9	965.3	776.6	578.5	454.5	332.4	158.0	100.9	63.2	36.0
-12.5°	1398.6	1023.1	909.3	736.9	563.2	446.0	321.8	168.4	110.0	69.1	38.6
-15°	1203.9	961.8	854.6	695.9	545.2	435.9	309.9	177.5	118.4	74.5	40.6
-17.5°	993.7	901.0	802.8	654.8	524.7	424.5	297.5	184.7	125.6	79.6	42.9
-20°	929.9	854.0	754.1	614.9	501.9	412.0	285.3	190.0	131.4	83.4	45.0



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	893.5	816.4	711.2	584.0	480.4	398.7	274.0	193.4	136.0	85.8	46.2
-25°	858.0	778.6	670.1	557.0	462.8	379.6	269.8	194.7	139.1	86.8	46.3
-27.5°	817.5	738.3	629.1	527.8	445.9	363.6	269.9	197.4	140.5	86.1	45.3
-30°	775.6	691.9	593.1	499.6	427.4	344.3	267.5	198.4	139.5	84.7	43.0
-32.5°	741.3	647.1	557.0	477.4	405.0	324.1	257.4	197.4	136.4	82.0	41.4
-35°	699.8	607.2	520.3	453.7	380.7	307.3	243.7	194.6	131.0	77.6	39.3
-37.5°	655.1	567.4	493.0	427.5	355.5	288.2	231.3	181.5	123.4	71.4	36.2
-40°	608.9	529.6	464.6	399.3	331.6	267.0	217.1	165.5	114.5	63.4	32.0
-42.5°	560.5	495.5	431.8	369.8	306.0	249.4	200.8	147.7	100.6	56.4	26.8
-45°	519.9	457.3	395.4	336.7	279.2	230.0	179.3	128.7	85.0	49.2	22.9
-47.5°	475.3	414.3	356.7	301.4	255.3	207.5	155.9	109.9	68.4	40.6	21.8
-50°	425.3	369.2	316.0	269.7	228.1	179.5	131.5	89.9	56.5	30.1	20.4
-52.5°	374.8	322.9	278.3	238.4	195.1	149.6	107.7	69.5	44.0	25.3	18.9
-55°	322.3	280.4	242.6	202.1	159.9	120.6	82.6	54.9	30.9	22.9	17.2
-57.5°	276.9	240.3	201.9	162.7	125.9	91.0	62.3	39.6	25.8	20.5	16.1
-60°	231.3	194.5	158.2	124.8	92.4	65.6	44.8	28.0	23.1	18.3	14.9
-62.5°	180.0	147.4	116.9	87.2	64.5	45.6	29.4	24.8	20.2	16.8	13.6
-65°	131.4	103.7	76.2	59.3	42.3	29.5	25.8	21.6	18.2	15.3	12.5
-67.5°	85.0	67.1	50.1	34.8	28.8	25.5	22.0	19.2	16.5	13.7	11.6
-70°	52.5	37.5	30.6	27.4	24.4	21.6	19.5	17.2	14.6	12.7	10.7
-72.5°	32.1	28.7	25.4	22.6	20.9	19.1	17.2	15.3	13.4	11.6	9.8
-75°	25.6	23.4	21.5	19.7	18.1	16.5	15.2	13.9	12.2	10.5	9.4
-77.5°	21.3	19.7	18.2	16.8	15.6	14.5	13.5	12.6	11.1	10.0	9.3
-80°	17.4	16.2	15.0	13.9	13.1	12.4	11.8	11.2	10.2	9.5	9.1
-82.5°	13.8	12.9	12.1	11.4	11.0	10.6	10.2	9.8	9.3	8.9	8.7
-85°	10.6	10.1	9.8	9.4	9.2	8.9	8.8	8.6	8.5	8.3	8.2
-87.5°	8.3	8.3	8.2	8.1	8.1	8.0	7.9	7.9	7.8	7.7	7.6
-90°	5.3	5.3	5.3	5.3	5.8	6.2	6.7	7.1	7.1	7.1	7.1



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
72.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
70°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
67.5°	7.2	7.1	7.1	7.1	7.1	7.1	7.1
65°	7.2	7.2	7.1	7.1	7.1	7.1	7.1
62.5°	7.3	7.3	7.1	7.1	7.1	7.1	7.1
60°	7.4	7.5	7.1	7.1	7.1	7.1	7.1
57.5°	7.8	7.6	7.3	7.1	7.1	7.1	7.1
55°	8.1	7.8	7.4	7.1	7.1	7.1	7.1
52.5°	8.4	8.0	7.6	7.1	7.2	7.1	7.1
50°	8.7	8.2	7.8	7.1	7.2	7.1	7.1
47.5°	8.9	8.4	8.0	7.1	7.3	7.1	7.1
45°	9.1	8.6	8.3	7.3	7.3	7.1	7.1
42.5°	9.2	8.7	8.5	7.5	7.4	7.1	7.1
40°	9.4	8.8	8.7	7.7	7.4	7.1	7.1
37.5°	9.6	8.9	8.7	7.9	7.5	7.1	7.1
35°	9.9	9.0	8.8	8.1	7.6	7.1	7.1
32.5°	10.1	9.2	8.9	8.2	7.7	7.1	7.1
30°	10.4	9.4	8.9	8.4	7.8	7.1	7.1
27.5°	10.7	9.6	8.9	8.5	7.8	7.1	7.1
25°	11.0	9.8	8.9	8.6	7.9	7.1	7.1
22.5°	11.3	9.9	8.9	8.7	8.0	7.1	7.1
20°	11.7	10.1	8.9	8.7	8.1	7.1	7.1
17.5°	11.9	10.2	8.9	8.8	8.2	7.1	7.1
15°	12.0	10.3	8.9	8.8	8.3	7.1	7.1
12.5°	12.1	10.4	8.9	8.9	8.4	7.1	7.1
10°	12.2	10.5	8.9	8.9	8.5	7.1	7.1
7.5°	12.3	10.5	8.9	8.9	8.6	7.1	7.1
5°	12.4	10.6	8.9	8.9	8.7	7.1	7.1
2.5°	12.4	10.6	8.9	8.9	8.8	7.1	7.1
0°	12.4	10.6	8.9	8.9	8.9	7.1	7.1
-2.5°	14.0	11.0	9.0	8.9	8.9	7.1	7.1
-5°	15.6	11.4	9.2	8.9	8.9	7.1	7.1
-7.5°	17.1	11.7	9.3	8.9	8.9	7.1	7.1
-10°	18.4	12.0	9.5	8.9	8.8	7.1	7.1
-12.5°	19.5	12.2	9.6	8.9	8.8	7.1	7.1
-15°	20.4	12.5	9.7	8.9	8.8	7.1	7.1
-17.5°	21.0	12.6	9.7	8.9	8.7	7.1	7.1
-20°	21.6	12.7	9.8	8.9	8.7	7.1	7.1



REPORT NUMBER: P731460 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.3	12.7	9.8	8.9	8.6	7.1	7.1
-25°	22.4	12.8	9.8	8.9	8.6	7.1	7.1
-27.5°	21.9	12.9	9.8	8.9	8.5	7.1	7.1
-30°	20.8	12.9	9.7	8.9	8.4	7.1	7.1
-32.5°	19.0	12.8	9.7	8.9	8.3	7.1	7.1
-35°	18.3	12.6	9.7	8.9	8.2	7.1	7.1
-37.5°	18.0	12.4	9.6	8.9	8.2	7.1	7.1
-40°	17.5	12.3	9.5	8.9	8.1	7.1	7.1
-42.5°	16.9	12.1	9.5	8.9	8.0	7.1	7.1
-45°	16.1	11.9	9.5	8.9	7.8	7.1	7.1
-47.5°	15.2	11.6	9.5	8.9	7.7	7.1	7.1
-50°	14.6	11.2	9.4	8.8	7.6	7.1	7.1
-52.5°	14.0	10.7	9.3	8.6	7.5	7.1	7.1
-55°	13.3	10.5	9.2	8.5	7.4	7.1	7.1
-57.5°	12.5	10.2	9.1	8.3	7.2	7.1	7.1
-60°	11.6	9.9	8.9	8.1	7.1	7.1	7.1
-62.5°	11.1	9.5	8.7	8.0	7.1	7.1	7.1
-65°	10.4	9.1	8.6	7.8	7.1	7.1	7.1
-67.5°	9.8	8.8	8.4	7.7	7.1	7.1	7.1
-70°	9.0	8.7	8.3	7.5	7.1	7.1	7.1
-72.5°	8.9	8.6	8.1	7.4	7.1	7.1	7.1
-75°	8.9	8.5	8.0	7.4	7.1	7.1	7.1
-77.5°	8.9	8.4	7.8	7.4	7.1	7.1	7.1
-80°	8.9	8.2	7.7	7.3	7.1	7.1	7.1
-82.5°	8.5	8.0	7.6	7.3	7.1	7.1	7.1
-85°	8.0	7.7	7.4	7.2	7.1	7.1	7.1
-87.5°	7.6	7.4	7.3	7.2	7.1	7.1	7.1
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

