

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: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701428 (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: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-5S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

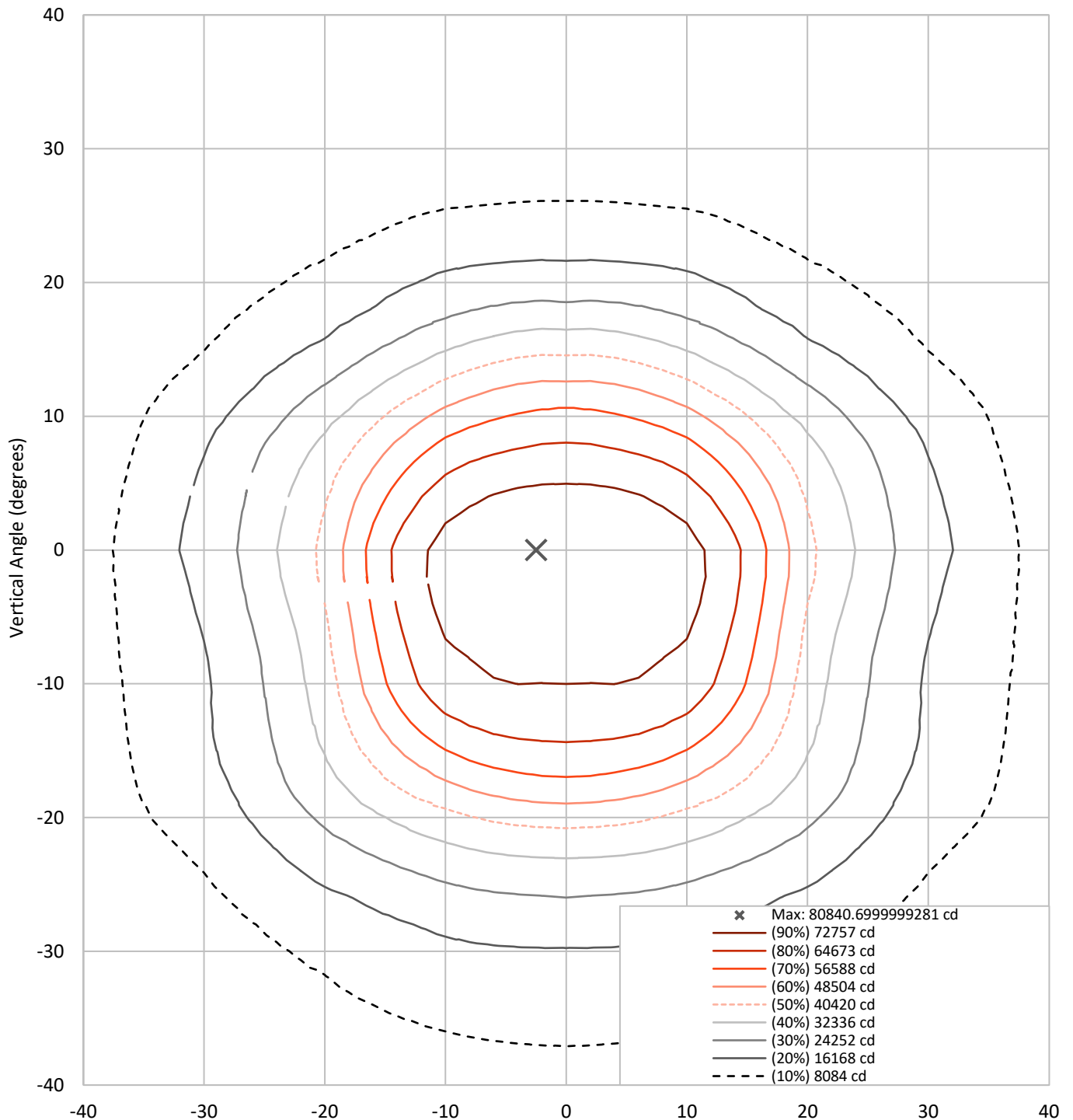
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	39897.1 lumens	Max Intensity:	80840.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	115.9 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:	21944.2 lumens	Field Lumens:	36550.3 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 344.2
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: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

Iso-Candela Plot





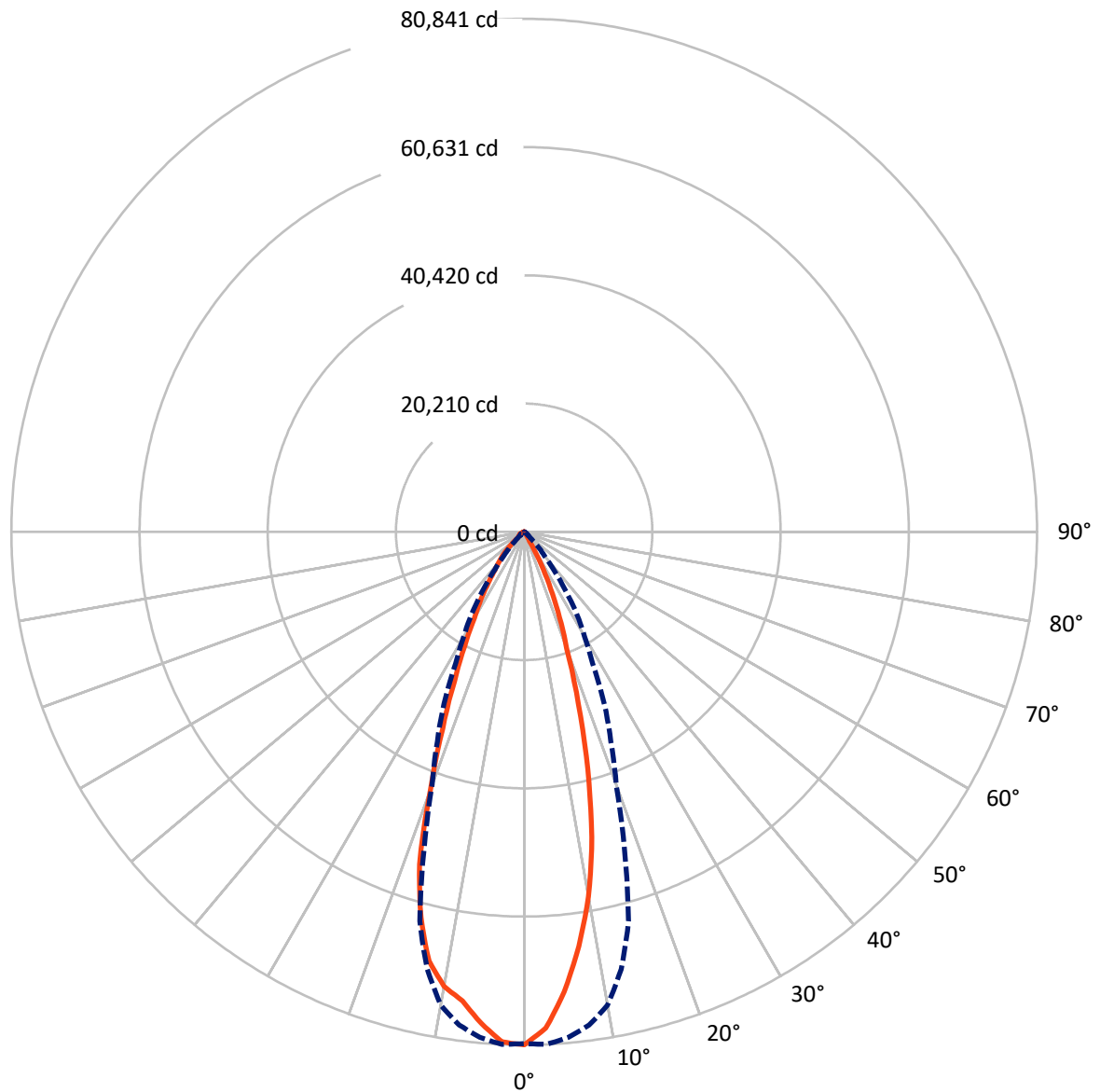
REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

Lumen Table

90																			
80	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1			
70																			
60	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.1	0.1			
50		0.1	0.1	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.1	0.1				
40	0.1	0.1	0.2	0.4	0.5	0.7	1.0	1.2	1.2	1.0	0.7	0.5	0.4	0.2	0.1	0.1			
30		0.1	0.5	1.2	3.2	9.0	15.5	19.8	19.8	15.5	9.0	3.2	1.2	0.5	0.1				
20	0.1	0.2	1.7	6.1	35.4	101.9	207.0	298.9	298.9	207.0	101.9	35.4	6.1	1.7	0.2	0.1			
10		0.5	3.8	19.9	126.0	369.3	756.8	1118.2	1118.2	756.8	369.3	126.0	19.9	3.8	0.5				
0	0.2	0.9	6.4	43.2	259.2	740.4	1550.2	2115.8	2115.8	1550.2	740.4	259.2	43.2	6.4	0.9	0.2			
-10		1.5	8.7	52.3	271.4	758.2	1739.8	2318.8	2318.8	1739.8	758.2	271.4	52.3	8.7	1.5				
-20	0.2	1.7	9.0	42.0	230.4	624.2	1314.5	1810.2	1810.2	1314.5	624.2	230.4	42.0	9.0	1.7	0.2			
-30		1.5	7.4	19.7	115.6	334.0	614.3	806.6	806.6	614.3	334.0	115.6	19.7	7.4	1.5				
-40	0.2	1.1	5.1	11.5	33.8	125.8	231.6	302.1	302.1	231.6	125.8	33.8	11.5	5.1	1.1	0.2			
-50		0.7	3.1	8.1	14.9	27.9	62.9	95.0	95.0	62.9	27.9	14.9	8.1	3.1	0.7				
-60	0.1	0.3	1.5	4.5	9.5	15.7	21.5	24.9	24.9	21.5	15.7	9.5	4.5	1.5	0.3	0.1			
-70		0.1	0.6	1.8	3.9	6.9	10.4	12.5	12.5	10.4	6.9	3.9	1.8	0.6	0.1				
-80	0.1	0.4		1.4		3.8		5.3		3.8		1.4		0.4		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

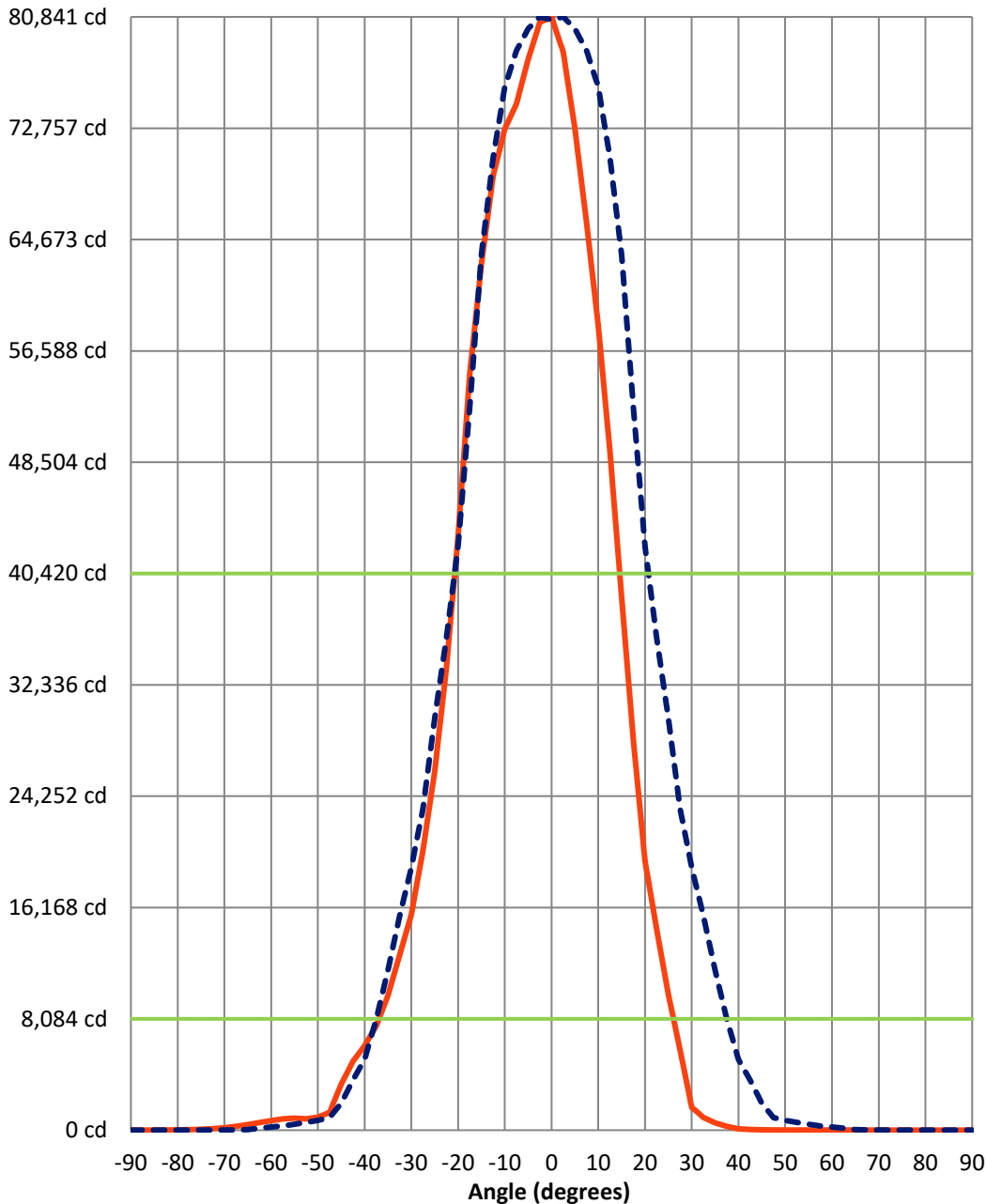
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 21944.2
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 36550.3
 Efficiency: 91.6%

Spill:
 Lumens: 3346.8
 Efficiency: 8.4%

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



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	5.0	5.0	4.8
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.1	5.2	5.2	5.2
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	5.0	5.4	5.5	5.4	5.6
65°	4.7	4.7	4.7	4.7	4.7	4.8	5.3	5.7	5.6	5.7	5.9
62.5°	4.7	4.7	4.7	4.7	4.7	5.1	5.6	5.8	5.8	5.9	5.9
60°	4.7	4.7	4.7	4.7	4.7	5.3	5.9	5.9	5.9	5.9	5.9
57.5°	4.7	4.7	4.7	4.7	4.9	5.5	5.9	5.9	5.9	5.9	5.9
55°	4.7	4.7	4.7	4.7	5.0	5.7	5.9	5.9	5.9	5.9	5.9
52.5°	4.7	4.7	4.7	4.7	5.2	5.9	5.9	5.9	5.9	5.9	5.9
50°	4.7	4.7	4.7	4.7	5.4	5.9	5.9	5.9	5.9	5.9	6.3
47.5°	4.7	4.7	4.7	4.7	5.5	5.9	5.9	5.9	5.9	5.9	6.7
45°	4.7	4.7	4.7	4.8	5.7	5.9	5.9	5.9	5.9	6.2	7.0
42.5°	4.7	4.7	4.7	5.0	5.8	5.9	5.9	5.9	6.0	6.6	7.4
40°	4.7	4.7	4.7	5.0	5.9	5.9	5.9	6.0	6.2	6.9	7.7
37.5°	4.7	4.7	4.7	5.1	5.9	5.9	5.9	6.2	6.6	7.3	8.0
35°	4.7	4.7	4.7	5.2	5.9	5.9	5.9	6.3	6.9	7.7	8.3
32.5°	4.7	4.7	4.7	5.2	5.9	5.9	5.9	6.5	7.2	8.1	8.9
30°	4.7	4.7	4.7	5.2	5.9	5.9	6.1	6.7	7.5	8.6	9.6
27.5°	4.7	4.7	4.7	5.3	5.9	5.9	6.2	6.9	7.8	9.1	10.4
25°	4.7	4.7	4.7	5.2	5.8	5.9	6.3	7.2	8.2	9.7	11.3
22.5°	4.7	4.7	4.7	5.2	5.8	5.9	6.5	7.4	8.6	10.4	13.3
20°	4.7	4.7	4.7	5.2	5.8	5.9	6.6	7.6	9.0	11.1	15.3
17.5°	4.7	4.7	4.7	5.2	5.8	5.9	6.8	7.8	9.4	11.8	17.4
15°	4.7	4.7	4.7	5.1	5.8	5.9	6.8	7.9	9.8	12.5	19.4
12.5°	4.7	4.7	4.7	5.1	5.8	5.9	6.9	8.0	10.2	13.3	21.4
10°	4.7	4.7	4.7	5.0	5.9	5.9	7.0	8.1	10.6	14.3	24.1
7.5°	4.7	4.7	4.7	4.9	5.9	5.9	7.0	8.1	10.9	15.5	28.4
5°	4.7	4.7	4.7	4.9	5.9	5.9	7.1	8.2	11.3	16.7	32.8
2.5°	4.7	4.7	4.7	4.8	5.9	5.9	7.1	8.2	11.6	17.8	37.2
0°	4.7	4.7	4.7	4.7	5.9	5.9	7.1	8.2	11.8	18.8	41.2
-2.5°	4.7	4.7	4.7	4.8	5.9	6.2	7.6	9.3	15.0	25.8	53.3
-5°	4.7	4.7	4.7	4.9	5.9	6.4	8.0	10.4	18.0	32.4	64.6
-7.5°	4.7	4.7	4.7	4.9	5.9	6.6	8.4	11.4	20.8	38.6	74.9
-10°	4.7	4.7	4.7	5.0	5.9	6.8	8.8	12.3	23.2	44.0	83.8
-12.5°	4.7	4.7	4.7	5.1	5.8	7.0	9.1	13.1	25.1	48.5	90.0
-15°	4.7	4.7	4.7	5.1	5.8	7.1	9.4	13.7	27.1	52.4	94.3
-17.5°	4.7	4.7	4.7	5.2	5.8	7.2	9.7	14.7	28.9	55.3	97.1
-20°	4.7	4.7	4.7	5.2	5.8	7.3	10.0	15.7	30.2	57.0	98.5



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	4.7	4.7	5.2	5.8	7.3	10.3	16.5	30.6	57.5	98.1
-25°	4.7	4.7	4.7	5.2	5.8	7.2	10.5	16.9	30.3	56.8	96.2
-27.5°	4.7	4.7	4.7	5.3	5.9	7.2	10.5	16.9	29.1	55.3	95.1
-30°	4.7	4.7	4.7	5.2	5.9	7.1	10.3	16.6	28.4	53.9	92.3
-32.5°	4.7	4.7	4.7	5.2	6.0	6.9	10.0	16.3	28.0	51.3	87.6
-35°	4.7	4.7	4.7	5.2	6.0	6.7	9.7	15.8	27.1	47.5	81.1
-37.5°	4.7	4.7	4.7	5.1	6.1	6.5	9.4	15.1	25.5	42.4	71.6
-40°	4.7	4.7	4.7	5.0	6.1	6.6	9.0	14.0	23.3	39.0	62.7
-42.5°	4.7	4.7	4.7	5.0	6.0	6.6	8.6	12.7	21.4	35.0	53.3
-45°	4.7	4.7	4.7	4.9	5.9	6.6	8.0	11.5	19.4	30.5	44.3
-47.5°	4.7	4.7	4.7	4.8	5.8	6.6	7.4	10.7	17.0	25.8	38.9
-50°	4.7	4.7	4.7	4.8	5.7	6.6	7.3	9.9	14.1	22.4	33.2
-52.5°	4.7	4.7	4.7	4.8	5.6	6.5	7.2	9.0	12.3	18.7	27.3
-55°	4.7	4.7	4.7	4.8	5.4	6.4	7.1	8.1	11.0	14.8	22.8
-57.5°	4.7	4.7	4.7	4.9	5.3	6.2	7.0	7.9	9.6	12.6	18.0
-60°	4.7	4.7	4.7	4.9	5.1	6.0	6.8	7.6	8.4	11.0	13.9
-62.5°	4.7	4.7	4.7	4.9	5.2	5.8	6.6	7.4	8.1	9.2	11.9
-65°	4.7	4.7	4.7	4.9	5.2	5.6	6.4	7.1	7.8	8.5	9.8
-67.5°	4.7	4.7	4.7	4.9	5.2	5.5	6.1	6.8	7.5	8.2	8.9
-70°	4.7	4.7	4.7	4.9	5.2	5.5	5.8	6.5	7.2	7.8	8.4
-72.5°	4.7	4.7	4.7	4.9	5.2	5.5	5.8	6.2	6.8	7.4	8.0
-75°	4.7	4.7	4.7	4.9	5.3	5.6	5.8	6.1	6.5	7.0	7.6
-77.5°	4.7	4.7	4.7	4.9	5.2	5.6	5.9	6.0	6.3	6.7	7.1
-80°	4.7	4.7	4.7	4.8	5.1	5.5	5.9	6.0	6.1	6.4	6.7
-82.5°	4.7	4.7	4.7	4.8	5.0	5.3	5.6	5.8	5.9	6.0	6.2
-85°	4.7	4.7	4.7	4.8	4.9	5.1	5.3	5.4	5.5	5.6	5.7
-87.5°	4.7	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.2
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.5	3.5	3.5
87.5°	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.5	3.2	3.0	2.7
85°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.4	3.2	3.2
82.5°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.5	3.5	3.5
80°	4.7	4.7	4.7	4.7	4.5	4.2	3.9	3.6	3.5	3.5	3.6
77.5°	4.7	4.7	4.7	4.7	4.5	4.3	4.2	4.2	4.2	4.1	3.9
75°	4.7	4.7	4.8	4.7	4.6	4.6	4.7	4.7	4.5	4.2	3.9
72.5°	4.9	5.0	5.0	4.8	4.7	4.7	4.7	4.7	4.8	4.9	4.8
70°	5.4	5.4	5.2	4.9	4.7	4.8	5.3	6.0	6.6	6.5	6.4
67.5°	5.8	5.5	5.2	5.0	5.2	5.8	6.5	7.5	8.3	8.3	8.6
65°	5.9	5.6	5.4	5.6	5.9	6.9	7.9	9.0	11.5	13.1	13.8
62.5°	5.9	5.7	5.8	6.2	7.1	8.2	9.8	12.6	16.6	18.7	18.1
60°	5.9	5.9	6.3	7.2	8.2	9.3	11.9	15.8	21.0	24.7	22.5
57.5°	5.9	6.2	7.0	7.9	8.7	9.8	13.2	18.1	24.2	30.7	26.7
55°	6.1	6.7	7.6	8.4	9.3	10.1	13.8	19.4	26.2	30.2	26.3
52.5°	6.5	7.2	8.0	8.9	9.8	10.7	13.4	18.8	22.9	26.0	24.0
50°	7.0	7.6	8.4	9.4	10.4	11.4	11.9	16.3	19.6	20.9	20.8
47.5°	7.4	8.1	8.8	9.9	11.3	12.1	12.1	14.3	16.7	18.2	16.9
45°	7.8	8.5	9.3	10.8	12.3	13.0	13.7	13.2	17.0	18.0	17.3
42.5°	8.2	9.0	10.4	11.8	13.6	15.5	16.6	17.9	19.8	21.6	21.2
40°	8.5	9.4	11.8	14.6	15.9	19.5	23.0	25.1	25.9	27.6	27.5
37.5°	8.9	10.9	14.6	20.4	20.5	25.8	30.8	35.8	37.3	34.6	39.2
35°	9.3	12.6	22.1	29.1	30.2	34.3	42.6	50.2	54.8	52.1	56.4
32.5°	10.4	14.4	31.8	39.2	46.5	50.2	56.1	72.5	88.3	93.1	84.8
30°	12.2	23.3	42.9	50.2	67.5	78.8	82.3	104.5	137.6	166.5	223.6
27.5°	14.5	34.2	53.3	68.9	93.7	114.1	123.0	159.2	215.8	292.1	456.3
25°	17.0	45.7	64.3	92.6	128.0	151.7	166.4	217.4	312.3	556.0	862.7
22.5°	23.0	57.4	78.2	119.0	166.8	187.4	218.2	287.8	447.1	852.1	1361.0
20°	32.4	68.5	98.0	145.1	208.3	221.4	266.0	355.3	631.6	1245.0	1856.4
17.5°	41.6	80.9	119.7	175.9	240.2	266.7	312.3	416.8	786.3	1737.3	2499.5
15°	50.5	94.4	140.2	207.1	277.6	329.7	399.7	555.2	1082.0	2320.3	3350.9
12.5°	58.9	108.6	159.3	238.1	320.8	396.5	499.9	780.9	1609.6	3001.3	4539.6
10°	66.8	123.1	177.1	268.5	368.1	465.7	603.6	1027.7	2142.7	3594.0	5480.8
7.5°	85.1	145.2	197.0	297.5	417.7	535.8	708.3	1284.6	2623.9	4095.5	6267.3
5°	105.4	174.9	235.0	342.9	469.8	601.7	804.2	1539.0	3045.7	4508.6	6975.7
2.5°	125.2	203.7	272.0	388.2	519.9	659.1	863.6	1760.9	3376.7	4858.2	7587.0
0°	143.7	230.9	307.5	430.0	565.5	711.6	914.2	1954.5	3628.5	5141.2	8068.8
-2.5°	166.3	260.0	346.8	469.8	580.9	713.1	915.0	1883.0	3683.3	5408.6	7888.0
-5°	185.9	286.6	383.3	506.0	594.5	711.0	907.6	1773.7	3653.1	5551.8	7742.3
-7.5°	201.6	310.2	416.2	534.8	607.1	718.3	925.3	1797.8	3602.8	5551.8	7651.0
-10°	210.7	316.9	416.5	533.2	615.3	727.6	937.4	1755.3	3449.2	5436.8	7465.2
-12.5°	202.6	308.6	407.8	526.3	620.4	729.5	933.5	1635.2	3190.4	5202.4	7233.3
-15°	192.9	298.5	395.6	513.4	622.3	723.1	911.8	1429.2	2766.2	4697.7	6953.7
-17.5°	182.2	287.1	379.7	494.3	620.7	707.9	858.7	1103.3	2217.2	3992.5	6312.0
-20°	170.8	274.4	359.8	468.4	612.2	672.8	778.2	978.8	1749.3	3201.9	5303.0



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	159.0	260.6	339.2	442.9	562.7	630.5	702.9	847.3	1236.8	2313.2	3998.5
-25°	152.3	243.3	321.2	409.3	512.0	591.0	627.1	718.1	913.0	1698.1	2919.2
-27.5°	149.3	226.7	298.9	374.7	465.6	549.6	576.1	634.9	780.6	1095.4	1972.1
-30°	144.1	204.3	274.6	341.6	425.1	499.9	538.7	576.0	669.0	839.2	1324.8
-32.5°	132.7	181.5	248.2	313.0	385.1	457.7	516.1	551.8	610.4	699.3	860.3
-35°	118.6	164.6	221.5	282.2	345.7	418.5	484.4	536.7	565.1	626.3	734.2
-37.5°	105.8	146.4	194.7	251.0	310.2	377.6	450.1	507.2	548.9	578.2	655.5
-40°	92.2	126.8	171.8	221.8	275.1	336.7	403.4	469.8	522.5	566.4	600.7
-42.5°	78.4	111.0	149.0	193.1	243.5	297.5	354.8	419.9	485.4	542.4	585.7
-45°	67.6	94.6	125.9	168.1	212.5	259.7	311.6	365.5	435.8	500.4	554.3
-47.5°	56.4	78.8	107.6	142.6	183.4	225.4	269.1	323.1	381.4	445.2	506.8
-50°	46.2	66.2	89.2	120.8	155.7	192.8	231.8	281.1	334.8	389.3	445.6
-52.5°	39.4	53.3	74.5	99.3	130.2	163.3	199.2	241.2	288.9	338.7	388.6
-55°	32.3	44.4	60.1	81.0	105.2	134.8	168.6	205.2	242.6	287.9	332.7
-57.5°	26.1	36.3	48.8	64.3	84.3	106.5	137.8	170.4	204.7	239.7	277.0
-60°	20.2	28.7	39.3	51.3	65.1	84.7	107.1	135.2	165.8	196.5	227.9
-62.5°	14.8	21.7	30.3	40.3	51.7	64.0	82.0	103.2	126.1	151.8	178.1
-65°	12.4	15.4	21.6	30.0	39.1	49.9	61.6	74.2	92.8	111.1	129.3
-67.5°	9.9	12.5	15.4	19.5	27.3	35.9	44.9	55.5	66.7	76.9	88.8
-70°	9.0	9.7	11.8	14.5	17.5	22.2	29.8	37.7	45.7	53.4	62.1
-72.5°	8.5	9.0	9.6	10.4	12.6	15.4	18.5	21.9	27.1	33.2	39.3
-75°	7.9	8.2	8.6	9.1	9.8	10.6	11.7	14.2	16.9	19.5	22.0
-77.5°	7.4	7.6	7.8	8.0	8.3	8.8	9.4	10.0	10.9	12.0	13.1
-80°	6.9	7.1	7.3	7.4	7.4	7.5	7.6	7.8	8.1	8.5	9.1
-82.5°	6.4	6.5	6.6	6.8	6.6	6.4	6.3	6.2	6.4	6.6	6.8
-85°	5.8	5.9	6.0	6.1	5.9	5.7	5.4	5.2	5.3	5.3	5.4
-87.5°	5.3	5.3	5.3	5.4	5.1	4.9	4.6	4.4	4.4	4.4	4.5
-90°	4.4	4.1	3.8	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7	5.3	5.9
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.1	1.8
85°	3.1	3.0	2.8	2.6	2.4	2.4	2.4	2.4	2.4	2.1	1.8
82.5°	3.5	3.2	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	3.5	3.4	3.2	3.1	3.1	3.0	2.8	2.6	2.4	2.1	1.8
77.5°	3.6	3.5	3.5	3.5	3.5	3.3	3.0	2.7	2.4	2.1	1.8
75°	3.6	3.5	3.6	3.6	3.5	3.4	3.3	3.3	3.3	3.1	2.9
72.5°	4.6	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4
70°	6.3	6.2	6.1	5.9	5.6	5.4	5.2	4.9	4.5	4.5	4.5
67.5°	9.3	9.5	9.4	9.0	8.0	7.2	6.7	6.3	5.8	5.8	6.2
65°	13.6	11.9	10.8	9.8	9.0	8.3	7.9	7.5	7.0	7.2	8.2
62.5°	16.1	12.7	10.8	10.1	9.7	9.3	8.6	8.2	7.9	8.2	9.0
60°	18.8	13.6	10.1	9.5	8.9	8.3	8.2	8.2	8.2	8.3	8.7
57.5°	20.1	13.9	9.3	9.0	8.7	8.3	8.3	8.4	8.4	8.2	8.6
55°	19.7	14.0	9.6	9.2	9.1	9.2	9.2	8.7	8.4	8.2	8.5
52.5°	17.9	13.5	10.3	9.5	9.4	9.0	8.2	8.7	9.2	9.6	10.0
50°	16.0	12.7	11.1	10.3	10.3	10.4	10.4	11.0	11.6	12.0	12.5
47.5°	14.6	12.7	12.7	12.5	12.8	13.4	13.7	14.4	16.1	17.1	17.5
45°	14.7	15.6	16.3	16.9	16.9	20.2	22.6	23.9	25.4	26.9	28.1
42.5°	19.9	22.2	24.3	27.4	29.2	34.7	37.6	34.0	41.5	48.1	49.6
40°	30.5	33.8	41.1	49.2	58.9	63.0	82.7	83.5	92.1	113.3	120.2
37.5°	46.5	55.9	81.1	102.4	136.3	156.5	181.4	205.3	224.5	244.2	257.7
35°	72.4	120.6	158.5	225.1	270.6	293.6	323.2	358.6	373.5	435.7	483.2
32.5°	154.8	241.3	344.4	397.5	457.2	502.8	496.4	643.6	700.3	793.6	869.6
30°	286.1	492.7	769.4	769.5	758.7	1010.3	1102.5	1292.5	1487.3	1617.2	1927.5
27.5°	661.4	1099.8	1538.1	1547.0	1736.9	2262.3	2561.5	2651.4	3496.8	4039.7	4780.2
25°	1218.8	1940.4	2545.0	2826.4	3390.4	4246.4	4753.2	5357.4	6619.1	8056.9	8964.5
22.5°	1815.1	2584.2	3492.8	4133.6	5214.5	6315.6	7237.1	8570.5	10266.3	11870.6	12956.0
20°	2264.1	3167.5	4450.9	5796.8	7166.1	8546.5	9978.1	11810.2	14105.7	16059.3	17825.0
17.5°	3179.4	4134.7	5871.5	7702.1	9560.6	11035.5	13296.2	15493.5	18290.3	21125.0	23320.7
15°	4533.9	6073.8	7811.4	10186.0	12800.0	15056.9	17453.8	21310.0	24712.4	28355.7	31611.0
12.5°	6272.1	8312.9	10615.6	13346.4	16772.4	20314.3	23970.0	28040.2	32490.3	36866.6	41512.3
10°	7894.9	10699.8	13672.8	17033.0	20953.6	25426.3	29893.0	34504.9	40688.7	46293.2	51261.0
7.5°	9015.4	12318.9	15967.8	20074.9	24914.1	29671.3	34716.9	40987.4	48211.7	54566.9	59658.0
5°	10021.6	13764.9	17408.4	21560.4	27186.6	32624.1	38585.7	46217.9	54441.7	61411.0	66484.8
2.5°	10897.7	14925.9	18464.2	22647.0	28824.2	34481.6	40991.6	50087.4	59667.8	66648.7	72002.1
0°	11618.3	15549.6	19061.5	23369.8	29901.2	35728.0	42406.6	52521.7	63549.8	70601.8	75747.8
-2.5°	10920.7	14487.0	17953.5	22317.3	28899.1	34866.6	42085.0	52373.8	63196.7	70802.7	76116.1
-5°	10393.7	13650.4	16941.3	21259.2	27048.2	32581.6	39355.1	49936.4	61327.9	69013.2	74389.4
-7.5°	9985.2	12827.5	15819.5	19795.5	25091.2	30959.0	38221.6	48430.9	59195.0	66967.8	71839.2
-10°	9540.0	11981.7	15242.5	19250.0	24399.8	29993.8	36445.8	45889.8	56765.8	64244.4	69949.9
-12.5°	9404.4	11982.6	15267.0	18746.6	23483.6	28855.7	35006.9	43051.2	51387.5	59229.6	64233.2
-15°	9185.6	11802.0	15016.4	18289.1	22583.5	27757.4	32892.4	38837.2	45804.9	51471.4	56698.3
-17.5°	8756.8	11271.0	13686.7	16744.7	20924.4	25720.9	29611.7	34287.0	39314.1	43635.0	47577.6
-20°	7730.2	9440.1	11729.6	14613.4	18195.3	22079.1	25621.7	28994.8	32225.4	35517.2	37797.6



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5915.1	7557.0	9476.6	11872.0	14711.5	18096.3	21226.9	23511.5	26081.3	28451.6	30400.4
-25°	4325.7	5528.6	7320.4	9364.3	11217.3	13928.4	16330.9	17873.8	20129.5	21901.5	23588.3
-27.5°	3128.1	4306.2	5767.3	7382.4	8771.8	10228.2	12349.0	13822.4	15596.5	16955.2	18362.2
-30°	2135.1	3432.5	4779.0	6100.1	7157.1	8257.4	9432.7	10886.0	12310.2	13451.7	14468.2
-32.5°	1480.9	2421.0	3736.9	4967.8	5923.1	6762.0	7534.3	8638.3	9704.1	10633.2	11395.1
-35°	907.2	1574.0	2485.3	3657.5	4667.3	5473.6	6185.8	6889.0	7570.8	8269.9	8858.9
-37.5°	767.6	926.7	1494.6	2301.7	3263.7	4161.0	4858.6	5439.3	5953.9	6486.0	6904.8
-40°	678.3	773.5	916.1	1211.3	1951.2	2697.1	3449.3	4074.2	4640.2	5112.0	5478.7
-42.5°	619.5	683.2	752.6	868.3	1005.5	1371.1	2018.0	2648.7	3262.7	3777.5	4209.1
-45°	601.2	633.2	670.7	732.7	789.4	900.7	1020.8	1145.1	1633.3	2151.2	2607.6
-47.5°	559.6	610.9	644.9	671.5	703.2	753.5	799.6	858.3	970.5	1081.7	1172.5
-50°	504.5	560.5	607.5	653.1	685.3	707.3	724.1	754.6	799.3	842.7	877.8
-52.5°	437.7	492.0	546.7	602.2	647.9	690.2	730.0	757.6	778.4	796.2	805.3
-55°	377.0	422.4	468.1	523.9	579.2	632.3	683.3	726.8	767.3	805.1	826.6
-57.5°	317.7	356.8	397.6	447.4	496.5	544.8	594.2	644.4	693.4	739.2	765.7
-60°	261.1	295.8	332.7	373.0	415.6	460.2	502.8	545.3	587.4	624.8	646.7
-62.5°	205.7	234.9	264.9	296.8	330.3	365.5	400.8	436.6	472.2	502.2	520.7
-65°	149.5	173.3	196.2	219.5	243.0	269.6	297.6	324.9	351.1	371.7	385.2
-67.5°	104.5	119.9	133.9	147.6	164.3	183.3	203.4	223.0	241.8	256.0	265.5
-70°	70.9	79.5	87.2	96.1	107.1	118.4	130.2	141.6	152.4	160.7	167.0
-72.5°	45.3	51.0	56.5	62.6	68.5	75.0	81.8	88.3	94.3	98.6	101.9
-75°	24.5	27.5	32.0	36.2	40.1	44.8	49.7	54.2	58.5	60.7	62.2
-77.5°	15.0	17.0	18.9	20.8	22.6	25.1	27.9	30.8	33.6	34.9	35.8
-80°	9.8	10.7	11.7	12.7	13.7	15.3	16.9	18.4	20.0	20.5	20.8
-82.5°	6.9	7.3	7.6	8.0	8.4	9.4	10.4	11.4	12.5	13.2	13.9
-85°	5.5	5.5	5.6	5.6	5.7	6.2	6.8	7.3	7.9	8.3	8.7
-87.5°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	5.0	5.3
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.1	1.8



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	6.5	7.1	6.5	5.9	6.5	7.1	6.5	5.9	5.3	4.7	4.4
87.5°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.1	2.4	2.4
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.6
77.5°	1.5	1.2	1.8	2.4	1.8	1.2	1.5	1.8	2.1	2.4	2.7
75°	2.6	2.4	2.4	2.4	2.4	2.4	2.6	2.9	3.1	3.3	3.3
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.6	3.8
70°	4.6	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.9
67.5°	6.6	7.0	7.1	7.1	7.1	7.0	6.6	6.2	5.8	5.8	6.3
65°	9.2	10.3	10.0	9.4	10.0	10.3	9.2	8.2	7.2	7.0	7.5
62.5°	9.7	10.4	10.6	10.6	10.6	10.4	9.7	9.0	8.2	7.9	8.2
60°	9.0	9.4	9.4	9.4	9.4	9.4	9.0	8.7	8.3	8.2	8.2
57.5°	8.9	9.3	9.4	9.4	9.4	9.3	8.9	8.6	8.2	8.4	8.4
55°	8.9	9.3	9.4	9.4	9.4	9.3	8.9	8.5	8.2	8.4	8.7
52.5°	10.3	10.5	10.6	10.6	10.6	10.5	10.3	10.0	9.6	9.2	8.7
50°	13.1	13.7	13.3	11.8	13.3	13.7	13.1	12.5	12.0	11.6	11.0
47.5°	17.4	16.9	16.4	16.5	16.4	16.9	17.4	17.5	17.1	16.1	14.4
45°	28.5	28.2	28.0	28.3	28.0	28.2	28.5	28.1	26.9	25.4	23.9
42.5°	51.3	51.5	50.7	49.5	50.7	51.5	51.3	49.6	48.1	41.5	34.0
40°	119.9	109.9	96.3	88.4	96.3	109.9	119.9	120.2	113.3	92.1	83.5
37.5°	270.1	278.0	278.7	273.3	278.7	278.0	270.1	257.7	244.2	224.5	205.3
35°	513.1	531.5	532.5	523.1	532.5	531.5	513.1	483.2	435.7	373.5	358.6
32.5°	868.4	909.7	925.2	921.3	925.2	909.7	868.4	869.6	793.6	700.3	643.6
30°	1783.1	1795.5	1668.5	1436.1	1668.5	1795.5	1783.1	1927.5	1617.2	1487.3	1292.5
27.5°	5182.0	5660.2	5833.7	5757.3	5833.7	5660.2	5182.0	4780.2	4039.7	3496.8	2651.4
25°	9225.2	9540.3	9854.8	9891.3	9854.8	9540.3	9225.2	8964.5	8056.9	6619.1	5357.4
22.5°	13707.8	14155.6	14580.7	14483.5	14580.7	14155.6	13707.8	12956.0	11870.6	10266.3	8570.5
20°	18946.4	19255.2	19568.9	19221.8	19568.9	19255.2	18946.4	17825.0	16059.3	14105.7	11810.2
17.5°	25620.5	27074.7	28365.7	27781.8	28365.7	27074.7	25620.5	23320.7	21125.0	18290.3	15493.5
15°	34676.1	37207.2	38691.7	38613.1	38691.7	37207.2	34676.1	31611.0	28355.7	24712.4	21310.0
12.5°	45111.4	47756.4	49271.4	48958.0	49271.4	47756.4	45111.4	41512.3	36866.6	32490.3	28040.2
10°	54526.3	56603.3	58403.3	59108.4	58403.3	56603.3	54526.3	51261.0	46293.2	40688.7	34504.9
7.5°	62842.0	64389.6	65891.0	66159.3	65891.0	64389.6	62842.0	59658.0	54566.9	48211.7	40987.4
5°	69687.5	71880.0	72728.7	73065.3	72728.7	71880.0	69687.5	66484.8	61411.0	54441.7	46217.9
2.5°	75212.3	77217.9	78279.5	77966.1	78279.5	77217.9	75212.3	72002.1	66648.7	59667.8	50087.4
0°	78386.1	79973.6	80840.7	80633.3	80840.7	79973.6	78386.1	75747.8	70601.8	63549.8	52521.7
-2.5°	78698.9	79766.4	80444.6	80178.6	80444.6	79766.4	78698.9	76116.1	70802.7	63196.7	52373.8
-5°	76534.6	77403.2	77759.6	77911.9	77759.6	77403.2	76534.6	74389.4	69013.2	61327.9	49936.4
-7.5°	73552.5	74719.3	74541.9	74848.9	74541.9	74719.3	73552.5	71839.2	66967.8	59195.0	48430.9
-10°	71776.3	72853.2	72697.3	72780.2	72697.3	72853.2	71776.3	69949.9	64244.4	56765.8	45889.8
-12.5°	67466.8	69030.4	69270.4	69539.8	69270.4	69030.4	67466.8	64233.2	59229.6	51387.5	43051.2
-15°	60129.1	61847.1	62886.0	63119.8	62886.0	61847.1	60129.1	56698.3	51471.4	45804.9	38837.2
-17.5°	50855.4	53231.5	54901.9	55290.2	54901.9	53231.5	50855.4	47577.6	43635.0	39314.1	34287.0
-20°	40582.4	42283.3	43148.9	43615.3	43148.9	42283.3	40582.4	37797.6	35517.2	32225.4	28994.8



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31942.0	33065.3	33547.6	33626.3	33547.6	33065.3	31942.0	30400.4	28451.6	26081.3	23511.5
-25°	24954.4	25720.0	26048.2	26533.0	26048.2	25720.0	24954.4	23588.3	21901.5	20129.5	17873.8
-27.5°	19365.5	20038.7	20338.8	20785.1	20338.8	20038.7	19365.5	18362.2	16955.2	15596.5	13822.4
-30°	15153.9	15559.4	15660.6	15682.8	15660.6	15559.4	15153.9	14468.2	13451.7	12310.2	10886.0
-32.5°	11986.7	12443.5	12716.2	12837.7	12716.2	12443.5	11986.7	11395.1	10633.2	9704.1	8638.3
-35°	9299.9	9601.0	9780.2	9982.0	9780.2	9601.0	9299.9	8858.9	8269.9	7570.8	6889.0
-37.5°	7230.4	7453.7	7577.1	7618.7	7577.1	7453.7	7230.4	6904.8	6486.0	5953.9	5439.3
-40°	5771.3	5993.0	6126.1	6146.1	6126.1	5993.0	5771.3	5478.7	5112.0	4640.2	4074.2
-42.5°	4537.0	4813.2	4991.9	5032.8	4991.9	4813.2	4537.0	4209.1	3777.5	3262.7	2648.7
-45°	2941.3	3198.4	3334.5	3325.8	3334.5	3198.4	2941.3	2607.6	2151.2	1633.3	1145.1
-47.5°	1230.6	1272.1	1289.9	1284.1	1289.9	1272.1	1230.6	1172.5	1081.7	970.5	858.3
-50°	905.5	929.0	941.9	944.8	941.9	929.0	905.5	877.8	842.7	799.3	754.6
-52.5°	813.1	821.8	824.8	824.7	824.8	821.8	813.1	805.3	796.2	778.4	757.6
-55°	846.5	865.4	872.9	873.0	872.9	865.4	846.5	826.6	805.1	767.3	726.8
-57.5°	789.8	811.1	821.0	823.5	821.0	811.1	789.8	765.7	739.2	693.4	644.4
-60°	666.4	683.5	691.0	692.7	691.0	683.5	666.4	646.7	624.8	587.4	545.3
-62.5°	536.5	549.5	553.5	552.5	553.5	549.5	536.5	520.7	502.2	472.2	436.6
-65°	396.5	405.5	406.2	402.9	406.2	405.5	396.5	385.2	371.7	351.1	324.9
-67.5°	273.1	278.8	279.1	276.9	279.1	278.8	273.1	265.5	256.0	241.8	223.0
-70°	172.4	176.7	176.9	175.5	176.9	176.7	172.4	167.0	160.7	152.4	141.6
-72.5°	104.8	107.1	109.2	110.7	109.2	107.1	104.8	101.9	98.6	94.3	88.3
-75°	63.4	64.2	64.1	63.6	64.1	64.2	63.4	62.2	60.7	58.5	54.2
-77.5°	36.7	37.4	38.8	40.1	38.8	37.4	36.7	35.8	34.9	33.6	30.8
-80°	21.0	21.1	21.8	22.4	21.8	21.1	21.0	20.8	20.5	20.0	18.4
-82.5°	14.6	15.2	15.3	15.3	15.3	15.2	14.6	13.9	13.2	12.5	11.4
-85°	9.0	9.4	10.0	10.6	10.0	9.4	9.0	8.7	8.3	7.9	7.3
-87.5°	5.6	5.9	5.9	5.9	5.9	5.9	5.6	5.3	5.0	4.7	4.7
-90°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.1	2.4	2.4



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4.1	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2	3.5
85°	2.4	2.4	2.4	2.6	2.8	3.0	3.1	3.2	3.2	3.4	3.5
82.5°	2.4	2.4	2.4	2.7	3.0	3.2	3.5	3.5	3.5	3.5	3.5
80°	2.8	3.0	3.1	3.1	3.2	3.4	3.5	3.6	3.5	3.5	3.6
77.5°	3.0	3.3	3.5	3.5	3.5	3.5	3.6	3.9	4.1	4.2	4.2
75°	3.3	3.4	3.5	3.6	3.6	3.5	3.6	3.9	4.2	4.5	4.7
72.5°	3.9	4.0	4.1	4.2	4.3	4.4	4.6	4.8	4.9	4.8	4.7
70°	5.2	5.4	5.6	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.0
67.5°	6.7	7.2	8.0	9.0	9.4	9.5	9.3	8.6	8.3	8.3	7.5
65°	7.9	8.3	9.0	9.8	10.8	11.9	13.6	13.8	13.1	11.5	9.0
62.5°	8.6	9.3	9.7	10.1	10.8	12.7	16.1	18.1	18.7	16.6	12.6
60°	8.2	8.3	8.9	9.5	10.1	13.6	18.8	22.5	24.7	21.0	15.8
57.5°	8.3	8.3	8.7	9.0	9.3	13.9	20.1	26.7	30.7	24.2	18.1
55°	9.2	9.2	9.1	9.2	9.6	14.0	19.7	26.3	30.2	26.2	19.4
52.5°	8.2	9.0	9.4	9.5	10.3	13.5	17.9	24.0	26.0	22.9	18.8
50°	10.4	10.4	10.3	10.3	11.1	12.7	16.0	20.8	20.9	19.6	16.3
47.5°	13.7	13.4	12.8	12.5	12.7	12.7	14.6	16.9	18.2	16.7	14.3
45°	22.6	20.2	16.9	16.9	16.3	15.6	14.7	17.3	18.0	17.0	13.2
42.5°	37.6	34.7	29.2	27.4	24.3	22.2	19.9	21.2	21.6	19.8	17.9
40°	82.7	63.0	58.9	49.2	41.1	33.8	30.5	27.5	27.6	25.9	25.1
37.5°	181.4	156.5	136.3	102.4	81.1	55.9	46.5	39.2	34.6	37.3	35.8
35°	323.2	293.6	270.6	225.1	158.5	120.6	72.4	56.4	52.1	54.8	50.2
32.5°	496.4	502.8	457.2	397.5	344.4	241.3	154.8	84.8	93.1	88.3	72.5
30°	1102.5	1010.3	758.7	769.5	769.4	492.7	286.1	223.6	166.5	137.6	104.5
27.5°	2561.5	2262.3	1736.9	1547.0	1538.1	1099.8	661.4	456.3	292.1	215.8	159.2
25°	4753.2	4246.4	3390.4	2826.4	2545.0	1940.4	1218.8	862.7	556.0	312.3	217.4
22.5°	7237.1	6315.6	5214.5	4133.6	3492.8	2584.2	1815.1	1361.0	852.1	447.1	287.8
20°	9978.1	8546.5	7166.1	5796.8	4450.9	3167.5	2264.1	1856.4	1245.0	631.6	355.3
17.5°	13296.2	11035.5	9560.6	7702.1	5871.5	4134.7	3179.4	2499.5	1737.3	786.3	416.8
15°	17453.8	15056.9	12800.0	10186.0	7811.4	6073.8	4533.9	3350.9	2320.3	1082.0	555.2
12.5°	23970.0	20314.3	16772.4	13346.4	10615.6	8312.9	6272.1	4539.6	3001.3	1609.6	780.9
10°	29893.0	25426.3	20953.6	17033.0	13672.8	10699.8	7894.9	5480.8	3594.0	2142.7	1027.7
7.5°	34716.9	29671.3	24914.1	20074.9	15967.8	12318.9	9015.4	6267.3	4095.5	2623.9	1284.6
5°	38585.7	32624.1	27186.6	21560.4	17408.4	13764.9	10021.6	6975.7	4508.6	3045.7	1539.0
2.5°	40991.6	34481.6	28824.2	22647.0	18464.2	14925.9	10897.7	7587.0	4858.2	3376.7	1760.9
0°	42406.6	35728.0	29901.2	23369.8	19061.5	15549.6	11618.3	8068.8	5141.2	3628.5	1954.5
-2.5°	42085.0	34866.6	28899.1	22317.3	17953.5	14487.0	10920.7	7888.0	5408.6	3683.3	1883.0
-5°	39355.1	32581.6	27048.2	21259.2	16941.3	13650.4	10393.7	7742.3	5551.8	3653.1	1773.7
-7.5°	38221.6	30959.0	25091.2	19795.5	15819.5	12827.5	9985.2	7651.0	5551.8	3602.8	1797.8
-10°	36445.8	29993.8	24399.8	19250.0	15242.5	11981.7	9540.0	7465.2	5436.8	3449.2	1755.3
-12.5°	35006.9	28855.7	23483.6	18746.6	15267.0	11982.6	9404.4	7233.3	5202.4	3190.4	1635.2
-15°	32892.4	27757.4	22583.5	18289.1	15016.4	11802.0	9185.6	6953.7	4697.7	2766.2	1429.2
-17.5°	29611.7	25720.9	20924.4	16744.7	13686.7	11271.0	8756.8	6312.0	3992.5	2217.2	1103.3
-20°	25621.7	22079.1	18195.3	14613.4	11729.6	9440.1	7730.2	5303.0	3201.9	1749.3	978.8



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21226.9	18096.3	14711.5	11872.0	9476.6	7557.0	5915.1	3998.5	2313.2	1236.8	847.3
-25°	16330.9	13928.4	11217.3	9364.3	7320.4	5528.6	4325.7	2919.2	1698.1	913.0	718.1
-27.5°	12349.0	10228.2	8771.8	7382.4	5767.3	4306.2	3128.1	1972.1	1095.4	780.6	634.9
-30°	9432.7	8257.4	7157.1	6100.1	4779.0	3432.5	2135.1	1324.8	839.2	669.0	576.0
-32.5°	7534.3	6762.0	5923.1	4967.8	3736.9	2421.0	1480.9	860.3	699.3	610.4	551.8
-35°	6185.8	5473.6	4667.3	3657.5	2485.3	1574.0	907.2	734.2	626.3	565.1	536.7
-37.5°	4858.6	4161.0	3263.7	2301.7	1494.6	926.7	767.6	655.5	578.2	548.9	507.2
-40°	3449.3	2697.1	1951.2	1211.3	916.1	773.5	678.3	600.7	566.4	522.5	469.8
-42.5°	2018.0	1371.1	1005.5	868.3	752.6	683.2	619.5	585.7	542.4	485.4	419.9
-45°	1020.8	900.7	789.4	732.7	670.7	633.2	601.2	554.3	500.4	435.8	365.5
-47.5°	799.6	753.5	703.2	671.5	644.9	610.9	559.6	506.8	445.2	381.4	323.1
-50°	724.1	707.3	685.3	653.1	607.5	560.5	504.5	445.6	389.3	334.8	281.1
-52.5°	730.0	690.2	647.9	602.2	546.7	492.0	437.7	388.6	338.7	288.9	241.2
-55°	683.3	632.3	579.2	523.9	468.1	422.4	377.0	332.7	287.9	242.6	205.2
-57.5°	594.2	544.8	496.5	447.4	397.6	356.8	317.7	277.0	239.7	204.7	170.4
-60°	502.8	460.2	415.6	373.0	332.7	295.8	261.1	227.9	196.5	165.8	135.2
-62.5°	400.8	365.5	330.3	296.8	264.9	234.9	205.7	178.1	151.8	126.1	103.2
-65°	297.6	269.6	243.0	219.5	196.2	173.3	149.5	129.3	111.1	92.8	74.2
-67.5°	203.4	183.3	164.3	147.6	133.9	119.9	104.5	88.8	76.9	66.7	55.5
-70°	130.2	118.4	107.1	96.1	87.2	79.5	70.9	62.1	53.4	45.7	37.7
-72.5°	81.8	75.0	68.5	62.6	56.5	51.0	45.3	39.3	33.2	27.1	21.9
-75°	49.7	44.8	40.1	36.2	32.0	27.5	24.5	22.0	19.5	16.9	14.2
-77.5°	27.9	25.1	22.6	20.8	18.9	17.0	15.0	13.1	12.0	10.9	10.0
-80°	16.9	15.3	13.7	12.7	11.7	10.7	9.8	9.1	8.5	8.1	7.8
-82.5°	10.4	9.4	8.4	8.0	7.6	7.3	6.9	6.8	6.6	6.4	6.2
-85°	6.8	6.2	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2
-87.5°	4.7	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.4
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2	3.5



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	3.7	3.9	4.0	4.2	4.3	4.4	4.5	4.7	4.7	4.7	4.7
85°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	3.9	4.2	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.2	4.3	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.6	4.6	4.7	4.8	4.7	4.7	4.7	4.8	4.7	4.7
72.5°	4.7	4.7	4.7	4.8	5.0	5.0	4.9	4.8	5.0	5.0	4.8
70°	5.3	4.8	4.7	4.9	5.2	5.4	5.4	5.2	5.2	5.2	5.1
67.5°	6.5	5.8	5.2	5.0	5.2	5.5	5.8	5.6	5.4	5.5	5.4
65°	7.9	6.9	5.9	5.6	5.4	5.6	5.9	5.9	5.7	5.6	5.7
62.5°	9.8	8.2	7.1	6.2	5.8	5.7	5.9	5.9	5.9	5.8	5.8
60°	11.9	9.3	8.2	7.2	6.3	5.9	5.9	5.9	5.9	5.9	5.9
57.5°	13.2	9.8	8.7	7.9	7.0	6.2	5.9	5.9	5.9	5.9	5.9
55°	13.8	10.1	9.3	8.4	7.6	6.7	6.1	5.9	5.9	5.9	5.9
52.5°	13.4	10.7	9.8	8.9	8.0	7.2	6.5	5.9	5.9	5.9	5.9
50°	11.9	11.4	10.4	9.4	8.4	7.6	7.0	6.3	5.9	5.9	5.9
47.5°	12.1	12.1	11.3	9.9	8.8	8.1	7.4	6.7	5.9	5.9	5.9
45°	13.7	13.0	12.3	10.8	9.3	8.5	7.8	7.0	6.2	5.9	5.9
42.5°	16.6	15.5	13.6	11.8	10.4	9.0	8.2	7.4	6.6	6.0	5.9
40°	23.0	19.5	15.9	14.6	11.8	9.4	8.5	7.7	6.9	6.2	6.0
37.5°	30.8	25.8	20.5	20.4	14.6	10.9	8.9	8.0	7.3	6.6	6.2
35°	42.6	34.3	30.2	29.1	22.1	12.6	9.3	8.3	7.7	6.9	6.3
32.5°	56.1	50.2	46.5	39.2	31.8	14.4	10.4	8.9	8.1	7.2	6.5
30°	82.3	78.8	67.5	50.2	42.9	23.3	12.2	9.6	8.6	7.5	6.7
27.5°	123.0	114.1	93.7	68.9	53.3	34.2	14.5	10.4	9.1	7.8	6.9
25°	166.4	151.7	128.0	92.6	64.3	45.7	17.0	11.3	9.7	8.2	7.2
22.5°	218.2	187.4	166.8	119.0	78.2	57.4	23.0	13.3	10.4	8.6	7.4
20°	266.0	221.4	208.3	145.1	98.0	68.5	32.4	15.3	11.1	9.0	7.6
17.5°	312.3	266.7	240.2	175.9	119.7	80.9	41.6	17.4	11.8	9.4	7.8
15°	399.7	329.7	277.6	207.1	140.2	94.4	50.5	19.4	12.5	9.8	7.9
12.5°	499.9	396.5	320.8	238.1	159.3	108.6	58.9	21.4	13.3	10.2	8.0
10°	603.6	465.7	368.1	268.5	177.1	123.1	66.8	24.1	14.3	10.6	8.1
7.5°	708.3	535.8	417.7	297.5	197.0	145.2	85.1	28.4	15.5	10.9	8.1
5°	804.2	601.7	469.8	342.9	235.0	174.9	105.4	32.8	16.7	11.3	8.2
2.5°	863.6	659.1	519.9	388.2	272.0	203.7	125.2	37.2	17.8	11.6	8.2
0°	914.2	711.6	565.5	430.0	307.5	230.9	143.7	41.2	18.8	11.8	8.2
-2.5°	915.0	713.1	580.9	469.8	346.8	260.0	166.3	53.3	25.8	15.0	9.3
-5°	907.6	711.0	594.5	506.0	383.3	286.6	185.9	64.6	32.4	18.0	10.4
-7.5°	925.3	718.3	607.1	534.8	416.2	310.2	201.6	74.9	38.6	20.8	11.4
-10°	937.4	727.6	615.3	533.2	416.5	316.9	210.7	83.8	44.0	23.2	12.3
-12.5°	933.5	729.5	620.4	526.3	407.8	308.6	202.6	90.0	48.5	25.1	13.1
-15°	911.8	723.1	622.3	513.4	395.6	298.5	192.9	94.3	52.4	27.1	13.7
-17.5°	858.7	707.9	620.7	494.3	379.7	287.1	182.2	97.1	55.3	28.9	14.7
-20°	778.2	672.8	612.2	468.4	359.8	274.4	170.8	98.5	57.0	30.2	15.7



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	702.9	630.5	562.7	442.9	339.2	260.6	159.0	98.1	57.5	30.6	16.5
-25°	627.1	591.0	512.0	409.3	321.2	243.3	152.3	96.2	56.8	30.3	16.9
-27.5°	576.1	549.6	465.6	374.7	298.9	226.7	149.3	95.1	55.3	29.1	16.9
-30°	538.7	499.9	425.1	341.6	274.6	204.3	144.1	92.3	53.9	28.4	16.6
-32.5°	516.1	457.7	385.1	313.0	248.2	181.5	132.7	87.6	51.3	28.0	16.3
-35°	484.4	418.5	345.7	282.2	221.5	164.6	118.6	81.1	47.5	27.1	15.8
-37.5°	450.1	377.6	310.2	251.0	194.7	146.4	105.8	71.6	42.4	25.5	15.1
-40°	403.4	336.7	275.1	221.8	171.8	126.8	92.2	62.7	39.0	23.3	14.0
-42.5°	354.8	297.5	243.5	193.1	149.0	111.0	78.4	53.3	35.0	21.4	12.7
-45°	311.6	259.7	212.5	168.1	125.9	94.6	67.6	44.3	30.5	19.4	11.5
-47.5°	269.1	225.4	183.4	142.6	107.6	78.8	56.4	38.9	25.8	17.0	10.7
-50°	231.8	192.8	155.7	120.8	89.2	66.2	46.2	33.2	22.4	14.1	9.9
-52.5°	199.2	163.3	130.2	99.3	74.5	53.3	39.4	27.3	18.7	12.3	9.0
-55°	168.6	134.8	105.2	81.0	60.1	44.4	32.3	22.8	14.8	11.0	8.1
-57.5°	137.8	106.5	84.3	64.3	48.8	36.3	26.1	18.0	12.6	9.6	7.9
-60°	107.1	84.7	65.1	51.3	39.3	28.7	20.2	13.9	11.0	8.4	7.6
-62.5°	82.0	64.0	51.7	40.3	30.3	21.7	14.8	11.9	9.2	8.1	7.4
-65°	61.6	49.9	39.1	30.0	21.6	15.4	12.4	9.8	8.5	7.8	7.1
-67.5°	44.9	35.9	27.3	19.5	15.4	12.5	9.9	8.9	8.2	7.5	6.8
-70°	29.8	22.2	17.5	14.5	11.8	9.7	9.0	8.4	7.8	7.2	6.5
-72.5°	18.5	15.4	12.6	10.4	9.6	9.0	8.5	8.0	7.4	6.8	6.2
-75°	11.7	10.6	9.8	9.1	8.6	8.2	7.9	7.6	7.0	6.5	6.1
-77.5°	9.4	8.8	8.3	8.0	7.8	7.6	7.4	7.1	6.7	6.3	6.0
-80°	7.6	7.5	7.4	7.4	7.3	7.1	6.9	6.7	6.4	6.1	6.0
-82.5°	6.3	6.4	6.6	6.8	6.6	6.5	6.4	6.2	6.0	5.9	5.8
-85°	5.4	5.7	5.9	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4
-87.5°	4.6	4.9	5.1	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.1
-90°	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
67.5°	5.0	4.7	4.7	4.7	4.7	4.7	4.7
65°	5.3	4.8	4.7	4.7	4.7	4.7	4.7
62.5°	5.6	5.1	4.7	4.7	4.7	4.7	4.7
60°	5.9	5.3	4.7	4.7	4.7	4.7	4.7
57.5°	5.9	5.5	4.9	4.7	4.7	4.7	4.7
55°	5.9	5.7	5.0	4.7	4.7	4.7	4.7
52.5°	5.9	5.9	5.2	4.7	4.7	4.7	4.7
50°	5.9	5.9	5.4	4.7	4.7	4.7	4.7
47.5°	5.9	5.9	5.5	4.7	4.7	4.7	4.7
45°	5.9	5.9	5.7	4.8	4.7	4.7	4.7
42.5°	5.9	5.9	5.8	5.0	4.7	4.7	4.7
40°	5.9	5.9	5.9	5.0	4.7	4.7	4.7
37.5°	5.9	5.9	5.9	5.1	4.7	4.7	4.7
35°	5.9	5.9	5.9	5.2	4.7	4.7	4.7
32.5°	5.9	5.9	5.9	5.2	4.7	4.7	4.7
30°	6.1	5.9	5.9	5.2	4.7	4.7	4.7
27.5°	6.2	5.9	5.9	5.3	4.7	4.7	4.7
25°	6.3	5.9	5.8	5.2	4.7	4.7	4.7
22.5°	6.5	5.9	5.8	5.2	4.7	4.7	4.7
20°	6.6	5.9	5.8	5.2	4.7	4.7	4.7
17.5°	6.8	5.9	5.8	5.2	4.7	4.7	4.7
15°	6.8	5.9	5.8	5.1	4.7	4.7	4.7
12.5°	6.9	5.9	5.8	5.1	4.7	4.7	4.7
10°	7.0	5.9	5.9	5.0	4.7	4.7	4.7
7.5°	7.0	5.9	5.9	4.9	4.7	4.7	4.7
5°	7.1	5.9	5.9	4.9	4.7	4.7	4.7
2.5°	7.1	5.9	5.9	4.8	4.7	4.7	4.7
0°	7.1	5.9	5.9	4.8	4.7	4.7	4.7
-2.5°	7.6	6.2	5.9	4.8	4.7	4.7	4.7
-5°	8.0	6.4	5.9	4.9	4.7	4.7	4.7
-7.5°	8.4	6.6	5.9	4.9	4.7	4.7	4.7
-10°	8.8	6.8	5.9	5.0	4.7	4.7	4.7
-12.5°	9.1	7.0	5.8	5.1	4.7	4.7	4.7
-15°	9.4	7.1	5.8	5.1	4.7	4.7	4.7
-17.5°	9.7	7.2	5.8	5.2	4.7	4.7	4.7
-20°	10.0	7.3	5.8	5.2	4.7	4.7	4.7



REPORT NUMBER: P701428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10.3	7.3	5.8	5.2	4.7	4.7	4.7
-25°	10.5	7.2	5.8	5.2	4.7	4.7	4.7
-27.5°	10.5	7.2	5.9	5.3	4.7	4.7	4.7
-30°	10.3	7.1	5.9	5.2	4.7	4.7	4.7
-32.5°	10.0	6.9	6.0	5.2	4.7	4.7	4.7
-35°	9.7	6.7	6.0	5.2	4.7	4.7	4.7
-37.5°	9.4	6.5	6.1	5.1	4.7	4.7	4.7
-40°	9.0	6.6	6.1	5.0	4.7	4.7	4.7
-42.5°	8.6	6.6	6.0	5.0	4.7	4.7	4.7
-45°	8.0	6.6	5.9	4.9	4.7	4.7	4.7
-47.5°	7.4	6.6	5.8	4.8	4.7	4.7	4.7
-50°	7.3	6.6	5.7	4.8	4.7	4.7	4.7
-52.5°	7.2	6.5	5.6	4.8	4.7	4.7	4.7
-55°	7.1	6.4	5.4	4.8	4.7	4.7	4.7
-57.5°	7.0	6.2	5.3	4.9	4.7	4.7	4.7
-60°	6.8	6.0	5.1	4.9	4.7	4.7	4.7
-62.5°	6.6	5.8	5.2	4.9	4.7	4.7	4.7
-65°	6.4	5.6	5.2	4.9	4.7	4.7	4.7
-67.5°	6.1	5.5	5.2	4.9	4.7	4.7	4.7
-70°	5.8	5.5	5.2	4.9	4.7	4.7	4.7
-72.5°	5.8	5.5	5.2	4.9	4.7	4.7	4.7
-75°	5.8	5.6	5.3	4.9	4.7	4.7	4.7
-77.5°	5.9	5.6	5.2	4.9	4.7	4.7	4.7
-80°	5.9	5.5	5.1	4.8	4.7	4.7	4.7
-82.5°	5.6	5.3	5.0	4.8	4.7	4.7	4.7
-85°	5.3	5.1	4.9	4.8	4.7	4.7	4.7
-87.5°	5.0	4.9	4.8	4.7	4.7	4.7	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(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

