

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: P731583 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-4S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731583 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-4S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

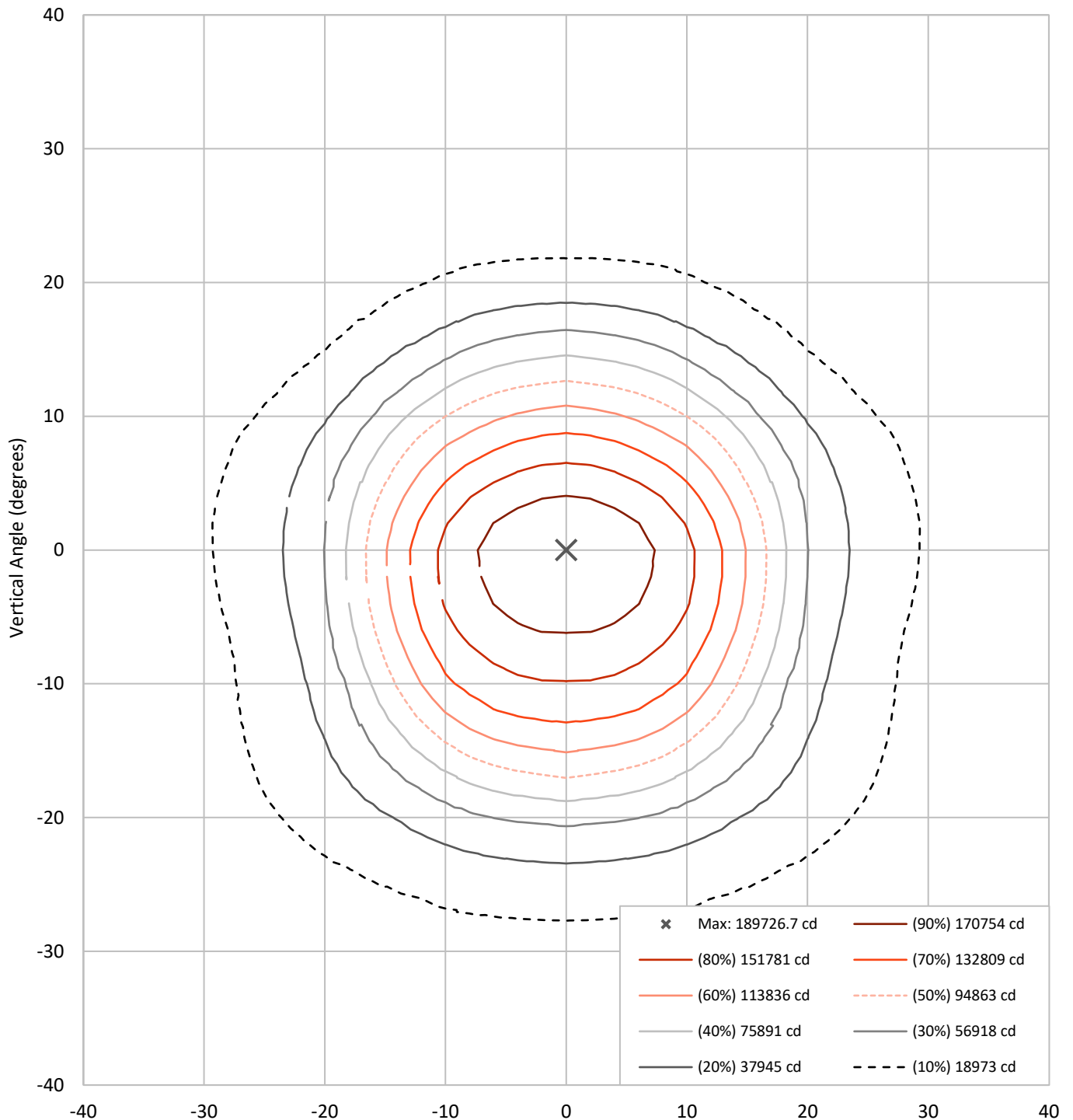
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	60721.1 lumens	Max Intensity:	189726.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	33319.6 lumens	Field Lumens:	53385.3 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

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





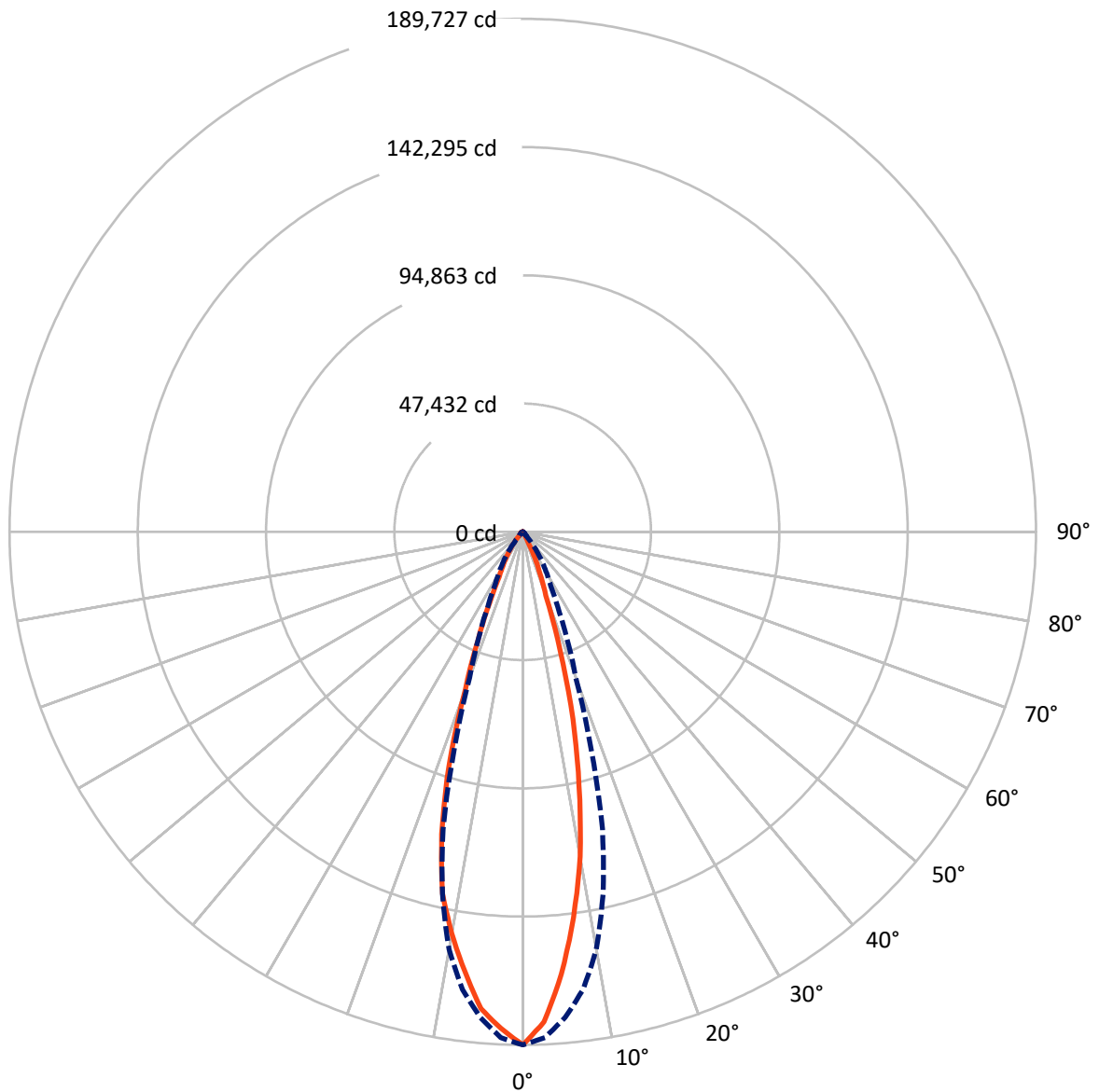
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Lumen Table

90	0.1	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.1									
80	0.1	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.1									
70	0.2	0.1	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.2	0.1	0.2		
60		0.1	0.3	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.3	0.1			
50	0.2	0.1	0.3	0.5	0.6	0.7	1.0	1.2	1.2	1.0	0.7	0.6	0.5	0.3	0.1	0.2		
40		0.2	0.7	1.5	2.5	5.7	11.5	15.8	15.8	11.5	5.7	2.5	1.5	0.7	0.2			
30	0.2	0.3	2.2	6.0	22.3	80.9	191.8	324.4	324.4	191.8	80.9	22.3	6.0	2.2	0.3	0.2		
20		0.7	5.0	16.0	98.3	340.4	1044.4	1973.3	1973.3	1044.4	340.4	98.3	16.0	5.0	0.7			
10	0.3	1.4	8.5	30.2	229.0	815.5	2705.2	4570.8	4570.8	2705.2	815.5	229.0	30.2	8.5	1.4	0.3		
0		2.3	11.3	35.8	238.6	841.0	3036.2	5018.2	5018.2	3036.2	841.0	238.6	35.8	11.3	2.3			
-10	0.4	2.7	11.5	30.8	186.2	620.0	1813.3	3167.9	3167.9	1813.3	620.0	186.2	30.8	11.5	2.7	0.4		
-20		2.5	9.9	21.2	80.4	294.2	612.4	916.6	916.6	612.4	294.2	80.4	21.2	9.9	2.5			
-30	0.3	2.0	7.5	14.7	27.6	79.5	180.4	254.9	254.9	180.4	79.5	27.6	14.7	7.5	2.0	0.3		
-40		1.2	5.1	11.1	18.2	27.6	40.5	53.0	53.0	40.5	27.6	18.2	11.1	5.1	1.2			
-50	0.2	0.6	2.7	7.3	13.5	19.4	24.9	28.2	28.2	24.9	19.4	13.5	7.3	2.7	0.6	0.2		
-60		0.2	1.0	3.0	6.5	11.2	16.1	18.9	18.9	16.1	11.2	6.5	3.0	1.0	0.2			
-70	0.2	0.2	1.0	3.0	6.5	11.2	16.1	18.9	18.9	16.1	11.2	6.5	3.0	1.0	0.2	0.2		
-80		0.2	0.7	2.4	6.4	9.0	6.4	2.4	0.7	0.2								
-90	0.2	0.7	2.4	6.4	9.0	6.4	2.4	0.7	0.2									

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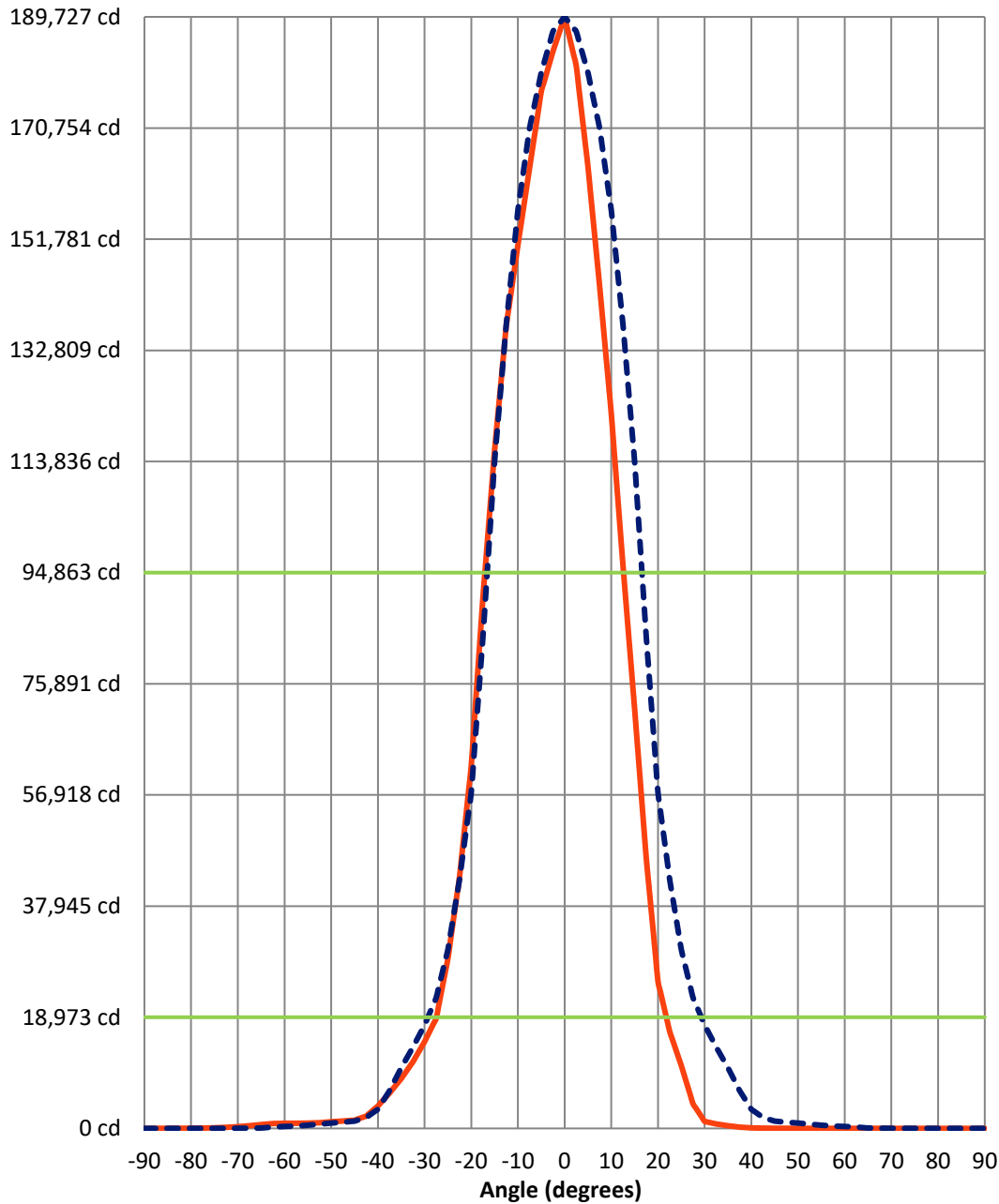
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 33319.6
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 53385.3
 Efficiency: 87.9%

Spill:
 Lumens: 7335.8
 Efficiency: 12.1%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.0	7.0	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.8	7.2	7.4	7.3	7.2	6.8
75°	6.7	6.7	6.7	6.7	6.8	7.2	7.6	7.8	7.7	7.2	6.8
72.5°	6.7	6.7	6.7	6.7	7.0	7.5	8.0	8.1	7.7	7.3	6.9
70°	6.7	6.7	6.7	6.7	7.3	7.9	8.4	8.1	7.7	7.3	7.4
67.5°	6.7	6.7	6.7	6.9	7.6	8.2	8.4	8.2	7.8	7.8	8.0
65°	6.7	6.7	6.7	7.2	7.9	8.4	8.4	8.2	8.0	8.1	8.4
62.5°	6.7	6.7	6.7	7.3	8.1	8.4	8.4	8.3	8.2	8.4	8.4
60°	6.7	6.7	6.7	7.5	8.4	8.4	8.4	8.4	8.4	8.4	8.4
57.5°	6.7	6.7	6.8	7.7	8.4	8.4	8.4	8.4	8.4	8.4	8.4
55°	6.7	6.7	6.9	7.9	8.4	8.4	8.4	8.4	8.4	8.4	8.4
52.5°	6.7	6.7	7.1	8.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4
50°	6.7	6.7	7.2	8.3	8.4	8.4	8.4	8.4	8.4	8.4	9.1
47.5°	6.7	6.7	7.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	9.8
45°	6.7	6.7	7.4	8.4	8.4	8.4	8.4	8.4	8.5	8.9	10.5
42.5°	6.7	6.7	7.5	8.4	8.4	8.4	8.4	8.5	8.6	9.3	10.9
40°	6.7	6.7	7.6	8.4	8.4	8.4	8.4	8.6	8.8	9.7	11.2
37.5°	6.7	6.7	7.7	8.4	8.4	8.4	8.4	8.7	9.3	10.3	11.6
35°	6.7	6.7	7.8	8.4	8.4	8.4	8.4	8.9	9.7	10.8	11.9
32.5°	6.7	6.7	7.9	8.4	8.4	8.4	8.4	9.2	10.2	11.3	12.7
30°	6.7	6.7	7.9	8.4	8.4	8.4	8.6	9.4	10.6	11.8	13.8
27.5°	6.7	6.7	8.0	8.4	8.4	8.4	8.8	9.8	11.0	12.3	15.1
25°	6.7	6.7	8.1	8.4	8.4	8.4	9.0	10.1	11.4	13.2	16.7
22.5°	6.7	6.7	8.1	8.4	8.4	8.4	9.2	10.5	11.8	14.3	20.2
20°	6.7	6.7	8.2	8.4	8.4	8.5	9.4	10.8	12.2	15.6	23.8
17.5°	6.7	6.7	8.2	8.4	8.4	8.7	9.6	11.1	12.5	17.0	27.4
15°	6.7	6.7	8.3	8.4	8.4	8.9	9.7	11.4	12.9	18.4	30.9
12.5°	6.7	6.7	8.3	8.4	8.4	9.0	9.8	11.7	13.8	19.8	34.4
10°	6.7	6.7	8.3	8.4	8.4	9.2	9.9	12.1	15.3	23.1	39.3
7.5°	6.7	6.7	8.4	8.4	8.4	9.4	10.0	12.4	16.9	26.6	47.2
5°	6.7	6.7	8.4	8.4	8.4	9.6	10.0	12.8	18.6	30.2	55.2
2.5°	6.7	6.7	8.4	8.4	8.4	9.8	10.0	13.1	20.2	33.6	63.0
0°	6.7	6.7	8.4	8.4	8.4	10.0	10.0	13.4	21.8	36.8	70.3
-2.5°	6.7	6.7	8.4	8.4	8.4	10.0	10.9	16.0	28.1	48.8	90.9
-5°	6.7	6.7	8.4	8.4	8.4	10.0	11.8	18.5	34.1	60.1	110.4
-7.5°	6.7	6.7	8.4	8.4	8.4	9.9	12.5	20.8	39.6	70.7	128.1
-10°	6.7	6.7	8.3	8.4	8.4	9.9	13.2	22.8	44.4	80.1	143.7
-12.5°	6.7	6.7	8.3	8.4	8.4	9.8	13.8	24.5	48.5	88.0	154.0
-15°	6.7	6.7	8.3	8.4	8.4	9.7	14.2	25.9	51.9	94.1	160.7
-17.5°	6.7	6.7	8.2	8.4	8.4	9.6	14.4	27.3	54.7	98.7	165.2
-20°	6.7	6.7	8.2	8.4	8.4	9.5	14.8	28.7	56.3	101.5	167.4



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.7	6.7	8.1	8.4	8.4	9.4	15.3	29.5	56.6	102.4	167.0
-25°	6.7	6.7	8.1	8.4	8.4	9.5	15.6	29.9	55.7	101.3	164.0
-27.5°	6.7	6.7	8.0	8.4	8.4	9.7	15.6	29.6	53.3	98.9	162.3
-30°	6.7	6.7	7.9	8.4	8.4	9.7	15.1	28.7	51.7	96.1	158.0
-32.5°	6.7	6.7	7.9	8.4	8.5	9.6	14.3	28.1	50.6	91.2	151.0
-35°	6.7	6.7	7.8	8.4	8.6	9.4	13.9	27.1	48.6	84.3	141.0
-37.5°	6.7	6.7	7.7	8.4	8.6	9.3	13.7	25.5	45.8	75.4	125.6
-40°	6.7	6.7	7.6	8.4	8.6	9.3	13.2	23.3	42.0	69.5	110.5
-42.5°	6.7	6.7	7.5	8.4	8.7	9.4	12.6	20.6	38.4	62.9	94.7
-45°	6.7	6.7	7.4	8.5	8.7	9.4	11.7	18.2	34.6	55.5	79.3
-47.5°	6.7	6.7	7.3	8.5	8.8	9.3	10.6	16.9	29.9	47.7	70.5
-50°	6.7	6.7	7.2	8.4	8.8	9.3	10.4	15.3	24.1	41.0	61.1
-52.5°	6.7	6.7	7.1	8.3	8.9	9.2	10.3	13.4	20.5	33.8	51.3
-55°	6.7	6.7	6.9	8.1	8.9	9.2	10.1	11.5	17.7	26.1	42.5
-57.5°	6.7	6.7	6.8	8.0	9.0	9.3	9.9	11.2	14.7	21.5	33.0
-60°	6.7	6.7	6.7	7.8	9.0	9.3	9.7	10.8	12.0	17.6	24.8
-62.5°	6.7	6.7	6.7	7.6	8.8	9.4	9.7	10.4	11.6	13.5	19.9
-65°	6.7	6.7	6.7	7.5	8.5	9.4	9.8	10.1	11.1	12.2	14.7
-67.5°	6.7	6.7	6.7	7.3	8.3	9.3	9.8	10.1	10.6	11.6	12.6
-70°	6.7	6.7	6.7	7.1	8.0	9.0	9.9	10.1	10.5	11.1	12.0
-72.5°	6.7	6.7	6.7	7.0	7.8	8.7	9.5	10.0	10.3	10.7	11.4
-75°	6.7	6.7	6.7	7.0	7.5	8.4	9.2	9.7	10.0	10.3	10.8
-77.5°	6.7	6.7	6.7	7.0	7.4	8.0	8.8	9.2	9.5	9.8	10.2
-80°	6.7	6.7	6.7	6.9	7.3	7.8	8.4	8.7	9.0	9.2	9.5
-82.5°	6.7	6.7	6.7	6.9	7.1	7.5	8.0	8.2	8.4	8.6	8.8
-85°	6.7	6.7	6.7	6.8	7.0	7.2	7.6	7.7	7.9	8.0	8.1
-87.5°	6.7	6.7	6.7	6.8	6.8	7.0	7.1	7.2	7.3	7.4	7.4
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



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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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.3	5.9	5.4
87.5°	6.3	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.7
85°	6.3	5.9	5.5	5.3	5.3	5.2	5.2	5.0	4.8	4.6	4.5
82.5°	6.5	6.3	6.2	6.2	6.1	5.8	5.5	5.0	5.0	5.0	5.0
80°	6.6	6.7	6.7	6.7	6.3	5.9	5.5	5.1	5.0	5.1	5.1
77.5°	6.7	6.7	6.7	6.7	6.4	6.1	6.0	5.9	5.9	5.8	5.5
75°	6.7	6.7	6.8	6.8	6.6	6.6	6.7	6.7	6.4	6.0	5.6
72.5°	7.0	7.2	7.2	6.9	6.7	6.7	6.7	6.7	6.9	7.0	6.9
70°	7.7	7.7	7.4	7.0	6.7	7.0	7.8	8.7	9.3	9.3	9.6
67.5°	8.3	7.9	7.5	7.2	8.0	9.0	10.0	11.3	12.8	13.2	13.9
65°	8.4	8.0	8.0	8.6	9.9	11.2	12.7	14.4	18.0	20.2	21.3
62.5°	8.4	8.3	8.7	10.0	11.7	13.3	15.9	20.0	25.4	29.2	29.4
60°	8.4	8.5	9.8	11.6	13.4	15.6	19.5	25.7	33.9	40.1	36.6
57.5°	8.4	9.3	11.3	13.1	14.9	17.4	23.4	31.4	39.8	48.6	41.6
55°	8.8	10.7	12.5	14.2	16.5	19.8	26.0	33.5	42.7	45.2	37.2
52.5°	9.9	11.8	13.3	15.3	18.2	21.3	25.6	32.2	35.1	35.8	30.9
50°	10.9	12.4	13.9	16.3	19.3	21.8	23.1	27.1	28.2	26.8	24.1
47.5°	11.5	12.9	14.4	17.0	19.9	22.1	22.2	22.4	22.0	21.6	17.8
45°	11.9	13.4	14.9	17.8	20.9	22.9	21.8	18.6	21.2	20.5	19.5
42.5°	12.4	13.9	16.3	18.6	22.7	24.0	22.2	23.0	23.7	24.7	25.1
40°	12.8	14.4	18.3	22.8	25.2	25.8	28.5	30.6	29.7	32.5	34.1
37.5°	13.2	16.6	22.2	30.5	27.8	31.5	36.7	45.0	45.4	42.7	49.1
35°	13.5	19.2	31.6	40.5	38.3	40.5	54.3	65.3	68.6	65.0	69.0
32.5°	15.1	22.1	43.4	52.7	58.0	60.8	76.5	93.0	105.4	107.8	97.7
30°	18.2	32.9	57.0	67.4	82.9	98.0	108.9	128.8	154.3	174.3	182.5
27.5°	22.2	46.0	71.0	90.0	113.7	139.4	158.1	183.0	224.7	260.5	289.8
25°	26.5	63.9	86.8	117.7	152.9	186.1	215.0	256.5	311.7	371.0	474.1
22.5°	36.0	84.2	110.6	148.2	194.7	236.3	284.4	343.5	414.1	495.5	686.7
20°	51.6	104.3	139.2	182.3	239.6	288.9	356.8	432.2	528.5	702.1	1026.8
17.5°	68.2	125.8	168.5	222.6	293.8	356.0	432.1	520.3	647.8	925.6	1565.1
15°	85.4	148.4	196.5	265.3	352.9	441.7	533.6	629.6	812.1	1241.9	2250.6
12.5°	102.8	171.6	223.1	309.4	415.5	531.2	640.8	762.9	1026.8	1785.4	3266.0
10°	120.0	195.0	248.2	353.9	480.2	622.6	747.1	890.9	1250.0	2277.8	4174.1
7.5°	148.2	225.5	275.0	397.8	545.2	714.1	851.4	1012.8	1468.0	2707.0	5010.5
5°	178.1	263.0	317.9	451.5	609.4	795.7	945.7	1127.8	1674.4	3068.1	5795.1
2.5°	206.6	299.0	359.6	503.1	669.6	859.0	1005.5	1192.2	1784.8	3236.8	6279.6
0°	232.6	333.0	399.9	550.5	724.5	915.2	1059.1	1248.2	1852.2	3269.3	6434.9
-2.5°	264.2	370.3	441.6	588.1	754.5	948.2	1093.0	1290.7	1921.8	3452.2	6463.0
-5°	291.2	404.9	481.2	621.6	779.6	973.9	1121.4	1323.9	1954.4	3535.4	6327.1
-7.5°	313.1	436.5	518.8	648.1	792.6	979.1	1131.8	1329.4	1931.7	3492.5	6049.1
-10°	326.3	449.8	527.9	647.6	788.4	968.2	1131.9	1324.6	1866.4	3314.7	5658.6
-12.5°	316.8	446.1	529.5	642.8	780.3	949.9	1123.9	1309.4	1755.3	2986.5	5201.6
-15°	304.9	440.2	528.4	633.4	768.8	924.2	1107.2	1283.5	1582.1	2477.5	4637.3
-17.5°	291.4	432.0	524.4	619.5	754.2	891.1	1073.2	1216.1	1403.0	2110.9	3986.8
-20°	276.6	421.7	517.3	601.0	736.3	843.4	993.2	1140.4	1310.9	1795.1	3111.7



REPORT NUMBER: P731583 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	261.2	409.3	505.5	588.9	690.7	788.4	909.0	1053.3	1209.5	1402.7	2180.9
-25°	252.2	386.2	488.6	561.1	641.4	732.4	822.6	955.7	1103.6	1259.2	1668.9
-27.5°	247.5	363.9	460.8	533.2	593.8	676.3	753.0	859.3	996.4	1129.4	1259.2
-30°	239.5	332.1	432.5	504.3	559.3	624.3	690.4	776.6	898.3	1015.1	1122.7
-32.5°	222.3	299.9	397.7	472.2	528.8	576.1	641.5	718.5	812.1	913.5	1000.1
-35°	201.1	274.6	360.2	440.1	498.7	543.6	602.4	667.1	735.8	823.8	927.4
-37.5°	181.4	247.0	322.9	404.2	464.2	518.7	564.0	622.2	681.5	746.6	850.3
-40°	160.2	217.4	289.1	363.9	433.3	489.9	536.8	580.4	632.2	697.4	766.6
-42.5°	138.2	192.4	254.5	324.4	394.0	455.0	508.3	548.5	592.8	648.9	710.5
-45°	119.9	166.0	219.2	285.2	350.9	415.2	469.5	520.2	562.7	603.9	657.1
-47.5°	100.9	140.1	189.0	245.3	307.7	368.0	426.8	482.8	536.9	575.4	608.0
-50°	83.5	118.6	158.4	210.1	264.6	321.0	376.1	441.7	498.9	547.6	585.5
-52.5°	72.4	96.4	133.0	175.5	224.5	275.2	329.6	389.9	451.9	509.8	554.1
-55°	60.7	81.3	107.2	143.9	185.5	231.5	282.4	337.7	394.1	452.2	509.0
-57.5°	49.4	67.8	87.5	113.1	149.1	188.5	235.1	284.2	336.1	388.8	441.3
-60°	38.0	54.1	71.9	90.6	112.6	148.0	186.6	229.8	275.9	323.3	370.7
-62.5°	27.1	40.3	55.9	72.8	90.3	109.6	140.7	176.7	213.9	253.2	294.4
-65°	21.0	27.9	39.5	54.3	70.3	87.1	105.7	125.9	156.9	187.4	216.4
-67.5°	14.8	21.1	27.4	35.1	48.7	63.1	78.6	95.5	113.5	131.3	152.1
-70°	13.2	15.0	19.9	25.5	30.8	37.9	50.6	64.1	78.1	91.6	106.4
-72.5°	12.4	13.7	15.5	17.6	22.1	26.5	30.8	35.0	43.2	54.3	65.2
-75°	11.5	12.3	13.6	15.2	17.0	18.8	21.0	24.7	28.2	31.5	34.8
-77.5°	10.6	11.2	11.9	12.8	13.9	15.3	16.8	18.4	19.8	21.1	22.5
-80°	9.7	10.0	10.4	11.0	11.6	12.4	13.2	14.1	14.8	15.5	16.4
-82.5°	9.0	9.2	9.4	9.5	9.6	9.8	10.1	10.6	11.1	11.5	11.9
-85°	8.3	8.4	8.5	8.6	8.4	8.3	8.1	8.1	8.3	8.5	8.6
-87.5°	7.5	7.5	7.6	7.7	7.5	7.2	7.0	6.7	6.6	6.5	6.4
-90°	6.3	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.7



REPORT NUMBER: P731583 (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°	5.0	5.0	5.0	5.0	5.0	5.9	6.7	7.6	8.4	9.2	10.1
87.5°	3.3	3.3	3.3	3.3	3.3	2.9	2.5	2.1	1.7	1.7	1.7
85°	4.4	4.2	3.9	3.6	3.3	3.2	3.2	3.2	3.2	2.9	2.5
82.5°	5.0	4.6	4.2	3.8	3.3	3.3	3.3	3.3	3.3	2.9	2.5
80°	5.0	4.6	4.2	3.8	3.4	3.3	3.3	3.3	3.3	2.9	2.5
77.5°	5.1	4.7	4.5	4.3	4.2	4.1	3.9	3.7	3.3	2.9	2.5
75°	5.2	5.1	5.2	5.2	5.1	4.7	4.3	3.8	3.4	3.3	3.2
72.5°	6.6	6.3	6.2	6.4	6.3	6.2	5.8	5.4	4.8	4.7	4.8
70°	9.8	10.0	10.1	9.9	9.4	8.6	7.9	7.2	6.5	6.4	6.5
67.5°	14.8	15.0	14.5	13.5	11.7	10.2	9.6	8.9	8.2	8.0	8.2
65°	21.3	19.7	18.0	16.1	13.9	11.6	10.8	10.3	9.8	9.8	10.3
62.5°	27.6	22.5	18.1	15.3	13.2	11.5	10.8	10.0	9.3	9.0	9.3
60°	30.3	21.5	15.6	13.8	12.1	10.3	9.3	8.6	7.8	7.3	7.6
57.5°	30.4	21.1	14.5	12.3	10.5	9.0	8.1	7.6	7.1	6.7	7.2
55°	27.1	18.7	12.3	10.6	9.5	8.8	8.3	8.2	8.0	7.8	8.1
52.5°	21.8	15.6	11.4	9.8	9.9	9.9	9.9	9.9	10.1	10.4	10.8
50°	17.3	13.3	12.1	11.4	11.8	11.9	11.6	12.3	13.1	13.7	14.1
47.5°	15.8	14.5	14.7	14.3	14.9	16.1	16.3	16.8	18.1	18.9	19.5
45°	17.6	18.9	19.7	21.1	21.9	23.8	24.4	24.5	27.2	29.1	30.1
42.5°	24.6	26.8	29.4	32.0	33.3	35.8	38.3	39.7	43.9	47.2	48.5
40°	37.2	38.4	44.0	47.3	49.8	52.9	60.7	65.8	73.9	88.9	99.8
37.5°	54.7	58.7	62.0	66.8	77.3	82.5	107.2	129.7	145.1	182.5	203.6
35°	80.1	91.1	87.3	108.7	135.2	168.5	204.7	258.6	301.4	351.9	398.6
32.5°	125.6	152.4	178.4	203.3	262.9	358.3	360.9	461.9	529.5	611.3	683.4
30°	198.7	293.7	413.3	452.9	620.5	807.8	755.8	910.7	1064.1	1155.4	1470.5
27.5°	392.1	606.2	843.8	1145.7	1458.0	1780.0	1993.3	2067.9	2844.3	3415.2	4158.3
25°	670.8	1046.6	1710.3	2199.2	2747.6	3462.8	3875.9	4432.0	5727.0	7340.9	8594.4
22.5°	1069.0	1725.6	2602.5	3342.4	4164.4	5128.2	5999.8	7333.1	9347.0	11549.9	13423.9
20°	1515.3	2361.9	3473.0	4581.5	5658.9	6915.0	8431.6	11154.3	14265.9	17719.0	20840.7
17.5°	2338.8	3171.2	4594.1	6109.5	7640.3	9153.2	12488.5	16520.7	21391.7	26508.3	31052.8
15°	3515.5	4862.7	6274.0	8277.8	10825.8	13733.2	17957.1	25029.3	32594.6	40579.9	50099.5
12.5°	5051.0	7004.2	9121.3	11441.3	14896.0	20203.4	27210.3	35842.6	46671.3	58651.3	72197.4
10°	6618.1	9435.0	12350.5	15663.9	20217.1	27053.4	36102.3	46910.9	63940.6	80725.6	94863.4
7.5°	7892.1	11175.0	14853.4	19254.9	25189.5	33519.3	44701.7	60322.7	80631.5	100602.7	116418.8
5°	9087.5	12693.8	16523.2	21020.3	28174.9	38219.8	51686.8	71176.1	95472.3	116712.0	133659.7
2.5°	9954.6	13742.8	17704.4	22280.3	30437.2	41077.3	55862.4	80037.6	108002.5	129763.8	149196.2
0°	10338.4	13843.6	17633.3	22328.2	30511.5	42534.8	57310.4	83779.6	113802.6	137197.3	156717.2
-2.5°	9862.5	13265.6	17176.2	21762.8	29966.0	41516.1	56778.8	83358.2	113484.4	137210.4	156455.2
-5°	9359.0	12585.2	16215.5	20455.1	27935.3	38674.7	54246.9	79642.6	108552.0	132404.9	151178.0
-7.5°	8822.3	11775.0	15022.9	18826.7	25462.9	35797.3	50257.1	71691.1	98713.6	122999.9	140656.0
-10°	8208.6	10896.6	14312.2	18343.7	24120.8	33104.2	45062.3	62233.6	87543.7	110108.2	129493.6
-12.5°	7848.3	10715.5	14128.5	17831.5	22491.6	30408.3	41288.6	55936.0	73261.5	94221.6	111470.6
-15°	7385.3	10287.4	13672.3	17146.4	21459.9	27641.1	36231.6	46990.1	60173.3	74297.8	89608.0
-17.5°	6623.9	9524.4	12250.2	15510.8	19607.8	24491.4	30664.8	39014.1	47761.2	57769.1	66929.1
-20°	5370.1	7713.1	10290.9	13363.1	16885.1	20585.8	24708.3	30397.3	35945.9	42952.3	48577.1



REPORT NUMBER: P731583 (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°	3863.6	5843.9	8077.3	10616.4	13405.4	16573.7	19679.3	22681.5	26484.2	30919.2	35438.6
-25°	2516.3	3981.4	5915.3	7996.2	9944.2	12476.2	14707.4	16500.4	19064.6	21071.4	23810.2
-27.5°	1742.5	2694.7	4135.3	5793.3	7329.8	8950.5	10766.9	11991.0	13988.5	15074.1	16753.0
-30°	1275.0	1809.5	2845.5	4085.6	5424.2	6803.7	8100.4	9446.3	10835.8	12064.6	12996.3
-32.5°	1130.6	1340.6	1851.5	2744.1	3791.4	4948.2	6046.3	7219.6	8326.5	9279.0	10047.6
-35°	1032.6	1150.4	1310.9	1782.8	2407.9	3311.0	4174.8	5124.6	6013.7	6750.0	7367.1
-37.5°	955.0	1049.3	1150.3	1253.9	1604.8	2000.0	2614.0	3274.1	3844.6	4496.5	5000.0
-40°	866.9	967.6	1048.5	1131.2	1224.2	1323.4	1655.7	1951.3	2273.7	2713.7	3073.3
-42.5°	775.9	863.6	954.7	1031.7	1101.9	1176.0	1250.7	1316.8	1480.6	1674.6	1821.9
-45°	713.0	775.0	841.8	923.4	998.9	1063.1	1123.6	1181.5	1240.9	1295.8	1341.3
-47.5°	657.6	707.7	762.8	818.8	875.6	941.6	1003.6	1062.4	1113.9	1160.8	1198.4
-50°	617.2	651.8	697.6	741.8	790.4	836.4	877.6	925.8	978.6	1026.5	1064.8
-52.5°	596.7	627.0	653.2	685.0	728.8	767.4	801.2	839.4	876.1	909.7	934.4
-55°	556.5	596.1	634.4	670.1	700.4	728.0	757.3	794.8	827.0	854.6	869.9
-57.5°	493.3	544.3	592.6	637.8	680.4	720.4	753.6	783.4	813.2	841.5	854.6
-60°	418.8	467.5	517.8	572.3	627.3	681.9	722.2	760.6	796.8	827.1	843.3
-62.5°	338.7	383.0	428.1	477.1	529.4	580.6	624.5	670.3	717.2	757.7	783.5
-65°	247.6	285.4	325.8	366.0	405.7	446.6	485.8	524.4	561.8	592.2	613.3
-67.5°	177.5	201.9	226.9	252.6	283.4	315.0	344.0	372.0	398.8	420.2	436.0
-70°	122.0	137.8	152.5	168.9	188.6	207.8	225.7	242.6	258.5	272.0	283.2
-72.5°	75.9	86.2	96.4	107.9	119.2	129.9	140.0	149.5	158.3	166.3	173.4
-75°	38.2	43.0	51.1	58.8	66.0	73.5	80.5	86.6	92.0	96.4	100.2
-77.5°	24.7	27.8	30.8	33.5	36.1	39.6	43.5	47.4	51.3	54.5	57.5
-80°	17.3	19.0	20.8	22.6	24.5	26.7	28.9	31.2	33.3	34.8	36.0
-82.5°	12.3	13.3	14.3	15.4	16.5	18.0	19.6	21.1	22.6	23.7	24.8
-85°	8.8	9.2	9.7	10.2	10.7	12.1	13.6	15.0	16.3	17.3	18.2
-87.5°	6.4	6.4	6.5	6.5	6.5	7.8	9.0	10.3	11.6	12.1	12.5
-90°	3.3	3.3	3.3	3.3	3.3	2.9	2.5	2.1	1.7	1.7	1.7



REPORT NUMBER: P731583 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.9	11.7	11.7	11.7	11.7	11.7	10.9	10.1	9.2	8.4	7.6
87.5°	1.7	1.7	0.9	0.0	0.9	1.7	1.7	1.7	1.7	1.7	2.1
85°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.2	3.2
82.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
80°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
77.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.7
75°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.4	3.8
72.5°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.8	5.4
70°	6.6	6.6	5.9	5.0	5.9	6.6	6.6	6.5	6.4	6.5	7.2
67.5°	8.3	8.3	9.1	10.0	9.1	8.3	8.3	8.2	8.0	8.2	8.9
65°	10.9	11.5	10.9	10.0	10.9	11.5	10.9	10.3	9.8	9.8	10.3
62.5°	9.6	10.0	9.3	8.4	9.3	10.0	9.6	9.3	9.0	9.3	10.0
60°	8.0	8.4	8.4	8.4	8.4	8.4	8.0	7.6	7.3	7.8	8.6
57.5°	7.7	8.2	8.4	8.4	8.4	8.2	7.7	7.2	6.7	7.1	7.6
55°	8.3	8.4	8.4	8.4	8.4	8.4	8.3	8.1	7.8	8.0	8.2
52.5°	11.2	11.5	11.6	11.7	11.6	11.5	11.2	10.8	10.4	10.1	9.9
50°	14.5	14.9	15.0	15.1	15.0	14.9	14.5	14.1	13.7	13.1	12.3
47.5°	19.9	20.0	20.0	20.1	20.0	20.0	19.9	19.5	18.9	18.1	16.8
45°	30.6	30.2	29.9	30.1	29.9	30.2	30.6	30.1	29.1	27.2	24.5
42.5°	49.7	49.8	49.7	50.2	49.7	49.8	49.7	48.5	47.2	43.9	39.7
40°	102.8	99.1	93.9	93.7	93.9	99.1	102.8	99.8	88.9	73.9	65.8
37.5°	214.0	217.8	217.3	220.9	217.3	217.8	214.0	203.6	182.5	145.1	129.7
35°	434.0	453.5	457.9	456.8	457.9	453.5	434.0	398.6	351.9	301.4	258.6
32.5°	714.9	740.7	747.9	757.9	747.9	740.7	714.9	683.4	611.3	529.5	461.9
30°	1256.8	1291.6	1258.5	1191.3	1258.5	1291.6	1256.8	1470.5	1155.4	1064.1	910.7
27.5°	4554.0	4721.1	4345.1	4208.0	4345.1	4721.1	4554.0	4158.3	3415.2	2844.3	2067.9
25°	9281.1	10019.8	10777.0	10709.8	10777.0	10019.8	9281.1	8594.4	7340.9	5727.0	4432.0
22.5°	14978.5	15727.1	16350.9	16565.8	16350.9	15727.1	14978.5	13423.9	11549.9	9347.0	7333.1
20°	23724.7	25182.5	26226.4	25114.0	26226.4	25182.5	23724.7	20840.7	17719.0	14265.9	11154.3
17.5°	37922.5	42312.6	44593.2	46033.3	44593.2	42312.6	37922.5	31052.8	26508.3	21391.7	16520.7
15°	58868.2	65488.8	69156.8	71585.7	69156.8	65488.8	58868.2	50099.5	40579.9	32594.6	25029.3
12.5°	83023.7	90242.2	93484.0	96130.0	93484.0	90242.2	83023.7	72197.4	58651.3	46671.3	35842.6
10°	105986.7	113785.3	119184.8	121990.9	119184.8	113785.3	105986.7	94863.4	80725.6	63940.6	46910.9
7.5°	127026.5	136566.4	142045.5	143789.6	142045.5	136566.4	127026.5	116418.8	100602.7	80631.5	60322.7
5°	147606.1	156117.9	162707.1	164201.1	162707.1	156117.9	147606.1	133659.7	116712.0	95472.3	71176.1
2.5°	163451.5	173652.6	179568.4	181356.8	179568.4	173652.6	163451.5	149196.2	129763.8	108002.5	80037.6
0°	170713.0	180209.8	187214.4	189726.7	187214.4	180209.8	170713.0	156717.2	137197.3	113802.6	83779.6
-2.5°	169194.2	177946.0	182959.9	183823.9	182959.9	177946.0	169194.2	156455.2	137210.4	113484.4	83358.2
-5°	163852.4	171893.5	176845.7	176987.3	176845.7	171893.5	163852.4	151178.0	132404.9	108552.0	79642.6
-7.5°	152118.8	159638.2	163090.7	163957.7	163090.7	159638.2	152118.8	140656.0	122999.9	98713.6	71691.1
-10°	140176.3	147152.4	150414.8	150775.8	150414.8	147152.4	140176.3	129493.6	110108.2	87543.7	62233.6
-12.5°	124706.9	132171.3	135428.7	136960.6	135428.7	132171.3	124706.9	111470.6	94221.6	73261.5	55936.0
-15°	101686.6	108904.6	112812.6	115698.2	112812.6	108904.6	101686.6	89608.0	74297.8	60173.3	46990.1
-17.5°	77020.6	83207.3	87058.6	90564.2	87058.6	83207.3	77020.6	66929.1	57769.1	47761.2	39014.1
-20°	54835.4	58775.4	59985.5	61874.7	59985.5	58775.4	54835.4	48577.1	42952.3	35945.9	30397.3



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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°	38513.7	40753.9	42172.9	42974.8	42172.9	40753.9	38513.7	35438.6	30919.2	26484.2	22681.5
-25°	26109.6	27663.2	28267.4	28963.9	28267.4	27663.2	26109.6	23810.2	21071.4	19064.6	16500.4
-27.5°	17489.3	18127.2	18562.9	18799.5	18562.9	18127.2	17489.3	16753.0	15074.1	13988.5	11991.0
-30°	13746.3	14329.7	14679.6	14790.6	14679.6	14329.7	13746.3	12996.3	12064.6	10835.8	9446.3
-32.5°	10642.7	11083.7	11319.4	11350.6	11319.4	11083.7	10642.7	10047.6	9279.0	8326.5	7219.6
-35°	7884.4	8286.1	8508.5	8492.9	8508.5	8286.1	7884.4	7367.1	6750.0	6013.7	5124.6
-37.5°	5433.1	5773.6	5982.5	6036.7	5982.5	5773.6	5433.1	5000.0	4496.5	3844.6	3274.1
-40°	3398.8	3648.9	3798.2	3818.1	3798.2	3648.9	3398.8	3073.3	2713.7	2273.7	1951.3
-42.5°	1951.1	2052.4	2109.3	2106.5	2109.3	2052.4	1951.1	1821.9	1674.6	1480.6	1316.8
-45°	1371.2	1393.9	1406.8	1408.8	1406.8	1393.9	1371.2	1341.3	1295.8	1240.9	1181.5
-47.5°	1225.6	1247.1	1258.6	1259.9	1258.6	1247.1	1225.6	1198.4	1160.8	1113.9	1062.4
-50°	1095.5	1120.9	1134.8	1137.7	1134.8	1120.9	1095.5	1064.8	1026.5	978.6	925.8
-52.5°	954.3	971.2	976.8	973.8	976.8	971.2	954.3	934.4	909.7	876.1	839.4
-55°	884.1	897.9	903.8	905.2	903.8	897.9	884.1	869.9	854.6	827.0	794.8
-57.5°	867.2	879.5	883.3	883.4	883.3	879.5	867.2	854.6	841.5	813.2	783.4
-60°	859.1	874.5	877.4	875.1	877.4	874.5	859.1	843.3	827.1	796.8	760.6
-62.5°	806.5	826.1	832.4	831.6	832.4	826.1	806.5	783.5	757.7	717.2	670.3
-65°	631.2	645.6	653.0	655.9	653.0	645.6	631.2	613.3	592.2	561.8	524.4
-67.5°	448.9	458.9	462.1	461.8	462.1	458.9	448.9	436.0	420.2	398.8	372.0
-70°	292.7	300.4	301.2	299.5	301.2	300.4	292.7	283.2	272.0	258.5	242.6
-72.5°	179.7	185.0	184.5	182.4	184.5	185.0	179.7	173.4	166.3	158.3	149.5
-75°	103.4	106.0	105.2	103.7	105.2	106.0	103.4	100.2	96.4	92.0	86.6
-77.5°	60.3	63.0	63.5	63.6	63.5	63.0	60.3	57.5	54.5	51.3	47.4
-80°	37.2	38.3	38.5	38.5	38.5	38.3	37.2	36.0	34.8	33.3	31.2
-82.5°	25.8	26.7	26.8	26.8	26.8	26.7	25.8	24.8	23.7	22.6	21.1
-85°	19.1	20.0	20.1	20.1	20.1	20.0	19.1	18.2	17.3	16.3	15.0
-87.5°	13.0	13.4	13.4	13.4	13.4	13.4	13.0	12.5	12.1	11.6	10.3
-90°	1.7	1.7	0.8	0.0	0.8	1.7	1.7	1.7	1.7	1.7	2.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.7	5.9	5.0	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7
87.5°	2.5	2.9	3.3	3.3	3.3	3.3	3.3	3.7	4.2	4.6	5.0
85°	3.2	3.2	3.3	3.6	3.9	4.2	4.4	4.5	4.6	4.8	5.0
82.5°	3.3	3.3	3.3	3.8	4.2	4.6	5.0	5.0	5.0	5.0	5.0
80°	3.3	3.3	3.4	3.8	4.2	4.6	5.0	5.1	5.1	5.0	5.1
77.5°	3.9	4.1	4.2	4.3	4.5	4.7	5.1	5.5	5.8	5.9	5.9
75°	4.3	4.7	5.1	5.2	5.2	5.1	5.2	5.6	6.0	6.4	6.7
72.5°	5.8	6.2	6.3	6.4	6.2	6.3	6.6	6.9	7.0	6.9	6.7
70°	7.9	8.6	9.4	9.9	10.1	10.0	9.8	9.6	9.3	9.3	8.7
67.5°	9.6	10.2	11.7	13.5	14.5	15.0	14.8	13.9	13.2	12.8	11.3
65°	10.8	11.6	13.9	16.1	18.0	19.7	21.3	21.3	20.2	18.0	14.4
62.5°	10.8	11.5	13.2	15.3	18.1	22.5	27.6	29.4	29.2	25.4	20.0
60°	9.3	10.3	12.1	13.8	15.6	21.5	30.3	36.6	40.1	33.9	25.7
57.5°	8.1	9.0	10.5	12.3	14.5	21.1	30.4	41.6	48.6	39.8	31.4
55°	8.3	8.8	9.5	10.6	12.3	18.7	27.1	37.2	45.2	42.7	33.5
52.5°	9.9	9.9	9.9	9.8	11.4	15.6	21.8	30.9	35.8	35.1	32.2
50°	11.6	11.9	11.8	11.4	12.1	13.3	17.3	24.1	26.8	28.2	27.1
47.5°	16.3	16.1	14.9	14.3	14.7	14.5	15.8	17.8	21.6	22.0	22.4
45°	24.4	23.8	21.9	21.1	19.7	18.9	17.6	19.5	20.5	21.2	18.6
42.5°	38.3	35.8	33.3	32.0	29.4	26.8	24.6	25.1	24.7	23.7	23.0
40°	60.7	52.9	49.8	47.3	44.0	38.4	37.2	34.1	32.5	29.7	30.6
37.5°	107.2	82.5	77.3	66.8	62.0	58.7	54.7	49.1	42.7	45.4	45.0
35°	204.7	168.5	135.2	108.7	87.3	91.1	80.1	69.0	65.0	68.6	65.3
32.5°	360.9	358.3	262.9	203.3	178.4	152.4	125.6	97.7	107.8	105.4	93.0
30°	755.8	807.8	620.5	452.9	413.3	293.7	198.7	182.5	174.3	154.3	128.8
27.5°	1993.3	1780.0	1458.0	1145.7	843.8	606.2	392.1	289.8	260.5	224.7	183.0
25°	3875.9	3462.8	2747.6	2199.2	1710.3	1046.6	670.8	474.1	371.0	311.7	256.5
22.5°	5999.8	5128.2	4164.4	3342.4	2602.5	1725.6	1069.0	686.7	495.5	414.1	343.5
20°	8431.6	6915.0	5658.9	4581.5	3473.0	2361.9	1515.3	1026.8	702.1	528.5	432.2
17.5°	12488.5	9153.2	7640.3	6109.5	4594.1	3171.2	2338.8	1565.1	925.6	647.8	520.3
15°	17957.1	13733.2	10825.8	8277.8	6274.0	4862.7	3515.5	2250.6	1241.9	812.1	629.6
12.5°	27210.3	20203.4	14896.0	11441.3	9121.3	7004.2	5051.0	3266.0	1785.4	1026.8	762.9
10°	36102.3	27053.4	20217.1	15663.9	12350.5	9435.0	6618.1	4174.1	2277.8	1250.0	890.9
7.5°	44701.7	33519.3	25189.5	19254.9	14853.4	11175.0	7892.1	5010.5	2707.0	1468.0	1012.8
5°	51686.8	38219.8	28174.9	21020.3	16523.2	12693.8	9087.5	5795.1	3068.1	1674.4	1127.8
2.5°	55862.4	41077.3	30437.2	22280.3	17704.4	13742.8	9954.6	6279.6	3236.8	1784.8	1192.2
0°	57310.4	42534.8	30511.5	22328.2	17633.3	13843.6	10338.4	6434.9	3269.3	1852.2	1248.2
-2.5°	56778.8	41516.1	29966.0	21762.8	17176.2	13265.6	9862.5	6463.0	3452.2	1921.8	1290.7
-5°	54246.9	38674.7	27935.3	20455.1	16215.5	12585.2	9359.0	6327.1	3535.4	1954.4	1323.9
-7.5°	50257.1	35797.3	25462.9	18826.7	15022.9	11775.0	8822.3	6049.1	3492.5	1931.7	1329.4
-10°	45062.3	33104.2	24120.8	18343.7	14312.2	10896.6	8208.6	5658.6	3314.7	1866.4	1324.6
-12.5°	41288.6	30408.3	22491.6	17831.5	14128.5	10715.5	7848.3	5201.6	2986.5	1755.3	1309.4
-15°	36231.6	27641.1	21459.9	17146.4	13672.3	10287.4	7385.3	4637.3	2477.5	1582.1	1283.5
-17.5°	30664.8	24491.4	19607.8	15510.8	12250.2	9524.4	6623.9	3986.8	2110.9	1403.0	1216.1
-20°	24708.3	20585.8	16885.1	13363.1	10290.9	7713.1	5370.1	3111.7	1795.1	1310.9	1140.4



REPORT NUMBER: P731583 (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°
-22.5°	19679.3	16573.7	13405.4	10616.4	8077.3	5843.9	3863.6	2180.9	1402.7	1209.5	1053.3
-25°	14707.4	12476.2	9944.2	7996.2	5915.3	3981.4	2516.3	1668.9	1259.2	1103.6	955.7
-27.5°	10766.9	8950.5	7329.8	5793.3	4135.3	2694.7	1742.5	1259.2	1129.4	996.4	859.3
-30°	8100.4	6803.7	5424.2	4085.6	2845.5	1809.5	1275.0	1122.7	1015.1	898.3	776.6
-32.5°	6046.3	4948.2	3791.4	2744.1	1851.5	1340.6	1130.6	1000.1	913.5	812.1	718.5
-35°	4174.8	3311.0	2407.9	1782.8	1310.9	1150.4	1032.6	927.4	823.8	735.8	667.1
-37.5°	2614.0	2000.0	1604.8	1253.9	1150.3	1049.3	955.0	850.3	746.6	681.5	622.2
-40°	1655.7	1323.4	1224.2	1131.2	1048.5	967.6	866.9	766.6	697.4	632.2	580.4
-42.5°	1250.7	1176.0	1101.9	1031.7	954.7	863.6	775.9	710.5	648.9	592.8	548.5
-45°	1123.6	1063.1	998.9	923.4	841.8	775.0	713.0	657.1	603.9	562.7	520.2
-47.5°	1003.6	941.6	875.6	818.8	762.8	707.7	657.6	608.0	575.4	536.9	482.8
-50°	877.6	836.4	790.4	741.8	697.6	651.8	617.2	585.5	547.6	498.9	441.7
-52.5°	801.2	767.4	728.8	685.0	653.2	627.0	596.7	554.1	509.8	451.9	389.9
-55°	757.3	728.0	700.4	670.1	634.4	596.1	556.5	509.0	452.2	394.1	337.7
-57.5°	753.6	720.4	680.4	637.8	592.6	544.3	493.3	441.3	388.8	336.1	284.2
-60°	722.2	681.9	627.3	572.3	517.8	467.5	418.8	370.7	323.3	275.9	229.8
-62.5°	624.5	580.6	529.4	477.1	428.1	383.0	338.7	294.4	253.2	213.9	176.7
-65°	485.8	446.6	405.7	366.0	325.8	285.4	247.6	216.4	187.4	156.9	125.9
-67.5°	344.0	315.0	283.4	252.6	226.9	201.9	177.5	152.1	131.3	113.5	95.5
-70°	225.7	207.8	188.6	168.9	152.5	137.8	122.0	106.4	91.6	78.1	64.1
-72.5°	140.0	129.9	119.2	107.9	96.4	86.2	75.9	65.2	54.3	43.2	35.0
-75°	80.5	73.5	66.0	58.8	51.1	43.0	38.2	34.8	31.5	28.2	24.7
-77.5°	43.5	39.6	36.1	33.5	30.8	27.8	24.7	22.5	21.1	19.8	18.4
-80°	28.9	26.7	24.5	22.6	20.8	19.0	17.3	16.4	15.5	14.8	14.1
-82.5°	19.6	18.0	16.5	15.4	14.3	13.3	12.3	11.9	11.5	11.1	10.6
-85°	13.6	12.1	10.7	10.2	9.7	9.2	8.8	8.6	8.5	8.3	8.1
-87.5°	9.0	7.8	6.5	6.5	6.5	6.4	6.4	6.4	6.5	6.6	6.7
-90°	2.5	2.9	3.3	3.3	3.3	3.3	3.3	3.7	4.2	4.6	5.0



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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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7
85°	5.2	5.2	5.3	5.3	5.5	5.9	6.3	6.7	6.7	6.7	6.7
82.5°	5.5	5.8	6.1	6.2	6.2	6.3	6.5	6.7	6.8	6.7	6.7
80°	5.5	5.9	6.3	6.7	6.7	6.7	6.6	6.7	7.0	7.0	7.0
77.5°	6.0	6.1	6.4	6.7	6.7	6.7	6.7	6.8	7.2	7.3	7.4
75°	6.7	6.6	6.6	6.8	6.8	6.7	6.7	6.8	7.2	7.7	7.8
72.5°	6.7	6.7	6.7	6.9	7.2	7.2	7.0	6.9	7.3	7.7	8.1
70°	7.8	7.0	6.7	7.0	7.4	7.7	7.7	7.4	7.3	7.7	8.1
67.5°	10.0	9.0	8.0	7.2	7.5	7.9	8.3	8.0	7.8	7.8	8.2
65°	12.7	11.2	9.9	8.6	8.0	8.0	8.4	8.4	8.1	8.0	8.2
62.5°	15.9	13.3	11.7	10.0	8.7	8.3	8.4	8.4	8.4	8.2	8.3
60°	19.5	15.6	13.4	11.6	9.8	8.5	8.4	8.4	8.4	8.4	8.4
57.5°	23.4	17.4	14.9	13.1	11.3	9.3	8.4	8.4	8.4	8.4	8.4
55°	26.0	19.8	16.5	14.2	12.5	10.7	8.8	8.4	8.4	8.4	8.4
52.5°	25.6	21.3	18.2	15.3	13.3	11.8	9.9	8.4	8.4	8.4	8.4
50°	23.1	21.8	19.3	16.3	13.9	12.4	10.9	9.1	8.4	8.4	8.4
47.5°	22.2	22.1	19.9	17.0	14.4	12.9	11.5	9.8	8.4	8.4	8.4
45°	21.8	22.9	20.9	17.8	14.9	13.4	11.9	10.5	8.9	8.5	8.4
42.5°	22.2	24.0	22.7	18.6	16.3	13.9	12.4	10.9	9.3	8.6	8.5
40°	28.5	25.8	25.2	22.8	18.3	14.4	12.8	11.2	9.7	8.8	8.6
37.5°	36.7	31.5	27.8	30.5	22.2	16.6	13.2	11.6	10.3	9.3	8.7
35°	54.3	40.5	38.3	40.5	31.6	19.2	13.5	11.9	10.8	9.7	8.9
32.5°	76.5	60.8	58.0	52.7	43.4	22.1	15.1	12.7	11.3	10.2	9.2
30°	108.9	98.0	82.9	67.4	57.0	32.9	18.2	13.8	11.8	10.6	9.4
27.5°	158.1	139.4	113.7	90.0	71.0	46.0	22.2	15.1	12.3	11.0	9.8
25°	215.0	186.1	152.9	117.7	86.8	63.9	26.5	16.7	13.2	11.4	10.1
22.5°	284.4	236.3	194.7	148.2	110.6	84.2	36.0	20.2	14.3	11.8	10.5
20°	356.8	288.9	239.6	182.3	139.2	104.3	51.6	23.8	15.6	12.2	10.8
17.5°	432.1	356.0	293.8	222.6	168.5	125.8	68.2	27.4	17.0	12.5	11.1
15°	533.6	441.7	352.9	265.3	196.5	148.4	85.4	30.9	18.4	12.9	11.4
12.5°	640.8	531.2	415.5	309.4	223.1	171.6	102.8	34.4	19.8	13.8	11.7
10°	747.1	622.6	480.2	353.9	248.2	195.0	120.0	39.3	23.1	15.3	12.1
7.5°	851.4	714.1	545.2	397.8	275.0	225.5	148.2	47.2	26.6	16.9	12.4
5°	945.7	795.7	609.4	451.5	317.9	263.0	178.1	55.2	30.2	18.6	12.8
2.5°	1005.5	859.0	669.6	503.1	359.6	299.0	206.6	63.0	33.6	20.2	13.1
0°	1059.1	915.2	724.5	550.5	399.9	333.0	232.6	70.3	36.8	21.8	13.4
-2.5°	1093.0	948.2	754.5	588.1	441.6	370.3	264.2	90.9	48.8	28.1	16.0
-5°	1121.4	973.9	779.6	621.6	481.2	404.9	291.2	110.4	60.1	34.1	18.5
-7.5°	1131.8	979.1	792.6	648.1	518.8	436.5	313.1	128.1	70.7	39.6	20.8
-10°	1131.9	968.2	788.4	647.6	527.9	449.8	326.3	143.7	80.1	44.4	22.8
-12.5°	1123.9	949.9	780.3	642.8	529.5	446.1	316.8	154.0	88.0	48.5	24.5
-15°	1107.2	924.2	768.8	633.4	528.4	440.2	304.9	160.7	94.1	51.9	25.9
-17.5°	1073.2	891.1	754.2	619.5	524.4	432.0	291.4	165.2	98.7	54.7	27.3
-20°	993.2	843.4	736.3	601.0	517.3	421.7	276.6	167.4	101.5	56.3	28.7



REPORT NUMBER: P731583 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	909.0	788.4	690.7	588.9	505.5	409.3	261.2	167.0	102.4	56.6	29.5
-25°	822.6	732.4	641.4	561.1	488.6	386.2	252.2	164.0	101.3	55.7	29.9
-27.5°	753.0	676.3	593.8	533.2	460.8	363.9	247.5	162.3	98.9	53.3	29.6
-30°	690.4	624.3	559.3	504.3	432.5	332.1	239.5	158.0	96.1	51.7	28.7
-32.5°	641.5	576.1	528.8	472.2	397.7	299.9	222.3	151.0	91.2	50.6	28.1
-35°	602.4	543.6	498.7	440.1	360.2	274.6	201.1	141.0	84.3	48.6	27.1
-37.5°	564.0	518.7	464.2	404.2	322.9	247.0	181.4	125.6	75.4	45.8	25.5
-40°	536.8	489.9	433.3	363.9	289.1	217.4	160.2	110.5	69.5	42.0	23.3
-42.5°	508.3	455.0	394.0	324.4	254.5	192.4	138.2	94.7	62.9	38.4	20.6
-45°	469.5	415.2	350.9	285.2	219.2	166.0	119.9	79.3	55.5	34.6	18.2
-47.5°	426.8	368.0	307.7	245.3	189.0	140.1	100.9	70.5	47.7	29.9	16.9
-50°	376.1	321.0	264.6	210.1	158.4	118.6	83.5	61.1	41.0	24.1	15.3
-52.5°	329.6	275.2	224.5	175.5	133.0	96.4	72.4	51.3	33.8	20.5	13.4
-55°	282.4	231.5	185.5	143.9	107.2	81.3	60.7	42.5	26.1	17.7	11.5
-57.5°	235.1	188.5	149.1	113.1	87.5	67.8	49.4	33.0	21.5	14.7	11.2
-60°	186.6	148.0	112.6	90.6	71.9	54.1	38.0	24.8	17.6	12.0	10.8
-62.5°	140.7	109.6	90.3	72.8	55.9	40.3	27.1	19.9	13.5	11.6	10.4
-65°	105.7	87.1	70.3	54.3	39.5	27.9	21.0	14.7	12.2	11.1	10.1
-67.5°	78.6	63.1	48.7	35.1	27.4	21.1	14.8	12.6	11.6	10.6	10.1
-70°	50.6	37.9	30.8	25.5	19.9	15.0	13.2	12.0	11.1	10.5	10.1
-72.5°	30.8	26.5	22.1	17.6	15.5	13.7	12.4	11.4	10.7	10.3	10.0
-75°	21.0	18.8	17.0	15.2	13.6	12.3	11.5	10.8	10.3	10.0	9.7
-77.5°	16.8	15.3	13.9	12.8	11.9	11.2	10.6	10.2	9.8	9.5	9.2
-80°	13.2	12.4	11.6	11.0	10.4	10.0	9.7	9.5	9.2	9.0	8.7
-82.5°	10.1	9.8	9.6	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.2
-85°	8.1	8.3	8.4	8.6	8.5	8.4	8.3	8.1	8.0	7.9	7.7
-87.5°	7.0	7.2	7.5	7.7	7.6	7.5	7.5	7.4	7.4	7.3	7.2
-90°	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7



REPORT NUMBER: P731583 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.8	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	7.2	6.8	6.7	6.7	6.7	6.7	6.7
75°	7.6	7.2	6.8	6.7	6.7	6.7	6.7
72.5°	8.0	7.5	7.0	6.7	6.7	6.7	6.7
70°	8.4	7.9	7.3	6.7	6.7	6.7	6.7
67.5°	8.4	8.2	7.6	6.9	6.7	6.7	6.7
65°	8.4	8.4	7.9	7.2	6.7	6.7	6.7
62.5°	8.4	8.4	8.1	7.3	6.7	6.7	6.7
60°	8.4	8.4	8.4	7.5	6.7	6.7	6.7
57.5°	8.4	8.4	8.4	7.7	6.8	6.7	6.7
55°	8.4	8.4	8.4	7.9	6.9	6.7	6.7
52.5°	8.4	8.4	8.4	8.1	7.1	6.7	6.7
50°	8.4	8.4	8.4	8.3	7.2	6.7	6.7
47.5°	8.4	8.4	8.4	8.4	7.3	6.7	6.7
45°	8.4	8.4	8.4	8.4	7.4	6.7	6.7
42.5°	8.4	8.4	8.4	8.4	7.5	6.7	6.7
40°	8.4	8.4	8.4	8.4	7.6	6.7	6.7
37.5°	8.4	8.4	8.4	8.4	7.7	6.7	6.7
35°	8.4	8.4	8.4	8.4	7.8	6.7	6.7
32.5°	8.4	8.4	8.4	8.4	7.9	6.7	6.7
30°	8.6	8.4	8.4	8.4	7.9	6.7	6.7
27.5°	8.8	8.4	8.4	8.4	8.0	6.7	6.7
25°	9.0	8.4	8.4	8.4	8.1	6.7	6.7
22.5°	9.2	8.4	8.4	8.4	8.1	6.7	6.7
20°	9.4	8.5	8.4	8.4	8.2	6.7	6.7
17.5°	9.6	8.7	8.4	8.4	8.2	6.7	6.7
15°	9.7	8.9	8.4	8.4	8.3	6.7	6.7
12.5°	9.8	9.0	8.4	8.4	8.3	6.7	6.7
10°	9.9	9.2	8.4	8.4	8.3	6.7	6.7
7.5°	10.0	9.4	8.4	8.4	8.4	6.7	6.7
5°	10.0	9.6	8.4	8.4	8.4	6.7	6.7
2.5°	10.0	9.8	8.4	8.4	8.4	6.7	6.7
0°	10.0	10.0	8.4	8.4	8.4	6.7	6.7
-2.5°	10.9	10.0	8.4	8.4	8.4	6.7	6.7
-5°	11.8	10.0	8.4	8.4	8.4	6.7	6.7
-7.5°	12.5	9.9	8.4	8.4	8.4	6.7	6.7
-10°	13.2	9.9	8.4	8.4	8.3	6.7	6.7
-12.5°	13.8	9.8	8.4	8.4	8.3	6.7	6.7
-15°	14.2	9.7	8.4	8.4	8.3	6.7	6.7
-17.5°	14.4	9.6	8.4	8.4	8.2	6.7	6.7
-20°	14.8	9.5	8.4	8.4	8.2	6.7	6.7



REPORT NUMBER: P731583 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.3	9.4	8.4	8.4	8.1	6.7	6.7
-25°	15.6	9.5	8.4	8.4	8.1	6.7	6.7
-27.5°	15.6	9.7	8.4	8.4	8.0	6.7	6.7
-30°	15.1	9.7	8.4	8.4	7.9	6.7	6.7
-32.5°	14.3	9.6	8.5	8.4	7.9	6.7	6.7
-35°	13.9	9.4	8.6	8.4	7.8	6.7	6.7
-37.5°	13.7	9.3	8.6	8.4	7.7	6.7	6.7
-40°	13.2	9.3	8.6	8.4	7.6	6.7	6.7
-42.5°	12.6	9.4	8.7	8.4	7.5	6.7	6.7
-45°	11.7	9.4	8.7	8.5	7.4	6.7	6.7
-47.5°	10.6	9.3	8.8	8.5	7.3	6.7	6.7
-50°	10.4	9.3	8.8	8.4	7.2	6.7	6.7
-52.5°	10.3	9.2	8.9	8.3	7.1	6.7	6.7
-55°	10.1	9.2	8.9	8.1	6.9	6.7	6.7
-57.5°	9.9	9.3	9.0	8.0	6.8	6.7	6.7
-60°	9.7	9.3	9.0	7.8	6.7	6.7	6.7
-62.5°	9.7	9.4	8.8	7.6	6.7	6.7	6.7
-65°	9.8	9.4	8.5	7.5	6.7	6.7	6.7
-67.5°	9.8	9.3	8.3	7.3	6.7	6.7	6.7
-70°	9.9	9.0	8.0	7.1	6.7	6.7	6.7
-72.5°	9.5	8.7	7.8	7.0	6.7	6.7	6.7
-75°	9.2	8.4	7.5	7.0	6.7	6.7	6.7
-77.5°	8.8	8.0	7.4	7.0	6.7	6.7	6.7
-80°	8.4	7.8	7.3	6.9	6.7	6.7	6.7
-82.5°	8.0	7.5	7.1	6.9	6.7	6.7	6.7
-85°	7.6	7.2	7.0	6.8	6.7	6.7	6.7
-87.5°	7.1	7.0	6.8	6.8	6.7	6.7	6.7
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(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

