

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



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: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-3000K-44**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-08-E-PRO-3000K-44  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 44 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39833.5 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 28.6°H x 28.6°V  
Beam Lumens: 19166.9 lumens  
Beam Efficiency: 48.1%

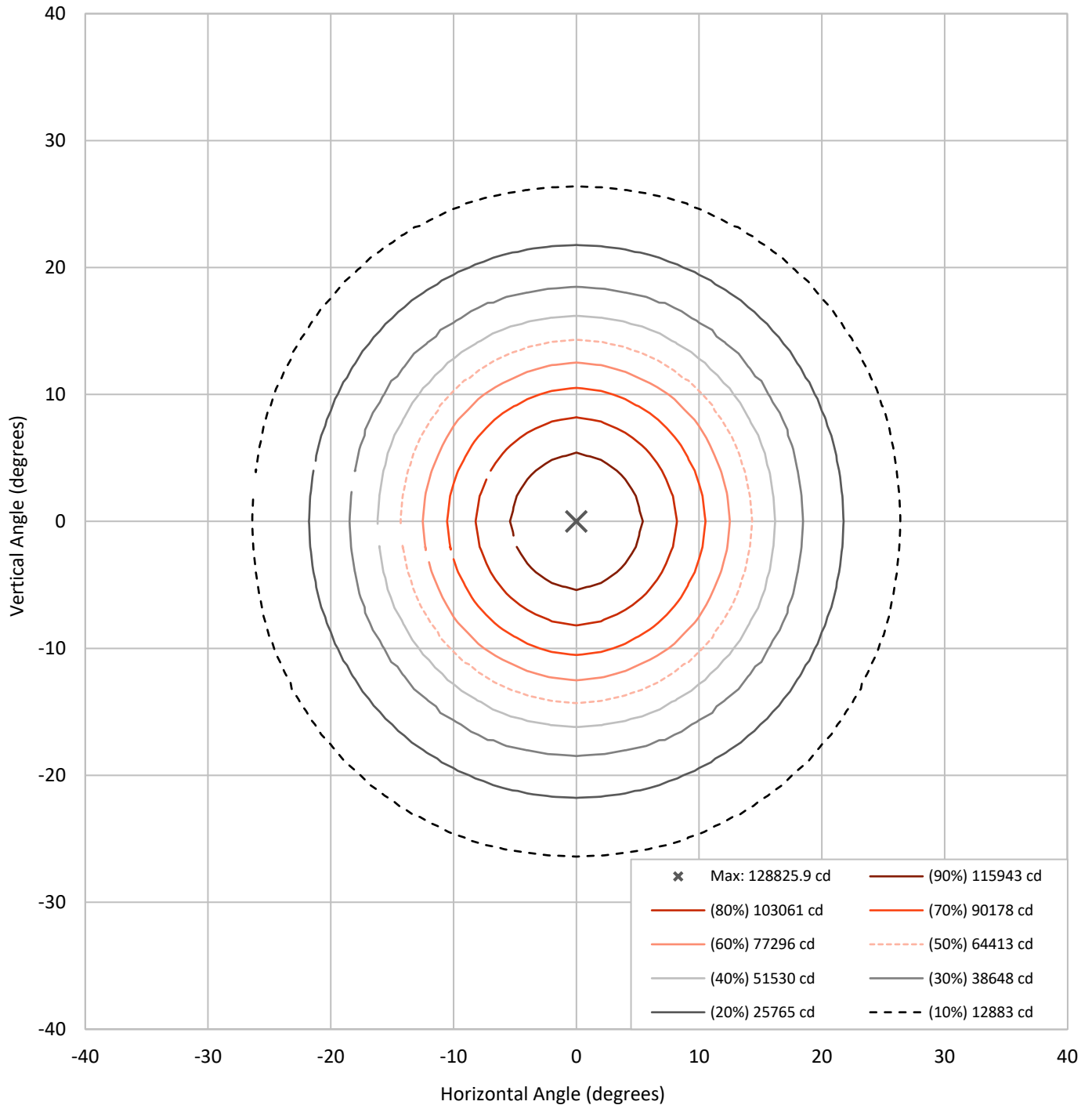
NEMA Type: 4H x 4V  
Max Intensity: 128825.9 candela  
Max Intensity Angle: 0°H x 0°V

Field Angle (10%): 52.7°H x 52.7°V  
Field Lumens: 32362.1 lumens  
Field Efficiency: 81.2%

Input Watts (W): 327  
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-VN-08-E-PRO-3000K-44

### Iso-Candela Plot





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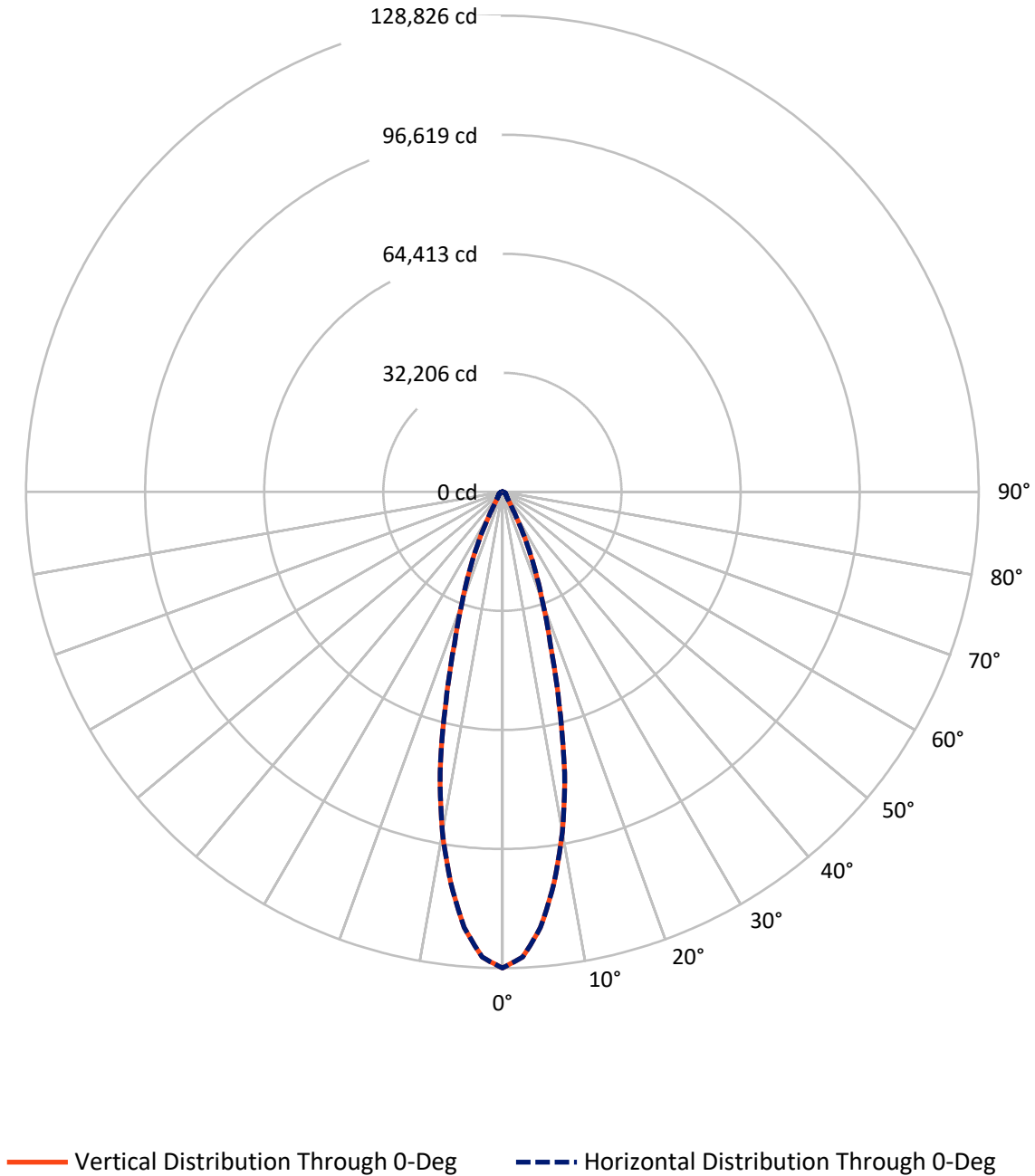
CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

### Lumen Table

90	0.9	6.8		17.2		27.4		31.6		27.4		17.2		6.8		0.9			
80	0.9	6.8		17.2		27.4		31.6		27.4		17.2		6.8		0.9			
70	3.1	3.2	6.6	10.9	15.3	19.3	22.2	23.8	23.8	22.2	19.3	15.3	10.9	6.6	3.2	3.1			
60		4.9	10.1	16.2	22.4	27.8	31.9	34.1	34.1	31.9	27.8	22.4	16.2	10.1	4.9				
50	5.3	6.6	13.2	20.8	28.5	36.2	43.2	47.6	47.6	43.2	36.2	28.5	20.8	13.2	6.6	5.3			
40		8.0	15.7	24.7	35.4	50.4	73.5	97.7	97.7	73.5	50.4	35.4	24.7	15.7	8.0				
30	7.0	9.1	17.7	28.3	45.6	95.6	262.1	474.7	474.7	262.1	95.6	45.6	28.3	17.7	9.1	7.0			
20		9.8	19.0	31.8	62.8	247.4	850.4	1641.1	1641.1	850.4	247.4	62.8	31.8	19.0	9.8				
10	7.6	10.2	19.8	34.0	81.2	435.8	1596.6	3148.2	3148.2	1596.6	435.8	81.2	34.0	19.8	10.2	7.6			
0		10.2	19.8	34.0	81.2	435.8	1596.6	3148.2	3148.2	1596.6	435.8	81.2	34.0	19.8	10.2				
-10	7.0	9.8	19.0	31.8	62.8	247.4	850.4	1641.1	1641.1	850.4	247.4	62.8	31.8	19.0	9.8	7.0			
-20		9.1	17.7	28.3	45.6	95.6	262.1	474.7	474.7	262.1	95.6	45.6	28.3	17.7	9.1				
-30	5.3	8.0	15.7	24.7	35.4	50.4	73.5	97.7	97.7	73.5	50.4	35.4	24.7	15.7	8.0	5.3			
-40		6.6	13.2	20.8	28.5	36.2	43.2	47.6	47.6	43.2	36.2	28.5	20.8	13.2	6.6				
-50	3.1	4.9	10.1	16.2	22.4	27.8	31.9	34.1	34.1	31.9	27.8	22.4	16.2	10.1	4.9	3.1			
-60		3.2	6.6	10.9	15.3	19.3	22.2	23.8	23.8	22.2	19.3	15.3	10.9	6.6	3.2				
-70	0.9	6.8		17.2		27.4		31.6		27.4		17.2		6.8		0.9			
-80		6.8		17.2		27.4		31.6		27.4		17.2		6.8					
-90	0.9	6.8		17.2		27.4		31.6		27.4		17.2		6.8		0.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

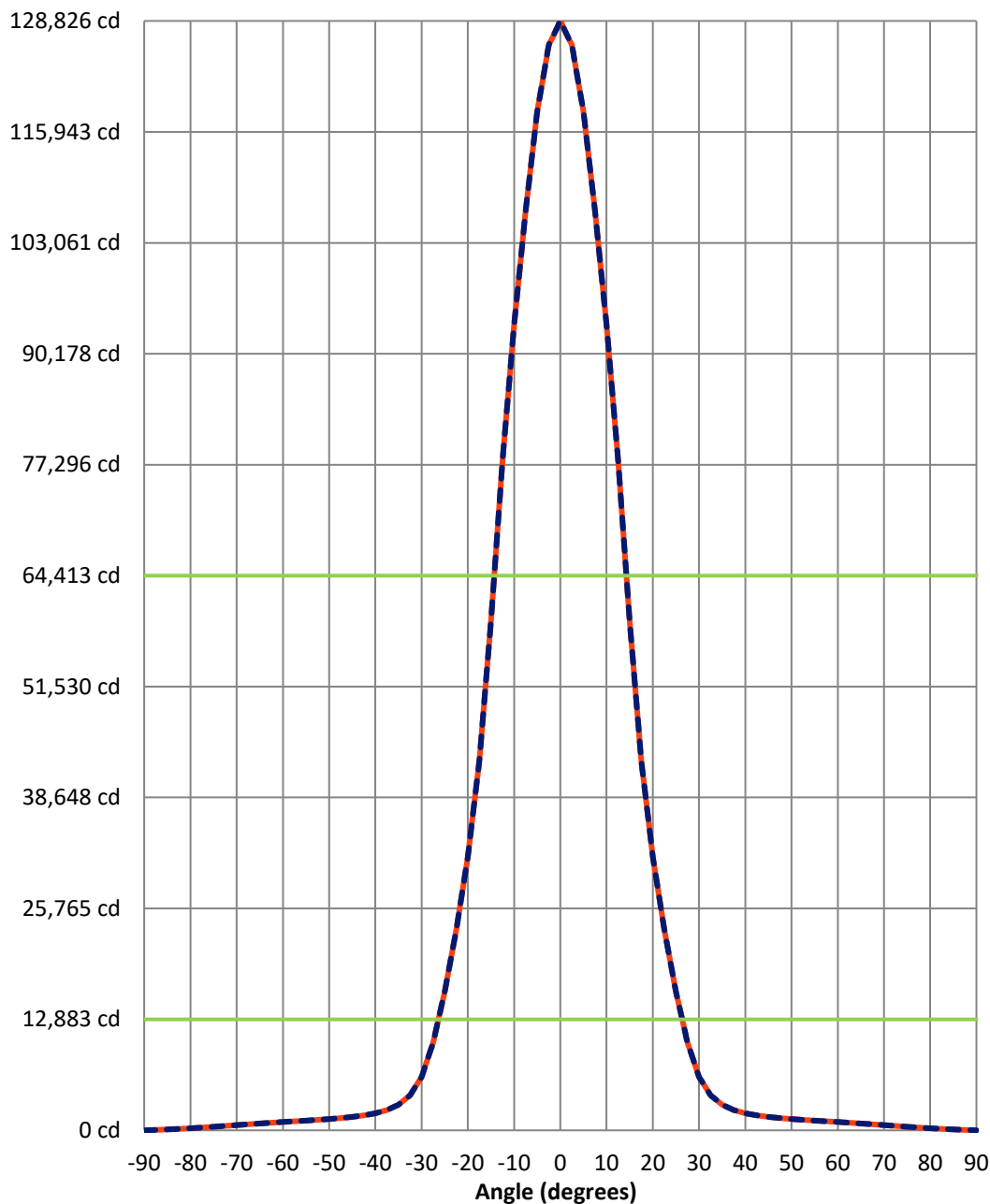
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.6°  
 V Angle: 28.6°  
 Lumens: 19166.9  
 Efficiency: 48.1%

**Field:**  
 H Angle: 52.7°  
 V Angle: 52.7°  
 Lumens: 32362.1  
 Efficiency: 81.2%

**Spill:**  
 Lumens: 7471.4  
 Efficiency: 18.8%

- 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°	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	2.0	4.0	6.0	7.9	9.9	11.8	13.7	15.6	17.5	19.3
85°	0.0	4.0	8.0	11.9	15.9	19.8	23.6	27.5	31.2	34.9	38.6
82.5°	0.0	6.0	11.9	17.8	23.7	29.6	35.4	41.1	47.1	54.1	61.1
80°	0.0	7.9	15.9	23.7	31.6	39.4	47.5	57.2	66.7	76.2	85.4
77.5°	0.0	9.9	19.8	29.6	39.4	50.0	62.2	74.3	86.3	98.0	110.0
75°	0.0	11.8	23.6	35.4	47.5	62.2	76.9	91.3	105.8	120.9	135.7
72.5°	0.0	13.7	27.5	41.1	57.2	74.3	91.3	108.5	126.3	143.9	161.2
70°	0.0	15.6	31.2	47.1	66.7	86.3	105.8	126.3	146.7	166.8	189.1
67.5°	0.0	17.5	34.9	54.1	76.2	98.0	120.9	143.9	166.8	192.2	217.2
65°	0.0	19.3	38.6	61.1	85.4	110.0	135.7	161.2	189.1	217.2	246.4
62.5°	0.0	21.1	42.2	67.9	94.5	122.2	150.3	179.8	211.0	242.7	278.4
60°	0.0	22.8	45.7	74.6	103.4	134.1	164.6	198.6	232.5	271.0	309.8
57.5°	0.0	24.5	50.0	81.1	112.6	145.7	180.1	217.0	256.4	298.7	342.6
55°	0.0	26.2	54.2	87.4	121.7	157.0	195.5	234.9	280.4	326.4	375.7
52.5°	0.0	27.8	58.3	93.5	130.5	168.2	210.4	255.0	303.8	355.3	407.8
50°	0.0	29.4	62.2	99.4	139.0	180.2	224.8	274.8	327.1	383.4	441.6
47.5°	0.0	30.9	66.0	105.3	147.2	191.8	239.1	294.0	351.2	410.6	474.6
45°	0.0	32.3	69.7	111.2	155.0	203.0	254.9	312.4	374.5	439.1	506.4
42.5°	0.0	33.7	73.2	116.8	162.6	213.7	270.0	331.1	396.8	466.6	535.9
40°	0.0	35.0	76.6	122.2	170.3	223.9	284.5	349.7	418.7	492.8	564.0
37.5°	0.0	36.3	79.7	127.4	178.0	233.6	298.2	367.4	440.9	517.6	590.8
35°	0.0	37.4	82.7	132.2	185.3	243.9	311.2	384.1	461.9	540.3	616.2
32.5°	0.0	38.5	85.6	136.8	192.2	254.0	323.8	399.9	481.6	561.7	640.2
30°	0.0	39.6	88.2	141.0	198.7	263.5	336.3	415.0	500.1	581.8	662.6
27.5°	0.0	40.5	90.6	144.9	204.6	272.3	348.0	429.9	517.0	600.5	683.5
25°	0.0	41.4	92.9	148.6	210.1	280.4	358.8	443.7	532.2	617.7	702.7
22.5°	0.0	42.2	94.9	151.9	215.1	287.8	368.6	456.3	546.1	633.4	718.8
20°	0.0	42.9	96.8	154.9	219.6	294.4	377.4	467.6	558.6	647.6	733.4
17.5°	0.0	43.6	98.4	157.5	223.6	300.3	385.3	477.6	569.7	660.2	746.3
15°	0.0	44.1	99.8	159.8	227.1	305.4	392.1	486.4	579.4	671.2	757.6
12.5°	0.0	44.6	101.0	161.7	230.0	309.8	397.9	493.8	587.6	680.6	767.2
10°	0.0	45.0	102.0	163.3	232.5	313.4	402.7	500.0	594.4	688.2	775.1
7.5°	0.0	45.3	102.8	164.6	234.4	316.2	406.4	504.7	599.7	694.2	781.2
5°	0.0	45.5	103.4	165.5	235.7	318.2	409.1	508.2	603.5	698.6	785.7
2.5°	0.0	45.7	103.7	166.0	236.5	319.4	410.7	510.2	605.7	701.1	788.3
0°	0.0	45.7	103.8	166.2	236.8	319.8	411.2	510.9	606.5	702.0	789.2
-2.5°	0.0	45.7	103.7	166.0	236.5	319.4	410.7	510.2	605.7	701.1	788.3
-5°	0.0	45.5	103.4	165.5	235.7	318.2	409.1	508.2	603.5	698.6	785.7
-7.5°	0.0	45.3	102.8	164.6	234.4	316.2	406.4	504.7	599.7	694.2	781.2
-10°	0.0	45.0	102.0	163.3	232.5	313.4	402.7	500.0	594.4	688.2	775.1
-12.5°	0.0	44.6	101.0	161.7	230.0	309.8	397.9	493.8	587.6	680.6	767.2
-15°	0.0	44.1	99.8	159.8	227.1	305.4	392.1	486.4	579.4	671.2	757.6
-17.5°	0.0	43.6	98.4	157.5	223.6	300.3	385.3	477.6	569.7	660.2	746.3
-20°	0.0	42.9	96.8	154.9	219.6	294.4	377.4	467.6	558.6	647.6	733.4

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Scaled Data Report



REPORT NUMBER: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	42.2	94.9	151.9	215.1	287.8	368.6	456.3	546.1	633.4	718.8
-25°	0.0	41.4	92.9	148.6	210.1	280.4	358.8	443.7	532.2	617.7	702.7
-27.5°	0.0	40.5	90.6	144.9	204.6	272.3	348.0	429.9	517.0	600.5	683.5
-30°	0.0	39.6	88.2	141.0	198.7	263.5	336.3	415.0	500.1	581.8	662.6
-32.5°	0.0	38.5	85.6	136.8	192.2	254.0	323.8	399.9	481.6	561.7	640.2
-35°	0.0	37.4	82.7	132.2	185.3	243.9	311.2	384.1	461.9	540.3	616.2
-37.5°	0.0	36.3	79.7	127.4	178.0	233.6	298.2	367.4	440.9	517.6	590.8
-40°	0.0	35.0	76.6	122.2	170.3	223.9	284.5	349.7	418.7	492.8	564.0
-42.5°	0.0	33.7	73.2	116.8	162.6	213.7	270.0	331.1	396.8	466.6	535.9
-45°	0.0	32.3	69.7	111.2	155.0	203.0	254.9	312.4	374.5	439.1	506.4
-47.5°	0.0	30.9	66.0	105.3	147.2	191.8	239.1	294.0	351.2	410.6	474.6
-50°	0.0	29.4	62.2	99.4	139.0	180.2	224.8	274.8	327.1	383.4	441.6
-52.5°	0.0	27.8	58.3	93.5	130.5	168.2	210.4	255.0	303.8	355.3	407.8
-55°	0.0	26.2	54.2	87.4	121.7	157.0	195.5	234.9	280.4	326.4	375.7
-57.5°	0.0	24.5	50.0	81.1	112.6	145.7	180.1	217.0	256.4	298.7	342.6
-60°	0.0	22.8	45.7	74.6	103.4	134.1	164.6	198.6	232.5	271.0	309.8
-62.5°	0.0	21.1	42.2	67.9	94.5	122.2	150.3	179.8	211.0	242.7	278.4
-65°	0.0	19.3	38.6	61.1	85.4	110.0	135.7	161.2	189.1	217.2	246.4
-67.5°	0.0	17.5	34.9	54.1	76.2	98.0	120.9	143.9	166.8	192.2	217.2
-70°	0.0	15.6	31.2	47.1	66.7	86.3	105.8	126.3	146.7	166.8	189.1
-72.5°	0.0	13.7	27.5	41.1	57.2	74.3	91.3	108.5	126.3	143.9	161.2
-75°	0.0	11.8	23.6	35.4	47.5	62.2	76.9	91.3	105.8	120.9	135.7
-77.5°	0.0	9.9	19.8	29.6	39.4	50.0	62.2	74.3	86.3	98.0	110.0
-80°	0.0	7.9	15.9	23.7	31.6	39.4	47.5	57.2	66.7	76.2	85.4
-82.5°	0.0	6.0	11.9	17.8	23.7	29.6	35.4	41.1	47.1	54.1	61.1
-85°	0.0	4.0	8.0	11.9	15.9	19.8	23.6	27.5	31.2	34.9	38.6
-87.5°	0.0	2.0	4.0	6.0	7.9	9.9	11.8	13.7	15.6	17.5	19.3
-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°	21.1	22.8	24.5	26.2	27.8	29.4	30.9	32.3	33.7	35.0	36.3
85°	42.2	45.7	50.0	54.2	58.3	62.2	66.0	69.7	73.2	76.6	79.7
82.5°	67.9	74.6	81.1	87.4	93.5	99.4	105.3	111.2	116.8	122.2	127.4
80°	94.5	103.4	112.6	121.7	130.5	139.0	147.2	155.0	162.6	170.3	178.0
77.5°	122.2	134.1	145.7	157.0	168.2	180.2	191.8	203.0	213.7	223.9	233.6
75°	150.3	164.6	180.1	195.5	210.4	224.8	239.1	254.9	270.0	284.5	298.2
72.5°	179.8	198.6	217.0	234.9	255.0	274.8	294.0	312.4	331.1	349.7	367.4
70°	211.0	232.5	256.4	280.4	303.8	327.1	351.2	374.5	396.8	418.7	440.9
67.5°	242.7	271.0	298.7	326.4	355.3	383.4	410.6	439.1	466.6	492.8	517.6
65°	278.4	309.8	342.6	375.7	407.8	441.6	474.6	506.4	535.9	564.0	590.8
62.5°	313.5	350.8	388.0	425.5	464.1	501.6	536.8	570.4	602.8	633.8	663.4
60°	350.8	392.1	434.5	477.6	519.3	558.6	596.7	633.4	668.8	702.7	732.4
57.5°	388.0	434.5	482.2	528.1	571.8	614.3	655.6	695.5	731.2	765.0	797.6
55°	425.5	477.6	528.1	576.2	623.2	668.9	712.4	751.8	789.8	828.1	864.8
52.5°	464.1	519.3	571.8	623.2	673.4	720.7	764.3	807.4	850.2	891.5	931.0
50°	501.6	558.6	614.3	668.9	720.7	768.4	816.2	863.6	909.4	953.7	991.8
47.5°	536.8	596.7	655.6	712.4	764.3	816.2	868.0	918.5	967.4	1006.9	1044.1
45°	570.4	633.4	695.5	751.8	807.4	863.6	918.5	972.0	1014.5	1056.2	1098.1
42.5°	602.8	668.8	731.2	789.8	850.2	909.4	967.4	1014.5	1060.3	1106.4	1154.9
40°	633.8	702.7	765.0	828.1	891.5	953.7	1006.9	1056.2	1106.4	1159.8	1214.4
37.5°	663.4	732.4	797.6	864.8	931.0	991.8	1044.1	1098.1	1154.9	1214.4	1272.1
35°	691.5	760.5	829.9	899.8	968.8	1025.0	1081.6	1140.2	1204.4	1267.0	1332.3
32.5°	716.6	787.2	860.4	932.9	998.7	1057.2	1117.3	1184.6	1251.7	1319.5	1398.1
30°	739.4	813.3	889.0	964.1	1026.4	1088.6	1155.3	1226.6	1296.7	1378.4	1469.9
27.5°	760.5	837.7	915.8	989.4	1052.5	1118.2	1192.1	1266.2	1346.2	1437.3	1542.7
25°	780.1	860.4	940.6	1011.5	1077.9	1148.8	1226.4	1303.1	1394.9	1501.2	1627.3
22.5°	798.4	881.1	963.3	1031.8	1101.2	1178.0	1258.0	1343.8	1444.4	1561.3	1710.3
20°	815.4	899.8	981.7	1050.4	1122.3	1204.6	1286.8	1382.1	1494.8	1632.1	1804.0
17.5°	830.4	916.4	996.7	1067.7	1143.7	1228.4	1313.6	1416.4	1540.2	1696.0	1897.1
15°	843.6	931.0	1009.8	1082.9	1162.9	1249.3	1341.4	1452.4	1587.0	1758.1	1980.9
12.5°	854.8	943.4	1021.0	1095.9	1179.3	1267.1	1365.3	1484.1	1631.9	1823.8	2092.7
10°	864.1	953.7	1030.3	1106.5	1192.8	1281.9	1385.0	1510.3	1669.0	1878.3	2185.8
7.5°	871.3	961.7	1037.5	1114.9	1203.4	1293.4	1400.5	1530.9	1698.3	1921.2	2259.3
5°	876.5	967.4	1042.6	1120.9	1211.0	1301.7	1411.6	1545.8	1719.3	1952.2	2312.4
2.5°	879.6	970.8	1045.8	1124.5	1215.6	1306.7	1418.4	1554.7	1732.1	1970.9	2344.5
0°	880.6	972.0	1046.8	1125.7	1217.1	1308.4	1420.6	1557.7	1736.3	1977.2	2355.2
-2.5°	879.6	970.8	1045.8	1124.5	1215.6	1306.7	1418.4	1554.7	1732.1	1970.9	2344.5
-5°	876.5	967.4	1042.6	1120.9	1211.0	1301.7	1411.6	1545.8	1719.3	1952.2	2312.4
-7.5°	871.3	961.7	1037.5	1114.9	1203.4	1293.4	1400.5	1530.9	1698.3	1921.2	2259.3
-10°	864.1	953.7	1030.3	1106.5	1192.8	1281.9	1385.0	1510.3	1669.0	1878.3	2185.8
-12.5°	854.8	943.4	1021.0	1095.9	1179.3	1267.1	1365.3	1484.1	1631.9	1823.8	2092.7
-15°	843.6	931.0	1009.8	1082.9	1162.9	1249.3	1341.4	1452.4	1587.0	1758.1	1980.9
-17.5°	830.4	916.4	996.7	1067.7	1143.7	1228.4	1313.6	1416.4	1540.2	1696.0	1897.1
-20°	815.4	899.8	981.7	1050.4	1122.3	1204.6	1286.8	1382.1	1494.8	1632.1	1804.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	798.4	881.1	963.3	1031.8	1101.2	1178.0	1258.0	1343.8	1444.4	1561.3	1710.3
-25°	780.1	860.4	940.6	1011.5	1077.9	1148.8	1226.4	1303.1	1394.9	1501.2	1627.3
-27.5°	760.5	837.7	915.8	989.4	1052.5	1118.2	1192.1	1266.2	1346.2	1437.3	1542.7
-30°	739.4	813.3	889.0	964.1	1026.4	1088.6	1155.3	1226.6	1296.7	1378.4	1469.9
-32.5°	716.6	787.2	860.4	932.9	998.7	1057.2	1117.3	1184.6	1251.7	1319.5	1398.1
-35°	691.5	760.5	829.9	899.8	968.8	1025.0	1081.6	1140.2	1204.4	1267.0	1332.3
-37.5°	663.4	732.4	797.6	864.8	931.0	991.8	1044.1	1098.1	1154.9	1214.4	1272.1
-40°	633.8	702.7	765.0	828.1	891.5	953.7	1006.9	1056.2	1106.4	1159.8	1214.4
-42.5°	602.8	668.8	731.2	789.8	850.2	909.4	967.4	1014.5	1060.3	1106.4	1154.9
-45°	570.4	633.4	695.5	751.8	807.4	863.6	918.5	972.0	1014.5	1056.2	1098.1
-47.5°	536.8	596.7	655.6	712.4	764.3	816.2	868.0	918.5	967.4	1006.9	1044.1
-50°	501.6	558.6	614.3	668.9	720.7	768.4	816.2	863.6	909.4	953.7	991.8
-52.5°	464.1	519.3	571.8	623.2	673.4	720.7	764.3	807.4	850.2	891.5	931.0
-55°	425.5	477.6	528.1	576.2	623.2	668.9	712.4	751.8	789.8	828.1	864.8
-57.5°	388.0	434.5	482.2	528.1	571.8	614.3	655.6	695.5	731.2	765.0	797.6
-60°	350.8	392.1	434.5	477.6	519.3	558.6	596.7	633.4	668.8	702.7	732.4
-62.5°	313.5	350.8	388.0	425.5	464.1	501.6	536.8	570.4	602.8	633.8	663.4
-65°	278.4	309.8	342.6	375.7	407.8	441.6	474.6	506.4	535.9	564.0	590.8
-67.5°	242.7	271.0	298.7	326.4	355.3	383.4	410.6	439.1	466.6	492.8	517.6
-70°	211.0	232.5	256.4	280.4	303.8	327.1	351.2	374.5	396.8	418.7	440.9
-72.5°	179.8	198.6	217.0	234.9	255.0	274.8	294.0	312.4	331.1	349.7	367.4
-75°	150.3	164.6	180.1	195.5	210.4	224.8	239.1	254.9	270.0	284.5	298.2
-77.5°	122.2	134.1	145.7	157.0	168.2	180.2	191.8	203.0	213.7	223.9	233.6
-80°	94.5	103.4	112.6	121.7	130.5	139.0	147.2	155.0	162.6	170.3	178.0
-82.5°	67.9	74.6	81.1	87.4	93.5	99.4	105.3	111.2	116.8	122.2	127.4
-85°	42.2	45.7	50.0	54.2	58.3	62.2	66.0	69.7	73.2	76.6	79.7
-87.5°	21.1	22.8	24.5	26.2	27.8	29.4	30.9	32.3	33.7	35.0	36.3
-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: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**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°	37.4	38.5	39.6	40.5	41.4	42.2	42.9	43.6	44.1	44.6	45.0
85°	82.7	85.6	88.2	90.6	92.9	94.9	96.8	98.4	99.8	101.0	102.0
82.5°	132.2	136.8	141.0	144.9	148.6	151.9	154.9	157.5	159.8	161.7	163.3
80°	185.3	192.2	198.7	204.6	210.1	215.1	219.6	223.6	227.1	230.0	232.5
77.5°	243.9	254.0	263.5	272.3	280.4	287.8	294.4	300.3	305.4	309.8	313.4
75°	311.2	323.8	336.3	348.0	358.8	368.6	377.4	385.3	392.1	397.9	402.7
72.5°	384.1	399.9	415.0	429.9	443.7	456.3	467.6	477.6	486.4	493.8	500.0
70°	461.9	481.6	500.1	517.0	532.2	546.1	558.6	569.7	579.4	587.6	594.4
67.5°	540.3	561.7	581.8	600.5	617.7	633.4	647.6	660.2	671.2	680.6	688.2
65°	616.2	640.2	662.6	683.5	702.7	718.8	733.4	746.3	757.6	767.2	775.1
62.5°	691.5	716.6	739.4	760.5	780.1	798.4	815.4	830.4	843.6	854.8	864.1
60°	760.5	787.2	813.3	837.7	860.4	881.1	899.8	916.4	931.0	943.4	953.7
57.5°	829.9	860.4	889.0	915.8	940.6	963.3	981.7	996.7	1009.8	1021.0	1030.3
55°	899.8	932.9	964.1	989.4	1011.5	1031.8	1050.4	1067.7	1082.9	1095.9	1106.5
52.5°	968.8	998.7	1026.4	1052.5	1077.9	1101.2	1122.3	1143.7	1162.9	1179.3	1192.8
50°	1025.0	1057.2	1088.6	1118.2	1148.8	1178.0	1204.6	1228.4	1249.3	1267.1	1281.9
47.5°	1081.6	1117.3	1155.3	1192.1	1226.4	1258.0	1286.8	1313.6	1341.4	1365.3	1385.0
45°	1140.2	1184.6	1226.6	1266.2	1303.1	1343.8	1382.1	1416.4	1452.4	1484.1	1510.3
42.5°	1204.4	1251.7	1296.7	1346.2	1394.9	1444.4	1494.8	1540.2	1587.0	1631.9	1669.0
40°	1267.0	1319.5	1378.4	1437.3	1501.2	1561.3	1632.1	1696.0	1758.1	1823.8	1878.3
37.5°	1332.3	1398.1	1469.9	1542.7	1627.3	1710.3	1804.0	1897.1	1980.9	2092.7	2185.8
35°	1404.7	1486.3	1571.0	1672.1	1778.4	1898.4	2027.3	2185.0	2325.2	2504.9	2671.0
32.5°	1486.3	1582.1	1694.9	1825.5	1962.9	2156.6	2343.5	2614.7	2863.5	3161.9	3484.1
30°	1571.0	1694.9	1841.4	2006.0	2235.8	2513.6	2842.6	3275.4	3755.3	4266.9	4948.6
27.5°	1672.1	1825.5	2006.0	2262.4	2603.9	2989.0	3617.8	4309.0	5317.4	6201.9	7601.2
25°	1778.4	1962.9	2235.8	2603.9	3073.0	3792.3	4834.9	6043.7	7958.6	9773.8	11845.7
22.5°	1898.4	2156.6	2513.6	2989.0	3792.3	5012.7	6599.2	9050.2	11803.7	14741.2	17501.5
20°	2027.3	2343.5	2842.6	3617.8	4834.9	6599.2	9420.5	12953.9	16646.0	20567.1	24076.4
17.5°	2185.0	2614.7	3275.4	4309.0	6043.7	9050.2	12953.9	17395.5	22156.4	27058.7	31524.8
15°	2325.2	2863.5	3755.3	5317.4	7958.6	11803.7	16646.0	22156.4	28081.6	34332.3	40926.7
12.5°	2504.9	3161.9	4266.9	6201.9	9773.8	14741.2	20567.1	27058.7	34332.3	42528.4	52957.4
10°	2671.0	3484.1	4948.6	7601.2	11845.7	17501.5	24076.4	31524.8	40926.7	52957.4	65805.2
7.5°	2802.3	3739.6	5491.2	8722.3	13675.9	19973.2	27349.4	36307.7	47963.7	62519.3	77928.2
5°	2897.3	3924.9	5885.7	9540.4	15017.4	21795.4	29781.0	39962.3	54020.0	70712.4	86148.1
2.5°	2954.8	4037.3	6125.4	10038.6	15836.9	22913.4	31281.5	42235.9	57833.1	75966.8	91579.1
0°	2974.1	4074.9	6205.8	10205.9	16112.6	23290.3	31789.0	43008.4	59137.6	77784.0	93493.7
-2.5°	2954.8	4037.3	6125.4	10038.6	15836.9	22913.4	31281.5	42235.9	57833.1	75966.8	91579.1
-5°	2897.3	3924.9	5885.7	9540.4	15017.4	21795.4	29781.0	39962.3	54020.0	70712.4	86148.1
-7.5°	2802.3	3739.6	5491.2	8722.3	13675.9	19973.2	27349.4	36307.7	47963.7	62519.3	77928.2
-10°	2671.0	3484.1	4948.6	7601.2	11845.7	17501.5	24076.4	31524.8	40926.7	52957.4	65805.2
-12.5°	2504.9	3161.9	4266.9	6201.9	9773.8	14741.2	20567.1	27058.7	34332.3	42528.4	52957.4
-15°	2325.2	2863.5	3755.3	5317.4	7958.6	11803.7	16646.0	22156.4	28081.6	34332.3	40926.7
-17.5°	2185.0	2614.7	3275.4	4309.0	6043.7	9050.2	12953.9	17395.5	22156.4	27058.7	31524.8
-20°	2027.3	2343.5	2842.6	3617.8	4834.9	6599.2	9420.5	12953.9	16646.0	20567.1	24076.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1898.4	2156.6	2513.6	2989.0	3792.3	5012.7	6599.2	9050.2	11803.7	14741.2	17501.5
-25°	1778.4	1962.9	2235.8	2603.9	3073.0	3792.3	4834.9	6043.7	7958.6	9773.8	11845.7
-27.5°	1672.1	1825.5	2006.0	2262.4	2603.9	2989.0	3617.8	4309.0	5317.4	6201.9	7601.2
-30°	1571.0	1694.9	1841.4	2006.0	2235.8	2513.6	2842.6	3275.4	3755.3	4266.9	4948.6
-32.5°	1486.3	1582.1	1694.9	1825.5	1962.9	2156.6	2343.5	2614.7	2863.5	3161.9	3484.1
-35°	1404.7	1486.3	1571.0	1672.1	1778.4	1898.4	2027.3	2185.0	2325.2	2504.9	2671.0
-37.5°	1332.3	1398.1	1469.9	1542.7	1627.3	1710.3	1804.0	1897.1	1980.9	2092.7	2185.8
-40°	1267.0	1319.5	1378.4	1437.3	1501.2	1561.3	1632.1	1696.0	1758.1	1823.8	1878.3
-42.5°	1204.4	1251.7	1296.7	1346.2	1394.9	1444.4	1494.8	1540.2	1587.0	1631.9	1669.0
-45°	1140.2	1184.6	1226.6	1266.2	1303.1	1343.8	1382.1	1416.4	1452.4	1484.1	1510.3
-47.5°	1081.6	1117.3	1155.3	1192.1	1226.4	1258.0	1286.8	1313.6	1341.4	1365.3	1385.0
-50°	1025.0	1057.2	1088.6	1118.2	1148.8	1178.0	1204.6	1228.4	1249.3	1267.1	1281.9
-52.5°	968.8	998.7	1026.4	1052.5	1077.9	1101.2	1122.3	1143.7	1162.9	1179.3	1192.8
-55°	899.8	932.9	964.1	989.4	1011.5	1031.8	1050.4	1067.7	1082.9	1095.9	1106.5
-57.5°	829.9	860.4	889.0	915.8	940.6	963.3	981.7	996.7	1009.8	1021.0	1030.3
-60°	760.5	787.2	813.3	837.7	860.4	881.1	899.8	916.4	931.0	943.4	953.7
-62.5°	691.5	716.6	739.4	760.5	780.1	798.4	815.4	830.4	843.6	854.8	864.1
-65°	616.2	640.2	662.6	683.5	702.7	718.8	733.4	746.3	757.6	767.2	775.1
-67.5°	540.3	561.7	581.8	600.5	617.7	633.4	647.6	660.2	671.2	680.6	688.2
-70°	461.9	481.6	500.1	517.0	532.2	546.1	558.6	569.7	579.4	587.6	594.4
-72.5°	384.1	399.9	415.0	429.9	443.7	456.3	467.6	477.6	486.4	493.8	500.0
-75°	311.2	323.8	336.3	348.0	358.8	368.6	377.4	385.3	392.1	397.9	402.7
-77.5°	243.9	254.0	263.5	272.3	280.4	287.8	294.4	300.3	305.4	309.8	313.4
-80°	185.3	192.2	198.7	204.6	210.1	215.1	219.6	223.6	227.1	230.0	232.5
-82.5°	132.2	136.8	141.0	144.9	148.6	151.9	154.9	157.5	159.8	161.7	163.3
-85°	82.7	85.6	88.2	90.6	92.9	94.9	96.8	98.4	99.8	101.0	102.0
-87.5°	37.4	38.5	39.6	40.5	41.4	42.2	42.9	43.6	44.1	44.6	45.0
-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: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**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°	45.3	45.5	45.7	45.7	45.7	45.5	45.3	45.0	44.6	44.1	43.6
85°	102.8	103.4	103.7	103.8	103.7	103.4	102.8	102.0	101.0	99.8	98.4
82.5°	164.6	165.5	166.0	166.2	166.0	165.5	164.6	163.3	161.7	159.8	157.5
80°	234.4	235.7	236.5	236.8	236.5	235.7	234.4	232.5	230.0	227.1	223.6
77.5°	316.2	318.2	319.4	319.8	319.4	318.2	316.2	313.4	309.8	305.4	300.3
75°	406.4	409.1	410.7	411.2	410.7	409.1	406.4	402.7	397.9	392.1	385.3
72.5°	504.7	508.2	510.2	510.9	510.2	508.2	504.7	500.0	493.8	486.4	477.6
70°	599.7	603.5	605.7	606.5	605.7	603.5	599.7	594.4	587.6	579.4	569.7
67.5°	694.2	698.6	701.1	702.0	701.1	698.6	694.2	688.2	680.6	671.2	660.2
65°	781.2	785.7	788.3	789.2	788.3	785.7	781.2	775.1	767.2	757.6	746.3
62.5°	871.3	876.5	879.6	880.6	879.6	876.5	871.3	864.1	854.8	843.6	830.4
60°	961.7	967.4	970.8	972.0	970.8	967.4	961.7	953.7	943.4	931.0	916.4
57.5°	1037.5	1042.6	1045.8	1046.8	1045.8	1042.6	1037.5	1030.3	1021.0	1009.8	996.7
55°	1114.9	1120.9	1124.5	1125.7	1124.5	1120.9	1114.9	1106.5	1095.9	1082.9	1067.7
52.5°	1203.4	1211.0	1215.6	1217.1	1215.6	1211.0	1203.4	1192.8	1179.3	1162.9	1143.7
50°	1293.4	1301.7	1306.7	1308.4	1306.7	1301.7	1293.4	1281.9	1267.1	1249.3	1228.4
47.5°	1400.5	1411.6	1418.4	1420.6	1418.4	1411.6	1400.5	1385.0	1365.3	1341.4	1313.6
45°	1530.9	1545.8	1554.7	1557.7	1554.7	1545.8	1530.9	1510.3	1484.1	1452.4	1416.4
42.5°	1698.3	1719.3	1732.1	1736.3	1732.1	1719.3	1698.3	1669.0	1631.9	1587.0	1540.2
40°	1921.2	1952.2	1970.9	1977.2	1970.9	1952.2	1921.2	1878.3	1823.8	1758.1	1696.0
37.5°	2259.3	2312.4	2344.5	2355.2	2344.5	2312.4	2259.3	2185.8	2092.7	1980.9	1897.1
35°	2802.3	2897.3	2954.8	2974.1	2954.8	2897.3	2802.3	2671.0	2504.9	2325.2	2185.0
32.5°	3739.6	3924.9	4037.3	4074.9	4037.3	3924.9	3739.6	3484.1	3161.9	2863.5	2614.7
30°	5491.2	5885.7	6125.4	6205.8	6125.4	5885.7	5491.2	4948.6	4266.9	3755.3	3275.4
27.5°	8722.3	9540.4	10038.6	10205.9	10038.6	9540.4	8722.3	7601.2	6201.9	5317.4	4309.0
25°	13675.9	15017.4	15836.9	16112.6	15836.9	15017.4	13675.9	11845.7	9773.8	7958.6	6043.7
22.5°	19973.2	21795.4	22913.4	23290.3	22913.4	21795.4	19973.2	17501.5	14741.2	11803.7	9050.2
20°	27349.4	29781.0	31281.5	31789.0	31281.5	29781.0	27349.4	24076.4	20567.1	16646.0	12953.9
17.5°	36307.7	39962.3	42235.9	43008.4	42235.9	39962.3	36307.7	31524.8	27058.7	22156.4	17395.5
15°	47963.7	54020.0	57833.1	59137.6	57833.1	54020.0	47963.7	40926.7	34332.3	28081.6	22156.4
12.5°	62519.3	70712.4	75966.8	77784.0	75966.8	70712.4	62519.3	52957.4	42528.4	34332.3	27058.7
10°	77928.2	86148.1	91579.1	93493.7	91579.1	86148.1	77928.2	65805.2	52957.4	40926.7	31524.8
7.5°	89777.3	98770.7	104623.5	106765.1	104623.5	98770.7	89777.3	77928.2	62519.3	47963.7	36307.7
5°	98770.7	108763.5	115577.3	118291.8	115577.3	108763.5	98770.7	86148.1	70712.4	54020.0	39962.3
2.5°	104623.5	115577.3	122804.8	125993.0	122804.8	115577.3	104623.5	91579.1	75966.8	57833.1	42235.9
0°	106765.1	118291.8	125993.0	128825.9	125993.0	118291.8	106765.1	93493.7	77784.0	59137.6	43008.4
-2.5°	104623.5	115577.3	122804.8	125993.0	122804.8	115577.3	104623.5	91579.1	75966.8	57833.1	42235.9
-5°	98770.7	108763.5	115577.3	118291.8	115577.3	108763.5	98770.7	86148.1	70712.4	54020.0	39962.3
-7.5°	89777.3	98770.7	104623.5	106765.1	104623.5	98770.7	89777.3	77928.2	62519.3	47963.7	36307.7
-10°	77928.2	86148.1	91579.1	93493.7	91579.1	86148.1	77928.2	65805.2	52957.4	40926.7	31524.8
-12.5°	62519.3	70712.4	75966.8	77784.0	75966.8	70712.4	62519.3	52957.4	42528.4	34332.3	27058.7
-15°	47963.7	54020.0	57833.1	59137.6	57833.1	54020.0	47963.7	40926.7	34332.3	28081.6	22156.4
-17.5°	36307.7	39962.3	42235.9	43008.4	42235.9	39962.3	36307.7	31524.8	27058.7	22156.4	17395.5
-20°	27349.4	29781.0	31281.5	31789.0	31281.5	29781.0	27349.4	24076.4	20567.1	16646.0	12953.9

Classified

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

Scaled Data Report



REPORT NUMBER: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19973.2	21795.4	22913.4	23290.3	22913.4	21795.4	19973.2	17501.5	14741.2	11803.7	9050.2
-25°	13675.9	15017.4	15836.9	16112.6	15836.9	15017.4	13675.9	11845.7	9773.8	7958.6	6043.7
-27.5°	8722.3	9540.4	10038.6	10205.9	10038.6	9540.4	8722.3	7601.2	6201.9	5317.4	4309.0
-30°	5491.2	5885.7	6125.4	6205.8	6125.4	5885.7	5491.2	4948.6	4266.9	3755.3	3275.4
-32.5°	3739.6	3924.9	4037.3	4074.9	4037.3	3924.9	3739.6	3484.1	3161.9	2863.5	2614.7
-35°	2802.3	2897.3	2954.8	2974.1	2954.8	2897.3	2802.3	2671.0	2504.9	2325.2	2185.0
-37.5°	2259.3	2312.4	2344.5	2355.2	2344.5	2312.4	2259.3	2185.8	2092.7	1980.9	1897.1
-40°	1921.2	1952.2	1970.9	1977.2	1970.9	1952.2	1921.2	1878.3	1823.8	1758.1	1696.0
-42.5°	1698.3	1719.3	1732.1	1736.3	1732.1	1719.3	1698.3	1669.0	1631.9	1587.0	1540.2
-45°	1530.9	1545.8	1554.7	1557.7	1554.7	1545.8	1530.9	1510.3	1484.1	1452.4	1416.4
-47.5°	1400.5	1411.6	1418.4	1420.6	1418.4	1411.6	1400.5	1385.0	1365.3	1341.4	1313.6
-50°	1293.4	1301.7	1306.7	1308.4	1306.7	1301.7	1293.4	1281.9	1267.1	1249.3	1228.4
-52.5°	1203.4	1211.0	1215.6	1217.1	1215.6	1211.0	1203.4	1192.8	1179.3	1162.9	1143.7
-55°	1114.9	1120.9	1124.5	1125.7	1124.5	1120.9	1114.9	1106.5	1095.9	1082.9	1067.7
-57.5°	1037.5	1042.6	1045.8	1046.8	1045.8	1042.6	1037.5	1030.3	1021.0	1009.8	996.7
-60°	961.7	967.4	970.8	972.0	970.8	967.4	961.7	953.7	943.4	931.0	916.4
-62.5°	871.3	876.5	879.6	880.6	879.6	876.5	871.3	864.1	854.8	843.6	830.4
-65°	781.2	785.7	788.3	789.2	788.3	785.7	781.2	775.1	767.2	757.6	746.3
-67.5°	694.2	698.6	701.1	702.0	701.1	698.6	694.2	688.2	680.6	671.2	660.2
-70°	599.7	603.5	605.7	606.5	605.7	603.5	599.7	594.4	587.6	579.4	569.7
-72.5°	504.7	508.2	510.2	510.9	510.2	508.2	504.7	500.0	493.8	486.4	477.6
-75°	406.4	409.1	410.7	411.2	410.7	409.1	406.4	402.7	397.9	392.1	385.3
-77.5°	316.2	318.2	319.4	319.8	319.4	318.2	316.2	313.4	309.8	305.4	300.3
-80°	234.4	235.7	236.5	236.8	236.5	235.7	234.4	232.5	230.0	227.1	223.6
-82.5°	164.6	165.5	166.0	166.2	166.0	165.5	164.6	163.3	161.7	159.8	157.5
-85°	102.8	103.4	103.7	103.8	103.7	103.4	102.8	102.0	101.0	99.8	98.4
-87.5°	45.3	45.5	45.7	45.7	45.7	45.5	45.3	45.0	44.6	44.1	43.6
-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: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**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°	42.9	42.2	41.4	40.5	39.6	38.5	37.4	36.3	35.0	33.7	32.3
85°	96.8	94.9	92.9	90.6	88.2	85.6	82.7	79.7	76.6	73.2	69.7
82.5°	154.9	151.9	148.6	144.9	141.0	136.8	132.2	127.4	122.2	116.8	111.2
80°	219.6	215.1	210.1	204.6	198.7	192.2	185.3	178.0	170.3	162.6	155.0
77.5°	294.4	287.8	280.4	272.3	263.5	254.0	243.9	233.6	223.9	213.7	203.0
75°	377.4	368.6	358.8	348.0	336.3	323.8	311.2	298.2	284.5	270.0	254.9
72.5°	467.6	456.3	443.7	429.9	415.0	399.9	384.1	367.4	349.7	331.1	312.4
70°	558.6	546.1	532.2	517.0	500.1	481.6	461.9	440.9	418.7	396.8	374.5
67.5°	647.6	633.4	617.7	600.5	581.8	561.7	540.3	517.6	492.8	466.6	439.1
65°	733.4	718.8	702.7	683.5	662.6	640.2	616.2	590.8	564.0	535.9	506.4
62.5°	815.4	798.4	780.1	760.5	739.4	716.6	691.5	663.4	633.8	602.8	570.4
60°	899.8	881.1	860.4	837.7	813.3	787.2	760.5	732.4	702.7	668.8	633.4
57.5°	981.7	963.3	940.6	915.8	889.0	860.4	829.9	797.6	765.0	731.2	695.5
55°	1050.4	1031.8	1011.5	989.4	964.1	932.9	899.8	864.8	828.1	789.8	751.8
52.5°	1122.3	1101.2	1077.9	1052.5	1026.4	998.7	968.8	931.0	891.5	850.2	807.4
50°	1204.6	1178.0	1148.8	1118.2	1088.6	1057.2	1025.0	991.8	953.7	909.4	863.6
47.5°	1286.8	1258.0	1226.4	1192.1	1155.3	1117.3	1081.6	1044.1	1006.9	967.4	918.5
45°	1382.1	1343.8	1303.1	1266.2	1226.6	1184.6	1140.2	1098.1	1056.2	1014.5	972.0
42.5°	1494.8	1444.4	1394.9	1346.2	1296.7	1251.7	1204.4	1154.9	1106.4	1060.3	1014.5
40°	1632.1	1561.3	1501.2	1437.3	1378.4	1319.5	1267.0	1214.4	1159.8	1106.4	1056.2
37.5°	1804.0	1710.3	1627.3	1542.7	1469.9	1398.1	1332.3	1272.1	1214.4	1154.9	1098.1
35°	2027.3	1898.4	1778.4	1672.1	1571.0	1486.3	1404.7	1332.3	1267.0	1204.4	1140.2
32.5°	2343.5	2156.6	1962.9	1825.5	1694.9	1582.1	1486.3	1398.1	1319.5	1251.7	1184.6
30°	2842.6	2513.6	2235.8	2006.0	1841.4	1694.9	1571.0	1469.9	1378.4	1296.7	1226.6
27.5°	3617.8	2989.0	2603.9	2262.4	2006.0	1825.5	1672.1	1542.7	1437.3	1346.2	1266.2
25°	4834.9	3792.3	3073.0	2603.9	2235.8	1962.9	1778.4	1627.3	1501.2	1394.9	1303.1
22.5°	6599.2	5012.7	3792.3	2989.0	2513.6	2156.6	1898.4	1710.3	1561.3	1444.4	1343.8
20°	9420.5	6599.2	4834.9	3617.8	2842.6	2343.5	2027.3	1804.0	1632.1	1494.8	1382.1
17.5°	12953.9	9050.2	6043.7	4309.0	3275.4	2614.7	2185.0	1897.1	1696.0	1540.2	1416.4
15°	16646.0	11803.7	7958.6	5317.4	3755.3	2863.5	2325.2	1980.9	1758.1	1587.0	1452.4
12.5°	20567.1	14741.2	9773.8	6201.9	4266.9	3161.9	2504.9	2092.7	1823.8	1631.9	1484.1
10°	24076.4	17501.5	11845.7	7601.2	4948.6	3484.1	2671.0	2185.8	1878.3	1669.0	1510.3
7.5°	27349.4	19973.2	13675.9	8722.3	5491.2	3739.6	2802.3	2259.3	1921.2	1698.3	1530.9
5°	29781.0	21795.4	15017.4	9540.4	5885.7	3924.9	2897.3	2312.4	1952.2	1719.3	1545.8
2.5°	31281.5	22913.4	15836.9	10038.6	6125.4	4037.3	2954.8	2344.5	1970.9	1732.1	1554.7
0°	31789.0	23290.3	16112.6	10205.9	6205.8	4074.9	2974.1	2355.2	1977.2	1736.3	1557.7
-2.5°	31281.5	22913.4	15836.9	10038.6	6125.4	4037.3	2954.8	2344.5	1970.9	1732.1	1554.7
-5°	29781.0	21795.4	15017.4	9540.4	5885.7	3924.9	2897.3	2312.4	1952.2	1719.3	1545.8
-7.5°	27349.4	19973.2	13675.9	8722.3	5491.2	3739.6	2802.3	2259.3	1921.2	1698.3	1530.9
-10°	24076.4	17501.5	11845.7	7601.2	4948.6	3484.1	2671.0	2185.8	1878.3	1669.0	1510.3
-12.5°	20567.1	14741.2	9773.8	6201.9	4266.9	3161.9	2504.9	2092.7	1823.8	1631.9	1484.1
-15°	16646.0	11803.7	7958.6	5317.4	3755.3	2863.5	2325.2	1980.9	1758.1	1587.0	1452.4
-17.5°	12953.9	9050.2	6043.7	4309.0	3275.4	2614.7	2185.0	1897.1	1696.0	1540.2	1416.4
-20°	9420.5	6599.2	4834.9	3617.8	2842.6	2343.5	2027.3	1804.0	1632.1	1494.8	1382.1



REPORT NUMBER: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6599.2	5012.7	3792.3	2989.0	2513.6	2156.6	1898.4	1710.3	1561.3	1444.4	1343.8
-25°	4834.9	3792.3	3073.0	2603.9	2235.8	1962.9	1778.4	1627.3	1501.2	1394.9	1303.1
-27.5°	3617.8	2989.0	2603.9	2262.4	2006.0	1825.5	1672.1	1542.7	1437.3	1346.2	1266.2
-30°	2842.6	2513.6	2235.8	2006.0	1841.4	1694.9	1571.0	1469.9	1378.4	1296.7	1226.6
-32.5°	2343.5	2156.6	1962.9	1825.5	1694.9	1582.1	1486.3	1398.1	1319.5	1251.7	1184.6
-35°	2027.3	1898.4	1778.4	1672.1	1571.0	1486.3	1404.7	1332.3	1267.0	1204.4	1140.2
-37.5°	1804.0	1710.3	1627.3	1542.7	1469.9	1398.1	1332.3	1272.1	1214.4	1154.9	1098.1
-40°	1632.1	1561.3	1501.2	1437.3	1378.4	1319.5	1267.0	1214.4	1159.8	1106.4	1056.2
-42.5°	1494.8	1444.4	1394.9	1346.2	1296.7	1251.7	1204.4	1154.9	1106.4	1060.3	1014.5
-45°	1382.1	1343.8	1303.1	1266.2	1226.6	1184.6	1140.2	1098.1	1056.2	1014.5	972.0
-47.5°	1286.8	1258.0	1226.4	1192.1	1155.3	1117.3	1081.6	1044.1	1006.9	967.4	918.5
-50°	1204.6	1178.0	1148.8	1118.2	1088.6	1057.2	1025.0	991.8	953.7	909.4	863.6
-52.5°	1122.3	1101.2	1077.9	1052.5	1026.4	998.7	968.8	931.0	891.5	850.2	807.4
-55°	1050.4	1031.8	1011.5	989.4	964.1	932.9	899.8	864.8	828.1	789.8	751.8
-57.5°	981.7	963.3	940.6	915.8	889.0	860.4	829.9	797.6	765.0	731.2	695.5
-60°	899.8	881.1	860.4	837.7	813.3	787.2	760.5	732.4	702.7	668.8	633.4
-62.5°	815.4	798.4	780.1	760.5	739.4	716.6	691.5	663.4	633.8	602.8	570.4
-65°	733.4	718.8	702.7	683.5	662.6	640.2	616.2	590.8	564.0	535.9	506.4
-67.5°	647.6	633.4	617.7	600.5	581.8	561.7	540.3	517.6	492.8	466.6	439.1
-70°	558.6	546.1	532.2	517.0	500.1	481.6	461.9	440.9	418.7	396.8	374.5
-72.5°	467.6	456.3	443.7	429.9	415.0	399.9	384.1	367.4	349.7	331.1	312.4
-75°	377.4	368.6	358.8	348.0	336.3	323.8	311.2	298.2	284.5	270.0	254.9
-77.5°	294.4	287.8	280.4	272.3	263.5	254.0	243.9	233.6	223.9	213.7	203.0
-80°	219.6	215.1	210.1	204.6	198.7	192.2	185.3	178.0	170.3	162.6	155.0
-82.5°	154.9	151.9	148.6	144.9	141.0	136.8	132.2	127.4	122.2	116.8	111.2
-85°	96.8	94.9	92.9	90.6	88.2	85.6	82.7	79.7	76.6	73.2	69.7
-87.5°	42.9	42.2	41.4	40.5	39.6	38.5	37.4	36.3	35.0	33.7	32.3
-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: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**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°	30.9	29.4	27.8	26.2	24.5	22.8	21.1	19.3	17.5	15.6	13.7
85°	66.0	62.2	58.3	54.2	50.0	45.7	42.2	38.6	34.9	31.2	27.5
82.5°	105.3	99.4	93.5	87.4	81.1	74.6	67.9	61.1	54.1	47.1	41.1
80°	147.2	139.0	130.5	121.7	112.6	103.4	94.5	85.4	76.2	66.7	57.2
77.5°	191.8	180.2	168.2	157.0	145.7	134.1	122.2	110.0	98.0	86.3	74.3
75°	239.1	224.8	210.4	195.5	180.1	164.6	150.3	135.7	120.9	105.8	91.3
72.5°	294.0	274.8	255.0	234.9	217.0	198.6	179.8	161.2	143.9	126.3	108.5
70°	351.2	327.1	303.8	280.4	256.4	232.5	211.0	189.1	166.8	146.7	126.3
67.5°	410.6	383.4	355.3	326.4	298.7	271.0	242.7	217.2	192.2	166.8	143.9
65°	474.6	441.6	407.8	375.7	342.6	309.8	278.4	246.4	217.2	189.1	161.2
62.5°	536.8	501.6	464.1	425.5	388.0	350.8	313.5	278.4	242.7	211.0	179.8
60°	596.7	558.6	519.3	477.6	434.5	392.1	350.8	309.8	271.0	232.5	198.6
57.5°	655.6	614.3	571.8	528.1	482.2	434.5	388.0	342.6	298.7	256.4	217.0
55°	712.4	668.9	623.2	576.2	528.1	477.6	425.5	375.7	326.4	280.4	234.9
52.5°	764.3	720.7	673.4	623.2	571.8	519.3	464.1	407.8	355.3	303.8	255.0
50°	816.2	768.4	720.7	668.9	614.3	558.6	501.6	441.6	383.4	327.1	274.8
47.5°	868.0	816.2	764.3	712.4	655.6	596.7	536.8	474.6	410.6	351.2	294.0
45°	918.5	863.6	807.4	751.8	695.5	633.4	570.4	506.4	439.1	374.5	312.4
42.5°	967.4	909.4	850.2	789.8	731.2	668.8	602.8	535.9	466.6	396.8	331.1
40°	1006.9	953.7	891.5	828.1	765.0	702.7	633.8	564.0	492.8	418.7	349.7
37.5°	1044.1	991.8	931.0	864.8	797.6	732.4	663.4	590.8	517.6	440.9	367.4
35°	1081.6	1025.0	968.8	899.8	829.9	760.5	691.5	616.2	540.3	461.9	384.1
32.5°	1117.3	1057.2	998.7	932.9	860.4	787.2	716.6	640.2	561.7	481.6	399.9
30°	1155.3	1088.6	1026.4	964.1	889.0	813.3	739.4	662.6	581.8	500.1	415.0
27.5°	1192.1	1118.2	1052.5	989.4	915.8	837.7	760.5	683.5	600.5	517.0	429.9
25°	1226.4	1148.8	1077.9	1011.5	940.6	860.4	780.1	702.7	617.7	532.2	443.7
22.5°	1258.0	1178.0	1101.2	1031.8	963.3	881.1	798.4	718.8	633.4	546.1	456.3
20°	1286.8	1204.6	1122.3	1050.4	981.7	899.8	815.4	733.4	647.6	558.6	467.6
17.5°	1313.6	1228.4	1143.7	1067.7	996.7	916.4	830.4	746.3	660.2	569.7	477.6
15°	1341.4	1249.3	1162.9	1082.9	1009.8	931.0	843.6	757.6	671.2	579.4	486.4
12.5°	1365.3	1267.1	1179.3	1095.9	1021.0	943.4	854.8	767.2	680.6	587.6	493.8
10°	1385.0	1281.9	1192.8	1106.5	1030.3	953.7	864.1	775.1	688.2	594.4	500.0
7.5°	1400.5	1293.4	1203.4	1114.9	1037.5	961.7	871.3	781.2	694.2	599.7	504.7
5°	1411.6	1301.7	1211.0	1120.9	1042.6	967.4	876.5	785.7	698.6	603.5	508.2
2.5°	1418.4	1306.7	1215.6	1124.5	1045.8	970.8	879.6	788.3	701.1	605.7	510.2
0°	1420.6	1308.4	1217.1	1125.7	1046.8	972.0	880.6	789.2	702.0	606.5	510.9
-2.5°	1418.4	1306.7	1215.6	1124.5	1045.8	970.8	879.6	788.3	701.1	605.7	510.2
-5°	1411.6	1301.7	1211.0	1120.9	1042.6	967.4	876.5	785.7	698.6	603.5	508.2
-7.5°	1400.5	1293.4	1203.4	1114.9	1037.5	961.7	871.3	781.2	694.2	599.7	504.7
-10°	1385.0	1281.9	1192.8	1106.5	1030.3	953.7	864.1	775.1	688.2	594.4	500.0
-12.5°	1365.3	1267.1	1179.3	1095.9	1021.0	943.4	854.8	767.2	680.6	587.6	493.8
-15°	1341.4	1249.3	1162.9	1082.9	1009.8	931.0	843.6	757.6	671.2	579.4	486.4
-17.5°	1313.6	1228.4	1143.7	1067.7	996.7	916.4	830.4	746.3	660.2	569.7	477.6
-20°	1286.8	1204.6	1122.3	1050.4	981.7	899.8	815.4	733.4	647.6	558.6	467.6

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

Scaled Data Report



REPORT NUMBER: P624786 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1258.0	1178.0	1101.2	1031.8	963.3	881.1	798.4	718.8	633.4	546.1	456.3
-25°	1226.4	1148.8	1077.9	1011.5	940.6	860.4	780.1	702.7	617.7	532.2	443.7
-27.5°	1192.1	1118.2	1052.5	989.4	915.8	837.7	760.5	683.5	600.5	517.0	429.9
-30°	1155.3	1088.6	1026.4	964.1	889.0	813.3	739.4	662.6	581.8	500.1	415.0
-32.5°	1117.3	1057.2	998.7	932.9	860.4	787.2	716.6	640.2	561.7	481.6	399.9
-35°	1081.6	1025.0	968.8	899.8	829.9	760.5	691.5	616.2	540.3	461.9	384.1
-37.5°	1044.1	991.8	931.0	864.8	797.6	732.4	663.4	590.8	517.6	440.9	367.4
-40°	1006.9	953.7	891.5	828.1	765.0	702.7	633.8	564.0	492.8	418.7	349.7
-42.5°	967.4	909.4	850.2	789.8	731.2	668.8	602.8	535.9	466.6	396.8	331.1
-45°	918.5	863.6	807.4	751.8	695.5	633.4	570.4	506.4	439.1	374.5	312.4
-47.5°	868.0	816.2	764.3	712.4	655.6	596.7	536.8	474.6	410.6	351.2	294.0
-50°	816.2	768.4	720.7	668.9	614.3	558.6	501.6	441.6	383.4	327.1	274.8
-52.5°	764.3	720.7	673.4	623.2	571.8	519.3	464.1	407.8	355.3	303.8	255.0
-55°	712.4	668.9	623.2	576.2	528.1	477.6	425.5	375.7	326.4	280.4	234.9
-57.5°	655.6	614.3	571.8	528.1	482.2	434.5	388.0	342.6	298.7	256.4	217.0
-60°	596.7	558.6	519.3	477.6	434.5	392.1	350.8	309.8	271.0	232.5	198.6
-62.5°	536.8	501.6	464.1	425.5	388.0	350.8	313.5	278.4	242.7	211.0	179.8
-65°	474.6	441.6	407.8	375.7	342.6	309.8	278.4	246.4	217.2	189.1	161.2
-67.5°	410.6	383.4	355.3	326.4	298.7	271.0	242.7	217.2	192.2	166.8	143.9
-70°	351.2	327.1	303.8	280.4	256.4	232.5	211.0	189.1	166.8	146.7	126.3
-72.5°	294.0	274.8	255.0	234.9	217.0	198.6	179.8	161.2	143.9	126.3	108.5
-75°	239.1	224.8	210.4	195.5	180.1	164.6	150.3	135.7	120.9	105.8	91.3
-77.5°	191.8	180.2	168.2	157.0	145.7	134.1	122.2	110.0	98.0	86.3	74.3
-80°	147.2	139.0	130.5	121.7	112.6	103.4	94.5	85.4	76.2	66.7	57.2
-82.5°	105.3	99.4	93.5	87.4	81.1	74.6	67.9	61.1	54.1	47.1	41.1
-85°	66.0	62.2	58.3	54.2	50.0	45.7	42.2	38.6	34.9	31.2	27.5
-87.5°	30.9	29.4	27.8	26.2	24.5	22.8	21.1	19.3	17.5	15.6	13.7
-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):**

	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°	11.8	9.9	7.9	6.0	4.0	2.0	0.0
85°	23.6	19.8	15.9	11.9	8.0	4.0	0.0
82.5°	35.4	29.6	23.7	17.8	11.9	6.0	0.0
80°	47.5	39.4	31.6	23.7	15.9	7.9	0.0
77.5°	62.2	50.0	39.4	29.6	19.8	9.9	0.0
75°	76.9	62.2	47.5	35.4	23.6	11.8	0.0
72.5°	91.3	74.3	57.2	41.1	27.5	13.7	0.0
70°	105.8	86.3	66.7	47.1	31.2	15.6	0.0
67.5°	120.9	98.0	76.2	54.1	34.9	17.5	0.0
65°	135.7	110.0	85.4	61.1	38.6	19.3	0.0
62.5°	150.3	122.2	94.5	67.9	42.2	21.1	0.0
60°	164.6	134.1	103.4	74.6	45.7	22.8	0.0
57.5°	180.1	145.7	112.6	81.1	50.0	24.5	0.0
55°	195.5	157.0	121.7	87.4	54.2	26.2	0.0
52.5°	210.4	168.2	130.5	93.5	58.3	27.8	0.0
50°	224.8	180.2	139.0	99.4	62.2	29.4	0.0
47.5°	239.1	191.8	147.2	105.3	66.0	30.9	0.0
45°	254.9	203.0	155.0	111.2	69.7	32.3	0.0
42.5°	270.0	213.7	162.6	116.8	73.2	33.7	0.0
40°	284.5	223.9	170.3	122.2	76.6	35.0	0.0
37.5°	298.2	233.6	178.0	127.4	79.7	36.3	0.0
35°	311.2	243.9	185.3	132.2	82.7	37.4	0.0
32.5°	323.8	254.0	192.2	136.8	85.6	38.5	0.0
30°	336.3	263.5	198.7	141.0	88.2	39.6	0.0
27.5°	348.0	272.3	204.6	144.9	90.6	40.5	0.0
25°	358.8	280.4	210.1	148.6	92.9	41.4	0.0
22.5°	368.6	287.8	215.1	151.9	94.9	42.2	0.0
20°	377.4	294.4	219.6	154.9	96.8	42.9	0.0
17.5°	385.3	300.3	223.6	157.5	98.4	43.6	0.0
15°	392.1	305.4	227.1	159.8	99.8	44.1	0.0
12.5°	397.9	309.8	230.0	161.7	101.0	44.6	0.0
10°	402.7	313.4	232.5	163.3	102.0	45.0	0.0
7.5°	406.4	316.2	234.4	164.6	102.8	45.3	0.0
5°	409.1	318.2	235.7	165.5	103.4	45.5	0.0
2.5°	410.7	319.4	236.5	166.0	103.7	45.7	0.0
0°	411.2	319.8	236.8	166.2	103.8	45.7	0.0
-2.5°	410.7	319.4	236.5	166.0	103.7	45.7	0.0
-5°	409.1	318.2	235.7	165.5	103.4	45.5	0.0
-7.5°	406.4	316.2	234.4	164.6	102.8	45.3	0.0
-10°	402.7	313.4	232.5	163.3	102.0	45.0	0.0
-12.5°	397.9	309.8	230.0	161.7	101.0	44.6	0.0
-15°	392.1	305.4	227.1	159.8	99.8	44.1	0.0
-17.5°	385.3	300.3	223.6	157.5	98.4	43.6	0.0
-20°	377.4	294.4	219.6	154.9	96.8	42.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	368.6	287.8	215.1	151.9	94.9	42.2	0.0
-25°	358.8	280.4	210.1	148.6	92.9	41.4	0.0
-27.5°	348.0	272.3	204.6	144.9	90.6	40.5	0.0
-30°	336.3	263.5	198.7	141.0	88.2	39.6	0.0
-32.5°	323.8	254.0	192.2	136.8	85.6	38.5	0.0
-35°	311.2	243.9	185.3	132.2	82.7	37.4	0.0
-37.5°	298.2	233.6	178.0	127.4	79.7	36.3	0.0
-40°	284.5	223.9	170.3	122.2	76.6	35.0	0.0
-42.5°	270.0	213.7	162.6	116.8	73.2	33.7	0.0
-45°	254.9	203.0	155.0	111.2	69.7	32.3	0.0
-47.5°	239.1	191.8	147.2	105.3	66.0	30.9	0.0
-50°	224.8	180.2	139.0	99.4	62.2	29.4	0.0
-52.5°	210.4	168.2	130.5	93.5	58.3	27.8	0.0
-55°	195.5	157.0	121.7	87.4	54.2	26.2	0.0
-57.5°	180.1	145.7	112.6	81.1	50.0	24.5	0.0
-60°	164.6	134.1	103.4	74.6	45.7	22.8	0.0
-62.5°	150.3	122.2	94.5	67.9	42.2	21.1	0.0
-65°	135.7	110.0	85.4	61.1	38.6	19.3	0.0
-67.5°	120.9	98.0	76.2	54.1	34.9	17.5	0.0
-70°	105.8	86.3	66.7	47.1	31.2	15.6	0.0
-72.5°	91.3	74.3	57.2	41.1	27.5	13.7	0.0
-75°	76.9	62.2	47.5	35.4	23.6	11.8	0.0
-77.5°	62.2	50.0	39.4	29.6	19.8	9.9	0.0
-80°	47.5	39.4	31.6	23.7	15.9	7.9	0.0
-82.5°	35.4	29.6	23.7	17.8	11.9	6.0	0.0
-85°	23.6	19.8	15.9	11.9	8.0	4.0	0.0
-87.5°	11.8	9.9	7.9	6.0	4.0	2.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)