

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: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-3000K-33**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624764 (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-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: 30559.5 lumens  
Efficiency: N/A  
Efficacy: 124.6 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: 8911 lumens  
Beam Efficiency: 29.2%

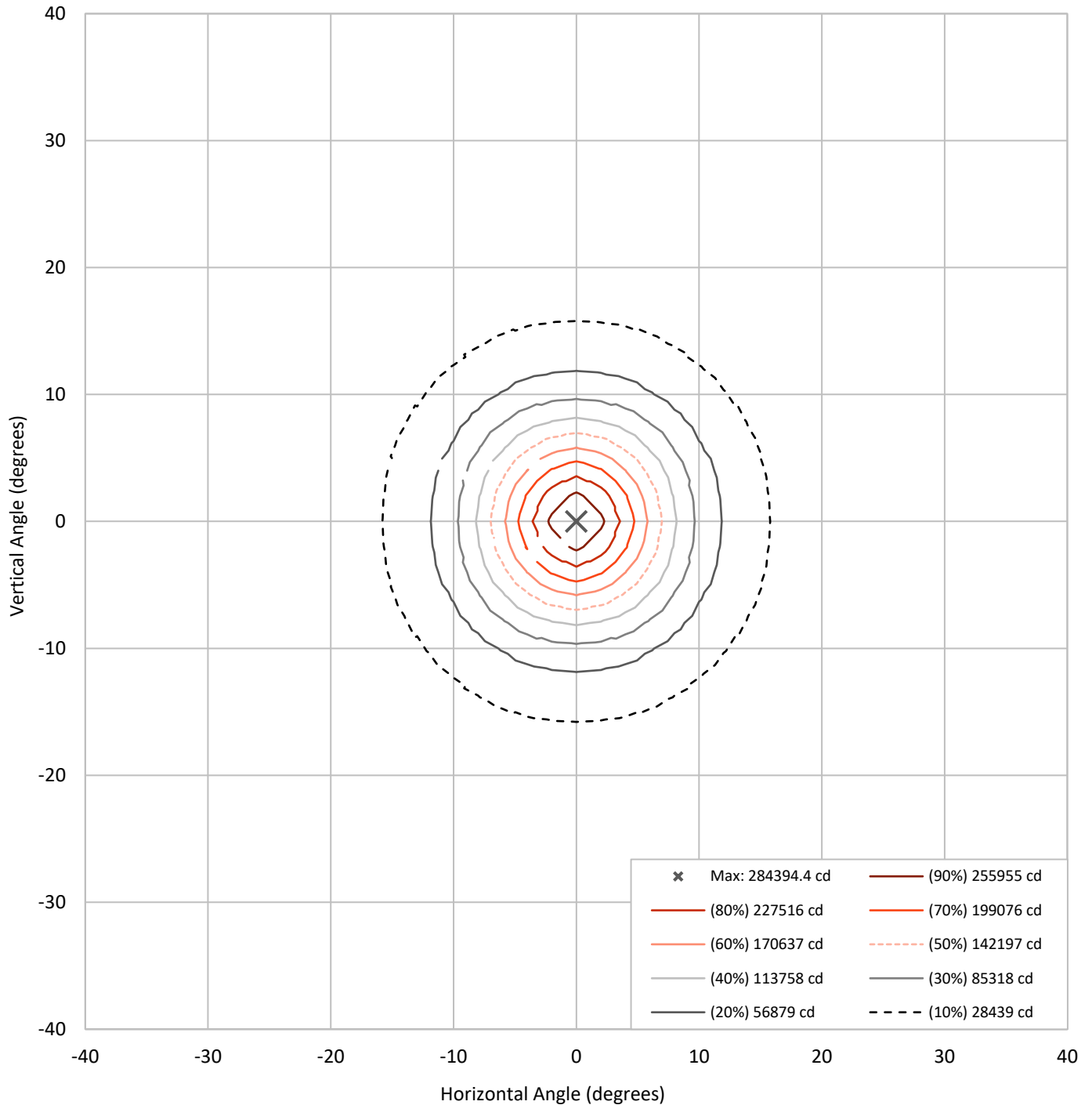
Field Angle (10%): 31.4°H x 31.4°V  
Field Lumens: 20748.7 lumens  
Field Efficiency: 67.9%

Input Watts (W): 245.3  
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-3000K-33

### Iso-Candela Plot





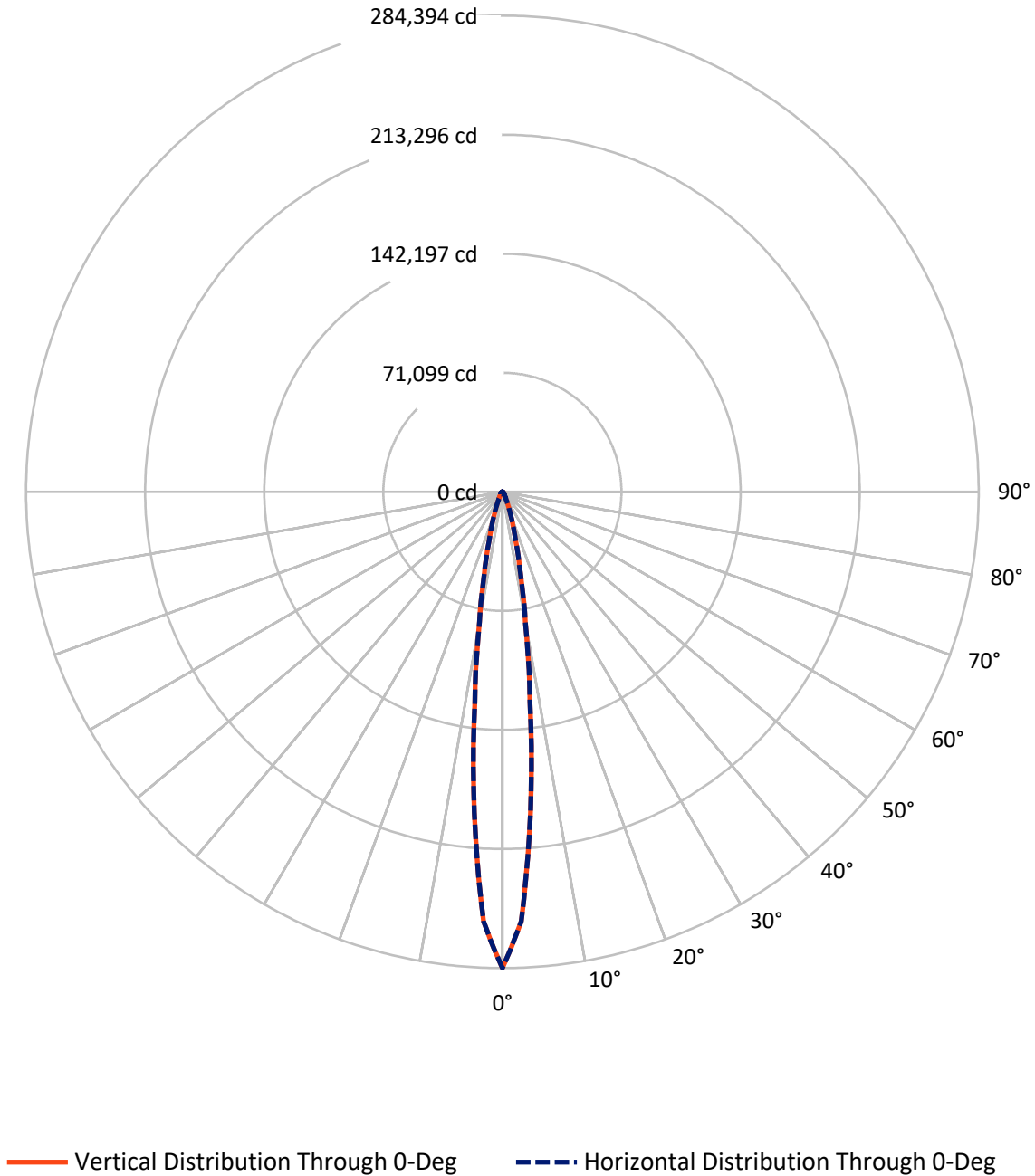
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### Lumen Table

90	0.5	3.9		10.5		17.1		19.8		17.1		10.5		3.9		0.5			
80	0.5	3.9		10.5		17.1		19.8		17.1		10.5		3.9		0.5			
70	1.8	2.0	4.2	7.0	10.0	12.6	14.5	15.6	15.6	14.5	12.6	10.0	7.0	4.2	2.0	1.8			
60		3.1	6.5	10.6	14.6	18.2	20.9	22.4	22.4	20.9	18.2	14.6	10.6	6.5	3.1				
50	3.3	4.3	8.6	13.6	18.8	24.1	29.2	32.3	32.3	29.2	24.1	18.8	13.6	8.6	4.3	3.3			
40		5.2	10.3	16.2	23.8	34.1	46.6	57.1	57.1	46.6	34.1	23.8	16.2	10.3	5.2				
30	4.4	5.9	11.6	18.9	30.8	54.4	111.2	190.2	190.2	111.2	54.4	30.8	18.9	11.6	5.9	4.4			
20		6.4	12.5	21.4	39.7	104.8	376.6	935.6	935.6	376.6	104.8	39.7	21.4	12.5	6.4				
10	4.8	6.7	13.0	23.1	47.3	174.5	911.7	4003.5	4003.5	911.7	174.5	47.3	23.1	13.0	6.7	4.8			
0		6.7	13.0	23.1	47.3	174.5	911.7	4003.5	4003.5	911.7	174.5	47.3	23.1	13.0	6.7				
-10	4.4	6.4	12.5	21.4	39.7	104.8	376.6	935.6	935.6	376.6	104.8	39.7	21.4	12.5	6.4	4.4			
-20		5.9	11.6	18.9	30.8	54.4	111.2	190.2	190.2	111.2	54.4	30.8	18.9	11.6	5.9				
-30	3.3	5.2	10.3	16.2	23.8	34.1	46.6	57.1	57.1	46.6	34.1	23.8	16.2	10.3	5.2	3.3			
-40		4.3	8.6	13.6	18.8	24.1	29.2	32.3	32.3	29.2	24.1	18.8	13.6	8.6	4.3				
-50	1.8	3.1	6.5	10.6	14.6	18.2	20.9	22.4	22.4	20.9	18.2	14.6	10.6	6.5	3.1	1.8			
-60		2.0	4.2	7.0	10.0	12.6	14.5	15.6	15.6	14.5	12.6	10.0	7.0	4.2	2.0				
-70	0.5	3.9		10.5		17.1		19.8		17.1		10.5		3.9		0.5			
-80		3.9		10.5		17.1		19.8		17.1		10.5		3.9					
-90	0.5	3.9		10.5		17.1		19.8		17.1		10.5		3.9		0.5			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

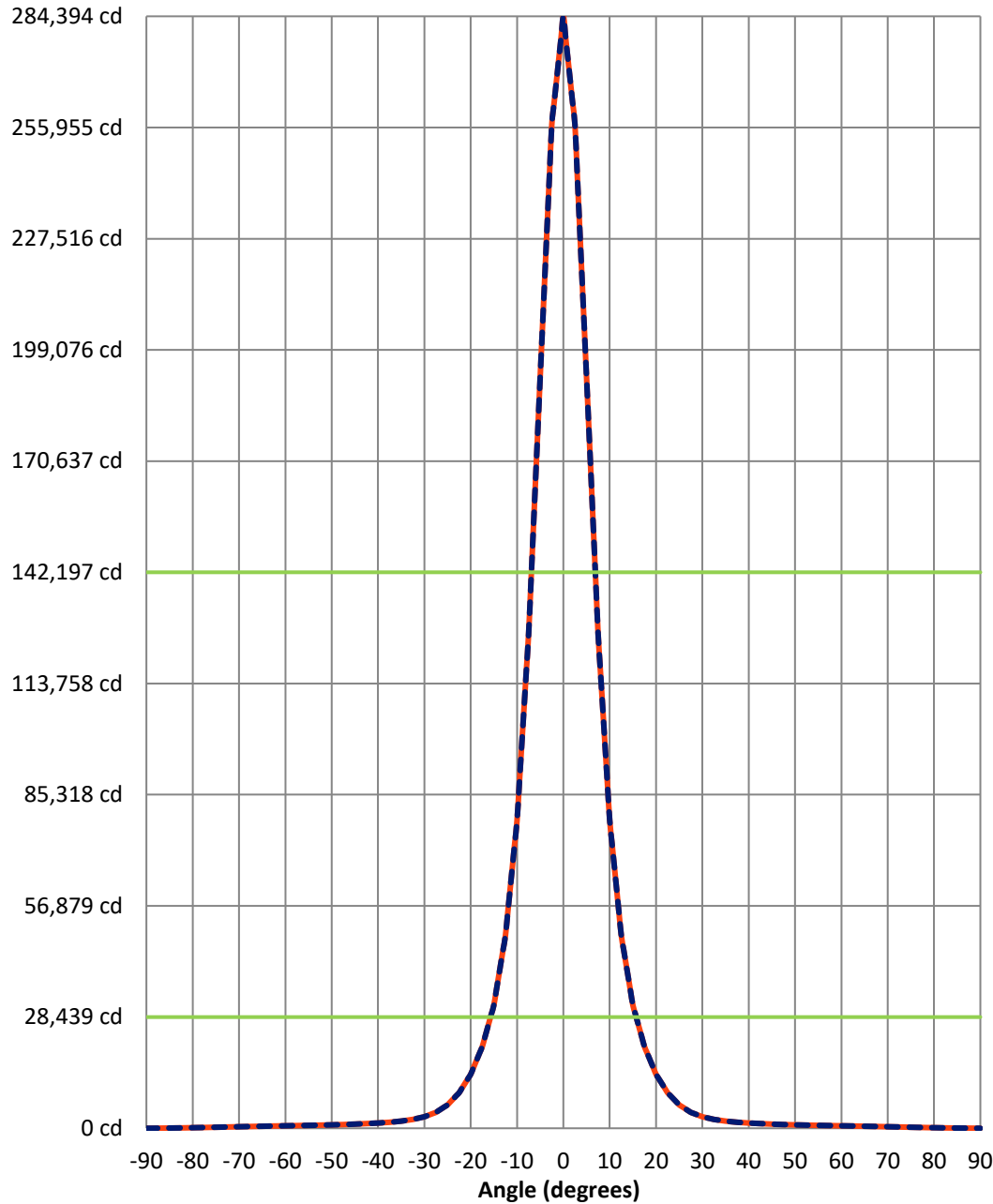
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13.8°  
 V Angle: 13.8°  
 Lumens: 8911  
 Efficiency: 29.2%

**Field:**  
 H Angle: 31.4°  
 V Angle: 31.4°  
 Lumens: 20748.7  
 Efficiency: 67.9%

**Spill:**  
 Lumens: 9810.8  
 Efficiency: 32.1%

— 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	1.1	2.2	3.3	4.4	5.5	6.6	7.6	8.7	9.7	10.7
85°	0.0	2.2	4.4	6.6	8.8	11.0	13.1	15.3	17.4	19.4	21.4
82.5°	0.0	3.3	6.6	9.9	13.2	16.4	19.7	22.9	26.1	30.0	33.8
80°	0.0	4.4	8.8	13.2	17.6	21.9	26.4	31.7	36.9	42.1	47.1
77.5°	0.0	5.5	11.0	16.4	21.9	27.8	34.4	41.1	47.6	54.0	61.0
75°	0.0	6.6	13.1	19.7	26.4	34.4	42.5	50.4	58.4	67.7	76.8
72.5°	0.0	7.6	15.3	22.9	31.7	41.1	50.4	60.1	71.0	81.8	92.4
70°	0.0	8.7	17.4	26.1	36.9	47.6	58.4	71.0	83.4	95.8	111.9
67.5°	0.0	9.7	19.4	30.0	42.1	54.0	67.7	81.8	95.8	114.2	132.2
65°	0.0	10.7	21.4	33.8	47.1	61.0	76.8	92.4	111.9	132.2	152.5
62.5°	0.0	11.7	23.4	37.6	52.1	68.4	85.7	105.2	127.7	150.1	173.4
60°	0.0	12.7	25.4	41.2	57.0	75.7	94.4	118.8	143.2	168.6	193.8
57.5°	0.0	13.6	27.7	44.8	62.6	82.8	105.5	132.0	159.0	186.6	216.2
55°	0.0	14.6	30.0	48.2	68.1	89.8	116.5	144.9	174.7	204.9	239.2
52.5°	0.0	15.5	32.3	51.6	73.5	96.9	127.3	158.1	189.9	225.0	261.6
50°	0.0	16.3	34.5	54.8	78.7	105.5	137.7	171.0	205.4	244.6	284.3
47.5°	0.0	17.2	36.5	58.1	83.7	113.9	147.8	183.5	222.2	263.5	306.4
45°	0.0	18.0	38.5	61.7	88.6	121.9	158.1	195.5	238.3	282.6	327.7
42.5°	0.0	18.7	40.5	65.2	93.2	129.7	167.9	208.2	253.9	301.0	347.4
40°	0.0	19.5	42.3	68.5	98.3	137.0	177.3	221.1	268.9	318.6	366.0
37.5°	0.0	20.1	44.0	71.6	103.9	144.0	186.2	233.4	283.8	335.1	383.9
35°	0.0	20.8	45.7	74.6	109.2	150.9	194.7	245.1	297.8	350.3	400.8
32.5°	0.0	21.4	47.2	77.4	114.2	157.5	203.1	256.0	311.1	364.5	416.7
30°	0.0	22.0	48.7	80.0	118.8	163.7	211.8	266.4	323.5	377.9	431.7
27.5°	0.0	22.5	50.0	82.4	123.1	169.4	219.9	276.5	334.8	390.3	445.6
25°	0.0	23.0	51.2	84.6	127.1	174.7	227.4	285.7	344.9	401.8	458.4
22.5°	0.0	23.5	52.3	86.6	130.7	179.5	234.2	294.1	354.1	412.2	469.6
20°	0.0	23.9	53.4	88.5	133.9	183.8	240.4	301.7	362.4	421.7	479.6
17.5°	0.0	24.2	54.2	90.1	136.8	187.6	245.9	308.4	369.8	430.1	488.6
15°	0.0	24.5	55.0	91.5	139.3	191.0	250.6	314.3	376.3	437.4	496.4
12.5°	0.0	24.8	55.7	92.7	141.4	193.8	254.6	319.3	381.7	443.6	503.0
10°	0.0	25.0	56.2	93.6	143.2	196.1	258.0	323.4	386.2	448.7	508.5
7.5°	0.0	25.2	56.7	94.4	144.5	198.0	260.6	326.6	389.8	452.7	512.8
5°	0.0	25.3	57.0	95.0	145.5	199.3	262.4	328.9	392.3	455.6	515.8
2.5°	0.0	25.4	57.1	95.3	146.1	200.0	263.5	330.2	393.8	457.3	517.7
0°	0.0	25.4	57.2	95.4	146.3	200.3	263.9	330.7	394.3	457.9	518.3
-2.5°	0.0	25.4	57.1	95.3	146.1	200.0	263.5	330.2	393.8	457.3	517.7
-5°	0.0	25.3	57.0	95.0	145.5	199.3	262.4	328.9	392.3	455.6	515.8
-7.5°	0.0	25.2	56.7	94.4	144.5	198.0	260.6	326.6	389.8	452.7	512.8
-10°	0.0	25.0	56.2	93.6	143.2	196.1	258.0	323.4	386.2	448.7	508.5
-12.5°	0.0	24.8	55.7	92.7	141.4	193.8	254.6	319.3	381.7	443.6	503.0
-15°	0.0	24.5	55.0	91.5	139.3	191.0	250.6	314.3	376.3	437.4	496.4
-17.5°	0.0	24.2	54.2	90.1	136.8	187.6	245.9	308.4	369.8	430.1	488.6
-20°	0.0	23.9	53.4	88.5	133.9	183.8	240.4	301.7	362.4	421.7	479.6

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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	23.5	52.3	86.6	130.7	179.5	234.2	294.1	354.1	412.2	469.6
-25°	0.0	23.0	51.2	84.6	127.1	174.7	227.4	285.7	344.9	401.8	458.4
-27.5°	0.0	22.5	50.0	82.4	123.1	169.4	219.9	276.5	334.8	390.3	445.6
-30°	0.0	22.0	48.7	80.0	118.8	163.7	211.8	266.4	323.5	377.9	431.7
-32.5°	0.0	21.4	47.2	77.4	114.2	157.5	203.1	256.0	311.1	364.5	416.7
-35°	0.0	20.8	45.7	74.6	109.2	150.9	194.7	245.1	297.8	350.3	400.8
-37.5°	0.0	20.1	44.0	71.6	103.9	144.0	186.2	233.4	283.8	335.1	383.9
-40°	0.0	19.5	42.3	68.5	98.3	137.0	177.3	221.1	268.9	318.6	366.0
-42.5°	0.0	18.7	40.5	65.2	93.2	129.7	167.9	208.2	253.9	301.0	347.4
-45°	0.0	18.0	38.5	61.7	88.6	121.9	158.1	195.5	238.3	282.6	327.7
-47.5°	0.0	17.2	36.5	58.1	83.7	113.9	147.8	183.5	222.2	263.5	306.4
-50°	0.0	16.3	34.5	54.8	78.7	105.5	137.7	171.0	205.4	244.6	284.3
-52.5°	0.0	15.5	32.3	51.6	73.5	96.9	127.3	158.1	189.9	225.0	261.6
-55°	0.0	14.6	30.0	48.2	68.1	89.8	116.5	144.9	174.7	204.9	239.2
-57.5°	0.0	13.6	27.7	44.8	62.6	82.8	105.5	132.0	159.0	186.6	216.2
-60°	0.0	12.7	25.4	41.2	57.0	75.7	94.4	118.8	143.2	168.6	193.8
-62.5°	0.0	11.7	23.4	37.6	52.1	68.4	85.7	105.2	127.7	150.1	173.4
-65°	0.0	10.7	21.4	33.8	47.1	61.0	76.8	92.4	111.9	132.2	152.5
-67.5°	0.0	9.7	19.4	30.0	42.1	54.0	67.7	81.8	95.8	114.2	132.2
-70°	0.0	8.7	17.4	26.1	36.9	47.6	58.4	71.0	83.4	95.8	111.9
-72.5°	0.0	7.6	15.3	22.9	31.7	41.1	50.4	60.1	71.0	81.8	92.4
-75°	0.0	6.6	13.1	19.7	26.4	34.4	42.5	50.4	58.4	67.7	76.8
-77.5°	0.0	5.5	11.0	16.4	21.9	27.8	34.4	41.1	47.6	54.0	61.0
-80°	0.0	4.4	8.8	13.2	17.6	21.9	26.4	31.7	36.9	42.1	47.1
-82.5°	0.0	3.3	6.6	9.9	13.2	16.4	19.7	22.9	26.1	30.0	33.8
-85°	0.0	2.2	4.4	6.6	8.8	11.0	13.1	15.3	17.4	19.4	21.4
-87.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.6	8.7	9.7	10.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-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°	11.7	12.7	13.6	14.6	15.5	16.3	17.2	18.0	18.7	19.5	20.1
85°	23.4	25.4	27.7	30.0	32.3	34.5	36.5	38.5	40.5	42.3	44.0
82.5°	37.6	41.2	44.8	48.2	51.6	54.8	58.1	61.7	65.2	68.5	71.6
80°	52.1	57.0	62.6	68.1	73.5	78.7	83.7	88.6	93.2	98.3	103.9
77.5°	68.4	75.7	82.8	89.8	96.9	105.5	113.9	121.9	129.7	137.0	144.0
75°	85.7	94.4	105.5	116.5	127.3	137.7	147.8	158.1	167.9	177.3	186.2
72.5°	105.2	118.8	132.0	144.9	158.1	171.0	183.5	195.5	208.2	221.1	233.4
70°	127.7	143.2	159.0	174.7	189.9	205.4	222.2	238.3	253.9	268.9	283.8
67.5°	150.1	168.6	186.6	204.9	225.0	244.6	263.5	282.6	301.0	318.6	335.1
65°	173.4	193.8	216.2	239.2	261.6	284.3	306.4	327.7	347.4	366.0	383.9
62.5°	196.2	221.9	247.7	273.5	299.3	324.4	347.9	370.3	391.8	412.5	432.2
60°	221.9	250.6	279.5	308.4	336.3	362.4	387.8	412.2	435.8	458.4	478.9
57.5°	247.7	279.5	311.5	342.1	371.2	399.5	427.0	453.6	478.1	501.5	523.9
55°	273.5	308.4	342.1	374.1	405.4	435.9	465.1	492.4	518.7	544.0	568.3
52.5°	299.3	336.3	371.2	405.4	438.9	470.8	501.0	530.3	558.6	584.7	606.8
50°	324.4	362.4	399.5	435.9	470.8	503.9	536.1	567.4	594.8	619.4	643.9
47.5°	347.9	387.8	427.0	465.1	501.0	536.1	570.4	599.8	627.0	654.8	681.7
45°	370.3	412.2	453.6	492.4	530.3	567.4	599.8	629.6	660.3	690.8	722.8
42.5°	391.8	435.8	478.1	518.7	558.6	594.8	627.0	660.3	693.9	729.2	762.3
40°	412.5	458.4	501.5	544.0	584.7	619.4	654.8	690.8	729.2	765.4	799.6
37.5°	432.2	478.9	523.9	568.3	606.8	643.9	681.7	722.8	762.3	799.6	843.4
35°	450.9	498.4	545.2	589.4	627.8	667.9	710.2	753.1	793.3	839.5	888.1
32.5°	468.0	516.9	565.3	607.8	648.9	691.5	737.6	780.9	827.8	879.0	934.7
30°	483.8	534.2	583.4	625.2	668.8	715.6	762.5	808.6	862.3	920.8	990.7
27.5°	498.4	550.4	598.3	642.2	688.0	738.2	785.6	838.9	898.0	964.2	1049.8
25°	512.0	565.3	612.1	658.1	707.4	758.5	808.4	867.2	932.5	1016.1	1115.2
22.5°	524.4	579.0	624.8	672.8	725.2	776.8	832.6	896.3	970.0	1064.8	1178.8
20°	535.6	589.4	636.6	686.4	741.4	793.5	854.7	923.4	1010.9	1119.0	1238.9
17.5°	545.6	598.7	647.4	699.6	755.3	810.0	874.9	947.7	1047.8	1167.9	1294.2
15°	554.3	606.8	656.9	711.2	767.3	825.9	894.6	976.5	1084.4	1211.7	1343.7
12.5°	561.7	613.7	665.0	721.2	777.6	839.6	911.5	1002.2	1118.8	1250.7	1402.0
10°	567.8	619.4	671.7	729.3	786.1	850.9	925.5	1023.5	1147.2	1283.0	1450.6
7.5°	572.5	623.8	676.9	735.7	792.7	859.7	936.5	1040.3	1169.6	1308.6	1488.9
5°	576.0	627.0	680.6	740.3	797.5	866.1	944.4	1052.3	1185.7	1327.0	1516.6
2.5°	578.0	629.0	682.8	743.1	800.3	869.9	949.1	1059.6	1195.4	1338.1	1533.3
0°	578.7	629.6	683.6	744.0	801.3	871.2	950.7	1062.0	1198.7	1341.8	1538.9
-2.5°	578.0	629.0	682.8	743.1	800.3	869.9	949.1	1059.6	1195.4	1338.1	1533.3
-5°	576.0	627.0	680.6	740.3	797.5	866.1	944.4	1052.3	1185.7	1327.0	1516.6
-7.5°	572.5	623.8	676.9	735.7	792.7	859.7	936.5	1040.3	1169.6	1308.6	1488.9
-10°	567.8	619.4	671.7	729.3	786.1	850.9	925.5	1023.5	1147.2	1283.0	1450.6
-12.5°	561.7	613.7	665.0	721.2	777.6	839.6	911.5	1002.2	1118.8	1250.7	1402.0
-15°	554.3	606.8	656.9	711.2	767.3	825.9	894.6	976.5	1084.4	1211.7	1343.7
-17.5°	545.6	598.7	647.4	699.6	755.3	810.0	874.9	947.7	1047.8	1167.9	1294.2
-20°	535.6	589.4	636.6	686.4	741.4	793.5	854.7	923.4	1010.9	1119.0	1238.9

Classified

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

Scaled Data Report



REPORT NUMBER: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	524.4	579.0	624.8	672.8	725.2	776.8	832.6	896.3	970.0	1064.8	1178.8
-25°	512.0	565.3	612.1	658.1	707.4	758.5	808.4	867.2	932.5	1016.1	1115.2
-27.5°	498.4	550.4	598.3	642.2	688.0	738.2	785.6	838.9	898.0	964.2	1049.8
-30°	483.8	534.2	583.4	625.2	668.8	715.6	762.5	808.6	862.3	920.8	990.7
-32.5°	468.0	516.9	565.3	607.8	648.9	691.5	737.6	780.9	827.8	879.0	934.7
-35°	450.9	498.4	545.2	589.4	627.8	667.9	710.2	753.1	793.3	839.5	888.1
-37.5°	432.2	478.9	523.9	568.3	606.8	643.9	681.7	722.8	762.3	799.6	843.4
-40°	412.5	458.4	501.5	544.0	584.7	619.4	654.8	690.8	729.2	765.4	799.6
-42.5°	391.8	435.8	478.1	518.7	558.6	594.8	627.0	660.3	693.9	729.2	762.3
-45°	370.3	412.2	453.6	492.4	530.3	567.4	599.8	629.6	660.3	690.8	722.8
-47.5°	347.9	387.8	427.0	465.1	501.0	536.1	570.4	599.8	627.0	654.8	681.7
-50°	324.4	362.4	399.5	435.9	470.8	503.9	536.1	567.4	594.8	619.4	643.9
-52.5°	299.3	336.3	371.2	405.4	438.9	470.8	501.0	530.3	558.6	584.7	606.8
-55°	273.5	308.4	342.1	374.1	405.4	435.9	465.1	492.4	518.7	544.0	568.3
-57.5°	247.7	279.5	311.5	342.1	371.2	399.5	427.0	453.6	478.1	501.5	523.9
-60°	221.9	250.6	279.5	308.4	336.3	362.4	387.8	412.2	435.8	458.4	478.9
-62.5°	196.2	221.9	247.7	273.5	299.3	324.4	347.9	370.3	391.8	412.5	432.2
-65°	173.4	193.8	216.2	239.2	261.6	284.3	306.4	327.7	347.4	366.0	383.9
-67.5°	150.1	168.6	186.6	204.9	225.0	244.6	263.5	282.6	301.0	318.6	335.1
-70°	127.7	143.2	159.0	174.7	189.9	205.4	222.2	238.3	253.9	268.9	283.8
-72.5°	105.2	118.8	132.0	144.9	158.1	171.0	183.5	195.5	208.2	221.1	233.4
-75°	85.7	94.4	105.5	116.5	127.3	137.7	147.8	158.1	167.9	177.3	186.2
-77.5°	68.4	75.7	82.8	89.8	96.9	105.5	113.9	121.9	129.7	137.0	144.0
-80°	52.1	57.0	62.6	68.1	73.5	78.7	83.7	88.6	93.2	98.3	103.9
-82.5°	37.6	41.2	44.8	48.2	51.6	54.8	58.1	61.7	65.2	68.5	71.6
-85°	23.4	25.4	27.7	30.0	32.3	34.5	36.5	38.5	40.5	42.3	44.0
-87.5°	11.7	12.7	13.6	14.6	15.5	16.3	17.2	18.0	18.7	19.5	20.1
-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: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	20.8	21.4	22.0	22.5	23.0	23.5	23.9	24.2	24.5	24.8	25.0
85°	45.7	47.2	48.7	50.0	51.2	52.3	53.4	54.2	55.0	55.7	56.2
82.5°	74.6	77.4	80.0	82.4	84.6	86.6	88.5	90.1	91.5	92.7	93.6
80°	109.2	114.2	118.8	123.1	127.1	130.7	133.9	136.8	139.3	141.4	143.2
77.5°	150.9	157.5	163.7	169.4	174.7	179.5	183.8	187.6	191.0	193.8	196.1
75°	194.7	203.1	211.8	219.9	227.4	234.2	240.4	245.9	250.6	254.6	258.0
72.5°	245.1	256.0	266.4	276.5	285.7	294.1	301.7	308.4	314.3	319.3	323.4
70°	297.8	311.1	323.5	334.8	344.9	354.1	362.4	369.8	376.3	381.7	386.2
67.5°	350.3	364.5	377.9	390.3	401.8	412.2	421.7	430.1	437.4	443.6	448.7
65°	400.8	416.7	431.7	445.6	458.4	469.6	479.6	488.6	496.4	503.0	508.5
62.5°	450.9	468.0	483.8	498.4	512.0	524.4	535.6	545.6	554.3	561.7	567.8
60°	498.4	516.9	534.2	550.4	565.3	579.0	589.4	598.7	606.8	613.7	619.4
57.5°	545.2	565.3	583.4	598.3	612.1	624.8	636.6	647.4	656.9	665.0	671.7
55°	589.4	607.8	625.2	642.2	658.1	672.8	686.4	699.6	711.2	721.2	729.3
52.5°	627.8	648.9	668.8	688.0	707.4	725.2	741.4	755.3	767.3	777.6	786.1
50°	667.9	691.5	715.6	738.2	758.5	776.8	793.5	810.0	825.9	839.6	850.9
47.5°	710.2	737.6	762.5	785.6	808.4	832.6	854.7	874.9	894.6	911.5	925.5
45°	753.1	780.9	808.6	838.9	867.2	896.3	923.4	947.7	976.5	1002.2	1023.5
42.5°	793.3	827.8	862.3	898.0	932.5	970.0	1010.9	1047.8	1084.4	1118.8	1147.2
40°	839.5	879.0	920.8	964.2	1016.1	1064.8	1119.0	1167.9	1211.7	1250.7	1283.0
37.5°	888.1	934.7	990.7	1049.8	1115.2	1178.8	1238.9	1294.2	1343.7	1402.0	1450.6
35°	939.4	1004.1	1072.2	1149.6	1223.7	1295.0	1367.9	1450.1	1523.3	1609.7	1688.1
32.5°	1004.1	1080.7	1167.0	1251.7	1333.3	1435.4	1532.8	1661.5	1779.1	1905.2	2031.8
30°	1072.2	1167.0	1261.1	1356.8	1476.6	1613.8	1769.2	1949.8	2138.3	2325.2	2542.9
27.5°	1149.6	1251.7	1356.8	1490.5	1656.4	1837.3	2084.3	2338.6	2660.6	2943.0	3339.1
25°	1223.7	1333.3	1476.6	1656.4	1870.2	2152.9	2506.6	2892.5	3440.3	3953.9	4605.8
22.5°	1295.0	1435.4	1613.8	1837.3	2152.9	2563.4	3055.6	3749.2	4592.3	5541.0	6583.9
20°	1367.9	1532.8	1769.2	2084.3	2506.6	3055.6	3853.9	4963.8	6214.4	7907.9	9520.6
17.5°	1450.1	1661.5	1949.8	2338.6	2892.5	3749.2	4963.8	6538.1	8594.4	11176.3	13655.9
15°	1523.3	1779.1	2138.3	2660.6	3440.3	4592.3	6214.4	8594.4	11744.2	15409.9	19577.4
12.5°	1609.7	1905.2	2325.2	2943.0	3953.9	5541.0	7907.9	11176.3	15409.9	20589.6	27435.8
10°	1688.1	2031.8	2542.9	3339.1	4605.8	6583.9	9520.6	13655.9	19577.4	27435.8	37868.2
7.5°	1750.2	2132.2	2716.1	3656.4	5197.0	7651.4	11337.7	16658.3	24151.8	34729.9	49578.9
5°	1795.1	2205.0	2842.1	3887.9	5630.3	8438.5	12687.8	18967.9	28134.6	42555.0	64974.7
2.5°	1822.3	2249.1	2918.6	4028.9	5895.0	8921.3	13520.8	20404.8	30642.2	47573.3	75146.9
0°	1831.4	2263.9	2944.3	4076.2	5984.0	9084.1	13802.6	20893.0	31500.1	49308.9	78732.8
-2.5°	1822.3	2249.1	2918.6	4028.9	5895.0	8921.3	13520.8	20404.8	30642.2	47573.3	75146.9
-5°	1795.1	2205.0	2842.1	3887.9	5630.3	8438.5	12687.8	18967.9	28134.6	42555.0	64974.7
-7.5°	1750.2	2132.2	2716.1	3656.4	5197.0	7651.4	11337.7	16658.3	24151.8	34729.9	49578.9
-10°	1688.1	2031.8	2542.9	3339.1	4605.8	6583.9	9520.6	13655.9	19577.4	27435.8	37868.2
-12.5°	1609.7	1905.2	2325.2	2943.0	3953.9	5541.0	7907.9	11176.3	15409.9	20589.6	27435.8
-15°	1523.3	1779.1	2138.3	2660.6	3440.3	4592.3	6214.4	8594.4	11744.2	15409.9	19577.4
-17.5°	1450.1	1661.5	1949.8	2338.6	2892.5	3749.2	4963.8	6538.1	8594.4	11176.3	13655.9
-20°	1367.9	1532.8	1769.2	2084.3	2506.6	3055.6	3853.9	4963.8	6214.4	7907.9	9520.6

Classified

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

Scaled Data Report



REPORT NUMBER: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	1295.0	1435.4	1613.8	1837.3	2152.9	2563.4	3055.6	3749.2	4592.3	5541.0	6583.9
-25°	1223.7	1333.3	1476.6	1656.4	1870.2	2152.9	2506.6	2892.5	3440.3	3953.9	4605.8
-27.5°	1149.6	1251.7	1356.8	1490.5	1656.4	1837.3	2084.3	2338.6	2660.6	2943.0	3339.1
-30°	1072.2	1167.0	1261.1	1356.8	1476.6	1613.8	1769.2	1949.8	2138.3	2325.2	2542.9
-32.5°	1004.1	1080.7	1167.0	1251.7	1333.3	1435.4	1532.8	1661.5	1779.1	1905.2	2031.8
-35°	939.4	1004.1	1072.2	1149.6	1223.7	1295.0	1367.9	1450.1	1523.3	1609.7	1688.1
-37.5°	888.1	934.7	990.7	1049.8	1115.2	1178.8	1238.9	1294.2	1343.7	1402.0	1450.6
-40°	839.5	879.0	920.8	964.2	1016.1	1064.8	1119.0	1167.9	1211.7	1250.7	1283.0
-42.5°	793.3	827.8	862.3	898.0	932.5	970.0	1010.9	1047.8	1084.4	1118.8	1147.2
-45°	753.1	780.9	808.6	838.9	867.2	896.3	923.4	947.7	976.5	1002.2	1023.5
-47.5°	710.2	737.6	762.5	785.6	808.4	832.6	854.7	874.9	894.6	911.5	925.5
-50°	667.9	691.5	715.6	738.2	758.5	776.8	793.5	810.0	825.9	839.6	850.9
-52.5°	627.8	648.9	668.8	688.0	707.4	725.2	741.4	755.3	767.3	777.6	786.1
-55°	589.4	607.8	625.2	642.2	658.1	672.8	686.4	699.6	711.2	721.2	729.3
-57.5°	545.2	565.3	583.4	598.3	612.1	624.8	636.6	647.4	656.9	665.0	671.7
-60°	498.4	516.9	534.2	550.4	565.3	579.0	589.4	598.7	606.8	613.7	619.4
-62.5°	450.9	468.0	483.8	498.4	512.0	524.4	535.6	545.6	554.3	561.7	567.8
-65°	400.8	416.7	431.7	445.6	458.4	469.6	479.6	488.6	496.4	503.0	508.5
-67.5°	350.3	364.5	377.9	390.3	401.8	412.2	421.7	430.1	437.4	443.6	448.7
-70°	297.8	311.1	323.5	334.8	344.9	354.1	362.4	369.8	376.3	381.7	386.2
-72.5°	245.1	256.0	266.4	276.5	285.7	294.1	301.7	308.4	314.3	319.3	323.4
-75°	194.7	203.1	211.8	219.9	227.4	234.2	240.4	245.9	250.6	254.6	258.0
-77.5°	150.9	157.5	163.7	169.4	174.7	179.5	183.8	187.6	191.0	193.8	196.1
-80°	109.2	114.2	118.8	123.1	127.1	130.7	133.9	136.8	139.3	141.4	143.2
-82.5°	74.6	77.4	80.0	82.4	84.6	86.6	88.5	90.1	91.5	92.7	93.6
-85°	45.7	47.2	48.7	50.0	51.2	52.3	53.4	54.2	55.0	55.7	56.2
-87.5°	20.8	21.4	22.0	22.5	23.0	23.5	23.9	24.2	24.5	24.8	25.0
-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: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	25.2	25.3	25.4	25.4	25.4	25.3	25.2	25.0	24.8	24.5	24.2
85°	56.7	57.0	57.1	57.2	57.1	57.0	56.7	56.2	55.7	55.0	54.2
82.5°	94.4	95.0	95.3	95.4	95.3	95.0	94.4	93.6	92.7	91.5	90.1
80°	144.5	145.5	146.1	146.3	146.1	145.5	144.5	143.2	141.4	139.3	136.8
77.5°	198.0	199.3	200.0	200.3	200.0	199.3	198.0	196.1	193.8	191.0	187.6
75°	260.6	262.4	263.5	263.9	263.5	262.4	260.6	258.0	254.6	250.6	245.9
72.5°	326.6	328.9	330.2	330.7	330.2	328.9	326.6	323.4	319.3	314.3	308.4
70°	389.8	392.3	393.8	394.3	393.8	392.3	389.8	386.2	381.7	376.3	369.8
67.5°	452.7	455.6	457.3	457.9	457.3	455.6	452.7	448.7	443.6	437.4	430.1
65°	512.8	515.8	517.7	518.3	517.7	515.8	512.8	508.5	503.0	496.4	488.6
62.5°	572.5	576.0	578.0	578.7	578.0	576.0	572.5	567.8	561.7	554.3	545.6
60°	623.8	627.0	629.0	629.6	629.0	627.0	623.8	619.4	613.7	606.8	598.7
57.5°	676.9	680.6	682.8	683.6	682.8	680.6	676.9	671.7	665.0	656.9	647.4
55°	735.7	740.3	743.1	744.0	743.1	740.3	735.7	729.3	721.2	711.2	699.6
52.5°	792.7	797.5	800.3	801.3	800.3	797.5	792.7	786.1	777.6	767.3	755.3
50°	859.7	866.1	869.9	871.2	869.9	866.1	859.7	850.9	839.6	825.9	810.0
47.5°	936.5	944.4	949.1	950.7	949.1	944.4	936.5	925.5	911.5	894.6	874.9
45°	1040.3	1052.3	1059.6	1062.0	1059.6	1052.3	1040.3	1023.5	1002.2	976.5	947.7
42.5°	1169.6	1185.7	1195.4	1198.7	1195.4	1185.7	1169.6	1147.2	1118.8	1084.4	1047.8
40°	1308.6	1327.0	1338.1	1341.8	1338.1	1327.0	1308.6	1283.0	1250.7	1211.7	1167.9
37.5°	1488.9	1516.6	1533.3	1538.9	1533.3	1516.6	1488.9	1450.6	1402.0	1343.7	1294.2
35°	1750.2	1795.1	1822.3	1831.4	1822.3	1795.1	1750.2	1688.1	1609.7	1523.3	1450.1
32.5°	2132.2	2205.0	2249.1	2263.9	2249.1	2205.0	2132.2	2031.8	1905.2	1779.1	1661.5
30°	2716.1	2842.1	2918.6	2944.3	2918.6	2842.1	2716.1	2542.9	2325.2	2138.3	1949.8
27.5°	3656.4	3887.9	4028.9	4076.2	4028.9	3887.9	3656.4	3339.1	2943.0	2660.6	2338.6
25°	5197.0	5630.3	5895.0	5984.0	5895.0	5630.3	5197.0	4605.8	3953.9	3440.3	2892.5
22.5°	7651.4	8438.5	8921.3	9084.1	8921.3	8438.5	7651.4	6583.9	5541.0	4592.3	3749.2
20°	11337.7	12687.8	13520.8	13802.6	13520.8	12687.8	11337.7	9520.6	7907.9	6214.4	4963.8
17.5°	16658.3	18967.9	20404.8	20893.0	20404.8	18967.9	16658.3	13655.9	11176.3	8594.4	6538.1
15°	24151.8	28134.6	30642.2	31500.1	30642.2	28134.6	24151.8	19577.4	15409.9	11744.2	8594.4
12.5°	34729.9	42555.0	47573.3	49308.9	47573.3	42555.0	34729.9	27435.8	20589.6	15409.9	11176.3
10°	49578.9	64974.7	75146.9	78732.8	75146.9	64974.7	49578.9	37868.2	27435.8	19577.4	13655.9
7.5°	71772.2	97696.9	118730.0	126426.5	118730.0	97696.9	71772.2	49578.9	34729.9	24151.8	16658.3
5°	97696.9	137831.2	176717.1	192208.8	176717.1	137831.2	97696.9	64974.7	42555.0	28134.6	18967.9
2.5°	118730.0	176717.1	230003.3	256703.4	230003.3	176717.1	118730.0	75146.9	47573.3	30642.2	20404.8
0°	126426.5	192208.8	256703.4	284394.4	256703.4	192208.8	126426.5	78732.8	49308.9	31500.1	20893.0
-2.5°	118730.0	176717.1	230003.3	256703.4	230003.3	176717.1	118730.0	75146.9	47573.3	30642.2	20404.8
-5°	97696.9	137831.2	176717.1	192208.8	176717.1	137831.2	97696.9	64974.7	42555.0	28134.6	18967.9
-7.5°	71772.2	97696.9	118730.0	126426.5	118730.0	97696.9	71772.2	49578.9	34729.9	24151.8	16658.3
-10°	49578.9	64974.7	75146.9	78732.8	75146.9	64974.7	49578.9	37868.2	27435.8	19577.4	13655.9
-12.5°	34729.9	42555.0	47573.3	49308.9	47573.3	42555.0	34729.9	27435.8	20589.6	15409.9	11176.3
-15°	24151.8	28134.6	30642.2	31500.1	30642.2	28134.6	24151.8	19577.4	15409.9	11744.2	8594.4
-17.5°	16658.3	18967.9	20404.8	20893.0	20404.8	18967.9	16658.3	13655.9	11176.3	8594.4	6538.1
-20°	11337.7	12687.8	13520.8	13802.6	13520.8	12687.8	11337.7	9520.6	7907.9	6214.4	4963.8

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

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REPORT NUMBER: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	7651.4	8438.5	8921.3	9084.1	8921.3	8438.5	7651.4	6583.9	5541.0	4592.3	3749.2
-25°	5197.0	5630.3	5895.0	5984.0	5895.0	5630.3	5197.0	4605.8	3953.9	3440.3	2892.5
-27.5°	3656.4	3887.9	4028.9	4076.2	4028.9	3887.9	3656.4	3339.1	2943.0	2660.6	2338.6
-30°	2716.1	2842.1	2918.6	2944.3	2918.6	2842.1	2716.1	2542.9	2325.2	2138.3	1949.8
-32.5°	2132.2	2205.0	2249.1	2263.9	2249.1	2205.0	2132.2	2031.8	1905.2	1779.1	1661.5
-35°	1750.2	1795.1	1822.3	1831.4	1822.3	1795.1	1750.2	1688.1	1609.7	1523.3	1450.1
-37.5°	1488.9	1516.6	1533.3	1538.9	1533.3	1516.6	1488.9	1450.6	1402.0	1343.7	1294.2
-40°	1308.6	1327.0	1338.1	1341.8	1338.1	1327.0	1308.6	1283.0	1250.7	1211.7	1167.9
-42.5°	1169.6	1185.7	1195.4	1198.7	1195.4	1185.7	1169.6	1147.2	1118.8	1084.4	1047.8
-45°	1040.3	1052.3	1059.6	1062.0	1059.6	1052.3	1040.3	1023.5	1002.2	976.5	947.7
-47.5°	936.5	944.4	949.1	950.7	949.1	944.4	936.5	925.5	911.5	894.6	874.9
-50°	859.7	866.1	869.9	871.2	869.9	866.1	859.7	850.9	839.6	825.9	810.0
-52.5°	792.7	797.5	800.3	801.3	800.3	797.5	792.7	786.1	777.6	767.3	755.3
-55°	735.7	740.3	743.1	744.0	743.1	740.3	735.7	729.3	721.2	711.2	699.6
-57.5°	676.9	680.6	682.8	683.6	682.8	680.6	676.9	671.7	665.0	656.9	647.4
-60°	623.8	627.0	629.0	629.6	629.0	627.0	623.8	619.4	613.7	606.8	598.7
-62.5°	572.5	576.0	578.0	578.7	578.0	576.0	572.5	567.8	561.7	554.3	545.6
-65°	512.8	515.8	517.7	518.3	517.7	515.8	512.8	508.5	503.0	496.4	488.6
-67.5°	452.7	455.6	457.3	457.9	457.3	455.6	452.7	448.7	443.6	437.4	430.1
-70°	389.8	392.3	393.8	394.3	393.8	392.3	389.8	386.2	381.7	376.3	369.8
-72.5°	326.6	328.9	330.2	330.7	330.2	328.9	326.6	323.4	319.3	314.3	308.4
-75°	260.6	262.4	263.5	263.9	263.5	262.4	260.6	258.0	254.6	250.6	245.9
-77.5°	198.0	199.3	200.0	200.3	200.0	199.3	198.0	196.1	193.8	191.0	187.6
-80°	144.5	145.5	146.1	146.3	146.1	145.5	144.5	143.2	141.4	139.3	136.8
-82.5°	94.4	95.0	95.3	95.4	95.3	95.0	94.4	93.6	92.7	91.5	90.1
-85°	56.7	57.0	57.1	57.2	57.1	57.0	56.7	56.2	55.7	55.0	54.2
-87.5°	25.2	25.3	25.4	25.4	25.4	25.3	25.2	25.0	24.8	24.5	24.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	23.9	23.5	23.0	22.5	22.0	21.4	20.8	20.1	19.5	18.7	18.0
85°	53.4	52.3	51.2	50.0	48.7	47.2	45.7	44.0	42.3	40.5	38.5
82.5°	88.5	86.6	84.6	82.4	80.0	77.4	74.6	71.6	68.5	65.2	61.7
80°	133.9	130.7	127.1	123.1	118.8	114.2	109.2	103.9	98.3	93.2	88.6
77.5°	183.8	179.5	174.7	169.4	163.7	157.5	150.9	144.0	137.0	129.7	121.9
75°	240.4	234.2	227.4	219.9	211.8	203.1	194.7	186.2	177.3	167.9	158.1
72.5°	301.7	294.1	285.7	276.5	266.4	256.0	245.1	233.4	221.1	208.2	195.5
70°	362.4	354.1	344.9	334.8	323.5	311.1	297.8	283.8	268.9	253.9	238.3
67.5°	421.7	412.2	401.8	390.3	377.9	364.5	350.3	335.1	318.6	301.0	282.6
65°	479.6	469.6	458.4	445.6	431.7	416.7	400.8	383.9	366.0	347.4	327.7
62.5°	535.6	524.4	512.0	498.4	483.8	468.0	450.9	432.2	412.5	391.8	370.3
60°	589.4	579.0	565.3	550.4	534.2	516.9	498.4	478.9	458.4	435.8	412.2
57.5°	636.6	624.8	612.1	598.3	583.4	565.3	545.2	523.9	501.5	478.1	453.6
55°	686.4	672.8	658.1	642.2	625.2	607.8	589.4	568.3	544.0	518.7	492.4
52.5°	741.4	725.2	707.4	688.0	668.8	648.9	627.8	606.8	584.7	558.6	530.3
50°	793.5	776.8	758.5	738.2	715.6	691.5	667.9	643.9	619.4	594.8	567.4
47.5°	854.7	832.6	808.4	785.6	762.5	737.6	710.2	681.7	654.8	627.0	599.8
45°	923.4	896.3	867.2	838.9	808.6	780.9	753.1	722.8	690.8	660.3	629.6
42.5°	1010.9	970.0	932.5	898.0	862.3	827.8	793.3	762.3	729.2	693.9	660.3
40°	1119.0	1064.8	1016.1	964.2	920.8	879.0	839.5	799.6	765.4	729.2	690.8
37.5°	1238.9	1178.8	1115.2	1049.8	990.7	934.7	888.1	843.4	799.6	762.3	722.8
35°	1367.9	1295.0	1223.7	1149.6	1072.2	1004.1	939.4	888.1	839.5	793.3	753.1
32.5°	1532.8	1435.4	1333.3	1251.7	1167.0	1080.7	1004.1	934.7	879.0	827.8	780.9
30°	1769.2	1613.8	1476.6	1356.8	1261.1	1167.0	1072.2	990.7	920.8	862.3	808.6
27.5°	2084.3	1837.3	1656.4	1490.5	1356.8	1251.7	1149.6	1049.8	964.2	898.0	838.9
25°	2506.6	2152.9	1870.2	1656.4	1476.6	1333.3	1223.7	1115.2	1016.1	932.5	867.2
22.5°	3055.6	2563.4	2152.9	1837.3	1613.8	1435.4	1295.0	1178.8	1064.8	970.0	896.3
20°	3853.9	3055.6	2506.6	2084.3	1769.2	1532.8	1367.9	1238.9	1119.0	1010.9	923.4
17.5°	4963.8	3749.2	2892.5	2338.6	1949.8	1661.5	1450.1	1294.2	1167.9	1047.8	947.7
15°	6214.4	4592.3	3440.3	2660.6	2138.3	1779.1	1523.3	1343.7	1211.7	1084.4	976.5
12.5°	7907.9	5541.0	3953.9	2943.0	2325.2	1905.2	1609.7	1402.0	1250.7	1118.8	1002.2
10°	9520.6	6583.9	4605.8	3339.1	2542.9	2031.8	1688.1	1450.6	1283.0	1147.2	1023.5
7.5°	11337.7	7651.4	5197.0	3656.4	2716.1	2132.2	1750.2	1488.9	1308.6	1169.6	1040.3
5°	12687.8	8438.5	5630.3	3887.9	2842.1	2205.0	1795.1	1516.6	1327.0	1185.7	1052.3
2.5°	13520.8	8921.3	5895.0	4028.9	2918.6	2249.1	1822.3	1533.3	1338.1	1195.4	1059.6
0°	13802.6	9084.1	5984.0	4076.2	2944.3	2263.9	1831.4	1538.9	1341.8	1198.7	1062.0
-2.5°	13520.8	8921.3	5895.0	4028.9	2918.6	2249.1	1822.3	1533.3	1338.1	1195.4	1059.6
-5°	12687.8	8438.5	5630.3	3887.9	2842.1	2205.0	1795.1	1516.6	1327.0	1185.7	1052.3
-7.5°	11337.7	7651.4	5197.0	3656.4	2716.1	2132.2	1750.2	1488.9	1308.6	1169.6	1040.3
-10°	9520.6	6583.9	4605.8	3339.1	2542.9	2031.8	1688.1	1450.6	1283.0	1147.2	1023.5
-12.5°	7907.9	5541.0	3953.9	2943.0	2325.2	1905.2	1609.7	1402.0	1250.7	1118.8	1002.2
-15°	6214.4	4592.3	3440.3	2660.6	2138.3	1779.1	1523.3	1343.7	1211.7	1084.4	976.5
-17.5°	4963.8	3749.2	2892.5	2338.6	1949.8	1661.5	1450.1	1294.2	1167.9	1047.8	947.7
-20°	3853.9	3055.6	2506.6	2084.3	1769.2	1532.8	1367.9	1238.9	1119.0	1010.9	923.4

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REPORT NUMBER: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	3055.6	2563.4	2152.9	1837.3	1613.8	1435.4	1295.0	1178.8	1064.8	970.0	896.3
-25°	2506.6	2152.9	1870.2	1656.4	1476.6	1333.3	1223.7	1115.2	1016.1	932.5	867.2
-27.5°	2084.3	1837.3	1656.4	1490.5	1356.8	1251.7	1149.6	1049.8	964.2	898.0	838.9
-30°	1769.2	1613.8	1476.6	1356.8	1261.1	1167.0	1072.2	990.7	920.8	862.3	808.6
-32.5°	1532.8	1435.4	1333.3	1251.7	1167.0	1080.7	1004.1	934.7	879.0	827.8	780.9
-35°	1367.9	1295.0	1223.7	1149.6	1072.2	1004.1	939.4	888.1	839.5	793.3	753.1
-37.5°	1238.9	1178.8	1115.2	1049.8	990.7	934.7	888.1	843.4	799.6	762.3	722.8
-40°	1119.0	1064.8	1016.1	964.2	920.8	879.0	839.5	799.6	765.4	729.2	690.8
-42.5°	1010.9	970.0	932.5	898.0	862.3	827.8	793.3	762.3	729.2	693.9	660.3
-45°	923.4	896.3	867.2	838.9	808.6	780.9	753.1	722.8	690.8	660.3	629.6
-47.5°	854.7	832.6	808.4	785.6	762.5	737.6	710.2	681.7	654.8	627.0	599.8
-50°	793.5	776.8	758.5	738.2	715.6	691.5	667.9	643.9	619.4	594.8	567.4
-52.5°	741.4	725.2	707.4	688.0	668.8	648.9	627.8	606.8	584.7	558.6	530.3
-55°	686.4	672.8	658.1	642.2	625.2	607.8	589.4	568.3	544.0	518.7	492.4
-57.5°	636.6	624.8	612.1	598.3	583.4	565.3	545.2	523.9	501.5	478.1	453.6
-60°	589.4	579.0	565.3	550.4	534.2	516.9	498.4	478.9	458.4	435.8	412.2
-62.5°	535.6	524.4	512.0	498.4	483.8	468.0	450.9	432.2	412.5	391.8	370.3
-65°	479.6	469.6	458.4	445.6	431.7	416.7	400.8	383.9	366.0	347.4	327.7
-67.5°	421.7	412.2	401.8	390.3	377.9	364.5	350.3	335.1	318.6	301.0	282.6
-70°	362.4	354.1	344.9	334.8	323.5	311.1	297.8	283.8	268.9	253.9	238.3
-72.5°	301.7	294.1	285.7	276.5	266.4	256.0	245.1	233.4	221.1	208.2	195.5
-75°	240.4	234.2	227.4	219.9	211.8	203.1	194.7	186.2	177.3	167.9	158.1
-77.5°	183.8	179.5	174.7	169.4	163.7	157.5	150.9	144.0	137.0	129.7	121.9
-80°	133.9	130.7	127.1	123.1	118.8	114.2	109.2	103.9	98.3	93.2	88.6
-82.5°	88.5	86.6	84.6	82.4	80.0	77.4	74.6	71.6	68.5	65.2	61.7
-85°	53.4	52.3	51.2	50.0	48.7	47.2	45.7	44.0	42.3	40.5	38.5
-87.5°	23.9	23.5	23.0	22.5	22.0	21.4	20.8	20.1	19.5	18.7	18.0
-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: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	17.2	16.3	15.5	14.6	13.6	12.7	11.7	10.7	9.7	8.7	7.6
85°	36.5	34.5	32.3	30.0	27.7	25.4	23.4	21.4	19.4	17.4	15.3
82.5°	58.1	54.8	51.6	48.2	44.8	41.2	37.6	33.8	30.0	26.1	22.9
80°	83.7	78.7	73.5	68.1	62.6	57.0	52.1	47.1	42.1	36.9	31.7
77.5°	113.9	105.5	96.9	89.8	82.8	75.7	68.4	61.0	54.0	47.6	41.1
75°	147.8	137.7	127.3	116.5	105.5	94.4	85.7	76.8	67.7	58.4	50.4
72.5°	183.5	171.0	158.1	144.9	132.0	118.8	105.2	92.4	81.8	71.0	60.1
70°	222.2	205.4	189.9	174.7	159.0	143.2	127.7	111.9	95.8	83.4	71.0
67.5°	263.5	244.6	225.0	204.9	186.6	168.6	150.1	132.2	114.2	95.8	81.8
65°	306.4	284.3	261.6	239.2	216.2	193.8	173.4	152.5	132.2	111.9	92.4
62.5°	347.9	324.4	299.3	273.5	247.7	221.9	196.2	173.4	150.1	127.7	105.2
60°	387.8	362.4	336.3	308.4	279.5	250.6	221.9	193.8	168.6	143.2	118.8
57.5°	427.0	399.5	371.2	342.1	311.5	279.5	247.7	216.2	186.6	159.0	132.0
55°	465.1	435.9	405.4	374.1	342.1	308.4	273.5	239.2	204.9	174.7	144.9
52.5°	501.0	470.8	438.9	405.4	371.2	336.3	299.3	261.6	225.0	189.9	158.1
50°	536.1	503.9	470.8	435.9	399.5	362.4	324.4	284.3	244.6	205.4	171.0
47.5°	570.4	536.1	501.0	465.1	427.0	387.8	347.9	306.4	263.5	222.2	183.5
45°	599.8	567.4	530.3	492.4	453.6	412.2	370.3	327.7	282.6	238.3	195.5
42.5°	627.0	594.8	558.6	518.7	478.1	435.8	391.8	347.4	301.0	253.9	208.2
40°	654.8	619.4	584.7	544.0	501.5	458.4	412.5	366.0	318.6	268.9	221.1
37.5°	681.7	643.9	606.8	568.3	523.9	478.9	432.2	383.9	335.1	283.8	233.4
35°	710.2	667.9	627.8	589.4	545.2	498.4	450.9	400.8	350.3	297.8	245.1
32.5°	737.6	691.5	648.9	607.8	565.3	516.9	468.0	416.7	364.5	311.1	256.0
30°	762.5	715.6	668.8	625.2	583.4	534.2	483.8	431.7	377.9	323.5	266.4
27.5°	785.6	738.2	688.0	642.2	598.3	550.4	498.4	445.6	390.3	334.8	276.5
25°	808.4	758.5	707.4	658.1	612.1	565.3	512.0	458.4	401.8	344.9	285.7
22.5°	832.6	776.8	725.2	672.8	624.8	579.0	524.4	469.6	412.2	354.1	294.1
20°	854.7	793.5	741.4	686.4	636.6	589.4	535.6	479.6	421.7	362.4	301.7
17.5°	874.9	810.0	755.3	699.6	647.4	598.7	545.6	488.6	430.1	369.8	308.4
15°	894.6	825.9	767.3	711.2	656.9	606.8	554.3	496.4	437.4	376.3	314.3
12.5°	911.5	839.6	777.6	721.2	665.0	613.7	561.7	503.0	443.6	381.7	319.3
10°	925.5	850.9	786.1	729.3	671.7	619.4	567.8	508.5	448.7	386.2	323.4
7.5°	936.5	859.7	792.7	735.7	676.9	623.8	572.5	512.8	452.7	389.8	326.6
5°	944.4	866.1	797.5	740.3	680.6	627.0	576.0	515.8	455.6	392.3	328.9
2.5°	949.1	869.9	800.3	743.1	682.8	629.0	578.0	517.7	457.3	393.8	330.2
0°	950.7	871.2	801.3	744.0	683.6	629.6	578.7	518.3	457.9	394.3	330.7
-2.5°	949.1	869.9	800.3	743.1	682.8	629.0	578.0	517.7	457.3	393.8	330.2
-5°	944.4	866.1	797.5	740.3	680.6	627.0	576.0	515.8	455.6	392.3	328.9
-7.5°	936.5	859.7	792.7	735.7	676.9	623.8	572.5	512.8	452.7	389.8	326.6
-10°	925.5	850.9	786.1	729.3	671.7	619.4	567.8	508.5	448.7	386.2	323.4
-12.5°	911.5	839.6	777.6	721.2	665.0	613.7	561.7	503.0	443.6	381.7	319.3
-15°	894.6	825.9	767.3	711.2	656.9	606.8	554.3	496.4	437.4	376.3	314.3
-17.5°	874.9	810.0	755.3	699.6	647.4	598.7	545.6	488.6	430.1	369.8	308.4
-20°	854.7	793.5	741.4	686.4	636.6	589.4	535.6	479.6	421.7	362.4	301.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	832.6	776.8	725.2	672.8	624.8	579.0	524.4	469.6	412.2	354.1	294.1
-25°	808.4	758.5	707.4	658.1	612.1	565.3	512.0	458.4	401.8	344.9	285.7
-27.5°	785.6	738.2	688.0	642.2	598.3	550.4	498.4	445.6	390.3	334.8	276.5
-30°	762.5	715.6	668.8	625.2	583.4	534.2	483.8	431.7	377.9	323.5	266.4
-32.5°	737.6	691.5	648.9	607.8	565.3	516.9	468.0	416.7	364.5	311.1	256.0
-35°	710.2	667.9	627.8	589.4	545.2	498.4	450.9	400.8	350.3	297.8	245.1
-37.5°	681.7	643.9	606.8	568.3	523.9	478.9	432.2	383.9	335.1	283.8	233.4
-40°	654.8	619.4	584.7	544.0	501.5	458.4	412.5	366.0	318.6	268.9	221.1
-42.5°	627.0	594.8	558.6	518.7	478.1	435.8	391.8	347.4	301.0	253.9	208.2
-45°	599.8	567.4	530.3	492.4	453.6	412.2	370.3	327.7	282.6	238.3	195.5
-47.5°	570.4	536.1	501.0	465.1	427.0	387.8	347.9	306.4	263.5	222.2	183.5
-50°	536.1	503.9	470.8	435.9	399.5	362.4	324.4	284.3	244.6	205.4	171.0
-52.5°	501.0	470.8	438.9	405.4	371.2	336.3	299.3	261.6	225.0	189.9	158.1
-55°	465.1	435.9	405.4	374.1	342.1	308.4	273.5	239.2	204.9	174.7	144.9
-57.5°	427.0	399.5	371.2	342.1	311.5	279.5	247.7	216.2	186.6	159.0	132.0
-60°	387.8	362.4	336.3	308.4	279.5	250.6	221.9	193.8	168.6	143.2	118.8
-62.5°	347.9	324.4	299.3	273.5	247.7	221.9	196.2	173.4	150.1	127.7	105.2
-65°	306.4	284.3	261.6	239.2	216.2	193.8	173.4	152.5	132.2	111.9	92.4
-67.5°	263.5	244.6	225.0	204.9	186.6	168.6	150.1	132.2	114.2	95.8	81.8
-70°	222.2	205.4	189.9	174.7	159.0	143.2	127.7	111.9	95.8	83.4	71.0
-72.5°	183.5	171.0	158.1	144.9	132.0	118.8	105.2	92.4	81.8	71.0	60.1
-75°	147.8	137.7	127.3	116.5	105.5	94.4	85.7	76.8	67.7	58.4	50.4
-77.5°	113.9	105.5	96.9	89.8	82.8	75.7	68.4	61.0	54.0	47.6	41.1
-80°	83.7	78.7	73.5	68.1	62.6	57.0	52.1	47.1	42.1	36.9	31.7
-82.5°	58.1	54.8	51.6	48.2	44.8	41.2	37.6	33.8	30.0	26.1	22.9
-85°	36.5	34.5	32.3	30.0	27.7	25.4	23.4	21.4	19.4	17.4	15.3
-87.5°	17.2	16.3	15.5	14.6	13.6	12.7	11.7	10.7	9.7	8.7	7.6
-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: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
85°	13.1	11.0	8.8	6.6	4.4	2.2	0.0
82.5°	19.7	16.4	13.2	9.9	6.6	3.3	0.0
80°	26.4	21.9	17.6	13.2	8.8	4.4	0.0
77.5°	34.4	27.8	21.9	16.4	11.0	5.5	0.0
75°	42.5	34.4	26.4	19.7	13.1	6.6	0.0
72.5°	50.4	41.1	31.7	22.9	15.3	7.6	0.0
70°	58.4	47.6	36.9	26.1	17.4	8.7	0.0
67.5°	67.7	54.0	42.1	30.0	19.4	9.7	0.0
65°	76.8	61.0	47.1	33.8	21.4	10.7	0.0
62.5°	85.7	68.4	52.1	37.6	23.4	11.7	0.0
60°	94.4	75.7	57.0	41.2	25.4	12.7	0.0
57.5°	105.5	82.8	62.6	44.8	27.7	13.6	0.0
55°	116.5	89.8	68.1	48.2	30.0	14.6	0.0
52.5°	127.3	96.9	73.5	51.6	32.3	15.5	0.0
50°	137.7	105.5	78.7	54.8	34.5	16.3	0.0
47.5°	147.8	113.9	83.7	58.1	36.5	17.2	0.0
45°	158.1	121.9	88.6	61.7	38.5	18.0	0.0
42.5°	167.9	129.7	93.2	65.2	40.5	18.7	0.0
40°	177.3	137.0	98.3	68.5	42.3	19.5	0.0
37.5°	186.2	144.0	103.9	71.6	44.0	20.1	0.0
35°	194.7	150.9	109.2	74.6	45.7	20.8	0.0
32.5°	203.1	157.5	114.2	77.4	47.2	21.4	0.0
30°	211.8	163.7	118.8	80.0	48.7	22.0	0.0
27.5°	219.9	169.4	123.1	82.4	50.0	22.5	0.0
25°	227.4	174.7	127.1	84.6	51.2	23.0	0.0
22.5°	234.2	179.5	130.7	86.6	52.3	23.5	0.0
20°	240.4	183.8	133.9	88.5	53.4	23.9	0.0
17.5°	245.9	187.6	136.8	90.1	54.2	24.2	0.0
15°	250.6	191.0	139.3	91.5	55.0	24.5	0.0
12.5°	254.6	193.8	141.4	92.7	55.7	24.8	0.0
10°	258.0	196.1	143.2	93.6	56.2	25.0	0.0
7.5°	260.6	198.0	144.5	94.4	56.7	25.2	0.0
5°	262.4	199.3	145.5	95.0	57.0	25.3	0.0
2.5°	263.5	200.0	146.1	95.3	57.1	25.4	0.0
0°	263.9	200.3	146.3	95.4	57.2	25.4	0.0
-2.5°	263.5	200.0	146.1	95.3	57.1	25.4	0.0
-5°	262.4	199.3	145.5	95.0	57.0	25.3	0.0
-7.5°	260.6	198.0	144.5	94.4	56.7	25.2	0.0
-10°	258.0	196.1	143.2	93.6	56.2	25.0	0.0
-12.5°	254.6	193.8	141.4	92.7	55.7	24.8	0.0
-15°	250.6	191.0	139.3	91.5	55.0	24.5	0.0
-17.5°	245.9	187.6	136.8	90.1	54.2	24.2	0.0
-20°	240.4	183.8	133.9	88.5	53.4	23.9	0.0

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REPORT NUMBER: P624764 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-33

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	234.2	179.5	130.7	86.6	52.3	23.5	0.0
-25°	227.4	174.7	127.1	84.6	51.2	23.0	0.0
-27.5°	219.9	169.4	123.1	82.4	50.0	22.5	0.0
-30°	211.8	163.7	118.8	80.0	48.7	22.0	0.0
-32.5°	203.1	157.5	114.2	77.4	47.2	21.4	0.0
-35°	194.7	150.9	109.2	74.6	45.7	20.8	0.0
-37.5°	186.2	144.0	103.9	71.6	44.0	20.1	0.0
-40°	177.3	137.0	98.3	68.5	42.3	19.5	0.0
-42.5°	167.9	129.7	93.2	65.2	40.5	18.7	0.0
-45°	158.1	121.9	88.6	61.7	38.5	18.0	0.0
-47.5°	147.8	113.9	83.7	58.1	36.5	17.2	0.0
-50°	137.7	105.5	78.7	54.8	34.5	16.3	0.0
-52.5°	127.3	96.9	73.5	51.6	32.3	15.5	0.0
-55°	116.5	89.8	68.1	48.2	30.0	14.6	0.0
-57.5°	105.5	82.8	62.6	44.8	27.7	13.6	0.0
-60°	94.4	75.7	57.0	41.2	25.4	12.7	0.0
-62.5°	85.7	68.4	52.1	37.6	23.4	11.7	0.0
-65°	76.8	61.0	47.1	33.8	21.4	10.7	0.0
-67.5°	67.7	54.0	42.1	30.0	19.4	9.7	0.0
-70°	58.4	47.6	36.9	26.1	17.4	8.7	0.0
-72.5°	50.4	41.1	31.7	22.9	15.3	7.6	0.0
-75°	42.5	34.4	26.4	19.7	13.1	6.6	0.0
-77.5°	34.4	27.8	21.9	16.4	11.0	5.5	0.0
-80°	26.4	21.9	17.6	13.2	8.8	4.4	0.0
-82.5°	19.7	16.4	13.2	9.9	6.6	3.3	0.0
-85°	13.1	11.0	8.8	6.6	4.4	2.2	0.0
-87.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)