

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: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-5700K-33**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624757 (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-04-E-PRO-5700K-33  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 33 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

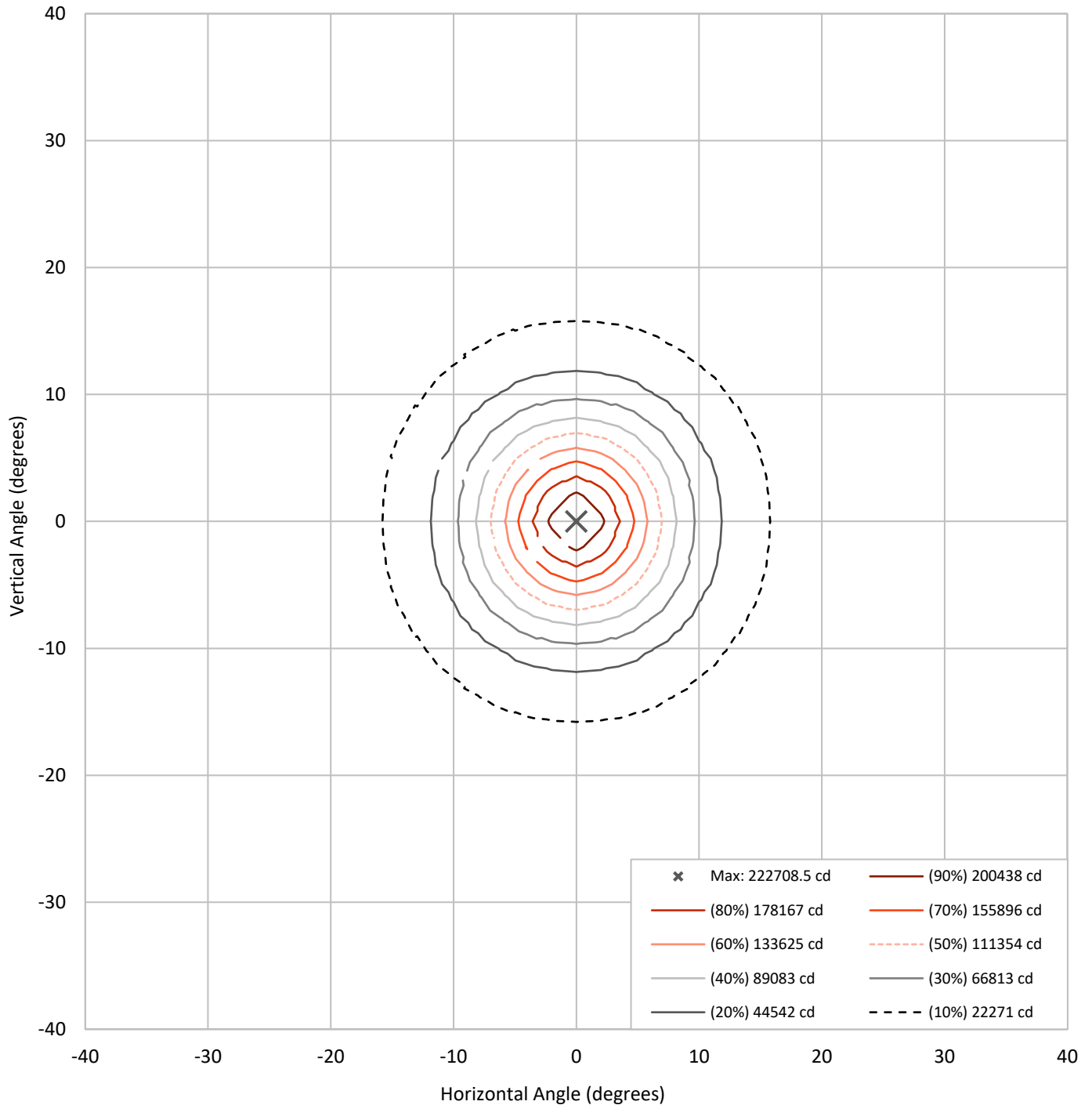
Lumens per Lamp: N/A  
Luminaire Lumens: 23931 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
NEMA Type: 3H x 3V  
Max Intensity: 222708.5 candela  
Max Intensity Angle: 0°H x 0°V  
Beam Angle (50%): 13.8°H x 13.8°V  
Beam Lumens: 6978.2 lumens  
Beam Efficiency: 29.2%  
Field Angle (10%): 31.4°H x 31.4°V  
Field Lumens: 16248.2 lumens  
Field Efficiency: 67.9%

Input Watts (W): 189  
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: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

### Iso-Candela Plot





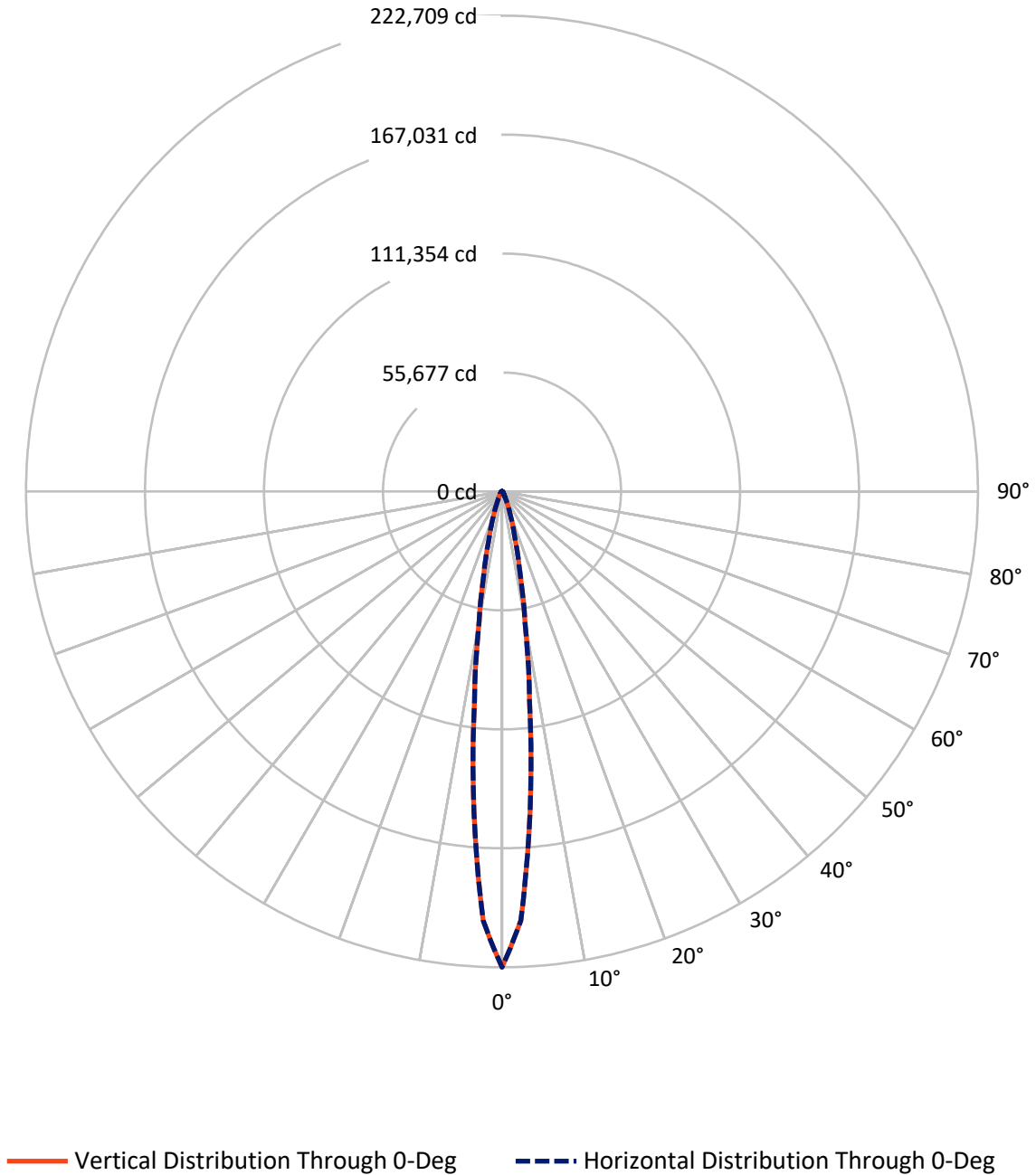
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 CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

### Lumen Table

90	0.4	3.1	8.2	13.4	15.5	13.4	8.2	3.1	0.4										
80	0.4	3.1	8.2	13.4	15.5	13.4	8.2	3.1	0.4										
70	1.4	1.6	3.3	5.5	7.8	9.9	11.4	12.2	12.2	11.4	9.9	7.8	5.5	3.3	1.6	1.4			
60		2.5	5.1	8.3	11.4	14.2	16.4	17.6	17.6	16.4	14.2	11.4	8.3	5.1	2.5				
50	2.6	3.3	6.7	10.6	14.7	18.9	22.8	25.3	25.3	22.8	18.9	14.7	10.6	6.7	3.3	2.6			
40		4.1	8.0	12.7	18.6	26.7	36.5	44.7	44.7	36.5	26.7	18.6	12.7	8.0	4.1				
30	3.4	4.7	9.1	14.8	24.2	42.6	87.0	148.9	148.9	87.0	42.6	24.2	14.8	9.1	4.7	3.4			
20		5.0	9.8	16.8	31.1	82.0	294.9	732.7	732.7	294.9	82.0	31.1	16.8	9.8	5.0				
10	3.8	5.2	10.2	18.1	37.0	136.7	713.9	3135.2	3135.2	713.9	136.7	37.0	18.1	10.2	5.2	3.8			
0		5.2	10.2	18.1	37.0	136.7	713.9	3135.2	3135.2	713.9	136.7	37.0	18.1	10.2	5.2				
-10	3.4	5.0	9.8	16.8	31.1	82.0	294.9	732.7	732.7	294.9	82.0	31.1	16.8	9.8	5.0	3.4			
-20		4.7	9.1	14.8	24.2	42.6	87.0	148.9	148.9	87.0	42.6	24.2	14.8	9.1	4.7				
-30	2.6	4.1	8.0	12.7	18.6	26.7	36.5	44.7	44.7	36.5	26.7	18.6	12.7	8.0	4.1	2.6			
-40		3.3	6.7	10.6	14.7	18.9	22.8	25.3	25.3	22.8	18.9	14.7	10.6	6.7	3.3				
-50	1.4	2.5	5.1	8.3	11.4	14.2	16.4	17.6	17.6	16.4	14.2	11.4	8.3	5.1	2.5	1.4			
-60		1.6	3.3	5.5	7.8	9.9	11.4	12.2	12.2	11.4	9.9	7.8	5.5	3.3	1.6				
-70	0.4	3.1	8.2	13.4	15.5	13.4	8.2	3.1	0.4						0.4				
-80		0.4	3.1	8.2	13.4	15.5	13.4	8.2	3.1	0.4									
-90	0.4	3.1	8.2	13.4	15.5	13.4	8.2	3.1	0.4						0.4				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

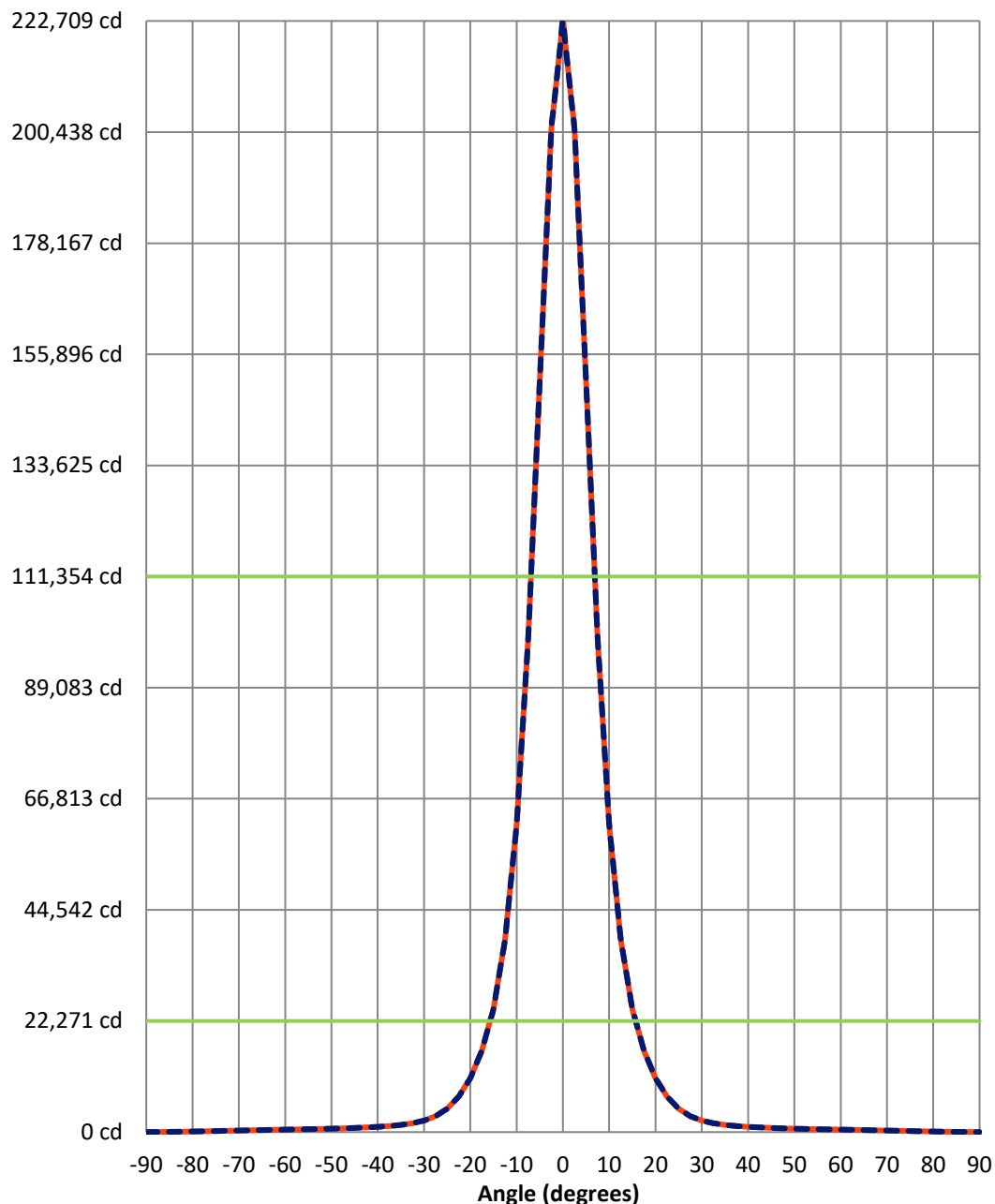
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13.8°  
 V Angle: 13.8°  
 Lumens: 6978.2  
 Efficiency: 29.2%

**Field:**  
 H Angle: 31.4°  
 V Angle: 31.4°  
 Lumens: 16248.2  
 Efficiency: 67.9%

**Spill:**  
 Lumens: 7682.8  
 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	0.9	1.7	2.6	3.5	4.3	5.1	6.0	6.8	7.6	8.4
85°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.6	15.2	16.8
82.5°	0.0	2.6	5.2	7.8	10.3	12.9	15.4	17.9	20.5	23.5	26.5
80°	0.0	3.5	6.9	10.3	13.8	17.1	20.7	24.8	28.9	33.0	36.9
77.5°	0.0	4.3	8.6	12.9	17.1	21.7	27.0	32.2	37.3	42.3	47.8
75°	0.0	5.1	10.3	15.4	20.7	27.0	33.3	39.5	45.7	53.0	60.1
72.5°	0.0	6.0	12.0	17.9	24.8	32.2	39.5	47.0	55.6	64.0	72.3
70°	0.0	6.8	13.6	20.5	28.9	37.3	45.7	55.6	65.3	75.0	87.6
67.5°	0.0	7.6	15.2	23.5	33.0	42.3	53.0	64.0	75.0	89.4	103.5
65°	0.0	8.4	16.8	26.5	36.9	47.8	60.1	72.3	87.6	103.5	119.4
62.5°	0.0	9.2	18.4	29.4	40.8	53.6	67.1	82.4	100.0	117.5	135.8
60°	0.0	9.9	19.9	32.3	44.6	59.3	73.9	93.0	112.1	132.0	151.8
57.5°	0.0	10.7	21.7	35.1	49.0	64.9	82.6	103.3	124.5	146.1	169.3
55°	0.0	11.4	23.5	37.8	53.4	70.3	91.2	113.4	136.8	160.5	187.3
52.5°	0.0	12.1	25.3	40.4	57.6	75.8	99.6	123.8	148.7	176.3	204.9
50°	0.0	12.8	27.0	42.9	61.6	82.6	107.8	133.9	160.9	191.6	222.7
47.5°	0.0	13.4	28.6	45.5	65.6	89.2	115.7	143.7	174.0	206.4	240.0
45°	0.0	14.1	30.2	48.3	69.4	95.5	123.7	153.1	186.7	221.3	256.7
42.5°	0.0	14.7	31.7	51.0	73.0	101.5	131.5	163.1	198.8	235.7	272.0
40°	0.0	15.2	33.1	53.6	77.0	107.2	138.8	173.2	210.7	249.5	286.7
37.5°	0.0	15.8	34.5	56.1	81.4	112.7	145.9	182.8	222.3	262.5	300.6
35°	0.0	16.3	35.8	58.4	85.5	118.1	152.5	192.0	233.3	274.3	313.9
32.5°	0.0	16.8	37.0	60.6	89.4	123.3	159.1	200.6	243.6	285.5	326.3
30°	0.0	17.2	38.1	62.6	93.0	128.1	165.9	208.7	253.3	295.9	338.0
27.5°	0.0	17.7	39.2	64.5	96.4	132.6	172.3	216.5	262.2	305.7	348.9
25°	0.0	18.0	40.1	66.3	99.5	136.8	178.1	223.7	270.1	314.6	358.9
22.5°	0.0	18.4	41.0	67.8	102.3	140.5	183.5	230.3	277.3	322.8	367.6
20°	0.0	18.7	41.8	69.3	104.8	143.9	188.3	236.3	283.8	330.2	375.5
17.5°	0.0	19.0	42.5	70.5	107.1	146.9	192.6	241.5	289.6	336.7	382.6
15°	0.0	19.2	43.1	71.6	109.0	149.6	196.3	246.1	294.7	342.5	388.7
12.5°	0.0	19.4	43.6	72.6	110.7	151.8	199.5	250.1	299.0	347.3	393.9
10°	0.0	19.6	44.0	73.3	112.1	153.6	202.1	253.3	302.5	351.3	398.2
7.5°	0.0	19.7	44.4	73.9	113.1	155.1	204.1	255.8	305.2	354.5	401.6
5°	0.0	19.8	44.6	74.4	113.9	156.1	205.5	257.6	307.2	356.7	404.0
2.5°	0.0	19.9	44.8	74.6	114.3	156.7	206.4	258.6	308.4	358.1	405.4
0°	0.0	19.9	44.8	74.7	114.5	156.9	206.7	259.0	308.8	358.5	405.9
-2.5°	0.0	19.9	44.8	74.6	114.3	156.7	206.4	258.6	308.4	358.1	405.4
-5°	0.0	19.8	44.6	74.4	113.9	156.1	205.5	257.6	307.2	356.7	404.0
-7.5°	0.0	19.7	44.4	73.9	113.1	155.1	204.1	255.8	305.2	354.5	401.6
-10°	0.0	19.6	44.0	73.3	112.1	153.6	202.1	253.3	302.5	351.3	398.2
-12.5°	0.0	19.4	43.6	72.6	110.7	151.8	199.5	250.1	299.0	347.3	393.9
-15°	0.0	19.2	43.1	71.6	109.0	149.6	196.3	246.1	294.7	342.5	388.7
-17.5°	0.0	19.0	42.5	70.5	107.1	146.9	192.6	241.5	289.6	336.7	382.6
-20°	0.0	18.7	41.8	69.3	104.8	143.9	188.3	236.3	283.8	330.2	375.5

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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.4	41.0	67.8	102.3	140.5	183.5	230.3	277.3	322.8	367.6
-25°	0.0	18.0	40.1	66.3	99.5	136.8	178.1	223.7	270.1	314.6	358.9
-27.5°	0.0	17.7	39.2	64.5	96.4	132.6	172.3	216.5	262.2	305.7	348.9
-30°	0.0	17.2	38.1	62.6	93.0	128.1	165.9	208.7	253.3	295.9	338.0
-32.5°	0.0	16.8	37.0	60.6	89.4	123.3	159.1	200.6	243.6	285.5	326.3
-35°	0.0	16.3	35.8	58.4	85.5	118.1	152.5	192.0	233.3	274.3	313.9
-37.5°	0.0	15.8	34.5	56.1	81.4	112.7	145.9	182.8	222.3	262.5	300.6
-40°	0.0	15.2	33.1	53.6	77.0	107.2	138.8	173.2	210.7	249.5	286.7
-42.5°	0.0	14.7	31.7	51.0	73.0	101.5	131.5	163.1	198.8	235.7	272.0
-45°	0.0	14.1	30.2	48.3	69.4	95.5	123.7	153.1	186.7	221.3	256.7
-47.5°	0.0	13.4	28.6	45.5	65.6	89.2	115.7	143.7	174.0	206.4	240.0
-50°	0.0	12.8	27.0	42.9	61.6	82.6	107.8	133.9	160.9	191.6	222.7
-52.5°	0.0	12.1	25.3	40.4	57.6	75.8	99.6	123.8	148.7	176.3	204.9
-55°	0.0	11.4	23.5	37.8	53.4	70.3	91.2	113.4	136.8	160.5	187.3
-57.5°	0.0	10.7	21.7	35.1	49.0	64.9	82.6	103.3	124.5	146.1	169.3
-60°	0.0	9.9	19.9	32.3	44.6	59.3	73.9	93.0	112.1	132.0	151.8
-62.5°	0.0	9.2	18.4	29.4	40.8	53.6	67.1	82.4	100.0	117.5	135.8
-65°	0.0	8.4	16.8	26.5	36.9	47.8	60.1	72.3	87.6	103.5	119.4
-67.5°	0.0	7.6	15.2	23.5	33.0	42.3	53.0	64.0	75.0	89.4	103.5
-70°	0.0	6.8	13.6	20.5	28.9	37.3	45.7	55.6	65.3	75.0	87.6
-72.5°	0.0	6.0	12.0	17.9	24.8	32.2	39.5	47.0	55.6	64.0	72.3
-75°	0.0	5.1	10.3	15.4	20.7	27.0	33.3	39.5	45.7	53.0	60.1
-77.5°	0.0	4.3	8.6	12.9	17.1	21.7	27.0	32.2	37.3	42.3	47.8
-80°	0.0	3.5	6.9	10.3	13.8	17.1	20.7	24.8	28.9	33.0	36.9
-82.5°	0.0	2.6	5.2	7.8	10.3	12.9	15.4	17.9	20.5	23.5	26.5
-85°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.6	15.2	16.8
-87.5°	0.0	0.9	1.7	2.6	3.5	4.3	5.1	6.0	6.8	7.6	8.4
-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°	9.2	9.9	10.7	11.4	12.1	12.8	13.4	14.1	14.7	15.2	15.8
85°	18.4	19.9	21.7	23.5	25.3	27.0	28.6	30.2	31.7	33.1	34.5
82.5°	29.4	32.3	35.1	37.8	40.4	42.9	45.5	48.3	51.0	53.6	56.1
80°	40.8	44.6	49.0	53.4	57.6	61.6	65.6	69.4	73.0	77.0	81.4
77.5°	53.6	59.3	64.9	70.3	75.8	82.6	89.2	95.5	101.5	107.2	112.7
75°	67.1	73.9	82.6	91.2	99.6	107.8	115.7	123.7	131.5	138.8	145.9
72.5°	82.4	93.0	103.3	113.4	123.8	133.9	143.7	153.1	163.1	173.2	182.8
70°	100.0	112.1	124.5	136.8	148.7	160.9	174.0	186.7	198.8	210.7	222.3
67.5°	117.5	132.0	146.1	160.5	176.3	191.6	206.4	221.3	235.7	249.5	262.5
65°	135.8	151.8	169.3	187.3	204.9	222.7	240.0	256.7	272.0	286.7	300.6
62.5°	153.7	173.8	194.0	214.2	234.4	254.1	272.5	290.0	306.9	323.0	338.4
60°	173.8	196.3	218.9	241.5	263.4	283.8	303.7	322.8	341.2	358.9	375.0
57.5°	194.0	218.9	243.9	268.0	290.7	312.9	334.3	355.1	374.4	392.7	410.3
55°	214.2	241.5	268.0	293.0	317.5	341.3	364.2	385.6	406.2	426.0	445.0
52.5°	234.4	263.4	290.7	317.5	343.6	368.7	392.3	415.3	437.5	457.9	475.2
50°	254.1	283.8	312.9	341.3	368.7	394.6	419.9	444.4	465.8	485.0	504.2
47.5°	272.5	303.7	334.3	364.2	392.3	419.9	446.7	469.7	491.0	512.7	533.8
45°	290.0	322.8	355.1	385.6	415.3	444.4	469.7	493.0	517.1	540.9	566.0
42.5°	306.9	341.2	374.4	406.2	437.5	465.8	491.0	517.1	543.4	571.0	596.9
40°	323.0	358.9	392.7	426.0	457.9	485.0	512.7	540.9	571.0	599.3	626.2
37.5°	338.4	375.0	410.3	445.0	475.2	504.2	533.8	566.0	596.9	626.2	660.5
35°	353.0	390.3	426.9	461.5	491.6	523.0	556.1	589.7	621.3	657.4	695.5
32.5°	366.5	404.8	442.7	476.0	508.1	541.5	577.6	611.5	648.3	688.3	732.0
30°	378.8	418.4	456.9	489.6	523.7	560.4	597.1	633.2	675.2	721.1	775.8
27.5°	390.3	431.0	468.5	502.8	538.7	578.1	615.2	656.9	703.2	755.1	822.0
25°	401.0	442.7	479.3	515.4	553.9	593.9	633.1	679.0	730.3	795.7	873.3
22.5°	410.7	453.4	489.2	526.8	567.9	608.3	652.0	701.9	759.6	833.8	923.1
20°	419.4	461.5	498.5	537.5	580.6	621.4	669.3	723.1	791.6	876.2	970.2
17.5°	427.2	468.8	507.0	547.9	591.4	634.3	685.1	742.2	820.5	914.5	1013.4
15°	434.1	475.2	514.4	556.9	600.9	646.8	700.5	764.7	849.2	948.8	1052.2
12.5°	439.9	480.6	520.7	564.7	608.9	657.5	713.8	784.8	876.1	979.4	1097.9
10°	444.6	485.0	525.9	571.1	615.6	666.3	724.7	801.5	898.4	1004.7	1135.9
7.5°	448.4	488.5	530.0	576.1	620.8	673.2	733.3	814.6	915.9	1024.7	1165.9
5°	451.1	491.0	533.0	579.7	624.5	678.2	739.5	824.0	928.5	1039.1	1187.6
2.5°	452.7	492.5	534.7	581.9	626.7	681.2	743.3	829.7	936.2	1047.8	1200.7
0°	453.2	493.0	535.3	582.6	627.5	682.2	744.5	831.6	938.7	1050.7	1205.1
-2.5°	452.7	492.5	534.7	581.9	626.7	681.2	743.3	829.7	936.2	1047.8	1200.7
-5°	451.1	491.0	533.0	579.7	624.5	678.2	739.5	824.0	928.5	1039.1	1187.6
-7.5°	448.4	488.5	530.0	576.1	620.8	673.2	733.3	814.6	915.9	1024.7	1165.9
-10°	444.6	485.0	525.9	571.1	615.6	666.3	724.7	801.5	898.4	1004.7	1135.9
-12.5°	439.9	480.6	520.7	564.7	608.9	657.5	713.8	784.8	876.1	979.4	1097.9
-15°	434.1	475.2	514.4	556.9	600.9	646.8	700.5	764.7	849.2	948.8	1052.2
-17.5°	427.2	468.8	507.0	547.9	591.4	634.3	685.1	742.2	820.5	914.5	1013.4
-20°	419.4	461.5	498.5	537.5	580.6	621.4	669.3	723.1	791.6	876.2	970.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	410.7	453.4	489.2	526.8	567.9	608.3	652.0	701.9	759.6	833.8	923.1
-25°	401.0	442.7	479.3	515.4	553.9	593.9	633.1	679.0	730.3	795.7	873.3
-27.5°	390.3	431.0	468.5	502.8	538.7	578.1	615.2	656.9	703.2	755.1	822.0
-30°	378.8	418.4	456.9	489.6	523.7	560.4	597.1	633.2	675.2	721.1	775.8
-32.5°	366.5	404.8	442.7	476.0	508.1	541.5	577.6	611.5	648.3	688.3	732.0
-35°	353.0	390.3	426.9	461.5	491.6	523.0	556.1	589.7	621.3	657.4	695.5
-37.5°	338.4	375.0	410.3	445.0	475.2	504.2	533.8	566.0	596.9	626.2	660.5
-40°	323.0	358.9	392.7	426.0	457.9	485.0	512.7	540.9	571.0	599.3	626.2
-42.5°	306.9	341.2	374.4	406.2	437.5	465.8	491.0	517.1	543.4	571.0	596.9
-45°	290.0	322.8	355.1	385.6	415.3	444.4	469.7	493.0	517.1	540.9	566.0
-47.5°	272.5	303.7	334.3	364.2	392.3	419.9	446.7	469.7	491.0	512.7	533.8
-50°	254.1	283.8	312.9	341.3	368.7	394.6	419.9	444.4	465.8	485.0	504.2
-52.5°	234.4	263.4	290.7	317.5	343.6	368.7	392.3	415.3	437.5	457.9	475.2
-55°	214.2	241.5	268.0	293.0	317.5	341.3	364.2	385.6	406.2	426.0	445.0
-57.5°	194.0	218.9	243.9	268.0	290.7	312.9	334.3	355.1	374.4	392.7	410.3
-60°	173.8	196.3	218.9	241.5	263.4	283.8	303.7	322.8	341.2	358.9	375.0
-62.5°	153.7	173.8	194.0	214.2	234.4	254.1	272.5	290.0	306.9	323.0	338.4
-65°	135.8	151.8	169.3	187.3	204.9	222.7	240.0	256.7	272.0	286.7	300.6
-67.5°	117.5	132.0	146.1	160.5	176.3	191.6	206.4	221.3	235.7	249.5	262.5
-70°	100.0	112.1	124.5	136.8	148.7	160.9	174.0	186.7	198.8	210.7	222.3
-72.5°	82.4	93.0	103.3	113.4	123.8	133.9	143.7	153.1	163.1	173.2	182.8
-75°	67.1	73.9	82.6	91.2	99.6	107.8	115.7	123.7	131.5	138.8	145.9
-77.5°	53.6	59.3	64.9	70.3	75.8	82.6	89.2	95.5	101.5	107.2	112.7
-80°	40.8	44.6	49.0	53.4	57.6	61.6	65.6	69.4	73.0	77.0	81.4
-82.5°	29.4	32.3	35.1	37.8	40.4	42.9	45.5	48.3	51.0	53.6	56.1
-85°	18.4	19.9	21.7	23.5	25.3	27.0	28.6	30.2	31.7	33.1	34.5
-87.5°	9.2	9.9	10.7	11.4	12.1	12.8	13.4	14.1	14.7	15.2	15.8
-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: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-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°	16.3	16.8	17.2	17.7	18.0	18.4	18.7	19.0	19.2	19.4	19.6
85°	35.8	37.0	38.1	39.2	40.1	41.0	41.8	42.5	43.1	43.6	44.0
82.5°	58.4	60.6	62.6	64.5	66.3	67.8	69.3	70.5	71.6	72.6	73.3
80°	85.5	89.4	93.0	96.4	99.5	102.3	104.8	107.1	109.0	110.7	112.1
77.5°	118.1	123.3	128.1	132.6	136.8	140.5	143.9	146.9	149.6	151.8	153.6
75°	152.5	159.1	165.9	172.3	178.1	183.5	188.3	192.6	196.3	199.5	202.1
72.5°	192.0	200.6	208.7	216.5	223.7	230.3	236.3	241.5	246.1	250.1	253.3
70°	233.3	243.6	253.3	262.2	270.1	277.3	283.8	289.6	294.7	299.0	302.5
67.5°	274.3	285.5	295.9	305.7	314.6	322.8	330.2	336.7	342.5	347.3	351.3
65°	313.9	326.3	338.0	348.9	358.9	367.6	375.5	382.6	388.7	393.9	398.2
62.5°	353.0	366.5	378.8	390.3	401.0	410.7	419.4	427.2	434.1	439.9	444.6
60°	390.3	404.8	418.4	431.0	442.7	453.4	461.5	468.8	475.2	480.6	485.0
57.5°	426.9	442.7	456.9	468.5	479.3	489.2	498.5	507.0	514.4	520.7	525.9
55°	461.5	476.0	489.6	502.8	515.4	526.8	537.5	547.9	556.9	564.7	571.1
52.5°	491.6	508.1	523.7	538.7	553.9	567.9	580.6	591.4	600.9	608.9	615.6
50°	523.0	541.5	560.4	578.1	593.9	608.3	621.4	634.3	646.8	657.5	666.3
47.5°	556.1	577.6	597.1	615.2	633.1	652.0	669.3	685.1	700.5	713.8	724.7
45°	589.7	611.5	633.2	656.9	679.0	701.9	723.1	742.2	764.7	784.8	801.5
42.5°	621.3	648.3	675.2	703.2	730.3	759.6	791.6	820.5	849.2	876.1	898.4
40°	657.4	688.3	721.1	755.1	795.7	833.8	876.2	914.5	948.8	979.4	1004.7
37.5°	695.5	732.0	775.8	822.0	873.3	923.1	970.2	1013.4	1052.2	1097.9	1135.9
35°	735.7	786.3	839.6	900.2	958.3	1014.1	1071.2	1135.6	1192.8	1260.5	1322.0
32.5°	786.3	846.2	913.8	980.2	1044.0	1124.0	1200.3	1301.2	1393.2	1492.0	1591.1
30°	839.6	913.8	987.5	1062.4	1156.3	1263.7	1385.5	1526.9	1674.5	1820.8	1991.3
27.5°	900.2	980.2	1062.4	1167.2	1297.2	1438.8	1632.2	1831.3	2083.5	2304.7	2614.9
25°	958.3	1044.0	1156.3	1297.2	1464.6	1685.9	1962.9	2265.2	2694.1	3096.4	3606.8
22.5°	1014.1	1124.0	1263.7	1438.8	1685.9	2007.3	2392.9	2936.0	3596.2	4339.1	5155.8
20°	1071.2	1200.3	1385.5	1632.2	1962.9	2392.9	3018.0	3887.1	4866.4	6192.6	7455.5
17.5°	1135.6	1301.2	1526.9	1831.3	2265.2	2936.0	3887.1	5119.9	6730.2	8752.1	10693.8
15°	1192.8	1393.2	1674.5	2083.5	2694.1	3596.2	4866.4	6730.2	9196.8	12067.4	15331.0
12.5°	1260.5	1492.0	1820.8	2304.7	3096.4	4339.1	6192.6	8752.1	12067.4	16123.7	21485.0
10°	1322.0	1591.1	1991.3	2614.9	3606.8	5155.8	7455.5	10693.8	15331.0	21485.0	29654.5
7.5°	1370.6	1669.7	2127.0	2863.3	4069.7	5991.8	8878.5	13045.1	18913.3	27196.9	38825.1
5°	1405.8	1726.7	2225.7	3044.6	4409.0	6608.1	9935.7	14853.7	22032.2	33324.7	50881.5
2.5°	1427.1	1761.2	2285.6	3155.0	4616.3	6986.2	10588.0	15979.0	23995.9	37254.5	58847.3
0°	1434.2	1772.8	2305.7	3192.1	4686.0	7113.7	10808.7	16361.3	24667.7	38613.7	61655.4
-2.5°	1427.1	1761.2	2285.6	3155.0	4616.3	6986.2	10588.0	15979.0	23995.9	37254.5	58847.3
-5°	1405.8	1726.7	2225.7	3044.6	4409.0	6608.1	9935.7	14853.7	22032.2	33324.7	50881.5
-7.5°	1370.6	1669.7	2127.0	2863.3	4069.7	5991.8	8878.5	13045.1	18913.3	27196.9	38825.1
-10°	1322.0	1591.1	1991.3	2614.9	3606.8	5155.8	7455.5	10693.8	15331.0	21485.0	29654.5
-12.5°	1260.5	1492.0	1820.8	2304.7	3096.4	4339.1	6192.6	8752.1	12067.4	16123.7	21485.0
-15°	1192.8	1393.2	1674.5	2083.5	2694.1	3596.2	4866.4	6730.2	9196.8	12067.4	15331.0
-17.5°	1135.6	1301.2	1526.9	1831.3	2265.2	2936.0	3887.1	5119.9	6730.2	8752.1	10693.8
-20°	1071.2	1200.3	1385.5	1632.2	1962.9	2392.9	3018.0	3887.1	4866.4	6192.6	7455.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1014.1	1124.0	1263.7	1438.8	1685.9	2007.3	2392.9	2936.0	3596.2	4339.1	5155.8
-25°	958.3	1044.0	1156.3	1297.2	1464.6	1685.9	1962.9	2265.2	2694.1	3096.4	3606.8
-27.5°	900.2	980.2	1062.4	1167.2	1297.2	1438.8	1632.2	1831.3	2083.5	2304.7	2614.9
-30°	839.6	913.8	987.5	1062.4	1156.3	1263.7	1385.5	1526.9	1674.5	1820.8	1991.3
-32.5°	786.3	846.2	913.8	980.2	1044.0	1124.0	1200.3	1301.2	1393.2	1492.0	1591.1
-35°	735.7	786.3	839.6	900.2	958.3	1014.1	1071.2	1135.6	1192.8	1260.5	1322.0
-37.5°	695.5	732.0	775.8	822.0	873.3	923.1	970.2	1013.4	1052.2	1097.9	1135.9
-40°	657.4	688.3	721.1	755.1	795.7	833.8	876.2	914.5	948.8	979.4	1004.7
-42.5°	621.3	648.3	675.2	703.2	730.3	759.6	791.6	820.5	849.2	876.1	898.4
-45°	589.7	611.5	633.2	656.9	679.0	701.9	723.1	742.2	764.7	784.8	801.5
-47.5°	556.1	577.6	597.1	615.2	633.1	652.0	669.3	685.1	700.5	713.8	724.7
-50°	523.0	541.5	560.4	578.1	593.9	608.3	621.4	634.3	646.8	657.5	666.3
-52.5°	491.6	508.1	523.7	538.7	553.9	567.9	580.6	591.4	600.9	608.9	615.6
-55°	461.5	476.0	489.6	502.8	515.4	526.8	537.5	547.9	556.9	564.7	571.1
-57.5°	426.9	442.7	456.9	468.5	479.3	489.2	498.5	507.0	514.4	520.7	525.9
-60°	390.3	404.8	418.4	431.0	442.7	453.4	461.5	468.8	475.2	480.6	485.0
-62.5°	353.0	366.5	378.8	390.3	401.0	410.7	419.4	427.2	434.1	439.9	444.6
-65°	313.9	326.3	338.0	348.9	358.9	367.6	375.5	382.6	388.7	393.9	398.2
-67.5°	274.3	285.5	295.9	305.7	314.6	322.8	330.2	336.7	342.5	347.3	351.3
-70°	233.3	243.6	253.3	262.2	270.1	277.3	283.8	289.6	294.7	299.0	302.5
-72.5°	192.0	200.6	208.7	216.5	223.7	230.3	236.3	241.5	246.1	250.1	253.3
-75°	152.5	159.1	165.9	172.3	178.1	183.5	188.3	192.6	196.3	199.5	202.1
-77.5°	118.1	123.3	128.1	132.6	136.8	140.5	143.9	146.9	149.6	151.8	153.6
-80°	85.5	89.4	93.0	96.4	99.5	102.3	104.8	107.1	109.0	110.7	112.1
-82.5°	58.4	60.6	62.6	64.5	66.3	67.8	69.3	70.5	71.6	72.6	73.3
-85°	35.8	37.0	38.1	39.2	40.1	41.0	41.8	42.5	43.1	43.6	44.0
-87.5°	16.3	16.8	17.2	17.7	18.0	18.4	18.7	19.0	19.2	19.4	19.6
-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: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-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°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.4	19.2	19.0
85°	44.4	44.6	44.8	44.8	44.8	44.6	44.4	44.0	43.6	43.1	42.5
82.5°	73.9	74.4	74.6	74.7	74.6	74.4	73.9	73.3	72.6	71.6	70.5
80°	113.1	113.9	114.3	114.5	114.3	113.9	113.1	112.1	110.7	109.0	107.1
77.5°	155.1	156.1	156.7	156.9	156.7	156.1	155.1	153.6	151.8	149.6	146.9
75°	204.1	205.5	206.4	206.7	206.4	205.5	204.1	202.1	199.5	196.3	192.6
72.5°	255.8	257.6	258.6	259.0	258.6	257.6	255.8	253.3	250.1	246.1	241.5
70°	305.2	307.2	308.4	308.8	308.4	307.2	305.2	302.5	299.0	294.7	289.6
67.5°	354.5	356.7	358.1	358.5	358.1	356.7	354.5	351.3	347.3	342.5	336.7
65°	401.6	404.0	405.4	405.9	405.4	404.0	401.6	398.2	393.9	388.7	382.6
62.5°	448.4	451.1	452.7	453.2	452.7	451.1	448.4	444.6	439.9	434.1	427.2
60°	488.5	491.0	492.5	493.0	492.5	491.0	488.5	485.0	480.6	475.2	468.8
57.5°	530.0	533.0	534.7	535.3	534.7	533.0	530.0	525.9	520.7	514.4	507.0
55°	576.1	579.7	581.9	582.6	581.9	579.7	576.1	571.1	564.7	556.9	547.9
52.5°	620.8	624.5	626.7	627.5	626.7	624.5	620.8	615.6	608.9	600.9	591.4
50°	673.2	678.2	681.2	682.2	681.2	678.2	673.2	666.3	657.5	646.8	634.3
47.5°	733.3	739.5	743.3	744.5	743.3	739.5	733.3	724.7	713.8	700.5	685.1
45°	814.6	824.0	829.7	831.6	829.7	824.0	814.6	801.5	784.8	764.7	742.2
42.5°	915.9	928.5	936.2	938.7	936.2	928.5	915.9	898.4	876.1	849.2	820.5
40°	1024.7	1039.1	1047.8	1050.7	1047.8	1039.1	1024.7	1004.7	979.4	948.8	914.5
37.5°	1165.9	1187.6	1200.7	1205.1	1200.7	1187.6	1165.9	1135.9	1097.9	1052.2	1013.4
35°	1370.6	1405.8	1427.1	1434.2	1427.1	1405.8	1370.6	1322.0	1260.5	1192.8	1135.6
32.5°	1669.7	1726.7	1761.2	1772.8	1761.2	1726.7	1669.7	1591.1	1492.0	1393.2	1301.2
30°	2127.0	2225.7	2285.6	2305.7	2285.6	2225.7	2127.0	1991.3	1820.8	1674.5	1526.9
27.5°	2863.3	3044.6	3155.0	3192.1	3155.0	3044.6	2863.3	2614.9	2304.7	2083.5	1831.3
25°	4069.7	4409.0	4616.3	4686.0	4616.3	4409.0	4069.7	3606.8	3096.4	2694.1	2265.2
22.5°	5991.8	6608.1	6986.2	7113.7	6986.2	6608.1	5991.8	5155.8	4339.1	3596.2	2936.0
20°	8878.5	9935.7	10588.0	10808.7	10588.0	9935.7	8878.5	7455.5	6192.6	4866.4	3887.1
17.5°	13045.1	14853.7	15979.0	16361.3	15979.0	14853.7	13045.1	10693.8	8752.1	6730.2	5119.9
15°	18913.3	22032.2	23995.9	24667.7	23995.9	22032.2	18913.3	15331.0	12067.4	9196.8	6730.2
12.5°	27196.9	33324.7	37254.5	38613.7	37254.5	33324.7	27196.9	21485.0	16123.7	12067.4	8752.1
10°	38825.1	50881.5	58847.3	61655.4	58847.3	50881.5	38825.1	29654.5	21485.0	15331.0	10693.8
7.5°	56204.6	76506.2	92977.2	99004.3	92977.2	76506.2	56204.6	38825.1	27196.9	18913.3	13045.1
5°	76506.2	107935.3	138386.7	150518.2	138386.7	107935.3	76506.2	50881.5	33324.7	22032.2	14853.7
2.5°	92977.2	138386.7	180115.0	201023.8	180115.0	138386.7	92977.2	58847.3	37254.5	23995.9	15979.0
0°	99004.3	150518.2	201023.8	222708.5	201023.8	150518.2	99004.3	61655.4	38613.7	24667.7	16361.3
-2.5°	92977.2	138386.7	180115.0	201023.8	180115.0	138386.7	92977.2	58847.3	37254.5	23995.9	15979.0
-5°	76506.2	107935.3	138386.7	150518.2	138386.7	107935.3	76506.2	50881.5	33324.7	22032.2	14853.7
-7.5°	56204.6	76506.2	92977.2	99004.3	92977.2	76506.2	56204.6	38825.1	27196.9	18913.3	13045.1
-10°	38825.1	50881.5	58847.3	61655.4	58847.3	50881.5	38825.1	29654.5	21485.0	15331.0	10693.8
-12.5°	27196.9	33324.7	37254.5	38613.7	37254.5	33324.7	27196.9	21485.0	16123.7	12067.4	8752.1
-15°	18913.3	22032.2	23995.9	24667.7	23995.9	22032.2	18913.3	15331.0	12067.4	9196.8	6730.2
-17.5°	13045.1	14853.7	15979.0	16361.3	15979.0	14853.7	13045.1	10693.8	8752.1	6730.2	5119.9
-20°	8878.5	9935.7	10588.0	10808.7	10588.0	9935.7	8878.5	7455.5	6192.6	4866.4	3887.1

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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REPORT NUMBER: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5991.8	6608.1	6986.2	7113.7	6986.2	6608.1	5991.8	5155.8	4339.1	3596.2	2936.0
-25°	4069.7	4409.0	4616.3	4686.0	4616.3	4409.0	4069.7	3606.8	3096.4	2694.1	2265.2
-27.5°	2863.3	3044.6	3155.0	3192.1	3155.0	3044.6	2863.3	2614.9	2304.7	2083.5	1831.3
-30°	2127.0	2225.7	2285.6	2305.7	2285.6	2225.7	2127.0	1991.3	1820.8	1674.5	1526.9
-32.5°	1669.7	1726.7	1761.2	1772.8	1761.2	1726.7	1669.7	1591.1	1492.0	1393.2	1301.2
-35°	1370.6	1405.8	1427.1	1434.2	1427.1	1405.8	1370.6	1322.0	1260.5	1192.8	1135.6
-37.5°	1165.9	1187.6	1200.7	1205.1	1200.7	1187.6	1165.9	1135.9	1097.9	1052.2	1013.4
-40°	1024.7	1039.1	1047.8	1050.7	1047.8	1039.1	1024.7	1004.7	979.4	948.8	914.5
-42.5°	915.9	928.5	936.2	938.7	936.2	928.5	915.9	898.4	876.1	849.2	820.5
-45°	814.6	824.0	829.7	831.6	829.7	824.0	814.6	801.5	784.8	764.7	742.2
-47.5°	733.3	739.5	743.3	744.5	743.3	739.5	733.3	724.7	713.8	700.5	685.1
-50°	673.2	678.2	681.2	682.2	681.2	678.2	673.2	666.3	657.5	646.8	634.3
-52.5°	620.8	624.5	626.7	627.5	626.7	624.5	620.8	615.6	608.9	600.9	591.4
-55°	576.1	579.7	581.9	582.6	581.9	579.7	576.1	571.1	564.7	556.9	547.9
-57.5°	530.0	533.0	534.7	535.3	534.7	533.0	530.0	525.9	520.7	514.4	507.0
-60°	488.5	491.0	492.5	493.0	492.5	491.0	488.5	485.0	480.6	475.2	468.8
-62.5°	448.4	451.1	452.7	453.2	452.7	451.1	448.4	444.6	439.9	434.1	427.2
-65°	401.6	404.0	405.4	405.9	405.4	404.0	401.6	398.2	393.9	388.7	382.6
-67.5°	354.5	356.7	358.1	358.5	358.1	356.7	354.5	351.3	347.3	342.5	336.7
-70°	305.2	307.2	308.4	308.8	308.4	307.2	305.2	302.5	299.0	294.7	289.6
-72.5°	255.8	257.6	258.6	259.0	258.6	257.6	255.8	253.3	250.1	246.1	241.5
-75°	204.1	205.5	206.4	206.7	206.4	205.5	204.1	202.1	199.5	196.3	192.6
-77.5°	155.1	156.1	156.7	156.9	156.7	156.1	155.1	153.6	151.8	149.6	146.9
-80°	113.1	113.9	114.3	114.5	114.3	113.9	113.1	112.1	110.7	109.0	107.1
-82.5°	73.9	74.4	74.6	74.7	74.6	74.4	73.9	73.3	72.6	71.6	70.5
-85°	44.4	44.6	44.8	44.8	44.8	44.6	44.4	44.0	43.6	43.1	42.5
-87.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.4	19.2	19.0
-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: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-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°	18.7	18.4	18.0	17.7	17.2	16.8	16.3	15.8	15.2	14.7	14.1
85°	41.8	41.0	40.1	39.2	38.1	37.0	35.8	34.5	33.1	31.7	30.2
82.5°	69.3	67.8	66.3	64.5	62.6	60.6	58.4	56.1	53.6	51.0	48.3
80°	104.8	102.3	99.5	96.4	93.0	89.4	85.5	81.4	77.0	73.0	69.4
77.5°	143.9	140.5	136.8	132.6	128.1	123.3	118.1	112.7	107.2	101.5	95.5
75°	188.3	183.5	178.1	172.3	165.9	159.1	152.5	145.9	138.8	131.5	123.7
72.5°	236.3	230.3	223.7	216.5	208.7	200.6	192.0	182.8	173.2	163.1	153.1
70°	283.8	277.3	270.1	262.2	253.3	243.6	233.3	222.3	210.7	198.8	186.7
67.5°	330.2	322.8	314.6	305.7	295.9	285.5	274.3	262.5	249.5	235.7	221.3
65°	375.5	367.6	358.9	348.9	338.0	326.3	313.9	300.6	286.7	272.0	256.7
62.5°	419.4	410.7	401.0	390.3	378.8	366.5	353.0	338.4	323.0	306.9	290.0
60°	461.5	453.4	442.7	431.0	418.4	404.8	390.3	375.0	358.9	341.2	322.8
57.5°	498.5	489.2	479.3	468.5	456.9	442.7	426.9	410.3	392.7	374.4	355.1
55°	537.5	526.8	515.4	502.8	489.6	476.0	461.5	445.0	426.0	406.2	385.6
52.5°	580.6	567.9	553.9	538.7	523.7	508.1	491.6	475.2	457.9	437.5	415.3
50°	621.4	608.3	593.9	578.1	560.4	541.5	523.0	504.2	485.0	465.8	444.4
47.5°	669.3	652.0	633.1	615.2	597.1	577.6	556.1	533.8	512.7	491.0	469.7
45°	723.1	701.9	679.0	656.9	633.2	611.5	589.7	566.0	540.9	517.1	493.0
42.5°	791.6	759.6	730.3	703.2	675.2	648.3	621.3	596.9	571.0	543.4	517.1
40°	876.2	833.8	795.7	755.1	721.1	688.3	657.4	626.2	599.3	571.0	540.9
37.5°	970.2	923.1	873.3	822.0	775.8	732.0	695.5	660.5	626.2	596.9	566.0
35°	1071.2	1014.1	958.3	900.2	839.6	786.3	735.7	695.5	657.4	621.3	589.7
32.5°	1200.3	1124.0	1044.0	980.2	913.8	846.2	786.3	732.0	688.3	648.3	611.5
30°	1385.5	1263.7	1156.3	1062.4	987.5	913.8	839.6	775.8	721.1	675.2	633.2
27.5°	1632.2	1438.8	1297.2	1167.2	1062.4	980.2	900.2	822.0	755.1	703.2	656.9
25°	1962.9	1685.9	1464.6	1297.2	1156.3	1044.0	958.3	873.3	795.7	730.3	679.0
22.5°	2392.9	2007.3	1685.9	1438.8	1263.7	1124.0	1014.1	923.1	833.8	759.6	701.9
20°	3018.0	2392.9	1962.9	1632.2	1385.5	1200.3	1071.2	970.2	876.2	791.6	723.1
17.5°	3887.1	2936.0	2265.2	1831.3	1526.9	1301.2	1135.6	1013.4	914.5	820.5	742.2
15°	4866.4	3596.2	2694.1	2083.5	1674.5	1393.2	1192.8	1052.2	948.8	849.2	764.7
12.5°	6192.6	4339.1	3096.4	2304.7	1820.8	1492.0	1260.5	1097.9	979.4	876.1	784.8
10°	7455.5	5155.8	3606.8	2614.9	1991.3	1591.1	1322.0	1135.9	1004.7	898.4	801.5
7.5°	8878.5	5991.8	4069.7	2863.3	2127.0	1669.7	1370.6	1165.9	1024.7	915.9	814.6
5°	9935.7	6608.1	4409.0	3044.6	2225.7	1726.7	1405.8	1187.6	1039.1	928.5	824.0
2.5°	10588.0	6986.2	4616.3	3155.0	2285.6	1761.2	1427.1	1200.7	1047.8	936.2	829.7
0°	10808.7	7113.7	4686.0	3192.1	2305.7	1772.8	1434.2	1205.1	1050.7	938.7	831.6
-2.5°	10588.0	6986.2	4616.3	3155.0	2285.6	1761.2	1427.1	1200.7	1047.8	936.2	829.7
-5°	9935.7	6608.1	4409.0	3044.6	2225.7	1726.7	1405.8	1187.6	1039.1	928.5	824.0
-7.5°	8878.5	5991.8	4069.7	2863.3	2127.0	1669.7	1370.6	1165.9	1024.7	915.9	814.6
-10°	7455.5	5155.8	3606.8	2614.9	1991.3	1591.1	1322.0	1135.9	1004.7	898.4	801.5
-12.5°	6192.6	4339.1	3096.4	2304.7	1820.8	1492.0	1260.5	1097.9	979.4	876.1	784.8
-15°	4866.4	3596.2	2694.1	2083.5	1674.5	1393.2	1192.8	1052.2	948.8	849.2	764.7
-17.5°	3887.1	2936.0	2265.2	1831.3	1526.9	1301.2	1135.6	1013.4	914.5	820.5	742.2
-20°	3018.0	2392.9	1962.9	1632.2	1385.5	1200.3	1071.2	970.2	876.2	791.6	723.1

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REPORT NUMBER: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2392.9	2007.3	1685.9	1438.8	1263.7	1124.0	1014.1	923.1	833.8	759.6	701.9
-25°	1962.9	1685.9	1464.6	1297.2	1156.3	1044.0	958.3	873.3	795.7	730.3	679.0
-27.5°	1632.2	1438.8	1297.2	1167.2	1062.4	980.2	900.2	822.0	755.1	703.2	656.9
-30°	1385.5	1263.7	1156.3	1062.4	987.5	913.8	839.6	775.8	721.1	675.2	633.2
-32.5°	1200.3	1124.0	1044.0	980.2	913.8	846.2	786.3	732.0	688.3	648.3	611.5
-35°	1071.2	1014.1	958.3	900.2	839.6	786.3	735.7	695.5	657.4	621.3	589.7
-37.5°	970.2	923.1	873.3	822.0	775.8	732.0	695.5	660.5	626.2	596.9	566.0
-40°	876.2	833.8	795.7	755.1	721.1	688.3	657.4	626.2	599.3	571.0	540.9
-42.5°	791.6	759.6	730.3	703.2	675.2	648.3	621.3	596.9	571.0	543.4	517.1
-45°	723.1	701.9	679.0	656.9	633.2	611.5	589.7	566.0	540.9	517.1	493.0
-47.5°	669.3	652.0	633.1	615.2	597.1	577.6	556.1	533.8	512.7	491.0	469.7
-50°	621.4	608.3	593.9	578.1	560.4	541.5	523.0	504.2	485.0	465.8	444.4
-52.5°	580.6	567.9	553.9	538.7	523.7	508.1	491.6	475.2	457.9	437.5	415.3
-55°	537.5	526.8	515.4	502.8	489.6	476.0	461.5	445.0	426.0	406.2	385.6
-57.5°	498.5	489.2	479.3	468.5	456.9	442.7	426.9	410.3	392.7	374.4	355.1
-60°	461.5	453.4	442.7	431.0	418.4	404.8	390.3	375.0	358.9	341.2	322.8
-62.5°	419.4	410.7	401.0	390.3	378.8	366.5	353.0	338.4	323.0	306.9	290.0
-65°	375.5	367.6	358.9	348.9	338.0	326.3	313.9	300.6	286.7	272.0	256.7
-67.5°	330.2	322.8	314.6	305.7	295.9	285.5	274.3	262.5	249.5	235.7	221.3
-70°	283.8	277.3	270.1	262.2	253.3	243.6	233.3	222.3	210.7	198.8	186.7
-72.5°	236.3	230.3	223.7	216.5	208.7	200.6	192.0	182.8	173.2	163.1	153.1
-75°	188.3	183.5	178.1	172.3	165.9	159.1	152.5	145.9	138.8	131.5	123.7
-77.5°	143.9	140.5	136.8	132.6	128.1	123.3	118.1	112.7	107.2	101.5	95.5
-80°	104.8	102.3	99.5	96.4	93.0	89.4	85.5	81.4	77.0	73.0	69.4
-82.5°	69.3	67.8	66.3	64.5	62.6	60.6	58.4	56.1	53.6	51.0	48.3
-85°	41.8	41.0	40.1	39.2	38.1	37.0	35.8	34.5	33.1	31.7	30.2
-87.5°	18.7	18.4	18.0	17.7	17.2	16.8	16.3	15.8	15.2	14.7	14.1
-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: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-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°	13.4	12.8	12.1	11.4	10.7	9.9	9.2	8.4	7.6	6.8	6.0
85°	28.6	27.0	25.3	23.5	21.7	19.9	18.4	16.8	15.2	13.6	12.0
82.5°	45.5	42.9	40.4	37.8	35.1	32.3	29.4	26.5	23.5	20.5	17.9
80°	65.6	61.6	57.6	53.4	49.0	44.6	40.8	36.9	33.0	28.9	24.8
77.5°	89.2	82.6	75.8	70.3	64.9	59.3	53.6	47.8	42.3	37.3	32.2
75°	115.7	107.8	99.6	91.2	82.6	73.9	67.1	60.1	53.0	45.7	39.5
72.5°	143.7	133.9	123.8	113.4	103.3	93.0	82.4	72.3	64.0	55.6	47.0
70°	174.0	160.9	148.7	136.8	124.5	112.1	100.0	87.6	75.0	65.3	55.6
67.5°	206.4	191.6	176.3	160.5	146.1	132.0	117.5	103.5	89.4	75.0	64.0
65°	240.0	222.7	204.9	187.3	169.3	151.8	135.8	119.4	103.5	87.6	72.3
62.5°	272.5	254.1	234.4	214.2	194.0	173.8	153.7	135.8	117.5	100.0	82.4
60°	303.7	283.8	263.4	241.5	218.9	196.3	173.8	151.8	132.0	112.1	93.0
57.5°	334.3	312.9	290.7	268.0	243.9	218.9	194.0	169.3	146.1	124.5	103.3
55°	364.2	341.3	317.5	293.0	268.0	241.5	214.2	187.3	160.5	136.8	113.4
52.5°	392.3	368.7	343.6	317.5	290.7	263.4	234.4	204.9	176.3	148.7	123.8
50°	419.9	394.6	368.7	341.3	312.9	283.8	254.1	222.7	191.6	160.9	133.9
47.5°	446.7	419.9	392.3	364.2	334.3	303.7	272.5	240.0	206.4	174.0	143.7
45°	469.7	444.4	415.3	385.6	355.1	322.8	290.0	256.7	221.3	186.7	153.1
42.5°	491.0	465.8	437.5	406.2	374.4	341.2	306.9	272.0	235.7	198.8	163.1
40°	512.7	485.0	457.9	426.0	392.7	358.9	323.0	286.7	249.5	210.7	173.2
37.5°	533.8	504.2	475.2	445.0	410.3	375.0	338.4	300.6	262.5	222.3	182.8
35°	556.1	523.0	491.6	461.5	426.9	390.3	353.0	313.9	274.3	233.3	192.0
32.5°	577.6	541.5	508.1	476.0	442.7	404.8	366.5	326.3	285.5	243.6	200.6
30°	597.1	560.4	523.7	489.6	456.9	418.4	378.8	338.0	295.9	253.3	208.7
27.5°	615.2	578.1	538.7	502.8	468.5	431.0	390.3	348.9	305.7	262.2	216.5
25°	633.1	593.9	553.9	515.4	479.3	442.7	401.0	358.9	314.6	270.1	223.7
22.5°	652.0	608.3	567.9	526.8	489.2	453.4	410.7	367.6	322.8	277.3	230.3
20°	669.3	621.4	580.6	537.5	498.5	461.5	419.4	375.5	330.2	283.8	236.3
17.5°	685.1	634.3	591.4	547.9	507.0	468.8	427.2	382.6	336.7	289.6	241.5
15°	700.5	646.8	600.9	556.9	514.4	475.2	434.1	388.7	342.5	294.7	246.1
12.5°	713.8	657.5	608.9	564.7	520.7	480.6	439.9	393.9	347.3	299.0	250.1
10°	724.7	666.3	615.6	571.1	525.9	485.0	444.6	398.2	351.3	302.5	253.3
7.5°	733.3	673.2	620.8	576.1	530.0	488.5	448.4	401.6	354.5	305.2	255.8
5°	739.5	678.2	624.5	579.7	533.0	491.0	451.1	404.0	356.7	307.2	257.6
2.5°	743.3	681.2	626.7	581.9	534.7	492.5	452.7	405.4	358.1	308.4	258.6
0°	744.5	682.2	627.5	582.6	535.3	493.0	453.2	405.9	358.5	308.8	259.0
-2.5°	743.3	681.2	626.7	581.9	534.7	492.5	452.7	405.4	358.1	308.4	258.6
-5°	739.5	678.2	624.5	579.7	533.0	491.0	451.1	404.0	356.7	307.2	257.6
-7.5°	733.3	673.2	620.8	576.1	530.0	488.5	448.4	401.6	354.5	305.2	255.8
-10°	724.7	666.3	615.6	571.1	525.9	485.0	444.6	398.2	351.3	302.5	253.3
-12.5°	713.8	657.5	608.9	564.7	520.7	480.6	439.9	393.9	347.3	299.0	250.1
-15°	700.5	646.8	600.9	556.9	514.4	475.2	434.1	388.7	342.5	294.7	246.1
-17.5°	685.1	634.3	591.4	547.9	507.0	468.8	427.2	382.6	336.7	289.6	241.5
-20°	669.3	621.4	580.6	537.5	498.5	461.5	419.4	375.5	330.2	283.8	236.3

Classified

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



REPORT NUMBER: P624757 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	652.0	608.3	567.9	526.8	489.2	453.4	410.7	367.6	322.8	277.3	230.3
-25°	633.1	593.9	553.9	515.4	479.3	442.7	401.0	358.9	314.6	270.1	223.7
-27.5°	615.2	578.1	538.7	502.8	468.5	431.0	390.3	348.9	305.7	262.2	216.5
-30°	597.1	560.4	523.7	489.6	456.9	418.4	378.8	338.0	295.9	253.3	208.7
-32.5°	577.6	541.5	508.1	476.0	442.7	404.8	366.5	326.3	285.5	243.6	200.6
-35°	556.1	523.0	491.6	461.5	426.9	390.3	353.0	313.9	274.3	233.3	192.0
-37.5°	533.8	504.2	475.2	445.0	410.3	375.0	338.4	300.6	262.5	222.3	182.8
-40°	512.7	485.0	457.9	426.0	392.7	358.9	323.0	286.7	249.5	210.7	173.2
-42.5°	491.0	465.8	437.5	406.2	374.4	341.2	306.9	272.0	235.7	198.8	163.1
-45°	469.7	444.4	415.3	385.6	355.1	322.8	290.0	256.7	221.3	186.7	153.1
-47.5°	446.7	419.9	392.3	364.2	334.3	303.7	272.5	240.0	206.4	174.0	143.7
-50°	419.9	394.6	368.7	341.3	312.9	283.8	254.1	222.7	191.6	160.9	133.9
-52.5°	392.3	368.7	343.6	317.5	290.7	263.4	234.4	204.9	176.3	148.7	123.8
-55°	364.2	341.3	317.5	293.0	268.0	241.5	214.2	187.3	160.5	136.8	113.4
-57.5°	334.3	312.9	290.7	268.0	243.9	218.9	194.0	169.3	146.1	124.5	103.3
-60°	303.7	283.8	263.4	241.5	218.9	196.3	173.8	151.8	132.0	112.1	93.0
-62.5°	272.5	254.1	234.4	214.2	194.0	173.8	153.7	135.8	117.5	100.0	82.4
-65°	240.0	222.7	204.9	187.3	169.3	151.8	135.8	119.4	103.5	87.6	72.3
-67.5°	206.4	191.6	176.3	160.5	146.1	132.0	117.5	103.5	89.4	75.0	64.0
-70°	174.0	160.9	148.7	136.8	124.5	112.1	100.0	87.6	75.0	65.3	55.6
-72.5°	143.7	133.9	123.8	113.4	103.3	93.0	82.4	72.3	64.0	55.6	47.0
-75°	115.7	107.8	99.6	91.2	82.6	73.9	67.1	60.1	53.0	45.7	39.5
-77.5°	89.2	82.6	75.8	70.3	64.9	59.3	53.6	47.8	42.3	37.3	32.2
-80°	65.6	61.6	57.6	53.4	49.0	44.6	40.8	36.9	33.0	28.9	24.8
-82.5°	45.5	42.9	40.4	37.8	35.1	32.3	29.4	26.5	23.5	20.5	17.9
-85°	28.6	27.0	25.3	23.5	21.7	19.9	18.4	16.8	15.2	13.6	12.0
-87.5°	13.4	12.8	12.1	11.4	10.7	9.9	9.2	8.4	7.6	6.8	6.0
-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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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-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°	5.1	4.3	3.5	2.6	1.7	0.9	0.0
85°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
82.5°	15.4	12.9	10.3	7.8	5.2	2.6	0.0
80°	20.7	17.1	13.8	10.3	6.9	3.5	0.0
77.5°	27.0	21.7	17.1	12.9	8.6	4.3	0.0
75°	33.3	27.0	20.7	15.4	10.3	5.1	0.0
72.5°	39.5	32.2	24.8	17.9	12.0	6.0	0.0
70°	45.7	37.3	28.9	20.5	13.6	6.8	0.0
67.5°	53.0	42.3	33.0	23.5	15.2	7.6	0.0
65°	60.1	47.8	36.9	26.5	16.8	8.4	0.0
62.5°	67.1	53.6	40.8	29.4	18.4	9.2	0.0
60°	73.9	59.3	44.6	32.3	19.9	9.9	0.0
57.5°	82.6	64.9	49.0	35.1	21.7	10.7	0.0
55°	91.2	70.3	53.4	37.8	23.5	11.4	0.0
52.5°	99.6	75.8	57.6	40.4	25.3	12.1	0.0
50°	107.8	82.6	61.6	42.9	27.0	12.8	0.0
47.5°	115.7	89.2	65.6	45.5	28.6	13.4	0.0
45°	123.7	95.5	69.4	48.3	30.2	14.1	0.0
42.5°	131.5	101.5	73.0	51.0	31.7	14.7	0.0
40°	138.8	107.2	77.0	53.6	33.1	15.2	0.0
37.5°	145.9	112.7	81.4	56.1	34.5	15.8	0.0
35°	152.5	118.1	85.5	58.4	35.8	16.3	0.0
32.5°	159.1	123.3	89.4	60.6	37.0	16.8	0.0
30°	165.9	128.1	93.0	62.6	38.1	17.2	0.0
27.5°	172.3	132.6	96.4	64.5	39.2	17.7	0.0
25°	178.1	136.8	99.5	66.3	40.1	18.0	0.0
22.5°	183.5	140.5	102.3	67.8	41.0	18.4	0.0
20°	188.3	143.9	104.8	69.3	41.8	18.7	0.0
17.5°	192.6	146.9	107.1	70.5	42.5	19.0	0.0
15°	196.3	149.6	109.0	71.6	43.1	19.2	0.0
12.5°	199.5	151.8	110.7	72.6	43.6	19.4	0.0
10°	202.1	153.6	112.1	73.3	44.0	19.6	0.0
7.5°	204.1	155.1	113.1	73.9	44.4	19.7	0.0
5°	205.5	156.1	113.9	74.4	44.6	19.8	0.0
2.5°	206.4	156.7	114.3	74.6	44.8	19.9	0.0
0°	206.7	156.9	114.5	74.7	44.8	19.9	0.0
-2.5°	206.4	156.7	114.3	74.6	44.8	19.9	0.0
-5°	205.5	156.1	113.9	74.4	44.6	19.8	0.0
-7.5°	204.1	155.1	113.1	73.9	44.4	19.7	0.0
-10°	202.1	153.6	112.1	73.3	44.0	19.6	0.0
-12.5°	199.5	151.8	110.7	72.6	43.6	19.4	0.0
-15°	196.3	149.6	109.0	71.6	43.1	19.2	0.0
-17.5°	192.6	146.9	107.1	70.5	42.5	19.0	0.0
-20°	188.3	143.9	104.8	69.3	41.8	18.7	0.0

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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-33

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	183.5	140.5	102.3	67.8	41.0	18.4	0.0
-25°	178.1	136.8	99.5	66.3	40.1	18.0	0.0
-27.5°	172.3	132.6	96.4	64.5	39.2	17.7	0.0
-30°	165.9	128.1	93.0	62.6	38.1	17.2	0.0
-32.5°	159.1	123.3	89.4	60.6	37.0	16.8	0.0
-35°	152.5	118.1	85.5	58.4	35.8	16.3	0.0
-37.5°	145.9	112.7	81.4	56.1	34.5	15.8	0.0
-40°	138.8	107.2	77.0	53.6	33.1	15.2	0.0
-42.5°	131.5	101.5	73.0	51.0	31.7	14.7	0.0
-45°	123.7	95.5	69.4	48.3	30.2	14.1	0.0
-47.5°	115.7	89.2	65.6	45.5	28.6	13.4	0.0
-50°	107.8	82.6	61.6	42.9	27.0	12.8	0.0
-52.5°	99.6	75.8	57.6	40.4	25.3	12.1	0.0
-55°	91.2	70.3	53.4	37.8	23.5	11.4	0.0
-57.5°	82.6	64.9	49.0	35.1	21.7	10.7	0.0
-60°	73.9	59.3	44.6	32.3	19.9	9.9	0.0
-62.5°	67.1	53.6	40.8	29.4	18.4	9.2	0.0
-65°	60.1	47.8	36.9	26.5	16.8	8.4	0.0
-67.5°	53.0	42.3	33.0	23.5	15.2	7.6	0.0
-70°	45.7	37.3	28.9	20.5	13.6	6.8	0.0
-72.5°	39.5	32.2	24.8	17.9	12.0	6.0	0.0
-75°	33.3	27.0	20.7	15.4	10.3	5.1	0.0
-77.5°	27.0	21.7	17.1	12.9	8.6	4.3	0.0
-80°	20.7	17.1	13.8	10.3	6.9	3.5	0.0
-82.5°	15.4	12.9	10.3	7.8	5.2	2.6	0.0
-85°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
-87.5°	5.1	4.3	3.5	2.6	1.7	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)