

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: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-4000K-11**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-55)  
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-11  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 11 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26620.7 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 8.3°H x 8.9°V  
Beam Lumens: 11974.1 lumens  
Beam Efficiency: 45.0%

NEMA Type: 1H x 1V  
Max Intensity: 798951.6 candela  
Max Intensity Angle: 0°H x 0°V

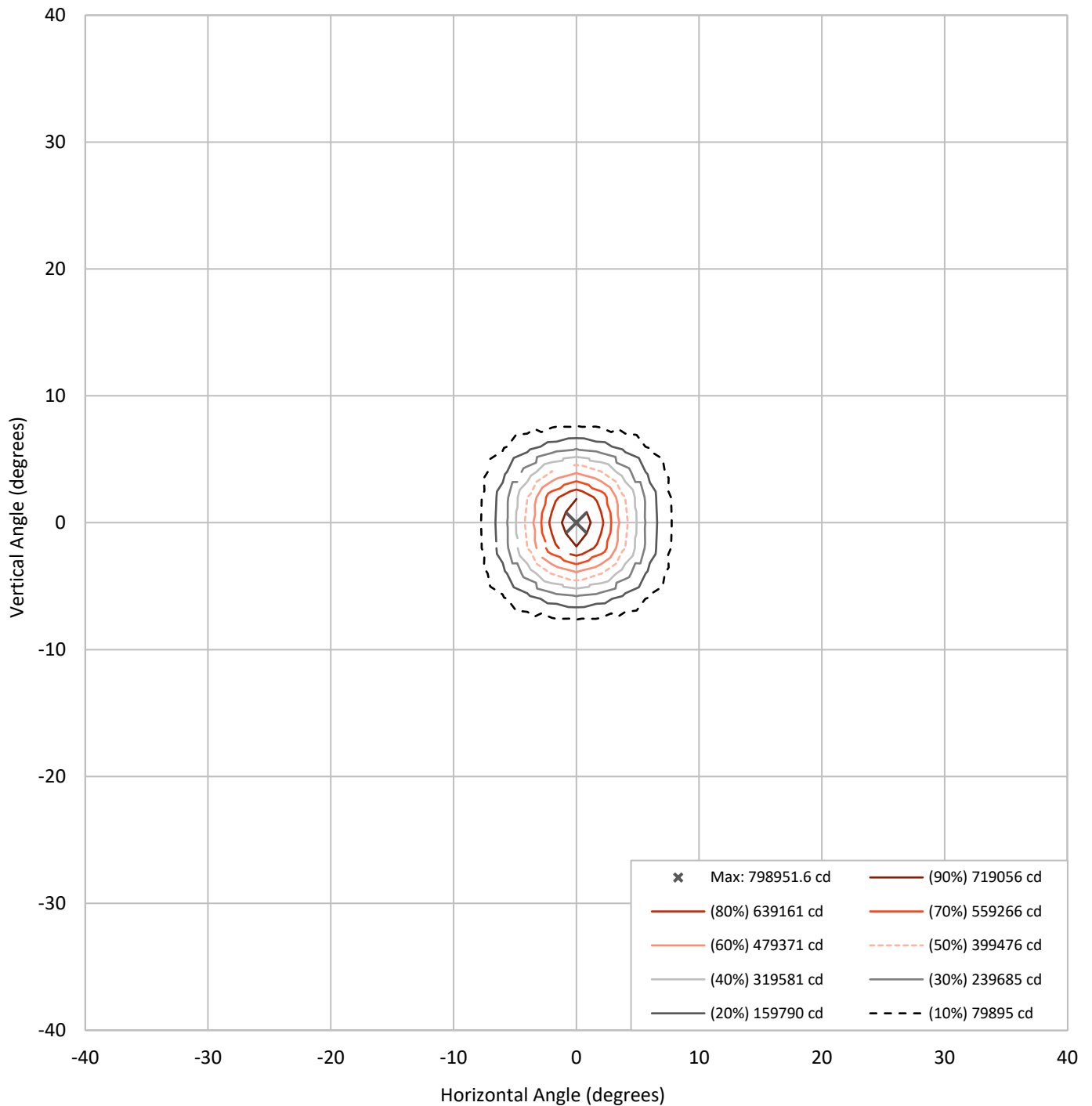
Field Angle (10%): 14.9°H x 14.6°V  
Field Lumens: 18888.3 lumens  
Field Efficiency: 71.0%

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

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CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

### Iso-Candela Plot





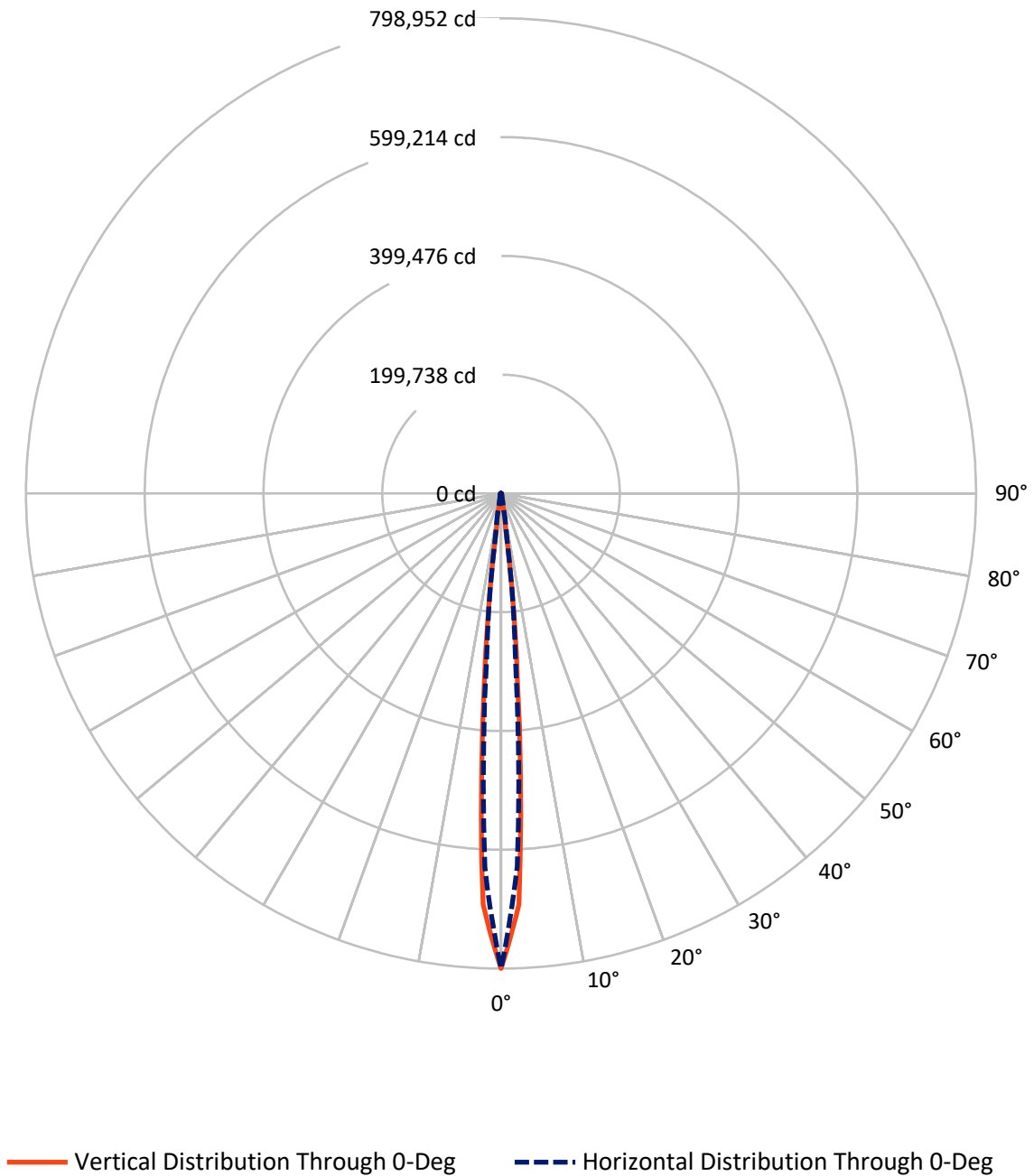
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### Lumen Table

90	0.1	1.0	3.6	8.3	14.4	8.3	3.6	1.0	0.1							
80	0.1	1.0	3.6	8.3	14.4	8.3	3.6	1.0	0.1							
70	0.6	0.7	1.8	3.7	5.7	7.1	11.6	21.3	21.3	11.6	7.1	5.7	3.7	1.8	0.7	0.6
60		1.4	3.3	6.8	10.6	13.8	18.5	26.1	26.1	18.5	13.8	10.6	6.8	3.3	1.4	
50	1.9	2.4	5.1	10.4	17.3	25.6	33.4	41.0	41.0	33.4	25.6	17.3	10.4	5.1	2.4	1.9
40		3.7	7.1	14.9	26.8	36.0	39.9	42.5	42.5	39.9	36.0	26.8	14.9	7.1	3.7	
30	3.6	5.5	9.8	20.9	32.9	37.7	50.0	66.5	66.5	50.0	37.7	32.9	20.9	9.8	5.5	3.6
20		7.4	13.8	27.5	36.2	48.5	97.3	186.9	186.9	97.3	48.5	36.2	27.5	13.8	7.4	
10	4.2	8.3	16.8	31.1	37.9	63.8	193.7	5195.8	5195.8	193.7	63.8	37.9	31.1	16.8	8.3	4.2
0		8.3	16.8	31.1	37.9	63.8	193.7	5195.8	5195.8	193.7	63.8	37.9	31.1	16.8	8.3	
-10	3.6	7.4	13.8	27.5	36.2	48.5	97.3	186.9	186.9	97.3	48.5	36.2	27.5	13.8	7.4	3.6
-20		5.5	9.8	20.9	32.9	37.7	50.0	66.5	66.5	50.0	37.7	32.9	20.9	9.8	5.5	
-30	1.9	3.7	7.1	14.9	26.8	36.0	39.9	42.5	42.5	39.9	36.0	26.8	14.9	7.1	3.7	1.9
-40		2.4	5.1	10.4	17.3	25.6	33.4	41.0	41.0	33.4	25.6	17.3	10.4	5.1	2.4	
-50	0.6	1.4	3.3	6.8	10.6	13.8	18.5	26.1	26.1	18.5	13.8	10.6	6.8	3.3	1.4	0.6
-60		0.7	1.8	3.7	5.7	7.1	11.6	21.3	21.3	11.6	7.1	5.7	3.7	1.8	0.7	
-70	0.1	1.0	3.6	8.3	14.4	8.3	3.6	1.0	0.1							
-80		0.1	1.0	3.6	8.3	14.4	8.3	3.6	1.0	0.1						
-90	0.1	1.0	3.6	8.3	14.4	8.3	3.6	1.0	0.1							

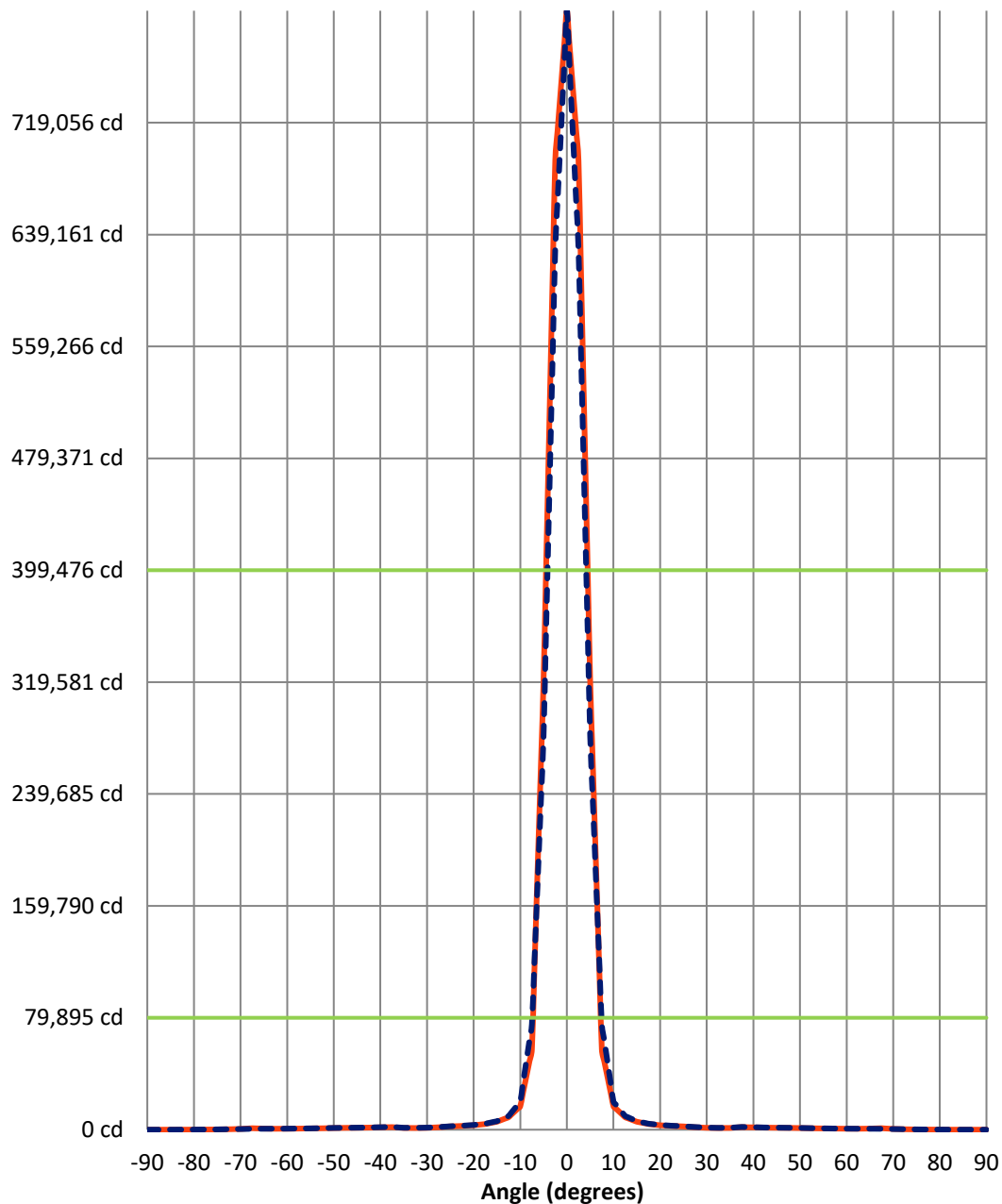
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 8.3°  
 V Angle: 8.9°  
 Lumens: 11974.1  
 Efficiency: 45.0%

**Field:**  
 H Angle: 14.9°  
 V Angle: 14.6°  
 Lumens: 18888.3  
 Efficiency: 71.0%

**Spill:**  
 Lumens: 7732.3  
 Efficiency: 29.0%

— 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	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.0	7.0	7.0
80°	0.0	1.2	2.4	3.6	4.8	6.0	7.0	7.0	7.0	7.0	7.0
77.5°	0.0	1.5	3.0	4.5	6.0	7.0	7.0	7.0	7.0	7.0	9.1
75°	0.0	1.8	3.6	5.4	7.0	7.0	7.0	7.0	7.7	12.7	17.7
72.5°	0.0	2.1	4.2	6.3	7.0	7.0	7.0	8.6	14.6	20.4	26.2
70°	0.0	2.4	4.8	7.0	7.0	7.0	7.7	14.6	21.4	28.1	33.0
67.5°	0.0	2.7	5.4	7.0	7.0	7.0	12.9	20.4	28.1	35.1	39.6
65°	0.0	3.0	5.9	7.0	7.0	9.3	18.2	26.2	35.4	42.4	48.3
62.5°	0.0	3.2	6.5	7.0	7.0	13.9	23.4	33.1	43.0	51.0	61.0
60°	0.0	3.5	7.0	7.0	7.0	18.5	28.7	40.5	50.7	63.6	74.1
57.5°	0.0	3.8	7.0	7.0	10.6	23.1	35.9	48.1	62.0	76.5	89.4
55°	0.0	4.0	7.0	7.0	14.3	27.6	43.5	56.4	74.3	90.2	105.8
52.5°	0.0	4.3	7.0	7.0	18.0	32.5	51.3	68.3	86.6	105.8	122.5
50°	0.0	4.5	7.0	7.0	21.6	39.4	59.3	81.1	99.7	121.6	141.9
47.5°	0.0	4.7	7.0	7.6	25.2	46.3	67.9	94.4	114.2	137.6	162.4
45°	0.0	4.9	7.0	10.3	28.6	53.3	80.0	108.2	131.4	157.2	183.9
42.5°	0.0	5.2	7.0	12.8	32.0	60.2	92.2	123.4	149.4	177.4	209.4
40°	0.0	5.4	7.0	15.2	36.4	67.2	104.7	139.7	169.3	198.7	236.5
37.5°	0.0	5.6	7.0	17.5	41.8	74.2	117.3	156.3	191.9	225.7	264.6
35°	0.0	5.7	7.0	19.7	47.1	83.2	130.1	173.2	215.0	256.2	291.6
32.5°	0.0	5.9	7.0	21.7	52.2	93.2	143.3	190.4	238.5	287.5	325.1
30°	0.0	6.1	7.0	23.6	57.2	103.0	157.1	208.3	262.3	319.6	363.2
27.5°	0.0	6.2	7.0	25.3	60.8	112.7	170.9	227.9	287.5	352.2	405.6
25°	0.0	6.3	7.0	26.9	63.9	122.1	184.4	247.3	314.6	387.0	451.5
22.5°	0.0	6.5	7.0	28.4	66.4	129.6	197.8	266.5	341.5	424.4	489.3
20°	0.0	6.6	7.0	29.7	68.4	132.3	210.8	285.3	368.2	463.5	526.8
17.5°	0.0	6.7	7.0	30.9	70.0	133.8	217.5	303.6	394.3	503.9	563.8
15°	0.0	6.8	7.0	31.9	71.1	134.2	219.9	316.4	419.8	544.9	600.4
12.5°	0.0	6.8	7.0	32.8	71.8	133.6	221.5	322.2	435.5	586.0	636.5
10°	0.0	6.9	7.0	33.5	72.1	132.1	222.3	327.0	442.7	601.4	661.6
7.5°	0.0	6.9	7.0	34.1	72.0	129.7	222.2	330.8	448.0	610.5	664.5
5°	0.0	7.0	7.0	34.5	71.5	126.6	221.1	333.3	451.4	616.6	666.6
2.5°	0.0	7.0	7.0	34.7	70.7	122.8	219.1	334.5	452.9	619.6	668.0
0°	0.0	7.0	7.0	34.8	69.6	118.4	215.9	334.2	452.6	619.7	668.5
-2.5°	0.0	7.0	7.0	34.7	70.7	122.8	219.1	334.5	452.9	619.6	668.0
-5°	0.0	7.0	7.0	34.5	71.5	126.6	221.1	333.3	451.4	616.6	666.6
-7.5°	0.0	6.9	7.0	34.1	72.0	129.7	222.2	330.8	448.0	610.5	664.5
-10°	0.0	6.9	7.0	33.5	72.1	132.1	222.3	327.0	442.7	601.4	661.6
-12.5°	0.0	6.8	7.0	32.8	71.8	133.6	221.5	322.2	435.5	586.0	636.5
-15°	0.0	6.8	7.0	31.9	71.1	134.2	219.9	316.4	419.8	544.9	600.4
-17.5°	0.0	6.7	7.0	30.9	70.0	133.8	217.5	303.6	394.3	503.9	563.8
-20°	0.0	6.6	7.0	29.7	68.4	132.3	210.8	285.3	368.2	463.5	526.8

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.5	7.0	28.4	66.4	129.6	197.8	266.5	341.5	424.4	489.3
-25°	0.0	6.3	7.0	26.9	63.9	122.1	184.4	247.3	314.6	387.0	451.5
-27.5°	0.0	6.2	7.0	25.3	60.8	112.7	170.9	227.9	287.5	352.2	405.6
-30°	0.0	6.1	7.0	23.6	57.2	103.0	157.1	208.3	262.3	319.6	363.2
-32.5°	0.0	5.9	7.0	21.7	52.2	93.2	143.3	190.4	238.5	287.5	325.1
-35°	0.0	5.7	7.0	19.7	47.1	83.2	130.1	173.2	215.0	256.2	291.6
-37.5°	0.0	5.6	7.0	17.5	41.8	74.2	117.3	156.3	191.9	225.7	264.6
-40°	0.0	5.4	7.0	15.2	36.4	67.2	104.7	139.7	169.3	198.7	236.5
-42.5°	0.0	5.2	7.0	12.8	32.0	60.2	92.2	123.4	149.4	177.4	209.4
-45°	0.0	4.9	7.0	10.3	28.6	53.3	80.0	108.2	131.4	157.2	183.9
-47.5°	0.0	4.7	7.0	7.6	25.2	46.3	67.9	94.4	114.2	137.6	162.4
-50°	0.0	4.5	7.0	7.0	21.6	39.4	59.3	81.1	99.7	121.6	141.9
-52.5°	0.0	4.3	7.0	7.0	18.0	32.5	51.3	68.3	86.6	105.8	122.5
-55°	0.0	4.0	7.0	7.0	14.3	27.6	43.5	56.4	74.3	90.2	105.8
-57.5°	0.0	3.8	7.0	7.0	10.6	23.1	35.9	48.1	62.0	76.5	89.4
-60°	0.0	3.5	7.0	7.0	7.0	18.5	28.7	40.5	50.7	63.6	74.1
-62.5°	0.0	3.2	6.5	7.0	7.0	13.9	23.4	33.1	43.0	51.0	61.0
-65°	0.0	3.0	5.9	7.0	7.0	9.3	18.2	26.2	35.4	42.4	48.3
-67.5°	0.0	2.7	5.4	7.0	7.0	7.0	12.9	20.4	28.1	35.1	39.6
-70°	0.0	2.4	4.8	7.0	7.0	7.0	7.7	14.6	21.4	28.1	33.0
-72.5°	0.0	2.1	4.2	6.3	7.0	7.0	7.0	8.6	14.6	20.4	26.2
-75°	0.0	1.8	3.6	5.4	7.0	7.0	7.0	7.0	7.7	12.7	17.7
-77.5°	0.0	1.5	3.0	4.5	6.0	7.0	7.0	7.0	7.0	7.0	9.1
-80°	0.0	1.2	2.4	3.6	4.8	6.0	7.0	7.0	7.0	7.0	7.0
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.0	7.0	7.0
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-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°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	3.9	2.7	1.4
85°	6.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.1	5.4	4.9
82.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.3	8.6	9.9	11.1	12.2
80°	7.0	7.0	9.3	11.1	12.9	14.8	16.7	18.4	20.1	22.3	24.7
77.5°	12.8	15.6	17.8	19.2	21.7	26.4	31.0	35.4	38.8	41.2	42.9
75°	21.7	24.5	27.8	32.5	38.3	44.0	49.6	54.9	59.7	65.2	71.5
72.5°	30.0	34.0	39.8	47.1	56.2	63.5	69.8	75.0	84.9	97.2	106.8
70°	36.9	43.1	53.4	65.3	76.4	84.8	97.1	112.4	128.6	137.9	143.7
67.5°	44.3	56.3	69.2	83.2	97.3	111.3	129.0	146.2	162.1	169.6	176.6
65°	56.0	69.7	85.3	101.2	116.9	135.8	154.8	173.2	189.6	199.0	209.1
62.5°	68.1	84.4	101.8	119.6	139.2	159.7	180.3	198.5	213.9	230.8	250.1
60°	83.8	99.3	118.6	139.2	161.4	185.8	206.8	230.0	249.5	267.1	297.7
57.5°	100.5	114.1	135.4	159.1	185.9	215.3	246.3	270.5	294.7	320.1	350.8
55°	118.1	128.2	152.4	180.2	213.3	256.9	290.0	317.9	346.1	368.9	395.7
52.5°	137.4	145.8	170.4	203.5	247.0	293.4	333.6	362.8	388.8	413.7	439.8
50°	157.9	170.0	188.6	230.8	276.8	325.1	373.5	402.7	431.9	459.0	486.9
47.5°	182.2	196.3	210.2	255.0	302.9	353.2	403.2	444.3	476.0	510.0	542.7
45°	209.0	225.9	240.7	276.1	326.7	379.0	433.7	486.8	525.4	566.2	619.3
42.5°	237.4	255.9	272.8	294.8	349.3	405.6	463.6	525.3	579.1	636.9	703.4
40°	264.8	285.6	304.1	326.4	371.2	431.7	496.4	564.0	642.8	718.3	796.8
37.5°	291.7	313.6	335.0	361.8	393.7	459.3	528.5	613.1	708.6	807.8	919.9
35°	318.1	340.7	366.8	397.0	431.8	488.0	571.7	667.1	781.8	915.2	1024.4
32.5°	342.9	366.9	397.4	431.1	474.4	528.7	613.9	732.8	869.2	1008.1	1097.3
30°	373.7	394.0	426.9	463.1	516.2	586.2	672.9	800.3	959.7	1068.5	1149.3
27.5°	415.6	421.4	455.2	498.4	559.0	643.1	751.8	884.1	1023.4	1123.6	1194.8
25°	457.2	466.3	481.6	534.1	609.9	709.8	834.6	990.5	1080.8	1165.4	1240.5
22.5°	498.5	509.6	529.4	568.2	659.5	778.3	929.8	1075.6	1166.6	1217.3	1286.1
20°	538.6	553.9	581.9	630.0	711.9	844.1	1022.6	1159.4	1250.7	1301.6	1349.2
17.5°	577.4	598.0	636.0	696.5	790.0	923.8	1109.7	1244.7	1340.1	1375.0	1431.6
15°	615.0	641.8	688.8	759.5	865.2	1013.4	1181.8	1319.1	1417.8	1442.0	1507.8
12.5°	651.5	685.2	740.3	819.0	935.5	1091.9	1243.9	1367.1	1454.0	1507.3	1580.4
10°	687.0	727.8	790.2	874.9	1000.8	1160.0	1295.9	1403.6	1482.0	1556.6	1647.2
7.5°	692.1	749.2	831.1	927.4	1061.0	1218.6	1339.0	1430.2	1513.5	1604.3	1719.8
5°	691.8	747.3	830.2	936.3	1083.6	1252.6	1368.0	1448.6	1546.1	1649.4	1793.6
2.5°	690.9	743.5	827.1	936.2	1080.6	1256.0	1365.2	1450.0	1560.2	1709.5	1865.2
0°	<b>689.3</b>	<b>738.1</b>	<b>821.6</b>	<b>933.0</b>	<b>1072.3</b>	<b>1253.3</b>	<b>1357.8</b>	<b>1448.3</b>	<b>1566.7</b>	<b>1775.6</b>	<b>1928.8</b>
-2.5°	690.9	743.5	827.1	936.2	1080.6	1256.0	1365.2	1450.0	1560.2	1709.5	1865.2
-5°	691.8	747.3	830.2	936.3	1083.6	1252.6	1368.0	1448.6	1546.1	1649.4	1793.6
-7.5°	692.1	749.2	831.1	927.4	1061.0	1218.6	1339.0	1430.2	1513.5	1604.3	1719.8
-10°	687.0	727.8	790.2	874.9	1000.8	1160.0	1295.9	1403.6	1482.0	1556.6	1647.2
-12.5°	651.5	685.2	740.3	819.0	935.5	1091.9	1243.9	1367.1	1454.0	1507.3	1580.4
-15°	615.0	641.8	688.8	759.5	865.2	1013.4	1181.8	1319.1	1417.8	1442.0	1507.8
-17.5°	577.4	598.0	636.0	696.5	790.0	923.8	1109.7	1244.7	1340.1	1375.0	1431.6
-20°	538.6	553.9	581.9	630.0	711.9	844.1	1022.6	1159.4	1250.7	1301.6	1349.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	498.5	509.6	529.4	568.2	659.5	778.3	929.8	1075.6	1166.6	1217.3	1286.1
-25°	457.2	466.3	481.6	534.1	609.9	709.8	834.6	990.5	1080.8	1165.4	1240.5
-27.5°	415.6	421.4	455.2	498.4	559.0	643.1	751.8	884.1	1023.4	1123.6	1194.8
-30°	373.7	394.0	426.9	463.1	516.2	586.2	672.9	800.3	959.7	1068.5	1149.3
-32.5°	342.9	366.9	397.4	431.1	474.4	528.7	613.9	732.8	869.2	1008.1	1097.3
-35°	318.1	340.7	366.8	397.0	431.8	488.0	571.7	667.1	781.8	915.2	1024.4
-37.5°	291.7	313.6	335.0	361.8	393.7	459.3	528.5	613.1	708.6	807.8	919.9
-40°	264.8	285.6	304.1	326.4	371.2	431.7	496.4	564.0	642.8	718.3	796.8
-42.5°	237.4	255.9	272.8	294.8	349.3	405.6	463.6	525.3	579.1	636.9	703.4
-45°	209.0	225.9	240.7	276.1	326.7	379.0	433.7	486.8	525.4	566.2	619.3
-47.5°	182.2	196.3	210.2	255.0	302.9	353.2	403.2	444.3	476.0	510.0	542.7
-50°	157.9	170.0	188.6	230.8	276.8	325.1	373.5	402.7	431.9	459.0	486.9
-52.5°	137.4	145.8	170.4	203.5	247.0	293.4	333.6	362.8	388.8	413.7	439.8
-55°	118.1	128.2	152.4	180.2	213.3	256.9	290.0	317.9	346.1	368.9	395.7
-57.5°	100.5	114.1	135.4	159.1	185.9	215.3	246.3	270.5	294.7	320.1	350.8
-60°	83.8	99.3	118.6	139.2	161.4	185.8	206.8	230.0	249.5	267.1	297.7
-62.5°	68.1	84.4	101.8	119.6	139.2	159.7	180.3	198.5	213.9	230.8	250.1
-65°	56.0	69.7	85.3	101.2	116.9	135.8	154.8	173.2	189.6	199.0	209.1
-67.5°	44.3	56.3	69.2	83.2	97.3	111.3	129.0	146.2	162.1	169.6	176.6
-70°	36.9	43.1	53.4	65.3	76.4	84.8	97.1	112.4	128.6	137.9	143.7
-72.5°	30.0	34.0	39.8	47.1	56.2	63.5	69.8	75.0	84.9	97.2	106.8
-75°	21.7	24.5	27.8	32.5	38.3	44.0	49.6	54.9	59.7	65.2	71.5
-77.5°	12.8	15.6	17.8	19.2	21.7	26.4	31.0	35.4	38.8	41.2	42.9
-80°	7.0	7.0	9.3	11.1	12.9	14.8	16.7	18.4	20.1	22.3	24.7
-82.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.3	8.6	9.9	11.1	12.2
-85°	6.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.1	5.4	4.9
-87.5°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	3.9	2.7	1.4
-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: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4	6.5	6.7	6.8
82.5°	13.3	13.5	13.3	12.8	12.0	13.6	15.4	17.4	19.4	19.9	20.3
80°	26.6	27.7	28.8	30.0	31.3	35.8	40.8	45.7	50.6	52.4	53.6
77.5°	45.7	49.9	53.3	55.5	56.8	64.2	74.0	84.3	94.9	101.3	106.8
75°	78.7	83.1	84.8	85.7	85.7	98.4	118.2	139.3	161.6	172.8	180.4
72.5°	114.0	117.6	118.8	119.0	118.2	136.6	171.8	210.1	250.9	273.6	288.8
70°	148.9	152.6	153.3	153.2	152.7	174.2	224.0	275.9	329.2	382.6	440.1
67.5°	184.2	191.8	193.4	193.5	193.4	209.6	260.4	307.3	350.8	449.3	606.6
65°	222.4	240.4	245.0	245.5	242.7	247.6	291.1	330.2	365.8	437.8	545.8
62.5°	271.7	295.8	303.9	304.5	302.8	298.9	335.0	368.5	399.4	445.6	519.0
60°	325.8	351.6	363.4	363.4	361.9	358.9	384.8	416.6	446.5	484.4	554.5
57.5°	376.5	401.0	419.8	421.1	420.9	419.1	439.4	475.5	510.5	548.3	623.6
55°	423.3	449.6	474.7	482.2	487.4	490.5	507.6	555.7	602.5	647.7	723.4
52.5°	469.3	502.5	534.6	553.9	570.9	586.1	604.2	663.7	721.6	776.2	849.2
50°	524.4	564.5	610.4	647.0	675.1	703.1	728.0	795.7	875.1	951.7	1028.4
47.5°	593.8	645.9	702.1	757.5	800.1	852.2	899.4	969.3	1047.1	1127.5	1197.4
45°	675.7	741.8	810.8	894.5	964.2	1000.8	1030.6	1077.3	1161.6	1244.3	1312.0
42.5°	771.1	861.5	957.3	1022.3	1071.7	1103.0	1124.6	1144.4	1233.6	1310.8	1372.5
40°	899.3	994.1	1058.7	1113.8	1150.7	1179.4	1209.7	1242.9	1304.3	1374.8	1443.0
37.5°	1016.2	1083.9	1140.3	1185.3	1222.7	1254.8	1294.7	1332.4	1382.0	1467.8	1527.9
35°	1097.8	1156.0	1211.9	1258.8	1301.1	1337.8	1388.8	1464.3	1531.4	1466.4	1371.8
32.5°	1159.3	1217.0	1277.3	1346.8	1399.2	1466.4	1540.2	1397.1	1250.1	1190.5	1200.8
30°	1210.9	1272.1	1347.8	1441.2	1532.9	1478.4	1276.2	1202.4	1214.6	1243.6	1308.9
27.5°	1259.6	1326.8	1416.9	1545.7	1451.5	1226.6	1223.5	1247.7	1345.2	1433.6	1577.6
25°	1311.6	1383.7	1517.8	1446.1	1242.2	1243.1	1308.1	1414.5	1617.6	1813.0	2006.5
22.5°	1368.6	1484.7	1493.4	1245.7	1251.4	1336.0	1481.8	1740.6	2009.8	2286.9	2481.6
20°	1434.7	1582.1	1329.8	1260.4	1330.2	1495.2	1792.0	2126.5	2446.6	2645.1	2818.4
17.5°	1530.6	1462.4	1276.3	1300.2	1455.9	1767.1	2142.1	2496.3	2745.3	3056.2	3336.6
15°	1612.8	1348.7	1294.0	1411.3	1672.7	2051.8	2477.8	2760.5	3159.5	3619.5	4153.2
12.5°	1562.5	1305.3	1329.7	1513.7	1877.0	2334.4	2688.4	3095.7	3640.3	4324.7	5403.3
10°	1495.3	1321.6	1411.9	1673.9	2082.7	2537.3	2888.5	3409.9	4178.8	5418.0	7394.3
7.5°	1448.7	1327.4	1464.0	1795.1	2255.4	2663.0	3109.5	3790.1	4867.5	6714.4	9776.1
5°	1409.9	1324.1	1481.7	1855.0	2361.0	2747.8	3263.8	4084.9	5532.0	8328.4	15497.2
2.5°	1388.1	1317.9	1481.7	1883.4	2419.6	2795.2	3343.0	4225.8	5913.4	9379.9	19099.0
0°	1392.6	1316.0	1476.2	1893.9	2444.0	2820.0	3377.1	4289.2	6078.7	9797.0	20011.7
-2.5°	1388.1	1317.9	1481.7	1883.4	2419.6	2795.2	3343.0	4225.8	5913.4	9379.9	19099.0
-5°	1409.9	1324.1	1481.7	1855.0	2361.0	2747.8	3263.8	4084.9	5532.0	8328.4	15497.2
-7.5°	1448.7	1327.4	1464.0	1795.1	2255.4	2663.0	3109.5	3790.1	4867.5	6714.4	9776.1
-10°	1495.3	1321.6	1411.9	1673.9	2082.7	2537.3	2888.5	3409.9	4178.8	5418.0	7394.3
-12.5°	1562.5	1305.3	1329.7	1513.7	1877.0	2334.4	2688.4	3095.7	3640.3	4324.7	5403.3
-15°	1612.8	1348.7	1294.0	1411.3	1672.7	2051.8	2477.8	2760.5	3159.5	3619.5	4153.2
-17.5°	1530.6	1462.4	1276.3	1300.2	1455.9	1767.1	2142.1	2496.3	2745.3	3056.2	3336.6
-20°	1434.7	1582.1	1329.8	1260.4	1330.2	1495.2	1792.0	2126.5	2446.6	2645.1	2818.4

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1368.6	1484.7	1493.4	1245.7	1251.4	1336.0	1481.8	1740.6	2009.8	2286.9	2481.6
-25°	1311.6	1383.7	1517.8	1446.1	1242.2	1243.1	1308.1	1414.5	1617.6	1813.0	2006.5
-27.5°	1259.6	1326.8	1416.9	1545.7	1451.5	1226.6	1223.5	1247.7	1345.2	1433.6	1577.6
-30°	1210.9	1272.1	1347.8	1441.2	1532.9	1478.4	1276.2	1202.4	1214.6	1243.6	1308.9
-32.5°	1159.3	1217.0	1277.3	1346.8	1399.2	1466.4	1540.2	1397.1	1250.1	1190.5	1200.8
-35°	1097.8	1156.0	1211.9	1258.8	1301.1	1337.8	1388.8	1464.3	1531.4	1466.4	1371.8
-37.5°	1016.2	1083.9	1140.3	1185.3	1222.7	1254.8	1294.7	1332.4	1382.0	1467.8	1527.9
-40°	899.3	994.1	1058.7	1113.8	1150.7	1179.4	1209.7	1242.9	1304.3	1374.8	1443.0
-42.5°	771.1	861.5	957.3	1022.3	1071.7	1103.0	1124.6	1144.4	1233.6	1310.8	1372.5
-45°	675.7	741.8	810.8	894.5	964.2	1000.8	1030.6	1077.3	1161.6	1244.3	1312.0
-47.5°	593.8	645.9	702.1	757.5	800.1	852.2	899.4	969.3	1047.1	1127.5	1197.4
-50°	524.4	564.5	610.4	647.0	675.1	703.1	728.0	795.7	875.1	951.7	1028.4
-52.5°	469.3	502.5	534.6	553.9	570.9	586.1	604.2	663.7	721.6	776.2	849.2
-55°	423.3	449.6	474.7	482.2	487.4	490.5	507.6	555.7	602.5	647.7	723.4
-57.5°	376.5	401.0	419.8	421.1	420.9	419.1	439.4	475.5	510.5	548.3	623.6
-60°	325.8	351.6	363.4	363.4	361.9	358.9	384.8	416.6	446.5	484.4	554.5
-62.5°	271.7	295.8	303.9	304.5	302.8	298.9	335.0	368.5	399.4	445.6	519.0
-65°	222.4	240.4	245.0	245.5	242.7	247.6	291.1	330.2	365.8	437.8	545.8
-67.5°	184.2	191.8	193.4	193.5	193.4	209.6	260.4	307.3	350.8	449.3	606.6
-70°	148.9	152.6	153.3	153.2	152.7	174.2	224.0	275.9	329.2	382.6	440.1
-72.5°	114.0	117.6	118.8	119.0	118.2	136.6	171.8	210.1	250.9	273.6	288.8
-75°	78.7	83.1	84.8	85.7	85.7	98.4	118.2	139.3	161.6	172.8	180.4
-77.5°	45.7	49.9	53.3	55.5	56.8	64.2	74.0	84.3	94.9	101.3	106.8
-80°	26.6	27.7	28.8	30.0	31.3	35.8	40.8	45.7	50.6	52.4	53.6
-82.5°	13.3	13.5	13.3	12.8	12.0	13.6	15.4	17.4	19.4	19.9	20.3
-85°	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4	6.5	6.7	6.8
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	6.9	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.5	6.4
82.5°	20.5	20.7	20.9	20.9	20.9	20.7	20.5	20.3	19.9	19.4	17.4
80°	54.5	55.2	55.6	55.7	55.6	55.2	54.5	53.6	52.4	50.6	45.7
77.5°	112.1	117.0	111.3	104.4	111.3	117.0	112.1	106.8	101.3	94.9	84.3
75°	187.1	193.0	184.5	174.1	184.5	193.0	187.1	180.4	172.8	161.6	139.3
72.5°	303.0	316.0	316.1	313.3	316.1	316.0	303.0	288.8	273.6	250.9	210.1
70°	501.1	563.2	559.7	543.1	559.7	563.2	501.1	440.1	382.6	329.2	275.9
67.5°	777.4	955.6	1014.0	1044.5	1014.0	955.6	777.4	606.6	449.3	350.8	307.3
65°	643.9	736.4	766.3	786.8	766.3	736.4	643.9	545.8	437.8	365.8	330.2
62.5°	586.5	650.4	662.7	661.5	662.7	650.4	586.5	519.0	445.6	399.4	368.5
60°	623.2	690.6	700.9	689.3	700.9	690.6	623.2	554.5	484.4	446.5	416.6
57.5°	697.1	768.6	786.9	779.9	786.9	768.6	697.1	623.6	548.3	510.5	475.5
55°	795.8	863.8	892.4	898.2	892.4	863.8	795.8	723.4	647.7	602.5	555.7
52.5°	922.7	991.2	1016.3	1009.6	1016.3	991.2	922.7	849.2	776.2	721.6	663.7
50°	1096.3	1153.4	1175.9	1169.8	1175.9	1153.4	1096.3	1028.4	951.7	875.1	795.7
47.5°	1246.4	1286.0	1306.4	1309.0	1306.4	1286.0	1246.4	1197.4	1127.5	1047.1	969.3
45°	1339.5	1359.8	1370.3	1371.7	1370.3	1359.8	1339.5	1312.0	1244.3	1161.6	1077.3
42.5°	1409.6	1450.9	1480.4	1483.1	1480.4	1450.9	1409.6	1372.5	1310.8	1233.6	1144.4
40°	1497.4	1545.4	1596.2	1664.2	1596.2	1545.4	1497.4	1443.0	1374.8	1304.3	1242.9
37.5°	1590.8	1663.8	1741.3	1831.3	1741.3	1663.8	1590.8	1527.9	1467.8	1382.0	1332.4
35°	1307.0	1267.3	1245.9	1260.3	1245.9	1267.3	1307.0	1371.8	1466.4	1531.4	1464.3
32.5°	1208.3	1210.1	1205.4	1204.6	1205.4	1210.1	1208.3	1200.8	1190.5	1250.1	1397.1
30°	1360.7	1370.9	1358.7	1336.9	1358.7	1370.9	1360.7	1308.9	1243.6	1214.6	1202.4
27.5°	1681.7	1732.2	1747.5	1726.8	1747.5	1732.2	1681.7	1577.6	1433.6	1345.2	1247.7
25°	2165.9	2274.3	2329.7	2339.6	2329.7	2274.3	2165.9	2006.5	1813.0	1617.6	1414.5
22.5°	2582.6	2649.0	2686.7	2687.7	2686.7	2649.0	2582.6	2481.6	2286.9	2009.8	1740.6
20°	3008.4	3123.2	3173.7	3161.2	3173.7	3123.2	3008.4	2818.4	2645.1	2446.6	2126.5
17.5°	3685.3	3925.6	4041.4	4052.5	4041.4	3925.6	3685.3	3336.6	3056.2	2745.3	2496.3
15°	4763.5	5325.5	5639.8	5681.8	5639.8	5325.5	4763.5	4153.2	3619.5	3159.5	2760.5
12.5°	6583.5	7920.2	8767.5	8884.8	8767.5	7920.2	6583.5	5403.3	4324.7	3640.3	3095.7
10°	9622.3	13931.4	16544.3	16669.5	16544.3	13931.4	9622.3	7394.3	5418.0	4178.8	3409.9
7.5°	18772.8	30592.9	49525.0	57277.9	49525.0	30592.9	18772.8	9776.1	6714.4	4867.5	3790.1
5°	38360.6	136489.7	265375.5	320668.3	265375.5	136489.7	38360.6	15497.2	8328.4	5532.0	4084.9
2.5°	69708.6	274858.4	571400.9	691766.3	571400.9	274858.4	69708.6	19099.0	9379.9	5913.4	4225.8
0°	75440.9	280721.4	628207.8	798951.6	628207.8	280721.4	75440.9	20011.7	9797.0	6078.7	4289.2
-2.5°	69708.6	274858.4	571400.9	691766.3	571400.9	274858.4	69708.6	19099.0	9379.9	5913.4	4225.8
-5°	38360.6	136489.7	265375.5	320668.3	265375.5	136489.7	38360.6	15497.2	8328.4	5532.0	4084.9
-7.5°	18772.8	30592.9	49525.0	57277.9	49525.0	30592.9	18772.8	9776.1	6714.4	4867.5	3790.1
-10°	9622.3	13931.4	16544.3	16669.5	16544.3	13931.4	9622.3	7394.3	5418.0	4178.8	3409.9
-12.5°	6583.5	7920.2	8767.5	8884.8	8767.5	7920.2	6583.5	5403.3	4324.7	3640.3	3095.7
-15°	4763.5	5325.5	5639.8	5681.8	5639.8	5325.5	4763.5	4153.2	3619.5	3159.5	2760.5
-17.5°	3685.3	3925.6	4041.4	4052.5	4041.4	3925.6	3685.3	3336.6	3056.2	2745.3	2496.3
-20°	3008.4	3123.2	3173.7	3161.2	3173.7	3123.2	3008.4	2818.4	2645.1	2446.6	2126.5



REPORT NUMBER: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2582.6	2649.0	2686.7	2687.7	2686.7	2649.0	2582.6	2481.6	2286.9	2009.8	1740.6
-25°	2165.9	2274.3	2329.7	2339.6	2329.7	2274.3	2165.9	2006.5	1813.0	1617.6	1414.5
-27.5°	1681.7	1732.2	1747.5	1726.8	1747.5	1732.2	1681.7	1577.6	1433.6	1345.2	1247.7
-30°	1360.7	1370.9	1358.7	1336.9	1358.7	1370.9	1360.7	1308.9	1243.6	1214.6	1202.4
-32.5°	1208.3	1210.1	1205.4	1204.6	1205.4	1210.1	1208.3	1200.8	1190.5	1250.1	1397.1
-35°	1307.0	1267.3	1245.9	1260.3	1245.9	1267.3	1307.0	1371.8	1466.4	1531.4	1464.3
-37.5°	1590.8	1663.8	1741.3	1831.3	1741.3	1663.8	1590.8	1527.9	1467.8	1382.0	1332.4
-40°	1497.4	1545.4	1596.2	1664.2	1596.2	1545.4	1497.4	1443.0	1374.8	1304.3	1242.9
-42.5°	1409.6	1450.9	1480.4	1483.1	1480.4	1450.9	1409.6	1372.5	1310.8	1233.6	1144.4
-45°	1339.5	1359.8	1370.3	1371.7	1370.3	1359.8	1339.5	1312.0	1244.3	1161.6	1077.3
-47.5°	1246.4	1286.0	1306.4	1309.0	1306.4	1286.0	1246.4	1197.4	1127.5	1047.1	969.3
-50°	1096.3	1153.4	1175.9	1169.8	1175.9	1153.4	1096.3	1028.4	951.7	875.1	795.7
-52.5°	922.7	991.2	1016.3	1009.6	1016.3	991.2	922.7	849.2	776.2	721.6	663.7
-55°	795.8	863.8	892.4	898.2	892.4	863.8	795.8	723.4	647.7	602.5	555.7
-57.5°	697.1	768.6	786.9	779.9	786.9	768.6	697.1	623.6	548.3	510.5	475.5
-60°	623.2	690.6	700.9	689.3	700.9	690.6	623.2	554.5	484.4	446.5	416.6
-62.5°	586.5	650.4	662.7	661.5	662.7	650.4	586.5	519.0	445.6	399.4	368.5
-65°	643.9	736.4	766.3	786.8	766.3	736.4	643.9	545.8	437.8	365.8	330.2
-67.5°	777.4	955.6	1014.0	1044.5	1014.0	955.6	777.4	606.6	449.3	350.8	307.3
-70°	501.1	563.2	559.7	543.1	559.7	563.2	501.1	440.1	382.6	329.2	275.9
-72.5°	303.0	316.0	316.1	313.3	316.1	316.0	303.0	288.8	273.6	250.9	210.1
-75°	187.1	193.0	184.5	174.1	184.5	193.0	187.1	180.4	172.8	161.6	139.3
-77.5°	112.1	117.0	111.3	104.4	111.3	117.0	112.1	106.8	101.3	94.9	84.3
-80°	54.5	55.2	55.6	55.7	55.6	55.2	54.5	53.6	52.4	50.6	45.7
-82.5°	20.5	20.7	20.9	20.9	20.9	20.7	20.5	20.3	19.9	19.4	17.4
-85°	6.9	6.9	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.5	6.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.7	3.9	4.9
85°	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.9	5.4	6.1	7.0
82.5°	15.4	13.6	12.0	12.8	13.3	13.5	13.3	12.2	11.1	9.9	8.6
80°	40.8	35.8	31.3	30.0	28.8	27.7	26.6	24.7	22.3	20.1	18.4
77.5°	74.0	64.2	56.8	55.5	53.3	49.9	45.7	42.9	41.2	38.8	35.4
75°	118.2	98.4	85.7	85.7	84.8	83.1	78.7	71.5	65.2	59.7	54.9
72.5°	171.8	136.6	118.2	119.0	118.8	117.6	114.0	106.8	97.2	84.9	75.0
70°	224.0	174.2	152.7	153.2	153.3	152.6	148.9	143.7	137.9	128.6	112.4
67.5°	260.4	209.6	193.4	193.5	193.4	191.8	184.2	176.6	169.6	162.1	146.2
65°	291.1	247.6	242.7	245.5	245.0	240.4	222.4	209.1	199.0	189.6	173.2
62.5°	335.0	298.9	302.8	304.5	303.9	295.8	271.7	250.1	230.8	213.9	198.5
60°	384.8	358.9	361.9	363.4	363.4	351.6	325.8	297.7	267.1	249.5	230.0
57.5°	439.4	419.1	420.9	421.1	419.8	401.0	376.5	350.8	320.1	294.7	270.5
55°	507.6	490.5	487.4	482.2	474.7	449.6	423.3	395.7	368.9	346.1	317.9
52.5°	604.2	586.1	570.9	553.9	534.6	502.5	469.3	439.8	413.7	388.8	362.8
50°	728.0	703.1	675.1	647.0	610.4	564.5	524.4	486.9	459.0	431.9	402.7
47.5°	899.4	852.2	800.1	757.5	702.1	645.9	593.8	542.7	510.0	476.0	444.3
45°	1030.6	1000.8	964.2	894.5	810.8	741.8	675.7	619.3	566.2	525.4	486.8
42.5°	1124.6	1103.0	1071.7	1022.3	957.3	861.5	771.1	703.4	636.9	579.1	525.3
40°	1209.7	1179.4	1150.7	1113.8	1058.7	994.1	899.3	796.8	718.3	642.8	564.0
37.5°	1294.7	1254.8	1222.7	1185.3	1140.3	1083.9	1016.2	919.9	807.8	708.6	613.1
35°	1388.8	1337.8	1301.1	1258.8	1211.9	1156.0	1097.8	1024.4	915.2	781.8	667.1
32.5°	1540.2	1466.4	1399.2	1346.8	1277.3	1217.0	1159.3	1097.3	1008.1	869.2	732.8
30°	1276.2	1478.4	1532.9	1441.2	1347.8	1272.1	1210.9	1149.3	1068.5	959.7	800.3
27.5°	1223.5	1226.6	1451.5	1545.7	1416.9	1326.8	1259.6	1194.8	1123.6	1023.4	884.1
25°	1308.1	1243.1	1242.2	1446.1	1517.8	1383.7	1311.6	1240.5	1165.4	1080.8	990.5
22.5°	1481.8	1336.0	1251.4	1245.7	1493.4	1484.7	1368.6	1286.1	1217.3	1166.6	1075.6
20°	1792.0	1495.2	1330.2	1260.4	1329.8	1582.1	1434.7	1349.2	1301.6	1250.7	1159.4
17.5°	2142.1	1767.1	1455.9	1300.2	1276.3	1462.4	1530.6	1431.6	1375.0	1340.1	1244.7
15°	2477.8	2051.8	1672.7	1411.3	1294.0	1348.7	1612.8	1507.8	1442.0	1417.8	1319.1
12.5°	2688.4	2334.4	1877.0	1513.7	1329.7	1305.3	1562.5	1580.4	1507.3	1454.0	1367.1
10°	2888.5	2537.3	2082.7	1673.9	1411.9	1321.6	1495.3	1647.2	1556.6	1482.0	1403.6
7.5°	3109.5	2663.0	2255.4	1795.1	1464.0	1327.4	1448.7	1719.8	1604.3	1513.5	1430.2
5°	3263.8	2747.8	2361.0	1855.0	1481.7	1324.1	1409.9	1793.6	1649.4	1546.1	1448.6
2.5°	3343.0	2795.2	2419.6	1883.4	1481.7	1317.9	1388.1	1865.2	1709.5	1560.2	1450.0
0°	3377.1	2820.0	2444.0	1893.9	1476.2	1316.0	1392.6	1928.8	1775.6	1566.7	1448.3
-2.5°	3343.0	2795.2	2419.6	1883.4	1481.7	1317.9	1388.1	1865.2	1709.5	1560.2	1450.0
-5°	3263.8	2747.8	2361.0	1855.0	1481.7	1324.1	1409.9	1793.6	1649.4	1546.1	1448.6
-7.5°	3109.5	2663.0	2255.4	1795.1	1464.0	1327.4	1448.7	1719.8	1604.3	1513.5	1430.2
-10°	2888.5	2537.3	2082.7	1673.9	1411.9	1321.6	1495.3	1647.2	1556.6	1482.0	1403.6
-12.5°	2688.4	2334.4	1877.0	1513.7	1329.7	1305.3	1562.5	1580.4	1507.3	1454.0	1367.1
-15°	2477.8	2051.8	1672.7	1411.3	1294.0	1348.7	1612.8	1507.8	1442.0	1417.8	1319.1
-17.5°	2142.1	1767.1	1455.9	1300.2	1276.3	1462.4	1530.6	1431.6	1375.0	1340.1	1244.7
-20°	1792.0	1495.2	1330.2	1260.4	1329.8	1582.1	1434.7	1349.2	1301.6	1250.7	1159.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1481.8	1336.0	1251.4	1245.7	1493.4	1484.7	1368.6	1286.1	1217.3	1166.6	1075.6
-25°	1308.1	1243.1	1242.2	1446.1	1517.8	1383.7	1311.6	1240.5	1165.4	1080.8	990.5
-27.5°	1223.5	1226.6	1451.5	1545.7	1416.9	1326.8	1259.6	1194.8	1123.6	1023.4	884.1
-30°	1276.2	1478.4	1532.9	1441.2	1347.8	1272.1	1210.9	1149.3	1068.5	959.7	800.3
-32.5°	1540.2	1466.4	1399.2	1346.8	1277.3	1217.0	1159.3	1097.3	1008.1	869.2	732.8
-35°	1388.8	1337.8	1301.1	1258.8	1211.9	1156.0	1097.8	1024.4	915.2	781.8	667.1
-37.5°	1294.7	1254.8	1222.7	1185.3	1140.3	1083.9	1016.2	919.9	807.8	708.6	613.1
-40°	1209.7	1179.4	1150.7	1113.8	1058.7	994.1	899.3	796.8	718.3	642.8	564.0
-42.5°	1124.6	1103.0	1071.7	1022.3	957.3	861.5	771.1	703.4	636.9	579.1	525.3
-45°	1030.6	1000.8	964.2	894.5	810.8	741.8	675.7	619.3	566.2	525.4	486.8
-47.5°	899.4	852.2	800.1	757.5	702.1	645.9	593.8	542.7	510.0	476.0	444.3
-50°	728.0	703.1	675.1	647.0	610.4	564.5	524.4	486.9	459.0	431.9	402.7
-52.5°	604.2	586.1	570.9	553.9	534.6	502.5	469.3	439.8	413.7	388.8	362.8
-55°	507.6	490.5	487.4	482.2	474.7	449.6	423.3	395.7	368.9	346.1	317.9
-57.5°	439.4	419.1	420.9	421.1	419.8	401.0	376.5	350.8	320.1	294.7	270.5
-60°	384.8	358.9	361.9	363.4	363.4	351.6	325.8	297.7	267.1	249.5	230.0
-62.5°	335.0	298.9	302.8	304.5	303.9	295.8	271.7	250.1	230.8	213.9	198.5
-65°	291.1	247.6	242.7	245.5	245.0	240.4	222.4	209.1	199.0	189.6	173.2
-67.5°	260.4	209.6	193.4	193.5	193.4	191.8	184.2	176.6	169.6	162.1	146.2
-70°	224.0	174.2	152.7	153.2	153.3	152.6	148.9	143.7	137.9	128.6	112.4
-72.5°	171.8	136.6	118.2	119.0	118.8	117.6	114.0	106.8	97.2	84.9	75.0
-75°	118.2	98.4	85.7	85.7	84.8	83.1	78.7	71.5	65.2	59.7	54.9
-77.5°	74.0	64.2	56.8	55.5	53.3	49.9	45.7	42.9	41.2	38.8	35.4
-80°	40.8	35.8	31.3	30.0	28.8	27.7	26.6	24.7	22.3	20.1	18.4
-82.5°	15.4	13.6	12.0	12.8	13.3	13.5	13.3	12.2	11.1	9.9	8.6
-85°	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.9	5.4	6.1	7.0
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.7	3.9	4.9
-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: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**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°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
85°	7.0	7.0	7.0	7.0	7.0	7.0	6.5	5.9	5.4	4.8	4.2
82.5°	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.3
80°	16.7	14.8	12.9	11.1	9.3	7.0	7.0	7.0	7.0	7.0	7.0
77.5°	31.0	26.4	21.7	19.2	17.8	15.6	12.8	9.1	7.0	7.0	7.0
75°	49.6	44.0	38.3	32.5	27.8	24.5	21.7	17.7	12.7	7.7	7.0
72.5°	69.8	63.5	56.2	47.1	39.8	34.0	30.0	26.2	20.4	14.6	8.6
70°	97.1	84.8	76.4	65.3	53.4	43.1	36.9	33.0	28.1	21.4	14.6
67.5°	129.0	111.3	97.3	83.2	69.2	56.3	44.3	39.6	35.1	28.1	20.4
65°	154.8	135.8	116.9	101.2	85.3	69.7	56.0	48.3	42.4	35.4	26.2
62.5°	180.3	159.7	139.2	119.6	101.8	84.4	68.1	61.0	51.0	43.0	33.1
60°	206.8	185.8	161.4	139.2	118.6	99.3	83.8	74.1	63.6	50.7	40.5
57.5°	246.3	215.3	185.9	159.1	135.4	114.1	100.5	89.4	76.5	62.0	48.1
55°	290.0	256.9	213.3	180.2	152.4	128.2	118.1	105.8	90.2	74.3	56.4
52.5°	333.6	293.4	247.0	203.5	170.4	145.8	137.4	122.5	105.8	86.6	68.3
50°	373.5	325.1	276.8	230.8	188.6	170.0	157.9	141.9	121.6	99.7	81.1
47.5°	403.2	353.2	302.9	255.0	210.2	196.3	182.2	162.4	137.6	114.2	94.4
45°	433.7	379.0	326.7	276.1	240.7	225.9	209.0	183.9	157.2	131.4	108.2
42.5°	463.6	405.6	349.3	294.8	272.8	255.9	237.4	209.4	177.4	149.4	123.4
40°	496.4	431.7	371.2	326.4	304.1	285.6	264.8	236.5	198.7	169.3	139.7
37.5°	528.5	459.3	393.7	361.8	335.0	313.6	291.7	264.6	225.7	191.9	156.3
35°	571.7	488.0	431.8	397.0	366.8	340.7	318.1	291.6	256.2	215.0	173.2
32.5°	613.9	528.7	474.4	431.1	397.4	366.9	342.9	325.1	287.5	238.5	190.4
30°	672.9	586.2	516.2	463.1	426.9	394.0	373.7	363.2	319.6	262.3	208.3
27.5°	751.8	643.1	559.0	498.4	455.2	421.4	415.6	405.6	352.2	287.5	227.9
25°	834.6	709.8	609.9	534.1	481.6	466.3	457.2	451.5	387.0	314.6	247.3
22.5°	929.8	778.3	659.5	568.2	529.4	509.6	498.5	489.3	424.4	341.5	266.5
20°	1022.6	844.1	711.9	630.0	581.9	553.9	538.6	526.8	463.5	368.2	285.3
17.5°	1109.7	923.8	790.0	696.5	636.0	598.0	577.4	563.8	503.9	394.3	303.6
15°	1181.8	1013.4	865.2	759.5	688.8	641.8	615.0	600.4	544.9	419.8	316.4
12.5°	1243.9	1091.9	935.5	819.0	740.3	685.2	651.5	636.5	586.0	435.5	322.2
10°	1295.9	1160.0	1000.8	874.9	790.2	727.8	687.0	661.6	601.4	442.7	327.0
7.5°	1339.0	1218.6	1061.0	927.4	831.1	749.2	692.1	664.5	610.5	448.0	330.8
5°	1368.0	1252.6	1083.6	936.3	830.2	747.3	691.8	666.6	616.6	451.4	333.3
2.5°	1365.2	1256.0	1080.6	936.2	827.1	743.5	690.9	668.0	619.6	452.9	334.5
0°	1357.8	1253.3	1072.3	933.0	821.6	738.1	689.3	668.5	619.7	452.6	334.2
-2.5°	1365.2	1256.0	1080.6	936.2	827.1	743.5	690.9	668.0	619.6	452.9	334.5
-5°	1368.0	1252.6	1083.6	936.3	830.2	747.3	691.8	666.6	616.6	451.4	333.3
-7.5°	1339.0	1218.6	1061.0	927.4	831.1	749.2	692.1	664.5	610.5	448.0	330.8
-10°	1295.9	1160.0	1000.8	874.9	790.2	727.8	687.0	661.6	601.4	442.7	327.0
-12.5°	1243.9	1091.9	935.5	819.0	740.3	685.2	651.5	636.5	586.0	435.5	322.2
-15°	1181.8	1013.4	865.2	759.5	688.8	641.8	615.0	600.4	544.9	419.8	316.4
-17.5°	1109.7	923.8	790.0	696.5	636.0	598.0	577.4	563.8	503.9	394.3	303.6
-20°	1022.6	844.1	711.9	630.0	581.9	553.9	538.6	526.8	463.5	368.2	285.3

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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
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Scaled Data Report



REPORT NUMBER: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	929.8	778.3	659.5	568.2	529.4	509.6	498.5	489.3	424.4	341.5	266.5
-25°	834.6	709.8	609.9	534.1	481.6	466.3	457.2	451.5	387.0	314.6	247.3
-27.5°	751.8	643.1	559.0	498.4	455.2	421.4	415.6	405.6	352.2	287.5	227.9
-30°	672.9	586.2	516.2	463.1	426.9	394.0	373.7	363.2	319.6	262.3	208.3
-32.5°	613.9	528.7	474.4	431.1	397.4	366.9	342.9	325.1	287.5	238.5	190.4
-35°	571.7	488.0	431.8	397.0	366.8	340.7	318.1	291.6	256.2	215.0	173.2
-37.5°	528.5	459.3	393.7	361.8	335.0	313.6	291.7	264.6	225.7	191.9	156.3
-40°	496.4	431.7	371.2	326.4	304.1	285.6	264.8	236.5	198.7	169.3	139.7
-42.5°	463.6	405.6	349.3	294.8	272.8	255.9	237.4	209.4	177.4	149.4	123.4
-45°	433.7	379.0	326.7	276.1	240.7	225.9	209.0	183.9	157.2	131.4	108.2
-47.5°	403.2	353.2	302.9	255.0	210.2	196.3	182.2	162.4	137.6	114.2	94.4
-50°	373.5	325.1	276.8	230.8	188.6	170.0	157.9	141.9	121.6	99.7	81.1
-52.5°	333.6	293.4	247.0	203.5	170.4	145.8	137.4	122.5	105.8	86.6	68.3
-55°	290.0	256.9	213.3	180.2	152.4	128.2	118.1	105.8	90.2	74.3	56.4
-57.5°	246.3	215.3	185.9	159.1	135.4	114.1	100.5	89.4	76.5	62.0	48.1
-60°	206.8	185.8	161.4	139.2	118.6	99.3	83.8	74.1	63.6	50.7	40.5
-62.5°	180.3	159.7	139.2	119.6	101.8	84.4	68.1	61.0	51.0	43.0	33.1
-65°	154.8	135.8	116.9	101.2	85.3	69.7	56.0	48.3	42.4	35.4	26.2
-67.5°	129.0	111.3	97.3	83.2	69.2	56.3	44.3	39.6	35.1	28.1	20.4
-70°	97.1	84.8	76.4	65.3	53.4	43.1	36.9	33.0	28.1	21.4	14.6
-72.5°	69.8	63.5	56.2	47.1	39.8	34.0	30.0	26.2	20.4	14.6	8.6
-75°	49.6	44.0	38.3	32.5	27.8	24.5	21.7	17.7	12.7	7.7	7.0
-77.5°	31.0	26.4	21.7	19.2	17.8	15.6	12.8	9.1	7.0	7.0	7.0
-80°	16.7	14.8	12.9	11.1	9.3	7.0	7.0	7.0	7.0	7.0	7.0
-82.5°	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.3
-85°	7.0	7.0	7.0	7.0	7.0	7.0	6.5	5.9	5.4	4.8	4.2
-87.5°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P624769 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.0	6.0	4.8	3.6	2.4	1.2	0.0
77.5°	7.0	7.0	6.0	4.5	3.0	1.5	0.0
75°	7.0	7.0	7.0	5.4	3.6	1.8	0.0
72.5°	7.0	7.0	7.0	6.3	4.2	2.1	0.0
70°	7.7	7.0	7.0	7.0	4.8	2.4	0.0
67.5°	12.9	7.0	7.0	7.0	5.4	2.7	0.0
65°	18.2	9.3	7.0	7.0	5.9	3.0	0.0
62.5°	23.4	13.9	7.0	7.0	6.5	3.2	0.0
60°	28.7	18.5	7.0	7.0	7.0	3.5	0.0
57.5°	35.9	23.1	10.6	7.0	7.0	3.8	0.0
55°	43.5	27.6	14.3	7.0	7.0	4.0	0.0
52.5°	51.3	32.5	18.0	7.0	7.0	4.3	0.0
50°	59.3	39.4	21.6	7.0	7.0	4.5	0.0
47.5°	67.9	46.3	25.2	7.6	7.0	4.7	0.0
45°	80.0	53.3	28.6	10.3	7.0	4.9	0.0
42.5°	92.2	60.2	32.0	12.8	7.0	5.2	0.0
40°	104.7	67.2	36.4	15.2	7.0	5.4	0.0
37.5°	117.3	74.2	41.8	17.5	7.0	5.6	0.0
35°	130.1	83.2	47.1	19.7	7.0	5.7	0.0
32.5°	143.3	93.2	52.2	21.7	7.0	5.9	0.0
30°	157.1	103.0	57.2	23.6	7.0	6.1	0.0
27.5°	170.9	112.7	60.8	25.3	7.0	6.2	0.0
25°	184.4	122.1	63.9	26.9	7.0	6.3	0.0
22.5°	197.8	129.6	66.4	28.4	7.0	6.5	0.0
20°	210.8	132.3	68.4	29.7	7.0	6.6	0.0
17.5°	217.5	133.8	70.0	30.9	7.0	6.7	0.0
15°	219.9	134.2	71.1	31.9	7.0	6.8	0.0
12.5°	221.5	133.6	71.8	32.8	7.0	6.8	0.0
10°	222.3	132.1	72.1	33.5	7.0	6.9	0.0
7.5°	222.2	129.7	72.0	34.1	7.0	6.9	0.0
5°	221.1	126.6	71.5	34.5	7.0	7.0	0.0
2.5°	219.1	122.8	70.7	34.7	7.0	7.0	0.0
0°	215.9	118.4	69.6	34.8	7.0	7.0	0.0
-2.5°	219.1	122.8	70.7	34.7	7.0	7.0	0.0
-5°	221.1	126.6	71.5	34.5	7.0	7.0	0.0
-7.5°	222.2	129.7	72.0	34.1	7.0	6.9	0.0
-10°	222.3	132.1	72.1	33.5	7.0	6.9	0.0
-12.5°	221.5	133.6	71.8	32.8	7.0	6.8	0.0
-15°	219.9	134.2	71.1	31.9	7.0	6.8	0.0
-17.5°	217.5	133.8	70.0	30.9	7.0	6.7	0.0
-20°	210.8	132.3	68.4	29.7	7.0	6.6	0.0

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CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-11

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	197.8	129.6	66.4	28.4	7.0	6.5	0.0
-25°	184.4	122.1	63.9	26.9	7.0	6.3	0.0
-27.5°	170.9	112.7	60.8	25.3	7.0	6.2	0.0
-30°	157.1	103.0	57.2	23.6	7.0	6.1	0.0
-32.5°	143.3	93.2	52.2	21.7	7.0	5.9	0.0
-35°	130.1	83.2	47.1	19.7	7.0	5.7	0.0
-37.5°	117.3	74.2	41.8	17.5	7.0	5.6	0.0
-40°	104.7	67.2	36.4	15.2	7.0	5.4	0.0
-42.5°	92.2	60.2	32.0	12.8	7.0	5.2	0.0
-45°	80.0	53.3	28.6	10.3	7.0	4.9	0.0
-47.5°	67.9	46.3	25.2	7.6	7.0	4.7	0.0
-50°	59.3	39.4	21.6	7.0	7.0	4.5	0.0
-52.5°	51.3	32.5	18.0	7.0	7.0	4.3	0.0
-55°	43.5	27.6	14.3	7.0	7.0	4.0	0.0
-57.5°	35.9	23.1	10.6	7.0	7.0	3.8	0.0
-60°	28.7	18.5	7.0	7.0	7.0	3.5	0.0
-62.5°	23.4	13.9	7.0	7.0	6.5	3.2	0.0
-65°	18.2	9.3	7.0	7.0	5.9	3.0	0.0
-67.5°	12.9	7.0	7.0	7.0	5.4	2.7	0.0
-70°	7.7	7.0	7.0	7.0	4.8	2.4	0.0
-72.5°	7.0	7.0	7.0	6.3	4.2	2.1	0.0
-75°	7.0	7.0	7.0	5.4	3.6	1.8	0.0
-77.5°	7.0	7.0	6.0	4.5	3.0	1.5	0.0
-80°	7.0	6.0	4.8	3.6	2.4	1.2	0.0
-82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)