

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: EPHESUS

Report Number: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: EPH-LS16-1200L-40-70-1S

Issue Date: 8/3/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-700-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/3/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS16-1200L-40-70-1S  
Description: EPHESUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

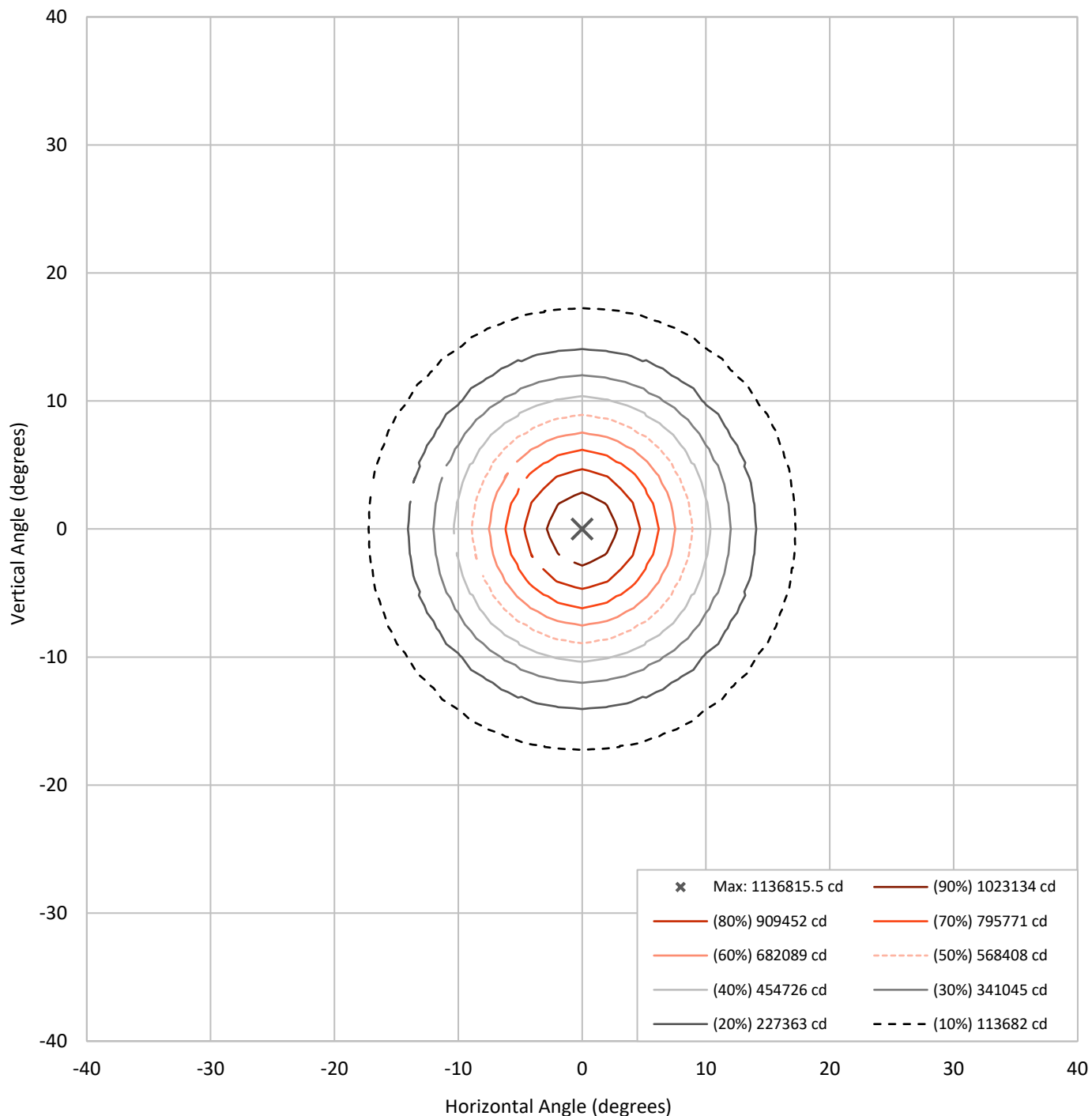
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	151888.1 lumens	Max Intensity:	1136815.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	17.8°H x 17.8°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	51182.2 lumens	Field Lumens:	116108.8 lumens
Beam Efficiency:	33.7%	Field Efficiency:	76.4%

Input Watts (W): 1303  
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-LS16-1200L-40-70-1S

### Iso-Candela Plot



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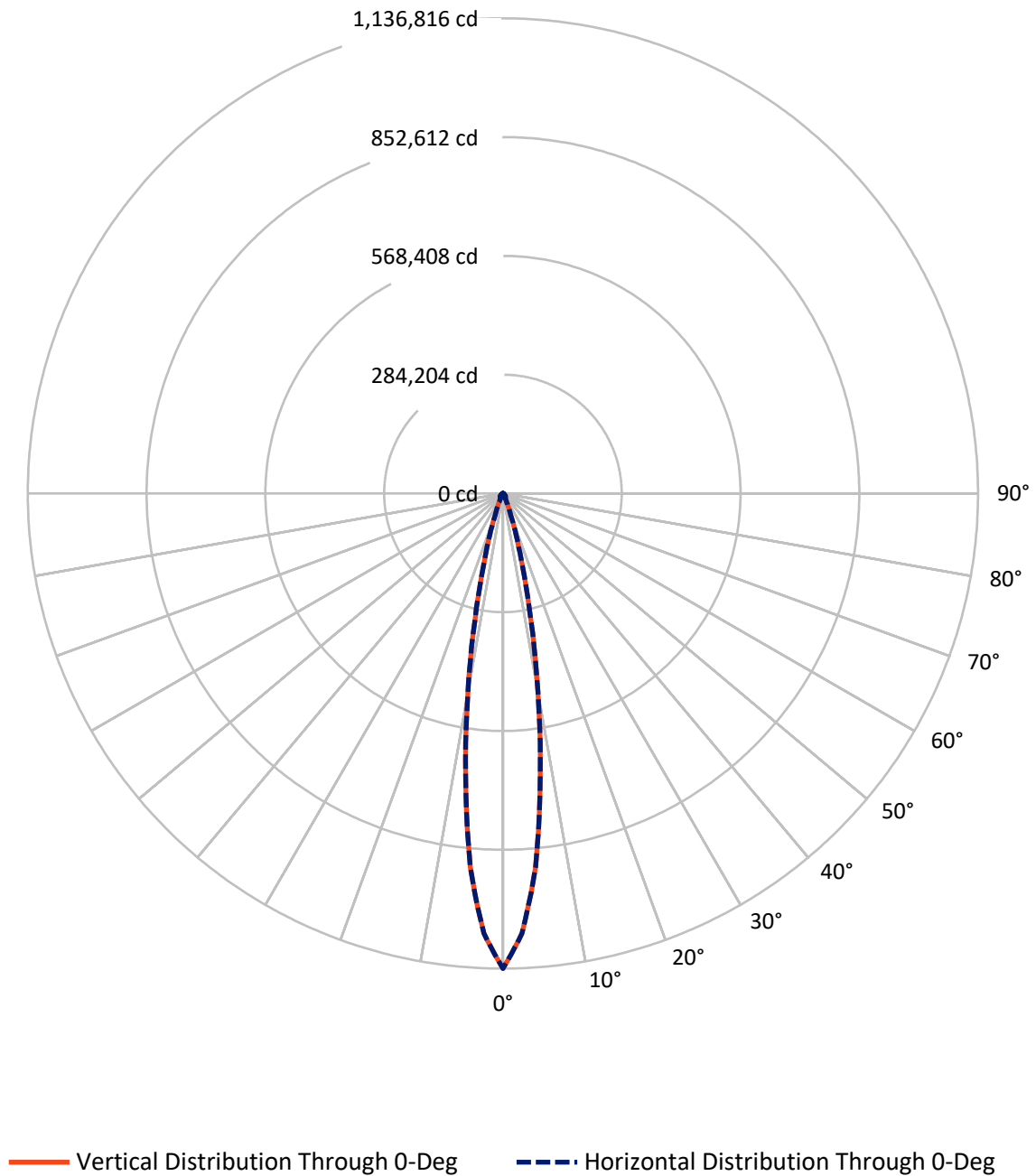
## Lumen Table

90	0.2		1.7		5.9		14.3		18.7		14.3		5.9		1.7		0.2	
80																		
70	0.8	0.9	3.5	10.0	19.8	30.4	39.3	44.3	44.3	39.3	30.4	19.8	10.0	3.5	0.9	0.8		
60		2.6	11.6	28.2	49.2	69.0	83.3	91.0	91.0	83.3	69.0	49.2	28.2	11.6	2.6			
50	1.9	6.2	23.0	49.6	77.7	129.6	199.4	238.4	238.4	199.4	129.6	77.7	49.6	23.0	6.2	1.9		
40		10.5	34.8	67.2	153.5	261.5	300.7	314.8	314.8	300.7	261.5	153.5	67.2	34.8	10.5			
30	4.1	14.6	44.1	102.2	236.6	288.0	372.2	610.3	610.3	372.2	288.0	236.6	102.2	44.1	14.6	4.1		
20		17.8	49.9	147.9	255.2	350.0	5210.3	5210.3	5210.3	5210.3	350.0	255.2	147.9	49.9	17.8			
10	5.2	19.4	52.8	171.1	258.9	560.5	5082.2	20162.0	20162.0	5082.2	560.5	258.9	171.1	52.8	19.4	5.2		
0		19.4	52.8	171.1	258.9	560.5	5082.2	20162.0	20162.0	5082.2	560.5	258.9	171.1	52.8	19.4			
-10	4.1	17.8	49.9	147.9	255.2	350.0	5210.3	5210.3	5210.3	5210.3	350.0	255.2	147.9	49.9	17.8	4.1		
-20		14.6	44.1	102.2	236.6	288.0	372.2	610.3	610.3	372.2	288.0	236.6	102.2	44.1	14.6			
-30	1.9	10.5	34.8	67.2	153.5	261.5	300.7	314.8	314.8	300.7	261.5	153.5	67.2	34.8	10.5	1.9		
-40		6.2	23.0	49.6	77.7	129.6	199.4	238.4	238.4	199.4	129.6	77.7	49.6	23.0	6.2			
-50	0.8	2.6	11.6	28.2	49.2	69.0	83.3	91.0	91.0	83.3	69.0	49.2	28.2	11.6	2.6	0.8		
-60		0.9	3.5	10.0	19.8	30.4	39.3	44.3	44.3	39.3	30.4	19.8	10.0	3.5	0.9			
-70	0.2		1.7		5.9		14.3		18.7		14.3		5.9		1.7		0.2	
-80																		
-90																		

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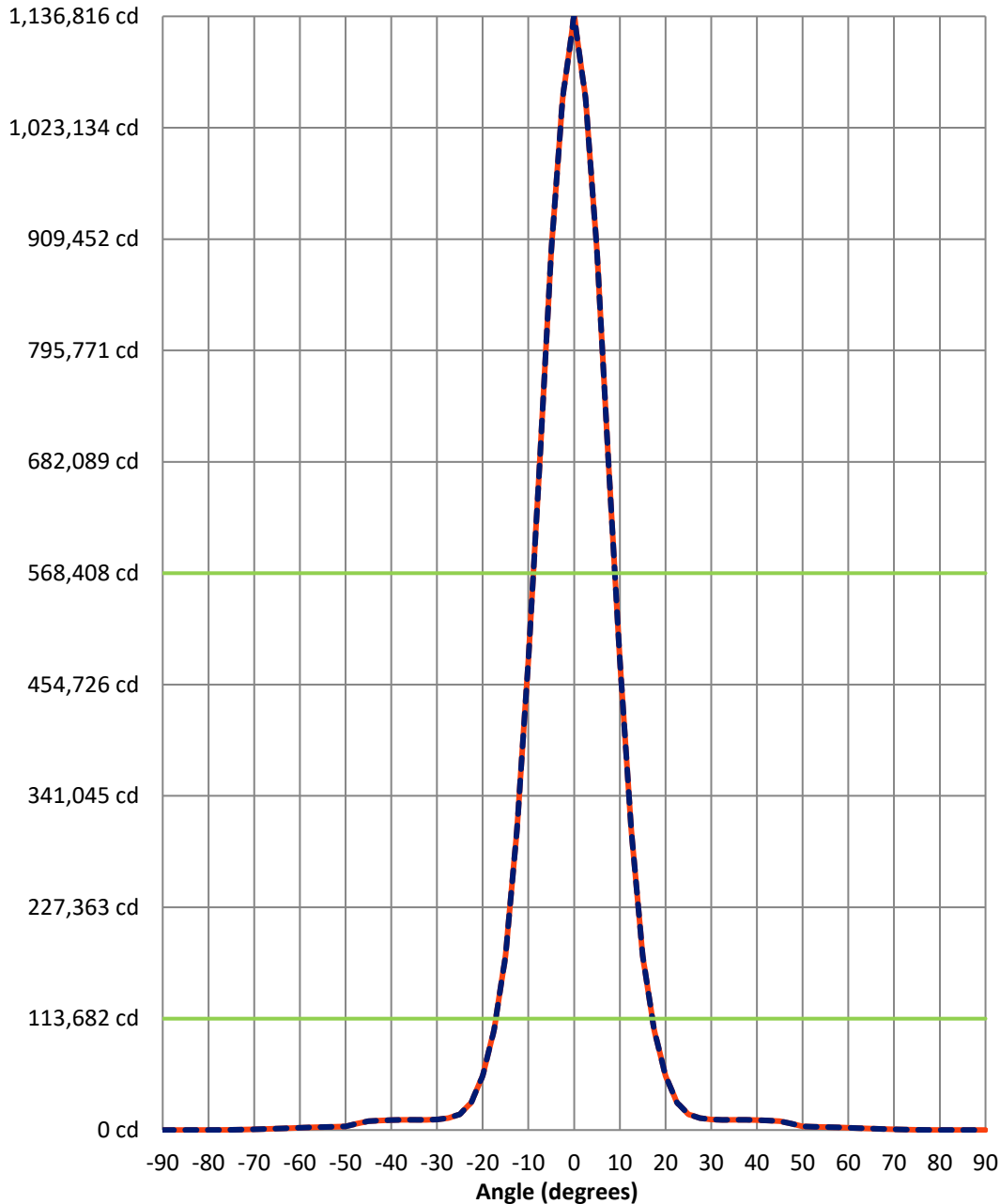
CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

## Luminous Intensity Polar Plot



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## Luminous Intensity Plot



**Beam:**

H Angle: 17.8°  
V Angle: 17.8°  
Lumens: 51182.2  
Efficiency: 33.7%

**Field:**

H Angle: 34.3°  
V Angle: 34.3°  
Lumens: 116108.8  
Efficiency: 76.4%

**Spill:**

Lumens: 35779.3  
Efficiency: 23.6%

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

Classified

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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.1	3.6	4.0	4.4
85°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.2	7.1	8.0	8.8
82.5°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.4	10.9	13.4	15.9
80°	0.0	1.8	3.6	5.4	7.2	9.0	11.0	14.5	17.9	21.3	24.6
77.5°	0.0	2.3	4.5	6.7	9.0	11.9	16.3	20.6	24.9	29.1	32.2
75°	0.0	2.7	5.4	8.1	11.0	16.3	21.6	26.7	31.5	34.0	36.5
72.5°	0.0	3.1	6.2	9.4	14.5	20.6	26.7	32.0	34.9	37.8	40.7
70°	0.0	3.6	7.1	10.9	17.9	24.9	31.5	34.9	38.3	41.6	44.9
67.5°	0.0	4.0	8.0	13.4	21.3	29.1	34.0	37.8	41.6	45.3	49.0
65°	0.0	4.4	8.8	15.9	24.6	32.2	36.5	40.7	44.9	49.0	56.7
62.5°	0.0	4.8	9.6	18.3	27.9	34.2	38.9	43.5	48.1	54.9	72.8
60°	0.0	5.2	10.4	20.7	31.0	36.2	41.2	46.3	51.3	69.1	88.5
57.5°	0.0	5.6	11.9	23.1	32.7	38.1	43.6	49.0	61.7	82.9	124.6
55°	0.0	6.0	13.4	25.3	34.2	40.0	45.8	51.6	73.8	102.4	169.7
52.5°	0.0	6.3	14.9	27.5	35.6	41.8	48.0	61.0	85.5	141.9	213.5
50°	0.0	6.7	16.3	29.6	37.0	43.6	50.1	71.0	103.5	180.2	287.8
47.5°	0.0	7.0	17.7	31.4	38.4	45.3	53.1	80.5	136.4	217.3	363.3
45°	0.0	7.4	19.0	32.4	39.7	46.9	61.0	89.8	168.0	282.0	436.2
42.5°	0.0	7.7	20.3	33.4	40.9	48.5	68.6	108.9	198.4	344.9	520.0
40°	0.0	8.0	21.5	34.2	42.1	50.0	75.8	134.3	235.4	405.1	602.3
37.5°	0.0	8.2	22.6	35.1	43.2	51.4	82.7	158.4	286.1	466.0	680.9
35°	0.0	8.5	23.7	35.9	44.3	55.4	89.2	181.2	334.1	532.7	761.8
32.5°	0.0	8.8	24.7	36.6	45.3	60.5	98.9	202.7	379.4	595.6	847.7
30°	0.0	9.0	25.6	37.3	46.3	65.3	116.1	226.8	421.8	654.5	928.3
27.5°	0.0	9.2	26.5	38.0	47.2	69.7	132.0	261.0	464.5	709.3	1003.3
25°	0.0	9.4	27.3	38.6	48.0	73.7	146.6	292.6	509.1	767.1	1072.9
22.5°	0.0	9.6	28.0	39.1	48.7	77.4	160.0	321.3	549.7	823.5	1145.8
20°	0.0	9.8	28.7	39.6	49.4	80.8	172.1	347.3	586.4	874.4	1211.5
17.5°	0.0	9.9	29.3	40.1	50.0	83.7	182.7	370.3	619.0	919.6	1270.0
15°	0.0	10.0	29.8	40.4	50.5	86.3	192.1	390.4	647.4	959.1	1321.1
12.5°	0.0	10.2	30.2	40.8	50.9	88.5	200.0	407.4	671.5	992.6	1364.6
10°	0.0	10.2	30.6	41.0	51.3	90.3	206.5	421.4	691.4	1020.2	1400.3
7.5°	0.0	10.3	30.8	41.2	51.5	91.7	211.6	432.4	706.9	1041.8	1428.2
5°	0.0	10.4	31.0	41.4	51.7	92.7	215.2	440.2	718.0	1057.2	1448.3
2.5°	0.0	10.4	31.2	41.5	51.9	93.3	217.4	444.9	724.7	1066.5	1460.3
0°	0.0	10.4	31.2	41.5	51.9	93.3	217.4	444.9	724.7	1066.5	1460.3
-2.5°	0.0	10.4	31.2	41.5	51.9	93.3	217.4	444.9	724.7	1066.5	1460.3
-5°	0.0	10.4	31.0	41.4	51.7	92.7	215.2	440.2	718.0	1057.2	1448.3
-7.5°	0.0	10.3	30.8	41.2	51.5	91.7	211.6	432.4	706.9	1041.8	1428.2
-10°	0.0	10.2	30.6	41.0	51.3	90.3	206.5	421.4	691.4	1020.2	1400.3
-12.5°	0.0	10.2	30.2	40.8	50.9	88.5	200.0	407.4	671.5	992.6	1364.6
-15°	0.0	10.0	29.8	40.4	50.5	86.3	192.1	390.4	647.4	959.1	1321.1
-17.5°	0.0	9.9	29.3	40.1	50.0	83.7	182.7	370.3	619.0	919.6	1270.0
-20°	0.0	9.8	28.7	39.6	49.4	80.8	172.1	347.3	586.4	874.4	1211.5

Classified

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.6	28.0	39.1	48.7	77.4	160.0	321.3	549.7	823.5	1145.8
-25°	0.0	9.4	27.3	38.6	48.0	73.7	146.6	292.6	509.1	767.1	1072.9
-27.5°	0.0	9.2	26.5	38.0	47.2	69.7	132.0	261.0	464.5	709.3	1003.3
-30°	0.0	9.0	25.6	37.3	46.3	65.3	116.1	226.8	421.8	654.5	928.3
-32.5°	0.0	8.8	24.7	36.6	45.3	60.5	98.9	202.7	379.4	595.6	847.7
-35°	0.0	8.5	23.7	35.9	44.3	55.4	89.2	181.2	334.1	532.7	761.8
-37.5°	0.0	8.2	22.6	35.1	43.2	51.4	82.7	158.4	286.1	466.0	680.9
-40°	0.0	8.0	21.5	34.2	42.1	50.0	75.8	134.3	235.4	405.1	602.3
-42.5°	0.0	7.7	20.3	33.4	40.9	48.5	68.6	108.9	198.4	344.9	520.0
-45°	0.0	7.4	19.0	32.4	39.7	46.9	61.0	89.8	168.0	282.0	436.2
-47.5°	0.0	7.0	17.7	31.4	38.4	45.3	53.1	80.5	136.4	217.3	363.3
-50°	0.0	6.7	16.3	29.6	37.0	43.6	50.1	71.0	103.5	180.2	287.8
-52.5°	0.0	6.3	14.9	27.5	35.6	41.8	48.0	61.0	85.5	141.9	213.5
-55°	0.0	6.0	13.4	25.3	34.2	40.0	45.8	51.6	73.8	102.4	169.7
-57.5°	0.0	5.6	11.9	23.1	32.7	38.1	43.6	49.0	61.7	82.9	124.6
-60°	0.0	5.2	10.4	20.7	31.0	36.2	41.2	46.3	51.3	69.1	88.5
-62.5°	0.0	4.8	9.6	18.3	27.9	34.2	38.9	43.5	48.1	54.9	72.8
-65°	0.0	4.4	8.8	15.9	24.6	32.2	36.5	40.7	44.9	49.0	56.7
-67.5°	0.0	4.0	8.0	13.4	21.3	29.1	34.0	37.8	41.6	45.3	49.0
-70°	0.0	3.6	7.1	10.9	17.9	24.9	31.5	34.9	38.3	41.6	44.9
-72.5°	0.0	3.1	6.2	9.4	14.5	20.6	26.7	32.0	34.9	37.8	40.7
-75°	0.0	2.7	5.4	8.1	11.0	16.3	21.6	26.7	31.5	34.0	36.5
-77.5°	0.0	2.3	4.5	6.7	9.0	11.9	16.3	20.6	24.9	29.1	32.2
-80°	0.0	1.8	3.6	5.4	7.2	9.0	11.0	14.5	17.9	21.3	24.6
-82.5°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.4	10.9	13.4	15.9
-85°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.2	7.1	8.0	8.8
-87.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.1	3.6	4.0	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	5.2	5.6	6.0	6.3	6.7	7.0	7.4	7.7	8.0	8.2
85°	9.6	10.4	11.9	13.4	14.9	16.3	17.7	19.0	20.3	21.5	22.6
82.5°	18.3	20.7	23.1	25.3	27.5	29.6	31.4	32.4	33.4	34.2	35.1
80°	27.9	31.0	32.7	34.2	35.6	37.0	38.4	39.7	40.9	42.1	43.2
77.5°	34.2	36.2	38.1	40.0	41.8	43.6	45.3	46.9	48.5	50.0	51.4
75°	38.9	41.2	43.6	45.8	48.0	50.1	53.1	61.0	68.6	75.8	82.7
72.5°	43.5	46.3	49.0	51.6	61.0	71.0	80.5	89.8	108.9	134.3	158.4
70°	48.1	51.3	61.7	73.8	85.5	103.5	136.4	168.0	198.4	235.4	286.1
67.5°	54.9	69.1	82.9	102.4	141.9	180.2	217.3	282.0	344.9	405.1	466.0
65°	72.8	88.5	124.6	169.7	213.5	287.8	363.3	436.2	520.0	602.3	680.9
62.5°	90.3	135.8	186.4	250.8	339.2	425.1	522.4	621.1	716.1	824.9	931.1
60°	135.8	192.1	271.4	370.3	471.3	586.4	698.0	823.5	950.6	1072.9	1207.0
57.5°	186.4	271.4	380.7	496.9	625.1	754.9	902.9	1046.2	1201.7	1354.6	1502.7
55°	250.8	370.3	496.9	638.0	786.8	951.0	1116.8	1295.0	1467.1	1641.2	1807.9
52.5°	339.2	471.3	625.1	786.8	967.1	1154.2	1351.4	1546.8	1741.5	1931.5	2120.3
50°	425.1	586.4	754.9	951.0	1154.2	1370.3	1587.0	1802.3	2017.3	2228.4	2431.1
47.5°	522.4	698.0	902.9	1116.8	1351.4	1587.0	1822.6	2060.5	2293.9	2519.4	2736.4
45°	621.1	823.5	1046.2	1295.0	1546.8	1802.3	2060.5	2315.8	2563.9	2786.6	2940.9
42.5°	716.1	950.6	1201.7	1467.1	1741.5	2017.3	2293.9	2563.9	2801.7	2971.6	3128.9
40°	824.9	1072.9	1354.6	1641.2	1931.5	2228.4	2519.4	2786.6	2971.6	3143.5	3304.9
37.5°	931.1	1207.0	1502.7	1807.9	2120.3	2431.1	2736.4	2940.9	3128.9	3304.9	3556.9
35°	1031.9	1334.6	1649.1	1971.2	2300.4	2625.0	2880.1	3085.6	3275.3	3534.2	4321.5
32.5°	1135.8	1455.1	1787.7	2129.2	2471.5	2790.2	3012.0	3216.7	3466.5	3997.2	5983.8
30°	1238.7	1573.8	1919.9	2278.1	2632.8	2906.2	3130.1	3355.1	3666.0	5487.7	7444.5
27.5°	1334.6	1684.9	2047.7	2417.3	2773.2	3015.0	3239.0	3530.6	4672.4	6854.4	8762.4
25°	1423.1	1787.7	2165.9	2546.3	2866.6	3111.0	3354.2	3694.4	5904.5	8011.5	9285.6
22.5°	1506.2	1881.9	2274.3	2664.7	2952.5	3197.4	3494.4	4613.1	6983.7	9047.9	9584.7
20°	1583.2	1971.2	2372.4	2765.3	3030.4	3275.9	3622.0	5578.9	7896.3	9303.1	9815.8
17.5°	1651.7	2050.7	2459.9	2829.2	3095.9	3362.9	3848.0	6446.2	8717.7	9533.3	10004.3
15°	1711.6	2120.3	2536.5	2885.1	3152.6	3455.5	4552.0	7128.1	9140.5	9722.8	10169.2
12.5°	1762.6	2179.5	2601.7	2932.8	3201.0	3534.7	5155.2	7701.9	9302.1	9855.8	10242.9
10°	1804.6	2228.4	2655.5	2972.2	3241.0	3600.1	5654.0	8177.1	9436.1	9966.3	10304.3
7.5°	1837.4	2266.5	2697.6	3003.0	3272.3	3651.4	6045.3	8550.2	9541.5	10053.3	10352.8
5°	1860.9	2293.9	2727.8	3025.1	3294.8	3688.2	6326.6	8818.8	9617.5	10116.1	10387.8
2.5°	1875.0	2310.3	2745.9	3038.4	3308.3	3710.4	6496.2	8980.7	9663.3	10154.0	10408.9
0°	1879.7	2315.8	2752.0	3042.8	3312.8	3717.8	6552.8	9034.8	9678.6	10166.7	10416.0
-2.5°	1875.0	2310.3	2745.9	3038.4	3308.3	3710.4	6496.2	8980.7	9663.3	10154.0	10408.9
-5°	1860.9	2293.9	2727.8	3025.1	3294.8	3688.2	6326.6	8818.8	9617.5	10116.1	10387.8
-7.5°	1837.4	2266.5	2697.6	3003.0	3272.3	3651.4	6045.3	8550.2	9541.5	10053.3	10352.8
-10°	1804.6	2228.4	2655.5	2972.2	3241.0	3600.1	5654.0	8177.1	9436.1	9966.3	10304.3
-12.5°	1762.6	2179.5	2601.7	2932.8	3201.0	3534.7	5155.2	7701.9	9302.1	9855.8	10242.9
-15°	1711.6	2120.3	2536.5	2885.1	3152.6	3455.5	4552.0	7128.1	9140.5	9722.8	10169.2
-17.5°	1651.7	2050.7	2459.9	2829.2	3095.9	3362.9	3848.0	6446.2	8717.7	9533.3	10004.3
-20°	1583.2	1971.2	2372.4	2765.3	3030.4	3275.9	3622.0	5578.9	7896.3	9303.1	9815.8

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1506.2	1881.9	2274.3	2664.7	2952.5	3197.4	3494.4	4613.1	6983.7	9047.9	9584.7
-25°	1423.1	1787.7	2165.9	2546.3	2866.6	3111.0	3354.2	3694.4	5904.5	8011.5	9285.6
-27.5°	1334.6	1684.9	2047.7	2417.3	2773.2	3015.0	3239.0	3530.6	4672.4	6854.4	8762.4
-30°	1238.7	1573.8	1919.9	2278.1	2632.8	2906.2	3130.1	3355.1	3666.0	5487.7	7444.5
-32.5°	1135.8	1455.1	1787.7	2129.2	2471.5	2790.2	3012.0	3216.7	3466.5	3997.2	5983.8
-35°	1031.9	1334.6	1649.1	1971.2	2300.4	2625.0	2880.1	3085.6	3275.3	3534.2	4321.5
-37.5°	931.1	1207.0	1502.7	1807.9	2120.3	2431.1	2736.4	2940.9	3128.9	3304.9	3556.9
-40°	824.9	1072.9	1354.6	1641.2	1931.5	2228.4	2519.4	2786.6	2971.6	3143.5	3304.9
-42.5°	716.1	950.6	1201.7	1467.1	1741.5	2017.3	2293.9	2563.9	2801.7	2971.6	3128.9
-45°	621.1	823.5	1046.2	1295.0	1546.8	1802.3	2060.5	2315.8	2563.9	2786.6	2940.9
-47.5°	522.4	698.0	902.9	1116.8	1351.4	1587.0	1822.6	2060.5	2293.9	2519.4	2736.4
-50°	425.1	586.4	754.9	951.0	1154.2	1370.3	1587.0	1802.3	2017.3	2228.4	2431.1
-52.5°	339.2	471.3	625.1	786.8	967.1	1154.2	1351.4	1546.8	1741.5	1931.5	2120.3
-55°	250.8	370.3	496.9	638.0	786.8	951.0	1116.8	1295.0	1467.1	1641.2	1807.9
-57.5°	186.4	271.4	380.7	496.9	625.1	754.9	902.9	1046.2	1201.7	1354.6	1502.7
-60°	135.8	192.1	271.4	370.3	471.3	586.4	698.0	823.5	950.6	1072.9	1207.0
-62.5°	90.3	135.8	186.4	250.8	339.2	425.1	522.4	621.1	716.1	824.9	931.1
-65°	72.8	88.5	124.6	169.7	213.5	287.8	363.3	436.2	520.0	602.3	680.9
-67.5°	54.9	69.1	82.9	102.4	141.9	180.2	217.3	282.0	344.9	405.1	466.0
-70°	48.1	51.3	61.7	73.8	85.5	103.5	136.4	168.0	198.4	235.4	286.1
-72.5°	43.5	46.3	49.0	51.6	61.0	71.0	80.5	89.8	108.9	134.3	158.4
-75°	38.9	41.2	43.6	45.8	48.0	50.1	53.1	61.0	68.6	75.8	82.7
-77.5°	34.2	36.2	38.1	40.0	41.8	43.6	45.3	46.9	48.5	50.0	51.4
-80°	27.9	31.0	32.7	34.2	35.6	37.0	38.4	39.7	40.9	42.1	43.2
-82.5°	18.3	20.7	23.1	25.3	27.5	29.6	31.4	32.4	33.4	34.2	35.1
-85°	9.6	10.4	11.9	13.4	14.9	16.3	17.7	19.0	20.3	21.5	22.6
-87.5°	4.8	5.2	5.6	6.0	6.3	6.7	7.0	7.4	7.7	8.0	8.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.5	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.0	10.2	10.2
85°	23.7	24.7	25.6	26.5	27.3	28.0	28.7	29.3	29.8	30.2	30.6
82.5°	35.9	36.6	37.3	38.0	38.6	39.1	39.6	40.1	40.4	40.8	41.0
80°	44.3	45.3	46.3	47.2	48.0	48.7	49.4	50.0	50.5	50.9	51.3
77.5°	55.4	60.5	65.3	69.7	73.7	77.4	80.8	83.7	86.3	88.5	90.3
75°	89.2	98.9	116.1	132.0	146.6	160.0	172.1	182.7	192.1	200.0	206.5
72.5°	181.2	202.7	226.8	261.0	292.6	321.3	347.3	370.3	390.4	407.4	421.4
70°	334.1	379.4	421.8	464.5	509.1	549.7	586.4	619.0	647.4	671.5	691.4
67.5°	532.7	595.6	654.5	709.3	767.1	823.5	874.4	919.6	959.1	992.6	1020.2
65°	761.8	847.7	928.3	1003.3	1072.9	1145.8	1211.5	1270.0	1321.1	1364.6	1400.3
62.5°	1031.9	1135.8	1238.7	1334.6	1423.1	1506.2	1583.2	1651.7	1711.6	1762.6	1804.6
60°	1334.6	1455.1	1573.8	1684.9	1787.7	1881.9	1971.2	2050.7	2120.3	2179.5	2228.4
57.5°	1649.1	1787.7	1919.9	2047.7	2165.9	2274.3	2372.4	2459.9	2536.5	2601.7	2655.5
55°	1971.2	2129.2	2278.1	2417.3	2546.3	2664.7	2765.3	2829.2	2885.1	2932.8	2972.2
52.5°	2300.4	2471.5	2632.8	2773.2	2866.6	2952.5	3030.4	3095.9	3152.6	3201.0	3241.0
50°	2625.0	2790.2	2906.2	3015.0	3111.0	3197.4	3275.9	3362.9	3455.5	3534.7	3600.1
47.5°	2880.1	3012.0	3130.1	3239.0	3354.2	3494.4	3622.0	3848.0	4552.0	5155.2	5654.0
45°	3085.6	3216.7	3355.1	3530.6	3694.4	4613.1	5578.9	6446.2	7128.1	7701.9	8177.1
42.5°	3275.3	3466.5	3666.0	4672.4	5904.5	6983.7	7896.3	8717.7	9140.5	9302.1	9436.1
40°	3534.2	3997.2	5487.7	6854.4	8011.5	9047.9	9303.1	9533.3	9722.8	9855.8	9966.3
37.5°	4321.5	5983.8	7444.5	8762.4	9285.6	9584.7	9815.8	10004.3	10169.2	10242.9	10304.3
35°	6150.3	7742.9	9082.9	9447.3	9763.8	10007.1	10199.8	10303.7	10396.2	10416.0	10416.0
32.5°	7742.9	9122.8	9529.2	9859.4	10137.6	10285.0	10408.3	10416.0	10416.0	10405.4	10387.1
30°	9082.9	9529.2	9891.5	10185.7	10337.2	10416.0	10416.0	10398.9	10371.8	10389.3	10515.5
27.5°	9447.3	9859.4	10185.7	10354.8	10416.0	10415.2	10379.6	10397.0	10583.8	10747.6	11262.7
25°	9763.8	10137.6	10337.2	10416.0	10410.4	10369.7	10494.4	10718.3	11394.4	12063.6	13301.2
22.5°	10007.1	10285.0	10416.0	10415.2	10369.7	10527.4	10893.3	11796.9	13273.6	15205.1	18439.9
20°	10199.8	10408.3	10416.0	10379.6	10494.4	10893.3	11933.4	14029.9	17002.9	23589.3	30690.0
17.5°	10303.7	10416.0	10398.9	10397.0	10718.3	11796.9	14029.9	18261.8	26259.0	40274.0	54626.7
15°	10396.2	10416.0	10371.8	10583.8	11394.4	13273.6	17002.9	26259.0	43561.3	66139.7	93790.3
12.5°	10416.0	10405.4	10389.3	10747.6	12063.6	15205.1	23589.3	40274.0	66139.7	100506.1	149261.2
10°	10416.0	10387.1	10515.5	11262.7	13301.2	18439.9	30690.0	54626.7	93790.3	149261.2	216981.5
7.5°	10416.0	10372.7	10616.0	11676.0	14504.6	22591.8	41208.3	74422.8	125800.0	197916.9	308308.3
5°	10416.0	10362.2	10689.0	11977.6	15386.7	25652.6	49022.7	89746.5	154253.3	251687.8	394956.9
2.5°	10416.0	10355.8	10733.4	12161.2	15925.6	27530.4	53844.7	99279.8	172168.3	291910.8	457932.5
0°	10416.0	10353.7	10748.3	12222.9	16106.9	28163.6	55475.7	102518.9	178296.9	306897.3	480422.4
-2.5°	10416.0	10355.8	10733.4	12161.2	15925.6	27530.4	53844.7	99279.8	172168.3	291910.8	457932.5
-5°	10416.0	10362.2	10689.0	11977.6	15386.7	25652.6	49022.7	89746.5	154253.3	251687.8	394956.9
-7.5°	10416.0	10372.7	10616.0	11676.0	14504.6	22591.8	41208.3	74422.8	125800.0	197916.9	308308.3
-10°	10416.0	10387.1	10515.5	11262.7	13301.2	18439.9	30690.0	54626.7	93790.3	149261.2	216981.5
-12.5°	10416.0	10405.4	10389.3	10747.6	12063.6	15205.1	23589.3	40274.0	66139.7	100506.1	149261.2
-15°	10396.2	10416.0	10371.8	10583.8	11394.4	13273.6	17002.9	26259.0	43561.3	66139.7	93790.3
-17.5°	10303.7	10416.0	10398.9	10397.0	10718.3	11796.9	14029.9	18261.8	26259.0	40274.0	54626.7
-20°	10199.8	10408.3	10416.0	10379.6	10494.4	10893.3	11933.4	14029.9	17002.9	23589.3	30690.0

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10007.1	10285.0	10416.0	10415.2	10369.7	10527.4	10893.3	11796.9	13273.6	15205.1	18439.9
-25°	9763.8	10137.6	10337.2	10416.0	10410.4	10369.7	10494.4	10718.3	11394.4	12063.6	13301.2
-27.5°	9447.3	9859.4	10185.7	10354.8	10416.0	10415.2	10379.6	10397.0	10583.8	10747.6	11262.7
-30°	9082.9	9529.2	9891.5	10185.7	10337.2	10416.0	10416.0	10398.9	10371.8	10389.3	10515.5
-32.5°	7742.9	9122.8	9529.2	9859.4	10137.6	10285.0	10408.3	10416.0	10416.0	10405.4	10387.1
-35°	6150.3	7742.9	9082.9	9447.3	9763.8	10007.1	10199.8	10303.7	10396.2	10416.0	10416.0
-37.5°	4321.5	5983.8	7444.5	8762.4	9285.6	9584.7	9815.8	10004.3	10169.2	10242.9	10304.3
-40°	3534.2	3997.2	5487.7	6854.4	8011.5	9047.9	9303.1	9533.3	9722.8	9855.8	9966.3
-42.5°	3275.3	3466.5	3666.0	4672.4	5904.5	6983.7	7896.3	8717.7	9140.5	9302.1	9436.1
-45°	3085.6	3216.7	3355.1	3530.6	3694.4	4613.1	5578.9	6446.2	7128.1	7701.9	8177.1
-47.5°	2880.1	3012.0	3130.1	3239.0	3354.2	3494.4	3622.0	3848.0	4552.0	5155.2	5654.0
-50°	2625.0	2790.2	2906.2	3015.0	3111.0	3197.4	3275.9	3362.9	3455.5	3534.7	3600.1
-52.5°	2300.4	2471.5	2632.8	2773.2	2866.6	2952.5	3030.4	3095.9	3152.6	3201.0	3241.0
-55°	1971.2	2129.2	2278.1	2417.3	2546.3	2664.7	2765.3	2829.2	2885.1	2932.8	2972.2
-57.5°	1649.1	1787.7	1919.9	2047.7	2165.9	2274.3	2372.4	2459.9	2536.5	2601.7	2655.5
-60°	1334.6	1455.1	1573.8	1684.9	1787.7	1881.9	1971.2	2050.7	2120.3	2179.5	2228.4
-62.5°	1031.9	1135.8	1238.7	1334.6	1423.1	1506.2	1583.2	1651.7	1711.6	1762.6	1804.6
-65°	761.8	847.7	928.3	1003.3	1072.9	1145.8	1211.5	1270.0	1321.1	1364.6	1400.3
-67.5°	532.7	595.6	654.5	709.3	767.1	823.5	874.4	919.6	959.1	992.6	1020.2
-70°	334.1	379.4	421.8	464.5	509.1	549.7	586.4	619.0	647.4	671.5	691.4
-72.5°	181.2	202.7	226.8	261.0	292.6	321.3	347.3	370.3	390.4	407.4	421.4
-75°	89.2	98.9	116.1	132.0	146.6	160.0	172.1	182.7	192.1	200.0	206.5
-77.5°	55.4	60.5	65.3	69.7	73.7	77.4	80.8	83.7	86.3	88.5	90.3
-80°	44.3	45.3	46.3	47.2	48.0	48.7	49.4	50.0	50.5	50.9	51.3
-82.5°	35.9	36.6	37.3	38.0	38.6	39.1	39.6	40.1	40.4	40.8	41.0
-85°	23.7	24.7	25.6	26.5	27.3	28.0	28.7	29.3	29.8	30.2	30.6
-87.5°	8.5	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.0	10.2	10.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.2	10.0	9.9
85°	30.8	31.0	31.2	31.2	31.2	31.0	30.8	30.6	30.2	29.8	29.3
82.5°	41.2	41.4	41.5	41.5	41.5	41.4	41.2	41.0	40.8	40.4	40.1
80°	51.5	51.7	51.9	51.9	51.9	51.7	51.5	51.3	50.9	50.5	50.0
77.5°	91.7	92.7	93.3	93.5	93.3	92.7	91.7	90.3	88.5	86.3	83.7
75°	211.6	215.2	217.4	218.1	217.4	215.2	211.6	206.5	200.0	192.1	182.7
72.5°	432.4	440.2	444.9	446.5	444.9	440.2	432.4	421.4	407.4	390.4	370.3
70°	706.9	718.0	724.7	726.9	724.7	718.0	706.9	691.4	671.5	647.4	619.0
67.5°	1041.8	1057.2	1066.5	1069.6	1066.5	1057.2	1041.8	1020.2	992.6	959.1	919.6
65°	1428.2	1448.3	1460.3	1464.3	1460.3	1448.3	1428.2	1400.3	1364.6	1321.1	1270.0
62.5°	1837.4	1860.9	1875.0	1879.7	1875.0	1860.9	1837.4	1804.6	1762.6	1711.6	1651.7
60°	2266.5	2293.9	2310.3	2315.8	2310.3	2293.9	2266.5	2228.4	2179.5	2120.3	2050.7
57.5°	2697.6	2727.8	2745.9	2752.0	2745.9	2727.8	2697.6	2655.5	2601.7	2536.5	2459.9
55°	3003.0	3025.1	3038.4	3042.8	3038.4	3025.1	3003.0	2972.2	2932.8	2885.1	2829.2
52.5°	3272.3	3294.8	3308.3	3312.8	3308.3	3294.8	3272.3	3241.0	3201.0	3152.6	3095.9
50°	3651.4	3688.2	3710.4	3717.8	3710.4	3688.2	3651.4	3600.1	3534.7	3455.5	3362.9
47.5°	6045.3	6326.6	6496.2	6552.8	6496.2	6326.6	6045.3	5654.0	5155.2	4552.0	3848.0
45°	8550.2	8818.8	8980.7	9034.8	8980.7	8818.8	8550.2	8177.1	7701.9	7128.1	6446.2
42.5°	9541.5	9617.5	9663.3	9678.6	9663.3	9617.5	9541.5	9436.1	9302.1	9140.5	8717.7
40°	10053.3	10116.1	10154.0	10166.7	10154.0	10116.1	10053.3	9966.3	9855.8	9722.8	9533.3
37.5°	10352.8	10387.8	10408.9	10416.0	10408.9	10387.8	10352.8	10304.3	10242.9	10169.2	10004.3
35°	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10396.2	10303.7
32.5°	10372.7	10362.2	10355.8	10353.7	10355.8	10362.2	10372.7	10387.1	10405.4	10416.0	10416.0
30°	10616.0	10689.0	10733.4	10748.3	10733.4	10689.0	10616.0	10515.5	10389.3	10371.8	10398.9
27.5°	11676.0	11977.6	12161.2	12222.9	12161.2	11977.6	11676.0	11262.7	10747.6	10583.8	10397.0
25°	14504.6	15386.7	15925.6	16106.9	15925.6	15386.7	14504.6	13301.2	12063.6	11394.4	10718.3
22.5°	22591.8	25652.6	27530.4	28163.6	27530.4	25652.6	22591.8	18439.9	15205.1	13273.6	11796.9
20°	41208.3	49022.7	53844.7	55475.7	53844.7	49022.7	41208.3	30690.0	23589.3	17002.9	14029.9
17.5°	74422.8	89746.5	99279.8	102518.9	99279.8	89746.5	74422.8	54626.7	40274.0	26259.0	18261.8
15°	125800.0	154253.3	172168.3	178296.9	172168.3	154253.3	125800.0	93790.3	66139.7	43561.3	26259.0
12.5°	197916.9	251687.8	291910.8	306897.3	291910.8	251687.8	197916.9	149261.2	100506.1	66139.7	40274.0
10°	308308.3	394956.9	457932.5	480422.4	457932.5	394956.9	308308.3	216981.5	149261.2	93790.3	54626.7
7.5°	436767.2	557185.1	647847.0	683165.2	647847.0	557185.1	436767.2	308308.3	197916.9	125800.0	74422.8
5°	557185.1	721109.0	848974.8	897092.4	848974.8	721109.0	557185.1	394956.9	251687.8	154253.3	89746.5
2.5°	647847.0	848974.8	994686.6	#####	994686.6	848974.8	647847.0	457932.5	291910.8	172168.3	99279.8
0°	683165.2	897092.4	#####	#####	#####	897092.4	683165.2	480422.4	306897.3	178296.9	102518.9
-2.5°	647847.0	848974.8	994686.6	#####	994686.6	848974.8	647847.0	457932.5	291910.8	172168.3	99279.8
-5°	557185.1	721109.0	848974.8	897092.4	848974.8	721109.0	557185.1	394956.9	251687.8	154253.3	89746.5
-7.5°	436767.2	557185.1	647847.0	683165.2	647847.0	557185.1	436767.2	308308.3	197916.9	125800.0	74422.8
-10°	308308.3	394956.9	457932.5	480422.4	457932.5	394956.9	308308.3	216981.5	149261.2	93790.3	54626.7
-12.5°	197916.9	251687.8	291910.8	306897.3	291910.8	251687.8	197916.9	149261.2	100506.1	66139.7	40274.0
-15°	125800.0	154253.3	172168.3	178296.9	172168.3	154253.3	125800.0	93790.3	66139.7	43561.3	26259.0
-17.5°	74422.8	89746.5	99279.8	102518.9	99279.8	89746.5	74422.8	54626.7	40274.0	26259.0	18261.8
-20°	41208.3	49022.7	53844.7	55475.7	53844.7	49022.7	41208.3	30690.0	23589.3	17002.9	14029.9

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	22591.8	25652.6	27530.4	28163.6	27530.4	25652.6	22591.8	18439.9	15205.1	13273.6	11796.9
-25°	14504.6	15386.7	15925.6	16106.9	15925.6	15386.7	14504.6	13301.2	12063.6	11394.4	10718.3
-27.5°	11676.0	11977.6	12161.2	12222.9	12161.2	11977.6	11676.0	11262.7	10747.6	10583.8	10397.0
-30°	10616.0	10689.0	10733.4	10748.3	10733.4	10689.0	10616.0	10515.5	10389.3	10371.8	10398.9
-32.5°	10372.7	10362.2	10355.8	10353.7	10355.8	10362.2	10372.7	10387.1	10405.4	10416.0	10416.0
-35°	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10416.0	10396.2	10303.7
-37.5°	10352.8	10387.8	10408.9	10416.0	10408.9	10387.8	10352.8	10304.3	10242.9	10169.2	10004.3
-40°	10053.3	10116.1	10154.0	10166.7	10154.0	10116.1	10053.3	9966.3	9855.8	9722.8	9533.3
-42.5°	9541.5	9617.5	9663.3	9678.6	9663.3	9617.5	9541.5	9436.1	9302.1	9140.5	8717.7
-45°	8550.2	8818.8	8980.7	9034.8	8980.7	8818.8	8550.2	8177.1	7701.9	7128.1	6446.2
-47.5°	6045.3	6326.6	6496.2	6552.8	6496.2	6326.6	6045.3	5654.0	5155.2	4552.0	3848.0
-50°	3651.4	3688.2	3710.4	3717.8	3710.4	3688.2	3651.4	3600.1	3534.7	3455.5	3362.9
-52.5°	3272.3	3294.8	3308.3	3312.8	3308.3	3294.8	3272.3	3241.0	3201.0	3152.6	3095.9
-55°	3003.0	3025.1	3038.4	3042.8	3038.4	3025.1	3003.0	2972.2	2932.8	2885.1	2829.2
-57.5°	2697.6	2727.8	2745.9	2752.0	2745.9	2727.8	2697.6	2655.5	2601.7	2536.5	2459.9
-60°	2266.5	2293.9	2310.3	2315.8	2310.3	2293.9	2266.5	2228.4	2179.5	2120.3	2050.7
-62.5°	1837.4	1860.9	1875.0	1879.7	1875.0	1860.9	1837.4	1804.6	1762.6	1711.6	1651.7
-65°	1428.2	1448.3	1460.3	1464.3	1460.3	1448.3	1428.2	1400.3	1364.6	1321.1	1270.0
-67.5°	1041.8	1057.2	1066.5	1069.6	1066.5	1057.2	1041.8	1020.2	992.6	959.1	919.6
-70°	706.9	718.0	724.7	726.9	724.7	718.0	706.9	691.4	671.5	647.4	619.0
-72.5°	432.4	440.2	444.9	446.5	444.9	440.2	432.4	421.4	407.4	390.4	370.3
-75°	211.6	215.2	217.4	218.1	217.4	215.2	211.6	206.5	200.0	192.1	182.7
-77.5°	91.7	92.7	93.3	93.5	93.3	92.7	91.7	90.3	88.5	86.3	83.7
-80°	51.5	51.7	51.9	51.9	51.9	51.7	51.5	51.3	50.9	50.5	50.0
-82.5°	41.2	41.4	41.5	41.5	41.5	41.4	41.2	41.0	40.8	40.4	40.1
-85°	30.8	31.0	31.2	31.2	31.2	31.0	30.8	30.6	30.2	29.8	29.3
-87.5°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.2	10.0	9.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4
85°	28.7	28.0	27.3	26.5	25.6	24.7	23.7	22.6	21.5	20.3	19.0
82.5°	39.6	39.1	38.6	38.0	37.3	36.6	35.9	35.1	34.2	33.4	32.4
80°	49.4	48.7	48.0	47.2	46.3	45.3	44.3	43.2	42.1	40.9	39.7
77.5°	80.8	77.4	73.7	69.7	65.3	60.5	55.4	51.4	50.0	48.5	46.9
75°	172.1	160.0	146.6	132.0	116.1	98.9	89.2	82.7	75.8	68.6	61.0
72.5°	347.3	321.3	292.6	261.0	226.8	202.7	181.2	158.4	134.3	108.9	89.8
70°	586.4	549.7	509.1	464.5	421.8	379.4	334.1	286.1	235.4	198.4	168.0
67.5°	874.4	823.5	767.1	709.3	654.5	595.6	532.7	466.0	405.1	344.9	282.0
65°	1211.5	1145.8	1072.9	1003.3	928.3	847.7	761.8	680.9	602.3	520.0	436.2
62.5°	1583.2	1506.2	1423.1	1334.6	1238.7	1135.8	1031.9	931.1	824.9	716.1	621.1
60°	1971.2	1881.9	1787.7	1684.9	1573.8	1455.1	1334.6	1207.0	1072.9	950.6	823.5
57.5°	2372.4	2274.3	2165.9	2047.7	1919.9	1787.7	1649.1	1502.7	1354.6	1201.7	1046.2
55°	2765.3	2664.7	2546.3	2417.3	2278.1	2129.2	1971.2	1807.9	1641.2	1467.1	1295.0
52.5°	3030.4	2952.5	2866.6	2773.2	2632.8	2471.5	2300.4	2120.3	1931.5	1741.5	1546.8
50°	3275.9	3197.4	3111.0	3015.0	2906.2	2790.2	2625.0	2431.1	2228.4	2017.3	1802.3
47.5°	3622.0	3494.4	3354.2	3239.0	3130.1	3012.0	2880.1	2736.4	2519.4	2293.9	2060.5
45°	5578.9	4613.1	3694.4	3530.6	3355.1	3216.7	3085.6	2940.9	2786.6	2563.9	2315.8
42.5°	7896.3	6983.7	5904.5	4672.4	3666.0	3466.5	3275.3	3128.9	2971.6	2801.7	2563.9
40°	9303.1	9047.9	8011.5	6854.4	5487.7	3997.2	3534.2	3304.9	3143.5	2971.6	2786.6
37.5°	9815.8	9584.7	9285.6	8762.4	7444.5	5983.8	4321.5	3556.9	3304.9	3128.9	2940.9
35°	10199.8	10007.1	9763.8	9447.3	9082.9	7742.9	6150.3	4321.5	3534.2	3275.3	3085.6
32.5°	10408.3	10285.0	10137.6	9859.4	9529.2	9122.8	7742.9	5983.8	3997.2	3466.5	3216.7
30°	10416.0	10416.0	10337.2	10185.7	9891.5	9529.2	9082.9	7444.5	5487.7	3666.0	3355.1
27.5°	10379.6	10415.2	10416.0	10354.8	10185.7	9859.4	9447.3	8762.4	6854.4	4672.4	3530.6
25°	10494.4	10369.7	10410.4	10416.0	10337.2	10137.6	9763.8	9285.6	8011.5	5904.5	3694.4
22.5°	10893.3	10527.4	10369.7	10415.2	10416.0	10285.0	10007.1	9584.7	9047.9	6983.7	4613.1
20°	11933.4	10893.3	10494.4	10379.6	10416.0	10408.3	10199.8	9815.8	9303.1	7896.3	5578.9
17.5°	14029.9	11796.9	10718.3	10397.0	10398.9	10416.0	10303.7	10004.3	9533.3	8717.7	6446.2
15°	17002.9	13273.6	11394.4	10583.8	10371.8	10416.0	10396.2	10169.2	9722.8	9140.5	7128.1
12.5°	23589.3	15205.1	12063.6	10747.6	10389.3	10405.4	10416.0	10242.9	9855.8	9302.1	7701.9
10°	30690.0	18439.9	13301.2	11262.7	10515.5	10387.1	10416.0	10304.3	9966.3	9436.1	8177.1
7.5°	41208.3	22591.8	14504.6	11676.0	10616.0	10372.7	10416.0	10352.8	10053.3	9541.5	8550.2
5°	49022.7	25652.6	15386.7	11977.6	10689.0	10362.2	10416.0	10387.8	10116.1	9617.5	8818.8
2.5°	53844.7	27530.4	15925.6	12161.2	10733.4	10355.8	10416.0	10408.9	10154.0	9663.3	8980.7
0°	55475.7	28163.6	16106.9	12222.9	10748.3	10353.7	10416.0	10416.0	10166.7	9678.6	9034.8
-2.5°	53844.7	27530.4	15925.6	12161.2	10733.4	10355.8	10416.0	10408.9	10154.0	9663.3	8980.7
-5°	49022.7	25652.6	15386.7	11977.6	10689.0	10362.2	10416.0	10387.8	10116.1	9617.5	8818.8
-7.5°	41208.3	22591.8	14504.6	11676.0	10616.0	10372.7	10416.0	10352.8	10053.3	9541.5	8550.2
-10°	30690.0	18439.9	13301.2	11262.7	10515.5	10387.1	10416.0	10304.3	9966.3	9436.1	8177.1
-12.5°	23589.3	15205.1	12063.6	10747.6	10389.3	10405.4	10416.0	10242.9	9855.8	9302.1	7701.9
-15°	17002.9	13273.6	11394.4	10583.8	10371.8	10416.0	10396.2	10169.2	9722.8	9140.5	7128.1
-17.5°	14029.9	11796.9	10718.3	10397.0	10398.9	10416.0	10303.7	10004.3	9533.3	8717.7	6446.2
-20°	11933.4	10893.3	10494.4	10379.6	10416.0	10408.3	10199.8	9815.8	9303.1	7896.3	5578.9

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10893.3	10527.4	10369.7	10415.2	10416.0	10285.0	10007.1	9584.7	9047.9	6983.7	4613.1
-25°	10494.4	10369.7	10410.4	10416.0	10337.2	10137.6	9763.8	9285.6	8011.5	5904.5	3694.4
-27.5°	10379.6	10415.2	10416.0	10354.8	10185.7	9859.4	9447.3	8762.4	6854.4	4672.4	3530.6
-30°	10416.0	10416.0	10337.2	10185.7	9891.5	9529.2	9082.9	7444.5	5487.7	3666.0	3355.1
-32.5°	10408.3	10285.0	10137.6	9859.4	9529.2	9122.8	7742.9	5983.8	3997.2	3466.5	3216.7
-35°	10199.8	10007.1	9763.8	9447.3	9082.9	7742.9	6150.3	4321.5	3534.2	3275.3	3085.6
-37.5°	9815.8	9584.7	9285.6	8762.4	7444.5	5983.8	4321.5	3556.9	3304.9	3128.9	2940.9
-40°	9303.1	9047.9	8011.5	6854.4	5487.7	3997.2	3534.2	3304.9	3143.5	2971.6	2786.6
-42.5°	7896.3	6983.7	5904.5	4672.4	3666.0	3466.5	3275.3	3128.9	2971.6	2801.7	2563.9
-45°	5578.9	4613.1	3694.4	3530.6	3355.1	3216.7	3085.6	2940.9	2786.6	2563.9	2315.8
-47.5°	3622.0	3494.4	3354.2	3239.0	3130.1	3012.0	2880.1	2736.4	2519.4	2293.9	2060.5
-50°	3275.9	3197.4	3111.0	3015.0	2906.2	2790.2	2625.0	2431.1	2228.4	2017.3	1802.3
-52.5°	3030.4	2952.5	2866.6	2773.2	2632.8	2471.5	2300.4	2120.3	1931.5	1741.5	1546.8
-55°	2765.3	2664.7	2546.3	2417.3	2278.1	2129.2	1971.2	1807.9	1641.2	1467.1	1295.0
-57.5°	2372.4	2274.3	2165.9	2047.7	1919.9	1787.7	1649.1	1502.7	1354.6	1201.7	1046.2
-60°	1971.2	1881.9	1787.7	1684.9	1573.8	1455.1	1334.6	1207.0	1072.9	950.6	823.5
-62.5°	1583.2	1506.2	1423.1	1334.6	1238.7	1135.8	1031.9	931.1	824.9	716.1	621.1
-65°	1211.5	1145.8	1072.9	1003.3	928.3	847.7	761.8	680.9	602.3	520.0	436.2
-67.5°	874.4	823.5	767.1	709.3	654.5	595.6	532.7	466.0	405.1	344.9	282.0
-70°	586.4	549.7	509.1	464.5	421.8	379.4	334.1	286.1	235.4	198.4	168.0
-72.5°	347.3	321.3	292.6	261.0	226.8	202.7	181.2	158.4	134.3	108.9	89.8
-75°	172.1	160.0	146.6	132.0	116.1	98.9	89.2	82.7	75.8	68.6	61.0
-77.5°	80.8	77.4	73.7	69.7	65.3	60.5	55.4	51.4	50.0	48.5	46.9
-80°	49.4	48.7	48.0	47.2	46.3	45.3	44.3	43.2	42.1	40.9	39.7
-82.5°	39.6	39.1	38.6	38.0	37.3	36.6	35.9	35.1	34.2	33.4	32.4
-85°	28.7	28.0	27.3	26.5	25.6	24.7	23.7	22.6	21.5	20.3	19.0
-87.5°	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.0	6.7	6.3	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.1
85°	17.7	16.3	14.9	13.4	11.9	10.4	9.6	8.8	8.0	7.1	6.2
82.5°	31.4	29.6	27.5	25.3	23.1	20.7	18.3	15.9	13.4	10.9	9.4
80°	38.4	37.0	35.6	34.2	32.7	31.0	27.9	24.6	21.3	17.9	14.5
77.5°	45.3	43.6	41.8	40.0	38.1	36.2	34.2	32.2	29.1	24.9	20.6
75°	53.1	50.1	48.0	45.8	43.6	41.2	38.9	36.5	34.0	31.5	26.7
72.5°	80.5	71.0	61.0	51.6	49.0	46.3	43.5	40.7	37.8	34.9	32.0
70°	136.4	103.5	85.5	73.8	61.7	51.3	48.1	44.9	41.6	38.3	34.9
67.5°	217.3	180.2	141.9	102.4	82.9	69.1	54.9	49.0	45.3	41.6	37.8
65°	363.3	287.8	213.5	169.7	124.6	88.5	72.8	56.7	49.0	44.9	40.7
62.5°	522.4	425.1	339.2	250.8	186.4	135.8	90.3	72.8	54.9	48.1	43.5
60°	698.0	586.4	471.3	370.3	271.4	192.1	135.8	88.5	69.1	51.3	46.3
57.5°	902.9	754.9	625.1	496.9	380.7	271.4	186.4	124.6	82.9	61.7	49.0
55°	1116.8	951.0	786.8	638.0	496.9	370.3	250.8	169.7	102.4	73.8	51.6
52.5°	1351.4	1154.2	967.1	786.8	625.1	471.3	339.2	213.5	141.9	85.5	61.0
50°	1587.0	1370.3	1154.2	951.0	754.9	586.4	425.1	287.8	180.2	103.5	71.0
47.5°	1822.6	1587.0	1351.4	1116.8	902.9	698.0	522.4	363.3	217.3	136.4	80.5
45°	2060.5	1802.3	1546.8	1295.0	1046.2	823.5	621.1	436.2	282.0	168.0	89.8
42.5°	2293.9	2017.3	1741.5	1467.1	1201.7	950.6	716.1	520.0	344.9	198.4	108.9
40°	2519.4	2228.4	1931.5	1641.2	1354.6	1072.9	824.9	602.3	405.1	235.4	134.3
37.5°	2736.4	2431.1	2120.3	1807.9	1502.7	1207.0	931.1	680.9	466.0	286.1	158.4
35°	2880.1	2625.0	2300.4	1971.2	1649.1	1334.6	1031.9	761.8	532.7	334.1	181.2
32.5°	3012.0	2790.2	2471.5	2129.2	1787.7	1455.1	1135.8	847.7	595.6	379.4	202.7
30°	3130.1	2906.2	2632.8	2278.1	1919.9	1573.8	1238.7	928.3	654.5	421.8	226.8
27.5°	3239.0	3015.0	2773.2	2417.3	2047.7	1684.9	1334.6	1003.3	709.3	464.5	261.0
25°	3354.2	3111.0	2866.6	2546.3	2165.9	1787.7	1423.1	1072.9	767.1	509.1	292.6
22.5°	3494.4	3197.4	2952.5	2664.7	2274.3	1881.9	1506.2	1145.8	823.5	549.7	321.3
20°	3622.0	3275.9	3030.4	2765.3	2372.4	1971.2	1583.2	1211.5	874.4	586.4	347.3
17.5°	3848.0	3362.9	3095.9	2829.2	2459.9	2050.7	1651.7	1270.0	919.6	619.0	370.3
15°	4552.0	3455.5	3152.6	2885.1	2536.5	2120.3	1711.6	1321.1	959.1	647.4	390.4
12.5°	5155.2	3534.7	3201.0	2932.8	2601.7	2179.5	1762.6	1364.6	992.6	671.5	407.4
10°	5654.0	3600.1	3241.0	2972.2	2655.5	2228.4	1804.6	1400.3	1020.2	691.4	421.4
7.5°	6045.3	3651.4	3272.3	3003.0	2697.6	2266.5	1837.4	1428.2	1041.8	706.9	432.4
5°	6326.6	3688.2	3294.8	3025.1	2727.8	2293.9	1860.9	1448.3	1057.2	718.0	440.2
2.5°	6496.2	3710.4	3308.3	3038.4	2745.9	2310.3	1875.0	1460.3	1066.5	724.7	444.9
0°	6552.8	3717.8	3312.8	3042.8	2752.0	2315.8	1879.7	1464.3	1069.6	726.9	446.5
-2.5°	6496.2	3710.4	3308.3	3038.4	2745.9	2310.3	1875.0	1460.3	1066.5	724.7	444.9
-5°	6326.6	3688.2	3294.8	3025.1	2727.8	2293.9	1860.9	1448.3	1057.2	718.0	440.2
-7.5°	6045.3	3651.4	3272.3	3003.0	2697.6	2266.5	1837.4	1428.2	1041.8	706.9	432.4
-10°	5654.0	3600.1	3241.0	2972.2	2655.5	2228.4	1804.6	1400.3	1020.2	691.4	421.4
-12.5°	5155.2	3534.7	3201.0	2932.8	2601.7	2179.5	1762.6	1364.6	992.6	671.5	407.4
-15°	4552.0	3455.5	3152.6	2885.1	2536.5	2120.3	1711.6	1321.1	959.1	647.4	390.4
-17.5°	3848.0	3362.9	3095.9	2829.2	2459.9	2050.7	1651.7	1270.0	919.6	619.0	370.3
-20°	3622.0	3275.9	3030.4	2765.3	2372.4	1971.2	1583.2	1211.5	874.4	586.4	347.3

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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3494.4	3197.4	2952.5	2664.7	2274.3	1881.9	1506.2	1145.8	823.5	549.7	321.3
-25°	3354.2	3111.0	2866.6	2546.3	2165.9	1787.7	1423.1	1072.9	767.1	509.1	292.6
-27.5°	3239.0	3015.0	2773.2	2417.3	2047.7	1684.9	1334.6	1003.3	709.3	464.5	261.0
-30°	3130.1	2906.2	2632.8	2278.1	1919.9	1573.8	1238.7	928.3	654.5	421.8	226.8
-32.5°	3012.0	2790.2	2471.5	2129.2	1787.7	1455.1	1135.8	847.7	595.6	379.4	202.7
-35°	2880.1	2625.0	2300.4	1971.2	1649.1	1334.6	1031.9	761.8	532.7	334.1	181.2
-37.5°	2736.4	2431.1	2120.3	1807.9	1502.7	1207.0	931.1	680.9	466.0	286.1	158.4
-40°	2519.4	2228.4	1931.5	1641.2	1354.6	1072.9	824.9	602.3	405.1	235.4	134.3
-42.5°	2293.9	2017.3	1741.5	1467.1	1201.7	950.6	716.1	520.0	344.9	198.4	108.9
-45°	2060.5	1802.3	1546.8	1295.0	1046.2	823.5	621.1	436.2	282.0	168.0	89.8
-47.5°	1822.6	1587.0	1351.4	1116.8	902.9	698.0	522.4	363.3	217.3	136.4	80.5
-50°	1587.0	1370.3	1154.2	951.0	754.9	586.4	425.1	287.8	180.2	103.5	71.0
-52.5°	1351.4	1154.2	967.1	786.8	625.1	471.3	339.2	213.5	141.9	85.5	61.0
-55°	1116.8	951.0	786.8	638.0	496.9	370.3	250.8	169.7	102.4	73.8	51.6
-57.5°	902.9	754.9	625.1	496.9	380.7	271.4	186.4	124.6	82.9	61.7	49.0
-60°	698.0	586.4	471.3	370.3	271.4	192.1	135.8	88.5	69.1	51.3	46.3
-62.5°	522.4	425.1	339.2	250.8	186.4	135.8	90.3	72.8	54.9	48.1	43.5
-65°	363.3	287.8	213.5	169.7	124.6	88.5	72.8	56.7	49.0	44.9	40.7
-67.5°	217.3	180.2	141.9	102.4	82.9	69.1	54.9	49.0	45.3	41.6	37.8
-70°	136.4	103.5	85.5	73.8	61.7	51.3	48.1	44.9	41.6	38.3	34.9
-72.5°	80.5	71.0	61.0	51.6	49.0	46.3	43.5	40.7	37.8	34.9	32.0
-75°	53.1	50.1	48.0	45.8	43.6	41.2	38.9	36.5	34.0	31.5	26.7
-77.5°	45.3	43.6	41.8	40.0	38.1	36.2	34.2	32.2	29.1	24.9	20.6
-80°	38.4	37.0	35.6	34.2	32.7	31.0	27.9	24.6	21.3	17.9	14.5
-82.5°	31.4	29.6	27.5	25.3	23.1	20.7	18.3	15.9	13.4	10.9	9.4
-85°	17.7	16.3	14.9	13.4	11.9	10.4	9.6	8.8	8.0	7.1	6.2
-87.5°	7.0	6.7	6.3	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
85°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
82.5°	8.1	6.7	5.4	4.1	2.7	1.4	0.0
80°	11.0	9.0	7.2	5.4	3.6	1.8	0.0
77.5°	16.3	11.9	9.0	6.7	4.5	2.3	0.0
75°	21.6	16.3	11.0	8.1	5.4	2.7	0.0
72.5°	26.7	20.6	14.5	9.4	6.2	3.1	0.0
70°	31.5	24.9	17.9	10.9	7.1	3.6	0.0
67.5°	34.0	29.1	21.3	13.4	8.0	4.0	0.0
65°	36.5	32.2	24.6	15.9	8.8	4.4	0.0
62.5°	38.9	34.2	27.9	18.3	9.6	4.8	0.0
60°	41.2	36.2	31.0	20.7	10.4	5.2	0.0
57.5°	43.6	38.1	32.7	23.1	11.9	5.6	0.0
55°	45.8	40.0	34.2	25.3	13.4	6.0	0.0
52.5°	48.0	41.8	35.6	27.5	14.9	6.3	0.0
50°	50.1	43.6	37.0	29.6	16.3	6.7	0.0
47.5°	53.1	45.3	38.4	31.4	17.7	7.0	0.0
45°	61.0	46.9	39.7	32.4	19.0	7.4	0.0
42.5°	68.6	48.5	40.9	33.4	20.3	7.7	0.0
40°	75.8	50.0	42.1	34.2	21.5	8.0	0.0
37.5°	82.7	51.4	43.2	35.1	22.6	8.2	0.0
35°	89.2	55.4	44.3	35.9	23.7	8.5	0.0
32.5°	98.9	60.5	45.3	36.6	24.7	8.8	0.0
30°	116.1	65.3	46.3	37.3	25.6	9.0	0.0
27.5°	132.0	69.7	47.2	38.0	26.5	9.2	0.0
25°	146.6	73.7	48.0	38.6	27.3	9.4	0.0
22.5°	160.0	77.4	48.7	39.1	28.0	9.6	0.0
20°	172.1	80.8	49.4	39.6	28.7	9.8	0.0
17.5°	182.7	83.7	50.0	40.1	29.3	9.9	0.0
15°	192.1	86.3	50.5	40.4	29.8	10.0	0.0
12.5°	200.0	88.5	50.9	40.8	30.2	10.2	0.0
10°	206.5	90.3	51.3	41.0	30.6	10.2	0.0
7.5°	211.6	91.7	51.5	41.2	30.8	10.3	0.0
5°	215.2	92.7	51.7	41.4	31.0	10.4	0.0
2.5°	217.4	93.3	51.9	41.5	31.2	10.4	0.0
0°	218.1	93.5	51.9	41.5	31.2	10.4	0.0
-2.5°	217.4	93.3	51.9	41.5	31.2	10.4	0.0
-5°	215.2	92.7	51.7	41.4	31.0	10.4	0.0
-7.5°	211.6	91.7	51.5	41.2	30.8	10.3	0.0
-10°	206.5	90.3	51.3	41.0	30.6	10.2	0.0
-12.5°	200.0	88.5	50.9	40.8	30.2	10.2	0.0
-15°	192.1	86.3	50.5	40.4	29.8	10.0	0.0
-17.5°	182.7	83.7	50.0	40.1	29.3	9.9	0.0
-20°	172.1	80.8	49.4	39.6	28.7	9.8	0.0

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Scaled Data Report



REPORT NUMBER: P601472 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200L-40-70-1S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	160.0	77.4	48.7	39.1	28.0	9.6	0.0
-25°	146.6	73.7	48.0	38.6	27.3	9.4	0.0
-27.5°	132.0	69.7	47.2	38.0	26.5	9.2	0.0
-30°	116.1	65.3	46.3	37.3	25.6	9.0	0.0
-32.5°	98.9	60.5	45.3	36.6	24.7	8.8	0.0
-35°	89.2	55.4	44.3	35.9	23.7	8.5	0.0
-37.5°	82.7	51.4	43.2	35.1	22.6	8.2	0.0
-40°	75.8	50.0	42.1	34.2	21.5	8.0	0.0
-42.5°	68.6	48.5	40.9	33.4	20.3	7.7	0.0
-45°	61.0	46.9	39.7	32.4	19.0	7.4	0.0
-47.5°	53.1	45.3	38.4	31.4	17.7	7.0	0.0
-50°	50.1	43.6	37.0	29.6	16.3	6.7	0.0
-52.5°	48.0	41.8	35.6	27.5	14.9	6.3	0.0
-55°	45.8	40.0	34.2	25.3	13.4	6.0	0.0
-57.5°	43.6	38.1	32.7	23.1	11.9	5.6	0.0
-60°	41.2	36.2	31.0	20.7	10.4	5.2	0.0
-62.5°	38.9	34.2	27.9	18.3	9.6	4.8	0.0
-65°	36.5	32.2	24.6	15.9	8.8	4.4	0.0
-67.5°	34.0	29.1	21.3	13.4	8.0	4.0	0.0
-70°	31.5	24.9	17.9	10.9	7.1	3.6	0.0
-72.5°	26.7	20.6	14.5	9.4	6.2	3.1	0.0
-75°	21.6	16.3	11.0	8.1	5.4	2.7	0.0
-77.5°	16.3	11.9	9.0	6.7	4.5	2.3	0.0
-80°	11.0	9.0	7.2	5.4	3.6	1.8	0.0
-82.5°	8.1	6.7	5.4	4.1	2.7	1.4	0.0
-85°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-87.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)