

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: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-80-3S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-40-80-3S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

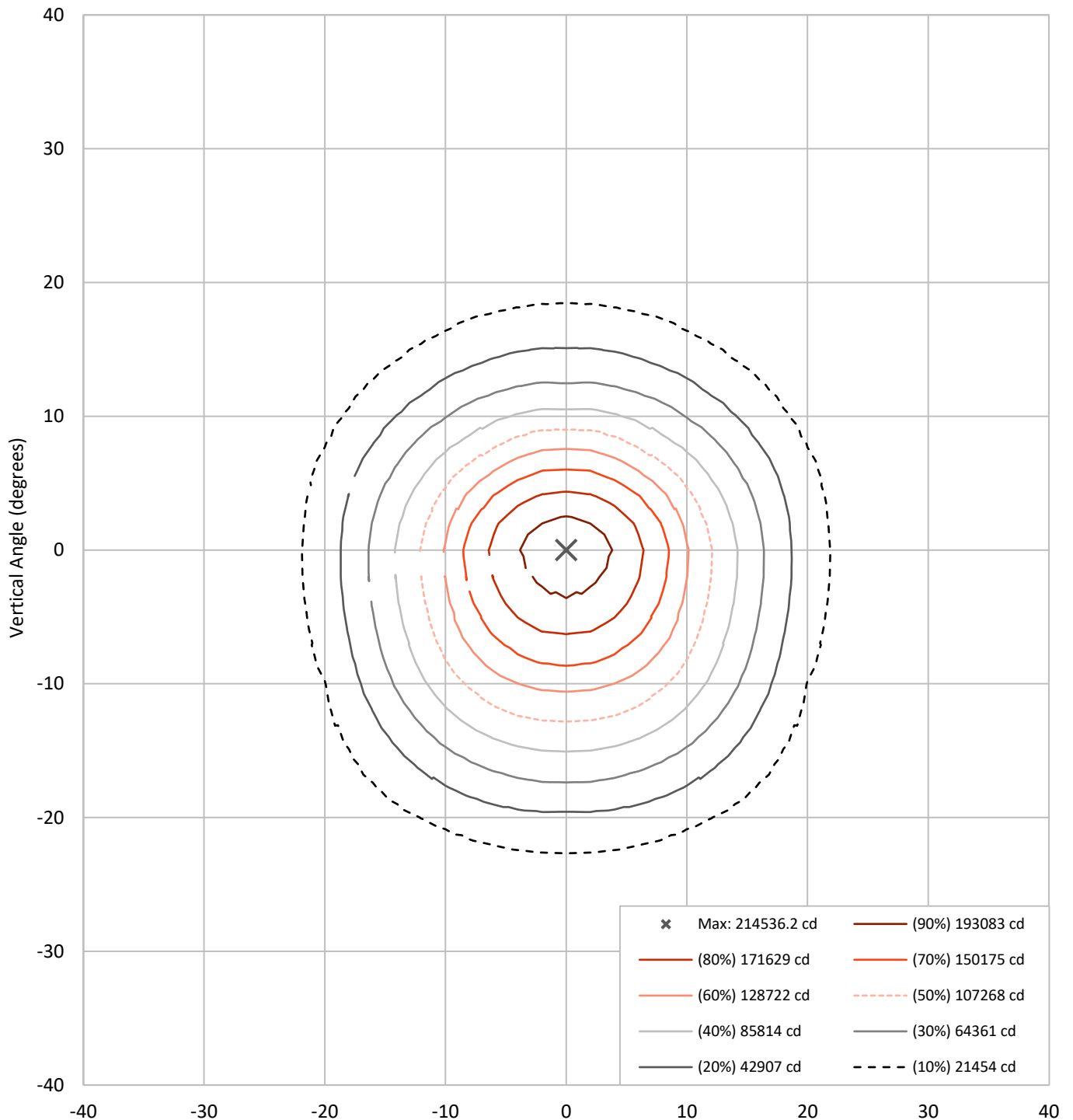
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	42346.8 lumens	Max Intensity:	214536.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	122.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	19188 lumens	Field Lumens:	36311.6 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 345.8
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

REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

Iso-Candela Plot





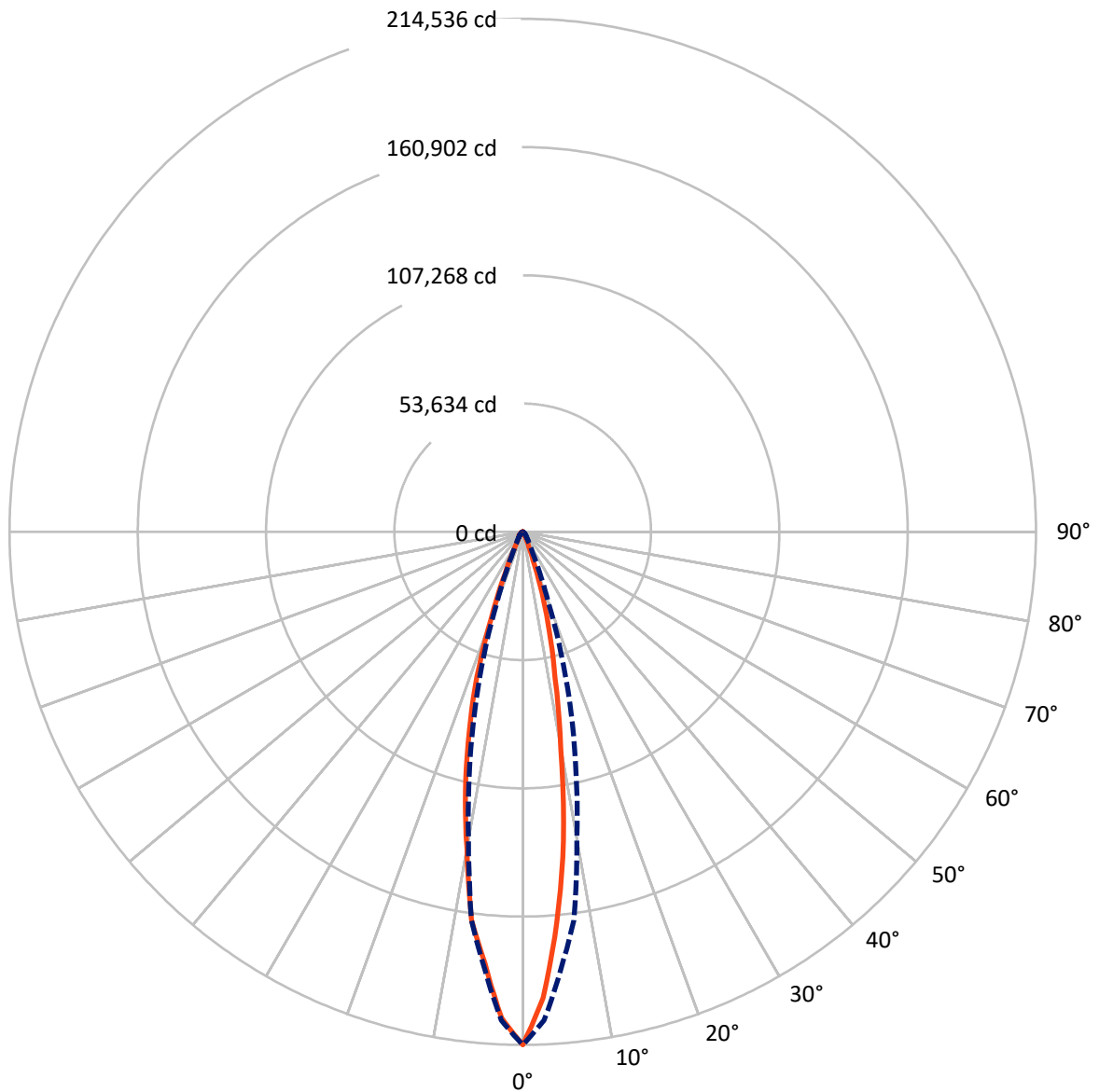
REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

Lumen Table

90	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1		
80	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1		
70	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1				
50	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.7	0.5	0.4	0.3	0.2	0.1	0.1			
40		0.1	0.5	1.2	2.3	3.5	4.5	5.5	5.5	4.5	3.5	2.3	1.2	0.5	0.1				
30	0.2	0.3	1.7	5.6	14.7	25.4	58.2	121.6	121.6	58.2	25.4	14.7	5.6	1.7	0.3	0.2			
20		0.6	4.2	15.0	37.1	101.7	534.4	1254.7	1254.7	534.4	101.7	37.1	15.0	4.2	0.6				
10	0.2	1.1	7.3	28.1	67.9	306.1	1844.6	4219.7	4219.7	1844.6	306.1	67.9	28.1	7.3	1.1	0.2			
0		1.9	9.7	34.0	77.9	330.3	2128.7	4796.9	4796.9	2128.7	330.3	77.9	34.0	9.7	1.9				
-10	0.4	2.2	9.9	32.3	71.6	192.5	1088.4	2383.1	2383.1	1088.4	192.5	71.6	32.3	9.9	2.2	0.4			
-20		2.0	8.3	21.1	49.3	86.9	199.6	406.6	406.6	199.6	86.9	49.3	21.1	8.3	2.0				
-30	0.3	1.7	6.0	13.0	28.6	51.1	70.7	85.5	85.5	70.7	51.1	28.6	13.0	6.0	1.7	0.3			
-40		1.2	4.2	9.1	16.4	28.2	45.8	59.6	59.6	45.8	28.2	16.4	9.1	4.2	1.2				
-50	0.2	0.6	2.6	6.0	10.7	16.1	21.0	24.1	24.1	21.0	16.1	10.7	6.0	2.6	0.6	0.2			
-60		0.2	1.0	3.0	6.0	9.7	13.3	15.5	15.5	13.3	9.7	6.0	3.0	1.0	0.2				
-70	0.1	0.6		2.1		5.8		8.4		5.8		2.1		0.6		0.1			
-80		0.6		2.1		5.8		8.4		5.8		2.1		0.6					
-90	0.1		0.6		2.1		5.8		8.4		5.8		2.1		0.6		0.1		

REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

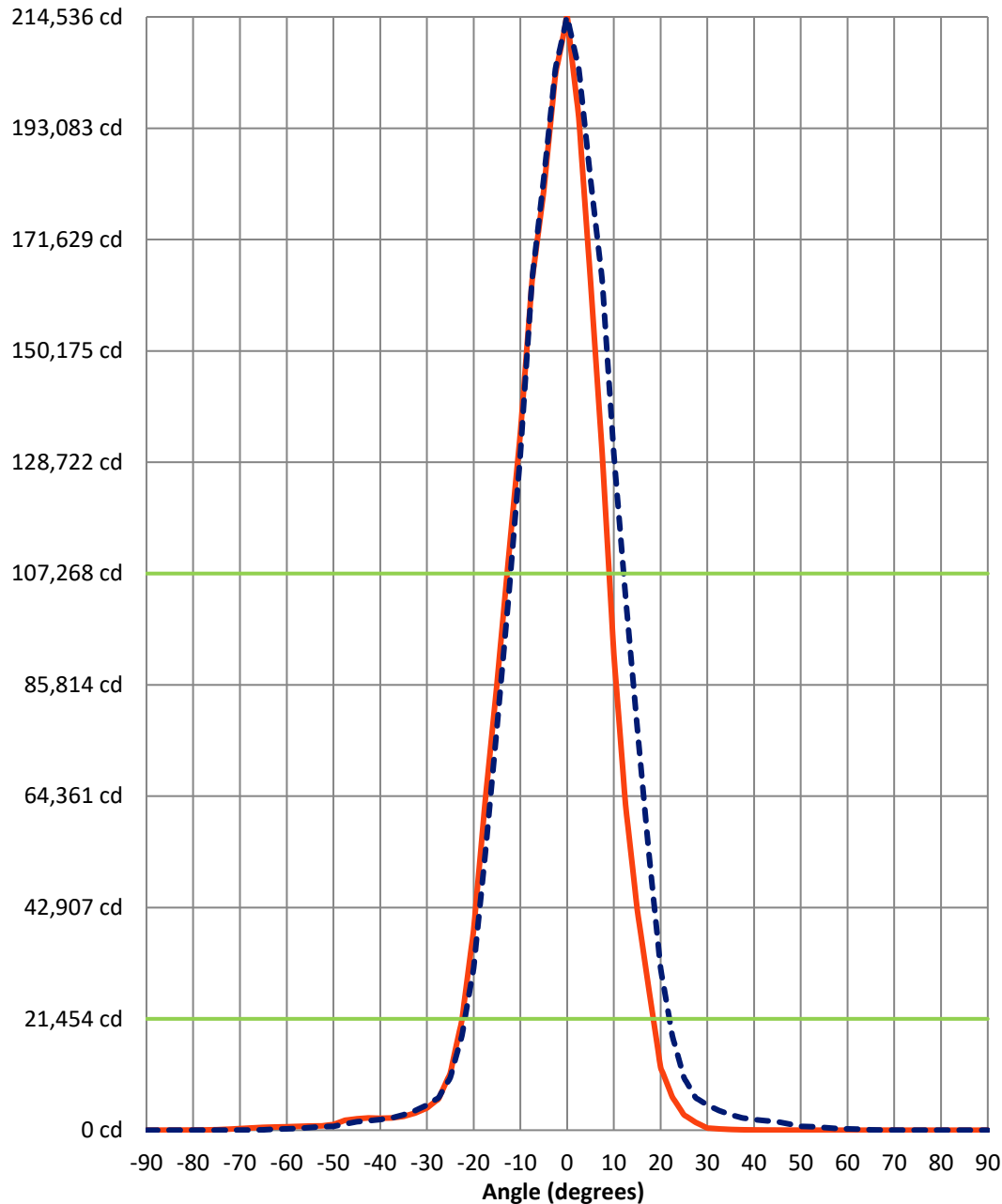
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 19188
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 36311.6
 Efficiency: 85.7%

Spill:
 Lumens: 6035.2
 Efficiency: 14.3%

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



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.8	6.1	6.3	6.6
87.5°	5.5	5.5	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5
85°	5.5	5.5	5.7	5.7	5.7	5.6	5.5	5.5	5.5	5.5	5.5
82.5°	5.5	5.6	5.8	5.8	5.8	5.7	5.5	5.5	5.5	5.5	5.5
80°	5.5	5.6	5.9	5.9	5.9	5.8	5.6	5.7	5.7	5.7	5.5
77.5°	5.5	5.6	6.0	6.0	6.0	5.9	5.8	5.9	5.9	5.8	5.6
75°	5.5	5.6	6.0	6.2	6.1	6.0	6.1	6.2	6.1	5.9	5.6
72.5°	5.5	5.7	6.1	6.3	6.2	6.2	6.4	6.4	6.1	5.9	5.6
70°	5.5	5.7	6.2	6.4	6.3	6.4	6.6	6.4	6.2	5.9	5.6
67.5°	5.5	5.7	6.3	6.4	6.4	6.5	6.6	6.5	6.2	5.9	5.7
65°	5.5	5.7	6.3	6.5	6.5	6.6	6.6	6.5	6.2	6.0	5.8
62.5°	5.5	5.7	6.4	6.5	6.5	6.6	6.6	6.5	6.3	6.1	6.2
60°	5.5	5.7	6.5	6.5	6.6	6.6	6.6	6.6	6.3	6.3	6.5
57.5°	5.5	5.7	6.4	6.5	6.6	6.6	6.6	6.6	6.4	6.5	6.6
55°	5.5	5.8	6.4	6.6	6.6	6.6	6.6	6.6	6.5	6.6	6.6
52.5°	5.5	5.8	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
50°	5.5	5.8	6.4	6.6	6.6	6.6	6.6	6.7	6.6	6.6	7.1
47.5°	5.5	5.8	6.4	6.6	6.6	6.6	6.6	6.7	6.6	6.6	7.6
45°	5.5	5.8	6.4	6.6	6.6	6.6	6.7	6.8	6.7	6.9	8.0
42.5°	5.5	5.8	6.4	6.6	6.6	6.6	6.8	6.9	6.7	7.2	8.4
40°	5.5	5.8	6.4	6.6	6.6	6.6	6.9	7.0	6.9	7.5	8.7
37.5°	5.5	5.8	6.4	6.6	6.6	6.6	7.1	7.1	7.2	7.9	8.9
35°	5.5	5.8	6.4	6.6	6.6	6.7	7.2	7.1	7.5	8.3	8.9
32.5°	5.5	5.7	6.4	6.6	6.6	6.8	7.3	7.2	7.8	8.9	9.7
30°	5.5	5.7	6.5	6.6	6.6	6.9	7.4	7.3	8.1	9.4	10.7
27.5°	5.5	5.7	6.5	6.6	6.6	7.0	7.5	7.5	8.5	10.1	11.9
25°	5.5	5.7	6.5	6.6	6.6	7.2	7.5	7.8	9.0	11.0	13.4
22.5°	5.5	5.7	6.5	6.6	6.6	7.3	7.6	8.0	9.5	12.1	16.4
20°	5.5	5.7	6.5	6.6	6.6	7.4	7.7	8.2	10.0	13.3	19.2
17.5°	5.5	5.7	6.5	6.6	6.6	7.4	7.8	8.4	10.6	14.5	22.0
15°	5.5	5.6	6.5	6.6	6.6	7.5	7.9	8.6	11.1	15.9	24.6
12.5°	5.5	5.6	6.6	6.6	6.6	7.6	8.0	8.9	12.1	17.2	27.0
10°	5.5	5.6	6.6	6.6	6.6	7.6	8.2	9.1	13.4	19.9	31.4
7.5°	5.5	5.6	6.6	6.6	6.6	7.7	8.3	9.3	14.8	22.7	40.2
5°	5.5	5.5	6.6	6.6	6.6	7.7	8.5	9.5	16.2	25.5	49.4
2.5°	5.5	5.5	6.6	6.6	6.6	7.7	8.6	9.7	17.5	28.3	58.6
0°	5.5	5.5	6.6	6.6	6.6	7.7	8.8	9.9	18.8	30.9	67.4
-2.5°	5.5	5.5	6.6	6.6	6.6	7.7	9.7	13.2	24.9	41.1	81.9
-5°	5.5	5.5	6.6	6.6	6.6	7.7	10.5	16.4	30.8	50.8	95.4
-7.5°	5.5	5.5	6.6	6.6	6.6	7.7	11.3	19.3	36.3	59.9	107.7
-10°	5.5	5.5	6.6	6.6	6.6	7.6	11.9	22.0	41.2	68.2	118.6
-12.5°	5.5	5.5	6.5	6.6	6.6	7.6	12.4	24.2	45.5	75.5	126.2
-15°	5.5	5.5	6.5	6.6	6.6	7.5	12.8	25.9	49.4	81.3	131.5
-17.5°	5.5	5.5	6.5	6.6	6.6	7.4	12.9	27.6	52.8	86.2	135.3
-20°	5.5	5.5	6.5	6.6	6.6	7.4	13.1	29.0	55.3	90.1	137.4



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.5	5.5	6.4	6.6	6.6	7.3	13.5	29.7	56.9	92.9	138.0
-25°	5.5	5.5	6.4	6.6	6.6	7.4	13.5	29.7	57.3	94.6	136.8
-27.5°	5.5	5.5	6.4	6.6	6.6	7.6	13.1	29.0	56.6	95.1	138.1
-30°	5.5	5.5	6.3	6.6	6.6	7.6	12.3	27.4	55.4	94.2	138.0
-32.5°	5.5	5.5	6.3	6.6	6.7	7.6	11.1	26.2	53.5	91.6	136.4
-35°	5.5	5.5	6.2	6.6	6.8	7.5	10.7	24.8	50.5	87.4	133.3
-37.5°	5.5	5.5	6.1	6.6	6.9	7.5	10.6	22.7	46.2	81.5	123.4
-40°	5.5	5.5	6.1	6.6	6.9	7.6	10.3	19.9	40.7	75.2	112.0
-42.5°	5.5	5.5	6.0	6.6	7.0	7.6	10.0	16.5	36.0	66.2	100.0
-45°	5.5	5.5	6.0	6.6	7.0	7.7	9.4	14.0	31.3	56.2	87.4
-47.5°	5.5	5.5	5.9	6.7	7.0	7.7	8.8	13.1	25.7	45.5	75.3
-50°	5.5	5.5	5.8	6.6	7.1	7.7	8.7	12.1	19.1	38.0	62.3
-52.5°	5.5	5.5	5.7	6.5	7.1	7.7	8.6	10.9	16.0	29.8	49.0
-55°	5.5	5.5	5.7	6.4	7.1	7.7	8.6	9.7	14.2	21.2	39.1
-57.5°	5.5	5.5	5.6	6.3	7.0	7.6	8.5	9.6	12.3	17.4	28.6
-60°	5.5	5.5	5.5	6.2	7.0	7.6	8.4	9.4	10.6	14.9	20.1
-62.5°	5.5	5.5	5.5	6.1	6.9	7.5	8.2	9.1	10.2	12.3	17.0
-65°	5.5	5.5	5.5	6.0	6.7	7.4	8.0	8.8	9.8	11.1	13.7
-67.5°	5.5	5.5	5.5	5.9	6.5	7.2	7.8	8.5	9.2	10.4	11.9
-70°	5.5	5.5	5.5	5.8	6.4	7.0	7.6	8.2	8.7	9.5	10.8
-72.5°	5.5	5.5	5.5	5.7	6.2	6.8	7.4	7.8	8.3	8.9	9.6
-75°	5.5	5.5	5.5	5.7	6.0	6.6	7.1	7.5	7.7	8.2	8.8
-77.5°	5.5	5.5	5.5	5.7	6.0	6.4	6.9	7.1	7.4	7.6	7.9
-80°	5.5	5.5	5.5	5.6	5.9	6.2	6.6	6.8	7.0	7.2	7.4
-82.5°	5.5	5.5	5.5	5.6	5.8	6.0	6.3	6.5	6.6	6.8	6.9
-85°	5.5	5.5	5.5	5.6	5.7	5.9	6.1	6.3	6.4	6.5	6.6
-87.5°	5.5	5.5	5.5	5.5	5.6	5.7	5.8	6.0	6.2	6.4	6.6
-90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.3	6.1	5.8	5.5	5.5	5.5	5.5	5.5	5.2	5.0	4.7
87.5°	5.2	5.0	4.7	4.4	4.4	4.4	4.4	4.4	4.1	3.9	3.6
85°	5.2	5.0	4.7	4.6	4.6	4.6	4.5	4.4	4.1	3.9	3.6
82.5°	5.3	5.2	5.2	5.2	5.1	4.9	4.7	4.4	4.2	3.9	3.6
80°	5.5	5.5	5.5	5.5	5.3	5.0	4.7	4.4	4.2	3.9	3.6
77.5°	5.5	5.5	5.5	5.5	5.3	5.0	4.8	4.5	4.2	3.9	3.6
75°	5.5	5.5	5.5	5.5	5.3	5.1	4.8	4.7	4.7	4.6	4.5
72.5°	5.5	5.5	5.5	5.5	5.4	5.3	5.3	5.4	5.6	5.7	5.6
70°	5.5	5.5	5.6	5.6	5.5	5.6	6.1	6.7	7.2	7.7	9.2
67.5°	5.6	5.8	5.9	5.8	5.9	6.5	7.2	10.1	13.8	15.4	16.3
65°	6.0	6.2	6.2	6.3	6.6	8.7	11.9	16.2	20.8	21.9	21.8
62.5°	6.5	6.4	6.5	7.1	8.8	11.8	16.2	21.2	26.3	25.3	21.9
60°	6.6	6.6	7.3	9.0	11.2	15.2	20.3	22.8	24.4	24.4	20.1
57.5°	6.6	7.2	8.7	11.0	14.4	17.7	18.8	20.2	21.4	22.1	17.3
55°	6.9	8.1	10.1	13.3	15.9	15.5	16.1	17.0	17.8	16.8	12.5
52.5°	7.6	9.0	11.7	14.5	15.1	13.9	13.0	13.7	13.1	11.4	9.4
50°	8.3	10.2	13.0	14.7	14.4	12.5	10.7	11.0	10.5	9.2	8.0
47.5°	9.0	11.2	13.9	15.1	13.5	12.2	10.7	10.4	9.8	10.2	9.6
45°	9.7	12.0	14.9	14.5	13.6	13.1	12.4	10.9	12.6	13.3	13.1
42.5°	10.2	12.6	14.8	14.3	15.1	15.4	15.2	15.8	16.9	18.3	19.0
40°	10.5	12.9	15.4	17.0	17.4	18.9	21.0	22.6	23.2	25.4	26.9
37.5°	10.7	14.1	17.6	21.9	21.3	24.4	27.9	33.8	35.6	33.4	37.6
35°	10.6	16.0	23.7	29.5	30.3	31.7	40.6	49.6	55.2	49.7	54.8
32.5°	11.8	18.5	31.4	39.6	45.5	47.0	55.9	74.5	84.0	85.4	85.9
30°	14.6	25.6	40.8	51.6	65.1	75.9	84.5	105.9	121.2	159.2	189.8
27.5°	18.1	34.2	52.3	69.7	89.8	109.9	130.2	147.1	196.6	268.0	347.5
25°	21.7	46.7	64.9	91.9	122.5	151.9	179.2	202.2	298.9	445.0	542.8
22.5°	28.5	61.4	83.2	116.6	158.6	197.2	230.8	291.8	427.0	643.4	748.6
20°	39.5	77.0	105.7	146.3	198.9	244.0	283.4	385.4	582.6	785.6	916.1
17.5°	51.7	93.4	130.2	183.8	251.1	300.9	341.3	476.4	733.6	927.5	1060.4
15°	64.5	110.2	154.3	224.6	308.2	370.0	451.9	618.0	866.9	1066.8	1229.8
12.5°	77.6	127.2	178.0	267.6	368.9	439.7	586.9	827.7	1049.8	1224.1	1468.1
10°	90.7	144.1	200.8	311.6	431.7	509.5	735.2	1034.9	1249.6	1428.8	1709.5
7.5°	116.3	168.0	225.4	355.4	494.9	578.6	890.8	1236.6	1436.6	1619.1	1914.9
5°	143.9	198.6	263.7	409.9	557.7	641.0	1035.4	1428.8	1612.1	1795.8	2089.1
2.5°	170.6	228.1	300.6	462.9	616.6	691.6	1121.8	1535.6	1725.9	1933.1	2237.3
0°	195.5	256.3	335.8	511.4	670.5	738.9	1191.8	1625.9	1821.4	2047.8	2367.1
-2.5°	215.5	283.8	368.8	539.0	689.2	765.8	1206.2	1659.1	1870.8	2113.3	2429.4
-5°	232.3	309.4	399.1	561.8	703.7	789.5	1203.3	1670.9	1912.2	2162.9	2486.1
-7.5°	245.3	332.6	426.7	578.3	711.2	800.8	1199.7	1686.6	1957.5	2196.7	2532.1
-10°	252.6	342.2	432.5	576.0	709.4	803.3	1173.5	1677.2	1994.6	2221.3	2546.5
-12.5°	245.0	339.1	431.0	568.7	704.4	802.9	1116.5	1640.7	2024.2	2238.1	2519.2
-15°	236.1	334.1	425.1	556.4	696.7	799.5	1025.6	1576.2	2009.3	2176.8	2439.4
-17.5°	226.5	327.2	414.4	539.0	686.6	793.3	892.5	1412.5	1857.5	2072.2	2353.0
-20°	216.5	318.3	398.7	516.6	672.2	762.8	829.8	1205.7	1640.4	1943.1	2201.9



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	206.6	307.5	381.8	495.9	620.2	712.4	783.5	994.6	1415.7	1783.4	1976.4
-25°	201.3	291.8	367.7	457.8	565.0	660.6	729.9	805.0	1180.8	1534.1	1777.1
-27.5°	198.8	277.7	346.9	419.9	512.5	605.8	671.9	742.7	949.3	1283.0	1574.5
-30°	194.3	258.3	325.1	385.6	467.9	548.7	613.6	686.6	769.7	1039.3	1308.5
-32.5°	183.4	238.6	302.3	360.5	426.2	496.9	568.8	640.2	711.3	809.4	1056.2
-35°	170.6	222.2	279.5	334.8	387.1	454.8	526.7	597.0	657.4	720.0	856.6
-37.5°	160.3	204.4	257.0	309.3	358.7	416.6	482.8	551.1	612.8	669.4	747.2
-40°	149.0	185.4	235.7	285.2	331.6	381.5	440.5	502.1	565.7	631.9	692.8
-42.5°	136.6	171.7	213.6	261.5	305.0	350.9	398.1	455.1	517.6	587.5	650.6
-45°	122.4	157.1	191.5	235.5	277.4	319.6	363.8	408.9	470.3	533.0	599.1
-47.5°	107.5	141.3	174.4	209.5	249.4	287.9	328.4	374.5	422.8	480.1	538.4
-50°	92.1	124.1	156.3	188.1	222.1	257.0	292.7	339.4	385.2	430.1	480.2
-52.5°	76.6	106.1	136.8	167.4	197.7	229.1	263.2	304.3	347.6	389.7	431.2
-55°	60.2	87.7	116.4	145.5	174.4	202.9	236.1	272.5	310.0	350.1	388.8
-57.5°	46.4	68.3	94.9	122.5	149.8	177.7	210.2	241.6	275.6	311.0	345.7
-60°	33.8	50.7	71.9	97.6	124.2	151.5	183.6	214.7	243.9	272.2	304.7
-62.5°	22.3	35.5	51.5	70.8	95.0	122.4	151.2	181.8	214.8	240.7	266.1
-65°	18.3	22.6	33.5	48.6	64.6	87.9	114.1	142.5	171.1	196.8	224.0
-67.5°	14.2	18.3	22.0	27.8	41.6	57.0	73.5	97.0	121.8	143.4	165.4
-70°	12.4	14.2	17.4	20.8	24.0	30.4	43.9	58.3	72.6	86.4	104.3
-72.5°	10.9	12.5	14.2	16.1	18.8	21.8	24.9	28.2	36.3	47.0	56.9
-75°	9.7	10.8	12.2	13.8	15.2	16.7	18.3	20.9	23.5	26.0	28.4
-77.5°	8.6	9.5	10.5	11.6	12.5	13.6	14.8	16.1	17.3	18.6	20.0
-80°	7.7	8.2	8.9	9.7	10.2	10.8	11.5	12.3	13.0	13.7	14.5
-82.5°	7.1	7.4	7.8	8.2	8.2	8.2	8.1	8.4	8.9	9.4	9.8
-85°	6.6	6.6	6.7	6.9	7.0	7.1	7.1	7.1	7.0	6.9	6.9
-87.5°	6.5	6.3	6.2	6.1	6.2	6.2	6.2	6.3	6.0	5.8	5.6
-90°	5.2	5.0	4.7	4.4	4.4	4.4	4.4	4.4	4.1	3.9	3.6



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.2	5.5	6.3	7.2
87.5°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
82.5°	3.3	3.2	3.1	3.0	3.0	2.8	2.6	2.3	2.1	1.9	1.6
80°	3.3	3.3	3.3	3.3	3.3	3.1	2.8	2.5	2.2	1.9	1.7
77.5°	3.5	3.5	3.5	3.4	3.3	3.1	2.8	2.5	2.2	2.0	1.7
75°	4.4	4.3	4.1	3.8	3.4	3.1	2.8	2.5	2.3	2.2	2.2
72.5°	5.4	5.1	4.9	5.2	5.1	5.0	4.8	4.5	4.1	4.0	4.2
70°	10.1	10.6	10.7	10.1	9.0	8.1	7.3	6.5	5.6	5.3	5.4
67.5°	16.1	15.4	14.4	13.1	11.2	9.6	8.5	7.6	6.7	6.4	6.4
65°	20.1	16.6	14.3	12.4	10.9	9.5	8.5	7.4	6.4	5.8	5.7
62.5°	18.3	14.4	11.9	10.4	9.3	8.5	7.1	6.1	5.2	4.8	4.9
60°	15.8	11.5	8.9	7.7	6.6	5.6	5.1	4.7	4.5	4.4	4.5
57.5°	12.5	8.7	6.5	6.1	5.5	4.7	4.5	4.6	4.5	4.4	4.4
55°	9.2	7.5	6.6	6.3	6.0	5.7	5.4	5.4	5.2	5.1	5.2
52.5°	7.4	7.4	7.5	7.4	7.1	6.8	6.5	6.5	6.6	6.8	7.1
50°	8.2	8.4	8.6	8.5	8.3	8.0	7.6	8.0	8.5	8.9	9.3
47.5°	9.5	9.9	10.5	9.8	9.9	10.5	10.1	10.2	11.9	12.9	13.6
45°	12.1	14.1	14.6	15.0	15.2	16.3	16.8	17.2	20.4	21.7	21.8
42.5°	19.4	21.2	22.7	24.2	23.9	27.5	32.4	35.1	34.9	34.4	35.0
40°	29.3	31.3	35.8	39.2	44.4	49.1	49.5	44.9	45.4	50.7	51.1
37.5°	44.0	50.2	59.1	69.0	71.6	68.6	70.4	73.7	77.1	82.0	87.7
35°	70.1	90.7	94.8	102.4	107.4	102.5	104.4	113.2	113.3	128.9	137.5
32.5°	124.4	156.0	165.7	158.8	172.1	180.1	155.6	186.5	192.4	208.4	228.1
30°	202.9	268.6	289.0	279.5	315.3	326.6	304.9	367.2	403.8	403.1	495.4
27.5°	385.6	418.5	456.6	514.8	522.2	541.7	664.5	759.5	880.1	994.1	1142.1
25°	590.0	608.6	717.9	789.8	825.4	955.2	1137.2	1285.7	1541.5	1780.3	2277.4
22.5°	778.2	847.8	981.1	1096.3	1225.7	1434.7	1685.8	1961.2	2641.1	3477.6	4527.2
20°	962.9	1054.5	1213.7	1420.9	1627.5	1911.9	2245.6	3118.3	4455.2	6481.4	8671.2
17.5°	1171.5	1259.5	1476.5	1769.1	2083.5	2509.7	3533.3	5200.8	8039.9	12003.7	15827.7
15°	1442.2	1593.7	1833.8	2266.1	2867.9	3872.3	5540.9	9653.9	15322.0	21486.2	28094.9
12.5°	1758.9	2008.6	2399.5	2958.2	3824.7	6197.4	10390.9	16995.5	25465.6	34123.1	44984.8
10°	2065.5	2483.2	3081.4	3961.7	5685.5	9425.1	15672.6	25204.5	38182.6	51568.3	63563.9
7.5°	2334.7	2887.5	3692.4	4926.2	7662.8	13067.5	22055.1	35337.5	51513.7	68055.0	84185.4
5°	2609.7	3266.9	4205.1	5648.6	8868.7	15704.1	27240.3	44613.9	64158.0	84192.4	105245.6
2.5°	2835.4	3585.5	4633.0	6247.4	9581.2	17121.0	30455.7	51074.9	73656.4	96593.0	122790.1
0°	2971.2	3783.1	4844.6	6266.1	10140.9	18237.3	31250.0	53362.0	77666.6	102884.6	130303.0
-2.5°	2975.5	3741.9	4741.5	6206.7	10021.1	17932.1	31305.4	53305.0	77450.9	101738.3	128795.7
-5°	2966.2	3648.1	4586.8	5993.5	9304.2	16340.2	28903.8	49851.4	73634.2	96619.1	121263.7
-7.5°	2952.0	3524.1	4367.2	5652.6	8386.7	14418.7	26137.6	45313.5	67752.5	89161.8	111222.9
-10°	2935.6	3395.8	4165.0	5360.1	7555.6	12133.3	21025.9	38489.5	59073.8	78829.9	96920.6
-12.5°	2921.6	3343.1	4002.1	4957.2	6545.3	10167.3	17751.3	31454.5	48123.8	64805.6	80831.2
-15°	2867.6	3273.3	3869.3	4658.0	5945.5	8478.6	13251.5	22723.6	36411.3	49589.1	62310.4
-17.5°	2757.2	3173.9	3548.9	4162.9	5091.6	6743.4	9870.6	15578.2	24366.8	34667.7	43642.5
-20°	2540.9	2826.5	3137.6	3659.1	4373.9	5243.5	6669.6	9921.8	14100.6	20819.7	25525.3



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2219.7	2459.9	2721.7	3069.1	3571.7	4185.4	4946.4	6148.8	8329.3	10919.0	13781.3
-25°	1926.7	2099.4	2341.9	2640.4	2909.4	3309.8	3843.1	4309.5	5251.4	6013.3	7587.5
-27.5°	1704.7	1848.2	2067.9	2299.4	2497.9	2712.4	3083.5	3413.2	3871.5	4271.6	4911.6
-30°	1544.1	1691.1	1867.7	2043.2	2231.8	2413.6	2579.8	2829.8	3104.6	3365.6	3704.1
-32.5°	1345.9	1577.9	1705.7	1854.1	2021.9	2181.0	2307.6	2465.7	2617.0	2789.9	2975.6
-35°	1138.8	1392.3	1588.5	1702.5	1827.1	1979.0	2108.8	2217.0	2317.2	2424.6	2522.7
-37.5°	894.9	1175.0	1398.5	1567.3	1681.1	1787.1	1926.3	2030.3	2096.6	2185.6	2252.7
-40°	769.1	881.3	1135.4	1364.7	1511.3	1678.4	1807.9	1918.0	2039.4	2134.1	2188.8
-42.5°	707.9	772.9	840.5	1027.8	1257.3	1457.9	1624.9	1805.9	1968.3	2097.4	2217.6
-45°	660.5	706.7	754.8	816.9	881.2	1068.9	1274.8	1486.5	1676.0	1853.2	2005.1
-47.5°	597.3	651.3	695.3	734.6	774.1	831.7	893.4	979.2	1161.4	1346.1	1522.2
-50°	532.2	581.9	630.4	676.0	713.0	742.1	765.4	803.3	858.2	912.8	966.5
-52.5°	470.9	517.1	561.0	605.2	648.5	686.9	720.9	747.7	769.7	788.5	801.2
-55°	427.0	463.4	497.6	539.7	581.3	619.9	655.8	688.6	718.6	745.8	764.6
-57.5°	381.4	417.0	452.5	487.9	522.3	555.5	588.9	621.4	651.9	679.7	698.3
-60°	336.2	366.7	401.8	438.4	472.7	504.7	535.8	564.9	592.1	615.5	630.5
-62.5°	293.6	322.4	352.7	385.7	420.3	454.2	485.3	514.8	542.8	565.5	580.0
-65°	250.5	274.7	300.7	327.9	356.0	384.9	414.4	444.6	475.0	499.4	515.4
-67.5°	188.2	212.4	237.9	264.5	288.5	310.5	331.8	353.8	376.0	394.5	409.0
-70°	122.4	140.5	158.3	176.5	196.3	216.5	235.8	254.0	270.7	284.1	295.0
-72.5°	66.1	74.9	84.7	98.6	111.9	125.3	138.6	151.1	162.8	171.5	178.4
-75°	30.7	34.6	42.1	49.0	55.3	61.9	68.2	74.0	79.2	83.0	85.8
-77.5°	21.8	23.6	25.3	27.1	28.9	31.4	34.0	36.6	39.1	41.5	43.9
-80°	15.4	16.4	17.3	18.3	19.2	20.5	22.0	23.6	25.0	26.6	28.0
-82.5°	10.2	10.9	11.6	12.2	12.8	13.6	14.4	15.2	16.0	17.2	18.5
-85°	6.9	7.2	7.5	7.8	8.2	8.8	9.5	10.1	10.8	11.7	12.6
-87.5°	5.3	5.3	5.4	5.4	5.4	5.9	6.5	7.1	7.6	8.5	9.3
-90°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.0	8.8	9.4	9.9	9.4	8.8	8.0	7.2	6.3	5.5	5.2
87.5°	1.1	1.1	0.5	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.4
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.3
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.5
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.5
72.5°	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.2	4.0	4.1	4.5
70°	5.4	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.6	6.5
67.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.4	6.4	6.7	7.6
65°	5.6	5.5	5.5	5.5	5.5	5.5	5.6	5.7	5.8	6.4	7.4
62.5°	5.2	5.4	5.5	5.5	5.5	5.4	5.2	4.9	4.8	5.2	6.1
60°	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.5	4.7
57.5°	4.4	4.4	4.8	5.5	4.8	4.4	4.4	4.4	4.4	4.5	4.6
55°	5.3	5.4	5.9	6.6	5.9	5.4	5.3	5.2	5.1	5.2	5.4
52.5°	7.4	7.6	7.7	7.7	7.7	7.6	7.4	7.1	6.8	6.6	6.5
50°	9.5	9.7	9.9	9.9	9.9	9.7	9.5	9.3	8.9	8.5	8.0
47.5°	14.1	14.2	14.3	14.4	14.3	14.2	14.1	13.6	12.9	11.9	10.2
45°	22.6	22.9	23.0	23.2	23.0	22.9	22.6	21.8	21.7	20.4	17.2
42.5°	36.4	37.0	37.0	36.5	37.0	37.0	36.4	35.0	34.4	34.9	35.1
40°	51.9	51.9	51.3	50.8	51.3	51.9	51.9	51.1	50.7	45.4	44.9
37.5°	90.3	87.0	81.1	78.4	81.1	87.0	90.3	87.7	82.0	77.1	73.7
35°	139.7	141.8	142.3	141.4	142.3	141.8	139.7	137.5	128.9	113.3	113.2
32.5°	233.6	244.7	248.4	255.2	248.4	244.7	233.6	228.1	208.4	192.4	186.5
30°	480.9	477.5	435.6	417.5	435.6	477.5	480.9	495.4	403.1	403.8	367.2
27.5°	1295.5	1444.6	1515.7	1509.9	1515.7	1444.6	1295.5	1142.1	994.1	880.1	759.5
25°	2668.1	2907.8	3066.8	2962.4	3066.8	2907.8	2668.1	2277.4	1780.3	1541.5	1285.7
22.5°	5504.7	6027.2	6312.0	6414.1	6312.0	6027.2	5504.7	4527.2	3477.6	2641.1	1961.2
20°	11031.2	12017.9	12738.5	12136.8	12738.5	12017.9	11031.2	8671.2	6481.4	4455.2	3118.3
17.5°	20479.5	23548.7	26263.8	27112.4	26263.8	23548.7	20479.5	15827.7	12003.7	8039.9	5200.8
15°	34466.1	39649.4	42730.2	42550.7	42730.2	39649.4	34466.1	28094.9	21486.2	15322.0	9653.9
12.5°	53030.0	59426.4	63694.3	62745.3	63694.3	59426.4	53030.0	44984.8	34123.1	25465.6	16995.5
10°	75336.1	85024.5	92064.0	91739.7	92064.0	85024.5	75336.1	63563.9	51568.3	38182.6	25204.5
7.5°	98462.3	114367.3	128172.1	130495.2	128172.1	114367.3	98462.3	84185.4	68055.0	51513.7	35337.5
5°	128285.6	149249.0	162958.5	163742.2	162958.5	149249.0	128285.6	105245.6	84192.4	64158.0	44613.9
2.5°	152477.4	176525.8	188095.6	195105.4	188095.6	176525.8	152477.4	122790.1	96593.0	73656.4	51074.9
0°	163811.2	183361.3	204514.0	214536.2	204514.0	183361.3	163811.2	130303.0	102884.6	77666.6	53362.0
-2.5°	159161.4	180110.7	192802.5	203424.4	192802.5	180110.7	159161.4	128795.7	101738.3	77450.9	53305.0
-5°	148616.0	169373.3	180020.8	181014.1	180020.8	169373.3	148616.0	121263.7	96619.1	73634.2	49851.4
-7.5°	131400.3	149001.4	160180.1	163658.3	160180.1	149001.4	131400.3	111222.9	89161.8	67752.5	45313.5
-10°	113104.5	125762.6	132987.1	134372.1	132987.1	125762.6	113104.5	96920.6	78829.9	59073.8	38489.5
-12.5°	94083.2	104446.3	109431.4	110520.5	109431.4	104446.3	94083.2	80831.2	64805.6	48123.8	31454.5
-15°	73012.4	80810.5	85298.9	86080.0	85298.9	80810.5	73012.4	62310.4	49589.1	36411.3	22723.6
-17.5°	52114.9	58451.4	62998.2	63602.4	62998.2	58451.4	52114.9	43642.5	34667.7	24366.8	15578.2
-20°	32014.0	36325.4	38985.3	38595.3	38985.3	36325.4	32014.0	25525.3	20819.7	14100.6	9921.8



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17235.9	19559.9	20684.0	21264.8	20684.0	19559.9	17235.9	13781.3	10919.0	8329.3	6148.8
-25°	9110.9	10095.1	10600.1	10995.8	10600.1	10095.1	9110.9	7587.5	6013.3	5251.4	4309.5
-27.5°	5421.1	5759.6	5947.5	6050.7	5947.5	5759.6	5421.1	4911.6	4271.6	3871.5	3413.2
-30°	3974.2	4136.4	4222.1	4264.7	4222.1	4136.4	3974.2	3704.1	3365.6	3104.6	2829.8
-32.5°	3124.6	3220.8	3280.0	3301.5	3280.0	3220.8	3124.6	2975.6	2789.9	2617.0	2465.7
-35°	2592.0	2624.2	2635.7	2656.4	2635.7	2624.2	2592.0	2522.7	2424.6	2317.2	2217.0
-37.5°	2303.8	2333.7	2348.3	2360.4	2348.3	2333.7	2303.8	2252.7	2185.6	2096.6	2030.3
-40°	2214.0	2245.8	2278.4	2301.9	2278.4	2245.8	2214.0	2188.8	2134.1	2039.4	1918.0
-42.5°	2270.1	2322.0	2357.7	2362.6	2357.7	2322.0	2270.1	2217.6	2097.4	1968.3	1805.9
-45°	2091.5	2150.6	2182.9	2193.6	2182.9	2150.6	2091.5	2005.1	1853.2	1676.0	1486.5
-47.5°	1678.3	1813.5	1894.3	1912.0	1894.3	1813.5	1678.3	1522.2	1346.1	1161.4	979.2
-50°	1018.6	1066.7	1093.2	1096.8	1093.2	1066.7	1018.6	966.5	912.8	858.2	803.3
-52.5°	811.3	819.9	825.3	828.4	825.3	819.9	811.3	801.2	788.5	769.7	747.7
-55°	781.1	795.6	803.7	807.4	803.7	795.6	781.1	764.6	745.8	718.6	688.6
-57.5°	714.9	729.6	736.1	737.8	736.1	729.6	714.9	698.3	679.7	651.9	621.4
-60°	644.2	656.6	660.5	660.5	660.5	656.6	644.2	630.5	615.5	592.1	564.9
-62.5°	593.9	606.8	613.1	616.3	613.1	606.8	593.9	580.0	565.5	542.8	514.8
-65°	529.4	541.2	546.2	547.9	546.2	541.2	529.4	515.4	499.4	475.0	444.6
-67.5°	422.0	433.2	436.4	436.3	436.4	433.2	422.0	409.0	394.5	376.0	353.8
-70°	304.2	311.6	312.9	311.5	312.9	311.6	304.2	295.0	284.1	270.7	254.0
-72.5°	184.0	188.3	189.9	190.0	189.9	188.3	184.0	178.4	171.5	162.8	151.1
-75°	88.0	89.6	90.9	91.7	90.9	89.6	88.0	85.8	83.0	79.2	74.0
-77.5°	46.1	48.2	49.0	49.7	49.0	48.2	46.1	43.9	41.5	39.1	36.6
-80°	29.4	30.7	30.9	30.9	30.9	30.7	29.4	28.0	26.6	25.0	23.6
-82.5°	19.7	20.9	21.0	21.0	21.0	20.9	19.7	18.5	17.2	16.0	15.2
-85°	13.5	14.4	14.9	15.5	14.9	14.4	13.5	12.6	11.7	10.8	10.1
-87.5°	10.2	11.0	11.0	11.0	11.0	11.0	10.2	9.3	8.5	7.6	7.1
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.0	4.7	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.2	5.5
87.5°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.9	4.1	4.4
85°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.9	4.1	4.4
82.5°	2.6	2.8	3.0	3.0	3.1	3.2	3.3	3.6	3.9	4.2	4.4
80°	2.8	3.1	3.3	3.3	3.3	3.3	3.3	3.6	3.9	4.2	4.4
77.5°	2.8	3.1	3.3	3.4	3.5	3.5	3.5	3.6	3.9	4.2	4.5
75°	2.8	3.1	3.4	3.8	4.1	4.3	4.4	4.5	4.6	4.7	4.7
72.5°	4.8	5.0	5.1	5.2	4.9	5.1	5.4	5.6	5.7	5.6	5.4
70°	7.3	8.1	9.0	10.1	10.7	10.6	10.1	9.2	7.7	7.2	6.7
67.5°	8.5	9.6	11.2	13.1	14.4	15.4	16.1	16.3	15.4	13.8	10.1
65°	8.5	9.5	10.9	12.4	14.3	16.6	20.1	21.8	21.9	20.8	16.2
62.5°	7.1	8.5	9.3	10.4	11.9	14.4	18.3	21.9	25.3	26.3	21.2
60°	5.1	5.6	6.6	7.7	8.9	11.5	15.8	20.1	24.4	24.4	22.8
57.5°	4.5	4.7	5.5	6.1	6.5	8.7	12.5	17.3	22.1	21.4	20.2
55°	5.4	5.7	6.0	6.3	6.6	7.5	9.2	12.5	16.8	17.8	17.0
52.5°	6.5	6.8	7.1	7.4	7.5	7.4	7.4	9.4	11.4	13.1	13.7
50°	7.6	8.0	8.3	8.5	8.6	8.4	8.2	8.0	9.2	10.5	11.0
47.5°	10.1	10.5	9.9	9.8	10.5	9.9	9.5	9.6	10.2	9.8	10.4
45°	16.8	16.3	15.2	15.0	14.6	14.1	12.1	13.1	13.3	12.6	10.9
42.5°	32.4	27.5	23.9	24.2	22.7	21.2	19.4	19.0	18.3	16.9	15.8
40°	49.5	49.1	44.4	39.2	35.8	31.3	29.3	26.9	25.4	23.2	22.6
37.5°	70.4	68.6	71.6	69.0	59.1	50.2	44.0	37.6	33.4	35.6	33.8
35°	104.4	102.5	107.4	102.4	94.8	90.7	70.1	54.8	49.7	55.2	49.6
32.5°	155.6	180.1	172.1	158.8	165.7	156.0	124.4	85.9	85.4	84.0	74.5
30°	304.9	326.6	315.3	279.5	289.0	268.6	202.9	189.8	159.2	121.2	105.9
27.5°	664.5	541.7	522.2	514.8	456.6	418.5	385.6	347.5	268.0	196.6	147.1
25°	1137.2	955.2	825.4	789.8	717.9	608.6	590.0	542.8	445.0	298.9	202.2
22.5°	1685.8	1434.7	1225.7	1096.3	981.1	847.8	778.2	748.6	643.4	427.0	291.8
20°	2245.6	1911.9	1627.5	1420.9	1213.7	1054.5	962.9	916.1	785.6	582.6	385.4
17.5°	3533.3	2509.7	2083.5	1769.1	1476.5	1259.5	1171.5	1060.4	927.5	733.6	476.4
15°	5540.9	3872.3	2867.9	2266.1	1833.8	1593.7	1442.2	1229.8	1066.8	866.9	618.0
12.5°	10390.9	6197.4	3824.7	2958.2	2399.5	2008.6	1758.9	1468.1	1224.1	1049.8	827.7
10°	15672.6	9425.1	5685.5	3961.7	3081.4	2483.2	2065.5	1709.5	1428.8	1249.6	1034.9
7.5°	22055.1	13067.5	7662.8	4926.2	3692.4	2887.5	2334.7	1914.9	1619.1	1436.6	1236.6
5°	27240.3	15704.1	8868.7	5648.6	4205.1	3266.9	2609.7	2089.1	1795.8	1612.1	1428.8
2.5°	30455.7	17121.0	9581.2	6247.4	4633.0	3585.5	2835.4	2237.3	1933.1	1725.9	1535.6
0°	31250.0	18237.3	10140.9	6266.1	4844.6	3783.1	2971.2	2367.1	2047.8	1821.4	1625.9
-2.5°	31305.4	17932.1	10021.1	6206.7	4741.5	3741.9	2975.5	2429.4	2113.3	1870.8	1659.1
-5°	28903.8	16340.2	9304.2	5993.5	4586.8	3648.1	2966.2	2486.1	2162.9	1912.2	1670.9
-7.5°	26137.6	14418.7	8386.7	5652.6	4367.2	3524.1	2952.0	2532.1	2196.7	1957.5	1686.6
-10°	21025.9	12133.3	7555.6	5360.1	4165.0	3395.8	2935.6	2546.5	2221.3	1994.6	1677.2
-12.5°	17751.3	10167.3	6545.3	4957.2	4002.1	3343.1	2921.6	2519.2	2238.1	2024.2	1640.7
-15°	13251.5	8478.6	5945.5	4658.0	3869.3	3273.3	2867.6	2439.4	2176.8	2009.3	1576.2
-17.5°	9870.6	6743.4	5091.6	4162.9	3548.9	3173.9	2757.2	2353.0	2072.2	1857.5	1412.5
-20°	6669.6	5243.5	4373.9	3659.1	3137.6	2826.5	2540.9	2201.9	1943.1	1640.4	1205.7



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4946.4	4185.4	3571.7	3069.1	2721.7	2459.9	2219.7	1976.4	1783.4	1415.7	994.6
-25°	3843.1	3309.8	2909.4	2640.4	2341.9	2099.4	1926.7	1777.1	1534.1	1180.8	805.0
-27.5°	3083.5	2712.4	2497.9	2299.4	2067.9	1848.2	1704.7	1574.5	1283.0	949.3	742.7
-30°	2579.8	2413.6	2231.8	2043.2	1867.7	1691.1	1544.1	1308.5	1039.3	769.7	686.6
-32.5°	2307.6	2181.0	2021.9	1854.1	1705.7	1577.9	1345.9	1056.2	809.4	711.3	640.2
-35°	2108.8	1979.0	1827.1	1702.5	1588.5	1392.3	1138.8	856.6	720.0	657.4	597.0
-37.5°	1926.3	1787.1	1681.1	1567.3	1398.5	1175.0	894.9	747.2	669.4	612.8	551.1
-40°	1807.9	1678.4	1511.3	1364.7	1135.4	881.3	769.1	692.8	631.9	565.7	502.1
-42.5°	1624.9	1457.9	1257.3	1027.8	840.5	772.9	707.9	650.6	587.5	517.6	455.1
-45°	1274.8	1068.9	881.2	816.9	754.8	706.7	660.5	599.1	533.0	470.3	408.9
-47.5°	893.4	831.7	774.1	734.6	695.3	651.3	597.3	538.4	480.1	422.8	374.5
-50°	765.4	742.1	713.0	676.0	630.4	581.9	532.2	480.2	430.1	385.2	339.4
-52.5°	720.9	686.9	648.5	605.2	561.0	517.1	470.9	431.2	389.7	347.6	304.3
-55°	655.8	619.9	581.3	539.7	497.6	463.4	427.0	388.8	350.1	310.0	272.5
-57.5°	588.9	555.5	522.3	487.9	452.5	417.0	381.4	345.7	311.0	275.6	241.6
-60°	535.8	504.7	472.7	438.4	401.8	366.7	336.2	304.7	272.2	243.9	214.7
-62.5°	485.3	454.2	420.3	385.7	352.7	322.4	293.6	266.1	240.7	214.8	181.8
-65°	414.4	384.9	356.0	327.9	300.7	274.7	250.5	224.0	196.8	171.1	142.5
-67.5°	331.8	310.5	288.5	264.5	237.9	212.4	188.2	165.4	143.4	121.8	97.0
-70°	235.8	216.5	196.3	176.5	158.3	140.5	122.4	104.3	86.4	72.6	58.3
-72.5°	138.6	125.3	111.9	98.6	84.7	74.9	66.1	56.9	47.0	36.3	28.2
-75°	68.2	61.9	55.3	49.0	42.1	34.6	30.7	28.4	26.0	23.5	20.9
-77.5°	34.0	31.4	28.9	27.1	25.3	23.6	21.8	20.0	18.6	17.3	16.1
-80°	22.0	20.5	19.2	18.3	17.3	16.4	15.4	14.5	13.7	13.0	12.3
-82.5°	14.4	13.6	12.8	12.2	11.6	10.9	10.2	9.8	9.4	8.9	8.4
-85°	9.5	8.8	8.2	7.8	7.5	7.2	6.9	6.9	6.9	7.0	7.1
-87.5°	6.5	5.9	5.4	5.4	5.4	5.3	5.3	5.6	5.8	6.0	6.3
-90°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.9	4.1	4.4



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.5	5.5	5.5	5.5	5.8	6.1	6.3	6.6	6.3	6.1	5.8
87.5°	4.4	4.4	4.4	4.4	4.7	5.0	5.2	5.5	5.5	5.5	5.5
85°	4.5	4.6	4.6	4.6	4.7	5.0	5.2	5.5	5.5	5.5	5.5
82.5°	4.7	4.9	5.1	5.2	5.2	5.2	5.3	5.5	5.5	5.5	5.5
80°	4.7	5.0	5.3	5.5	5.5	5.5	5.5	5.5	5.7	5.7	5.7
77.5°	4.8	5.0	5.3	5.5	5.5	5.5	5.5	5.6	5.8	5.9	5.9
75°	4.8	5.1	5.3	5.5	5.5	5.5	5.5	5.6	5.9	6.1	6.2
72.5°	5.3	5.3	5.4	5.5	5.5	5.5	5.5	5.6	5.9	6.1	6.4
70°	6.1	5.6	5.5	5.6	5.6	5.5	5.5	5.6	5.9	6.2	6.4
67.5°	7.2	6.5	5.9	5.8	5.9	5.8	5.6	5.7	5.9	6.2	6.5
65°	11.9	8.7	6.6	6.3	6.2	6.2	6.0	5.8	6.0	6.2	6.5
62.5°	16.2	11.8	8.8	7.1	6.5	6.4	6.5	6.2	6.1	6.3	6.5
60°	20.3	15.2	11.2	9.0	7.3	6.6	6.6	6.5	6.3	6.3	6.6
57.5°	18.8	17.7	14.4	11.0	8.7	7.2	6.6	6.6	6.5	6.4	6.6
55°	16.1	15.5	15.9	13.3	10.1	8.1	6.9	6.6	6.6	6.5	6.6
52.5°	13.0	13.9	15.1	14.5	11.7	9.0	7.6	6.6	6.6	6.6	6.6
50°	10.7	12.5	14.4	14.7	13.0	10.2	8.3	7.1	6.6	6.6	6.7
47.5°	10.7	12.2	13.5	15.1	13.9	11.2	9.0	7.6	6.6	6.6	6.7
45°	12.4	13.1	13.6	14.5	14.9	12.0	9.7	8.0	6.9	6.7	6.8
42.5°	15.2	15.4	15.1	14.3	14.8	12.6	10.2	8.4	7.2	6.7	6.9
40°	21.0	18.9	17.4	17.0	15.4	12.9	10.5	8.7	7.5	6.9	7.0
37.5°	27.9	24.4	21.3	21.9	17.6	14.1	10.7	8.9	7.9	7.2	7.1
35°	40.6	31.7	30.3	29.5	23.7	16.0	10.6	8.9	8.3	7.5	7.1
32.5°	55.9	47.0	45.5	39.6	31.4	18.5	11.8	9.7	8.9	7.8	7.2
30°	84.5	75.9	65.1	51.6	40.8	25.6	14.6	10.7	9.4	8.1	7.3
27.5°	130.2	109.9	89.8	69.7	52.3	34.2	18.1	11.9	10.1	8.5	7.5
25°	179.2	151.9	122.5	91.9	64.9	46.7	21.7	13.4	11.0	9.0	7.8
22.5°	230.8	197.2	158.6	116.6	83.2	61.4	28.5	16.4	12.1	9.5	8.0
20°	283.4	244.0	198.9	146.3	105.7	77.0	39.5	19.2	13.3	10.0	8.2
17.5°	341.3	300.9	251.1	183.8	130.2	93.4	51.7	22.0	14.5	10.6	8.4
15°	451.9	370.0	308.2	224.6	154.3	110.2	64.5	24.6	15.9	11.1	8.6
12.5°	586.9	439.7	368.9	267.6	178.0	127.2	77.6	27.0	17.2	12.1	8.9
10°	735.2	509.5	431.7	311.6	200.8	144.1	90.7	31.4	19.9	13.4	9.1
7.5°	890.8	578.6	494.9	355.4	225.4	168.0	116.3	40.2	22.7	14.8	9.3
5°	1035.4	641.0	557.7	409.9	263.7	198.6	143.9	49.4	25.5	16.2	9.5
2.5°	1121.8	691.6	616.6	462.9	300.6	228.1	170.6	58.6	28.3	17.5	9.7
0°	1191.8	738.9	670.5	511.4	335.8	256.3	195.5	67.4	30.9	18.8	9.9
-2.5°	1206.2	765.8	689.2	539.0	368.8	283.8	215.5	81.9	41.1	24.9	13.2
-5°	1203.3	789.5	703.7	561.8	399.1	309.4	232.3	95.4	50.8	30.8	16.4
-7.5°	1199.7	800.8	711.2	578.3	426.7	332.6	245.3	107.7	59.9	36.3	19.3
-10°	1173.5	803.3	709.4	576.0	432.5	342.2	252.6	118.6	68.2	41.2	22.0
-12.5°	1116.5	802.9	704.4	568.7	431.0	339.1	245.0	126.2	75.5	45.5	24.2
-15°	1025.6	799.5	696.7	556.4	425.1	334.1	236.1	131.5	81.3	49.4	25.9
-17.5°	892.5	793.3	686.6	539.0	414.4	327.2	226.5	135.3	86.2	52.8	27.6
-20°	829.8	762.8	672.2	516.6	398.7	318.3	216.5	137.4	90.1	55.3	29.0



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	783.5	712.4	620.2	495.9	381.8	307.5	206.6	138.0	92.9	56.9	29.7
-25°	729.9	660.6	565.0	457.8	367.7	291.8	201.3	136.8	94.6	57.3	29.7
-27.5°	671.9	605.8	512.5	419.9	346.9	277.7	198.8	138.1	95.1	56.6	29.0
-30°	613.6	548.7	467.9	385.6	325.1	258.3	194.3	138.0	94.2	55.4	27.4
-32.5°	568.8	496.9	426.2	360.5	302.3	238.6	183.4	136.4	91.6	53.5	26.2
-35°	526.7	454.8	387.1	334.8	279.5	222.2	170.6	133.3	87.4	50.5	24.8
-37.5°	482.8	416.6	358.7	309.3	257.0	204.4	160.3	123.4	81.5	46.2	22.7
-40°	440.5	381.5	331.6	285.2	235.7	185.4	149.0	112.0	75.2	40.7	19.9
-42.5°	398.1	350.9	305.0	261.5	213.6	171.7	136.6	100.0	66.2	36.0	16.5
-45°	363.8	319.6	277.4	235.5	191.5	157.1	122.4	87.4	56.2	31.3	14.0
-47.5°	328.4	287.9	249.4	209.5	174.4	141.3	107.5	75.3	45.5	25.7	13.1
-50°	292.7	257.0	222.1	188.1	156.3	124.1	92.1	62.3	38.0	19.1	12.1
-52.5°	263.2	229.1	197.7	167.4	136.8	106.1	76.6	49.0	29.8	16.0	10.9
-55°	236.1	202.9	174.4	145.5	116.4	87.7	60.2	39.1	21.2	14.2	9.7
-57.5°	210.2	177.7	149.8	122.5	94.9	68.3	46.4	28.6	17.4	12.3	9.6
-60°	183.6	151.5	124.2	97.6	71.9	50.7	33.8	20.1	14.9	10.6	9.4
-62.5°	151.2	122.4	95.0	70.8	51.5	35.5	22.3	17.0	12.3	10.2	9.1
-65°	114.1	87.9	64.6	48.6	33.5	22.6	18.3	13.7	11.1	9.8	8.8
-67.5°	73.5	57.0	41.6	27.8	22.0	18.3	14.2	11.9	10.4	9.2	8.5
-70°	43.9	30.4	24.0	20.8	17.4	14.2	12.4	10.8	9.5	8.7	8.2
-72.5°	24.9	21.8	18.8	16.1	14.2	12.5	10.9	9.6	8.9	8.3	7.8
-75°	18.3	16.7	15.2	13.8	12.2	10.8	9.7	8.8	8.2	7.7	7.5
-77.5°	14.8	13.6	12.5	11.6	10.5	9.5	8.6	7.9	7.6	7.4	7.1
-80°	11.5	10.8	10.2	9.7	8.9	8.2	7.7	7.4	7.2	7.0	6.8
-82.5°	8.1	8.2	8.2	8.2	7.8	7.4	7.1	6.9	6.8	6.6	6.5
-85°	7.1	7.1	7.0	6.9	6.7	6.6	6.6	6.6	6.5	6.4	6.3
-87.5°	6.2	6.2	6.2	6.1	6.2	6.3	6.5	6.6	6.4	6.2	6.0
-90°	4.4	4.4	4.4	4.4	4.7	5.0	5.2	5.5	5.5	5.5	5.5



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5
87.5°	5.5	5.6	5.6	5.6	5.6	5.5	5.5
85°	5.5	5.6	5.7	5.7	5.7	5.5	5.5
82.5°	5.5	5.7	5.8	5.8	5.8	5.6	5.5
80°	5.6	5.8	5.9	5.9	5.9	5.6	5.5
77.5°	5.8	5.9	6.0	6.0	6.0	5.6	5.5
75°	6.1	6.0	6.1	6.2	6.0	5.6	5.5
72.5°	6.4	6.2	6.2	6.3	6.1	5.7	5.5
70°	6.6	6.4	6.3	6.4	6.2	5.7	5.5
67.5°	6.6	6.5	6.4	6.4	6.3	5.7	5.5
65°	6.6	6.6	6.5	6.5	6.3	5.7	5.5
62.5°	6.6	6.6	6.5	6.5	6.4	5.7	5.5
60°	6.6	6.6	6.6	6.5	6.5	5.7	5.5
57.5°	6.6	6.6	6.6	6.5	6.4	5.7	5.5
55°	6.6	6.6	6.6	6.6	6.4	5.8	5.5
52.5°	6.6	6.6	6.6	6.6	6.4	5.8	5.5
50°	6.6	6.6	6.6	6.6	6.4	5.8	5.5
47.5°	6.6	6.6	6.6	6.6	6.4	5.8	5.5
45°	6.7	6.6	6.6	6.6	6.4	5.8	5.5
42.5°	6.8	6.6	6.6	6.6	6.4	5.8	5.5
40°	6.9	6.6	6.6	6.6	6.4	5.8	5.5
37.5°	7.1	6.6	6.6	6.6	6.4	5.8	5.5
35°	7.2	6.7	6.6	6.6	6.4	5.8	5.5
32.5°	7.3	6.8	6.6	6.6	6.4	5.7	5.5
30°	7.4	6.9	6.6	6.6	6.5	5.7	5.5
27.5°	7.5	7.0	6.6	6.6	6.5	5.7	5.5
25°	7.5	7.2	6.6	6.6	6.5	5.7	5.5
22.5°	7.6	7.3	6.6	6.6	6.5	5.7	5.5
20°	7.7	7.4	6.6	6.6	6.5	5.7	5.5
17.5°	7.8	7.4	6.6	6.6	6.5	5.7	5.5
15°	7.9	7.5	6.6	6.6	6.5	5.6	5.5
12.5°	8.0	7.6	6.6	6.6	6.6	5.6	5.5
10°	8.2	7.6	6.6	6.6	6.6	5.6	5.5
7.5°	8.3	7.7	6.6	6.6	6.6	5.6	5.5
5°	8.5	7.7	6.6	6.6	6.6	5.5	5.5
2.5°	8.6	7.7	6.6	6.6	6.6	5.5	5.5
0°	8.8	7.7	6.6	6.6	6.6	5.5	5.5
-2.5°	9.7	7.7	6.6	6.6	6.6	5.5	5.5
-5°	10.5	7.7	6.6	6.6	6.6	5.5	5.5
-7.5°	11.3	7.7	6.6	6.6	6.6	5.5	5.5
-10°	11.9	7.6	6.6	6.6	6.6	5.5	5.5
-12.5°	12.4	7.6	6.6	6.6	6.5	5.5	5.5
-15°	12.8	7.5	6.6	6.6	6.5	5.5	5.5
-17.5°	12.9	7.4	6.6	6.6	6.5	5.5	5.5
-20°	13.1	7.4	6.6	6.6	6.5	5.5	5.5



REPORT NUMBER: P731339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.5	7.3	6.6	6.6	6.4	5.5	5.5
-25°	13.5	7.4	6.6	6.6	6.4	5.5	5.5
-27.5°	13.1	7.6	6.6	6.6	6.4	5.5	5.5
-30°	12.3	7.6	6.6	6.6	6.3	5.5	5.5
-32.5°	11.1	7.6	6.7	6.6	6.3	5.5	5.5
-35°	10.7	7.5	6.8	6.6	6.2	5.5	5.5
-37.5°	10.6	7.5	6.9	6.6	6.1	5.5	5.5
-40°	10.3	7.6	6.9	6.6	6.1	5.5	5.5
-42.5°	10.0	7.6	7.0	6.6	6.0	5.5	5.5
-45°	9.4	7.7	7.0	6.6	6.0	5.5	5.5
-47.5°	8.8	7.7	7.0	6.7	5.9	5.5	5.5
-50°	8.7	7.7	7.1	6.6	5.8	5.5	5.5
-52.5°	8.6	7.7	7.1	6.5	5.7	5.5	5.5
-55°	8.6	7.7	7.1	6.4	5.7	5.5	5.5
-57.5°	8.5	7.6	7.0	6.3	5.6	5.5	5.5
-60°	8.4	7.6	7.0	6.2	5.5	5.5	5.5
-62.5°	8.2	7.5	6.9	6.1	5.5	5.5	5.5
-65°	8.0	7.4	6.7	6.0	5.5	5.5	5.5
-67.5°	7.8	7.2	6.5	5.9	5.5	5.5	5.5
-70°	7.6	7.0	6.4	5.8	5.5	5.5	5.5
-72.5°	7.4	6.8	6.2	5.7	5.5	5.5	5.5
-75°	7.1	6.6	6.0	5.7	5.5	5.5	5.5
-77.5°	6.9	6.4	6.0	5.7	5.5	5.5	5.5
-80°	6.6	6.2	5.9	5.6	5.5	5.5	5.5
-82.5°	6.3	6.0	5.8	5.6	5.5	5.5	5.5
-85°	6.1	5.9	5.7	5.6	5.5	5.5	5.5
-87.5°	5.8	5.7	5.6	5.5	5.5	5.5	5.5
-90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5

(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

