

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: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-80-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

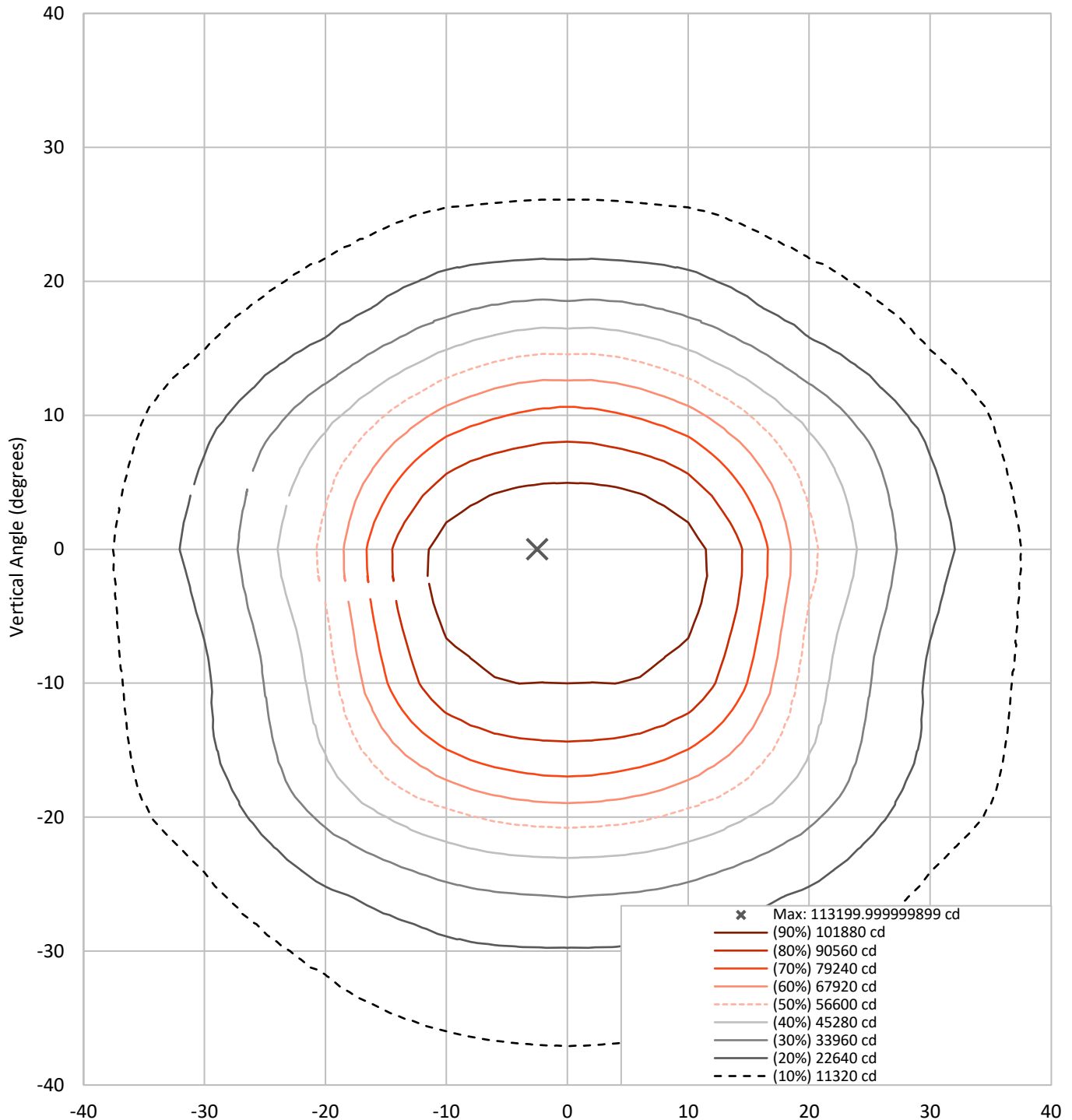
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	55867.3 lumens	Max Intensity:	113200 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	99.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	30728.2 lumens	Field Lumens:	51180.9 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

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

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Iso-Candela Plot





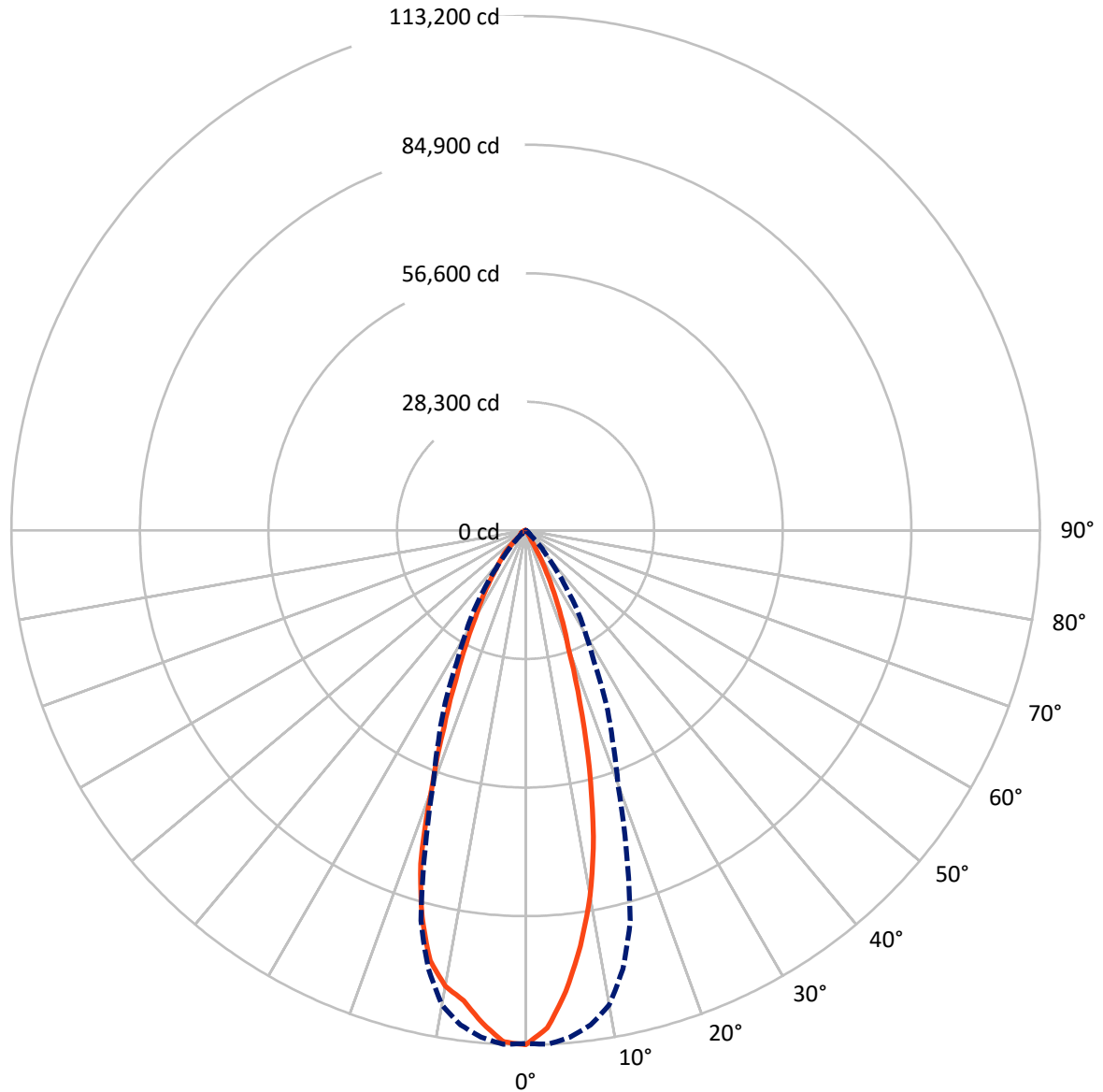
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Lumen Table

90																
80	0.1	0.4		0.5		0.5		0.4		0.5		0.5		0.4	0.1	
70																
60	0.2	0.1	0.1	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.1	0.1	0.2
50		0.1	0.2	0.6	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.6	0.2	0.1	
40	0.2	0.1	0.3	0.5	0.7	0.9	1.4	1.7	1.7	1.4	0.9	0.7	0.5	0.3	0.1	0.2
30		0.2	0.7	1.7	4.5	12.6	21.7	27.7	27.7	21.7	12.6	4.5	1.7	0.7	0.2	
20	0.2	0.3	2.4	8.5	49.6	142.6	289.9	418.5	418.5	289.9	142.6	49.6	8.5	2.4	0.3	0.2
10		0.6	5.3	27.8	176.4	517.1	1059.8	1565.7	1565.7	1059.8	517.1	176.4	27.8	5.3	0.6	
0	0.2	1.2	9.0	60.5	363.0	1036.8	2170.8	2962.7	2962.7	2170.8	1036.8	363.0	60.5	9.0	1.2	0.2
-10		2.1	12.2	73.2	380.1	1061.6	2436.2	3247.0	3247.0	2436.2	1061.6	380.1	73.2	12.2	2.1	
-20	0.3	2.4	12.6	58.8	322.7	874.1	1840.7	2534.8	2534.8	1840.7	874.1	322.7	58.8	12.6	2.4	0.3
-30		2.1	10.3	27.6	161.8	467.7	860.1	1129.4	1129.4	860.1	467.7	161.8	27.6	10.3	2.1	
-40	0.3	1.6	7.1	16.1	47.3	176.2	324.3	423.0	423.0	324.3	176.2	47.3	16.1	7.1	1.6	0.3
-50		0.9	4.3	11.3	20.9	39.1	88.1	133.0	133.0	88.1	39.1	20.9	11.3	4.3	0.9	
-60	0.2	0.5	2.1	6.3	13.3	21.9	30.0	34.8	34.8	30.0	21.9	13.3	6.3	2.1	0.5	0.2
-70		0.2	0.8	2.5	5.5	9.7	14.6	17.5	17.5	14.6	9.7	5.5	2.5	0.8	0.2	
-80																
-90	0.2	0.6		2.0		5.3		7.4		5.3		2.0		0.6	0.2	

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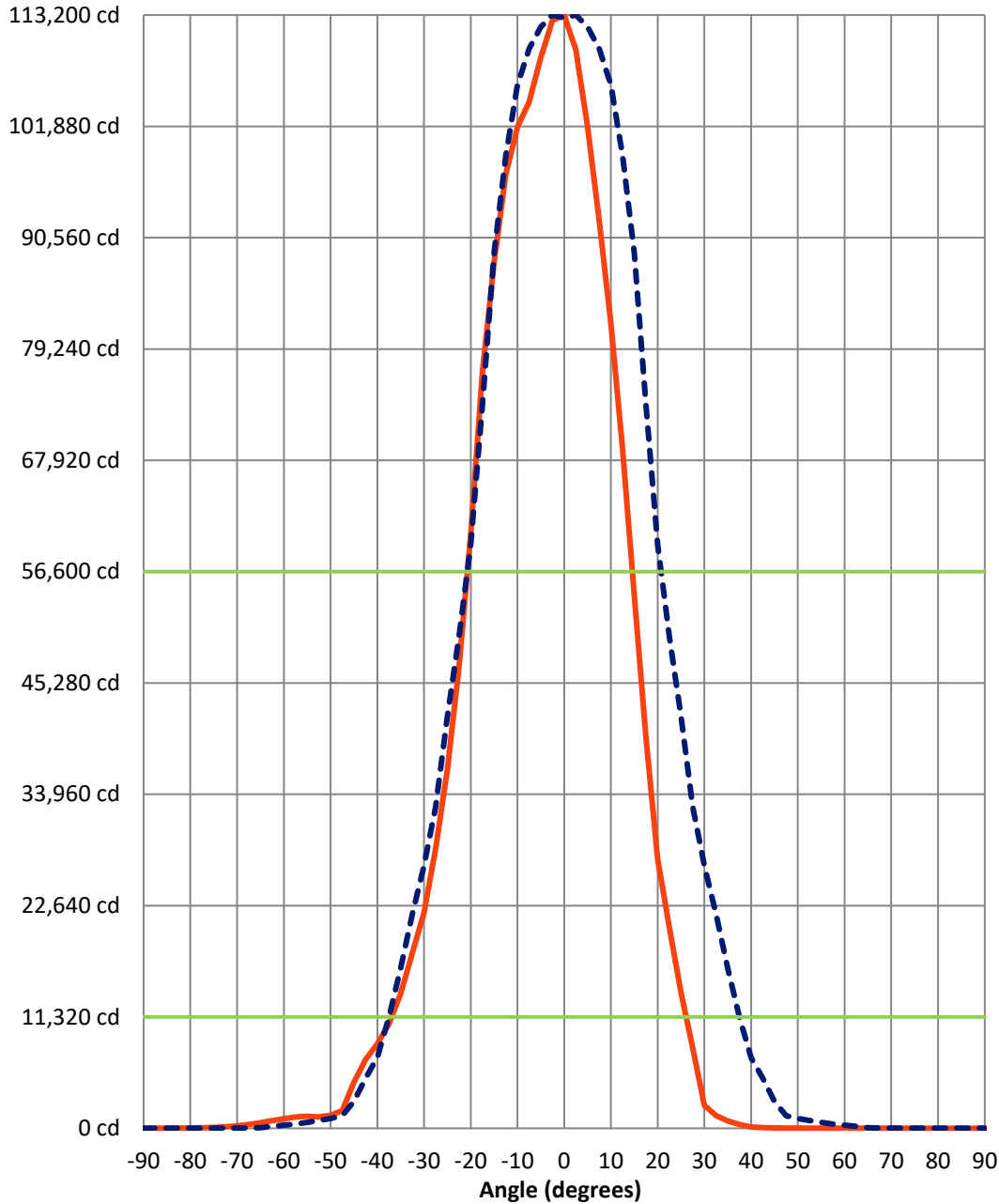
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 30728.2
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 51180.9
 Efficiency: 91.6%

Spill:
 Lumens: 4686.4
 Efficiency: 8.4%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	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	6.7	6.7
72.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.9	7.0	6.8
70°	6.6	6.6	6.6	6.6	6.6	6.6	6.7	7.1	7.3	7.2	7.3
67.5°	6.6	6.6	6.6	6.6	6.6	6.6	7.0	7.5	7.6	7.6	7.8
65°	6.6	6.6	6.6	6.6	6.6	6.8	7.4	7.9	7.8	8.0	8.2
62.5°	6.6	6.6	6.6	6.6	6.6	7.1	7.8	8.1	8.0	8.2	8.2
60°	6.6	6.6	6.6	6.6	6.6	7.4	8.2	8.2	8.2	8.2	8.2
57.5°	6.6	6.6	6.6	6.6	6.8	7.7	8.2	8.2	8.2	8.2	8.2
55°	6.6	6.6	6.6	6.6	7.1	8.0	8.2	8.2	8.2	8.2	8.2
52.5°	6.6	6.6	6.6	6.6	7.3	8.2	8.2	8.2	8.2	8.2	8.2
50°	6.6	6.6	6.6	6.6	7.5	8.2	8.2	8.2	8.2	8.2	8.7
47.5°	6.6	6.6	6.6	6.6	7.7	8.2	8.2	8.2	8.2	8.2	9.3
45°	6.6	6.6	6.6	6.8	7.9	8.2	8.2	8.2	8.3	8.7	9.8
42.5°	6.6	6.6	6.6	6.9	8.1	8.2	8.2	8.3	8.4	9.1	10.3
40°	6.6	6.6	6.6	7.1	8.2	8.2	8.2	8.4	8.6	9.6	10.8
37.5°	6.6	6.6	6.6	7.2	8.2	8.2	8.2	8.6	9.1	10.2	11.2
35°	6.6	6.6	6.6	7.2	8.2	8.2	8.2	8.8	9.6	10.7	11.7
32.5°	6.6	6.6	6.6	7.3	8.2	8.2	8.3	9.0	10.0	11.4	12.5
30°	6.6	6.6	6.6	7.3	8.2	8.2	8.4	9.3	10.5	12.0	13.5
27.5°	6.6	6.6	6.6	7.3	8.1	8.2	8.6	9.6	10.9	12.7	14.6
25°	6.6	6.6	6.6	7.3	8.1	8.2	8.8	10.0	11.5	13.6	15.8
22.5°	6.6	6.6	6.6	7.3	8.1	8.2	9.0	10.3	12.1	14.5	18.6
20°	6.6	6.6	6.6	7.3	8.1	8.2	9.2	10.6	12.6	15.5	21.5
17.5°	6.6	6.6	6.6	7.2	8.1	8.2	9.4	10.9	13.2	16.5	24.3
15°	6.6	6.6	6.6	7.2	8.1	8.2	9.5	11.1	13.8	17.6	27.2
12.5°	6.6	6.6	6.6	7.1	8.1	8.2	9.7	11.2	14.3	18.6	30.0
10°	6.6	6.6	6.6	7.0	8.1	8.2	9.7	11.3	14.8	20.1	33.7
7.5°	6.6	6.6	6.6	6.9	8.2	8.2	9.8	11.4	15.3	21.8	39.8
5°	6.6	6.6	6.6	6.8	8.2	8.2	9.9	11.5	15.7	23.4	46.0
2.5°	6.6	6.6	6.6	6.7	8.2	8.2	9.9	11.5	16.2	25.0	52.0
0°	6.6	6.6	6.6	6.6	8.2	8.2	9.9	11.5	16.5	26.4	57.7
-2.5°	6.6	6.6	6.6	6.7	8.2	8.6	10.5	13.0	20.9	36.2	74.6
-5°	6.6	6.6	6.6	6.8	8.2	8.9	11.2	14.5	25.1	45.5	90.5
-7.5°	6.6	6.6	6.6	6.9	8.2	9.2	11.7	15.9	29.0	54.0	104.9
-10°	6.6	6.6	6.6	7.0	8.1	9.5	12.3	17.2	32.4	61.6	117.4
-12.5°	6.6	6.6	6.6	7.1	8.1	9.8	12.8	18.3	35.1	67.9	126.1
-15°	6.6	6.6	6.6	7.2	8.1	10.0	13.2	19.2	37.8	73.3	132.1
-17.5°	6.6	6.6	6.6	7.2	8.1	10.1	13.5	20.5	40.5	77.3	136.1
-20°	6.6	6.6	6.6	7.3	8.1	10.2	13.9	22.0	42.2	79.8	137.9



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

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	6.6	7.3	8.1	10.2	14.4	23.1	42.8	80.5	137.5
-25°	6.6	6.6	6.6	7.3	8.1	10.1	14.7	23.6	42.4	79.4	134.7
-27.5°	6.6	6.6	6.6	7.3	8.1	10.0	14.7	23.7	40.7	77.4	133.1
-30°	6.6	6.6	6.6	7.3	8.2	9.8	14.5	23.2	39.8	75.5	129.2
-32.5°	6.6	6.6	6.6	7.3	8.3	9.6	13.9	22.8	39.3	71.8	122.7
-35°	6.6	6.6	6.6	7.2	8.4	9.3	13.5	22.2	37.9	66.5	113.6
-37.5°	6.6	6.6	6.6	7.2	8.4	9.1	13.1	21.1	35.7	59.3	100.2
-40°	6.6	6.6	6.6	7.1	8.5	9.1	12.6	19.6	32.6	54.6	87.8
-42.5°	6.6	6.6	6.6	6.9	8.4	9.2	12.0	17.7	29.9	49.0	74.7
-45°	6.6	6.6	6.6	6.8	8.3	9.2	11.2	16.0	27.1	42.8	62.0
-47.5°	6.6	6.6	6.6	6.7	8.1	9.2	10.4	15.0	23.8	36.1	54.5
-50°	6.6	6.6	6.6	6.7	7.9	9.1	10.2	13.8	19.6	31.3	46.5
-52.5°	6.6	6.6	6.6	6.8	7.8	9.1	10.1	12.6	17.2	26.2	38.3
-55°	6.6	6.6	6.6	6.8	7.6	8.9	9.9	11.3	15.4	20.7	31.9
-57.5°	6.6	6.6	6.6	6.8	7.4	8.6	9.8	11.0	13.5	17.7	25.2
-60°	6.6	6.6	6.6	6.8	7.2	8.3	9.5	10.7	11.8	15.3	19.5
-62.5°	6.6	6.6	6.6	6.9	7.2	8.1	9.2	10.3	11.4	12.9	16.7
-65°	6.6	6.6	6.6	6.9	7.3	7.8	8.8	9.9	11.0	12.0	13.8
-67.5°	6.6	6.6	6.6	6.9	7.3	7.7	8.5	9.5	10.5	11.5	12.4
-70°	6.6	6.6	6.6	6.9	7.3	7.7	8.1	9.1	10.0	10.9	11.8
-72.5°	6.6	6.6	6.6	6.9	7.3	7.7	8.1	8.6	9.5	10.4	11.2
-75°	6.6	6.6	6.6	6.9	7.3	7.7	8.1	8.5	9.0	9.8	10.6
-77.5°	6.6	6.6	6.6	6.8	7.3	7.8	8.1	8.4	8.7	9.3	10.0
-80°	6.6	6.6	6.6	6.8	7.1	7.6	8.2	8.3	8.5	8.8	9.3
-82.5°	6.6	6.6	6.6	6.8	7.0	7.4	7.8	8.0	8.2	8.4	8.6
-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



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.6	6.6	6.6	6.6	6.2	5.8	5.3	4.9	4.9	4.9	4.9
87.5°	6.4	6.2	6.0	5.9	5.7	5.4	5.2	4.9	4.5	4.1	3.7
85°	6.6	6.6	6.6	6.6	6.2	5.8	5.3	4.9	4.7	4.5	4.4
82.5°	6.6	6.6	6.6	6.6	6.2	5.8	5.4	4.9	4.9	4.9	4.9
80°	6.6	6.6	6.6	6.6	6.2	5.8	5.4	5.0	4.9	5.0	5.0
77.5°	6.6	6.6	6.6	6.6	6.3	6.0	5.9	5.8	5.8	5.7	5.4
75°	6.6	6.6	6.7	6.7	6.5	6.5	6.6	6.6	6.3	5.9	5.5
72.5°	6.9	7.1	7.0	6.8	6.6	6.6	6.6	6.6	6.8	6.9	6.8
70°	7.5	7.6	7.3	6.9	6.6	6.8	7.5	8.4	9.2	9.1	9.0
67.5°	8.1	7.7	7.3	7.0	7.2	8.0	9.1	10.4	11.7	11.7	12.1
65°	8.2	7.8	7.6	7.7	8.1	9.6	11.1	12.6	16.1	18.3	19.3
62.5°	8.2	8.0	8.0	8.6	9.9	11.5	13.7	17.7	23.2	26.2	25.4
60°	8.2	8.1	8.7	10.0	11.4	13.0	16.6	22.1	29.4	34.6	31.5
57.5°	8.2	8.6	9.8	11.1	12.2	13.7	18.5	25.4	33.9	43.0	37.3
55°	8.4	9.4	10.6	11.8	13.0	14.2	19.3	27.1	36.7	42.2	36.7
52.5°	9.1	10.0	11.2	12.5	13.7	15.0	18.8	26.3	32.0	36.3	33.6
50°	9.7	10.7	11.8	13.1	14.6	16.0	16.7	22.8	27.3	29.2	29.1
47.5°	10.3	11.3	12.4	13.9	15.8	17.0	16.9	20.0	23.3	25.4	23.7
45°	10.9	12.0	13.1	15.2	17.1	18.2	19.2	18.4	23.8	25.3	24.2
42.5°	11.4	12.6	14.6	16.5	19.0	21.7	23.2	25.1	27.8	30.3	29.7
40°	12.0	13.2	16.5	20.4	22.2	27.2	32.2	35.2	36.3	38.6	38.6
37.5°	12.5	15.3	20.4	28.6	28.6	36.2	43.2	50.2	52.3	48.4	54.9
35°	13.0	17.6	30.9	40.7	42.3	48.0	59.6	70.3	76.7	73.0	79.0
32.5°	14.5	20.1	44.5	54.8	65.0	70.2	78.5	101.5	123.7	130.5	118.7
30°	17.1	32.6	60.0	70.3	94.5	110.4	115.3	146.3	192.7	233.2	313.1
27.5°	20.3	47.9	74.6	96.4	131.2	159.8	172.3	223.0	302.2	409.1	638.9
25°	23.8	64.0	90.0	129.6	179.3	212.5	232.9	304.5	437.4	778.5	1208.1
22.5°	32.2	80.3	109.5	166.6	233.5	262.4	305.5	403.0	626.1	1193.1	1905.7
20°	45.3	95.8	137.2	203.1	291.7	310.0	372.5	497.5	884.3	1743.3	2599.4
17.5°	58.2	113.2	167.6	246.2	336.4	373.4	437.4	583.7	1101.0	2432.6	3500.0
15°	70.6	132.2	196.3	290.0	388.7	461.6	559.7	777.4	1515.1	3249.0	4692.2
12.5°	82.5	152.1	223.1	333.5	449.2	555.2	700.0	1093.4	2253.8	4202.6	6356.7
10°	93.5	172.4	248.0	376.0	515.5	652.2	845.2	1439.1	3000.3	5032.6	7674.6
7.5°	119.1	203.3	275.8	416.6	584.9	750.3	991.8	1798.8	3674.1	5734.9	8776.0
5°	147.6	244.9	329.0	480.2	657.9	842.6	1126.2	2155.1	4264.8	6313.4	9767.9
2.5°	175.4	285.2	380.9	543.5	727.9	922.9	1209.3	2465.7	4728.3	6802.9	10624.0
0°	201.3	323.3	430.6	602.1	791.8	996.4	1280.1	2736.8	5081.0	7199.1	11298.6
-2.5°	233.0	364.1	485.7	657.8	813.3	998.6	1281.2	2636.7	5157.7	7573.5	11045.5
-5°	260.3	401.3	536.7	708.5	832.4	995.5	1270.9	2483.8	5115.4	7774.1	10841.5
-7.5°	282.3	434.3	582.8	748.8	850.1	1005.8	1295.7	2517.5	5044.9	7774.1	10713.6
-10°	295.1	443.8	583.2	746.7	861.5	1018.8	1312.6	2458.0	4829.9	7613.1	10453.4
-12.5°	283.7	432.1	571.1	736.9	868.7	1021.4	1307.2	2289.7	4467.5	7284.9	10128.7
-15°	270.2	418.0	554.0	719.0	871.4	1012.5	1276.7	2001.3	3873.5	6578.1	9737.1
-17.5°	255.2	402.0	531.7	692.2	869.2	991.2	1202.4	1545.0	3104.7	5590.6	8838.6
-20°	239.2	384.2	503.9	656.0	857.3	942.1	1089.6	1370.6	2449.5	4483.5	7425.7



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	222.7	364.9	474.9	620.3	788.0	882.8	984.2	1186.5	1731.8	3239.1	5599.0
-25°	213.4	340.6	449.7	573.2	716.9	827.5	878.1	1005.5	1278.5	2377.8	4087.7
-27.5°	209.1	317.5	418.6	524.7	652.1	769.6	806.7	889.1	1093.1	1533.9	2761.4
-30°	201.8	286.1	384.5	478.3	595.3	700.0	754.4	806.5	936.8	1175.1	1855.0
-32.5°	185.8	254.2	347.6	438.3	539.3	640.9	722.7	772.7	854.7	979.2	1204.7
-35°	166.1	230.6	310.2	395.2	484.1	586.0	678.3	751.6	791.3	877.1	1028.0
-37.5°	148.1	205.1	272.6	351.5	434.4	528.8	630.3	710.3	768.6	809.6	917.9
-40°	129.1	177.6	240.6	310.6	385.2	471.5	564.9	657.9	731.7	793.1	841.2
-42.5°	109.7	155.5	208.7	270.4	341.0	416.6	496.8	588.0	679.7	759.5	820.2
-45°	94.6	132.5	176.4	235.4	297.6	363.7	436.3	511.8	610.2	700.7	776.2
-47.5°	79.0	110.4	150.7	199.7	256.8	315.6	376.8	452.4	534.1	623.4	709.7
-50°	64.6	92.7	125.0	169.2	218.1	270.0	324.5	393.6	468.9	545.0	623.9
-52.5°	55.2	74.5	104.4	139.1	182.3	228.6	278.9	337.8	404.6	474.2	544.1
-55°	45.2	62.1	84.2	113.4	147.3	188.9	236.1	287.3	339.7	403.2	465.9
-57.5°	36.5	50.8	68.3	90.0	118.0	149.2	193.0	238.6	286.6	335.7	387.9
-60°	28.3	40.2	55.0	71.9	91.1	118.7	150.0	189.3	232.1	275.1	319.1
-62.5°	20.7	30.3	42.4	56.4	72.4	89.7	114.9	144.6	176.6	212.5	249.3
-65°	17.4	21.6	30.3	42.0	54.8	69.8	86.3	103.9	129.9	155.5	181.0
-67.5°	13.9	17.5	21.6	27.4	38.2	50.2	62.8	77.7	93.4	107.7	124.4
-70°	12.7	13.6	16.6	20.3	24.6	31.1	41.7	52.8	64.0	74.8	87.0
-72.5°	11.9	12.6	13.4	14.5	17.7	21.6	25.9	30.7	37.9	46.5	55.0
-75°	11.1	11.5	12.0	12.8	13.7	14.8	16.3	19.8	23.6	27.3	30.9
-77.5°	10.4	10.7	11.0	11.3	11.6	12.3	13.1	14.0	15.3	16.8	18.4
-80°	9.6	9.9	10.1	10.4	10.4	10.5	10.6	10.9	11.3	11.9	12.7
-82.5°	8.8	9.0	9.2	9.4	9.2	9.0	8.7	8.6	8.9	9.2	9.4
-85°	8.1	8.2	8.3	8.4	8.2	7.9	7.6	7.3	7.4	7.5	7.5
-87.5°	7.3	7.4	7.5	7.5	7.2	6.8	6.5	6.1	6.2	6.2	6.2
-90°	6.2	5.8	5.3	4.9	4.9	4.9	4.9	4.9	4.5	4.1	3.7



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.9	4.9	4.9	4.9	4.9	5.3	5.8	6.2	6.6	7.4	8.2
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	2.5
85°	4.3	4.1	3.9	3.6	3.3	3.3	3.3	3.3	3.3	2.9	2.5
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°	4.9	4.7	4.5	4.4	4.3	4.2	3.9	3.7	3.3	2.9	2.5
77.5°	5.0	4.9	4.9	4.9	4.9	4.6	4.2	3.8	3.4	2.9	2.5
75°	5.1	5.0	5.1	5.1	5.0	4.8	4.6	4.6	4.6	4.3	4.0
72.5°	6.5	6.2	6.1	5.9	5.7	5.6	5.5	5.3	5.0	4.8	4.8
70°	8.8	8.7	8.5	8.2	7.9	7.5	7.3	6.9	6.4	6.3	6.4
67.5°	13.0	13.2	13.1	12.5	11.2	10.1	9.4	8.8	8.1	8.0	8.6
65°	19.0	16.6	15.1	13.8	12.6	11.7	11.1	10.4	9.8	10.0	11.4
62.5°	22.6	17.7	15.1	14.1	13.6	13.0	12.1	11.4	11.1	11.4	12.6
60°	26.3	19.0	14.2	13.3	12.4	11.6	11.5	11.5	11.5	11.6	12.2
57.5°	28.1	19.5	13.1	12.6	12.2	11.7	11.7	11.8	11.7	11.5	12.0
55°	27.5	19.6	13.5	12.9	12.8	12.9	13.0	12.3	11.8	11.5	12.0
52.5°	25.1	18.9	14.5	13.3	13.2	12.6	11.6	12.1	12.8	13.4	14.0
50°	22.3	17.8	15.5	14.4	14.4	14.5	14.5	15.4	16.2	16.7	17.4
47.5°	20.5	17.8	17.7	17.4	17.8	18.8	19.2	20.1	22.6	23.8	24.4
45°	20.7	21.9	22.8	23.6	23.6	28.2	31.6	33.4	35.6	37.6	39.3
42.5°	27.9	31.1	34.0	38.3	40.9	48.7	52.7	47.7	58.2	67.3	69.5
40°	42.8	47.4	57.6	68.9	82.5	88.3	115.8	117.0	128.9	158.7	168.3
37.5°	65.1	78.3	113.6	143.5	190.9	219.0	253.9	287.4	314.4	342.0	360.9
35°	101.4	168.9	222.1	315.2	378.9	411.1	452.6	502.1	523.1	610.1	676.6
32.5°	216.8	337.9	482.2	556.6	640.2	704.1	695.2	901.2	980.6	1111.3	1217.6
30°	400.6	689.9	1077.4	1077.5	1062.5	1414.8	1543.8	1809.8	2082.7	2264.5	2699.0
27.5°	926.1	1540.1	2153.8	2166.2	2432.1	3167.9	3586.9	3712.8	4896.6	5656.8	6693.7
25°	1706.6	2717.1	3563.8	3957.8	4747.5	5946.2	6655.8	7501.9	9268.7	11281.9	12552.8
22.5°	2541.7	3618.6	4890.9	5788.1	7301.7	8843.6	10134.1	12001.1	14375.7	16622.2	18142.1
20°	3170.4	4435.5	6232.5	8117.1	10034.5	11967.6	13972.1	16537.6	19752.1	22487.6	24960.0
17.5°	4452.1	5789.8	8221.8	10785.1	13387.6	15452.8	18618.5	21695.3	25611.6	29581.0	32655.5
15°	6348.8	8505.0	10938.2	14263.3	17923.6	21083.9	24440.4	29840.1	34604.3	39706.1	44264.5
12.5°	8782.7	11640.4	14864.8	18688.8	23486.2	28445.8	33564.8	39264.2	45495.6	51623.8	58129.1
10°	11055.2	14982.7	19145.8	23851.0	29340.9	35604.1	41858.8	48316.5	56975.7	64823.7	71780.0
7.5°	12624.2	17249.9	22359.4	28110.5	34886.8	41548.3	48613.5	57394.1	67510.1	76409.2	83538.2
5°	14033.2	19274.9	24376.7	30190.6	38068.9	45683.0	54031.1	64718.2	76233.9	85992.9	93097.6
2.5°	15259.9	20900.5	25855.1	31712.2	40362.1	48284.0	57399.9	70136.6	83551.9	93327.1	100823.5
0°	16269.0	21773.9	26691.6	32724.4	41870.1	50029.4	59381.3	73545.4	88987.9	98862.7	106068.5
-2.5°	15292.0	20285.9	25140.1	31250.5	40467.0	48823.2	58931.0	73338.2	88493.3	99144.0	106584.2
-5°	14554.1	19114.5	23722.6	29768.9	37875.2	45623.5	55108.4	69925.3	85876.5	96638.1	104166.4
-7.5°	13982.2	17962.2	22151.8	27719.3	35134.8	43351.5	53521.2	67817.1	82889.9	93774.0	100595.4
-10°	13358.7	16777.8	21343.9	26955.5	34166.6	41999.9	51034.4	64258.8	79488.3	89960.4	97949.8
-12.5°	13168.8	16779.0	21378.2	26250.6	32883.6	40406.1	49019.7	60284.0	71957.2	82938.4	89944.8
-15°	12862.5	16526.2	21027.3	25609.9	31623.4	38868.2	46058.7	54383.2	64139.9	72074.6	79393.7
-17.5°	12262.1	15782.6	19165.3	23447.4	29300.1	36016.6	41464.9	48011.6	55050.9	61101.4	66622.1
-20°	10824.6	13218.8	16424.8	20462.9	25478.5	30917.1	35877.7	40601.0	45124.8	49734.2	52927.4



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8282.8	10581.9	13270.0	16624.2	20600.3	25339.9	29723.7	32922.8	36521.2	39840.3	42569.2
-25°	6057.1	7741.6	10250.5	13112.7	15707.5	19503.7	22867.9	25028.4	28187.0	30668.2	33030.4
-27.5°	4380.3	6030.0	8075.9	10337.5	12283.0	14322.4	17292.2	19355.3	21839.5	23742.1	25712.3
-30°	2989.7	4806.4	6691.9	8541.9	10022.0	11562.7	13208.4	15243.5	17237.8	18836.3	20259.6
-32.5°	2073.7	3390.0	5232.7	6956.3	8294.0	9468.7	10550.2	12096.1	13588.5	14889.6	15956.4
-35°	1270.4	2204.0	3480.2	5121.5	6535.6	7664.5	8661.8	9646.5	10601.3	11580.2	12404.9
-37.5°	1074.8	1297.7	2092.9	3223.0	4570.0	5826.4	6803.4	7616.5	8337.2	9082.1	9668.6
-40°	949.9	1083.1	1282.7	1696.1	2732.2	3776.7	4830.0	5705.1	6497.7	7158.3	7671.8
-42.5°	867.4	956.6	1053.8	1215.9	1408.0	1919.9	2825.8	3709.0	4568.7	5289.7	5894.0
-45°	841.8	886.6	939.2	1025.9	1105.5	1261.2	1429.4	1603.6	2287.1	3012.3	3651.4
-47.5°	783.6	855.4	903.0	940.3	984.6	1055.1	1119.7	1201.9	1358.9	1514.6	1641.9
-50°	706.4	784.8	850.7	914.6	959.7	990.4	1014.0	1056.6	1119.2	1180.0	1229.1
-52.5°	612.9	688.9	765.5	843.1	907.2	966.5	1022.2	1060.8	1090.0	1114.9	1127.7
-55°	527.9	591.4	655.5	733.6	811.0	885.4	956.8	1017.6	1074.4	1127.4	1157.4
-57.5°	444.8	499.6	556.7	626.5	695.3	762.8	832.1	902.3	971.0	1035.1	1072.3
-60°	365.6	414.2	465.9	522.2	582.0	644.4	704.0	763.5	822.5	874.8	905.6
-62.5°	288.1	329.0	371.0	415.6	462.5	511.7	561.2	611.3	661.2	703.2	729.1
-65°	209.3	242.6	274.7	307.3	340.2	377.5	416.7	454.9	491.7	520.6	539.4
-67.5°	146.4	167.9	187.6	206.8	230.1	256.6	284.8	312.2	338.6	358.5	371.9
-70°	99.4	111.3	122.2	134.7	150.0	165.8	182.4	198.3	213.4	224.9	233.8
-72.5°	63.5	71.4	79.1	87.7	96.0	105.0	114.6	123.6	132.0	138.0	142.7
-75°	34.3	38.5	44.8	50.7	56.2	62.8	69.6	75.9	81.8	85.0	87.1
-77.5°	21.0	23.8	26.6	29.1	31.6	35.2	39.1	43.1	47.0	48.9	50.2
-80°	13.7	15.0	16.4	17.9	19.3	21.4	23.6	25.8	28.0	28.7	29.1
-82.5°	9.7	10.1	10.7	11.2	11.8	13.1	14.5	15.9	17.4	18.4	19.4
-85°	7.6	7.7	7.8	7.8	7.9	8.6	9.4	10.3	11.1	11.7	12.2
-87.5°	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.6	6.6	7.0	7.4
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	2.5



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.1	9.9	9.1	8.2	9.1	9.9	9.1	8.2	7.4	6.6	6.2
87.5°	2.0	1.6	0.8	0.0	0.8	1.6	2.0	2.5	2.9	3.3	3.3
85°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.5	2.9	3.3	3.3
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°	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	2.4	3.3	2.4	1.6	2.1	2.5	2.9	3.4	3.8
75°	3.7	3.3	3.3	3.3	3.3	3.3	3.7	4.0	4.3	4.6	4.6
72.5°	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	5.0	5.3
70°	6.5	6.5	6.6	6.6	6.6	6.5	6.5	6.4	6.3	6.4	6.9
67.5°	9.1	9.7	9.9	9.9	9.9	9.7	9.1	8.6	8.0	8.1	8.8
65°	12.8	14.4	14.0	13.2	14.0	14.4	12.8	11.4	10.0	9.8	10.4
62.5°	13.6	14.6	14.8	14.8	14.8	14.6	13.6	12.6	11.4	11.1	11.4
60°	12.7	13.1	13.2	13.2	13.2	13.1	12.7	12.2	11.6	11.5	11.5
57.5°	12.5	13.0	13.2	13.2	13.2	13.0	12.5	12.0	11.5	11.7	11.8
55°	12.5	13.0	13.2	13.2	13.2	13.0	12.5	12.0	11.5	11.8	12.3
52.5°	14.4	14.7	14.8	14.8	14.8	14.7	14.4	14.0	13.4	12.8	12.1
50°	18.3	19.2	18.6	16.5	18.6	19.2	18.3	17.4	16.7	16.2	15.4
47.5°	24.4	23.6	23.0	23.1	23.0	23.6	24.4	24.4	23.8	22.6	20.1
45°	39.9	39.5	39.2	39.6	39.2	39.5	39.9	39.3	37.6	35.6	33.4
42.5°	71.9	72.1	71.0	69.3	71.0	72.1	71.9	69.5	67.3	58.2	47.7
40°	167.9	153.9	134.8	123.7	134.8	153.9	167.9	168.3	158.7	128.9	117.0
37.5°	378.2	389.2	390.2	382.7	390.2	389.2	378.2	360.9	342.0	314.4	287.4
35°	718.6	744.3	745.7	732.5	745.7	744.3	718.6	676.6	610.1	523.1	502.1
32.5°	1216.0	1273.8	1295.5	1290.0	1295.5	1273.8	1216.0	1217.6	1111.3	980.6	901.2
30°	2496.9	2514.3	2336.5	2010.9	2336.5	2514.3	2496.9	2699.0	2264.5	2082.7	1809.8
27.5°	7256.2	7925.9	8168.9	8061.9	8168.9	7925.9	7256.2	6693.7	5656.8	4896.6	3712.8
25°	12917.8	13359.1	13799.5	13850.6	13799.5	13359.1	12917.8	12552.8	11281.9	9268.7	7501.9
22.5°	19194.8	19821.9	20417.1	20281.0	20417.1	19821.9	19194.8	18142.1	16622.2	14375.7	12001.1
20°	26530.3	26962.8	27402.1	26915.9	27402.1	26962.8	26530.3	24960.0	22487.6	19752.1	16537.6
17.5°	35876.0	37912.4	39720.0	38902.4	39720.0	37912.4	35876.0	32655.5	29581.0	25611.6	21695.3
15°	48556.5	52100.7	54179.4	54069.4	54179.4	52100.7	48556.5	44264.5	39706.1	34604.3	29840.1
12.5°	63168.8	66872.6	68994.0	68555.1	68994.0	66872.6	63168.8	58129.1	51623.8	45495.6	39264.2
10°	76352.3	79260.8	81781.3	82768.6	81781.3	79260.8	76352.3	71780.0	64823.7	56975.7	48316.5
7.5°	87996.7	90163.7	92266.1	92641.9	92266.1	90163.7	87996.7	83538.2	76409.2	67510.1	57394.1
5°	97582.4	100652.4	101840.9	102312.2	101840.9	100652.4	97582.4	93097.6	85992.9	76233.9	64718.2
2.5°	105318.7	108127.0	109613.6	109174.8	109613.6	108127.0	105318.7	100823.5	93327.1	83551.9	70136.6
0°	109762.9	111985.8	113200.0	112909.7	113200.0	111985.8	109762.9	106068.5	98862.7	88987.9	73545.4
-2.5°	110200.9	111695.7	112645.4	112272.9	112645.4	111695.7	110200.9	106584.2	99144.0	88493.3	73338.2
-5°	107170.2	108386.6	108885.6	109098.9	108885.6	108386.6	107170.2	104166.4	96638.1	85876.5	69925.3
-7.5°	102994.4	104628.3	104379.9	104809.8	104379.9	104628.3	102994.4	100595.4	93774.0	82889.9	67817.1
-10°	100507.3	102015.3	101796.9	101913.0	101796.9	102015.3	100507.3	97949.8	89960.4	79488.3	64258.8
-12.5°	94472.7	96662.2	96998.3	97375.6	96998.3	96662.2	94472.7	89944.8	82938.4	71957.2	60284.0
-15°	84197.8	86603.7	88058.3	88385.7	88058.3	86603.7	84197.8	79393.7	72074.6	64139.9	54383.2
-17.5°	71212.0	74539.3	76878.4	77422.1	76878.4	74539.3	71212.0	66622.1	61101.4	55050.9	48011.6
-20°	56827.0	59208.7	60420.6	61073.9	60420.6	59208.7	56827.0	52927.4	49734.2	45124.8	40601.0



REPORT NUMBER: P731491 (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°	44728.0	46300.9	46976.1	47086.4	46976.1	46300.9	44728.0	42569.2	39840.3	36521.2	32922.8
-25°	34943.2	36015.3	36474.8	37153.8	36474.8	36015.3	34943.2	33030.4	30668.2	28187.0	25028.4
-27.5°	27117.2	28059.9	28480.2	29105.0	28480.2	28059.9	27117.2	25712.3	23742.1	21839.5	19355.3
-30°	21219.7	21787.6	21929.3	21960.3	21929.3	21787.6	21219.7	20259.6	18836.3	17237.8	15243.5
-32.5°	16784.8	17424.4	17806.2	17976.4	17806.2	17424.4	16784.8	15956.4	14889.6	13588.5	12096.1
-35°	13022.6	13444.1	13695.1	13977.6	13695.1	13444.1	13022.6	12404.9	11580.2	10601.3	9646.5
-37.5°	10124.7	10437.3	10610.2	10668.4	10610.2	10437.3	10124.7	9668.6	9082.1	8337.2	7616.5
-40°	8081.5	8391.9	8578.2	8606.3	8578.2	8391.9	8081.5	7671.8	7158.3	6497.7	5705.1
-42.5°	6353.1	6739.9	6990.0	7047.4	6990.0	6739.9	6353.1	5894.0	5289.7	4568.7	3709.0
-45°	4118.7	4478.7	4669.2	4657.0	4669.2	4478.7	4118.7	3651.4	3012.3	2287.1	1603.6
-47.5°	1723.2	1781.2	1806.1	1798.1	1806.1	1781.2	1723.2	1641.9	1514.6	1358.9	1201.9
-50°	1267.9	1300.8	1318.9	1323.0	1318.9	1300.8	1267.9	1229.1	1180.0	1119.2	1056.6
-52.5°	1138.6	1150.7	1154.9	1154.8	1154.9	1150.7	1138.6	1127.7	1114.9	1090.0	1060.8
-55°	1185.4	1212.0	1222.3	1222.4	1222.3	1212.0	1185.4	1157.4	1127.4	1074.4	1017.6
-57.5°	1106.0	1135.9	1149.6	1153.1	1149.6	1135.9	1106.0	1072.3	1035.1	971.0	902.3
-60°	933.2	957.1	967.6	970.0	967.6	957.1	933.2	905.6	874.8	822.5	763.5
-62.5°	751.3	769.5	775.1	773.7	775.1	769.5	751.3	729.1	703.2	661.2	611.3
-65°	555.2	567.7	568.7	564.2	568.7	567.7	555.2	539.4	520.6	491.7	454.9
-67.5°	382.5	390.5	390.8	387.7	390.8	390.5	382.5	371.9	358.5	338.6	312.2
-70°	241.3	247.3	247.7	245.8	247.7	247.3	241.3	233.8	224.9	213.4	198.3
-72.5°	146.7	150.0	152.9	155.1	152.9	150.0	146.7	142.7	138.0	132.0	123.6
-75°	88.7	89.8	89.7	89.1	89.7	89.8	88.7	87.1	85.0	81.8	75.9
-77.5°	51.4	52.3	54.3	56.1	54.3	52.3	51.4	50.2	48.9	47.0	43.1
-80°	29.4	29.6	30.5	31.3	30.5	29.6	29.4	29.1	28.7	28.0	25.8
-82.5°	20.4	21.3	21.4	21.4	21.4	21.3	20.4	19.4	18.4	17.4	15.9
-85°	12.7	13.2	14.0	14.8	14.0	13.2	12.7	12.2	11.7	11.1	10.3
-87.5°	7.8	8.2	8.2	8.2	8.2	8.2	7.8	7.4	7.0	6.6	6.6
-90°	2.0	1.6	0.8	0.0	0.8	1.6	2.0	2.5	2.9	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.8	5.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.1	4.5	4.9
85°	3.3	3.3	3.3	3.6	3.9	4.1	4.3	4.4	4.5	4.7	4.9
82.5°	3.3	3.3	3.3	3.7	4.1	4.5	4.9	4.9	4.9	4.9	4.9
80°	3.9	4.2	4.3	4.4	4.5	4.7	4.9	5.0	5.0	4.9	5.0
77.5°	4.2	4.6	4.9	4.9	4.9	4.9	5.0	5.4	5.7	5.8	5.8
75°	4.6	4.8	5.0	5.1	5.1	5.0	5.1	5.5	5.9	6.3	6.6
72.5°	5.5	5.6	5.7	5.9	6.1	6.2	6.5	6.8	6.9	6.8	6.6
70°	7.3	7.5	7.9	8.2	8.5	8.7	8.8	9.0	9.1	9.2	8.4
67.5°	9.4	10.1	11.2	12.5	13.1	13.2	13.0	12.1	11.7	11.7	10.4
65°	11.1	11.7	12.6	13.8	15.1	16.6	19.0	19.3	18.3	16.1	12.6
62.5°	12.1	13.0	13.6	14.1	15.1	17.7	22.6	25.4	26.2	23.2	17.7
60°	11.5	11.6	12.4	13.3	14.2	19.0	26.3	31.5	34.6	29.4	22.1
57.5°	11.7	11.7	12.2	12.6	13.1	19.5	28.1	37.3	43.0	33.9	25.4
55°	13.0	12.9	12.8	12.9	13.5	19.6	27.5	36.7	42.2	36.7	27.1
52.5°	11.6	12.6	13.2	13.3	14.5	18.9	25.1	33.6	36.3	32.0	26.3
50°	14.5	14.5	14.4	14.4	15.5	17.8	22.3	29.1	29.2	27.3	22.8
47.5°	19.2	18.8	17.8	17.4	17.7	17.8	20.5	23.7	25.4	23.3	20.0
45°	31.6	28.2	23.6	23.6	22.8	21.9	20.7	24.2	25.3	23.8	18.4
42.5°	52.7	48.7	40.9	38.3	34.0	31.1	27.9	29.7	30.3	27.8	25.1
40°	115.8	88.3	82.5	68.9	57.6	47.4	42.8	38.6	38.6	36.3	35.2
37.5°	253.9	219.0	190.9	143.5	113.6	78.3	65.1	54.9	48.4	52.3	50.2
35°	452.6	411.1	378.9	315.2	222.1	168.9	101.4	79.0	73.0	76.7	70.3
32.5°	695.2	704.1	640.2	556.6	482.2	337.9	216.8	118.7	130.5	123.7	101.5
30°	1543.8	1414.8	1062.5	1077.5	1077.4	689.9	400.6	313.1	233.2	192.7	146.3
27.5°	3586.9	3167.9	2432.1	2166.2	2153.8	1540.1	926.1	638.9	409.1	302.2	223.0
25°	6655.8	5946.2	4747.5	3957.8	3563.8	2717.1	1706.6	1208.1	778.5	437.4	304.5
22.5°	10134.1	8843.6	7301.7	5788.1	4890.9	3618.6	2541.7	1905.7	1193.1	626.1	403.0
20°	13972.1	11967.6	10034.5	8117.1	6232.5	4435.5	3170.4	2599.4	1743.3	884.3	497.5
17.5°	18618.5	15452.8	13387.6	10785.1	8221.8	5789.8	4452.1	3500.0	2432.6	1101.0	583.7
15°	24440.4	21083.9	17923.6	14263.3	10938.2	8505.0	6348.8	4692.2	3249.0	1515.1	777.4
12.5°	33564.8	28445.8	23486.2	18688.8	14864.8	11640.4	8782.7	6356.7	4202.6	2253.8	1093.4
10°	41858.8	35604.1	29340.9	23851.0	19145.8	14982.7	11055.2	7674.6	5032.6	3000.3	1439.1
7.5°	48613.5	41548.3	34886.8	28110.5	22359.4	17249.9	12624.2	8776.0	5734.9	3674.1	1798.8
5°	54031.1	45683.0	38068.9	30190.6	24376.7	19274.9	14033.2	9767.9	6313.4	4264.8	2155.1
2.5°	57399.9	48284.0	40362.1	31712.2	25855.1	20900.5	15259.9	10624.0	6802.9	4728.3	2465.7
0°	59381.3	50029.4	41870.1	32724.4	26691.6	21773.9	16269.0	11298.6	7199.1	5081.0	2736.8
-2.5°	58931.0	48823.2	40467.0	31250.5	25140.1	20285.9	15292.0	11045.5	7573.5	5157.7	2636.7
-5°	55108.4	45623.5	37875.2	29768.9	23722.6	19114.5	14554.1	10841.5	7774.1	5115.4	2483.8
-7.5°	53521.2	43351.5	35134.8	27719.3	22151.8	17962.2	13982.2	10713.6	7774.1	5044.9	2517.5
-10°	51034.4	41999.9	34166.6	26955.5	21343.9	16777.8	13358.7	10453.4	7613.1	4829.9	2458.0
-12.5°	49019.7	40406.1	32883.6	26250.6	21378.2	16779.0	13168.8	10128.7	7284.9	4467.5	2289.7
-15°	46058.7	38868.2	31623.4	25609.9	21027.3	16526.2	12862.5	9737.1	6578.1	3873.5	2001.3
-17.5°	41464.9	36016.6	29300.1	23447.4	19165.3	15782.6	12262.1	8838.6	5590.6	3104.7	1545.0
-20°	35877.7	30917.1	25478.5	20462.9	16424.8	13218.8	10824.6	7425.7	4483.5	2449.5	1370.6



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	29723.7	25339.9	20600.3	16624.2	13270.0	10581.9	8282.8	5599.0	3239.1	1731.8	1186.5
-25°	22867.9	19503.7	15707.5	13112.7	10250.5	7741.6	6057.1	4087.7	2377.8	1278.5	1005.5
-27.5°	17292.2	14322.4	12283.0	10337.5	8075.9	6030.0	4380.3	2761.4	1533.9	1093.1	889.1
-30°	13208.4	11562.7	10022.0	8541.9	6691.9	4806.4	2989.7	1855.0	1175.1	936.8	806.5
-32.5°	10550.2	9468.7	8294.0	6956.3	5232.7	3390.0	2073.7	1204.7	979.2	854.7	772.7
-35°	8661.8	7664.5	6535.6	5121.5	3480.2	2204.0	1270.4	1028.0	877.1	791.3	751.6
-37.5°	6803.4	5826.4	4570.0	3223.0	2092.9	1297.7	1074.8	917.9	809.6	768.6	710.3
-40°	4830.0	3776.7	2732.2	1696.1	1282.7	1083.1	949.9	841.2	793.1	731.7	657.9
-42.5°	2825.8	1919.9	1408.0	1215.9	1053.8	956.6	867.4	820.2	759.5	679.7	588.0
-45°	1429.4	1261.2	1105.5	1025.9	939.2	886.6	841.8	776.2	700.7	610.2	511.8
-47.5°	1119.7	1055.1	984.6	940.3	903.0	855.4	783.6	709.7	623.4	534.1	452.4
-50°	1014.0	990.4	959.7	914.6	850.7	784.8	706.4	623.9	545.0	468.9	393.6
-52.5°	1022.2	966.5	907.2	843.1	765.5	688.9	612.9	544.1	474.2	404.6	337.8
-55°	956.8	885.4	811.0	733.6	655.5	591.4	527.9	465.9	403.2	339.7	287.3
-57.5°	832.1	762.8	695.3	626.5	556.7	499.6	444.8	387.9	335.7	286.6	238.6
-60°	704.0	644.4	582.0	522.2	465.9	414.2	365.6	319.1	275.1	232.1	189.3
-62.5°	561.2	511.7	462.5	415.6	371.0	329.0	288.1	249.3	212.5	176.6	144.6
-65°	416.7	377.5	340.2	307.3	274.7	242.6	209.3	181.0	155.5	129.9	103.9
-67.5°	284.8	256.6	230.1	206.8	187.6	167.9	146.4	124.4	107.7	93.4	77.7
-70°	182.4	165.8	150.0	134.7	122.2	111.3	99.4	87.0	74.8	64.0	52.8
-72.5°	114.6	105.0	96.0	87.7	79.1	71.4	63.5	55.0	46.5	37.9	30.7
-75°	69.6	62.8	56.2	50.7	44.8	38.5	34.3	30.9	27.3	23.6	19.8
-77.5°	39.1	35.2	31.6	29.1	26.6	23.8	21.0	18.4	16.8	15.3	14.0
-80°	23.6	21.4	19.3	17.9	16.4	15.0	13.7	12.7	11.9	11.3	10.9
-82.5°	14.5	13.1	11.8	11.2	10.7	10.1	9.7	9.4	9.2	8.9	8.6
-85°	9.4	8.6	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3
-87.5°	6.5	6.5	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.2	6.1
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.1	4.5	4.9



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.3	5.8	6.2	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°	5.4	5.8	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	5.9	6.0	6.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
75°	6.6	6.5	6.5	6.7	6.7	6.6	6.6	6.7	6.7	6.6	6.6
72.5°	6.6	6.6	6.6	6.8	7.0	7.1	6.9	6.8	7.0	6.9	6.7
70°	7.5	6.8	6.6	6.9	7.3	7.6	7.5	7.3	7.2	7.3	7.1
67.5°	9.1	8.0	7.2	7.0	7.3	7.7	8.1	7.8	7.6	7.6	7.5
65°	11.1	9.6	8.1	7.7	7.6	7.8	8.2	8.2	8.0	7.8	7.9
62.5°	13.7	11.5	9.9	8.6	8.0	8.0	8.2	8.2	8.2	8.0	8.1
60°	16.6	13.0	11.4	10.0	8.7	8.1	8.2	8.2	8.2	8.2	8.2
57.5°	18.5	13.7	12.2	11.1	9.8	8.6	8.2	8.2	8.2	8.2	8.2
55°	19.3	14.2	13.0	11.8	10.6	9.4	8.4	8.2	8.2	8.2	8.2
52.5°	18.8	15.0	13.7	12.5	11.2	10.0	9.1	8.2	8.2	8.2	8.2
50°	16.7	16.0	14.6	13.1	11.8	10.7	9.7	8.7	8.2	8.2	8.2
47.5°	16.9	17.0	15.8	13.9	12.4	11.3	10.3	9.3	8.2	8.2	8.2
45°	19.2	18.2	17.1	15.2	13.1	12.0	10.9	9.8	8.7	8.3	8.2
42.5°	23.2	21.7	19.0	16.5	14.6	12.6	11.4	10.3	9.1	8.4	8.3
40°	32.2	27.2	22.2	20.4	16.5	13.2	12.0	10.8	9.6	8.6	8.4
37.5°	43.2	36.2	28.6	28.6	20.4	15.3	12.5	11.2	10.2	9.1	8.6
35°	59.6	48.0	42.3	40.7	30.9	17.6	13.0	11.7	10.7	9.6	8.8
32.5°	78.5	70.2	65.0	54.8	44.5	20.1	14.5	12.5	11.4	10.0	9.0
30°	115.3	110.4	94.5	70.3	60.0	32.6	17.1	13.5	12.0	10.5	9.3
27.5°	172.3	159.8	131.2	96.4	74.6	47.9	20.3	14.6	12.7	10.9	9.6
25°	232.9	212.5	179.3	129.6	90.0	64.0	23.8	15.8	13.6	11.5	10.0
22.5°	305.5	262.4	233.5	166.6	109.5	80.3	32.2	18.6	14.5	12.1	10.3
20°	372.5	310.0	291.7	203.1	137.2	95.8	45.3	21.5	15.5	12.6	10.6
17.5°	437.4	373.4	336.4	246.2	167.6	113.2	58.2	24.3	16.5	13.2	10.9
15°	559.7	461.6	388.7	290.0	196.3	132.2	70.6	27.2	17.6	13.8	11.1
12.5°	700.0	555.2	449.2	333.5	223.1	152.1	82.5	30.0	18.6	14.3	11.2
10°	845.2	652.2	515.5	376.0	248.0	172.4	93.5	33.7	20.1	14.8	11.3
7.5°	991.8	750.3	584.9	416.6	275.8	203.3	119.1	39.8	21.8	15.3	11.4
5°	1126.2	842.6	657.9	480.2	329.0	244.9	147.6	46.0	23.4	15.7	11.5
2.5°	1209.3	922.9	727.9	543.5	380.9	285.2	175.4	52.0	25.0	16.2	11.5
0°	1280.1	996.4	791.8	602.1	430.6	323.3	201.3	57.7	26.4	16.5	11.5
-2.5°	1281.2	998.6	813.3	657.8	485.7	364.1	233.0	74.6	36.2	20.9	13.0
-5°	1270.9	995.5	832.4	708.5	536.7	401.3	260.3	90.5	45.5	25.1	14.5
-7.5°	1295.7	1005.8	850.1	748.8	582.8	434.3	282.3	104.9	54.0	29.0	15.9
-10°	1312.6	1018.8	861.5	746.7	583.2	443.8	295.1	117.4	61.6	32.4	17.2
-12.5°	1307.2	1021.4	868.7	736.9	571.1	432.1	283.7	126.1	67.9	35.1	18.3
-15°	1276.7	1012.5	871.4	719.0	554.0	418.0	270.2	132.1	73.3	37.8	19.2
-17.5°	1202.4	991.2	869.2	692.2	531.7	402.0	255.2	136.1	77.3	40.5	20.5
-20°	1089.6	942.1	857.3	656.0	503.9	384.2	239.2	137.9	79.8	42.2	22.0



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	984.2	882.8	788.0	620.3	474.9	364.9	222.7	137.5	80.5	42.8	23.1
-25°	878.1	827.5	716.9	573.2	449.7	340.6	213.4	134.7	79.4	42.4	23.6
-27.5°	806.7	769.6	652.1	524.7	418.6	317.5	209.1	133.1	77.4	40.7	23.7
-30°	754.4	700.0	595.3	478.3	384.5	286.1	201.8	129.2	75.5	39.8	23.2
-32.5°	722.7	640.9	539.3	438.3	347.6	254.2	185.8	122.7	71.8	39.3	22.8
-35°	678.3	586.0	484.1	395.2	310.2	230.6	166.1	113.6	66.5	37.9	22.2
-37.5°	630.3	528.8	434.4	351.5	272.6	205.1	148.1	100.2	59.3	35.7	21.1
-40°	564.9	471.5	385.2	310.6	240.6	177.6	129.1	87.8	54.6	32.6	19.6
-42.5°	496.8	416.6	341.0	270.4	208.7	155.5	109.7	74.7	49.0	29.9	17.7
-45°	436.3	363.7	297.6	235.4	176.4	132.5	94.6	62.0	42.8	27.1	16.0
-47.5°	376.8	315.6	256.8	199.7	150.7	110.4	79.0	54.5	36.1	23.8	15.0
-50°	324.5	270.0	218.1	169.2	125.0	92.7	64.6	46.5	31.3	19.6	13.8
-52.5°	278.9	228.6	182.3	139.1	104.4	74.5	55.2	38.3	26.2	17.2	12.6
-55°	236.1	188.9	147.3	113.4	84.2	62.1	45.2	31.9	20.7	15.4	11.3
-57.5°	193.0	149.2	118.0	90.0	68.3	50.8	36.5	25.2	17.7	13.5	11.0
-60°	150.0	118.7	91.1	71.9	55.0	40.2	28.3	19.5	15.3	11.8	10.7
-62.5°	114.9	89.7	72.4	56.4	42.4	30.3	20.7	16.7	12.9	11.4	10.3
-65°	86.3	69.8	54.8	42.0	30.3	21.6	17.4	13.8	12.0	11.0	9.9
-67.5°	62.8	50.2	38.2	27.4	21.6	17.5	13.9	12.4	11.5	10.5	9.5
-70°	41.7	31.1	24.6	20.3	16.6	13.6	12.7	11.8	10.9	10.0	9.1
-72.5°	25.9	21.6	17.7	14.5	13.4	12.6	11.9	11.2	10.4	9.5	8.6
-75°	16.3	14.8	13.7	12.8	12.0	11.5	11.1	10.6	9.8	9.0	8.5
-77.5°	13.1	12.3	11.6	11.3	11.0	10.7	10.4	10.0	9.3	8.7	8.4
-80°	10.6	10.5	10.4	10.4	10.1	9.9	9.6	9.3	8.8	8.5	8.3
-82.5°	8.7	9.0	9.2	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0
-85°	7.6	7.9	8.2	8.4	8.3	8.2	8.1	8.0	7.8	7.7	7.6
-87.5°	6.5	6.8	7.2	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: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.7	6.6	6.6	6.6	6.6	6.6	6.6
67.5°	7.0	6.6	6.6	6.6	6.6	6.6	6.6
65°	7.4	6.8	6.6	6.6	6.6	6.6	6.6
62.5°	7.8	7.1	6.6	6.6	6.6	6.6	6.6
60°	8.2	7.4	6.6	6.6	6.6	6.6	6.6
57.5°	8.2	7.7	6.8	6.6	6.6	6.6	6.6
55°	8.2	8.0	7.1	6.6	6.6	6.6	6.6
52.5°	8.2	8.2	7.3	6.6	6.6	6.6	6.6
50°	8.2	8.2	7.5	6.6	6.6	6.6	6.6
47.5°	8.2	8.2	7.7	6.6	6.6	6.6	6.6
45°	8.2	8.2	7.9	6.8	6.6	6.6	6.6
42.5°	8.2	8.2	8.1	6.9	6.6	6.6	6.6
40°	8.2	8.2	8.2	7.1	6.6	6.6	6.6
37.5°	8.2	8.2	8.2	7.2	6.6	6.6	6.6
35°	8.2	8.2	8.2	7.2	6.6	6.6	6.6
32.5°	8.3	8.2	8.2	7.3	6.6	6.6	6.6
30°	8.4	8.2	8.2	7.3	6.6	6.6	6.6
27.5°	8.6	8.2	8.1	7.3	6.6	6.6	6.6
25°	8.8	8.2	8.1	7.3	6.6	6.6	6.6
22.5°	9.0	8.2	8.1	7.3	6.6	6.6	6.6
20°	9.2	8.2	8.1	7.3	6.6	6.6	6.6
17.5°	9.4	8.2	8.1	7.2	6.6	6.6	6.6
15°	9.5	8.2	8.1	7.2	6.6	6.6	6.6
12.5°	9.7	8.2	8.1	7.1	6.6	6.6	6.6
10°	9.7	8.2	8.1	7.0	6.6	6.6	6.6
7.5°	9.8	8.2	8.2	6.9	6.6	6.6	6.6
5°	9.9	8.2	8.2	6.8	6.6	6.6	6.6
2.5°	9.9	8.2	8.2	6.7	6.6	6.6	6.6
0°	9.9	8.2	8.2	6.6	6.6	6.6	6.6
-2.5°	10.5	8.6	8.2	6.7	6.6	6.6	6.6
-5°	11.2	8.9	8.2	6.8	6.6	6.6	6.6
-7.5°	11.7	9.2	8.2	6.9	6.6	6.6	6.6
-10°	12.3	9.5	8.1	7.0	6.6	6.6	6.6
-12.5°	12.8	9.8	8.1	7.1	6.6	6.6	6.6
-15°	13.2	10.0	8.1	7.2	6.6	6.6	6.6
-17.5°	13.5	10.1	8.1	7.2	6.6	6.6	6.6
-20°	13.9	10.2	8.1	7.3	6.6	6.6	6.6



REPORT NUMBER: P731491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.4	10.2	8.1	7.3	6.6	6.6	6.6
-25°	14.7	10.1	8.1	7.3	6.6	6.6	6.6
-27.5°	14.7	10.0	8.1	7.3	6.6	6.6	6.6
-30°	14.5	9.8	8.2	7.3	6.6	6.6	6.6
-32.5°	13.9	9.6	8.3	7.3	6.6	6.6	6.6
-35°	13.5	9.3	8.4	7.2	6.6	6.6	6.6
-37.5°	13.1	9.1	8.4	7.2	6.6	6.6	6.6
-40°	12.6	9.1	8.5	7.1	6.6	6.6	6.6
-42.5°	12.0	9.2	8.4	6.9	6.6	6.6	6.6
-45°	11.2	9.2	8.3	6.8	6.6	6.6	6.6
-47.5°	10.4	9.2	8.1	6.7	6.6	6.6	6.6
-50°	10.2	9.1	7.9	6.7	6.6	6.6	6.6
-52.5°	10.1	9.1	7.8	6.8	6.6	6.6	6.6
-55°	9.9	8.9	7.6	6.8	6.6	6.6	6.6
-57.5°	9.8	8.6	7.4	6.8	6.6	6.6	6.6
-60°	9.5	8.3	7.2	6.8	6.6	6.6	6.6
-62.5°	9.2	8.1	7.2	6.9	6.6	6.6	6.6
-65°	8.8	7.8	7.3	6.9	6.6	6.6	6.6
-67.5°	8.5	7.7	7.3	6.9	6.6	6.6	6.6
-70°	8.1	7.7	7.3	6.9	6.6	6.6	6.6
-72.5°	8.1	7.7	7.3	6.9	6.6	6.6	6.6
-75°	8.1	7.7	7.3	6.9	6.6	6.6	6.6
-77.5°	8.1	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

