

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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-2S-VHE-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-2S-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

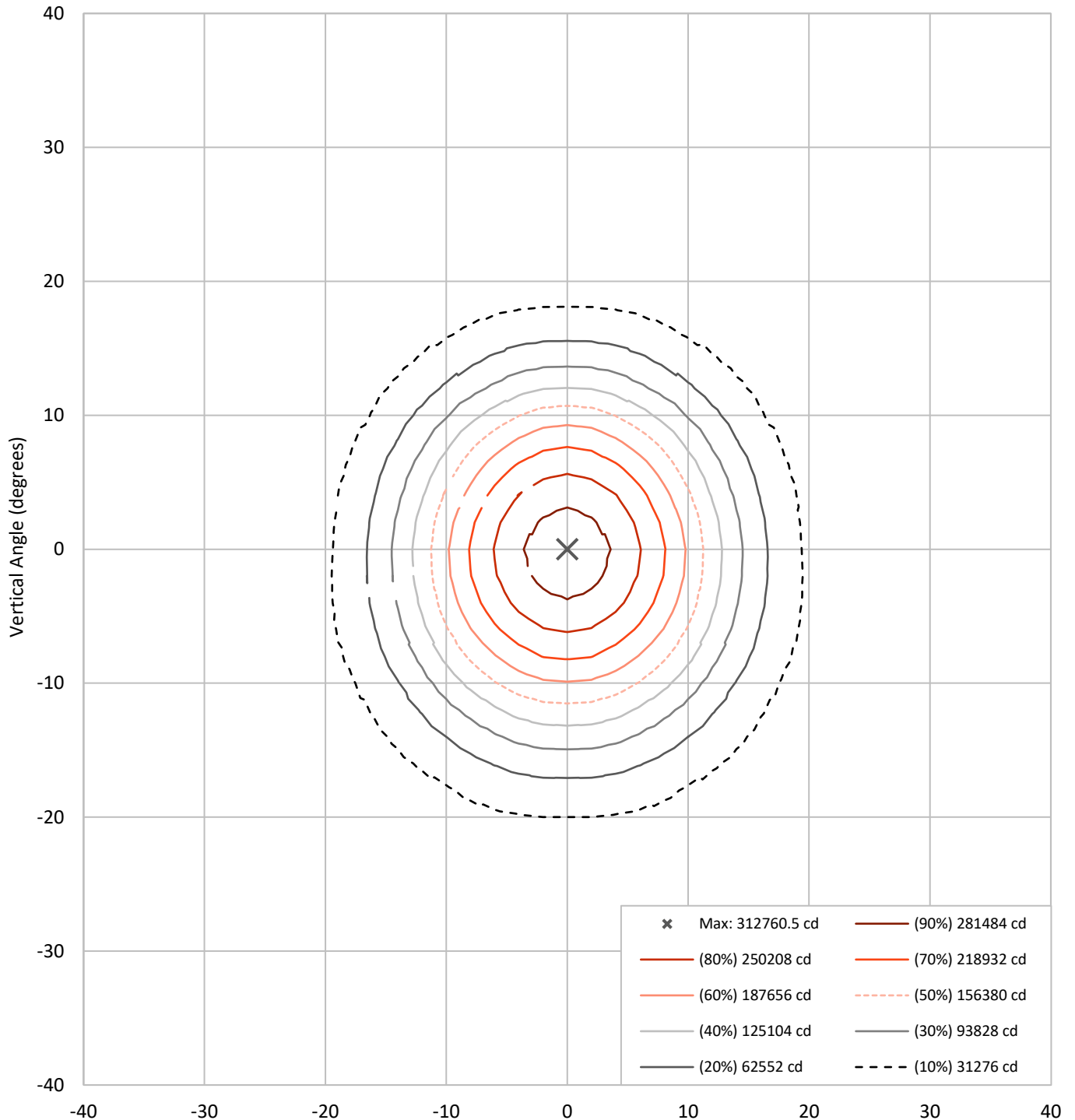
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	54665.9 lumens	Max Intensity:	312760.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	157.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	25544.5 lumens	Field Lumens:	45506.9 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%

Input Watts (W): 346.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

Iso-Candela Plot





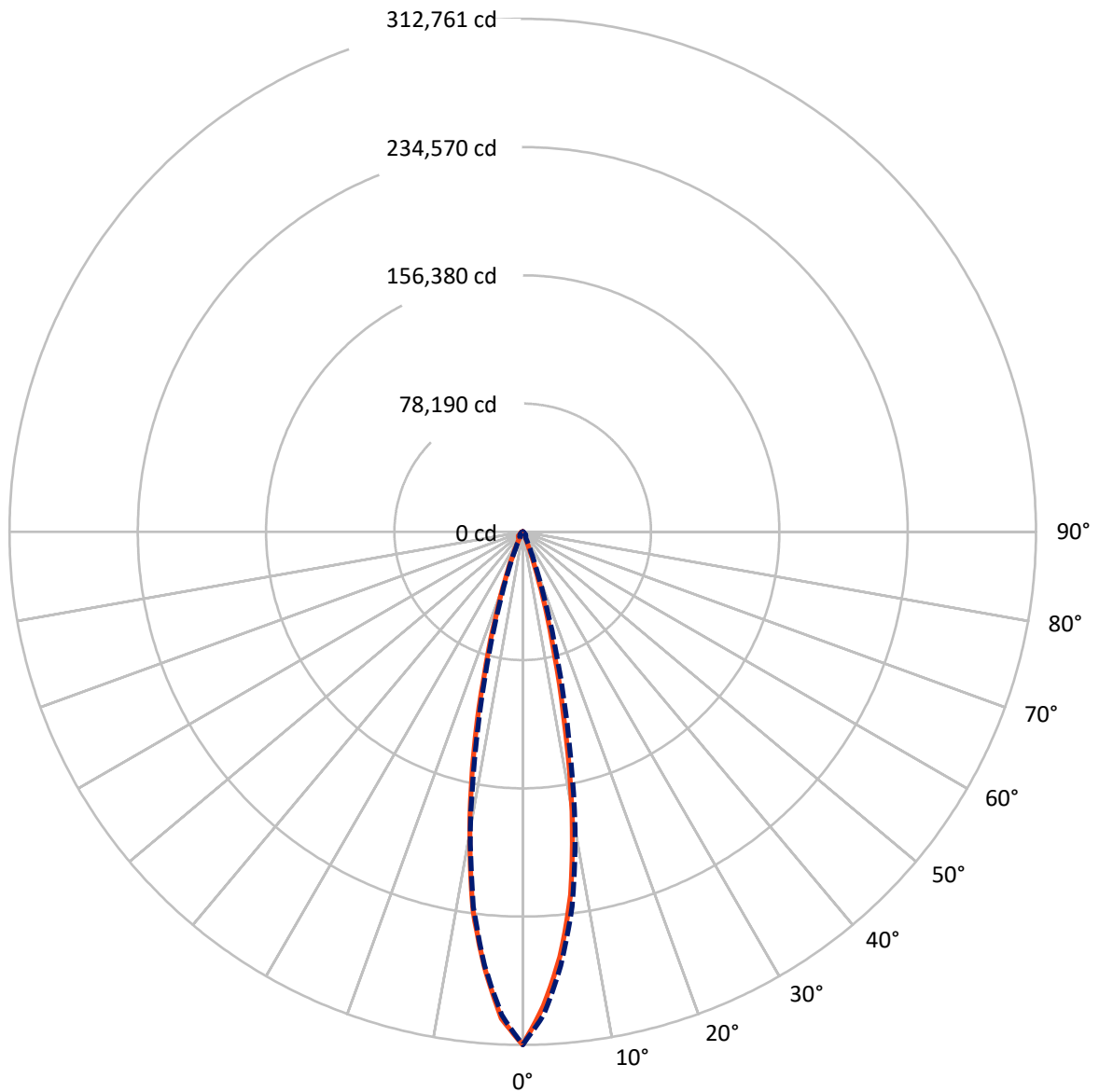
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Lumen Table

90	0.1		0.4		0.8		1.2		1.4		1.2		0.8		0.4		0.1
80	0.1		0.4		0.8		1.2		1.4		1.2		0.8		0.4		0.1
70	0.1	0.1	0.1	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.1	0.1	0.1	
60		0.2	0.5	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.2		
50	0.4	0.7	1.6	3.3	5.7	9.4	14.4	17.0	17.0	14.4	9.4	5.7	3.3	1.6	0.7	0.4	
40		1.7	5.4	10.4	20.3	35.4	43.1	47.7	47.7	43.1	35.4	20.3	10.4	5.4	1.7		
30	1.1	2.9	8.9	19.0	46.4	54.0	74.5	136.2	136.2	74.5	54.0	46.4	19.0	8.9	2.9	1.1	
20		3.9	11.6	33.3	65.5	96.2	610.4	1968.8	1968.8	610.4	96.2	65.5	33.3	11.6	3.9		
10	1.6	4.7	13.4	43.5	75.0	215.2	2162.4	6500.6	6500.6	2162.4	215.2	75.0	43.5	13.4	4.7	1.6	
0		5.2	14.8	45.9	82.5	246.7	2355.0	6760.4	6760.4	2355.0	246.7	82.5	45.9	14.8	5.2		
-10	1.7	5.2	15.4	44.3	86.8	141.2	863.1	2528.5	2528.5	863.1	141.2	86.8	44.3	15.4	5.2	1.7	
-20		4.8	15.1	33.8	81.9	112.3	156.0	312.0	312.0	156.0	112.3	81.9	33.8	15.1	4.8		
-30	1.4	4.1	13.2	26.5	57.3	100.8	118.1	123.9	123.9	118.1	100.8	57.3	26.5	13.2	4.1	1.4	
-40		3.1	10.0	21.4	34.2	52.5	79.8	100.2	100.2	79.8	52.5	34.2	21.4	10.0	3.1		
-50	1.1	2.0	6.4	14.0	23.9	32.4	38.6	42.6	42.6	38.6	32.4	23.9	14.0	6.4	2.0	1.1	
-60		1.4	3.2	7.0	12.2	17.1	21.6	24.3	24.3	21.6	17.1	12.2	7.0	3.2	1.4		
-70	0.8	5.0	12.1	20.3	24.8	20.3	12.1	5.0	0.8	0.8							
-80		0.8	5.0	12.1	20.3	24.8	20.3	12.1	5.0		0.8						
-90	0.1		0.4		0.8		1.2		1.4		1.2		0.8		0.4		0.1

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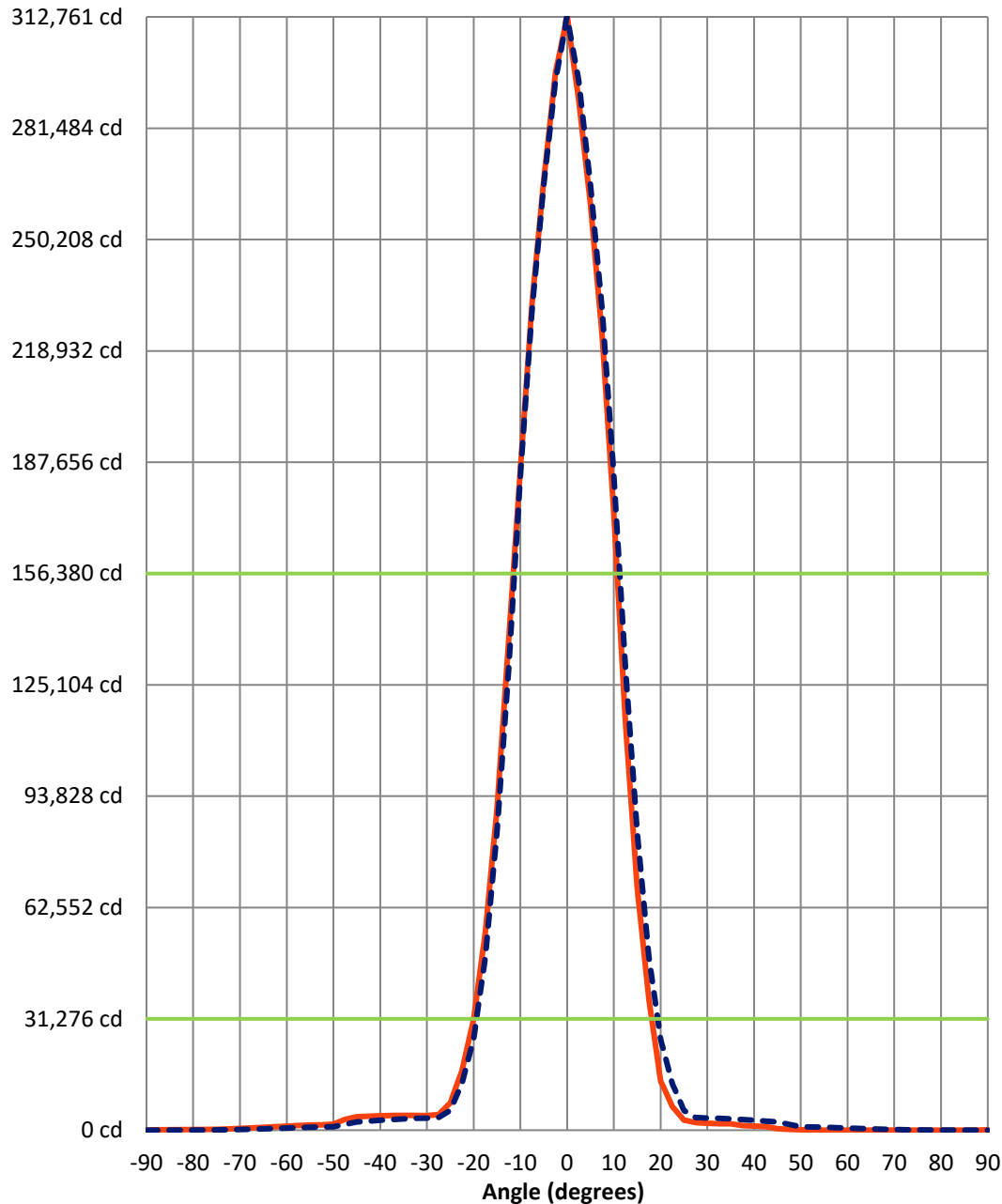
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 25544.5
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 45506.9
 Efficiency: 83.2%

Spill:
 Lumens: 9159
 Efficiency: 16.8%

— 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°	3.2	6.7	10.2	17.5	24.9	31.3	37.7	42.5	47.2	51.1	54.9
87.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.3	3.2	3.2	3.2
85°	3.2	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.2	3.2	3.2
82.5°	3.2	3.4	3.5	3.6	3.5	3.6	3.7	3.5	3.2	3.3	3.4
80°	3.2	3.5	3.7	3.7	3.6	3.7	3.8	3.7	3.7	3.7	3.6
77.5°	3.2	3.6	3.8	3.8	3.7	3.9	4.0	4.0	4.1	4.1	3.9
75°	3.2	3.7	3.9	4.0	3.9	4.1	4.2	4.3	4.5	4.4	4.3
72.5°	3.2	3.8	4.0	4.1	4.1	4.3	4.4	4.6	4.8	4.7	4.6
70°	3.2	3.9	4.1	4.2	4.3	4.6	4.6	4.9	5.0	5.0	4.9
67.5°	3.2	3.9	4.3	4.4	4.6	4.8	5.0	5.2	5.3	5.4	5.3
65°	3.2	4.0	4.4	4.6	4.8	5.1	5.4	5.5	5.9	5.9	5.9
62.5°	3.2	4.1	4.5	4.7	5.0	5.5	5.8	6.2	6.7	6.6	6.9
60°	3.2	4.2	4.7	4.9	5.2	5.9	6.2	7.1	7.5	7.9	8.0
57.5°	3.2	4.3	4.8	5.1	5.7	6.2	7.2	8.1	9.1	9.5	10.7
55°	3.2	4.4	5.0	5.2	6.1	6.6	8.4	9.3	10.9	11.8	14.3
52.5°	3.2	4.4	5.2	5.4	6.6	7.2	9.7	11.3	12.9	16.3	18.3
50°	3.2	4.5	5.4	5.5	7.1	8.6	11.0	13.4	15.9	21.1	26.2
47.5°	3.2	4.6	5.7	5.7	7.7	10.0	12.6	15.7	20.8	26.4	35.6
45°	3.2	4.7	5.9	6.2	8.2	11.4	14.6	18.0	26.2	35.8	45.9
42.5°	3.2	4.7	6.2	6.6	8.8	12.9	16.7	22.0	32.0	46.0	62.4
40°	3.2	4.8	6.4	7.3	9.8	14.4	18.9	27.3	39.4	56.8	81.2
37.5°	3.2	4.9	6.7	8.0	11.0	16.0	21.3	32.7	50.0	70.9	101.3
35°	3.2	5.0	7.0	8.8	12.2	17.8	23.7	38.4	61.1	89.6	123.8
32.5°	3.2	5.0	7.3	9.6	13.4	19.8	26.9	44.2	72.6	108.7	147.7
30°	3.2	5.1	7.7	10.5	14.6	21.7	31.6	50.9	84.6	127.9	170.4
27.5°	3.2	5.2	8.0	11.3	16.1	23.7	36.3	59.8	97.0	147.3	191.9
25°	3.2	5.2	8.3	12.2	17.7	25.6	40.9	68.1	109.9	165.7	212.4
22.5°	3.2	5.3	8.7	13.1	19.2	27.5	45.4	76.0	121.8	178.2	234.5
20°	3.2	5.4	9.0	13.9	20.6	29.6	49.8	83.4	132.7	189.7	251.8
17.5°	3.2	5.4	9.3	14.8	22.0	31.6	53.8	90.2	142.5	200.4	268.1
15°	3.2	5.5	9.7	15.7	23.3	33.5	57.4	96.2	151.3	210.0	283.8
12.5°	3.2	5.5	10.0	16.5	24.6	35.3	60.7	101.3	159.6	218.6	298.6
10°	3.2	5.6	10.3	17.4	25.8	37.0	63.6	105.9	167.5	229.3	313.9
7.5°	3.2	5.6	10.7	18.2	27.0	38.6	66.2	109.9	174.6	239.7	331.3
5°	3.2	5.6	11.0	19.0	28.1	40.1	68.5	113.2	180.8	249.2	347.3
2.5°	3.2	5.7	11.2	19.7	29.1	41.5	70.5	116.0	186.0	257.6	361.6
0°	3.2	5.7	11.5	20.4	30.0	42.8	72.1	118.1	190.2	264.9	374.0
-2.5°	3.2	5.9	12.1	21.3	31.3	44.6	74.4	122.4	196.0	272.5	380.5
-5°	3.2	6.2	12.7	22.2	32.5	46.2	76.4	126.0	200.6	278.7	384.9
-7.5°	3.2	6.4	13.2	22.9	33.7	47.7	77.9	128.8	203.9	283.5	387.2
-10°	3.2	6.7	13.7	23.7	34.8	49.1	79.1	130.7	205.9	286.6	387.6
-12.5°	3.2	6.9	14.2	24.4	35.7	50.3	79.9	131.7	206.6	287.9	387.2
-15°	3.2	7.1	14.7	25.0	36.6	51.3	80.3	131.7	205.0	285.6	384.5
-17.5°	3.2	7.3	15.1	25.5	37.4	52.2	80.3	130.3	201.2	281.6	378.8
-20°	3.2	7.5	15.5	26.0	38.0	52.9	80.0	127.8	196.2	275.9	369.9



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.2	7.6	15.8	26.5	38.6	53.5	79.4	124.5	189.8	268.4	358.2
-25°	3.2	7.8	16.1	26.8	39.0	53.9	78.3	120.4	182.2	259.2	346.6
-27.5°	3.2	8.0	16.4	27.2	39.4	54.3	76.8	115.4	173.4	251.6	338.5
-30°	3.2	8.1	16.6	27.4	39.6	54.5	74.7	109.5	166.3	243.1	328.3
-32.5°	3.2	8.2	16.8	27.6	39.9	54.5	72.2	105.8	160.3	232.8	315.9
-35°	3.2	8.3	16.9	27.7	40.1	54.3	71.2	102.7	152.9	220.6	301.3
-37.5°	3.2	8.4	17.0	27.7	40.2	54.1	70.8	99.1	144.0	206.5	285.5
-40°	3.2	8.5	17.0	27.7	40.2	54.1	70.2	94.7	133.6	193.8	267.7
-42.5°	3.2	8.5	17.0	27.7	40.1	53.9	69.3	89.4	125.7	180.2	247.6
-45°	3.2	8.6	17.0	27.6	40.1	53.6	68.3	85.3	118.6	164.8	225.9
-47.5°	3.2	8.6	16.9	27.5	39.9	53.2	66.9	83.7	110.5	147.8	206.4
-50°	3.2	8.6	16.7	27.4	39.7	52.6	66.0	81.8	101.3	137.2	184.9
-52.5°	3.2	8.6	16.5	27.2	39.3	51.9	65.1	79.6	96.5	125.6	161.9
-55°	3.2	8.6	16.3	26.9	38.9	51.2	64.0	77.2	93.5	113.0	146.5
-57.5°	3.2	8.5	16.0	26.6	38.3	50.4	62.7	75.6	90.1	106.9	130.3
-60°	3.2	8.5	15.7	26.1	37.7	49.4	61.2	73.8	86.7	102.4	117.1
-62.5°	3.2	8.4	15.4	25.6	36.9	48.2	59.7	71.8	84.1	97.4	111.0
-65°	3.2	8.3	15.1	25.1	36.1	46.9	58.0	69.5	81.3	93.3	104.6
-67.5°	3.2	8.2	14.8	24.4	35.2	45.6	56.1	67.2	78.3	89.3	99.4
-70°	3.2	8.1	14.4	23.7	34.2	44.1	54.1	64.6	75.3	85.0	94.5
-72.5°	3.2	7.9	14.0	23.1	33.1	42.5	52.0	61.9	72.1	81.0	89.4
-75°	3.2	7.8	13.5	22.5	31.9	40.8	49.8	59.1	68.8	76.9	84.6
-77.5°	3.2	7.6	13.0	21.8	30.8	39.0	47.5	56.2	65.2	72.5	79.6
-80°	3.2	7.5	12.5	21.0	29.8	37.4	45.1	53.1	61.3	67.8	74.2
-82.5°	3.2	7.3	12.0	20.2	28.6	36.0	43.3	50.1	57.3	62.9	68.5
-85°	3.2	7.1	11.4	19.4	27.5	34.5	41.5	47.7	54.0	58.7	63.4
-87.5°	3.2	6.9	10.8	18.5	26.2	32.9	39.6	45.1	50.7	54.9	59.2
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	476.5	604.7	730.8	866.4	1017.2	1121.3	1205.5	1468.4	2095.1	2851.3	3158.9
-25°	462.5	588.7	715.2	857.6	1011.3	1137.4	1207.8	1293.4	1838.0	2516.1	3053.3
-27.5°	447.0	568.9	698.1	839.1	1002.2	1134.5	1206.8	1287.7	1564.1	2103.7	2885.3
-30°	429.1	546.7	674.3	812.1	969.9	1104.0	1203.9	1270.8	1355.3	1780.3	2446.9
-32.5°	409.2	521.6	646.1	781.5	928.3	1069.9	1187.3	1257.3	1331.4	1476.9	2014.3
-35°	389.7	497.3	615.0	746.3	885.9	1023.6	1143.7	1243.1	1305.3	1387.2	1632.4
-37.5°	371.6	470.1	580.8	707.9	842.9	966.1	1096.0	1203.8	1288.9	1348.2	1447.4
-40°	350.8	439.7	545.9	664.8	786.1	903.4	1027.0	1148.1	1252.7	1330.8	1390.0
-42.5°	327.3	412.3	508.3	614.0	726.1	837.6	954.5	1074.6	1189.4	1292.4	1365.7
-45°	301.8	381.7	468.1	564.0	663.5	769.8	881.1	994.8	1108.7	1222.3	1312.7
-47.5°	272.4	348.0	430.0	510.7	602.4	700.1	803.5	910.3	1015.7	1125.4	1229.5
-50°	241.7	311.7	386.5	461.0	540.6	628.9	723.5	823.3	923.3	1024.5	1124.9
-52.5°	213.9	272.0	341.0	411.2	481.5	557.0	642.7	733.7	828.0	923.5	1011.2
-55°	184.2	236.5	293.2	358.9	424.9	490.5	560.2	642.5	728.0	816.5	895.3
-57.5°	161.3	200.7	249.6	303.9	365.3	427.5	488.6	550.4	626.8	705.5	771.7
-60°	142.4	170.8	208.2	254.1	303.0	360.5	417.9	475.4	534.4	590.8	651.9
-62.5°	125.0	148.2	174.5	206.6	249.0	293.4	344.4	397.3	451.4	500.0	544.9
-65°	117.5	128.6	148.4	172.4	196.7	234.6	275.5	317.2	364.1	407.1	447.6
-67.5°	109.6	119.9	130.2	142.8	164.6	187.1	209.6	246.4	283.2	316.5	349.5
-70°	103.3	111.2	120.3	129.5	138.9	151.8	171.9	192.7	213.5	236.5	264.4
-72.5°	97.1	104.2	111.4	118.6	127.0	135.9	145.1	154.5	168.9	186.6	202.6
-75°	91.1	97.0	103.5	110.1	116.8	123.5	131.0	139.7	148.3	156.9	165.0
-77.5°	85.4	90.7	96.1	101.7	107.5	113.5	120.1	126.9	134.0	141.0	147.3
-80°	79.3	84.4	89.0	93.8	98.9	104.1	109.6	115.2	121.4	127.9	133.6
-82.5°	72.8	77.0	81.2	85.4	90.2	94.9	99.6	104.4	109.5	114.7	119.4
-85°	66.5	69.5	73.2	76.8	81.1	85.3	89.3	93.3	97.7	102.1	105.8
-87.5°	62.2	65.1	68.0	70.8	74.2	77.6	80.9	84.2	87.8	91.5	94.4
-90°	2.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.3	1.9	1.9



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3393.5	3664.9	3914.4	4030.5	4117.0	4122.7	4129.2	4325.8	5343.8	6979.0	9492.0
-25°	3352.1	3608.9	3899.2	4079.2	4139.1	4141.2	4108.5	4072.1	4187.5	4303.5	5221.7
-27.5°	3282.1	3560.6	3833.5	4053.0	4141.8	4138.7	4113.9	4089.5	4049.6	4023.4	4122.5
-30°	3196.4	3476.3	3730.3	3951.1	4082.6	4123.0	4106.1	4088.0	4075.6	4067.0	4049.2
-32.5°	2739.8	3372.7	3586.7	3787.0	3974.7	4057.0	4093.6	4085.1	4074.0	4069.2	4072.4
-35°	2237.9	2891.3	3447.0	3589.8	3752.7	3916.3	4031.8	4057.9	4069.5	4067.5	4072.5
-37.5°	1715.9	2304.6	2850.5	3306.9	3503.0	3673.2	3841.0	3952.1	4018.8	4030.4	4046.1
-40°	1478.9	1645.4	2162.5	2621.2	3002.8	3354.0	3531.7	3723.9	3873.8	3934.1	3965.8
-42.5°	1416.2	1482.3	1550.3	1886.7	2281.7	2616.6	2948.4	3278.2	3551.9	3706.7	3807.5
-45°	1389.0	1425.8	1465.0	1519.2	1567.7	1850.5	2155.1	2476.5	2836.2	3104.9	3355.2
-47.5°	1309.4	1383.7	1421.1	1444.1	1461.2	1498.5	1531.9	1622.4	1921.8	2157.3	2418.4
-50°	1204.3	1279.8	1340.9	1395.3	1414.0	1422.6	1432.6	1462.7	1510.5	1545.3	1597.9
-52.5°	1082.5	1153.3	1221.5	1279.8	1321.4	1357.3	1391.5	1415.2	1434.6	1454.7	1473.7
-55°	966.1	1026.4	1084.9	1139.6	1189.3	1230.6	1271.3	1310.0	1346.4	1380.5	1412.4
-57.5°	838.4	898.6	952.4	1001.6	1043.9	1078.3	1118.5	1161.2	1201.2	1236.7	1271.3
-60°	709.6	764.4	815.8	862.3	901.0	931.5	970.5	1008.8	1045.4	1078.4	1107.4
-62.5°	588.5	635.3	679.6	720.5	757.2	789.9	822.7	855.5	890.0	921.0	948.2
-65°	486.1	523.4	554.9	584.1	608.8	638.4	669.9	699.3	729.7	758.3	784.4
-67.5°	383.2	414.9	441.3	466.6	487.2	507.9	531.4	553.8	575.3	597.5	619.3
-70°	289.2	311.5	328.1	345.5	365.8	384.7	403.6	422.6	440.5	460.0	480.2
-72.5°	215.8	226.6	237.6	251.7	263.8	277.5	291.1	305.6	320.4	334.6	347.9
-75°	172.8	179.7	188.0	194.8	200.0	206.7	214.3	223.4	232.7	241.9	250.6
-77.5°	153.7	158.5	162.2	165.2	167.7	171.1	174.6	181.0	188.0	195.7	203.5
-80°	139.0	142.0	144.6	146.8	148.6	151.5	154.4	160.0	165.9	171.7	177.2
-82.5°	123.9	126.5	128.7	130.6	132.3	135.0	137.7	142.2	146.7	152.2	157.8
-85°	109.4	111.6	113.8	115.5	117.1	119.2	121.3	125.5	129.7	134.2	138.6
-87.5°	97.2	99.0	100.9	102.3	103.8	105.6	107.3	110.6	114.0	117.5	121.1
-90°	1.9	1.9	1.9	1.6	1.3	1.3	1.3	1.3	1.3	1.0	0.6



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12644.4	15042.3	16786.8	16707.1	16786.8	15042.3	12644.4	9492.0	6979.0	5343.8	4325.8
-25°	6209.0	7127.0	7738.1	7690.3	7738.1	7127.0	6209.0	5221.7	4303.5	4187.5	4072.1
-27.5°	4207.8	4308.8	4378.6	4385.8	4378.6	4308.8	4207.8	4122.5	4023.4	4049.6	4089.5
-30°	4042.3	4065.4	4089.8	4096.0	4089.8	4065.4	4042.3	4049.2	4067.0	4075.6	4088.0
-32.5°	4082.3	4100.3	4127.1	4143.9	4127.1	4100.3	4082.3	4072.4	4069.2	4074.0	4085.1
-35°	4085.2	4106.1	4137.0	4150.9	4137.0	4106.1	4085.2	4072.5	4067.5	4069.5	4057.9
-37.5°	4066.2	4091.8	4118.4	4130.5	4118.4	4091.8	4066.2	4046.1	4030.4	4018.8	3952.1
-40°	3994.0	4020.2	4039.5	4041.1	4039.5	4020.2	3994.0	3965.8	3934.1	3873.8	3723.9
-42.5°	3874.6	3907.0	3921.9	3919.2	3921.9	3907.0	3874.6	3807.5	3706.7	3551.9	3278.2
-45°	3592.6	3707.3	3763.7	3777.5	3763.7	3707.3	3592.6	3355.2	3104.9	2836.2	2476.5
-47.5°	2721.1	2889.4	2997.3	3040.3	2997.3	2889.4	2721.1	2418.4	2157.3	1921.8	1622.4
-50°	1666.7	1682.3	1692.6	1697.9	1692.6	1682.3	1666.7	1597.9	1545.3	1510.5	1462.7
-52.5°	1489.6	1494.1	1496.5	1496.8	1496.5	1494.1	1489.6	1473.7	1454.7	1434.6	1415.2
-55°	1435.4	1444.4	1450.1	1451.5	1450.1	1444.4	1435.4	1412.4	1380.5	1346.4	1310.0
-57.5°	1294.1	1299.2	1304.9	1308.5	1304.9	1299.2	1294.1	1271.3	1236.7	1201.2	1161.2
-60°	1124.8	1129.5	1130.4	1127.3	1130.4	1129.5	1124.8	1107.4	1078.4	1045.4	1008.8
-62.5°	963.1	967.5	971.8	973.4	971.8	967.5	963.1	948.2	921.0	890.0	855.5
-65°	796.6	798.8	799.8	797.9	799.8	798.8	796.6	784.4	758.3	729.7	699.3
-67.5°	629.5	633.7	639.9	644.1	639.9	633.7	629.5	619.3	597.5	575.3	553.8
-70°	484.9	483.0	487.1	490.2	487.1	483.0	484.9	480.2	460.0	440.5	422.6
-72.5°	349.6	347.5	346.1	343.4	346.1	347.5	349.6	347.9	334.6	320.4	305.6
-75°	250.0	247.5	247.1	246.4	247.1	247.5	250.0	250.6	241.9	232.7	223.4
-77.5°	203.6	202.6	201.3	199.8	201.3	202.6	203.6	203.5	195.7	188.0	181.0
-80°	177.7	177.8	177.1	176.2	177.1	177.8	177.7	177.2	171.7	165.9	160.0
-82.5°	158.1	158.1	157.6	157.0	157.6	158.1	158.1	157.8	152.2	146.7	142.2
-85°	138.9	139.1	138.5	137.9	138.5	139.1	138.9	138.6	134.2	129.7	125.5
-87.5°	121.5	121.9	121.6	121.3	121.6	121.9	121.5	121.1	117.5	114.0	110.6
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.3	1.3



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4129.2	4122.7	4117.0	4030.5	3914.4	3664.9	3393.5	3158.9	2851.3	2095.1	1468.4
-25°	4108.5	4141.2	4139.1	4079.2	3899.2	3608.9	3352.1	3053.3	2516.1	1838.0	1293.4
-27.5°	4113.9	4138.7	4141.8	4053.0	3833.5	3560.6	3282.1	2885.3	2103.7	1564.1	1287.7
-30°	4106.1	4123.0	4082.6	3951.1	3730.3	3476.3	3196.4	2446.9	1780.3	1355.3	1270.8
-32.5°	4093.6	4057.0	3974.7	3787.0	3586.7	3372.7	2739.8	2014.3	1476.9	1331.4	1257.3
-35°	4031.8	3916.3	3752.7	3589.8	3447.0	2891.3	2237.9	1632.4	1387.2	1305.3	1243.1
-37.5°	3841.0	3673.2	3503.0	3306.9	2850.5	2304.6	1715.9	1447.4	1348.2	1288.9	1203.8
-40°	3531.7	3354.0	3002.8	2621.2	2162.5	1645.4	1478.9	1390.0	1330.8	1252.7	1148.1
-42.5°	2948.4	2616.6	2281.7	1886.7	1550.3	1482.3	1416.2	1365.7	1292.4	1189.4	1074.6
-45°	2155.1	1850.5	1567.7	1519.2	1465.0	1425.8	1389.0	1312.7	1222.3	1108.7	994.8
-47.5°	1531.9	1498.5	1461.2	1444.1	1421.1	1383.7	1309.4	1229.5	1125.4	1015.7	910.3
-50°	1432.6	1422.6	1414.0	1395.3	1340.9	1279.8	1204.3	1124.9	1024.5	923.3	823.3
-52.5°	1391.5	1357.3	1321.4	1279.8	1221.5	1153.3	1082.5	1011.2	923.5	828.0	733.7
-55°	1271.3	1230.6	1189.3	1139.6	1084.9	1026.4	966.1	895.3	816.5	728.0	642.5
-57.5°	1118.5	1078.3	1043.9	1001.6	952.4	898.6	838.4	771.7	705.5	626.8	550.4
-60°	970.5	931.5	901.0	862.3	815.8	764.4	709.6	651.9	590.8	534.4	475.4
-62.5°	822.7	789.9	757.2	720.5	679.6	635.3	588.5	544.9	500.0	451.4	397.3
-65°	669.9	638.4	608.8	584.1	554.9	523.4	486.1	447.6	407.1	364.1	317.2
-67.5°	531.4	507.9	487.2	466.6	441.3	414.9	383.2	349.5	316.5	283.2	246.4
-70°	403.6	384.7	365.8	345.5	328.1	311.5	289.2	264.4	236.5	213.5	192.7
-72.5°	291.1	277.5	263.8	251.7	237.6	226.6	215.8	202.6	186.6	168.9	154.5
-75°	214.3	206.7	200.0	194.8	188.0	179.7	172.8	165.0	156.9	148.3	139.7
-77.5°	174.6	171.1	167.7	165.2	162.2	158.5	153.7	147.3	141.0	134.0	126.9
-80°	154.4	151.5	148.6	146.8	144.6	142.0	139.0	133.6	127.9	121.4	115.2
-82.5°	137.7	135.0	132.3	130.6	128.7	126.5	123.9	119.4	114.7	109.5	104.4
-85°	121.3	119.2	117.1	115.5	113.8	111.6	109.4	105.8	102.1	97.7	93.3
-87.5°	107.3	105.6	103.8	102.3	100.9	99.0	97.2	94.4	91.5	87.8	84.2
-90°	1.3	1.3	1.3	1.6	1.9	1.9	1.9	1.9	1.9	2.3	2.6



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	74.7	71.5	68.6	65.7	63.2	60.6	57.8	54.9	51.1	47.2	42.5
87.5°	2.6	2.6	2.8	2.9	2.9	2.9	3.0	3.2	3.2	3.2	3.3
85°	2.7	2.8	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4
82.5°	2.9	3.2	3.2	3.2	3.4	3.5	3.4	3.4	3.3	3.2	3.5
80°	3.1	3.2	3.3	3.4	3.6	3.8	3.7	3.6	3.7	3.7	3.7
77.5°	3.4	3.4	3.6	3.7	3.7	3.8	3.9	3.9	4.1	4.1	4.0
75°	3.8	3.7	3.7	3.9	3.9	3.9	4.1	4.3	4.4	4.5	4.3
72.5°	3.8	3.9	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.8	4.6
70°	5.0	4.3	4.3	4.4	4.5	4.6	4.7	4.9	5.0	5.0	4.9
67.5°	7.1	5.9	5.2	4.9	4.9	5.1	5.1	5.3	5.4	5.3	5.2
65°	13.8	9.6	6.4	6.0	5.6	5.6	5.7	5.9	5.9	5.9	5.5
62.5°	20.2	14.9	10.9	8.0	6.9	7.1	6.4	6.9	6.6	6.7	6.2
60°	26.4	20.5	16.0	12.7	10.2	9.2	8.8	8.0	7.9	7.5	7.1
57.5°	25.9	25.1	22.6	18.2	15.6	13.2	11.9	10.7	9.5	9.1	8.1
55°	25.5	25.6	28.3	25.5	22.4	18.8	16.5	14.3	11.8	10.9	9.3
52.5°	29.8	30.4	32.7	34.2	31.8	26.2	23.7	18.3	16.3	12.9	11.3
50°	37.0	40.3	40.7	44.3	42.4	38.6	31.8	26.2	21.1	15.9	13.4
47.5°	56.0	59.1	56.0	58.9	56.1	53.1	44.7	35.6	26.4	20.8	15.7
45°	107.4	89.7	86.8	81.8	75.4	71.7	60.5	45.9	35.8	26.2	18.0
42.5°	179.1	154.0	139.6	109.5	106.3	93.6	79.0	62.4	46.0	32.0	22.0
40°	279.9	242.4	208.7	174.5	144.8	118.2	102.6	81.2	56.8	39.4	27.3
37.5°	377.6	333.1	294.4	243.6	193.9	158.6	128.6	101.3	70.9	50.0	32.7
35°	458.9	417.4	365.5	311.0	258.8	199.6	156.5	123.8	89.6	61.1	38.4
32.5°	525.7	483.7	424.2	369.1	310.5	240.6	190.4	147.7	108.7	72.6	44.2
30°	575.6	535.5	479.0	414.7	352.5	283.3	224.4	170.4	127.9	84.6	50.9
27.5°	627.3	588.8	532.1	461.0	388.7	320.0	252.3	191.9	147.3	97.0	59.8
25°	678.9	639.4	586.9	512.2	425.0	348.9	277.7	212.4	165.7	109.9	68.1
22.5°	724.0	686.1	641.5	566.3	466.1	376.8	301.4	234.5	178.2	121.8	76.0
20°	765.6	725.8	692.7	612.1	510.7	410.3	324.7	251.8	189.7	132.7	83.4
17.5°	824.9	761.1	719.4	647.4	552.7	444.7	348.7	268.1	200.4	142.5	90.2
15°	960.6	795.7	745.7	678.4	587.0	477.2	372.8	283.8	210.0	151.3	96.2
12.5°	1084.7	828.5	773.2	705.0	612.7	505.6	396.4	298.6	218.6	159.6	101.3
10°	1210.1	860.4	800.2	730.7	634.7	530.1	419.2	313.9	229.3	167.5	105.9
7.5°	1347.6	891.6	825.4	755.3	653.7	550.1	439.0	331.3	239.7	174.6	109.9
5°	1472.5	920.4	851.5	782.7	673.0	565.9	455.9	347.3	249.2	180.8	113.2
2.5°	1559.9	944.8	877.3	808.5	689.7	578.7	470.2	361.6	257.6	186.0	116.0
0°	1625.1	966.4	900.7	831.1	703.4	588.5	481.9	374.0	264.9	190.2	118.1
-2.5°	1622.4	984.5	919.9	852.9	728.9	602.9	489.5	380.5	272.5	196.0	122.4
-5°	1594.7	1000.5	937.3	871.3	750.3	614.2	494.6	384.9	278.7	200.6	126.0
-7.5°	1560.4	1018.3	953.7	886.1	766.7	621.7	497.2	387.2	283.5	203.9	128.8
-10°	1503.9	1035.9	968.9	893.3	770.1	626.2	498.0	387.6	286.6	205.9	130.7
-12.5°	1434.0	1051.9	981.9	896.2	768.3	628.3	501.3	387.2	287.9	206.6	131.7
-15°	1341.2	1073.4	997.7	895.4	763.2	627.5	501.0	384.5	285.6	205.0	131.7
-17.5°	1210.2	1089.6	1012.8	892.3	755.4	623.9	496.8	378.8	281.6	201.2	130.3
-20°	1194.6	1104.4	1021.2	882.6	744.3	616.1	488.4	369.9	275.9	196.2	127.8



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1205.5	1121.3	1017.2	866.4	730.8	604.7	476.5	358.2	268.4	189.8	124.5
-25°	1207.8	1137.4	1011.3	857.6	715.2	588.7	462.5	346.6	259.2	182.2	120.4
-27.5°	1206.8	1134.5	1002.2	839.1	698.1	568.9	447.0	338.5	251.6	173.4	115.4
-30°	1203.9	1104.0	969.9	812.1	674.3	546.7	429.1	328.3	243.1	166.3	109.5
-32.5°	1187.3	1069.9	928.3	781.5	646.1	521.6	409.2	315.9	232.8	160.3	105.8
-35°	1143.7	1023.6	885.9	746.3	615.0	497.3	389.7	301.3	220.6	152.9	102.7
-37.5°	1096.0	966.1	842.9	707.9	580.8	470.1	371.6	285.5	206.5	144.0	99.1
-40°	1027.0	903.4	786.1	664.8	545.9	439.7	350.8	267.7	193.8	133.6	94.7
-42.5°	954.5	837.6	726.1	614.0	508.3	412.3	327.3	247.6	180.2	125.7	89.4
-45°	881.1	769.8	663.5	564.0	468.1	381.7	301.8	225.9	164.8	118.6	85.3
-47.5°	803.5	700.1	602.4	510.7	430.0	348.0	272.4	206.4	147.8	110.5	83.7
-50°	723.5	628.9	540.6	461.0	386.5	311.7	241.7	184.9	137.2	101.3	81.8
-52.5°	642.7	557.0	481.5	411.2	341.0	272.0	213.9	161.9	125.6	96.5	79.6
-55°	560.2	490.5	424.9	358.9	293.2	236.5	184.2	146.5	113.0	93.5	77.2
-57.5°	488.6	427.5	365.3	303.9	249.6	200.7	161.3	130.3	106.9	90.1	75.6
-60°	417.9	360.5	303.0	254.1	208.2	170.8	142.4	117.1	102.4	86.7	73.8
-62.5°	344.4	293.4	249.0	206.6	174.5	148.2	125.0	111.0	97.4	84.1	71.8
-65°	275.5	234.6	196.7	172.4	148.4	128.6	117.5	104.6	93.3	81.3	69.5
-67.5°	209.6	187.1	164.6	142.8	130.2	119.9	109.6	99.4	89.3	78.3	67.2
-70°	171.9	151.8	138.9	129.5	120.3	111.2	103.3	94.5	85.0	75.3	64.6
-72.5°	145.1	135.9	127.0	118.6	111.4	104.2	97.1	89.4	81.0	72.1	61.9
-75°	131.0	123.5	116.8	110.1	103.5	97.0	91.1	84.6	76.9	68.8	59.1
-77.5°	120.1	113.5	107.5	101.7	96.1	90.7	85.4	79.6	72.5	65.2	56.2
-80°	109.6	104.1	98.9	93.8	89.0	84.4	79.3	74.2	67.8	61.3	53.1
-82.5°	99.6	94.9	90.2	85.4	81.2	77.0	72.8	68.5	62.9	57.3	50.1
-85°	89.3	85.3	81.1	76.8	73.2	69.5	66.5	63.4	58.7	54.0	47.7
-87.5°	80.9	77.6	74.2	70.8	68.0	65.1	62.2	59.2	54.9	50.7	45.1
-90°	2.6	2.6	2.6	2.6	2.6	2.6	2.9	3.2	3.2	3.2	3.2



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	37.7	31.3	24.9	17.5	10.2	6.7	3.2
87.5°	3.4	3.3	3.3	3.3	3.3	3.3	3.2
85°	3.5	3.5	3.4	3.4	3.4	3.4	3.2
82.5°	3.7	3.6	3.5	3.6	3.5	3.4	3.2
80°	3.8	3.7	3.6	3.7	3.7	3.5	3.2
77.5°	4.0	3.9	3.7	3.8	3.8	3.6	3.2
75°	4.2	4.1	3.9	4.0	3.9	3.7	3.2
72.5°	4.4	4.3	4.1	4.1	4.0	3.8	3.2
70°	4.6	4.6	4.3	4.2	4.1	3.9	3.2
67.5°	5.0	4.8	4.6	4.4	4.3	3.9	3.2
65°	5.4	5.1	4.8	4.6	4.4	4.0	3.2
62.5°	5.8	5.5	5.0	4.7	4.5	4.1	3.2
60°	6.2	5.9	5.2	4.9	4.7	4.2	3.2
57.5°	7.2	6.2	5.7	5.1	4.8	4.3	3.2
55°	8.4	6.6	6.1	5.2	5.0	4.4	3.2
52.5°	9.7	7.2	6.6	5.4	5.2	4.4	3.2
50°	11.0	8.6	7.1	5.5	5.4	4.5	3.2
47.5°	12.6	10.0	7.7	5.7	5.7	4.6	3.2
45°	14.6	11.4	8.2	6.2	5.9	4.7	3.2
42.5°	16.7	12.9	8.8	6.6	6.2	4.7	3.2
40°	18.9	14.4	9.8	7.3	6.4	4.8	3.2
37.5°	21.3	16.0	11.0	8.0	6.7	4.9	3.2
35°	23.7	17.8	12.2	8.8	7.0	5.0	3.2
32.5°	26.9	19.8	13.4	9.6	7.3	5.0	3.2
30°	31.6	21.7	14.6	10.5	7.7	5.1	3.2
27.5°	36.3	23.7	16.1	11.3	8.0	5.2	3.2
25°	40.9	25.6	17.7	12.2	8.3	5.2	3.2
22.5°	45.4	27.5	19.2	13.1	8.7	5.3	3.2
20°	49.8	29.6	20.6	13.9	9.0	5.4	3.2
17.5°	53.8	31.6	22.0	14.8	9.3	5.4	3.2
15°	57.4	33.5	23.3	15.7	9.7	5.5	3.2
12.5°	60.7	35.3	24.6	16.5	10.0	5.5	3.2
10°	63.6	37.0	25.8	17.4	10.3	5.6	3.2
7.5°	66.2	38.6	27.0	18.2	10.7	5.6	3.2
5°	68.5	40.1	28.1	19.0	11.0	5.6	3.2
2.5°	70.5	41.5	29.1	19.7	11.2	5.7	3.2
0°	72.1	42.8	30.0	20.4	11.5	5.7	3.2
-2.5°	74.4	44.6	31.3	21.3	12.1	5.9	3.2
-5°	76.4	46.2	32.5	22.2	12.7	6.2	3.2
-7.5°	77.9	47.7	33.7	22.9	13.2	6.4	3.2
-10°	79.1	49.1	34.8	23.7	13.7	6.7	3.2
-12.5°	79.9	50.3	35.7	24.4	14.2	6.9	3.2
-15°	80.3	51.3	36.6	25.0	14.7	7.1	3.2
-17.5°	80.3	52.2	37.4	25.5	15.1	7.3	3.2
-20°	80.0	52.9	38.0	26.0	15.5	7.5	3.2



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	79.4	53.5	38.6	26.5	15.8	7.6	3.2
-25°	78.3	53.9	39.0	26.8	16.1	7.8	3.2
-27.5°	76.8	54.3	39.4	27.2	16.4	8.0	3.2
-30°	74.7	54.5	39.6	27.4	16.6	8.1	3.2
-32.5°	72.2	54.5	39.9	27.6	16.8	8.2	3.2
-35°	71.2	54.3	40.1	27.7	16.9	8.3	3.2
-37.5°	70.8	54.1	40.2	27.7	17.0	8.4	3.2
-40°	70.2	54.1	40.2	27.7	17.0	8.5	3.2
-42.5°	69.3	53.9	40.1	27.7	17.0	8.5	3.2
-45°	68.3	53.6	40.1	27.6	17.0	8.6	3.2
-47.5°	66.9	53.2	39.9	27.5	16.9	8.6	3.2
-50°	66.0	52.6	39.7	27.4	16.7	8.6	3.2
-52.5°	65.1	51.9	39.3	27.2	16.5	8.6	3.2
-55°	64.0	51.2	38.9	26.9	16.3	8.6	3.2
-57.5°	62.7	50.4	38.3	26.6	16.0	8.5	3.2
-60°	61.2	49.4	37.7	26.1	15.7	8.5	3.2
-62.5°	59.7	48.2	36.9	25.6	15.4	8.4	3.2
-65°	58.0	46.9	36.1	25.1	15.1	8.3	3.2
-67.5°	56.1	45.6	35.2	24.4	14.8	8.2	3.2
-70°	54.1	44.1	34.2	23.7	14.4	8.1	3.2
-72.5°	52.0	42.5	33.1	23.1	14.0	7.9	3.2
-75°	49.8	40.8	31.9	22.5	13.5	7.8	3.2
-77.5°	47.5	39.0	30.8	21.8	13.0	7.6	3.2
-80°	45.1	37.4	29.8	21.0	12.5	7.5	3.2
-82.5°	43.3	36.0	28.6	20.2	12.0	7.3	3.2
-85°	41.5	34.5	27.5	19.4	11.4	7.1	3.2
-87.5°	39.6	32.9	26.2	18.5	10.8	6.9	3.2
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2

(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

