

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: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-3000K-33**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-11)  
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-33  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 33 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40745.7 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

NEMA Type: 3H x 3V  
Max Intensity: 379189.5 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.8°H x 13.8°V  
Beam Lumens: 11881.3 lumens  
Beam Efficiency: 29.2%

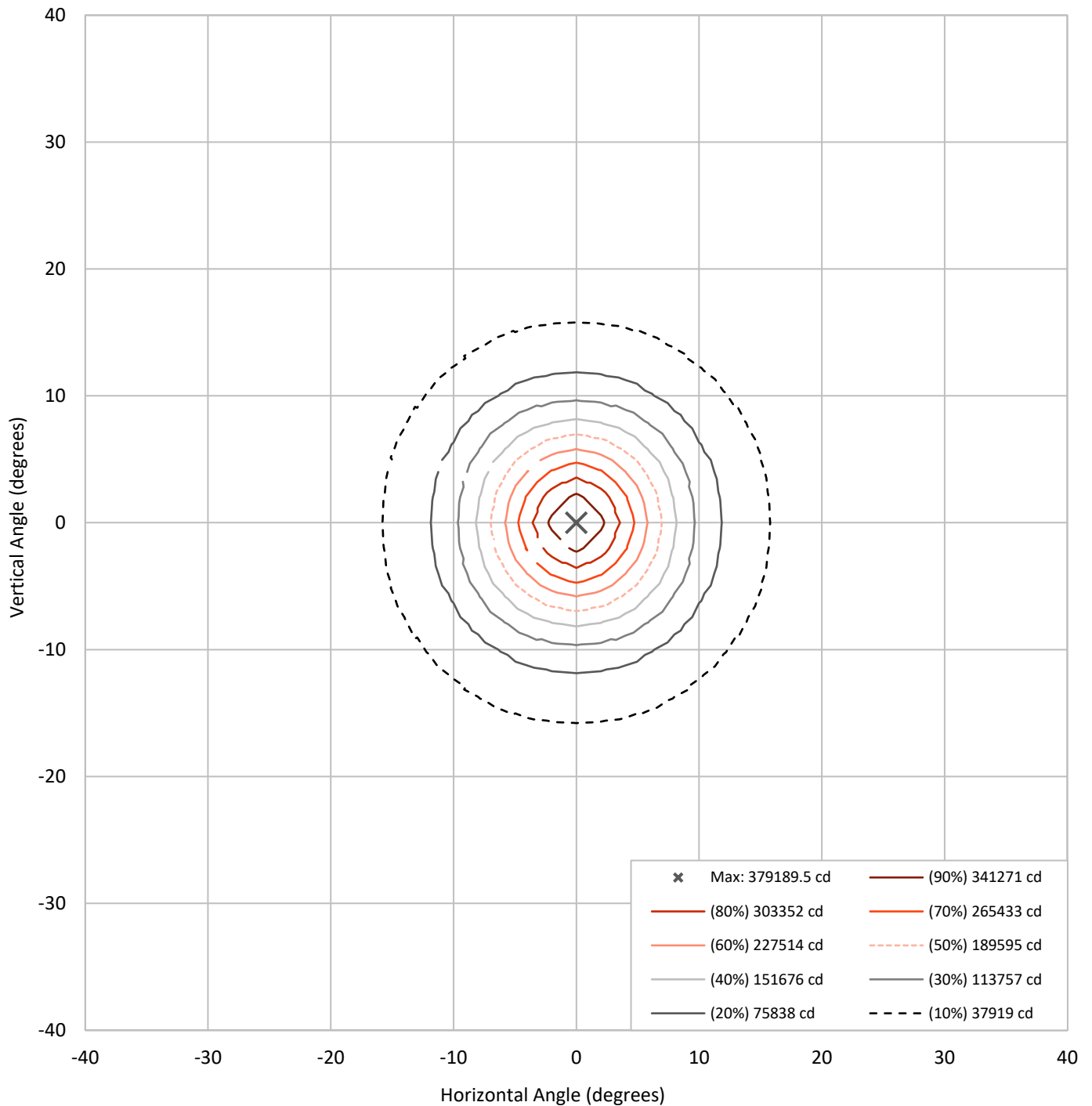
Field Angle (10%): 31.4°H x 31.4°V  
Field Lumens: 27664.7 lumens  
Field Efficiency: 67.9%

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

REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

### Iso-Candela Plot





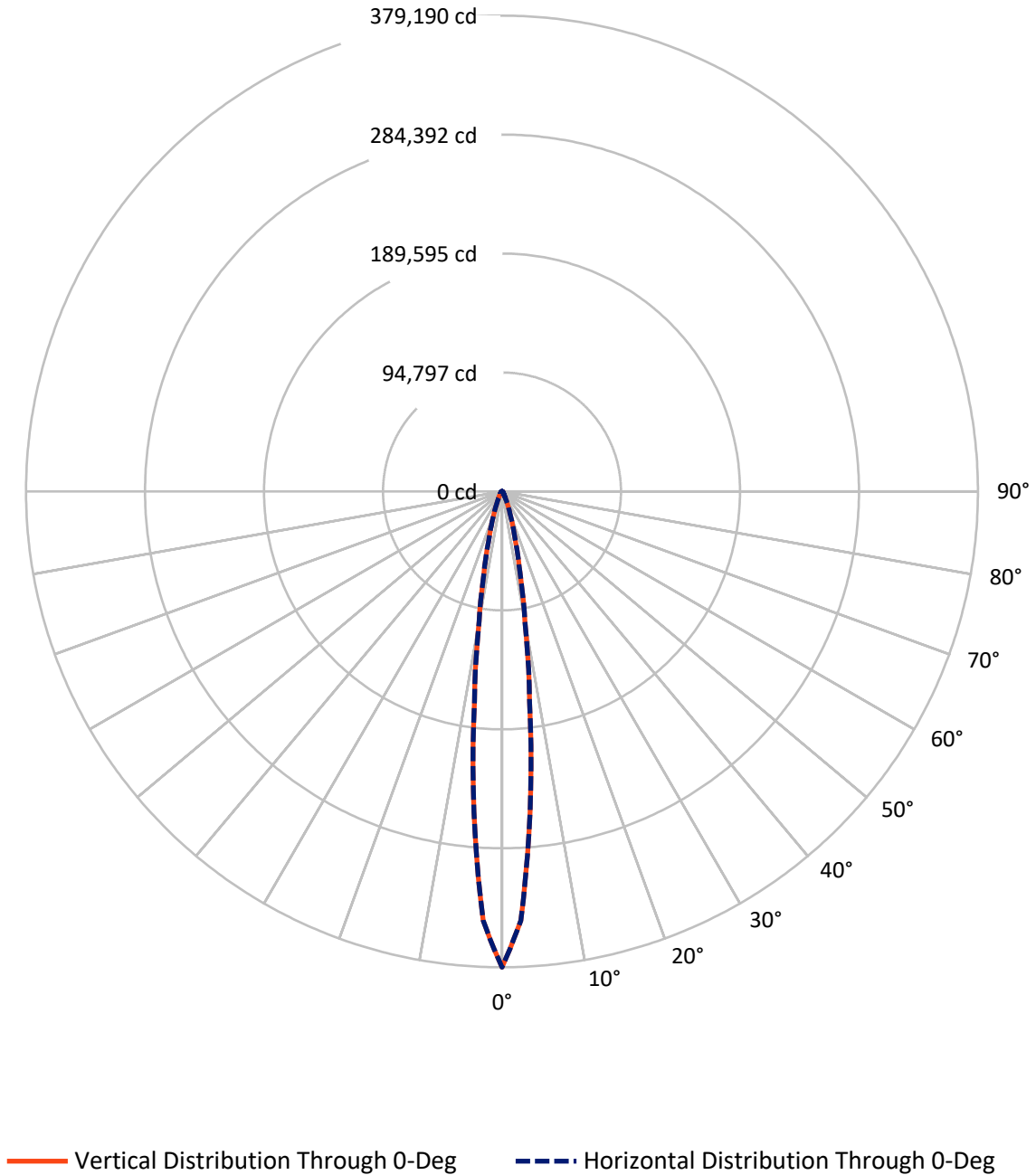
REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

### Lumen Table

90	0.7	5.2	14.0	22.8	26.4	22.8	14.0	5.2	0.7										
80	0.7	5.2	14.0	22.8	26.4	22.8	14.0	5.2	0.7										
70	2.4	2.7	5.6	9.4	13.3	16.8	19.4	20.7	20.7	19.4	16.8	13.3	9.4	5.6	2.7	2.4			
60		4.2	8.7	14.1	19.5	24.2	27.9	29.9	29.9	27.9	24.2	19.5	14.1	8.7	4.2				
50	4.4	5.7	11.5	18.1	25.0	32.2	38.9	43.1	43.1	38.9	32.2	25.0	18.1	11.5	5.7	4.4			
40		6.9	13.7	21.7	31.7	45.4	62.1	76.2	76.2	62.1	45.4	31.7	21.7	13.7	6.9				
30	5.9	7.9	15.4	25.2	41.1	72.6	148.2	253.5	253.5	148.2	72.6	41.1	25.2	15.4	7.9	5.9			
20		8.6	16.7	28.6	52.9	139.7	502.1	1247.5	1247.5	502.1	139.7	52.9	28.6	16.7	8.6				
10	6.4	8.9	17.3	30.8	63.1	232.7	1215.5	5338.0	5338.0	1215.5	232.7	63.1	30.8	17.3	8.9	6.4			
0		8.9	17.3	30.8	63.1	232.7	1215.5	5338.0	5338.0	1215.5	232.7	63.1	30.8	17.3	8.9				
-10	5.9	8.6	16.7	28.6	52.9	139.7	502.1	1247.5	1247.5	502.1	139.7	52.9	28.6	16.7	8.6	5.9			
-20		7.9	15.4	25.2	41.1	72.6	148.2	253.5	253.5	148.2	72.6	41.1	25.2	15.4	7.9				
-30	4.4	6.9	13.7	21.7	31.7	45.4	62.1	76.2	76.2	62.1	45.4	31.7	21.7	13.7	6.9	4.4			
-40		5.7	11.5	18.1	25.0	32.2	38.9	43.1	43.1	38.9	32.2	25.0	18.1	11.5	5.7				
-50	2.4	4.2	8.7	14.1	19.5	24.2	27.9	29.9	29.9	27.9	24.2	19.5	14.1	8.7	4.2	2.4			
-60		2.7	5.6	9.4	13.3	16.8	19.4	20.7	20.7	19.4	16.8	13.3	9.4	5.6	2.7				
-70	0.7	5.2	14.0	22.8	26.4	22.8	14.0	5.2	0.7										
-80		0.7	5.2	14.0	22.8	26.4	22.8	14.0	5.2	0.7									
-90	0.7	5.2	14.0	22.8	26.4	22.8	14.0	5.2	0.7										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

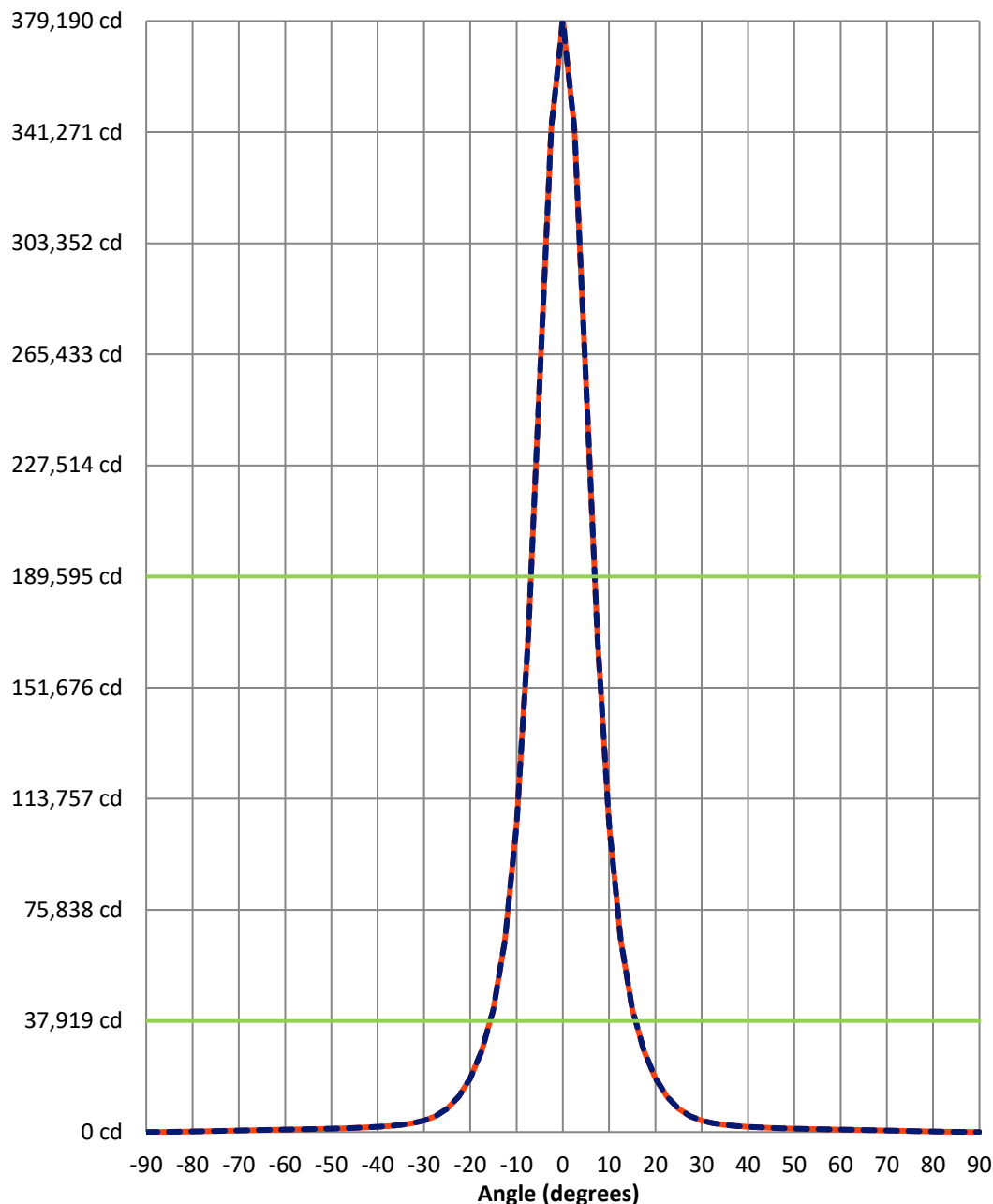
REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

### Luminous Intensity Polar Plot



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

### Luminous Intensity Plot



**Beam:**  
 H Angle: 13.8°  
 V Angle: 13.8°  
 Lumens: 11881.3  
 Efficiency: 29.2%

**Field:**  
 H Angle: 31.4°  
 V Angle: 31.4°  
 Lumens: 27664.7  
 Efficiency: 67.9%

**Spill:**  
 Lumens: 13081  
 Efficiency: 32.1%

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

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

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	1.5	3.0	4.4	5.9	7.3	8.8	10.2	11.6	13.0	14.3
85°	0.0	3.0	5.9	8.8	11.8	14.7	17.5	20.4	23.2	25.9	28.6
82.5°	0.0	4.4	8.8	13.2	17.6	22.0	26.3	30.5	34.9	40.1	45.1
80°	0.0	5.9	11.8	17.6	23.4	29.2	35.2	42.3	49.2	56.1	62.9
77.5°	0.0	7.3	14.7	22.0	29.2	37.0	46.0	54.8	63.5	72.1	81.4
75°	0.0	8.8	17.5	26.3	35.2	46.0	56.6	67.2	77.9	90.2	102.4
72.5°	0.0	10.2	20.4	30.5	42.3	54.8	67.2	80.1	94.7	109.0	123.2
70°	0.0	11.6	23.2	34.9	49.2	63.5	77.9	94.7	111.3	127.8	149.2
67.5°	0.0	13.0	25.9	40.1	56.1	72.1	90.2	109.0	127.8	152.2	176.2
65°	0.0	14.3	28.6	45.1	62.9	81.4	102.4	123.2	149.2	176.2	203.3
62.5°	0.0	15.6	31.3	50.1	69.5	91.3	114.2	140.3	170.2	200.1	231.1
60°	0.0	16.9	33.9	55.0	76.0	101.0	125.9	158.3	190.8	224.7	258.4
57.5°	0.0	18.2	37.0	59.7	83.5	110.5	140.6	176.0	212.0	248.8	288.3
55°	0.0	19.4	40.1	64.3	90.9	119.7	155.3	193.2	232.9	273.2	318.9
52.5°	0.0	20.6	43.1	68.8	98.0	129.1	169.6	210.8	253.2	300.1	348.8
50°	0.0	21.8	46.0	73.1	105.0	140.7	183.5	228.0	273.9	326.1	379.1
47.5°	0.0	22.9	48.8	77.5	111.7	151.8	197.0	244.6	296.3	351.3	408.5
45°	0.0	24.0	51.4	82.3	118.1	162.6	210.7	260.7	317.8	376.8	436.9
42.5°	0.0	25.0	54.0	86.9	124.3	172.8	223.9	277.6	338.5	401.3	463.1
40°	0.0	26.0	56.4	91.3	131.1	182.6	236.4	294.8	358.6	424.8	488.0
37.5°	0.0	26.9	58.7	95.5	138.5	191.9	248.3	311.3	378.4	446.8	511.8
35°	0.0	27.8	60.9	99.5	145.6	201.1	259.6	326.8	397.1	467.0	534.3
32.5°	0.0	28.6	63.0	103.2	152.2	209.9	270.8	341.4	414.8	486.0	555.6
30°	0.0	29.4	64.9	106.6	158.4	218.2	282.5	355.3	431.3	503.8	575.5
27.5°	0.0	30.1	66.7	109.9	164.1	225.8	293.3	368.6	446.3	520.4	594.1
25°	0.0	30.7	68.3	112.8	169.4	232.9	303.3	380.9	459.8	535.7	611.2
22.5°	0.0	31.3	69.8	115.5	174.2	239.3	312.4	392.1	472.1	549.6	626.0
20°	0.0	31.9	71.2	117.9	178.5	245.0	320.6	402.2	483.2	562.2	639.4
17.5°	0.0	32.3	72.4	120.1	182.3	250.2	327.8	411.2	493.1	573.4	651.4
15°	0.0	32.7	73.4	122.0	185.7	254.6	334.2	419.0	501.7	583.1	661.8
12.5°	0.0	33.1	74.3	123.6	188.5	258.4	339.6	425.7	509.0	591.5	670.7
10°	0.0	33.4	75.0	124.9	190.8	261.5	344.0	431.1	515.0	598.3	678.0
7.5°	0.0	33.6	75.6	125.9	192.7	264.0	347.4	435.4	519.7	603.6	683.6
5°	0.0	33.8	76.0	126.6	194.0	265.7	349.9	438.5	523.0	607.4	687.7
2.5°	0.0	33.9	76.2	127.1	194.7	266.8	351.4	440.3	525.0	609.7	690.2
0°	0.0	33.9	76.3	127.2	195.0	267.1	351.9	440.9	525.7	610.5	691.0
-2.5°	0.0	33.9	76.2	127.1	194.7	266.8	351.4	440.3	525.0	609.7	690.2
-5°	0.0	33.8	76.0	126.6	194.0	265.7	349.9	438.5	523.0	607.4	687.7
-7.5°	0.0	33.6	75.6	125.9	192.7	264.0	347.4	435.4	519.7	603.6	683.6
-10°	0.0	33.4	75.0	124.9	190.8	261.5	344.0	431.1	515.0	598.3	678.0
-12.5°	0.0	33.1	74.3	123.6	188.5	258.4	339.6	425.7	509.0	591.5	670.7
-15°	0.0	32.7	73.4	122.0	185.7	254.6	334.2	419.0	501.7	583.1	661.8
-17.5°	0.0	32.3	72.4	120.1	182.3	250.2	327.8	411.2	493.1	573.4	651.4
-20°	0.0	31.9	71.2	117.9	178.5	245.0	320.6	402.2	483.2	562.2	639.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	31.3	69.8	115.5	174.2	239.3	312.4	392.1	472.1	549.6	626.0
-25°	0.0	30.7	68.3	112.8	169.4	232.9	303.3	380.9	459.8	535.7	611.2
-27.5°	0.0	30.1	66.7	109.9	164.1	225.8	293.3	368.6	446.3	520.4	594.1
-30°	0.0	29.4	64.9	106.6	158.4	218.2	282.5	355.3	431.3	503.8	575.5
-32.5°	0.0	28.6	63.0	103.2	152.2	209.9	270.8	341.4	414.8	486.0	555.6
-35°	0.0	27.8	60.9	99.5	145.6	201.1	259.6	326.8	397.1	467.0	534.3
-37.5°	0.0	26.9	58.7	95.5	138.5	191.9	248.3	311.3	378.4	446.8	511.8
-40°	0.0	26.0	56.4	91.3	131.1	182.6	236.4	294.8	358.6	424.8	488.0
-42.5°	0.0	25.0	54.0	86.9	124.3	172.8	223.9	277.6	338.5	401.3	463.1
-45°	0.0	24.0	51.4	82.3	118.1	162.6	210.7	260.7	317.8	376.8	436.9
-47.5°	0.0	22.9	48.8	77.5	111.7	151.8	197.0	244.6	296.3	351.3	408.5
-50°	0.0	21.8	46.0	73.1	105.0	140.7	183.5	228.0	273.9	326.1	379.1
-52.5°	0.0	20.6	43.1	68.8	98.0	129.1	169.6	210.8	253.2	300.1	348.8
-55°	0.0	19.4	40.1	64.3	90.9	119.7	155.3	193.2	232.9	273.2	318.9
-57.5°	0.0	18.2	37.0	59.7	83.5	110.5	140.6	176.0	212.0	248.8	288.3
-60°	0.0	16.9	33.9	55.0	76.0	101.0	125.9	158.3	190.8	224.7	258.4
-62.5°	0.0	15.6	31.3	50.1	69.5	91.3	114.2	140.3	170.2	200.1	231.1
-65°	0.0	14.3	28.6	45.1	62.9	81.4	102.4	123.2	149.2	176.2	203.3
-67.5°	0.0	13.0	25.9	40.1	56.1	72.1	90.2	109.0	127.8	152.2	176.2
-70°	0.0	11.6	23.2	34.9	49.2	63.5	77.9	94.7	111.3	127.8	149.2
-72.5°	0.0	10.2	20.4	30.5	42.3	54.8	67.2	80.1	94.7	109.0	123.2
-75°	0.0	8.8	17.5	26.3	35.2	46.0	56.6	67.2	77.9	90.2	102.4
-77.5°	0.0	7.3	14.7	22.0	29.2	37.0	46.0	54.8	63.5	72.1	81.4
-80°	0.0	5.9	11.8	17.6	23.4	29.2	35.2	42.3	49.2	56.1	62.9
-82.5°	0.0	4.4	8.8	13.2	17.6	22.0	26.3	30.5	34.9	40.1	45.1
-85°	0.0	3.0	5.9	8.8	11.8	14.7	17.5	20.4	23.2	25.9	28.6
-87.5°	0.0	1.5	3.0	4.4	5.9	7.3	8.8	10.2	11.6	13.0	14.3
-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: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**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°	15.6	16.9	18.2	19.4	20.6	21.8	22.9	24.0	25.0	26.0	26.9
85°	31.3	33.9	37.0	40.1	43.1	46.0	48.8	51.4	54.0	56.4	58.7
82.5°	50.1	55.0	59.7	64.3	68.8	73.1	77.5	82.3	86.9	91.3	95.5
80°	69.5	76.0	83.5	90.9	98.0	105.0	111.7	118.1	124.3	131.1	138.5
77.5°	91.3	101.0	110.5	119.7	129.1	140.7	151.8	162.6	172.8	182.6	191.9
75°	114.2	125.9	140.6	155.3	169.6	183.5	197.0	210.7	223.9	236.4	248.3
72.5°	140.3	158.3	176.0	193.2	210.8	228.0	244.6	260.7	277.6	294.8	311.3
70°	170.2	190.8	212.0	232.9	253.2	273.9	296.3	317.8	338.5	358.6	378.4
67.5°	200.1	224.7	248.8	273.2	300.1	326.1	351.3	376.8	401.3	424.8	446.8
65°	231.1	258.4	288.3	318.9	348.8	379.1	408.5	436.9	463.1	488.0	511.8
62.5°	261.6	295.9	330.4	364.6	399.1	432.6	463.9	493.7	522.4	550.0	576.2
60°	295.9	334.2	372.7	411.2	448.4	483.2	517.0	549.6	581.0	611.2	638.5
57.5°	330.4	372.7	415.3	456.2	494.9	532.6	569.3	604.7	637.5	668.6	698.4
55°	364.6	411.2	456.2	498.8	540.5	581.1	620.1	656.5	691.5	725.3	757.7
52.5°	399.1	448.4	494.9	540.5	585.1	627.7	668.0	707.0	744.8	779.7	809.0
50°	432.6	483.2	532.6	581.1	627.7	671.8	714.8	756.6	793.0	825.8	858.5
47.5°	463.9	517.0	569.3	620.1	668.0	714.8	760.5	799.7	836.0	873.1	908.9
45°	493.7	549.6	604.7	656.5	707.0	756.6	799.7	839.4	880.4	921.1	963.8
42.5°	522.4	581.0	637.5	691.5	744.8	793.0	836.0	880.4	925.3	972.3	1016.3
40°	550.0	611.2	668.6	725.3	779.7	825.8	873.1	921.1	972.3	1020.4	1066.1
37.5°	576.2	638.5	698.4	757.7	809.0	858.5	908.9	963.8	1016.3	1066.1	1124.5
35°	601.2	664.5	726.9	785.8	837.0	890.5	947.0	1004.1	1057.7	1119.3	1184.2
32.5°	624.0	689.1	753.7	810.4	865.1	922.1	983.5	1041.1	1103.7	1172.0	1246.3
30°	645.0	712.2	777.9	833.5	891.8	954.2	1016.7	1078.0	1149.7	1227.8	1320.9
27.5°	664.5	733.8	797.7	856.2	917.4	984.3	1047.4	1118.5	1197.3	1285.6	1399.7
25°	682.6	753.7	816.1	877.5	943.2	1011.3	1077.8	1156.2	1243.4	1354.8	1487.0
22.5°	699.1	771.9	832.9	897.1	967.0	1035.7	1110.1	1195.1	1293.4	1419.7	1571.7
20°	714.1	785.8	848.8	915.2	988.6	1057.9	1139.5	1231.2	1347.9	1492.0	1651.9
17.5°	727.4	798.2	863.2	932.9	1007.0	1079.8	1166.5	1263.6	1397.0	1557.2	1725.6
15°	739.0	809.0	875.9	948.3	1023.0	1101.2	1192.8	1302.0	1445.9	1615.6	1791.6
12.5°	748.9	818.2	886.7	961.6	1036.7	1119.4	1215.3	1336.3	1491.7	1667.5	1869.3
10°	757.0	825.8	895.6	972.4	1048.0	1134.5	1234.0	1364.7	1529.6	1710.7	1934.1
7.5°	763.4	831.7	902.5	981.0	1056.8	1146.3	1248.6	1387.0	1559.5	1744.7	1985.2
5°	767.9	836.0	907.5	987.1	1063.2	1154.8	1259.1	1403.1	1581.0	1769.2	2022.1
2.5°	770.7	838.5	910.5	990.8	1067.0	1159.9	1265.5	1412.8	1594.0	1784.0	2044.4
0°	771.6	839.4	911.5	992.0	1068.3	1161.6	1267.6	1416.0	1598.3	1789.0	2051.9
-2.5°	770.7	838.5	910.5	990.8	1067.0	1159.9	1265.5	1412.8	1594.0	1784.0	2044.4
-5°	767.9	836.0	907.5	987.1	1063.2	1154.8	1259.1	1403.1	1581.0	1769.2	2022.1
-7.5°	763.4	831.7	902.5	981.0	1056.8	1146.3	1248.6	1387.0	1559.5	1744.7	1985.2
-10°	757.0	825.8	895.6	972.4	1048.0	1134.5	1234.0	1364.7	1529.6	1710.7	1934.1
-12.5°	748.9	818.2	886.7	961.6	1036.7	1119.4	1215.3	1336.3	1491.7	1667.5	1869.3
-15°	739.0	809.0	875.9	948.3	1023.0	1101.2	1192.8	1302.0	1445.9	1615.6	1791.6
-17.5°	727.4	798.2	863.2	932.9	1007.0	1079.8	1166.5	1263.6	1397.0	1557.2	1725.6
-20°	714.1	785.8	848.8	915.2	988.6	1057.9	1139.5	1231.2	1347.9	1492.0	1651.9

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	699.1	771.9	832.9	897.1	967.0	1035.7	1110.1	1195.1	1293.4	1419.7	1571.7
-25°	682.6	753.7	816.1	877.5	943.2	1011.3	1077.8	1156.2	1243.4	1354.8	1487.0
-27.5°	664.5	733.8	797.7	856.2	917.4	984.3	1047.4	1118.5	1197.3	1285.6	1399.7
-30°	645.0	712.2	777.9	833.5	891.8	954.2	1016.7	1078.0	1149.7	1227.8	1320.9
-32.5°	624.0	689.1	753.7	810.4	865.1	922.1	983.5	1041.1	1103.7	1172.0	1246.3
-35°	601.2	664.5	726.9	785.8	837.0	890.5	947.0	1004.1	1057.7	1119.3	1184.2
-37.5°	576.2	638.5	698.4	757.7	809.0	858.5	908.9	963.8	1016.3	1066.1	1124.5
-40°	550.0	611.2	668.6	725.3	779.7	825.8	873.1	921.1	972.3	1020.4	1066.1
-42.5°	522.4	581.0	637.5	691.5	744.8	793.0	836.0	880.4	925.3	972.3	1016.3
-45°	493.7	549.6	604.7	656.5	707.0	756.6	799.7	839.4	880.4	921.1	963.8
-47.5°	463.9	517.0	569.3	620.1	668.0	714.8	760.5	799.7	836.0	873.1	908.9
-50°	432.6	483.2	532.6	581.1	627.7	671.8	714.8	756.6	793.0	825.8	858.5
-52.5°	399.1	448.4	494.9	540.5	585.1	627.7	668.0	707.0	744.8	779.7	809.0
-55°	364.6	411.2	456.2	498.8	540.5	581.1	620.1	656.5	691.5	725.3	757.7
-57.5°	330.4	372.7	415.3	456.2	494.9	532.6	569.3	604.7	637.5	668.6	698.4
-60°	295.9	334.2	372.7	411.2	448.4	483.2	517.0	549.6	581.0	611.2	638.5
-62.5°	261.6	295.9	330.4	364.6	399.1	432.6	463.9	493.7	522.4	550.0	576.2
-65°	231.1	258.4	288.3	318.9	348.8	379.1	408.5	436.9	463.1	488.0	511.8
-67.5°	200.1	224.7	248.8	273.2	300.1	326.1	351.3	376.8	401.3	424.8	446.8
-70°	170.2	190.8	212.0	232.9	253.2	273.9	296.3	317.8	338.5	358.6	378.4
-72.5°	140.3	158.3	176.0	193.2	210.8	228.0	244.6	260.7	277.6	294.8	311.3
-75°	114.2	125.9	140.6	155.3	169.6	183.5	197.0	210.7	223.9	236.4	248.3
-77.5°	91.3	101.0	110.5	119.7	129.1	140.7	151.8	162.6	172.8	182.6	191.9
-80°	69.5	76.0	83.5	90.9	98.0	105.0	111.7	118.1	124.3	131.1	138.5
-82.5°	50.1	55.0	59.7	64.3	68.8	73.1	77.5	82.3	86.9	91.3	95.5
-85°	31.3	33.9	37.0	40.1	43.1	46.0	48.8	51.4	54.0	56.4	58.7
-87.5°	15.6	16.9	18.2	19.4	20.6	21.8	22.9	24.0	25.0	26.0	26.9
-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: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**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°	27.8	28.6	29.4	30.1	30.7	31.3	31.9	32.3	32.7	33.1	33.4
85°	60.9	63.0	64.9	66.7	68.3	69.8	71.2	72.4	73.4	74.3	75.0
82.5°	99.5	103.2	106.6	109.9	112.8	115.5	117.9	120.1	122.0	123.6	124.9
80°	145.6	152.2	158.4	164.1	169.4	174.2	178.5	182.3	185.7	188.5	190.8
77.5°	201.1	209.9	218.2	225.8	232.9	239.3	245.0	250.2	254.6	258.4	261.5
75°	259.6	270.8	282.5	293.3	303.3	312.4	320.6	327.8	334.2	339.6	344.0
72.5°	326.8	341.4	355.3	368.6	380.9	392.1	402.2	411.2	419.0	425.7	431.1
70°	397.1	414.8	431.3	446.3	459.8	472.1	483.2	493.1	501.7	509.0	515.0
67.5°	467.0	486.0	503.8	520.4	535.7	549.6	562.2	573.4	583.1	591.5	598.3
65°	534.3	555.6	575.5	594.1	611.2	626.0	639.4	651.4	661.8	670.7	678.0
62.5°	601.2	624.0	645.0	664.5	682.6	699.1	714.1	727.4	739.0	748.9	757.0
60°	664.5	689.1	712.2	733.8	753.7	771.9	785.8	798.2	809.0	818.2	825.8
57.5°	726.9	753.7	777.9	797.7	816.1	832.9	848.8	863.2	875.9	886.7	895.6
55°	785.8	810.4	833.5	856.2	877.5	897.1	915.2	932.9	948.3	961.6	972.4
52.5°	837.0	865.1	891.8	917.4	943.2	967.0	988.6	1007.0	1023.0	1036.7	1048.0
50°	890.5	922.1	954.2	984.3	1011.3	1035.7	1057.9	1079.8	1101.2	1119.4	1134.5
47.5°	947.0	983.5	1016.7	1047.4	1077.8	1110.1	1139.5	1166.5	1192.8	1215.3	1234.0
45°	1004.1	1041.1	1078.0	1118.5	1156.2	1195.1	1231.2	1263.6	1302.0	1336.3	1364.7
42.5°	1057.7	1103.7	1149.7	1197.3	1243.4	1293.4	1347.9	1397.0	1445.9	1491.7	1529.6
40°	1119.3	1172.0	1227.8	1285.6	1354.8	1419.7	1492.0	1557.2	1615.6	1667.5	1710.7
37.5°	1184.2	1246.3	1320.9	1399.7	1487.0	1571.7	1651.9	1725.6	1791.6	1869.3	1934.1
35°	1252.6	1338.8	1429.6	1532.8	1631.6	1726.7	1823.9	1933.5	2031.0	2146.2	2250.9
32.5°	1338.8	1440.9	1556.0	1668.9	1777.6	1913.8	2043.7	2215.4	2372.2	2540.3	2709.0
30°	1429.6	1556.0	1681.5	1809.0	1968.8	2151.7	2359.0	2599.7	2851.1	3100.2	3390.5
27.5°	1532.8	1668.9	1809.0	1987.4	2208.6	2449.7	2779.0	3118.2	3547.5	3924.0	4452.2
25°	1631.6	1777.6	1968.8	2208.6	2493.7	2870.5	3342.1	3856.7	4587.0	5271.9	6141.1
22.5°	1726.7	1913.8	2151.7	2449.7	2870.5	3417.8	4074.1	4998.9	6123.0	7388.0	8778.4
20°	1823.9	2043.7	2359.0	2779.0	3342.1	4074.1	5138.6	6618.3	8285.8	10543.8	12694.0
17.5°	1933.5	2215.4	2599.7	3118.2	3856.7	4998.9	6618.3	8717.4	11459.0	14901.6	18207.7
15°	2031.0	2372.2	2851.1	3547.5	4587.0	6123.0	8285.8	11459.0	15658.8	20546.3	26103.0
12.5°	2146.2	2540.3	3100.2	3924.0	5271.9	7388.0	10543.8	14901.6	20546.3	27452.6	36580.8
10°	2250.9	2709.0	3390.5	4452.2	6141.1	8778.4	12694.0	18207.7	26103.0	36580.8	50490.6
7.5°	2333.6	2842.9	3621.5	4875.1	6929.2	10201.8	15116.8	22210.9	32202.1	46306.1	66104.7
5°	2393.5	2939.9	3789.4	5183.8	7507.0	11251.2	16916.9	25290.4	37512.5	56739.5	86632.3
2.5°	2429.8	2998.8	3891.5	5371.8	7859.9	11894.9	18027.6	27206.2	40856.0	63430.6	100195.0
0°	2441.9	3018.5	3925.7	5434.9	7978.6	12112.0	18403.3	27857.1	41999.8	65744.7	104976.2
-2.5°	2429.8	2998.8	3891.5	5371.8	7859.9	11894.9	18027.6	27206.2	40856.0	63430.6	100195.0
-5°	2393.5	2939.9	3789.4	5183.8	7507.0	11251.2	16916.9	25290.4	37512.5	56739.5	86632.3
-7.5°	2333.6	2842.9	3621.5	4875.1	6929.2	10201.8	15116.8	22210.9	32202.1	46306.1	66104.7
-10°	2250.9	2709.0	3390.5	4452.2	6141.1	8778.4	12694.0	18207.7	26103.0	36580.8	50490.6
-12.5°	2146.2	2540.3	3100.2	3924.0	5271.9	7388.0	10543.8	14901.6	20546.3	27452.6	36580.8
-15°	2031.0	2372.2	2851.1	3547.5	4587.0	6123.0	8285.8	11459.0	15658.8	20546.3	26103.0
-17.5°	1933.5	2215.4	2599.7	3118.2	3856.7	4998.9	6618.3	8717.4	11459.0	14901.6	18207.7
-20°	1823.9	2043.7	2359.0	2779.0	3342.1	4074.1	5138.6	6618.3	8285.8	10543.8	12694.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1726.7	1913.8	2151.7	2449.7	2870.5	3417.8	4074.1	4998.9	6123.0	7388.0	8778.4
-25°	1631.6	1777.6	1968.8	2208.6	2493.7	2870.5	3342.1	3856.7	4587.0	5271.9	6141.1
-27.5°	1532.8	1668.9	1809.0	1987.4	2208.6	2449.7	2779.0	3118.2	3547.5	3924.0	4452.2
-30°	1429.6	1556.0	1681.5	1809.0	1968.8	2151.7	2359.0	2599.7	2851.1	3100.2	3390.5
-32.5°	1338.8	1440.9	1556.0	1668.9	1777.6	1913.8	2043.7	2215.4	2372.2	2540.3	2709.0
-35°	1252.6	1338.8	1429.6	1532.8	1631.6	1726.7	1823.9	1933.5	2031.0	2146.2	2250.9
-37.5°	1184.2	1246.3	1320.9	1399.7	1487.0	1571.7	1651.9	1725.6	1791.6	1869.3	1934.1
-40°	1119.3	1172.0	1227.8	1285.6	1354.8	1419.7	1492.0	1557.2	1615.6	1667.5	1710.7
-42.5°	1057.7	1103.7	1149.7	1197.3	1243.4	1293.4	1347.9	1397.0	1445.9	1491.7	1529.6
-45°	1004.1	1041.1	1078.0	1118.5	1156.2	1195.1	1231.2	1263.6	1302.0	1336.3	1364.7
-47.5°	947.0	983.5	1016.7	1047.4	1077.8	1110.1	1139.5	1166.5	1192.8	1215.3	1234.0
-50°	890.5	922.1	954.2	984.3	1011.3	1035.7	1057.9	1079.8	1101.2	1119.4	1134.5
-52.5°	837.0	865.1	891.8	917.4	943.2	967.0	988.6	1007.0	1023.0	1036.7	1048.0
-55°	785.8	810.4	833.5	856.2	877.5	897.1	915.2	932.9	948.3	961.6	972.4
-57.5°	726.9	753.7	777.9	797.7	816.1	832.9	848.8	863.2	875.9	886.7	895.6
-60°	664.5	689.1	712.2	733.8	753.7	771.9	785.8	798.2	809.0	818.2	825.8
-62.5°	601.2	624.0	645.0	664.5	682.6	699.1	714.1	727.4	739.0	748.9	757.0
-65°	534.3	555.6	575.5	594.1	611.2	626.0	639.4	651.4	661.8	670.7	678.0
-67.5°	467.0	486.0	503.8	520.4	535.7	549.6	562.2	573.4	583.1	591.5	598.3
-70°	397.1	414.8	431.3	446.3	459.8	472.1	483.2	493.1	501.7	509.0	515.0
-72.5°	326.8	341.4	355.3	368.6	380.9	392.1	402.2	411.2	419.0	425.7	431.1
-75°	259.6	270.8	282.5	293.3	303.3	312.4	320.6	327.8	334.2	339.6	344.0
-77.5°	201.1	209.9	218.2	225.8	232.9	239.3	245.0	250.2	254.6	258.4	261.5
-80°	145.6	152.2	158.4	164.1	169.4	174.2	178.5	182.3	185.7	188.5	190.8
-82.5°	99.5	103.2	106.6	109.9	112.8	115.5	117.9	120.1	122.0	123.6	124.9
-85°	60.9	63.0	64.9	66.7	68.3	69.8	71.2	72.4	73.4	74.3	75.0
-87.5°	27.8	28.6	29.4	30.1	30.7	31.3	31.9	32.3	32.7	33.1	33.4
-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: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**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°	33.6	33.8	33.9	33.9	33.9	33.8	33.6	33.4	33.1	32.7	32.3
85°	75.6	76.0	76.2	76.3	76.2	76.0	75.6	75.0	74.3	73.4	72.4
82.5°	125.9	126.6	127.1	127.2	127.1	126.6	125.9	124.9	123.6	122.0	120.1
80°	192.7	194.0	194.7	195.0	194.7	194.0	192.7	190.8	188.5	185.7	182.3
77.5°	264.0	265.7	266.8	267.1	266.8	265.7	264.0	261.5	258.4	254.6	250.2
75°	347.4	349.9	351.4	351.9	351.4	349.9	347.4	344.0	339.6	334.2	327.8
72.5°	435.4	438.5	440.3	440.9	440.3	438.5	435.4	431.1	425.7	419.0	411.2
70°	519.7	523.0	525.0	525.7	525.0	523.0	519.7	515.0	509.0	501.7	493.1
67.5°	603.6	607.4	609.7	610.5	609.7	607.4	603.6	598.3	591.5	583.1	573.4
65°	683.6	687.7	690.2	691.0	690.2	687.7	683.6	678.0	670.7	661.8	651.4
62.5°	763.4	767.9	770.7	771.6	770.7	767.9	763.4	757.0	748.9	739.0	727.4
60°	831.7	836.0	838.5	839.4	838.5	836.0	831.7	825.8	818.2	809.0	798.2
57.5°	902.5	907.5	910.5	911.5	910.5	907.5	902.5	895.6	886.7	875.9	863.2
55°	981.0	987.1	990.8	992.0	990.8	987.1	981.0	972.4	961.6	948.3	932.9
52.5°	1056.8	1063.2	1067.0	1068.3	1067.0	1063.2	1056.8	1048.0	1036.7	1023.0	1007.0
50°	1146.3	1154.8	1159.9	1161.6	1159.9	1154.8	1146.3	1134.5	1119.4	1101.2	1079.8
47.5°	1248.6	1259.1	1265.5	1267.6	1265.5	1259.1	1248.6	1234.0	1215.3	1192.8	1166.5
45°	1387.0	1403.1	1412.8	1416.0	1412.8	1403.1	1387.0	1364.7	1336.3	1302.0	1263.6
42.5°	1559.5	1581.0	1594.0	1598.3	1594.0	1581.0	1559.5	1529.6	1491.7	1445.9	1397.0
40°	1744.7	1769.2	1784.0	1789.0	1784.0	1769.2	1744.7	1710.7	1667.5	1615.6	1557.2
37.5°	1985.2	2022.1	2044.4	2051.9	2044.4	2022.1	1985.2	1934.1	1869.3	1791.6	1725.6
35°	2333.6	2393.5	2429.8	2441.9	2429.8	2393.5	2333.6	2250.9	2146.2	2031.0	1933.5
32.5°	2842.9	2939.9	2998.8	3018.5	2998.8	2939.9	2842.9	2709.0	2540.3	2372.2	2215.4
30°	3621.5	3789.4	3891.5	3925.7	3891.5	3789.4	3621.5	3390.5	3100.2	2851.1	2599.7
27.5°	4875.1	5183.8	5371.8	5434.9	5371.8	5183.8	4875.1	4452.2	3924.0	3547.5	3118.2
25°	6929.2	7507.0	7859.9	7978.6	7859.9	7507.0	6929.2	6141.1	5271.9	4587.0	3856.7
22.5°	10201.8	11251.2	11894.9	12112.0	11894.9	11251.2	10201.8	8778.4	7388.0	6123.0	4998.9
20°	15116.8	16916.9	18027.6	18403.3	18027.6	16916.9	15116.8	12694.0	10543.8	8285.8	6618.3
17.5°	22210.9	25290.4	27206.2	27857.1	27206.2	25290.4	22210.9	18207.7	14901.6	11459.0	8717.4
15°	32202.1	37512.5	40856.0	41999.8	40856.0	37512.5	32202.1	26103.0	20546.3	15658.8	11459.0
12.5°	46306.1	56739.5	63430.6	65744.7	63430.6	56739.5	46306.1	36580.8	27452.6	20546.3	14901.6
10°	66104.7	86632.3	100195.0	104976.2	100195.0	86632.3	66104.7	50490.6	36580.8	26103.0	18207.7
7.5°	95695.4	130261.5	158305.4	168567.3	158305.4	130261.5	95695.4	66104.7	46306.1	32202.1	22210.9
5°	130261.5	183773.4	235620.9	256276.4	235620.9	183773.4	130261.5	86632.3	56739.5	37512.5	25290.4
2.5°	158305.4	235620.9	306668.7	342268.5	306668.7	235620.9	158305.4	100195.0	63430.6	40856.0	27206.2
0°	168567.3	256276.4	342268.5	379189.5	342268.5	256276.4	168567.3	104976.2	65744.7	41999.8	27857.1
-2.5°	158305.4	235620.9	306668.7	342268.5	306668.7	235620.9	158305.4	100195.0	63430.6	40856.0	27206.2
-5°	130261.5	183773.4	235620.9	256276.4	235620.9	183773.4	130261.5	86632.3	56739.5	37512.5	25290.4
-7.5°	95695.4	130261.5	158305.4	168567.3	158305.4	130261.5	95695.4	66104.7	46306.1	32202.1	22210.9
-10°	66104.7	86632.3	100195.0	104976.2	100195.0	86632.3	66104.7	50490.6	36580.8	26103.0	18207.7
-12.5°	46306.1	56739.5	63430.6	65744.7	63430.6	56739.5	46306.1	36580.8	27452.6	20546.3	14901.6
-15°	32202.1	37512.5	40856.0	41999.8	40856.0	37512.5	32202.1	26103.0	20546.3	15658.8	11459.0
-17.5°	22210.9	25290.4	27206.2	27857.1	27206.2	25290.4	22210.9	18207.7	14901.6	11459.0	8717.4
-20°	15116.8	16916.9	18027.6	18403.3	18027.6	16916.9	15116.8	12694.0	10543.8	8285.8	6618.3



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10201.8	11251.2	11894.9	12112.0	11894.9	11251.2	10201.8	8778.4	7388.0	6123.0	4998.9
-25°	6929.2	7507.0	7859.9	7978.6	7859.9	7507.0	6929.2	6141.1	5271.9	4587.0	3856.7
-27.5°	4875.1	5183.8	5371.8	5434.9	5371.8	5183.8	4875.1	4452.2	3924.0	3547.5	3118.2
-30°	3621.5	3789.4	3891.5	3925.7	3891.5	3789.4	3621.5	3390.5	3100.2	2851.1	2599.7
-32.5°	2842.9	2939.9	2998.8	3018.5	2998.8	2939.9	2842.9	2709.0	2540.3	2372.2	2215.4
-35°	2333.6	2393.5	2429.8	2441.9	2429.8	2393.5	2333.6	2250.9	2146.2	2031.0	1933.5
-37.5°	1985.2	2022.1	2044.4	2051.9	2044.4	2022.1	1985.2	1934.1	1869.3	1791.6	1725.6
-40°	1744.7	1769.2	1784.0	1789.0	1784.0	1769.2	1744.7	1710.7	1667.5	1615.6	1557.2
-42.5°	1559.5	1581.0	1594.0	1598.3	1594.0	1581.0	1559.5	1529.6	1491.7	1445.9	1397.0
-45°	1387.0	1403.1	1412.8	1416.0	1412.8	1403.1	1387.0	1364.7	1336.3	1302.0	1263.6
-47.5°	1248.6	1259.1	1265.5	1267.6	1265.5	1259.1	1248.6	1234.0	1215.3	1192.8	1166.5
-50°	1146.3	1154.8	1159.9	1161.6	1159.9	1154.8	1146.3	1134.5	1119.4	1101.2	1079.8
-52.5°	1056.8	1063.2	1067.0	1068.3	1067.0	1063.2	1056.8	1048.0	1036.7	1023.0	1007.0
-55°	981.0	987.1	990.8	992.0	990.8	987.1	981.0	972.4	961.6	948.3	932.9
-57.5°	902.5	907.5	910.5	911.5	910.5	907.5	902.5	895.6	886.7	875.9	863.2
-60°	831.7	836.0	838.5	839.4	838.5	836.0	831.7	825.8	818.2	809.0	798.2
-62.5°	763.4	767.9	770.7	771.6	770.7	767.9	763.4	757.0	748.9	739.0	727.4
-65°	683.6	687.7	690.2	691.0	690.2	687.7	683.6	678.0	670.7	661.8	651.4
-67.5°	603.6	607.4	609.7	610.5	609.7	607.4	603.6	598.3	591.5	583.1	573.4
-70°	519.7	523.0	525.0	525.7	525.0	523.0	519.7	515.0	509.0	501.7	493.1
-72.5°	435.4	438.5	440.3	440.9	440.3	438.5	435.4	431.1	425.7	419.0	411.2
-75°	347.4	349.9	351.4	351.9	351.4	349.9	347.4	344.0	339.6	334.2	327.8
-77.5°	264.0	265.7	266.8	267.1	266.8	265.7	264.0	261.5	258.4	254.6	250.2
-80°	192.7	194.0	194.7	195.0	194.7	194.0	192.7	190.8	188.5	185.7	182.3
-82.5°	125.9	126.6	127.1	127.2	127.1	126.6	125.9	124.9	123.6	122.0	120.1
-85°	75.6	76.0	76.2	76.3	76.2	76.0	75.6	75.0	74.3	73.4	72.4
-87.5°	33.6	33.8	33.9	33.9	33.9	33.8	33.6	33.4	33.1	32.7	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: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**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°	31.9	31.3	30.7	30.1	29.4	28.6	27.8	26.9	26.0	25.0	24.0
85°	71.2	69.8	68.3	66.7	64.9	63.0	60.9	58.7	56.4	54.0	51.4
82.5°	117.9	115.5	112.8	109.9	106.6	103.2	99.5	95.5	91.3	86.9	82.3
80°	178.5	174.2	169.4	164.1	158.4	152.2	145.6	138.5	131.1	124.3	118.1
77.5°	245.0	239.3	232.9	225.8	218.2	209.9	201.1	191.9	182.6	172.8	162.6
75°	320.6	312.4	303.3	293.3	282.5	270.8	259.6	248.3	236.4	223.9	210.7
72.5°	402.2	392.1	380.9	368.6	355.3	341.4	326.8	311.3	294.8	277.6	260.7
70°	483.2	472.1	459.8	446.3	431.3	414.8	397.1	378.4	358.6	338.5	317.8
67.5°	562.2	549.6	535.7	520.4	503.8	486.0	467.0	446.8	424.8	401.3	376.8
65°	639.4	626.0	611.2	594.1	575.5	555.6	534.3	511.8	488.0	463.1	436.9
62.5°	714.1	699.1	682.6	664.5	645.0	624.0	601.2	576.2	550.0	522.4	493.7
60°	785.8	771.9	753.7	733.8	712.2	689.1	664.5	638.5	611.2	581.0	549.6
57.5°	848.8	832.9	816.1	797.7	777.9	753.7	726.9	698.4	668.6	637.5	604.7
55°	915.2	897.1	877.5	856.2	833.5	810.4	785.8	757.7	725.3	691.5	656.5
52.5°	988.6	967.0	943.2	917.4	891.8	865.1	837.0	809.0	779.7	744.8	707.0
50°	1057.9	1035.7	1011.3	984.3	954.2	922.1	890.5	858.5	825.8	793.0	756.6
47.5°	1139.5	1110.1	1077.8	1047.4	1016.7	983.5	947.0	908.9	873.1	836.0	799.7
45°	1231.2	1195.1	1156.2	1118.5	1078.0	1041.1	1004.1	963.8	921.1	880.4	839.4
42.5°	1347.9	1293.4	1243.4	1197.3	1149.7	1103.7	1057.7	1016.3	972.3	925.3	880.4
40°	1492.0	1419.7	1354.8	1285.6	1227.8	1172.0	1119.3	1066.1	1020.4	972.3	921.1
37.5°	1651.9	1571.7	1487.0	1399.7	1320.9	1246.3	1184.2	1124.5	1066.1	1016.3	963.8
35°	1823.9	1726.7	1631.6	1532.8	1429.6	1338.8	1252.6	1184.2	1119.3	1057.7	1004.1
32.5°	2043.7	1913.8	1777.6	1668.9	1556.0	1440.9	1338.8	1246.3	1172.0	1103.7	1041.1
30°	2359.0	2151.7	1968.8	1809.0	1681.5	1556.0	1429.6	1320.9	1227.8	1149.7	1078.0
27.5°	2779.0	2449.7	2208.6	1987.4	1809.0	1668.9	1532.8	1399.7	1285.6	1197.3	1118.5
25°	3342.1	2870.5	2493.7	2208.6	1968.8	1777.6	1631.6	1487.0	1354.8	1243.4	1156.2
22.5°	4074.1	3417.8	2870.5	2449.7	2151.7	1913.8	1726.7	1571.7	1419.7	1293.4	1195.1
20°	5138.6	4074.1	3342.1	2779.0	2359.0	2043.7	1823.9	1651.9	1492.0	1347.9	1231.2
17.5°	6618.3	4998.9	3856.7	3118.2	2599.7	2215.4	1933.5	1725.6	1557.2	1397.0	1263.6
15°	8285.8	6123.0	4587.0	3547.5	2851.1	2372.2	2031.0	1791.6	1615.6	1445.9	1302.0
12.5°	10543.8	7388.0	5271.9	3924.0	3100.2	2540.3	2146.2	1869.3	1667.5	1491.7	1336.3
10°	12694.0	8778.4	6141.1	4452.2	3390.5	2709.0	2250.9	1934.1	1710.7	1529.6	1364.7
7.5°	15116.8	10201.8	6929.2	4875.1	3621.5	2842.9	2333.6	1985.2	1744.7	1559.5	1387.0
5°	16916.9	11251.2	7507.0	5183.8	3789.4	2939.9	2393.5	2022.1	1769.2	1581.0	1403.1
2.5°	18027.6	11894.9	7859.9	5371.8	3891.5	2998.8	2429.8	2044.4	1784.0	1594.0	1412.8
0°	18403.3	12112.0	7978.6	5434.9	3925.7	3018.5	2441.9	2051.9	1789.0	1598.3	1416.0
-2.5°	18027.6	11894.9	7859.9	5371.8	3891.5	2998.8	2429.8	2044.4	1784.0	1594.0	1412.8
-5°	16916.9	11251.2	7507.0	5183.8	3789.4	2939.9	2393.5	2022.1	1769.2	1581.0	1403.1
-7.5°	15116.8	10201.8	6929.2	4875.1	3621.5	2842.9	2333.6	1985.2	1744.7	1559.5	1387.0
-10°	12694.0	8778.4	6141.1	4452.2	3390.5	2709.0	2250.9	1934.1	1710.7	1529.6	1364.7
-12.5°	10543.8	7388.0	5271.9	3924.0	3100.2	2540.3	2146.2	1869.3	1667.5	1491.7	1336.3
-15°	8285.8	6123.0	4587.0	3547.5	2851.1	2372.2	2031.0	1791.6	1615.6	1445.9	1302.0
-17.5°	6618.3	4998.9	3856.7	3118.2	2599.7	2215.4	1933.5	1725.6	1557.2	1397.0	1263.6
-20°	5138.6	4074.1	3342.1	2779.0	2359.0	2043.7	1823.9	1651.9	1492.0	1347.9	1231.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4074.1	3417.8	2870.5	2449.7	2151.7	1913.8	1726.7	1571.7	1419.7	1293.4	1195.1
-25°	3342.1	2870.5	2493.7	2208.6	1968.8	1777.6	1631.6	1487.0	1354.8	1243.4	1156.2
-27.5°	2779.0	2449.7	2208.6	1987.4	1809.0	1668.9	1532.8	1399.7	1285.6	1197.3	1118.5
-30°	2359.0	2151.7	1968.8	1809.0	1681.5	1556.0	1429.6	1320.9	1227.8	1149.7	1078.0
-32.5°	2043.7	1913.8	1777.6	1668.9	1556.0	1440.9	1338.8	1246.3	1172.0	1103.7	1041.1
-35°	1823.9	1726.7	1631.6	1532.8	1429.6	1338.8	1252.6	1184.2	1119.3	1057.7	1004.1
-37.5°	1651.9	1571.7	1487.0	1399.7	1320.9	1246.3	1184.2	1124.5	1066.1	1016.3	963.8
-40°	1492.0	1419.7	1354.8	1285.6	1227.8	1172.0	1119.3	1066.1	1020.4	972.3	921.1
-42.5°	1347.9	1293.4	1243.4	1197.3	1149.7	1103.7	1057.7	1016.3	972.3	925.3	880.4
-45°	1231.2	1195.1	1156.2	1118.5	1078.0	1041.1	1004.1	963.8	921.1	880.4	839.4
-47.5°	1139.5	1110.1	1077.8	1047.4	1016.7	983.5	947.0	908.9	873.1	836.0	799.7
-50°	1057.9	1035.7	1011.3	984.3	954.2	922.1	890.5	858.5	825.8	793.0	756.6
-52.5°	988.6	967.0	943.2	917.4	891.8	865.1	837.0	809.0	779.7	744.8	707.0
-55°	915.2	897.1	877.5	856.2	833.5	810.4	785.8	757.7	725.3	691.5	656.5
-57.5°	848.8	832.9	816.1	797.7	777.9	753.7	726.9	698.4	668.6	637.5	604.7
-60°	785.8	771.9	753.7	733.8	712.2	689.1	664.5	638.5	611.2	581.0	549.6
-62.5°	714.1	699.1	682.6	664.5	645.0	624.0	601.2	576.2	550.0	522.4	493.7
-65°	639.4	626.0	611.2	594.1	575.5	555.6	534.3	511.8	488.0	463.1	436.9
-67.5°	562.2	549.6	535.7	520.4	503.8	486.0	467.0	446.8	424.8	401.3	376.8
-70°	483.2	472.1	459.8	446.3	431.3	414.8	397.1	378.4	358.6	338.5	317.8
-72.5°	402.2	392.1	380.9	368.6	355.3	341.4	326.8	311.3	294.8	277.6	260.7
-75°	320.6	312.4	303.3	293.3	282.5	270.8	259.6	248.3	236.4	223.9	210.7
-77.5°	245.0	239.3	232.9	225.8	218.2	209.9	201.1	191.9	182.6	172.8	162.6
-80°	178.5	174.2	169.4	164.1	158.4	152.2	145.6	138.5	131.1	124.3	118.1
-82.5°	117.9	115.5	112.8	109.9	106.6	103.2	99.5	95.5	91.3	86.9	82.3
-85°	71.2	69.8	68.3	66.7	64.9	63.0	60.9	58.7	56.4	54.0	51.4
-87.5°	31.9	31.3	30.7	30.1	29.4	28.6	27.8	26.9	26.0	25.0	24.0
-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: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**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°	22.9	21.8	20.6	19.4	18.2	16.9	15.6	14.3	13.0	11.6	10.2
85°	48.8	46.0	43.1	40.1	37.0	33.9	31.3	28.6	25.9	23.2	20.4
82.5°	77.5	73.1	68.8	64.3	59.7	55.0	50.1	45.1	40.1	34.9	30.5
80°	111.7	105.0	98.0	90.9	83.5	76.0	69.5	62.9	56.1	49.2	42.3
77.5°	151.8	140.7	129.1	119.7	110.5	101.0	91.3	81.4	72.1	63.5	54.8
75°	197.0	183.5	169.6	155.3	140.6	125.9	114.2	102.4	90.2	77.9	67.2
72.5°	244.6	228.0	210.8	193.2	176.0	158.3	140.3	123.2	109.0	94.7	80.1
70°	296.3	273.9	253.2	232.9	212.0	190.8	170.2	149.2	127.8	111.3	94.7
67.5°	351.3	326.1	300.1	273.2	248.8	224.7	200.1	176.2	152.2	127.8	109.0
65°	408.5	379.1	348.8	318.9	288.3	258.4	231.1	203.3	176.2	149.2	123.2
62.5°	463.9	432.6	399.1	364.6	330.4	295.9	261.6	231.1	200.1	170.2	140.3
60°	517.0	483.2	448.4	411.2	372.7	334.2	295.9	258.4	224.7	190.8	158.3
57.5°	569.3	532.6	494.9	456.2	415.3	372.7	330.4	288.3	248.8	212.0	176.0
55°	620.1	581.1	540.5	498.8	456.2	411.2	364.6	318.9	273.2	232.9	193.2
52.5°	668.0	627.7	585.1	540.5	494.9	448.4	399.1	348.8	300.1	253.2	210.8
50°	714.8	671.8	627.7	581.1	532.6	483.2	432.6	379.1	326.1	273.9	228.0
47.5°	760.5	714.8	668.0	620.1	569.3	517.0	463.9	408.5	351.3	296.3	244.6
45°	799.7	756.6	707.0	656.5	604.7	549.6	493.7	436.9	376.8	317.8	260.7
42.5°	836.0	793.0	744.8	691.5	637.5	581.0	522.4	463.1	401.3	338.5	277.6
40°	873.1	825.8	779.7	725.3	668.6	611.2	550.0	488.0	424.8	358.6	294.8
37.5°	908.9	858.5	809.0	757.7	698.4	638.5	576.2	511.8	446.8	378.4	311.3
35°	947.0	890.5	837.0	785.8	726.9	664.5	601.2	534.3	467.0	397.1	326.8
32.5°	983.5	922.1	865.1	810.4	753.7	689.1	624.0	555.6	486.0	414.8	341.4
30°	1016.7	954.2	891.8	833.5	777.9	712.2	645.0	575.5	503.8	431.3	355.3
27.5°	1047.4	984.3	917.4	856.2	797.7	733.8	664.5	594.1	520.4	446.3	368.6
25°	1077.8	1011.3	943.2	877.5	816.1	753.7	682.6	611.2	535.7	459.8	380.9
22.5°	1110.1	1035.7	967.0	897.1	832.9	771.9	699.1	626.0	549.6	472.1	392.1
20°	1139.5	1057.9	988.6	915.2	848.8	785.8	714.1	639.4	562.2	483.2	402.2
17.5°	1166.5	1079.8	1007.0	932.9	863.2	798.2	727.4	651.4	573.4	493.1	411.2
15°	1192.8	1101.2	1023.0	948.3	875.9	809.0	739.0	661.8	583.1	501.7	419.0
12.5°	1215.3	1119.4	1036.7	961.6	886.7	818.2	748.9	670.7	591.5	509.0	425.7
10°	1234.0	1134.5	1048.0	972.4	895.6	825.8	757.0	678.0	598.3	515.0	431.1
7.5°	1248.6	1146.3	1056.8	981.0	902.5	831.7	763.4	683.6	603.6	519.7	435.4
5°	1259.1	1154.8	1063.2	987.1	907.5	836.0	767.9	687.7	607.4	523.0	438.5
2.5°	1265.5	1159.9	1067.0	990.8	910.5	838.5	770.7	690.2	609.7	525.0	440.3
0°	1267.6	1161.6	1068.3	992.0	911.5	839.4	771.6	691.0	610.5	525.7	440.9
-2.5°	1265.5	1159.9	1067.0	990.8	910.5	838.5	770.7	690.2	609.7	525.0	440.3
-5°	1259.1	1154.8	1063.2	987.1	907.5	836.0	767.9	687.7	607.4	523.0	438.5
-7.5°	1248.6	1146.3	1056.8	981.0	902.5	831.7	763.4	683.6	603.6	519.7	435.4
-10°	1234.0	1134.5	1048.0	972.4	895.6	825.8	757.0	678.0	598.3	515.0	431.1
-12.5°	1215.3	1119.4	1036.7	961.6	886.7	818.2	748.9	670.7	591.5	509.0	425.7
-15°	1192.8	1101.2	1023.0	948.3	875.9	809.0	739.0	661.8	583.1	501.7	419.0
-17.5°	1166.5	1079.8	1007.0	932.9	863.2	798.2	727.4	651.4	573.4	493.1	411.2
-20°	1139.5	1057.9	988.6	915.2	848.8	785.8	714.1	639.4	562.2	483.2	402.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1110.1	1035.7	967.0	897.1	832.9	771.9	699.1	626.0	549.6	472.1	392.1
-25°	1077.8	1011.3	943.2	877.5	816.1	753.7	682.6	611.2	535.7	459.8	380.9
-27.5°	1047.4	984.3	917.4	856.2	797.7	733.8	664.5	594.1	520.4	446.3	368.6
-30°	1016.7	954.2	891.8	833.5	777.9	712.2	645.0	575.5	503.8	431.3	355.3
-32.5°	983.5	922.1	865.1	810.4	753.7	689.1	624.0	555.6	486.0	414.8	341.4
-35°	947.0	890.5	837.0	785.8	726.9	664.5	601.2	534.3	467.0	397.1	326.8
-37.5°	908.9	858.5	809.0	757.7	698.4	638.5	576.2	511.8	446.8	378.4	311.3
-40°	873.1	825.8	779.7	725.3	668.6	611.2	550.0	488.0	424.8	358.6	294.8
-42.5°	836.0	793.0	744.8	691.5	637.5	581.0	522.4	463.1	401.3	338.5	277.6
-45°	799.7	756.6	707.0	656.5	604.7	549.6	493.7	436.9	376.8	317.8	260.7
-47.5°	760.5	714.8	668.0	620.1	569.3	517.0	463.9	408.5	351.3	296.3	244.6
-50°	714.8	671.8	627.7	581.1	532.6	483.2	432.6	379.1	326.1	273.9	228.0
-52.5°	668.0	627.7	585.1	540.5	494.9	448.4	399.1	348.8	300.1	253.2	210.8
-55°	620.1	581.1	540.5	498.8	456.2	411.2	364.6	318.9	273.2	232.9	193.2
-57.5°	569.3	532.6	494.9	456.2	415.3	372.7	330.4	288.3	248.8	212.0	176.0
-60°	517.0	483.2	448.4	411.2	372.7	334.2	295.9	258.4	224.7	190.8	158.3
-62.5°	463.9	432.6	399.1	364.6	330.4	295.9	261.6	231.1	200.1	170.2	140.3
-65°	408.5	379.1	348.8	318.9	288.3	258.4	231.1	203.3	176.2	149.2	123.2
-67.5°	351.3	326.1	300.1	273.2	248.8	224.7	200.1	176.2	152.2	127.8	109.0
-70°	296.3	273.9	253.2	232.9	212.0	190.8	170.2	149.2	127.8	111.3	94.7
-72.5°	244.6	228.0	210.8	193.2	176.0	158.3	140.3	123.2	109.0	94.7	80.1
-75°	197.0	183.5	169.6	155.3	140.6	125.9	114.2	102.4	90.2	77.9	67.2
-77.5°	151.8	140.7	129.1	119.7	110.5	101.0	91.3	81.4	72.1	63.5	54.8
-80°	111.7	105.0	98.0	90.9	83.5	76.0	69.5	62.9	56.1	49.2	42.3
-82.5°	77.5	73.1	68.8	64.3	59.7	55.0	50.1	45.1	40.1	34.9	30.5
-85°	48.8	46.0	43.1	40.1	37.0	33.9	31.3	28.6	25.9	23.2	20.4
-87.5°	22.9	21.8	20.6	19.4	18.2	16.9	15.6	14.3	13.0	11.6	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

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**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°	8.8	7.3	5.9	4.4	3.0	1.5	0.0
85°	17.5	14.7	11.8	8.8	5.9	3.0	0.0
82.5°	26.3	22.0	17.6	13.2	8.8	4.4	0.0
80°	35.2	29.2	23.4	17.6	11.8	5.9	0.0
77.5°	46.0	37.0	29.2	22.0	14.7	7.3	0.0
75°	56.6	46.0	35.2	26.3	17.5	8.8	0.0
72.5°	67.2	54.8	42.3	30.5	20.4	10.2	0.0
70°	77.9	63.5	49.2	34.9	23.2	11.6	0.0
67.5°	90.2	72.1	56.1	40.1	25.9	13.0	0.0
65°	102.4	81.4	62.9	45.1	28.6	14.3	0.0
62.5°	114.2	91.3	69.5	50.1	31.3	15.6	0.0
60°	125.9	101.0	76.0	55.0	33.9	16.9	0.0
57.5°	140.6	110.5	83.5	59.7	37.0	18.2	0.0
55°	155.3	119.7	90.9	64.3	40.1	19.4	0.0
52.5°	169.6	129.1	98.0	68.8	43.1	20.6	0.0
50°	183.5	140.7	105.0	73.1	46.0	21.8	0.0
47.5°	197.0	151.8	111.7	77.5	48.8	22.9	0.0
45°	210.7	162.6	118.1	82.3	51.4	24.0	0.0
42.5°	223.9	172.8	124.3	86.9	54.0	25.0	0.0
40°	236.4	182.6	131.1	91.3	56.4	26.0	0.0
37.5°	248.3	191.9	138.5	95.5	58.7	26.9	0.0
35°	259.6	201.1	145.6	99.5	60.9	27.8	0.0
32.5°	270.8	209.9	152.2	103.2	63.0	28.6	0.0
30°	282.5	218.2	158.4	106.6	64.9	29.4	0.0
27.5°	293.3	225.8	164.1	109.9	66.7	30.1	0.0
25°	303.3	232.9	169.4	112.8	68.3	30.7	0.0
22.5°	312.4	239.3	174.2	115.5	69.8	31.3	0.0
20°	320.6	245.0	178.5	117.9	71.2	31.9	0.0
17.5°	327.8	250.2	182.3	120.1	72.4	32.3	0.0
15°	334.2	254.6	185.7	122.0	73.4	32.7	0.0
12.5°	339.6	258.4	188.5	123.6	74.3	33.1	0.0
10°	344.0	261.5	190.8	124.9	75.0	33.4	0.0
7.5°	347.4	264.0	192.7	125.9	75.6	33.6	0.0
5°	349.9	265.7	194.0	126.6	76.0	33.8	0.0
2.5°	351.4	266.8	194.7	127.1	76.2	33.9	0.0
0°	351.9	267.1	195.0	127.2	76.3	33.9	0.0
-2.5°	351.4	266.8	194.7	127.1	76.2	33.9	0.0
-5°	349.9	265.7	194.0	126.6	76.0	33.8	0.0
-7.5°	347.4	264.0	192.7	125.9	75.6	33.6	0.0
-10°	344.0	261.5	190.8	124.9	75.0	33.4	0.0
-12.5°	339.6	258.4	188.5	123.6	74.3	33.1	0.0
-15°	334.2	254.6	185.7	122.0	73.4	32.7	0.0
-17.5°	327.8	250.2	182.3	120.1	72.4	32.3	0.0
-20°	320.6	245.0	178.5	117.9	71.2	31.9	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624785 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	312.4	239.3	174.2	115.5	69.8	31.3	0.0
-25°	303.3	232.9	169.4	112.8	68.3	30.7	0.0
-27.5°	293.3	225.8	164.1	109.9	66.7	30.1	0.0
-30°	282.5	218.2	158.4	106.6	64.9	29.4	0.0
-32.5°	270.8	209.9	152.2	103.2	63.0	28.6	0.0
-35°	259.6	201.1	145.6	99.5	60.9	27.8	0.0
-37.5°	248.3	191.9	138.5	95.5	58.7	26.9	0.0
-40°	236.4	182.6	131.1	91.3	56.4	26.0	0.0
-42.5°	223.9	172.8	124.3	86.9	54.0	25.0	0.0
-45°	210.7	162.6	118.1	82.3	51.4	24.0	0.0
-47.5°	197.0	151.8	111.7	77.5	48.8	22.9	0.0
-50°	183.5	140.7	105.0	73.1	46.0	21.8	0.0
-52.5°	169.6	129.1	98.0	68.8	43.1	20.6	0.0
-55°	155.3	119.7	90.9	64.3	40.1	19.4	0.0
-57.5°	140.6	110.5	83.5	59.7	37.0	18.2	0.0
-60°	125.9	101.0	76.0	55.0	33.9	16.9	0.0
-62.5°	114.2	91.3	69.5	50.1	31.3	15.6	0.0
-65°	102.4	81.4	62.9	45.1	28.6	14.3	0.0
-67.5°	90.2	72.1	56.1	40.1	25.9	13.0	0.0
-70°	77.9	63.5	49.2	34.9	23.2	11.6	0.0
-72.5°	67.2	54.8	42.3	30.5	20.4	10.2	0.0
-75°	56.6	46.0	35.2	26.3	17.5	8.8	0.0
-77.5°	46.0	37.0	29.2	22.0	14.7	7.3	0.0
-80°	35.2	29.2	23.4	17.6	11.8	5.9	0.0
-82.5°	26.3	22.0	17.6	13.2	8.8	4.4	0.0
-85°	17.5	14.7	11.8	8.8	5.9	3.0	0.0
-87.5°	8.8	7.3	5.9	4.4	3.0	1.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)