

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: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-5700K-22**

Issue Date: 11/8/2022



**Test Information**

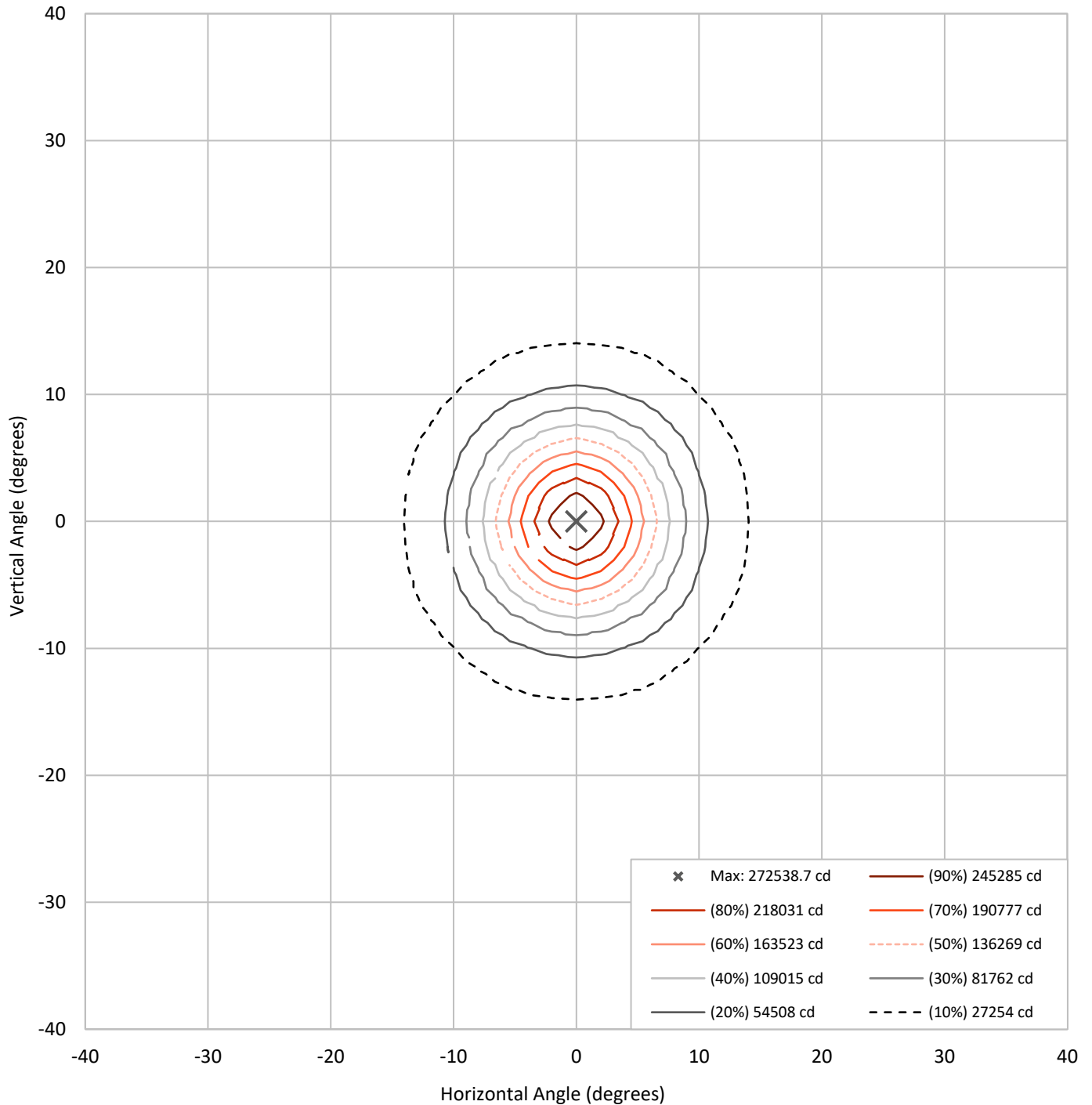
Test Method: LM-79-08  
Report Number: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-VN-04-E-PRO-5700K-22  
Description: EPHEBUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 22 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	23190.6 lumens	Max Intensity:	272538.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	122.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	13°H x 13°V	Field Angle (10%):	28.1°H x 28.1°V
Beam Lumens:	8266.6 lumens	Field Lumens:	16402.6 lumens
Beam Efficiency:	35.6%	Field Efficiency:	70.7%
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		

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### Iso-Candela Plot





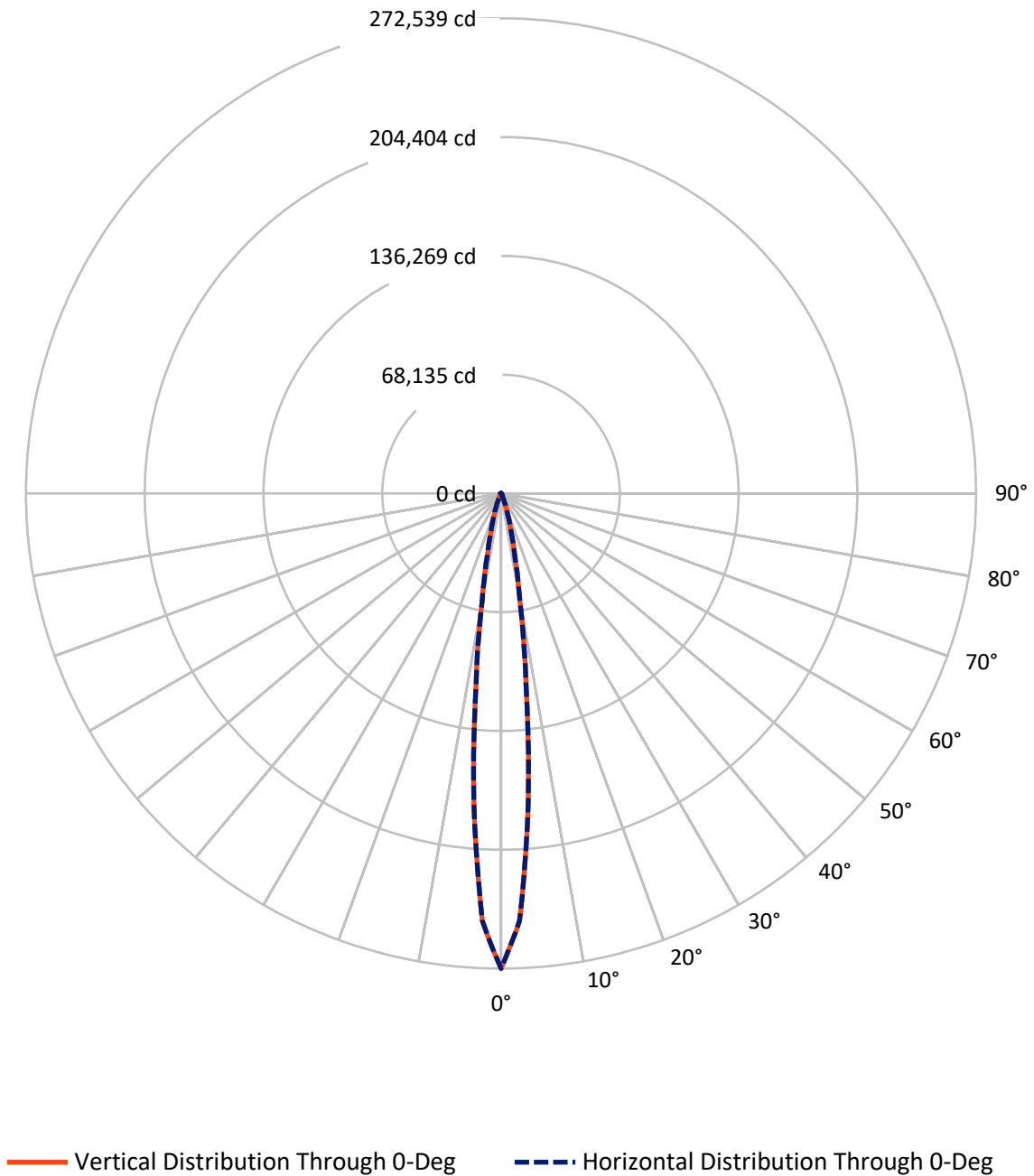
REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90	0.4	3.1		8.4		13.7		15.8		13.7		8.4		3.1		0.4			
80	0.4	3.1		8.4		13.7		15.8		13.7		8.4		3.1		0.4			
70	1.4	1.6	3.4	5.6	7.8	9.8	11.2	11.9	11.9	11.2	9.8	7.8	5.6	3.4	1.6	1.4			
60		2.5	5.2	8.2	10.9	13.0	14.4	15.2	15.2	14.4	13.0	10.9	8.2	5.2	2.5				
50	2.6	3.4	6.6	9.9	12.6	15.2	17.7	19.3	19.3	17.7	15.2	12.6	9.9	6.6	3.4	2.6			
40		4.1	7.6	10.9	14.6	19.6	24.5	27.8	27.8	24.5	19.6	14.6	10.9	7.6	4.1				
30	3.5	4.6	8.2	11.9	17.7	26.0	45.8	85.5	85.5	45.8	26.0	17.7	11.9	8.2	4.6	3.5			
20		4.9	8.6	13.0	20.9	43.2	214.3	652.3	652.3	214.3	43.2	20.9	13.0	8.6	4.9				
10	3.8	5.1	8.8	13.7	22.9	78.6	636.1	3517.9	3517.9	636.1	78.6	22.9	13.7	8.8	5.1	3.8			
0		5.1	8.8	13.7	22.9	78.6	636.1	3517.9	3517.9	636.1	78.6	22.9	13.7	8.8	5.1				
-10	3.5	4.9	8.6	13.0	20.9	43.2	214.3	652.3	652.3	214.3	43.2	20.9	13.0	8.6	4.9	3.5			
-20		4.6	8.2	11.9	17.7	26.0	45.8	85.5	85.5	45.8	26.0	17.7	11.9	8.2	4.6				
-30	2.6	4.1	7.6	10.9	14.6	19.6	24.5	27.8	27.8	24.5	19.6	14.6	10.9	7.6	4.1	2.6			
-40		3.4	6.6	9.9	12.6	15.2	17.7	19.3	19.3	17.7	15.2	12.6	9.9	6.6	3.4				
-50	1.4	2.5	5.2	8.2	10.9	13.0	14.4	15.2	15.2	14.4	13.0	10.9	8.2	5.2	2.5	1.4			
-60		1.6	3.4	5.6	7.8	9.8	11.2	11.9	11.9	11.2	9.8	7.8	5.6	3.4	1.6				
-70	0.4	3.1		8.4		13.7		15.8		13.7		8.4		3.1		0.4			
-80		3.1		8.4		13.7		15.8		13.7		8.4		3.1					
-90	0.4	3.1		8.4		13.7		15.8		13.7		8.4		3.1		0.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

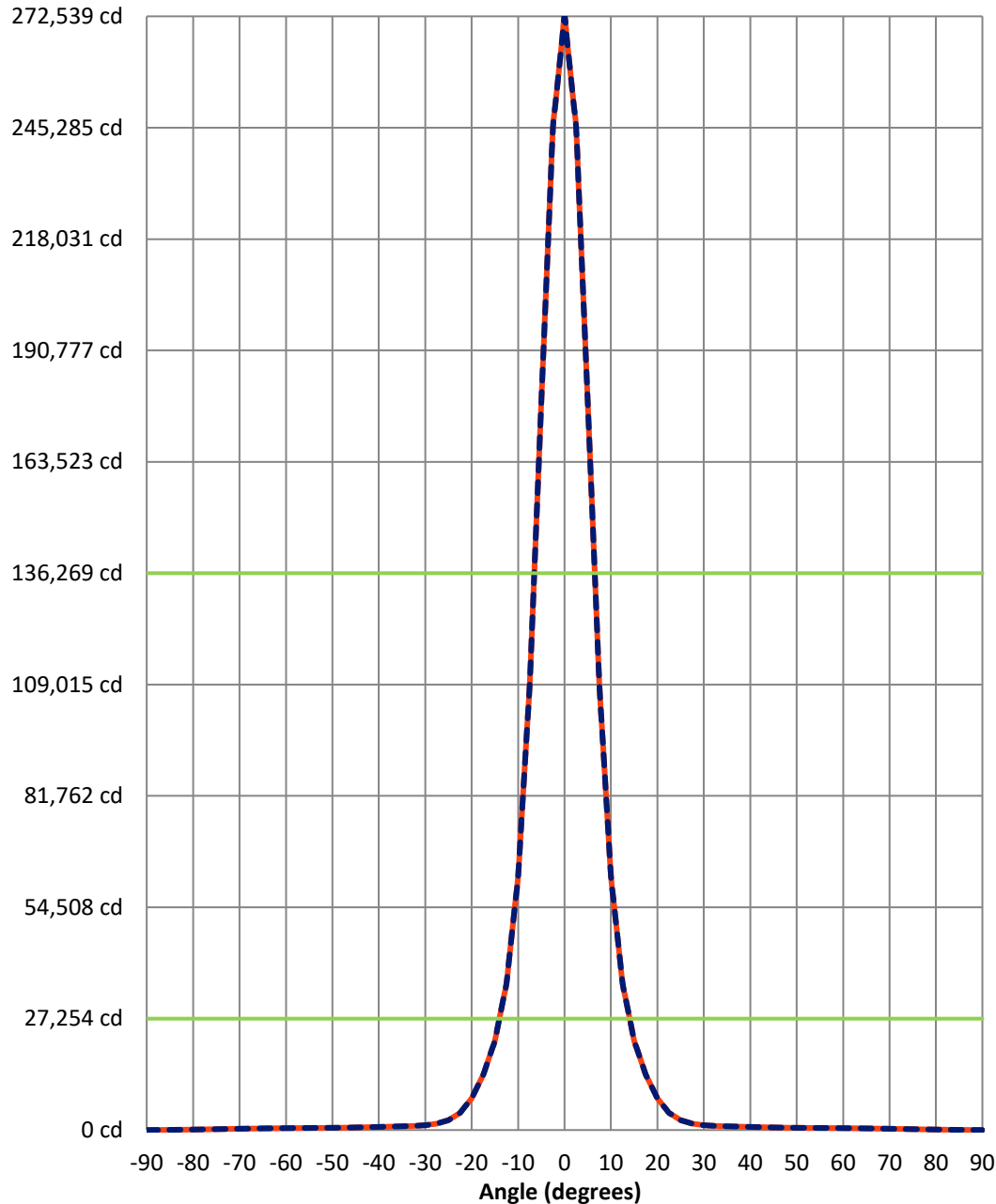
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13°  
 V Angle: 13°  
 Lumens: 8266.6  
 Efficiency: 35.6%

**Field:**  
 H Angle: 28.1°  
 V Angle: 28.1°  
 Lumens: 16402.6  
 Efficiency: 70.7%

**Spill:**  
 Lumens: 6788  
 Efficiency: 29.3%

— 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	3.4	4.2	5.1	5.9	6.7	7.5	8.3
85°	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.4	15.0	16.5
82.5°	0.0	2.6	5.1	7.7	10.2	12.7	15.2	17.6	20.2	23.2	26.1
80°	0.0	3.4	6.8	10.2	13.5	16.9	20.3	24.5	28.5	32.5	36.4
77.5°	0.0	4.2	8.5	12.7	16.9	21.4	26.6	31.7	36.8	41.8	47.4
75°	0.0	5.1	10.1	15.2	20.3	26.6	32.8	38.9	45.2	52.9	60.5
72.5°	0.0	5.9	11.8	17.6	24.5	31.7	38.9	46.6	55.7	64.7	73.6
70°	0.0	6.7	13.4	20.2	28.5	36.8	45.2	55.7	66.1	76.4	89.7
67.5°	0.0	7.5	15.0	23.2	32.5	41.8	52.9	64.7	76.4	91.5	106.3
65°	0.0	8.3	16.5	26.1	36.4	47.4	60.5	73.6	89.7	106.3	123.0
62.5°	0.0	9.0	18.1	29.0	40.3	53.6	68.0	84.1	102.6	121.0	140.1
60°	0.0	9.8	19.6	31.8	44.0	59.7	75.3	95.3	115.3	136.1	156.8
57.5°	0.0	10.5	21.4	34.6	48.7	65.6	84.4	106.2	128.3	150.9	175.0
55°	0.0	11.2	23.2	37.2	53.3	71.4	93.4	116.8	141.1	165.8	193.6
52.5°	0.0	11.9	24.9	39.8	57.8	77.3	102.3	127.6	153.6	182.2	211.8
50°	0.0	12.6	26.6	42.4	62.2	84.4	110.8	138.1	166.2	198.0	228.7
47.5°	0.0	13.2	28.2	45.0	66.4	91.3	119.1	148.3	179.8	213.4	244.9
45°	0.0	13.9	29.8	48.0	70.4	97.9	127.5	158.2	193.0	227.4	260.6
42.5°	0.0	14.4	31.3	50.9	74.3	104.2	135.6	168.5	205.6	241.0	275.7
40°	0.0	15.0	32.7	53.6	78.5	110.3	143.3	179.0	217.4	253.9	290.1
37.5°	0.0	15.5	34.0	56.2	83.1	116.0	150.6	189.0	228.3	266.2	303.8
35°	0.0	16.1	35.3	58.7	87.4	121.7	157.5	198.4	238.6	277.9	316.7
32.5°	0.0	16.5	36.5	61.0	91.5	127.1	164.3	207.3	248.4	288.9	328.4
30°	0.0	17.0	37.6	63.2	95.3	132.1	171.4	215.6	257.5	299.2	339.3
27.5°	0.0	17.4	38.6	65.2	98.8	136.8	178.0	222.9	266.0	308.8	349.6
25°	0.0	17.8	39.6	67.1	102.1	141.1	184.1	229.7	273.8	317.4	359.0
22.5°	0.0	18.1	40.4	68.8	105.1	145.0	189.6	235.9	280.9	325.1	366.6
20°	0.0	18.4	41.2	70.3	107.7	148.6	194.6	241.5	287.3	332.0	373.6
17.5°	0.0	18.7	41.9	71.6	110.1	151.7	199.1	246.4	293.0	338.2	379.8
15°	0.0	18.9	42.5	72.8	112.1	154.5	202.9	250.7	298.0	343.5	385.2
12.5°	0.0	19.1	43.0	73.8	113.9	156.8	206.2	254.4	302.2	348.1	389.8
10°	0.0	19.3	43.5	74.6	115.3	158.7	208.9	257.4	305.7	351.9	393.5
7.5°	0.0	19.4	43.8	75.3	116.5	160.2	211.0	259.8	308.4	354.8	396.5
5°	0.0	19.5	44.0	75.7	117.3	161.2	212.5	261.5	310.3	356.9	398.6
2.5°	0.0	19.6	44.2	76.0	117.7	161.9	213.4	262.5	311.5	358.2	399.9
0°	0.0	19.6	44.2	76.1	117.9	162.1	213.7	262.8	311.9	358.6	400.3
-2.5°	0.0	19.6	44.2	76.0	117.7	161.9	213.4	262.5	311.5	358.2	399.9
-5°	0.0	19.5	44.0	75.7	117.3	161.2	212.5	261.5	310.3	356.9	398.6
-7.5°	0.0	19.4	43.8	75.3	116.5	160.2	211.0	259.8	308.4	354.8	396.5
-10°	0.0	19.3	43.5	74.6	115.3	158.7	208.9	257.4	305.7	351.9	393.5
-12.5°	0.0	19.1	43.0	73.8	113.9	156.8	206.2	254.4	302.2	348.1	389.8
-15°	0.0	18.9	42.5	72.8	112.1	154.5	202.9	250.7	298.0	343.5	385.2
-17.5°	0.0	18.7	41.9	71.6	110.1	151.7	199.1	246.4	293.0	338.2	379.8
-20°	0.0	18.4	41.2	70.3	107.7	148.6	194.6	241.5	287.3	332.0	373.6

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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.1	40.4	68.8	105.1	145.0	189.6	235.9	280.9	325.1	366.6
-25°	0.0	17.8	39.6	67.1	102.1	141.1	184.1	229.7	273.8	317.4	359.0
-27.5°	0.0	17.4	38.6	65.2	98.8	136.8	178.0	222.9	266.0	308.8	349.6
-30°	0.0	17.0	37.6	63.2	95.3	132.1	171.4	215.6	257.5	299.2	339.3
-32.5°	0.0	16.5	36.5	61.0	91.5	127.1	164.3	207.3	248.4	288.9	328.4
-35°	0.0	16.1	35.3	58.7	87.4	121.7	157.5	198.4	238.6	277.9	316.7
-37.5°	0.0	15.5	34.0	56.2	83.1	116.0	150.6	189.0	228.3	266.2	303.8
-40°	0.0	15.0	32.7	53.6	78.5	110.3	143.3	179.0	217.4	253.9	290.1
-42.5°	0.0	14.4	31.3	50.9	74.3	104.2	135.6	168.5	205.6	241.0	275.7
-45°	0.0	13.9	29.8	48.0	70.4	97.9	127.5	158.2	193.0	227.4	260.6
-47.5°	0.0	13.2	28.2	45.0	66.4	91.3	119.1	148.3	179.8	213.4	244.9
-50°	0.0	12.6	26.6	42.4	62.2	84.4	110.8	138.1	166.2	198.0	228.7
-52.5°	0.0	11.9	24.9	39.8	57.8	77.3	102.3	127.6	153.6	182.2	211.8
-55°	0.0	11.2	23.2	37.2	53.3	71.4	93.4	116.8	141.1	165.8	193.6
-57.5°	0.0	10.5	21.4	34.6	48.7	65.6	84.4	106.2	128.3	150.9	175.0
-60°	0.0	9.8	19.6	31.8	44.0	59.7	75.3	95.3	115.3	136.1	156.8
-62.5°	0.0	9.0	18.1	29.0	40.3	53.6	68.0	84.1	102.6	121.0	140.1
-65°	0.0	8.3	16.5	26.1	36.4	47.4	60.5	73.6	89.7	106.3	123.0
-67.5°	0.0	7.5	15.0	23.2	32.5	41.8	52.9	64.7	76.4	91.5	106.3
-70°	0.0	6.7	13.4	20.2	28.5	36.8	45.2	55.7	66.1	76.4	89.7
-72.5°	0.0	5.9	11.8	17.6	24.5	31.7	38.9	46.6	55.7	64.7	73.6
-75°	0.0	5.1	10.1	15.2	20.3	26.6	32.8	38.9	45.2	52.9	60.5
-77.5°	0.0	4.2	8.5	12.7	16.9	21.4	26.6	31.7	36.8	41.8	47.4
-80°	0.0	3.4	6.8	10.2	13.5	16.9	20.3	24.5	28.5	32.5	36.4
-82.5°	0.0	2.6	5.1	7.7	10.2	12.7	15.2	17.6	20.2	23.2	26.1
-85°	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.4	15.0	16.5
-87.5°	0.0	0.9	1.7	2.6	3.4	4.2	5.1	5.9	6.7	7.5	8.3
-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°	9.0	9.8	10.5	11.2	11.9	12.6	13.2	13.9	14.4	15.0	15.5
85°	18.1	19.6	21.4	23.2	24.9	26.6	28.2	29.8	31.3	32.7	34.0
82.5°	29.0	31.8	34.6	37.2	39.8	42.4	45.0	48.0	50.9	53.6	56.2
80°	40.3	44.0	48.7	53.3	57.8	62.2	66.4	70.4	74.3	78.5	83.1
77.5°	53.6	59.7	65.6	71.4	77.3	84.4	91.3	97.9	104.2	110.3	116.0
75°	68.0	75.3	84.4	93.4	102.3	110.8	119.1	127.5	135.6	143.3	150.6
72.5°	84.1	95.3	106.2	116.8	127.6	138.1	148.3	158.2	168.5	179.0	189.0
70°	102.6	115.3	128.3	141.1	153.6	166.2	179.8	193.0	205.6	217.4	228.3
67.5°	121.0	136.1	150.9	165.8	182.2	198.0	213.4	227.4	241.0	253.9	266.2
65°	140.1	156.8	175.0	193.6	211.8	228.7	244.9	260.6	275.7	290.1	303.8
62.5°	158.8	179.6	200.6	220.7	239.7	258.2	276.1	293.4	310.0	325.3	339.7
60°	179.6	202.9	225.2	246.4	267.1	287.3	306.8	325.1	342.4	359.0	373.1
57.5°	200.6	225.2	248.7	271.6	294.1	315.7	335.9	355.4	372.6	388.7	403.5
55°	220.7	246.4	271.6	296.3	320.1	342.4	363.6	382.4	400.5	414.9	428.8
52.5°	239.7	267.1	294.1	320.1	344.6	367.5	388.4	407.1	423.3	437.9	449.6
50°	258.2	287.3	315.7	342.4	367.5	390.4	410.5	428.3	443.2	456.3	467.5
47.5°	276.1	306.8	335.9	363.6	388.4	410.5	430.0	445.9	460.3	472.0	483.0
45°	293.4	325.1	355.4	382.4	407.1	428.3	445.9	461.7	474.3	486.1	496.6
42.5°	310.0	342.4	372.6	400.5	423.3	443.2	460.3	474.3	487.2	498.7	509.8
40°	325.3	359.0	388.7	414.9	437.9	456.3	472.0	486.1	498.7	510.8	522.5
37.5°	339.7	373.1	403.5	428.8	449.6	467.5	483.0	496.6	509.8	522.5	537.9
35°	353.5	386.6	415.6	440.4	460.7	477.4	492.5	506.6	520.4	536.5	554.5
32.5°	365.6	399.3	427.1	450.2	469.6	486.4	501.4	516.1	532.4	550.8	573.2
30°	376.5	409.4	437.2	459.4	477.8	494.2	509.8	525.7	544.6	567.6	598.1
27.5°	386.6	418.6	445.1	466.8	485.2	501.6	517.7	536.3	558.4	585.9	625.5
25°	395.9	427.1	452.4	473.4	491.6	508.4	525.6	546.3	572.3	609.9	657.0
22.5°	403.8	434.8	459.1	479.4	497.4	514.7	534.1	557.8	588.6	632.5	687.8
20°	410.1	440.4	464.6	484.7	502.7	520.4	541.9	568.6	607.5	658.8	716.8
17.5°	415.8	445.3	469.0	489.0	507.4	526.1	549.2	578.4	624.6	682.5	743.3
15°	420.8	449.6	472.9	492.8	511.5	531.8	557.1	591.6	642.1	703.7	766.9
12.5°	425.0	453.3	476.2	496.0	515.0	536.6	563.9	603.5	658.7	722.4	788.7
10°	428.5	456.3	478.9	498.7	517.9	540.6	569.5	613.4	672.5	738.0	806.9
7.5°	431.2	458.6	481.0	500.8	520.2	543.7	573.9	621.1	683.4	750.2	821.2
5°	433.1	460.3	482.6	502.3	521.8	545.9	577.1	626.7	691.2	759.1	831.6
2.5°	434.3	461.4	483.5	503.2	522.8	547.2	579.0	630.1	695.9	764.4	837.8
0°	434.7	461.7	483.8	503.5	523.1	547.7	579.6	631.2	697.5	766.2	839.9
-2.5°	434.3	461.4	483.5	503.2	522.8	547.2	579.0	630.1	695.9	764.4	837.8
-5°	433.1	460.3	482.6	502.3	521.8	545.9	577.1	626.7	691.2	759.1	831.6
-7.5°	431.2	458.6	481.0	500.8	520.2	543.7	573.9	621.1	683.4	750.2	821.2
-10°	428.5	456.3	478.9	498.7	517.9	540.6	569.5	613.4	672.5	738.0	806.9
-12.5°	425.0	453.3	476.2	496.0	515.0	536.6	563.9	603.5	658.7	722.4	788.7
-15°	420.8	449.6	472.9	492.8	511.5	531.8	557.1	591.6	642.1	703.7	766.9
-17.5°	415.8	445.3	469.0	489.0	507.4	526.1	549.2	578.4	624.6	682.5	743.3
-20°	410.1	440.4	464.6	484.7	502.7	520.4	541.9	568.6	607.5	658.8	716.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	403.8	434.8	459.1	479.4	497.4	514.7	534.1	557.8	588.6	632.5	687.8
-25°	395.9	427.1	452.4	473.4	491.6	508.4	525.6	546.3	572.3	609.9	657.0
-27.5°	386.6	418.6	445.1	466.8	485.2	501.6	517.7	536.3	558.4	585.9	625.5
-30°	376.5	409.4	437.2	459.4	477.8	494.2	509.8	525.7	544.6	567.6	598.1
-32.5°	365.6	399.3	427.1	450.2	469.6	486.4	501.4	516.1	532.4	550.8	573.2
-35°	353.5	386.6	415.6	440.4	460.7	477.4	492.5	506.6	520.4	536.5	554.5
-37.5°	339.7	373.1	403.5	428.8	449.6	467.5	483.0	496.6	509.8	522.5	537.9
-40°	325.3	359.0	388.7	414.9	437.9	456.3	472.0	486.1	498.7	510.8	522.5
-42.5°	310.0	342.4	372.6	400.5	423.3	443.2	460.3	474.3	487.2	498.7	509.8
-45°	293.4	325.1	355.4	382.4	407.1	428.3	445.9	461.7	474.3	486.1	496.6
-47.5°	276.1	306.8	335.9	363.6	388.4	410.5	430.0	445.9	460.3	472.0	483.0
-50°	258.2	287.3	315.7	342.4	367.5	390.4	410.5	428.3	443.2	456.3	467.5
-52.5°	239.7	267.1	294.1	320.1	344.6	367.5	388.4	407.1	423.3	437.9	449.6
-55°	220.7	246.4	271.6	296.3	320.1	342.4	363.6	382.4	400.5	414.9	428.8
-57.5°	200.6	225.2	248.7	271.6	294.1	315.7	335.9	355.4	372.6	388.7	403.5
-60°	179.6	202.9	225.2	246.4	267.1	287.3	306.8	325.1	342.4	359.0	373.1
-62.5°	158.8	179.6	200.6	220.7	239.7	258.2	276.1	293.4	310.0	325.3	339.7
-65°	140.1	156.8	175.0	193.6	211.8	228.7	244.9	260.6	275.7	290.1	303.8
-67.5°	121.0	136.1	150.9	165.8	182.2	198.0	213.4	227.4	241.0	253.9	266.2
-70°	102.6	115.3	128.3	141.1	153.6	166.2	179.8	193.0	205.6	217.4	228.3
-72.5°	84.1	95.3	106.2	116.8	127.6	138.1	148.3	158.2	168.5	179.0	189.0
-75°	68.0	75.3	84.4	93.4	102.3	110.8	119.1	127.5	135.6	143.3	150.6
-77.5°	53.6	59.7	65.6	71.4	77.3	84.4	91.3	97.9	104.2	110.3	116.0
-80°	40.3	44.0	48.7	53.3	57.8	62.2	66.4	70.4	74.3	78.5	83.1
-82.5°	29.0	31.8	34.6	37.2	39.8	42.4	45.0	48.0	50.9	53.6	56.2
-85°	18.1	19.6	21.4	23.2	24.9	26.6	28.2	29.8	31.3	32.7	34.0
-87.5°	9.0	9.8	10.5	11.2	11.9	12.6	13.2	13.9	14.4	15.0	15.5
-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: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**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°	16.1	16.5	17.0	17.4	17.8	18.1	18.4	18.7	18.9	19.1	19.3
85°	35.3	36.5	37.6	38.6	39.6	40.4	41.2	41.9	42.5	43.0	43.5
82.5°	58.7	61.0	63.2	65.2	67.1	68.8	70.3	71.6	72.8	73.8	74.6
80°	87.4	91.5	95.3	98.8	102.1	105.1	107.7	110.1	112.1	113.9	115.3
77.5°	121.7	127.1	132.1	136.8	141.1	145.0	148.6	151.7	154.5	156.8	158.7
75°	157.5	164.3	171.4	178.0	184.1	189.6	194.6	199.1	202.9	206.2	208.9
72.5°	198.4	207.3	215.6	222.9	229.7	235.9	241.5	246.4	250.7	254.4	257.4
70°	238.6	248.4	257.5	266.0	273.8	280.9	287.3	293.0	298.0	302.2	305.7
67.5°	277.9	288.9	299.2	308.8	317.4	325.1	332.0	338.2	343.5	348.1	351.9
65°	316.7	328.4	339.3	349.6	359.0	366.6	373.6	379.8	385.2	389.8	393.5
62.5°	353.5	365.6	376.5	386.6	395.9	403.8	410.1	415.8	420.8	425.0	428.5
60°	386.6	399.3	409.4	418.6	427.1	434.8	440.4	445.3	449.6	453.3	456.3
57.5°	415.6	427.1	437.2	445.1	452.4	459.1	464.6	469.0	472.9	476.2	478.9
55°	440.4	450.2	459.4	466.8	473.4	479.4	484.7	489.0	492.8	496.0	498.7
52.5°	460.7	469.6	477.8	485.2	491.6	497.4	502.7	507.4	511.5	515.0	517.9
50°	477.4	486.4	494.2	501.6	508.4	514.7	520.4	526.1	531.8	536.6	540.6
47.5°	492.5	501.4	509.8	517.7	525.6	534.1	541.9	549.2	557.1	563.9	569.5
45°	506.6	516.1	525.7	536.3	546.3	557.8	568.6	578.4	591.6	603.5	613.4
42.5°	520.4	532.4	544.6	558.4	572.3	588.6	607.5	624.6	642.1	658.7	672.5
40°	536.5	550.8	567.6	585.9	609.9	632.5	658.8	682.5	703.7	722.4	738.0
37.5°	554.5	573.2	598.1	625.5	657.0	687.8	716.8	743.3	766.9	788.7	806.9
35°	575.1	604.3	636.1	673.7	709.5	743.7	776.0	806.7	834.0	857.7	877.5
32.5°	604.3	640.3	682.1	722.9	762.1	801.2	837.6	870.8	900.4	928.7	954.6
30°	636.1	682.1	727.5	771.8	816.6	858.8	897.9	937.8	976.3	1017.9	1074.5
27.5°	673.7	722.9	771.8	821.8	869.5	914.8	965.3	1021.4	1105.1	1178.5	1315.0
25°	709.5	762.1	816.6	869.5	921.5	979.3	1065.1	1165.4	1349.9	1527.1	1804.5
22.5°	743.7	801.2	858.8	914.8	979.3	1079.8	1217.2	1456.5	1798.5	2219.9	2763.5
20°	776.0	837.6	897.9	965.3	1065.1	1217.2	1492.6	1963.5	2549.8	3529.2	4538.7
17.5°	806.7	870.8	937.8	1021.4	1165.4	1456.5	1963.5	2737.0	3926.1	5788.3	7659.6
15°	834.0	900.4	976.3	1105.1	1349.9	1798.5	2549.8	3926.1	6216.9	9079.1	12472.7
12.5°	857.7	928.7	1017.9	1178.5	1527.1	2219.9	3529.2	5788.3	9079.1	13297.0	18665.7
10°	877.5	954.6	1074.5	1315.0	1804.5	2763.5	4538.7	7659.6	12472.7	18665.7	26864.3
7.5°	893.1	975.1	1119.5	1424.5	2067.1	3380.8	5910.1	10095.7	16095.0	24391.8	36117.8
5°	904.5	990.0	1152.2	1504.3	2259.5	3835.9	6928.9	11976.4	19212.7	30556.6	49814.7
2.5°	911.3	999.0	1172.1	1553.0	2377.1	4115.2	7557.6	13146.5	21175.8	34510.2	58864.4
0°	913.6	1002.0	1178.8	1569.3	2416.6	4209.3	7770.3	13544.0	21847.3	35877.6	62054.6
-2.5°	911.3	999.0	1172.1	1553.0	2377.1	4115.2	7557.6	13146.5	21175.8	34510.2	58864.4
-5°	904.5	990.0	1152.2	1504.3	2259.5	3835.9	6928.9	11976.4	19212.7	30556.6	49814.7
-7.5°	893.1	975.1	1119.5	1424.5	2067.1	3380.8	5910.1	10095.7	16095.0	24391.8	36117.8
-10°	877.5	954.6	1074.5	1315.0	1804.5	2763.5	4538.7	7659.6	12472.7	18665.7	26864.3
-12.5°	857.7	928.7	1017.9	1178.5	1527.1	2219.9	3529.2	5788.3	9079.1	13297.0	18665.7
-15°	834.0	900.4	976.3	1105.1	1349.9	1798.5	2549.8	3926.1	6216.9	9079.1	12472.7
-17.5°	806.7	870.8	937.8	1021.4	1165.4	1456.5	1963.5	2737.0	3926.1	5788.3	7659.6
-20°	776.0	837.6	897.9	965.3	1065.1	1217.2	1492.6	1963.5	2549.8	3529.2	4538.7



REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	743.7	801.2	858.8	914.8	979.3	1079.8	1217.2	1456.5	1798.5	2219.9	2763.5
-25°	709.5	762.1	816.6	869.5	921.5	979.3	1065.1	1165.4	1349.9	1527.1	1804.5
-27.5°	673.7	722.9	771.8	821.8	869.5	914.8	965.3	1021.4	1105.1	1178.5	1315.0
-30°	636.1	682.1	727.5	771.8	816.6	858.8	897.9	937.8	976.3	1017.9	1074.5
-32.5°	604.3	640.3	682.1	722.9	762.1	801.2	837.6	870.8	900.4	928.7	954.6
-35°	575.1	604.3	636.1	673.7	709.5	743.7	776.0	806.7	834.0	857.7	877.5
-37.5°	554.5	573.2	598.1	625.5	657.0	687.8	716.8	743.3	766.9	788.7	806.9
-40°	536.5	550.8	567.6	585.9	609.9	632.5	658.8	682.5	703.7	722.4	738.0
-42.5°	520.4	532.4	544.6	558.4	572.3	588.6	607.5	624.6	642.1	658.7	672.5
-45°	506.6	516.1	525.7	536.3	546.3	557.8	568.6	578.4	591.6	603.5	613.4
-47.5°	492.5	501.4	509.8	517.7	525.6	534.1	541.9	549.2	557.1	563.9	569.5
-50°	477.4	486.4	494.2	501.6	508.4	514.7	520.4	526.1	531.8	536.6	540.6
-52.5°	460.7	469.6	477.8	485.2	491.6	497.4	502.7	507.4	511.5	515.0	517.9
-55°	440.4	450.2	459.4	466.8	473.4	479.4	484.7	489.0	492.8	496.0	498.7
-57.5°	415.6	427.1	437.2	445.1	452.4	459.1	464.6	469.0	472.9	476.2	478.9
-60°	386.6	399.3	409.4	418.6	427.1	434.8	440.4	445.3	449.6	453.3	456.3
-62.5°	353.5	365.6	376.5	386.6	395.9	403.8	410.1	415.8	420.8	425.0	428.5
-65°	316.7	328.4	339.3	349.6	359.0	366.6	373.6	379.8	385.2	389.8	393.5
-67.5°	277.9	288.9	299.2	308.8	317.4	325.1	332.0	338.2	343.5	348.1	351.9
-70°	238.6	248.4	257.5	266.0	273.8	280.9	287.3	293.0	298.0	302.2	305.7
-72.5°	198.4	207.3	215.6	222.9	229.7	235.9	241.5	246.4	250.7	254.4	257.4
-75°	157.5	164.3	171.4	178.0	184.1	189.6	194.6	199.1	202.9	206.2	208.9
-77.5°	121.7	127.1	132.1	136.8	141.1	145.0	148.6	151.7	154.5	156.8	158.7
-80°	87.4	91.5	95.3	98.8	102.1	105.1	107.7	110.1	112.1	113.9	115.3
-82.5°	58.7	61.0	63.2	65.2	67.1	68.8	70.3	71.6	72.8	73.8	74.6
-85°	35.3	36.5	37.6	38.6	39.6	40.4	41.2	41.9	42.5	43.0	43.5
-87.5°	16.1	16.5	17.0	17.4	17.8	18.1	18.4	18.7	18.9	19.1	19.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**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°	19.4	19.5	19.6	19.6	19.6	19.5	19.4	19.3	19.1	18.9	18.7
85°	43.8	44.0	44.2	44.2	44.2	44.0	43.8	43.5	43.0	42.5	41.9
82.5°	75.3	75.7	76.0	76.1	76.0	75.7	75.3	74.6	73.8	72.8	71.6
80°	116.5	117.3	117.7	117.9	117.7	117.3	116.5	115.3	113.9	112.1	110.1
77.5°	160.2	161.2	161.9	162.1	161.9	161.2	160.2	158.7	156.8	154.5	151.7
75°	211.0	212.5	213.4	213.7	213.4	212.5	211.0	208.9	206.2	202.9	199.1
72.5°	259.8	261.5	262.5	262.8	262.5	261.5	259.8	257.4	254.4	250.7	246.4
70°	308.4	310.3	311.5	311.9	311.5	310.3	308.4	305.7	302.2	298.0	293.0
67.5°	354.8	356.9	358.2	358.6	358.2	356.9	354.8	351.9	348.1	343.5	338.2
65°	396.5	398.6	399.9	400.3	399.9	398.6	396.5	393.5	389.8	385.2	379.8
62.5°	431.2	433.1	434.3	434.7	434.3	433.1	431.2	428.5	425.0	420.8	415.8
60°	458.6	460.3	461.4	461.7	461.4	460.3	458.6	456.3	453.3	449.6	445.3
57.5°	481.0	482.6	483.5	483.8	483.5	482.6	481.0	478.9	476.2	472.9	469.0
55°	500.8	502.3	503.2	503.5	503.2	502.3	500.8	498.7	496.0	492.8	489.0
52.5°	520.2	521.8	522.8	523.1	522.8	521.8	520.2	517.9	515.0	511.5	507.4
50°	543.7	545.9	547.2	547.7	547.2	545.9	543.7	540.6	536.6	531.8	526.1
47.5°	573.9	577.1	579.0	579.6	579.0	577.1	573.9	569.5	563.9	557.1	549.2
45°	621.1	626.7	630.1	631.2	630.1	626.7	621.1	613.4	603.5	591.6	578.4
42.5°	683.4	691.2	695.9	697.5	695.9	691.2	683.4	672.5	658.7	642.1	624.6
40°	750.2	759.1	764.4	766.2	764.4	759.1	750.2	738.0	722.4	703.7	682.5
37.5°	821.2	831.6	837.8	839.9	837.8	831.6	821.2	806.9	788.7	766.9	743.3
35°	893.1	904.5	911.3	913.6	911.3	904.5	893.1	877.5	857.7	834.0	806.7
32.5°	975.1	990.0	999.0	1002.0	999.0	990.0	975.1	954.6	928.7	900.4	870.8
30°	1119.5	1152.2	1172.1	1178.8	1172.1	1152.2	1119.5	1074.5	1017.9	976.3	937.8
27.5°	1424.5	1504.3	1553.0	1569.3	1553.0	1504.3	1424.5	1315.0	1178.5	1105.1	1021.4
25°	2067.1	2259.5	2377.1	2416.6	2377.1	2259.5	2067.1	1804.5	1527.1	1349.9	1165.4
22.5°	3380.8	3835.9	4115.2	4209.3	4115.2	3835.9	3380.8	2763.5	2219.9	1798.5	1456.5
20°	5910.1	6928.9	7557.6	7770.3	7557.6	6928.9	5910.1	4538.7	3529.2	2549.8	1963.5
17.5°	10095.7	11976.4	13146.5	13544.0	13146.5	11976.4	10095.7	7659.6	5788.3	3926.1	2737.0
15°	16095.0	19212.7	21175.8	21847.3	21175.8	19212.7	16095.0	12472.7	9079.1	6216.9	3926.1
12.5°	24391.8	30556.6	34510.2	35877.6	34510.2	30556.6	24391.8	18665.7	13297.0	9079.1	5788.3
10°	36117.8	49814.7	58864.4	62054.6	58864.4	49814.7	36117.8	26864.3	18665.7	12472.7	7659.6
7.5°	55862.1	77605.5	99675.3	109030.2	99675.3	77605.5	55862.1	36117.8	24391.8	16095.0	10095.7
5°	77605.5	119080.6	160360.8	178187.1	160360.8	119080.6	77605.5	49814.7	30556.6	19212.7	11976.4
2.5°	99675.3	160360.8	221055.4	245282.4	221055.4	160360.8	99675.3	58864.4	34510.2	21175.8	13146.5
0°	109030.2	178187.1	245282.4	272538.7	245282.4	178187.1	109030.2	62054.6	35877.6	21847.3	13544.0
-2.5°	99675.3	160360.8	221055.4	245282.4	221055.4	160360.8	99675.3	58864.4	34510.2	21175.8	13146.5
-5°	77605.5	119080.6	160360.8	178187.1	160360.8	119080.6	77605.5	49814.7	30556.6	19212.7	11976.4
-7.5°	55862.1	77605.5	99675.3	109030.2	99675.3	77605.5	55862.1	36117.8	24391.8	16095.0	10095.7
-10°	36117.8	49814.7	58864.4	62054.6	58864.4	49814.7	36117.8	26864.3	18665.7	12472.7	7659.6
-12.5°	24391.8	30556.6	34510.2	35877.6	34510.2	30556.6	24391.8	18665.7	13297.0	9079.1	5788.3
-15°	16095.0	19212.7	21175.8	21847.3	21175.8	19212.7	16095.0	12472.7	9079.1	6216.9	3926.1
-17.5°	10095.7	11976.4	13146.5	13544.0	13146.5	11976.4	10095.7	7659.6	5788.3	3926.1	2737.0
-20°	5910.1	6928.9	7557.6	7770.3	7557.6	6928.9	5910.1	4538.7	3529.2	2549.8	1963.5



REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3380.8	3835.9	4115.2	4209.3	4115.2	3835.9	3380.8	2763.5	2219.9	1798.5	1456.5
-25°	2067.1	2259.5	2377.1	2416.6	2377.1	2259.5	2067.1	1804.5	1527.1	1349.9	1165.4
-27.5°	1424.5	1504.3	1553.0	1569.3	1553.0	1504.3	1424.5	1315.0	1178.5	1105.1	1021.4
-30°	1119.5	1152.2	1172.1	1178.8	1172.1	1152.2	1119.5	1074.5	1017.9	976.3	937.8
-32.5°	975.1	990.0	999.0	1002.0	999.0	990.0	975.1	954.6	928.7	900.4	870.8
-35°	893.1	904.5	911.3	913.6	911.3	904.5	893.1	877.5	857.7	834.0	806.7
-37.5°	821.2	831.6	837.8	839.9	837.8	831.6	821.2	806.9	788.7	766.9	743.3
-40°	750.2	759.1	764.4	766.2	764.4	759.1	750.2	738.0	722.4	703.7	682.5
-42.5°	683.4	691.2	695.9	697.5	695.9	691.2	683.4	672.5	658.7	642.1	624.6
-45°	621.1	626.7	630.1	631.2	630.1	626.7	621.1	613.4	603.5	591.6	578.4
-47.5°	573.9	577.1	579.0	579.6	579.0	577.1	573.9	569.5	563.9	557.1	549.2
-50°	543.7	545.9	547.2	547.7	547.2	545.9	543.7	540.6	536.6	531.8	526.1
-52.5°	520.2	521.8	522.8	523.1	522.8	521.8	520.2	517.9	515.0	511.5	507.4
-55°	500.8	502.3	503.2	503.5	503.2	502.3	500.8	498.7	496.0	492.8	489.0
-57.5°	481.0	482.6	483.5	483.8	483.5	482.6	481.0	478.9	476.2	472.9	469.0
-60°	458.6	460.3	461.4	461.7	461.4	460.3	458.6	456.3	453.3	449.6	445.3
-62.5°	431.2	433.1	434.3	434.7	434.3	433.1	431.2	428.5	425.0	420.8	415.8
-65°	396.5	398.6	399.9	400.3	399.9	398.6	396.5	393.5	389.8	385.2	379.8
-67.5°	354.8	356.9	358.2	358.6	358.2	356.9	354.8	351.9	348.1	343.5	338.2
-70°	308.4	310.3	311.5	311.9	311.5	310.3	308.4	305.7	302.2	298.0	293.0
-72.5°	259.8	261.5	262.5	262.8	262.5	261.5	259.8	257.4	254.4	250.7	246.4
-75°	211.0	212.5	213.4	213.7	213.4	212.5	211.0	208.9	206.2	202.9	199.1
-77.5°	160.2	161.2	161.9	162.1	161.9	161.2	160.2	158.7	156.8	154.5	151.7
-80°	116.5	117.3	117.7	117.9	117.7	117.3	116.5	115.3	113.9	112.1	110.1
-82.5°	75.3	75.7	76.0	76.1	76.0	75.7	75.3	74.6	73.8	72.8	71.6
-85°	43.8	44.0	44.2	44.2	44.2	44.0	43.8	43.5	43.0	42.5	41.9
-87.5°	19.4	19.5	19.6	19.6	19.6	19.5	19.4	19.3	19.1	18.9	18.7
-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: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**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°	18.4	18.1	17.8	17.4	17.0	16.5	16.1	15.5	15.0	14.4	13.9
85°	41.2	40.4	39.6	38.6	37.6	36.5	35.3	34.0	32.7	31.3	29.8
82.5°	70.3	68.8	67.1	65.2	63.2	61.0	58.7	56.2	53.6	50.9	48.0
80°	107.7	105.1	102.1	98.8	95.3	91.5	87.4	83.1	78.5	74.3	70.4
77.5°	148.6	145.0	141.1	136.8	132.1	127.1	121.7	116.0	110.3	104.2	97.9
75°	194.6	189.6	184.1	178.0	171.4	164.3	157.5	150.6	143.3	135.6	127.5
72.5°	241.5	235.9	229.7	222.9	215.6	207.3	198.4	189.0	179.0	168.5	158.2
70°	287.3	280.9	273.8	266.0	257.5	248.4	238.6	228.3	217.4	205.6	193.0
67.5°	332.0	325.1	317.4	308.8	299.2	288.9	277.9	266.2	253.9	241.0	227.4
65°	373.6	366.6	359.0	349.6	339.3	328.4	316.7	303.8	290.1	275.7	260.6
62.5°	410.1	403.8	395.9	386.6	376.5	365.6	353.5	339.7	325.3	310.0	293.4
60°	440.4	434.8	427.1	418.6	409.4	399.3	386.6	373.1	359.0	342.4	325.1
57.5°	464.6	459.1	452.4	445.1	437.2	427.1	415.6	403.5	388.7	372.6	355.4
55°	484.7	479.4	473.4	466.8	459.4	450.2	440.4	428.8	414.9	400.5	382.4
52.5°	502.7	497.4	491.6	485.2	477.8	469.6	460.7	449.6	437.9	423.3	407.1
50°	520.4	514.7	508.4	501.6	494.2	486.4	477.4	467.5	456.3	443.2	428.3
47.5°	541.9	534.1	525.6	517.7	509.8	501.4	492.5	483.0	472.0	460.3	445.9
45°	568.6	557.8	546.3	536.3	525.7	516.1	506.6	496.6	486.1	474.3	461.7
42.5°	607.5	588.6	572.3	558.4	544.6	532.4	520.4	509.8	498.7	487.2	474.3
40°	658.8	632.5	609.9	585.9	567.6	550.8	536.5	522.5	510.8	498.7	486.1
37.5°	716.8	687.8	657.0	625.5	598.1	573.2	554.5	537.9	522.5	509.8	496.6
35°	776.0	743.7	709.5	673.7	636.1	604.3	575.1	554.5	536.5	520.4	506.6
32.5°	837.6	801.2	762.1	722.9	682.1	640.3	604.3	573.2	550.8	532.4	516.1
30°	897.9	858.8	816.6	771.8	727.5	682.1	636.1	598.1	567.6	544.6	525.7
27.5°	965.3	914.8	869.5	821.8	771.8	722.9	673.7	625.5	585.9	558.4	536.3
25°	1065.1	979.3	921.5	869.5	816.6	762.1	709.5	657.0	609.9	572.3	546.3
22.5°	1217.2	1079.8	979.3	914.8	858.8	801.2	743.7	687.8	632.5	588.6	557.8
20°	1492.6	1217.2	1065.1	965.3	897.9	837.6	776.0	716.8	658.8	607.5	568.6
17.5°	1963.5	1456.5	1165.4	1021.4	937.8	870.8	806.7	743.3	682.5	624.6	578.4
15°	2549.8	1798.5	1349.9	1105.1	976.3	900.4	834.0	766.9	703.7	642.1	591.6
12.5°	3529.2	2219.9	1527.1	1178.5	1017.9	928.7	857.7	788.7	722.4	658.7	603.5
10°	4538.7	2763.5	1804.5	1315.0	1074.5	954.6	877.5	806.9	738.0	672.5	613.4
7.5°	5910.1	3380.8	2067.1	1424.5	1119.5	975.1	893.1	821.2	750.2	683.4	621.1
5°	6928.9	3835.9	2259.5	1504.3	1152.2	990.0	904.5	831.6	759.1	691.2	626.7
2.5°	7557.6	4115.2	2377.1	1553.0	1172.1	999.0	911.3	837.8	764.4	695.9	630.1
0°	<b>7770.3</b>	<b>4209.3</b>	<b>2416.6</b>	<b>1569.3</b>	<b>1178.8</b>	<b>1002.0</b>	<b>913.6</b>	<b>839.9</b>	<b>766.2</b>	<b>697.5</b>	<b>631.2</b>
-2.5°	7557.6	4115.2	2377.1	1553.0	1172.1	999.0	911.3	837.8	764.4	695.9	630.1
-5°	6928.9	3835.9	2259.5	1504.3	1152.2	990.0	904.5	831.6	759.1	691.2	626.7
-7.5°	5910.1	3380.8	2067.1	1424.5	1119.5	975.1	893.1	821.2	750.2	683.4	621.1
-10°	4538.7	2763.5	1804.5	1315.0	1074.5	954.6	877.5	806.9	738.0	672.5	613.4
-12.5°	3529.2	2219.9	1527.1	1178.5	1017.9	928.7	857.7	788.7	722.4	658.7	603.5
-15°	2549.8	1798.5	1349.9	1105.1	976.3	900.4	834.0	766.9	703.7	642.1	591.6
-17.5°	1963.5	1456.5	1165.4	1021.4	937.8	870.8	806.7	743.3	682.5	624.6	578.4
-20°	1492.6	1217.2	1065.1	965.3	897.9	837.6	776.0	716.8	658.8	607.5	568.6



REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1217.2	1079.8	979.3	914.8	858.8	801.2	743.7	687.8	632.5	588.6	557.8
-25°	1065.1	979.3	921.5	869.5	816.6	762.1	709.5	657.0	609.9	572.3	546.3
-27.5°	965.3	914.8	869.5	821.8	771.8	722.9	673.7	625.5	585.9	558.4	536.3
-30°	897.9	858.8	816.6	771.8	727.5	682.1	636.1	598.1	567.6	544.6	525.7
-32.5°	837.6	801.2	762.1	722.9	682.1	640.3	604.3	573.2	550.8	532.4	516.1
-35°	776.0	743.7	709.5	673.7	636.1	604.3	575.1	554.5	536.5	520.4	506.6
-37.5°	716.8	687.8	657.0	625.5	598.1	573.2	554.5	537.9	522.5	509.8	496.6
-40°	658.8	632.5	609.9	585.9	567.6	550.8	536.5	522.5	510.8	498.7	486.1
-42.5°	607.5	588.6	572.3	558.4	544.6	532.4	520.4	509.8	498.7	487.2	474.3
-45°	568.6	557.8	546.3	536.3	525.7	516.1	506.6	496.6	486.1	474.3	461.7
-47.5°	541.9	534.1	525.6	517.7	509.8	501.4	492.5	483.0	472.0	460.3	445.9
-50°	520.4	514.7	508.4	501.6	494.2	486.4	477.4	467.5	456.3	443.2	428.3
-52.5°	502.7	497.4	491.6	485.2	477.8	469.6	460.7	449.6	437.9	423.3	407.1
-55°	484.7	479.4	473.4	466.8	459.4	450.2	440.4	428.8	414.9	400.5	382.4
-57.5°	464.6	459.1	452.4	445.1	437.2	427.1	415.6	403.5	388.7	372.6	355.4
-60°	440.4	434.8	427.1	418.6	409.4	399.3	386.6	373.1	359.0	342.4	325.1
-62.5°	410.1	403.8	395.9	386.6	376.5	365.6	353.5	339.7	325.3	310.0	293.4
-65°	373.6	366.6	359.0	349.6	339.3	328.4	316.7	303.8	290.1	275.7	260.6
-67.5°	332.0	325.1	317.4	308.8	299.2	288.9	277.9	266.2	253.9	241.0	227.4
-70°	287.3	280.9	273.8	266.0	257.5	248.4	238.6	228.3	217.4	205.6	193.0
-72.5°	241.5	235.9	229.7	222.9	215.6	207.3	198.4	189.0	179.0	168.5	158.2
-75°	194.6	189.6	184.1	178.0	171.4	164.3	157.5	150.6	143.3	135.6	127.5
-77.5°	148.6	145.0	141.1	136.8	132.1	127.1	121.7	116.0	110.3	104.2	97.9
-80°	107.7	105.1	102.1	98.8	95.3	91.5	87.4	83.1	78.5	74.3	70.4
-82.5°	70.3	68.8	67.1	65.2	63.2	61.0	58.7	56.2	53.6	50.9	48.0
-85°	41.2	40.4	39.6	38.6	37.6	36.5	35.3	34.0	32.7	31.3	29.8
-87.5°	18.4	18.1	17.8	17.4	17.0	16.5	16.1	15.5	15.0	14.4	13.9
-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: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**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°	13.2	12.6	11.9	11.2	10.5	9.8	9.0	8.3	7.5	6.7	5.9
85°	28.2	26.6	24.9	23.2	21.4	19.6	18.1	16.5	15.0	13.4	11.8
82.5°	45.0	42.4	39.8	37.2	34.6	31.8	29.0	26.1	23.2	20.2	17.6
80°	66.4	62.2	57.8	53.3	48.7	44.0	40.3	36.4	32.5	28.5	24.5
77.5°	91.3	84.4	77.3	71.4	65.6	59.7	53.6	47.4	41.8	36.8	31.7
75°	119.1	110.8	102.3	93.4	84.4	75.3	68.0	60.5	52.9	45.2	38.9
72.5°	148.3	138.1	127.6	116.8	106.2	95.3	84.1	73.6	64.7	55.7	46.6
70°	179.8	166.2	153.6	141.1	128.3	115.3	102.6	89.7	76.4	66.1	55.7
67.5°	213.4	198.0	182.2	165.8	150.9	136.1	121.0	106.3	91.5	76.4	64.7
65°	244.9	228.7	211.8	193.6	175.0	156.8	140.1	123.0	106.3	89.7	73.6
62.5°	276.1	258.2	239.7	220.7	200.6	179.6	158.8	140.1	121.0	102.6	84.1
60°	306.8	287.3	267.1	246.4	225.2	202.9	179.6	156.8	136.1	115.3	95.3
57.5°	335.9	315.7	294.1	271.6	248.7	225.2	200.6	175.0	150.9	128.3	106.2
55°	363.6	342.4	320.1	296.3	271.6	246.4	220.7	193.6	165.8	141.1	116.8
52.5°	388.4	367.5	344.6	320.1	294.1	267.1	239.7	211.8	182.2	153.6	127.6
50°	410.5	390.4	367.5	342.4	315.7	287.3	258.2	228.7	198.0	166.2	138.1
47.5°	430.0	410.5	388.4	363.6	335.9	306.8	276.1	244.9	213.4	179.8	148.3
45°	445.9	428.3	407.1	382.4	355.4	325.1	293.4	260.6	227.4	193.0	158.2
42.5°	460.3	443.2	423.3	400.5	372.6	342.4	310.0	275.7	241.0	205.6	168.5
40°	472.0	456.3	437.9	414.9	388.7	359.0	325.3	290.1	253.9	217.4	179.0
37.5°	483.0	467.5	449.6	428.8	403.5	373.1	339.7	303.8	266.2	228.3	189.0
35°	492.5	477.4	460.7	440.4	415.6	386.6	353.5	316.7	277.9	238.6	198.4
32.5°	501.4	486.4	469.6	450.2	427.1	399.3	365.6	328.4	288.9	248.4	207.3
30°	509.8	494.2	477.8	459.4	437.2	409.4	376.5	339.3	299.2	257.5	215.6
27.5°	517.7	501.6	485.2	466.8	445.1	418.6	386.6	349.6	308.8	266.0	222.9
25°	525.6	508.4	491.6	473.4	452.4	427.1	395.9	359.0	317.4	273.8	229.7
22.5°	534.1	514.7	497.4	479.4	459.1	434.8	403.8	366.6	325.1	280.9	235.9
20°	541.9	520.4	502.7	484.7	464.6	440.4	410.1	373.6	332.0	287.3	241.5
17.5°	549.2	526.1	507.4	489.0	469.0	445.3	415.8	379.8	338.2	293.0	246.4
15°	557.1	531.8	511.5	492.8	472.9	449.6	420.8	385.2	343.5	298.0	250.7
12.5°	563.9	536.6	515.0	496.0	476.2	453.3	425.0	389.8	348.1	302.2	254.4
10°	569.5	540.6	517.9	498.7	478.9	456.3	428.5	393.5	351.9	305.7	257.4
7.5°	573.9	543.7	520.2	500.8	481.0	458.6	431.2	396.5	354.8	308.4	259.8
5°	577.1	545.9	521.8	502.3	482.6	460.3	433.1	398.6	356.9	310.3	261.5
2.5°	579.0	547.2	522.8	503.2	483.5	461.4	434.3	399.9	358.2	311.5	262.5
0°	579.6	547.7	523.1	503.5	483.8	461.7	434.7	400.3	358.6	311.9	262.8
-2.5°	579.0	547.2	522.8	503.2	483.5	461.4	434.3	399.9	358.2	311.5	262.5
-5°	577.1	545.9	521.8	502.3	482.6	460.3	433.1	398.6	356.9	310.3	261.5
-7.5°	573.9	543.7	520.2	500.8	481.0	458.6	431.2	396.5	354.8	308.4	259.8
-10°	569.5	540.6	517.9	498.7	478.9	456.3	428.5	393.5	351.9	305.7	257.4
-12.5°	563.9	536.6	515.0	496.0	476.2	453.3	425.0	389.8	348.1	302.2	254.4
-15°	557.1	531.8	511.5	492.8	472.9	449.6	420.8	385.2	343.5	298.0	250.7
-17.5°	549.2	526.1	507.4	489.0	469.0	445.3	415.8	379.8	338.2	293.0	246.4
-20°	541.9	520.4	502.7	484.7	464.6	440.4	410.1	373.6	332.0	287.3	241.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	534.1	514.7	497.4	479.4	459.1	434.8	403.8	366.6	325.1	280.9	235.9
-25°	525.6	508.4	491.6	473.4	452.4	427.1	395.9	359.0	317.4	273.8	229.7
-27.5°	517.7	501.6	485.2	466.8	445.1	418.6	386.6	349.6	308.8	266.0	222.9
-30°	509.8	494.2	477.8	459.4	437.2	409.4	376.5	339.3	299.2	257.5	215.6
-32.5°	501.4	486.4	469.6	450.2	427.1	399.3	365.6	328.4	288.9	248.4	207.3
-35°	492.5	477.4	460.7	440.4	415.6	386.6	353.5	316.7	277.9	238.6	198.4
-37.5°	483.0	467.5	449.6	428.8	403.5	373.1	339.7	303.8	266.2	228.3	189.0
-40°	472.0	456.3	437.9	414.9	388.7	359.0	325.3	290.1	253.9	217.4	179.0
-42.5°	460.3	443.2	423.3	400.5	372.6	342.4	310.0	275.7	241.0	205.6	168.5
-45°	445.9	428.3	407.1	382.4	355.4	325.1	293.4	260.6	227.4	193.0	158.2
-47.5°	430.0	410.5	388.4	363.6	335.9	306.8	276.1	244.9	213.4	179.8	148.3
-50°	410.5	390.4	367.5	342.4	315.7	287.3	258.2	228.7	198.0	166.2	138.1
-52.5°	388.4	367.5	344.6	320.1	294.1	267.1	239.7	211.8	182.2	153.6	127.6
-55°	363.6	342.4	320.1	296.3	271.6	246.4	220.7	193.6	165.8	141.1	116.8
-57.5°	335.9	315.7	294.1	271.6	248.7	225.2	200.6	175.0	150.9	128.3	106.2
-60°	306.8	287.3	267.1	246.4	225.2	202.9	179.6	156.8	136.1	115.3	95.3
-62.5°	276.1	258.2	239.7	220.7	200.6	179.6	158.8	140.1	121.0	102.6	84.1
-65°	244.9	228.7	211.8	193.6	175.0	156.8	140.1	123.0	106.3	89.7	73.6
-67.5°	213.4	198.0	182.2	165.8	150.9	136.1	121.0	106.3	91.5	76.4	64.7
-70°	179.8	166.2	153.6	141.1	128.3	115.3	102.6	89.7	76.4	66.1	55.7
-72.5°	148.3	138.1	127.6	116.8	106.2	95.3	84.1	73.6	64.7	55.7	46.6
-75°	119.1	110.8	102.3	93.4	84.4	75.3	68.0	60.5	52.9	45.2	38.9
-77.5°	91.3	84.4	77.3	71.4	65.6	59.7	53.6	47.4	41.8	36.8	31.7
-80°	66.4	62.2	57.8	53.3	48.7	44.0	40.3	36.4	32.5	28.5	24.5
-82.5°	45.0	42.4	39.8	37.2	34.6	31.8	29.0	26.1	23.2	20.2	17.6
-85°	28.2	26.6	24.9	23.2	21.4	19.6	18.1	16.5	15.0	13.4	11.8
-87.5°	13.2	12.6	11.9	11.2	10.5	9.8	9.0	8.3	7.5	6.7	5.9
-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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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**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	4.2	3.4	2.6	1.7	0.9	0.0
85°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
82.5°	15.2	12.7	10.2	7.7	5.1	2.6	0.0
80°	20.3	16.9	13.5	10.2	6.8	3.4	0.0
77.5°	26.6	21.4	16.9	12.7	8.5	4.2	0.0
75°	32.8	26.6	20.3	15.2	10.1	5.1	0.0
72.5°	38.9	31.7	24.5	17.6	11.8	5.9	0.0
70°	45.2	36.8	28.5	20.2	13.4	6.7	0.0
67.5°	52.9	41.8	32.5	23.2	15.0	7.5	0.0
65°	60.5	47.4	36.4	26.1	16.5	8.3	0.0
62.5°	68.0	53.6	40.3	29.0	18.1	9.0	0.0
60°	75.3	59.7	44.0	31.8	19.6	9.8	0.0
57.5°	84.4	65.6	48.7	34.6	21.4	10.5	0.0
55°	93.4	71.4	53.3	37.2	23.2	11.2	0.0
52.5°	102.3	77.3	57.8	39.8	24.9	11.9	0.0
50°	110.8	84.4	62.2	42.4	26.6	12.6	0.0
47.5°	119.1	91.3	66.4	45.0	28.2	13.2	0.0
45°	127.5	97.9	70.4	48.0	29.8	13.9	0.0
42.5°	135.6	104.2	74.3	50.9	31.3	14.4	0.0
40°	143.3	110.3	78.5	53.6	32.7	15.0	0.0
37.5°	150.6	116.0	83.1	56.2	34.0	15.5	0.0
35°	157.5	121.7	87.4	58.7	35.3	16.1	0.0
32.5°	164.3	127.1	91.5	61.0	36.5	16.5	0.0
30°	171.4	132.1	95.3	63.2	37.6	17.0	0.0
27.5°	178.0	136.8	98.8	65.2	38.6	17.4	0.0
25°	184.1	141.1	102.1	67.1	39.6	17.8	0.0
22.5°	189.6	145.0	105.1	68.8	40.4	18.1	0.0
20°	194.6	148.6	107.7	70.3	41.2	18.4	0.0
17.5°	199.1	151.7	110.1	71.6	41.9	18.7	0.0
15°	202.9	154.5	112.1	72.8	42.5	18.9	0.0
12.5°	206.2	156.8	113.9	73.8	43.0	19.1	0.0
10°	208.9	158.7	115.3	74.6	43.5	19.3	0.0
7.5°	211.0	160.2	116.5	75.3	43.8	19.4	0.0
5°	212.5	161.2	117.3	75.7	44.0	19.5	0.0
2.5°	213.4	161.9	117.7	76.0	44.2	19.6	0.0
0°	213.7	162.1	117.9	76.1	44.2	19.6	0.0
-2.5°	213.4	161.9	117.7	76.0	44.2	19.6	0.0
-5°	212.5	161.2	117.3	75.7	44.0	19.5	0.0
-7.5°	211.0	160.2	116.5	75.3	43.8	19.4	0.0
-10°	208.9	158.7	115.3	74.6	43.5	19.3	0.0
-12.5°	206.2	156.8	113.9	73.8	43.0	19.1	0.0
-15°	202.9	154.5	112.1	72.8	42.5	18.9	0.0
-17.5°	199.1	151.7	110.1	71.6	41.9	18.7	0.0
-20°	194.6	148.6	107.7	70.3	41.2	18.4	0.0

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REPORT NUMBER: P624756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-22

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	189.6	145.0	105.1	68.8	40.4	18.1	0.0
-25°	184.1	141.1	102.1	67.1	39.6	17.8	0.0
-27.5°	178.0	136.8	98.8	65.2	38.6	17.4	0.0
-30°	171.4	132.1	95.3	63.2	37.6	17.0	0.0
-32.5°	164.3	127.1	91.5	61.0	36.5	16.5	0.0
-35°	157.5	121.7	87.4	58.7	35.3	16.1	0.0
-37.5°	150.6	116.0	83.1	56.2	34.0	15.5	0.0
-40°	143.3	110.3	78.5	53.6	32.7	15.0	0.0
-42.5°	135.6	104.2	74.3	50.9	31.3	14.4	0.0
-45°	127.5	97.9	70.4	48.0	29.8	13.9	0.0
-47.5°	119.1	91.3	66.4	45.0	28.2	13.2	0.0
-50°	110.8	84.4	62.2	42.4	26.6	12.6	0.0
-52.5°	102.3	77.3	57.8	39.8	24.9	11.9	0.0
-55°	93.4	71.4	53.3	37.2	23.2	11.2	0.0
-57.5°	84.4	65.6	48.7	34.6	21.4	10.5	0.0
-60°	75.3	59.7	44.0	31.8	19.6	9.8	0.0
-62.5°	68.0	53.6	40.3	29.0	18.1	9.0	0.0
-65°	60.5	47.4	36.4	26.1	16.5	8.3	0.0
-67.5°	52.9	41.8	32.5	23.2	15.0	7.5	0.0
-70°	45.2	36.8	28.5	20.2	13.4	6.7	0.0
-72.5°	38.9	31.7	24.5	17.6	11.8	5.9	0.0
-75°	32.8	26.6	20.3	15.2	10.1	5.1	0.0
-77.5°	26.6	21.4	16.9	12.7	8.5	4.2	0.0
-80°	20.3	16.9	13.5	10.2	6.8	3.4	0.0
-82.5°	15.2	12.7	10.2	7.7	5.1	2.6	0.0
-85°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
-87.5°	5.1	4.2	3.4	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)