

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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-4000K-33**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624771 (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-06-E-PRO-4000K-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: 48669.7 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 13.8°H x 13.8°V  
Beam Lumens: 14192 lumens  
Beam Efficiency: 29.2%

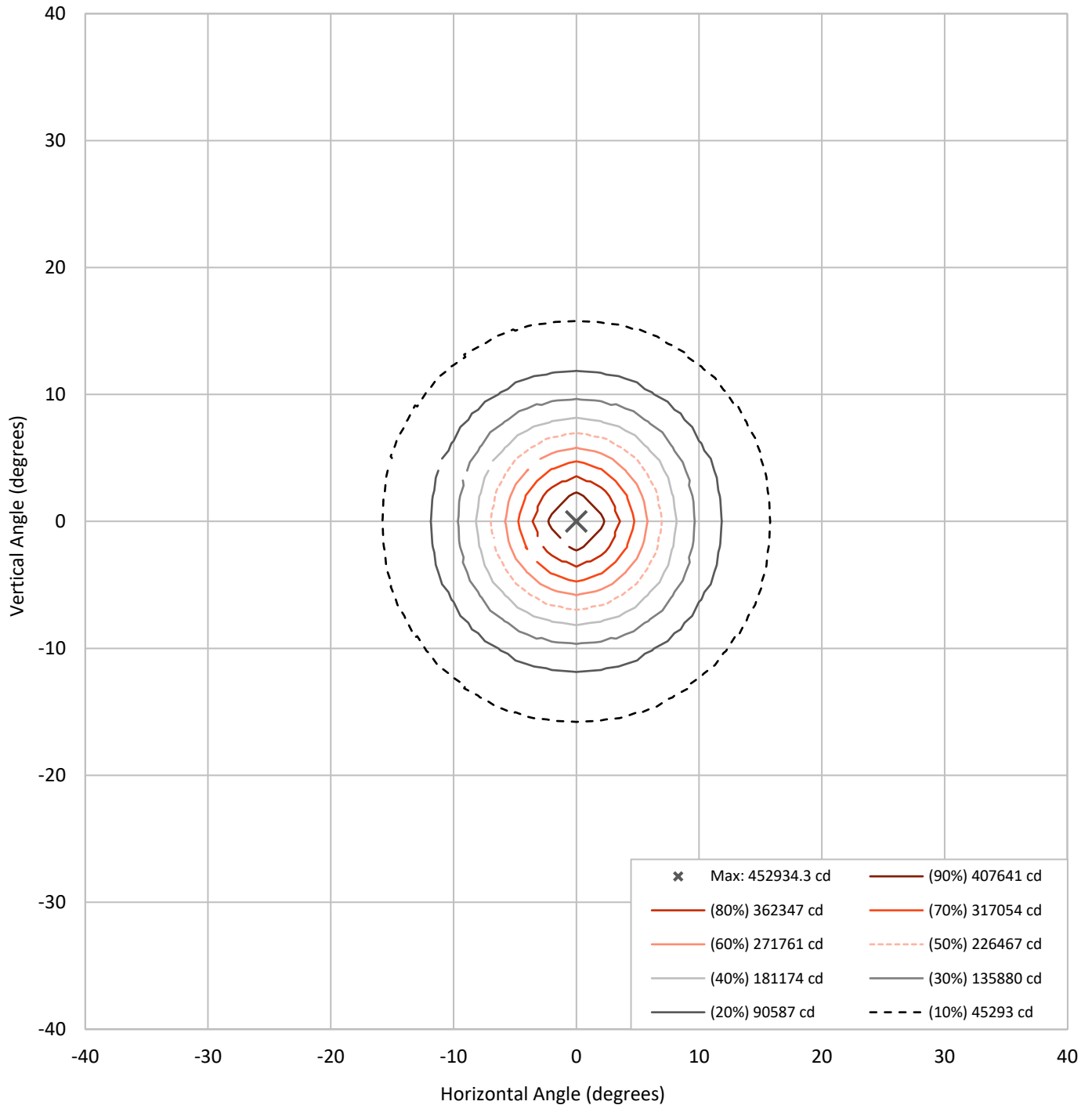
Field Angle (10%): 31.4°H x 31.4°V  
Field Lumens: 33044.9 lumens  
Field Efficiency: 67.9%

NEMA Type: 3H x 3V  
Max Intensity: 452934.3 candela  
Max Intensity Angle: 0°H x 0°V

Input Watts (W): 374.3  
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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

### Iso-Candela Plot





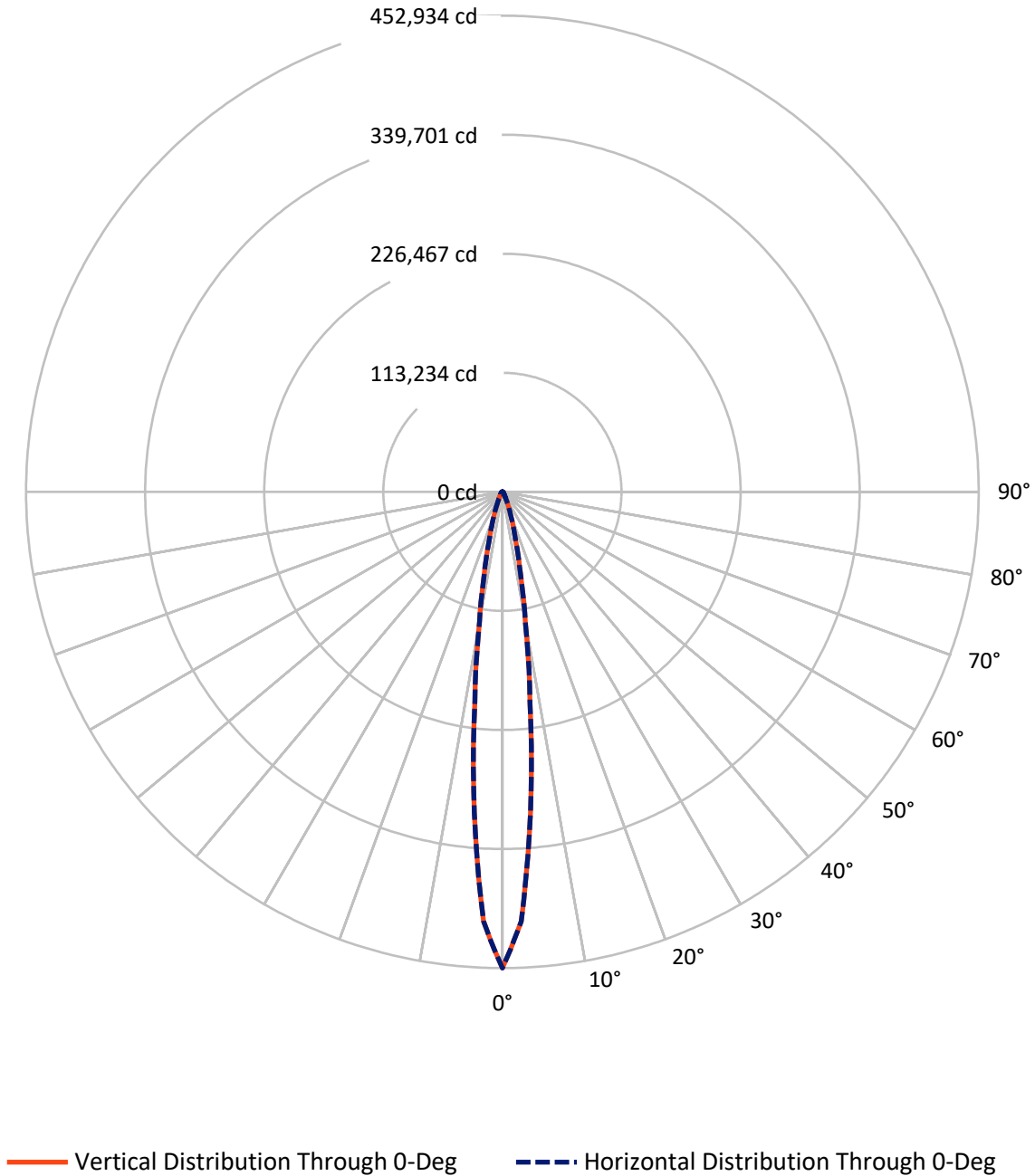
REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

### Lumen Table

90	0.8	6.3	16.7	27.2	31.5	27.2	16.7	6.3	0.8							
80	0.8	6.3	16.7	27.2	31.5	27.2	16.7	6.3	0.8							
70	2.9	3.2	6.7	11.2	15.9	20.0	23.1	24.8	24.8	23.1	20.0	15.9	11.2	6.7	3.2	2.9
60		5.0	10.4	16.9	23.3	28.9	33.3	35.7	35.7	33.3	28.9	23.3	16.9	10.4	5.0	
50	5.2	6.8	13.7	21.6	29.9	38.4	46.4	51.5	51.5	46.4	38.4	29.9	21.6	13.7	6.8	5.2
40		8.3	16.4	25.9	37.9	54.2	74.1	91.0	91.0	74.1	54.2	37.9	25.9	16.4	8.3	
30	7.0	9.5	18.4	30.1	49.1	86.7	177.0	302.9	302.9	177.0	86.7	49.1	30.1	18.4	9.5	7.0
20		10.3	19.9	34.2	63.2	166.9	599.7	1490.1	1490.1	599.7	166.9	63.2	34.2	19.9	10.3	
10	7.7	10.7	20.7	36.7	75.3	278.0	1451.9	6376.1	6376.1	1451.9	278.0	75.3	36.7	20.7	10.7	7.7
0		10.7	20.7	36.7	75.3	278.0	1451.9	6376.1	6376.1	1451.9	278.0	75.3	36.7	20.7	10.7	
-10	7.0	10.3	19.9	34.2	63.2	166.9	599.7	1490.1	1490.1	599.7	166.9	63.2	34.2	19.9	10.3	7.0
-20		9.5	18.4	30.1	49.1	86.7	177.0	302.9	302.9	177.0	86.7	49.1	30.1	18.4	9.5	
-30	5.2	8.3	16.4	25.9	37.9	54.2	74.1	91.0	91.0	74.1	54.2	37.9	25.9	16.4	8.3	5.2
-40		6.8	13.7	21.6	29.9	38.4	46.4	51.5	51.5	46.4	38.4	29.9	21.6	13.7	6.8	
-50	2.9	5.0	10.4	16.9	23.3	28.9	33.3	35.7	35.7	33.3	28.9	23.3	16.9	10.4	5.0	2.9
-60		3.2	6.7	11.2	15.9	20.0	23.1	24.8	24.8	23.1	20.0	15.9	11.2	6.7	3.2	
-70	0.8	6.3	16.7	27.2	31.5	27.2	16.7	6.3	0.8							
-80		0.8	6.3	16.7	27.2	31.5	27.2	16.7	6.3	0.8						
-90	0.8	6.3	16.7	27.2	31.5	27.2	16.7	6.3	0.8							

REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

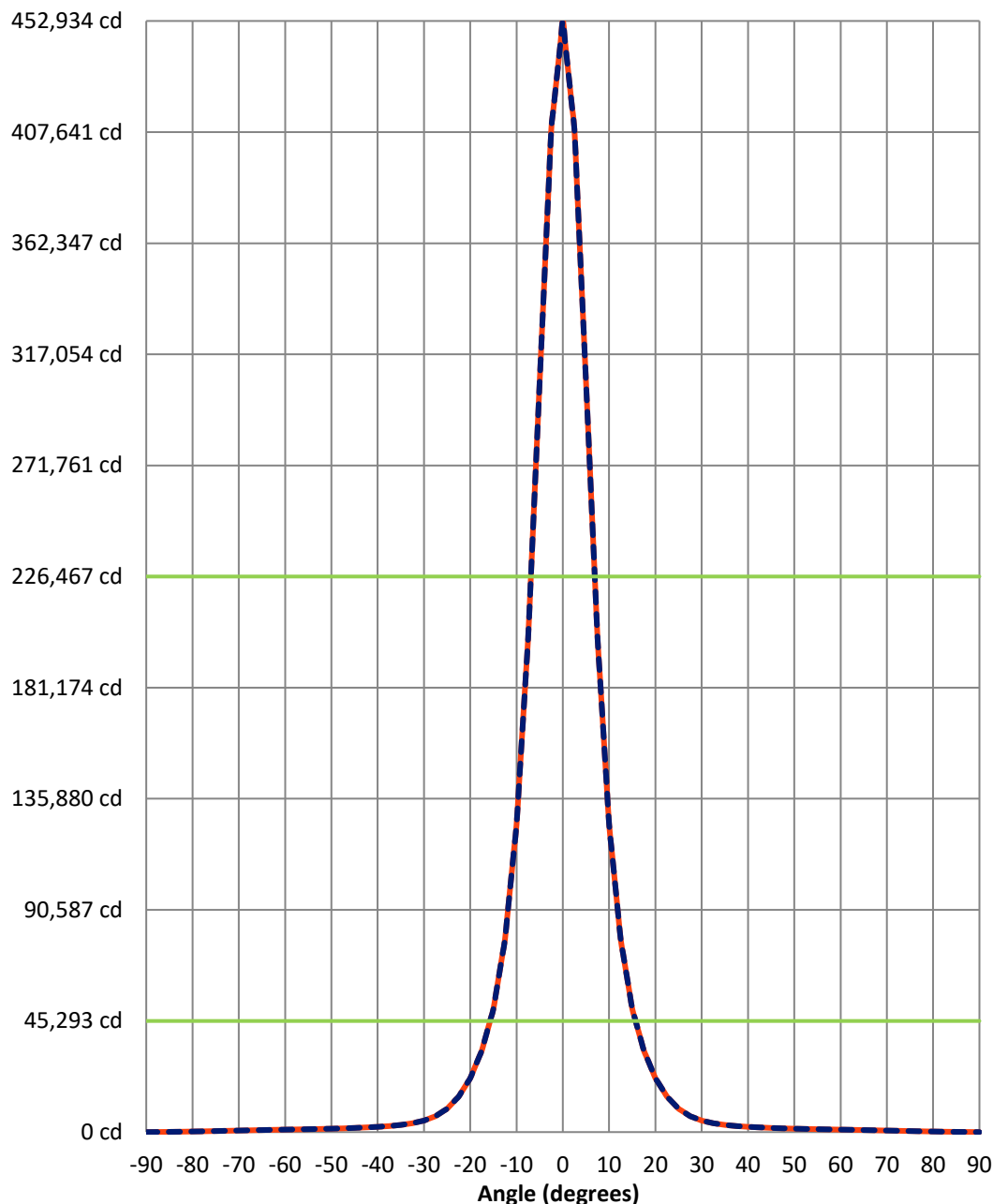
### Luminous Intensity Polar Plot





REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

### Luminous Intensity Plot



**Beam:**  
 H Angle: 13.8°  
 V Angle: 13.8°  
 Lumens: 14192  
 Efficiency: 29.2%

**Field:**  
 H Angle: 31.4°  
 V Angle: 31.4°  
 Lumens: 33044.9  
 Efficiency: 67.9%

**Spill:**  
 Lumens: 15624.8  
 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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-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	1.8	3.5	5.3	7.0	8.8	10.5	12.2	13.8	15.5	17.1
85°	0.0	3.5	7.1	10.6	14.0	17.5	20.9	24.3	27.7	31.0	34.2
82.5°	0.0	5.3	10.6	15.8	21.0	26.2	31.4	36.4	41.7	47.8	53.9
80°	0.0	7.0	14.0	21.0	28.0	34.9	42.0	50.5	58.8	67.0	75.1
77.5°	0.0	8.8	17.5	26.2	34.9	44.2	54.9	65.4	75.8	86.1	97.1
75°	0.0	10.5	20.9	31.4	42.0	54.9	67.6	80.2	93.0	107.7	122.2
72.5°	0.0	12.2	24.3	36.4	50.5	65.4	80.2	95.7	113.1	130.2	147.1
70°	0.0	13.8	27.7	41.7	58.8	75.8	93.0	113.1	132.9	152.6	178.2
67.5°	0.0	15.5	31.0	47.8	67.0	86.1	107.7	130.2	152.6	181.7	210.5
65°	0.0	17.1	34.2	53.9	75.1	97.1	122.2	147.1	178.2	210.5	242.8
62.5°	0.0	18.7	37.4	59.8	83.0	109.0	136.4	167.5	203.3	239.0	276.1
60°	0.0	20.2	40.5	65.6	90.7	120.6	150.3	189.1	227.9	268.4	308.6
57.5°	0.0	21.8	44.2	71.3	99.7	131.9	167.9	210.2	253.2	297.1	344.3
55°	0.0	23.2	47.9	76.8	108.5	142.9	185.5	230.7	278.1	326.3	380.9
52.5°	0.0	24.6	51.5	82.1	117.1	154.2	202.6	251.8	302.4	358.4	416.6
50°	0.0	26.0	54.9	87.3	125.4	168.0	219.2	272.3	327.1	389.5	452.7
47.5°	0.0	27.4	58.2	92.5	133.3	181.3	235.3	292.2	353.8	419.6	487.9
45°	0.0	28.6	61.4	98.3	141.0	194.1	251.7	311.3	379.6	450.1	521.8
42.5°	0.0	29.9	64.5	103.8	148.4	206.4	267.4	331.5	404.3	479.3	553.1
40°	0.0	31.0	67.4	109.1	156.6	218.1	282.3	352.1	428.3	507.3	582.9
37.5°	0.0	32.1	70.1	114.1	165.5	229.3	296.6	371.8	451.9	533.7	611.3
35°	0.0	33.2	72.8	118.8	173.9	240.2	310.1	390.3	474.3	557.8	638.2
32.5°	0.0	34.2	75.2	123.2	181.8	250.7	323.4	407.8	495.4	580.5	663.6
30°	0.0	35.1	77.5	127.3	189.1	260.6	337.3	424.3	515.1	601.7	687.4
27.5°	0.0	35.9	79.6	131.2	196.0	269.7	350.3	440.3	533.1	621.5	709.6
25°	0.0	36.7	81.6	134.7	202.3	278.1	362.2	455.0	549.2	639.8	730.0
22.5°	0.0	37.4	83.4	137.9	208.0	285.8	373.1	468.3	563.9	656.5	747.8
20°	0.0	38.1	85.0	140.8	213.2	292.7	382.9	480.4	577.1	671.5	763.8
17.5°	0.0	38.6	86.4	143.4	217.8	298.8	391.6	491.1	588.9	684.9	778.1
15°	0.0	39.1	87.6	145.7	221.8	304.1	399.1	500.5	599.2	696.5	790.5
12.5°	0.0	39.5	88.7	147.6	225.1	308.6	405.6	508.4	607.9	706.5	801.1
10°	0.0	39.9	89.6	149.1	227.9	312.4	410.9	514.9	615.1	714.6	809.8
7.5°	0.0	40.2	90.2	150.3	230.1	315.3	415.0	520.0	620.7	721.0	816.6
5°	0.0	40.3	90.7	151.2	231.7	317.3	417.9	523.7	624.7	725.5	821.5
2.5°	0.0	40.5	91.0	151.7	232.6	318.6	419.7	525.9	627.1	728.3	824.4
0°	0.0	40.5	91.1	151.9	232.9	319.0	420.3	526.6	627.9	729.2	825.4
-2.5°	0.0	40.5	91.0	151.7	232.6	318.6	419.7	525.9	627.1	728.3	824.4
-5°	0.0	40.3	90.7	151.2	231.7	317.3	417.9	523.7	624.7	725.5	821.5
-7.5°	0.0	40.2	90.2	150.3	230.1	315.3	415.0	520.0	620.7	721.0	816.6
-10°	0.0	39.9	89.6	149.1	227.9	312.4	410.9	514.9	615.1	714.6	809.8
-12.5°	0.0	39.5	88.7	147.6	225.1	308.6	405.6	508.4	607.9	706.5	801.1
-15°	0.0	39.1	87.6	145.7	221.8	304.1	399.1	500.5	599.2	696.5	790.5
-17.5°	0.0	38.6	86.4	143.4	217.8	298.8	391.6	491.1	588.9	684.9	778.1
-20°	0.0	38.1	85.0	140.8	213.2	292.7	382.9	480.4	577.1	671.5	763.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	37.4	83.4	137.9	208.0	285.8	373.1	468.3	563.9	656.5	747.8
-25°	0.0	36.7	81.6	134.7	202.3	278.1	362.2	455.0	549.2	639.8	730.0
-27.5°	0.0	35.9	79.6	131.2	196.0	269.7	350.3	440.3	533.1	621.5	709.6
-30°	0.0	35.1	77.5	127.3	189.1	260.6	337.3	424.3	515.1	601.7	687.4
-32.5°	0.0	34.2	75.2	123.2	181.8	250.7	323.4	407.8	495.4	580.5	663.6
-35°	0.0	33.2	72.8	118.8	173.9	240.2	310.1	390.3	474.3	557.8	638.2
-37.5°	0.0	32.1	70.1	114.1	165.5	229.3	296.6	371.8	451.9	533.7	611.3
-40°	0.0	31.0	67.4	109.1	156.6	218.1	282.3	352.1	428.3	507.3	582.9
-42.5°	0.0	29.9	64.5	103.8	148.4	206.4	267.4	331.5	404.3	479.3	553.1
-45°	0.0	28.6	61.4	98.3	141.0	194.1	251.7	311.3	379.6	450.1	521.8
-47.5°	0.0	27.4	58.2	92.5	133.3	181.3	235.3	292.2	353.8	419.6	487.9
-50°	0.0	26.0	54.9	87.3	125.4	168.0	219.2	272.3	327.1	389.5	452.7
-52.5°	0.0	24.6	51.5	82.1	117.1	154.2	202.6	251.8	302.4	358.4	416.6
-55°	0.0	23.2	47.9	76.8	108.5	142.9	185.5	230.7	278.1	326.3	380.9
-57.5°	0.0	21.8	44.2	71.3	99.7	131.9	167.9	210.2	253.2	297.1	344.3
-60°	0.0	20.2	40.5	65.6	90.7	120.6	150.3	189.1	227.9	268.4	308.6
-62.5°	0.0	18.7	37.4	59.8	83.0	109.0	136.4	167.5	203.3	239.0	276.1
-65°	0.0	17.1	34.2	53.9	75.1	97.1	122.2	147.1	178.2	210.5	242.8
-67.5°	0.0	15.5	31.0	47.8	67.0	86.1	107.7	130.2	152.6	181.7	210.5
-70°	0.0	13.8	27.7	41.7	58.8	75.8	93.0	113.1	132.9	152.6	178.2
-72.5°	0.0	12.2	24.3	36.4	50.5	65.4	80.2	95.7	113.1	130.2	147.1
-75°	0.0	10.5	20.9	31.4	42.0	54.9	67.6	80.2	93.0	107.7	122.2
-77.5°	0.0	8.8	17.5	26.2	34.9	44.2	54.9	65.4	75.8	86.1	97.1
-80°	0.0	7.0	14.0	21.0	28.0	34.9	42.0	50.5	58.8	67.0	75.1
-82.5°	0.0	5.3	10.6	15.8	21.0	26.2	31.4	36.4	41.7	47.8	53.9
-85°	0.0	3.5	7.1	10.6	14.0	17.5	20.9	24.3	27.7	31.0	34.2
-87.5°	0.0	1.8	3.5	5.3	7.0	8.8	10.5	12.2	13.8	15.5	17.1
-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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-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°	18.7	20.2	21.8	23.2	24.6	26.0	27.4	28.6	29.9	31.0	32.1
85°	37.4	40.5	44.2	47.9	51.5	54.9	58.2	61.4	64.5	67.4	70.1
82.5°	59.8	65.6	71.3	76.8	82.1	87.3	92.5	98.3	103.8	109.1	114.1
80°	83.0	90.7	99.7	108.5	117.1	125.4	133.3	141.0	148.4	156.6	165.5
77.5°	109.0	120.6	131.9	142.9	154.2	168.0	181.3	194.1	206.4	218.1	229.3
75°	136.4	150.3	167.9	185.5	202.6	219.2	235.3	251.7	267.4	282.3	296.6
72.5°	167.5	189.1	210.2	230.7	251.8	272.3	292.2	311.3	331.5	352.1	371.8
70°	203.3	227.9	253.2	278.1	302.4	327.1	353.8	379.6	404.3	428.3	451.9
67.5°	239.0	268.4	297.1	326.3	358.4	389.5	419.6	450.1	479.3	507.3	533.7
65°	276.1	308.6	344.3	380.9	416.6	452.7	487.9	521.8	553.1	582.9	611.3
62.5°	312.5	353.4	394.6	435.5	476.7	516.6	554.0	589.7	624.0	656.9	688.3
60°	353.4	399.1	445.1	491.1	535.6	577.1	617.5	656.5	694.0	730.0	762.7
57.5°	394.6	445.1	496.0	544.8	591.1	636.2	679.9	722.3	761.4	798.7	834.3
55°	435.5	491.1	544.8	595.8	645.6	694.1	740.7	784.1	826.0	866.4	905.0
52.5°	476.7	535.6	591.1	645.6	698.9	749.8	797.9	844.5	889.6	931.2	966.3
50°	516.6	577.1	636.2	694.1	749.8	802.5	853.8	903.7	947.2	986.4	1025.4
47.5°	554.0	617.5	679.9	740.7	797.9	853.8	908.4	955.2	998.5	1042.8	1085.6
45°	589.7	656.5	722.3	784.1	844.5	903.7	955.2	1002.6	1051.6	1100.2	1151.2
42.5°	624.0	694.0	761.4	826.0	889.6	947.2	998.5	1051.6	1105.2	1161.3	1214.0
40°	656.9	730.0	798.7	866.4	931.2	986.4	1042.8	1100.2	1161.3	1218.9	1273.4
37.5°	688.3	762.7	834.3	905.0	966.3	1025.4	1085.6	1151.2	1214.0	1273.4	1343.2
35°	718.1	793.8	868.2	938.6	999.7	1063.6	1131.1	1199.4	1263.4	1337.0	1414.5
32.5°	745.3	823.2	900.3	968.0	1033.3	1101.3	1174.7	1243.6	1318.4	1400.0	1488.7
30°	770.4	850.8	929.1	995.6	1065.2	1139.7	1214.4	1287.7	1373.2	1466.5	1577.8
27.5°	793.8	876.5	952.8	1022.6	1095.7	1175.7	1251.2	1336.0	1430.1	1535.6	1671.9
25°	815.4	900.3	974.8	1048.1	1126.6	1207.9	1287.5	1381.1	1485.1	1618.2	1776.1
22.5°	835.1	922.0	994.9	1071.5	1155.0	1237.1	1326.0	1427.5	1544.9	1695.7	1877.3
20°	852.9	938.6	1013.8	1093.1	1180.8	1263.6	1361.1	1470.6	1610.0	1782.1	1973.2
17.5°	868.8	953.4	1031.0	1114.2	1202.8	1289.9	1393.3	1509.3	1668.7	1860.0	2061.2
15°	882.7	966.3	1046.2	1132.7	1222.0	1315.3	1424.8	1555.2	1727.1	1929.7	2140.1
12.5°	894.5	977.3	1059.0	1148.5	1238.3	1337.1	1451.7	1596.1	1781.7	1991.8	2232.9
10°	904.2	986.4	1069.7	1161.5	1251.8	1355.1	1474.0	1630.1	1827.1	2043.4	2310.2
7.5°	911.8	993.4	1078.0	1171.7	1262.4	1369.2	1491.4	1656.7	1862.7	2084.1	2371.3
5°	917.2	998.5	1083.9	1179.0	1270.0	1379.4	1504.0	1675.9	1888.4	2113.4	2415.3
2.5°	920.5	1001.6	1087.5	1183.4	1274.6	1385.5	1511.6	1687.4	1903.9	2131.1	2442.0
0°	921.6	1002.6	1088.7	1184.9	1276.1	1387.5	1514.1	1691.3	1909.1	2137.0	2450.9
-2.5°	920.5	1001.6	1087.5	1183.4	1274.6	1385.5	1511.6	1687.4	1903.9	2131.1	2442.0
-5°	917.2	998.5	1083.9	1179.0	1270.0	1379.4	1504.0	1675.9	1888.4	2113.4	2415.3
-7.5°	911.8	993.4	1078.0	1171.7	1262.4	1369.2	1491.4	1656.7	1862.7	2084.1	2371.3
-10°	904.2	986.4	1069.7	1161.5	1251.8	1355.1	1474.0	1630.1	1827.1	2043.4	2310.2
-12.5°	894.5	977.3	1059.0	1148.5	1238.3	1337.1	1451.7	1596.1	1781.7	1991.8	2232.9
-15°	882.7	966.3	1046.2	1132.7	1222.0	1315.3	1424.8	1555.2	1727.1	1929.7	2140.1
-17.5°	868.8	953.4	1031.0	1114.2	1202.8	1289.9	1393.3	1509.3	1668.7	1860.0	2061.2
-20°	852.9	938.6	1013.8	1093.1	1180.8	1263.6	1361.1	1470.6	1610.0	1782.1	1973.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	835.1	922.0	994.9	1071.5	1155.0	1237.1	1326.0	1427.5	1544.9	1695.7	1877.3
-25°	815.4	900.3	974.8	1048.1	1126.6	1207.9	1287.5	1381.1	1485.1	1618.2	1776.1
-27.5°	793.8	876.5	952.8	1022.6	1095.7	1175.7	1251.2	1336.0	1430.1	1535.6	1671.9
-30°	770.4	850.8	929.1	995.6	1065.2	1139.7	1214.4	1287.7	1373.2	1466.5	1577.8
-32.5°	745.3	823.2	900.3	968.0	1033.3	1101.3	1174.7	1243.6	1318.4	1400.0	1488.7
-35°	718.1	793.8	868.2	938.6	999.7	1063.6	1131.1	1199.4	1263.4	1337.0	1414.5
-37.5°	688.3	762.7	834.3	905.0	966.3	1025.4	1085.6	1151.2	1214.0	1273.4	1343.2
-40°	656.9	730.0	798.7	866.4	931.2	986.4	1042.8	1100.2	1161.3	1218.9	1273.4
-42.5°	624.0	694.0	761.4	826.0	889.6	947.2	998.5	1051.6	1105.2	1161.3	1214.0
-45°	589.7	656.5	722.3	784.1	844.5	903.7	955.2	1002.6	1051.6	1100.2	1151.2
-47.5°	554.0	617.5	679.9	740.7	797.9	853.8	908.4	955.2	998.5	1042.8	1085.6
-50°	516.6	577.1	636.2	694.1	749.8	802.5	853.8	903.7	947.2	986.4	1025.4
-52.5°	476.7	535.6	591.1	645.6	698.9	749.8	797.9	844.5	889.6	931.2	966.3
-55°	435.5	491.1	544.8	595.8	645.6	694.1	740.7	784.1	826.0	866.4	905.0
-57.5°	394.6	445.1	496.0	544.8	591.1	636.2	679.9	722.3	761.4	798.7	834.3
-60°	353.4	399.1	445.1	491.1	535.6	577.1	617.5	656.5	694.0	730.0	762.7
-62.5°	312.5	353.4	394.6	435.5	476.7	516.6	554.0	589.7	624.0	656.9	688.3
-65°	276.1	308.6	344.3	380.9	416.6	452.7	487.9	521.8	553.1	582.9	611.3
-67.5°	239.0	268.4	297.1	326.3	358.4	389.5	419.6	450.1	479.3	507.3	533.7
-70°	203.3	227.9	253.2	278.1	302.4	327.1	353.8	379.6	404.3	428.3	451.9
-72.5°	167.5	189.1	210.2	230.7	251.8	272.3	292.2	311.3	331.5	352.1	371.8
-75°	136.4	150.3	167.9	185.5	202.6	219.2	235.3	251.7	267.4	282.3	296.6
-77.5°	109.0	120.6	131.9	142.9	154.2	168.0	181.3	194.1	206.4	218.1	229.3
-80°	83.0	90.7	99.7	108.5	117.1	125.4	133.3	141.0	148.4	156.6	165.5
-82.5°	59.8	65.6	71.3	76.8	82.1	87.3	92.5	98.3	103.8	109.1	114.1
-85°	37.4	40.5	44.2	47.9	51.5	54.9	58.2	61.4	64.5	67.4	70.1
-87.5°	18.7	20.2	21.8	23.2	24.6	26.0	27.4	28.6	29.9	31.0	32.1
-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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-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°	33.2	34.2	35.1	35.9	36.7	37.4	38.1	38.6	39.1	39.5	39.9
85°	72.8	75.2	77.5	79.6	81.6	83.4	85.0	86.4	87.6	88.7	89.6
82.5°	118.8	123.2	127.3	131.2	134.7	137.9	140.8	143.4	145.7	147.6	149.1
80°	173.9	181.8	189.1	196.0	202.3	208.0	213.2	217.8	221.8	225.1	227.9
77.5°	240.2	250.7	260.6	269.7	278.1	285.8	292.7	298.8	304.1	308.6	312.4
75°	310.1	323.4	337.3	350.3	362.2	373.1	382.9	391.6	399.1	405.6	410.9
72.5°	390.3	407.8	424.3	440.3	455.0	468.3	480.4	491.1	500.5	508.4	514.9
70°	474.3	495.4	515.1	533.1	549.2	563.9	577.1	588.9	599.2	607.9	615.1
67.5°	557.8	580.5	601.7	621.5	639.8	656.5	671.5	684.9	696.5	706.5	714.6
65°	638.2	663.6	687.4	709.6	730.0	747.8	763.8	778.1	790.5	801.1	809.8
62.5°	718.1	745.3	770.4	793.8	815.4	835.1	852.9	868.8	882.7	894.5	904.2
60°	793.8	823.2	850.8	876.5	900.3	922.0	938.6	953.4	966.3	977.3	986.4
57.5°	868.2	900.3	929.1	952.8	974.8	994.9	1013.8	1031.0	1046.2	1059.0	1069.7
55°	938.6	968.0	995.6	1022.6	1048.1	1071.5	1093.1	1114.2	1132.7	1148.5	1161.5
52.5°	999.7	1033.3	1065.2	1095.7	1126.6	1155.0	1180.8	1202.8	1222.0	1238.3	1251.8
50°	1063.6	1101.3	1139.7	1175.7	1207.9	1237.1	1263.6	1289.9	1315.3	1337.1	1355.1
47.5°	1131.1	1174.7	1214.4	1251.2	1287.5	1326.0	1361.1	1393.3	1424.8	1451.7	1474.0
45°	1199.4	1243.6	1287.7	1336.0	1381.1	1427.5	1470.6	1509.3	1555.2	1596.1	1630.1
42.5°	1263.4	1318.4	1373.2	1430.1	1485.1	1544.9	1610.0	1668.7	1727.1	1781.7	1827.1
40°	1337.0	1400.0	1466.5	1535.6	1618.2	1695.7	1782.1	1860.0	1929.7	1991.8	2043.4
37.5°	1414.5	1488.7	1577.8	1671.9	1776.1	1877.3	1973.2	2061.2	2140.1	2232.9	2310.2
35°	1496.1	1599.1	1707.6	1830.9	1948.9	2062.5	2178.6	2309.5	2426.0	2563.6	2688.6
32.5°	1599.1	1721.1	1858.6	1993.5	2123.4	2286.0	2441.2	2646.2	2833.5	3034.3	3235.9
30°	1707.6	1858.6	2008.5	2160.9	2351.7	2570.2	2817.8	3105.3	3405.5	3703.1	4049.8
27.5°	1830.9	1993.5	2160.9	2373.9	2638.1	2926.1	3319.5	3724.6	4237.4	4687.2	5318.0
25°	1948.9	2123.4	2351.7	2638.1	2978.7	3428.7	3992.0	4606.8	5479.1	6297.2	7335.4
22.5°	2062.5	2286.0	2570.2	2926.1	3428.7	4082.5	4866.5	5971.1	7313.8	8824.8	10485.6
20°	2178.6	2441.2	2817.8	3319.5	3992.0	4866.5	6137.9	7905.4	9897.1	12594.3	15162.6
17.5°	2309.5	2646.2	3105.3	3724.6	4606.8	5971.1	7905.4	10412.6	13687.5	17799.6	21748.7
15°	2426.0	2833.5	3405.5	4237.4	5479.1	7313.8	9897.1	13687.5	18704.1	24542.1	31179.5
12.5°	2563.6	3034.3	3703.1	4687.2	6297.2	8824.8	12594.3	17799.6	24542.1	32791.6	43695.0
10°	2688.6	3235.9	4049.8	5318.0	7335.4	10485.6	15162.6	21748.7	31179.5	43695.0	60310.0
7.5°	2787.5	3395.7	4325.8	5823.3	8276.8	12185.8	18056.7	26530.5	38464.8	55311.7	78960.8
5°	2859.0	3511.7	4526.4	6192.0	8966.8	13439.2	20206.8	30208.8	44807.9	67774.2	103480.6
2.5°	2902.3	3581.9	4648.3	6416.5	9388.4	14208.2	21533.5	32497.3	48801.7	75766.6	119681.0
0°	2916.8	3605.5	4689.2	6491.9	9530.2	14467.5	21982.3	33274.8	50167.9	78530.8	125392.0
-2.5°	2902.3	3581.9	4648.3	6416.5	9388.4	14208.2	21533.5	32497.3	48801.7	75766.6	119681.0
-5°	2859.0	3511.7	4526.4	6192.0	8966.8	13439.2	20206.8	30208.8	44807.9	67774.2	103480.6
-7.5°	2787.5	3395.7	4325.8	5823.3	8276.8	12185.8	18056.7	26530.5	38464.8	55311.7	78960.8
-10°	2688.6	3235.9	4049.8	5318.0	7335.4	10485.6	15162.6	21748.7	31179.5	43695.0	60310.0
-12.5°	2563.6	3034.3	3703.1	4687.2	6297.2	8824.8	12594.3	17799.6	24542.1	32791.6	43695.0
-15°	2426.0	2833.5	3405.5	4237.4	5479.1	7313.8	9897.1	13687.5	18704.1	24542.1	31179.5
-17.5°	2309.5	2646.2	3105.3	3724.6	4606.8	5971.1	7905.4	10412.6	13687.5	17799.6	21748.7
-20°	2178.6	2441.2	2817.8	3319.5	3992.0	4866.5	6137.9	7905.4	9897.1	12594.3	15162.6

Classified

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

Scaled Data Report



REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2062.5	2286.0	2570.2	2926.1	3428.7	4082.5	4866.5	5971.1	7313.8	8824.8	10485.6
-25°	1948.9	2123.4	2351.7	2638.1	2978.7	3428.7	3992.0	4606.8	5479.1	6297.2	7335.4
-27.5°	1830.9	1993.5	2160.9	2373.9	2638.1	2926.1	3319.5	3724.6	4237.4	4687.2	5318.0
-30°	1707.6	1858.6	2008.5	2160.9	2351.7	2570.2	2817.8	3105.3	3405.5	3703.1	4049.8
-32.5°	1599.1	1721.1	1858.6	1993.5	2123.4	2286.0	2441.2	2646.2	2833.5	3034.3	3235.9
-35°	1496.1	1599.1	1707.6	1830.9	1948.9	2062.5	2178.6	2309.5	2426.0	2563.6	2688.6
-37.5°	1414.5	1488.7	1577.8	1671.9	1776.1	1877.3	1973.2	2061.2	2140.1	2232.9	2310.2
-40°	1337.0	1400.0	1466.5	1535.6	1618.2	1695.7	1782.1	1860.0	1929.7	1991.8	2043.4
-42.5°	1263.4	1318.4	1373.2	1430.1	1485.1	1544.9	1610.0	1668.7	1727.1	1781.7	1827.1
-45°	1199.4	1243.6	1287.7	1336.0	1381.1	1427.5	1470.6	1509.3	1555.2	1596.1	1630.1
-47.5°	1131.1	1174.7	1214.4	1251.2	1287.5	1326.0	1361.1	1393.3	1424.8	1451.7	1474.0
-50°	1063.6	1101.3	1139.7	1175.7	1207.9	1237.1	1263.6	1289.9	1315.3	1337.1	1355.1
-52.5°	999.7	1033.3	1065.2	1095.7	1126.6	1155.0	1180.8	1202.8	1222.0	1238.3	1251.8
-55°	938.6	968.0	995.6	1022.6	1048.1	1071.5	1093.1	1114.2	1132.7	1148.5	1161.5
-57.5°	868.2	900.3	929.1	952.8	974.8	994.9	1013.8	1031.0	1046.2	1059.0	1069.7
-60°	793.8	823.2	850.8	876.5	900.3	922.0	938.6	953.4	966.3	977.3	986.4
-62.5°	718.1	745.3	770.4	793.8	815.4	835.1	852.9	868.8	882.7	894.5	904.2
-65°	638.2	663.6	687.4	709.6	730.0	747.8	763.8	778.1	790.5	801.1	809.8
-67.5°	557.8	580.5	601.7	621.5	639.8	656.5	671.5	684.9	696.5	706.5	714.6
-70°	474.3	495.4	515.1	533.1	549.2	563.9	577.1	588.9	599.2	607.9	615.1
-72.5°	390.3	407.8	424.3	440.3	455.0	468.3	480.4	491.1	500.5	508.4	514.9
-75°	310.1	323.4	337.3	350.3	362.2	373.1	382.9	391.6	399.1	405.6	410.9
-77.5°	240.2	250.7	260.6	269.7	278.1	285.8	292.7	298.8	304.1	308.6	312.4
-80°	173.9	181.8	189.1	196.0	202.3	208.0	213.2	217.8	221.8	225.1	227.9
-82.5°	118.8	123.2	127.3	131.2	134.7	137.9	140.8	143.4	145.7	147.6	149.1
-85°	72.8	75.2	77.5	79.6	81.6	83.4	85.0	86.4	87.6	88.7	89.6
-87.5°	33.2	34.2	35.1	35.9	36.7	37.4	38.1	38.6	39.1	39.5	39.9
-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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-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°	40.2	40.3	40.5	40.5	40.5	40.3	40.2	39.9	39.5	39.1	38.6
85°	90.2	90.7	91.0	91.1	91.0	90.7	90.2	89.6	88.7	87.6	86.4
82.5°	150.3	151.2	151.7	151.9	151.7	151.2	150.3	149.1	147.6	145.7	143.4
80°	230.1	231.7	232.6	232.9	232.6	231.7	230.1	227.9	225.1	221.8	217.8
77.5°	315.3	317.3	318.6	319.0	318.6	317.3	315.3	312.4	308.6	304.1	298.8
75°	415.0	417.9	419.7	420.3	419.7	417.9	415.0	410.9	405.6	399.1	391.6
72.5°	520.0	523.7	525.9	526.6	525.9	523.7	520.0	514.9	508.4	500.5	491.1
70°	620.7	624.7	627.1	627.9	627.1	624.7	620.7	615.1	607.9	599.2	588.9
67.5°	721.0	725.5	728.3	729.2	728.3	725.5	721.0	714.6	706.5	696.5	684.9
65°	816.6	821.5	824.4	825.4	824.4	821.5	816.6	809.8	801.1	790.5	778.1
62.5°	911.8	917.2	920.5	921.6	920.5	917.2	911.8	904.2	894.5	882.7	868.8
60°	993.4	998.5	1001.6	1002.6	1001.6	998.5	993.4	986.4	977.3	966.3	953.4
57.5°	1078.0	1083.9	1087.5	1088.7	1087.5	1083.9	1078.0	1069.7	1059.0	1046.2	1031.0
55°	1171.7	1179.0	1183.4	1184.9	1183.4	1179.0	1171.7	1161.5	1148.5	1132.7	1114.2
52.5°	1262.4	1270.0	1274.6	1276.1	1274.6	1270.0	1262.4	1251.8	1238.3	1222.0	1202.8
50°	1369.2	1379.4	1385.5	1387.5	1385.5	1379.4	1369.2	1355.1	1337.1	1315.3	1289.9
47.5°	1491.4	1504.0	1511.6	1514.1	1511.6	1504.0	1491.4	1474.0	1451.7	1424.8	1393.3
45°	1656.7	1675.9	1687.4	1691.3	1687.4	1675.9	1656.7	1630.1	1596.1	1555.2	1509.3
42.5°	1862.7	1888.4	1903.9	1909.1	1903.9	1888.4	1862.7	1827.1	1781.7	1727.1	1668.7
40°	2084.1	2113.4	2131.1	2137.0	2131.1	2113.4	2084.1	2043.4	1991.8	1929.7	1860.0
37.5°	2371.3	2415.3	2442.0	2450.9	2442.0	2415.3	2371.3	2310.2	2232.9	2140.1	2061.2
35°	2787.5	2859.0	2902.3	2916.8	2902.3	2859.0	2787.5	2688.6	2563.6	2426.0	2309.5
32.5°	3395.7	3511.7	3581.9	3605.5	3581.9	3511.7	3395.7	3235.9	3034.3	2833.5	2646.2
30°	4325.8	4526.4	4648.3	4689.2	4648.3	4526.4	4325.8	4049.8	3703.1	3405.5	3105.3
27.5°	5823.3	6192.0	6416.5	6491.9	6416.5	6192.0	5823.3	5318.0	4687.2	4237.4	3724.6
25°	8276.8	8966.8	9388.4	9530.2	9388.4	8966.8	8276.8	7335.4	6297.2	5479.1	4606.8
22.5°	12185.8	13439.2	14208.2	14467.5	14208.2	13439.2	12185.8	10485.6	8824.8	7313.8	5971.1
20°	18056.7	20206.8	21533.5	21982.3	21533.5	20206.8	18056.7	15162.6	12594.3	9897.1	7905.4
17.5°	26530.5	30208.8	32497.3	33274.8	32497.3	30208.8	26530.5	21748.7	17799.6	13687.5	10412.6
15°	38464.8	44807.9	48801.7	50167.9	48801.7	44807.9	38464.8	31179.5	24542.1	18704.1	13687.5
12.5°	55311.7	67774.2	75766.6	78530.8	75766.6	67774.2	55311.7	43695.0	32791.6	24542.1	17799.6
10°	78960.8	103480.6	119681.0	125392.0	119681.0	103480.6	78960.8	60310.0	43695.0	31179.5	21748.7
7.5°	114306.3	155594.8	189092.7	201350.3	189092.7	155594.8	114306.3	78960.8	55311.7	38464.8	26530.5
5°	155594.8	219513.7	281444.5	306117.1	281444.5	219513.7	155594.8	103480.6	67774.2	44807.9	30208.8
2.5°	189092.7	281444.5	366309.7	408832.9	366309.7	281444.5	189092.7	119681.0	75766.6	48801.7	32497.3
0°	201350.3	306117.1	408832.9	452934.3	408832.9	306117.1	201350.3	125392.0	78530.8	50167.9	33274.8
-2.5°	189092.7	281444.5	366309.7	408832.9	366309.7	281444.5	189092.7	119681.0	75766.6	48801.7	32497.3
-5°	155594.8	219513.7	281444.5	306117.1	281444.5	219513.7	155594.8	103480.6	67774.2	44807.9	30208.8
-7.5°	114306.3	155594.8	189092.7	201350.3	189092.7	155594.8	114306.3	78960.8	55311.7	38464.8	26530.5
-10°	78960.8	103480.6	119681.0	125392.0	119681.0	103480.6	78960.8	60310.0	43695.0	31179.5	21748.7
-12.5°	55311.7	67774.2	75766.6	78530.8	75766.6	67774.2	55311.7	43695.0	32791.6	24542.1	17799.6
-15°	38464.8	44807.9	48801.7	50167.9	48801.7	44807.9	38464.8	31179.5	24542.1	18704.1	13687.5
-17.5°	26530.5	30208.8	32497.3	33274.8	32497.3	30208.8	26530.5	21748.7	17799.6	13687.5	10412.6
-20°	18056.7	20206.8	21533.5	21982.3	21533.5	20206.8	18056.7	15162.6	12594.3	9897.1	7905.4



REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12185.8	13439.2	14208.2	14467.5	14208.2	13439.2	12185.8	10485.6	8824.8	7313.8	5971.1
-25°	8276.8	8966.8	9388.4	9530.2	9388.4	8966.8	8276.8	7335.4	6297.2	5479.1	4606.8
-27.5°	5823.3	6192.0	6416.5	6491.9	6416.5	6192.0	5823.3	5318.0	4687.2	4237.4	3724.6
-30°	4325.8	4526.4	4648.3	4689.2	4648.3	4526.4	4325.8	4049.8	3703.1	3405.5	3105.3
-32.5°	3395.7	3511.7	3581.9	3605.5	3581.9	3511.7	3395.7	3235.9	3034.3	2833.5	2646.2
-35°	2787.5	2859.0	2902.3	2916.8	2902.3	2859.0	2787.5	2688.6	2563.6	2426.0	2309.5
-37.5°	2371.3	2415.3	2442.0	2450.9	2442.0	2415.3	2371.3	2310.2	2232.9	2140.1	2061.2
-40°	2084.1	2113.4	2131.1	2137.0	2131.1	2113.4	2084.1	2043.4	1991.8	1929.7	1860.0
-42.5°	1862.7	1888.4	1903.9	1909.1	1903.9	1888.4	1862.7	1827.1	1781.7	1727.1	1668.7
-45°	1656.7	1675.9	1687.4	1691.3	1687.4	1675.9	1656.7	1630.1	1596.1	1555.2	1509.3
-47.5°	1491.4	1504.0	1511.6	1514.1	1511.6	1504.0	1491.4	1474.0	1451.7	1424.8	1393.3
-50°	1369.2	1379.4	1385.5	1387.5	1385.5	1379.4	1369.2	1355.1	1337.1	1315.3	1289.9
-52.5°	1262.4	1270.0	1274.6	1276.1	1274.6	1270.0	1262.4	1251.8	1238.3	1222.0	1202.8
-55°	1171.7	1179.0	1183.4	1184.9	1183.4	1179.0	1171.7	1161.5	1148.5	1132.7	1114.2
-57.5°	1078.0	1083.9	1087.5	1088.7	1087.5	1083.9	1078.0	1069.7	1059.0	1046.2	1031.0
-60°	993.4	998.5	1001.6	1002.6	1001.6	998.5	993.4	986.4	977.3	966.3	953.4
-62.5°	911.8	917.2	920.5	921.6	920.5	917.2	911.8	904.2	894.5	882.7	868.8
-65°	816.6	821.5	824.4	825.4	824.4	821.5	816.6	809.8	801.1	790.5	778.1
-67.5°	721.0	725.5	728.3	729.2	728.3	725.5	721.0	714.6	706.5	696.5	684.9
-70°	620.7	624.7	627.1	627.9	627.1	624.7	620.7	615.1	607.9	599.2	588.9
-72.5°	520.0	523.7	525.9	526.6	525.9	523.7	520.0	514.9	508.4	500.5	491.1
-75°	415.0	417.9	419.7	420.3	419.7	417.9	415.0	410.9	405.6	399.1	391.6
-77.5°	315.3	317.3	318.6	319.0	318.6	317.3	315.3	312.4	308.6	304.1	298.8
-80°	230.1	231.7	232.6	232.9	232.6	231.7	230.1	227.9	225.1	221.8	217.8
-82.5°	150.3	151.2	151.7	151.9	151.7	151.2	150.3	149.1	147.6	145.7	143.4
-85°	90.2	90.7	91.0	91.1	91.0	90.7	90.2	89.6	88.7	87.6	86.4
-87.5°	40.2	40.3	40.5	40.5	40.5	40.3	40.2	39.9	39.5	39.1	38.6
-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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-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°	38.1	37.4	36.7	35.9	35.1	34.2	33.2	32.1	31.0	29.9	28.6
85°	85.0	83.4	81.6	79.6	77.5	75.2	72.8	70.1	67.4	64.5	61.4
82.5°	140.8	137.9	134.7	131.2	127.3	123.2	118.8	114.1	109.1	103.8	98.3
80°	213.2	208.0	202.3	196.0	189.1	181.8	173.9	165.5	156.6	148.4	141.0
77.5°	292.7	285.8	278.1	269.7	260.6	250.7	240.2	229.3	218.1	206.4	194.1
75°	382.9	373.1	362.2	350.3	337.3	323.4	310.1	296.6	282.3	267.4	251.7
72.5°	480.4	468.3	455.0	440.3	424.3	407.8	390.3	371.8	352.1	331.5	311.3
70°	577.1	563.9	549.2	533.1	515.1	495.4	474.3	451.9	428.3	404.3	379.6
67.5°	671.5	656.5	639.8	621.5	601.7	580.5	557.8	533.7	507.3	479.3	450.1
65°	763.8	747.8	730.0	709.6	687.4	663.6	638.2	611.3	582.9	553.1	521.8
62.5°	852.9	835.1	815.4	793.8	770.4	745.3	718.1	688.3	656.9	624.0	589.7
60°	938.6	922.0	900.3	876.5	850.8	823.2	793.8	762.7	730.0	694.0	656.5
57.5°	1013.8	994.9	974.8	952.8	929.1	900.3	868.2	834.3	798.7	761.4	722.3
55°	1093.1	1071.5	1048.1	1022.6	995.6	968.0	938.6	905.0	866.4	826.0	784.1
52.5°	1180.8	1155.0	1126.6	1095.7	1065.2	1033.3	999.7	966.3	931.2	889.6	844.5
50°	1263.6	1237.1	1207.9	1175.7	1139.7	1101.3	1063.6	1025.4	986.4	947.2	903.7
47.5°	1361.1	1326.0	1287.5	1251.2	1214.4	1174.7	1131.1	1085.6	1042.8	998.5	955.2
45°	1470.6	1427.5	1381.1	1336.0	1287.7	1243.6	1199.4	1151.2	1100.2	1051.6	1002.6
42.5°	1610.0	1544.9	1485.1	1430.1	1373.2	1318.4	1263.4	1214.0	1161.3	1105.2	1051.6
40°	1782.1	1695.7	1618.2	1535.6	1466.5	1400.0	1337.0	1273.4	1218.9	1161.3	1100.2
37.5°	1973.2	1877.3	1776.1	1671.9	1577.8	1488.7	1414.5	1343.2	1273.4	1214.0	1151.2
35°	2178.6	2062.5	1948.9	1830.9	1707.6	1599.1	1496.1	1414.5	1337.0	1263.4	1199.4
32.5°	2441.2	2286.0	2123.4	1993.5	1858.6	1721.1	1599.1	1488.7	1400.0	1318.4	1243.6
30°	2817.8	2570.2	2351.7	2160.9	2008.5	1858.6	1707.6	1577.8	1466.5	1373.2	1287.7
27.5°	3319.5	2926.1	2638.1	2373.9	2160.9	1993.5	1830.9	1671.9	1535.6	1430.1	1336.0
25°	3992.0	3428.7	2978.7	2638.1	2351.7	2123.4	1948.9	1776.1	1618.2	1485.1	1381.1
22.5°	4866.5	4082.5	3428.7	2926.1	2570.2	2286.0	2062.5	1877.3	1695.7	1544.9	1427.5
20°	6137.9	4866.5	3992.0	3319.5	2817.8	2441.2	2178.6	1973.2	1782.1	1610.0	1470.6
17.5°	7905.4	5971.1	4606.8	3724.6	3105.3	2646.2	2309.5	2061.2	1860.0	1668.7	1509.3
15°	9897.1	7313.8	5479.1	4237.4	3405.5	2833.5	2426.0	2140.1	1929.7	1727.1	1555.2
12.5°	12594.3	8824.8	6297.2	4687.2	3703.1	3034.3	2563.6	2232.9	1991.8	1781.7	1596.1
10°	15162.6	10485.6	7335.4	5318.0	4049.8	3235.9	2688.6	2310.2	2043.4	1827.1	1630.1
7.5°	18056.7	12185.8	8276.8	5823.3	4325.8	3395.7	2787.5	2371.3	2084.1	1862.7	1656.7
5°	20206.8	13439.2	8966.8	6192.0	4526.4	3511.7	2859.0	2415.3	2113.4	1888.4	1675.9
2.5°	21533.5	14208.2	9388.4	6416.5	4648.3	3581.9	2902.3	2442.0	2131.1	1903.9	1687.4
0°	21982.3	14467.5	9530.2	6491.9	4689.2	3605.5	2916.8	2450.9	2137.0	1909.1	1691.3
-2.5°	21533.5	14208.2	9388.4	6416.5	4648.3	3581.9	2902.3	2442.0	2131.1	1903.9	1687.4
-5°	20206.8	13439.2	8966.8	6192.0	4526.4	3511.7	2859.0	2415.3	2113.4	1888.4	1675.9
-7.5°	18056.7	12185.8	8276.8	5823.3	4325.8	3395.7	2787.5	2371.3	2084.1	1862.7	1656.7
-10°	15162.6	10485.6	7335.4	5318.0	4049.8	3235.9	2688.6	2310.2	2043.4	1827.1	1630.1
-12.5°	12594.3	8824.8	6297.2	4687.2	3703.1	3034.3	2563.6	2232.9	1991.8	1781.7	1596.1
-15°	9897.1	7313.8	5479.1	4237.4	3405.5	2833.5	2426.0	2140.1	1929.7	1727.1	1555.2
-17.5°	7905.4	5971.1	4606.8	3724.6	3105.3	2646.2	2309.5	2061.2	1860.0	1668.7	1509.3
-20°	6137.9	4866.5	3992.0	3319.5	2817.8	2441.2	2178.6	1973.2	1782.1	1610.0	1470.6

Classified

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

Scaled Data Report



REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4866.5	4082.5	3428.7	2926.1	2570.2	2286.0	2062.5	1877.3	1695.7	1544.9	1427.5
-25°	3992.0	3428.7	2978.7	2638.1	2351.7	2123.4	1948.9	1776.1	1618.2	1485.1	1381.1
-27.5°	3319.5	2926.1	2638.1	2373.9	2160.9	1993.5	1830.9	1671.9	1535.6	1430.1	1336.0
-30°	2817.8	2570.2	2351.7	2160.9	2008.5	1858.6	1707.6	1577.8	1466.5	1373.2	1287.7
-32.5°	2441.2	2286.0	2123.4	1993.5	1858.6	1721.1	1599.1	1488.7	1400.0	1318.4	1243.6
-35°	2178.6	2062.5	1948.9	1830.9	1707.6	1599.1	1496.1	1414.5	1337.0	1263.4	1199.4
-37.5°	1973.2	1877.3	1776.1	1671.9	1577.8	1488.7	1414.5	1343.2	1273.4	1214.0	1151.2
-40°	1782.1	1695.7	1618.2	1535.6	1466.5	1400.0	1337.0	1273.4	1218.9	1161.3	1100.2
-42.5°	1610.0	1544.9	1485.1	1430.1	1373.2	1318.4	1263.4	1214.0	1161.3	1105.2	1051.6
-45°	1470.6	1427.5	1381.1	1336.0	1287.7	1243.6	1199.4	1151.2	1100.2	1051.6	1002.6
-47.5°	1361.1	1326.0	1287.5	1251.2	1214.4	1174.7	1131.1	1085.6	1042.8	998.5	955.2
-50°	1263.6	1237.1	1207.9	1175.7	1139.7	1101.3	1063.6	1025.4	986.4	947.2	903.7
-52.5°	1180.8	1155.0	1126.6	1095.7	1065.2	1033.3	999.7	966.3	931.2	889.6	844.5
-55°	1093.1	1071.5	1048.1	1022.6	995.6	968.0	938.6	905.0	866.4	826.0	784.1
-57.5°	1013.8	994.9	974.8	952.8	929.1	900.3	868.2	834.3	798.7	761.4	722.3
-60°	938.6	922.0	900.3	876.5	850.8	823.2	793.8	762.7	730.0	694.0	656.5
-62.5°	852.9	835.1	815.4	793.8	770.4	745.3	718.1	688.3	656.9	624.0	589.7
-65°	763.8	747.8	730.0	709.6	687.4	663.6	638.2	611.3	582.9	553.1	521.8
-67.5°	671.5	656.5	639.8	621.5	601.7	580.5	557.8	533.7	507.3	479.3	450.1
-70°	577.1	563.9	549.2	533.1	515.1	495.4	474.3	451.9	428.3	404.3	379.6
-72.5°	480.4	468.3	455.0	440.3	424.3	407.8	390.3	371.8	352.1	331.5	311.3
-75°	382.9	373.1	362.2	350.3	337.3	323.4	310.1	296.6	282.3	267.4	251.7
-77.5°	292.7	285.8	278.1	269.7	260.6	250.7	240.2	229.3	218.1	206.4	194.1
-80°	213.2	208.0	202.3	196.0	189.1	181.8	173.9	165.5	156.6	148.4	141.0
-82.5°	140.8	137.9	134.7	131.2	127.3	123.2	118.8	114.1	109.1	103.8	98.3
-85°	85.0	83.4	81.6	79.6	77.5	75.2	72.8	70.1	67.4	64.5	61.4
-87.5°	38.1	37.4	36.7	35.9	35.1	34.2	33.2	32.1	31.0	29.9	28.6
-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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-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°	27.4	26.0	24.6	23.2	21.8	20.2	18.7	17.1	15.5	13.8	12.2
85°	58.2	54.9	51.5	47.9	44.2	40.5	37.4	34.2	31.0	27.7	24.3
82.5°	92.5	87.3	82.1	76.8	71.3	65.6	59.8	53.9	47.8	41.7	36.4
80°	133.3	125.4	117.1	108.5	99.7	90.7	83.0	75.1	67.0	58.8	50.5
77.5°	181.3	168.0	154.2	142.9	131.9	120.6	109.0	97.1	86.1	75.8	65.4
75°	235.3	219.2	202.6	185.5	167.9	150.3	136.4	122.2	107.7	93.0	80.2
72.5°	292.2	272.3	251.8	230.7	210.2	189.1	167.5	147.1	130.2	113.1	95.7
70°	353.8	327.1	302.4	278.1	253.2	227.9	203.3	178.2	152.6	132.9	113.1
67.5°	419.6	389.5	358.4	326.3	297.1	268.4	239.0	210.5	181.7	152.6	130.2
65°	487.9	452.7	416.6	380.9	344.3	308.6	276.1	242.8	210.5	178.2	147.1
62.5°	554.0	516.6	476.7	435.5	394.6	353.4	312.5	276.1	239.0	203.3	167.5
60°	617.5	577.1	535.6	491.1	445.1	399.1	353.4	308.6	268.4	227.9	189.1
57.5°	679.9	636.2	591.1	544.8	496.0	445.1	394.6	344.3	297.1	253.2	210.2
55°	740.7	694.1	645.6	595.8	544.8	491.1	435.5	380.9	326.3	278.1	230.7
52.5°	797.9	749.8	698.9	645.6	591.1	535.6	476.7	416.6	358.4	302.4	251.8
50°	853.8	802.5	749.8	694.1	636.2	577.1	516.6	452.7	389.5	327.1	272.3
47.5°	908.4	853.8	797.9	740.7	679.9	617.5	554.0	487.9	419.6	353.8	292.2
45°	955.2	903.7	844.5	784.1	722.3	656.5	589.7	521.8	450.1	379.6	311.3
42.5°	998.5	947.2	889.6	826.0	761.4	694.0	624.0	553.1	479.3	404.3	331.5
40°	1042.8	986.4	931.2	866.4	798.7	730.0	656.9	582.9	507.3	428.3	352.1
37.5°	1085.6	1025.4	966.3	905.0	834.3	762.7	688.3	611.3	533.7	451.9	371.8
35°	1131.1	1063.6	999.7	938.6	868.2	793.8	718.1	638.2	557.8	474.3	390.3
32.5°	1174.7	1101.3	1033.3	968.0	900.3	823.2	745.3	663.6	580.5	495.4	407.8
30°	1214.4	1139.7	1065.2	995.6	929.1	850.8	770.4	687.4	601.7	515.1	424.3
27.5°	1251.2	1175.7	1095.7	1022.6	952.8	876.5	793.8	709.6	621.5	533.1	440.3
25°	1287.5	1207.9	1126.6	1048.1	974.8	900.3	815.4	730.0	639.8	549.2	455.0
22.5°	1326.0	1237.1	1155.0	1071.5	994.9	922.0	835.1	747.8	656.5	563.9	468.3
20°	1361.1	1263.6	1180.8	1093.1	1013.8	938.6	852.9	763.8	671.5	577.1	480.4
17.5°	1393.3	1289.9	1202.8	1114.2	1031.0	953.4	868.8	778.1	684.9	588.9	491.1
15°	1424.8	1315.3	1222.0	1132.7	1046.2	966.3	882.7	790.5	696.5	599.2	500.5
12.5°	1451.7	1337.1	1238.3	1148.5	1059.0	977.3	894.5	801.1	706.5	607.9	508.4
10°	1474.0	1355.1	1251.8	1161.5	1069.7	986.4	904.2	809.8	714.6	615.1	514.9
7.5°	1491.4	1369.2	1262.4	1171.7	1078.0	993.4	911.8	816.6	721.0	620.7	520.0
5°	1504.0	1379.4	1270.0	1179.0	1083.9	998.5	917.2	821.5	725.5	624.7	523.7
2.5°	1511.6	1385.5	1274.6	1183.4	1087.5	1001.6	920.5	824.4	728.3	627.1	525.9
0°	1514.1	1387.5	1276.1	1184.9	1088.7	1002.6	921.6	825.4	729.2	627.9	526.6
-2.5°	1511.6	1385.5	1274.6	1183.4	1087.5	1001.6	920.5	824.4	728.3	627.1	525.9
-5°	1504.0	1379.4	1270.0	1179.0	1083.9	998.5	917.2	821.5	725.5	624.7	523.7
-7.5°	1491.4	1369.2	1262.4	1171.7	1078.0	993.4	911.8	816.6	721.0	620.7	520.0
-10°	1474.0	1355.1	1251.8	1161.5	1069.7	986.4	904.2	809.8	714.6	615.1	514.9
-12.5°	1451.7	1337.1	1238.3	1148.5	1059.0	977.3	894.5	801.1	706.5	607.9	508.4
-15°	1424.8	1315.3	1222.0	1132.7	1046.2	966.3	882.7	790.5	696.5	599.2	500.5
-17.5°	1393.3	1289.9	1202.8	1114.2	1031.0	953.4	868.8	778.1	684.9	588.9	491.1
-20°	1361.1	1263.6	1180.8	1093.1	1013.8	938.6	852.9	763.8	671.5	577.1	480.4



REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1326.0	1237.1	1155.0	1071.5	994.9	922.0	835.1	747.8	656.5	563.9	468.3
-25°	1287.5	1207.9	1126.6	1048.1	974.8	900.3	815.4	730.0	639.8	549.2	455.0
-27.5°	1251.2	1175.7	1095.7	1022.6	952.8	876.5	793.8	709.6	621.5	533.1	440.3
-30°	1214.4	1139.7	1065.2	995.6	929.1	850.8	770.4	687.4	601.7	515.1	424.3
-32.5°	1174.7	1101.3	1033.3	968.0	900.3	823.2	745.3	663.6	580.5	495.4	407.8
-35°	1131.1	1063.6	999.7	938.6	868.2	793.8	718.1	638.2	557.8	474.3	390.3
-37.5°	1085.6	1025.4	966.3	905.0	834.3	762.7	688.3	611.3	533.7	451.9	371.8
-40°	1042.8	986.4	931.2	866.4	798.7	730.0	656.9	582.9	507.3	428.3	352.1
-42.5°	998.5	947.2	889.6	826.0	761.4	694.0	624.0	553.1	479.3	404.3	331.5
-45°	955.2	903.7	844.5	784.1	722.3	656.5	589.7	521.8	450.1	379.6	311.3
-47.5°	908.4	853.8	797.9	740.7	679.9	617.5	554.0	487.9	419.6	353.8	292.2
-50°	853.8	802.5	749.8	694.1	636.2	577.1	516.6	452.7	389.5	327.1	272.3
-52.5°	797.9	749.8	698.9	645.6	591.1	535.6	476.7	416.6	358.4	302.4	251.8
-55°	740.7	694.1	645.6	595.8	544.8	491.1	435.5	380.9	326.3	278.1	230.7
-57.5°	679.9	636.2	591.1	544.8	496.0	445.1	394.6	344.3	297.1	253.2	210.2
-60°	617.5	577.1	535.6	491.1	445.1	399.1	353.4	308.6	268.4	227.9	189.1
-62.5°	554.0	516.6	476.7	435.5	394.6	353.4	312.5	276.1	239.0	203.3	167.5
-65°	487.9	452.7	416.6	380.9	344.3	308.6	276.1	242.8	210.5	178.2	147.1
-67.5°	419.6	389.5	358.4	326.3	297.1	268.4	239.0	210.5	181.7	152.6	130.2
-70°	353.8	327.1	302.4	278.1	253.2	227.9	203.3	178.2	152.6	132.9	113.1
-72.5°	292.2	272.3	251.8	230.7	210.2	189.1	167.5	147.1	130.2	113.1	95.7
-75°	235.3	219.2	202.6	185.5	167.9	150.3	136.4	122.2	107.7	93.0	80.2
-77.5°	181.3	168.0	154.2	142.9	131.9	120.6	109.0	97.1	86.1	75.8	65.4
-80°	133.3	125.4	117.1	108.5	99.7	90.7	83.0	75.1	67.0	58.8	50.5
-82.5°	92.5	87.3	82.1	76.8	71.3	65.6	59.8	53.9	47.8	41.7	36.4
-85°	58.2	54.9	51.5	47.9	44.2	40.5	37.4	34.2	31.0	27.7	24.3
-87.5°	27.4	26.0	24.6	23.2	21.8	20.2	18.7	17.1	15.5	13.8	12.2
-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: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-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°	10.5	8.8	7.0	5.3	3.5	1.8	0.0
85°	20.9	17.5	14.0	10.6	7.1	3.5	0.0
82.5°	31.4	26.2	21.0	15.8	10.6	5.3	0.0
80°	42.0	34.9	28.0	21.0	14.0	7.0	0.0
77.5°	54.9	44.2	34.9	26.2	17.5	8.8	0.0
75°	67.6	54.9	42.0	31.4	20.9	10.5	0.0
72.5°	80.2	65.4	50.5	36.4	24.3	12.2	0.0
70°	93.0	75.8	58.8	41.7	27.7	13.8	0.0
67.5°	107.7	86.1	67.0	47.8	31.0	15.5	0.0
65°	122.2	97.1	75.1	53.9	34.2	17.1	0.0
62.5°	136.4	109.0	83.0	59.8	37.4	18.7	0.0
60°	150.3	120.6	90.7	65.6	40.5	20.2	0.0
57.5°	167.9	131.9	99.7	71.3	44.2	21.8	0.0
55°	185.5	142.9	108.5	76.8	47.9	23.2	0.0
52.5°	202.6	154.2	117.1	82.1	51.5	24.6	0.0
50°	219.2	168.0	125.4	87.3	54.9	26.0	0.0
47.5°	235.3	181.3	133.3	92.5	58.2	27.4	0.0
45°	251.7	194.1	141.0	98.3	61.4	28.6	0.0
42.5°	267.4	206.4	148.4	103.8	64.5	29.9	0.0
40°	282.3	218.1	156.6	109.1	67.4	31.0	0.0
37.5°	296.6	229.3	165.5	114.1	70.1	32.1	0.0
35°	310.1	240.2	173.9	118.8	72.8	33.2	0.0
32.5°	323.4	250.7	181.8	123.2	75.2	34.2	0.0
30°	337.3	260.6	189.1	127.3	77.5	35.1	0.0
27.5°	350.3	269.7	196.0	131.2	79.6	35.9	0.0
25°	362.2	278.1	202.3	134.7	81.6	36.7	0.0
22.5°	373.1	285.8	208.0	137.9	83.4	37.4	0.0
20°	382.9	292.7	213.2	140.8	85.0	38.1	0.0
17.5°	391.6	298.8	217.8	143.4	86.4	38.6	0.0
15°	399.1	304.1	221.8	145.7	87.6	39.1	0.0
12.5°	405.6	308.6	225.1	147.6	88.7	39.5	0.0
10°	410.9	312.4	227.9	149.1	89.6	39.9	0.0
7.5°	415.0	315.3	230.1	150.3	90.2	40.2	0.0
5°	417.9	317.3	231.7	151.2	90.7	40.3	0.0
2.5°	419.7	318.6	232.6	151.7	91.0	40.5	0.0
0°	420.3	319.0	232.9	151.9	91.1	40.5	0.0
-2.5°	419.7	318.6	232.6	151.7	91.0	40.5	0.0
-5°	417.9	317.3	231.7	151.2	90.7	40.3	0.0
-7.5°	415.0	315.3	230.1	150.3	90.2	40.2	0.0
-10°	410.9	312.4	227.9	149.1	89.6	39.9	0.0
-12.5°	405.6	308.6	225.1	147.6	88.7	39.5	0.0
-15°	399.1	304.1	221.8	145.7	87.6	39.1	0.0
-17.5°	391.6	298.8	217.8	143.4	86.4	38.6	0.0
-20°	382.9	292.7	213.2	140.8	85.0	38.1	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-33

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	373.1	285.8	208.0	137.9	83.4	37.4	0.0
-25°	362.2	278.1	202.3	134.7	81.6	36.7	0.0
-27.5°	350.3	269.7	196.0	131.2	79.6	35.9	0.0
-30°	337.3	260.6	189.1	127.3	77.5	35.1	0.0
-32.5°	323.4	250.7	181.8	123.2	75.2	34.2	0.0
-35°	310.1	240.2	173.9	118.8	72.8	33.2	0.0
-37.5°	296.6	229.3	165.5	114.1	70.1	32.1	0.0
-40°	282.3	218.1	156.6	109.1	67.4	31.0	0.0
-42.5°	267.4	206.4	148.4	103.8	64.5	29.9	0.0
-45°	251.7	194.1	141.0	98.3	61.4	28.6	0.0
-47.5°	235.3	181.3	133.3	92.5	58.2	27.4	0.0
-50°	219.2	168.0	125.4	87.3	54.9	26.0	0.0
-52.5°	202.6	154.2	117.1	82.1	51.5	24.6	0.0
-55°	185.5	142.9	108.5	76.8	47.9	23.2	0.0
-57.5°	167.9	131.9	99.7	71.3	44.2	21.8	0.0
-60°	150.3	120.6	90.7	65.6	40.5	20.2	0.0
-62.5°	136.4	109.0	83.0	59.8	37.4	18.7	0.0
-65°	122.2	97.1	75.1	53.9	34.2	17.1	0.0
-67.5°	107.7	86.1	67.0	47.8	31.0	15.5	0.0
-70°	93.0	75.8	58.8	41.7	27.7	13.8	0.0
-72.5°	80.2	65.4	50.5	36.4	24.3	12.2	0.0
-75°	67.6	54.9	42.0	31.4	20.9	10.5	0.0
-77.5°	54.9	44.2	34.9	26.2	17.5	8.8	0.0
-80°	42.0	34.9	28.0	21.0	14.0	7.0	0.0
-82.5°	31.4	26.2	21.0	15.8	10.6	5.3	0.0
-85°	20.9	17.5	14.0	10.6	7.1	3.5	0.0
-87.5°	10.5	8.8	7.0	5.3	3.5	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)