

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: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-5700K-11**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-04-E-PRO-5700K-11  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 11 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13089.3 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

NEMA Type: 1H x 1V  
Max Intensity: 392843.5 candela  
Max Intensity Angle: 0°H x 0°V

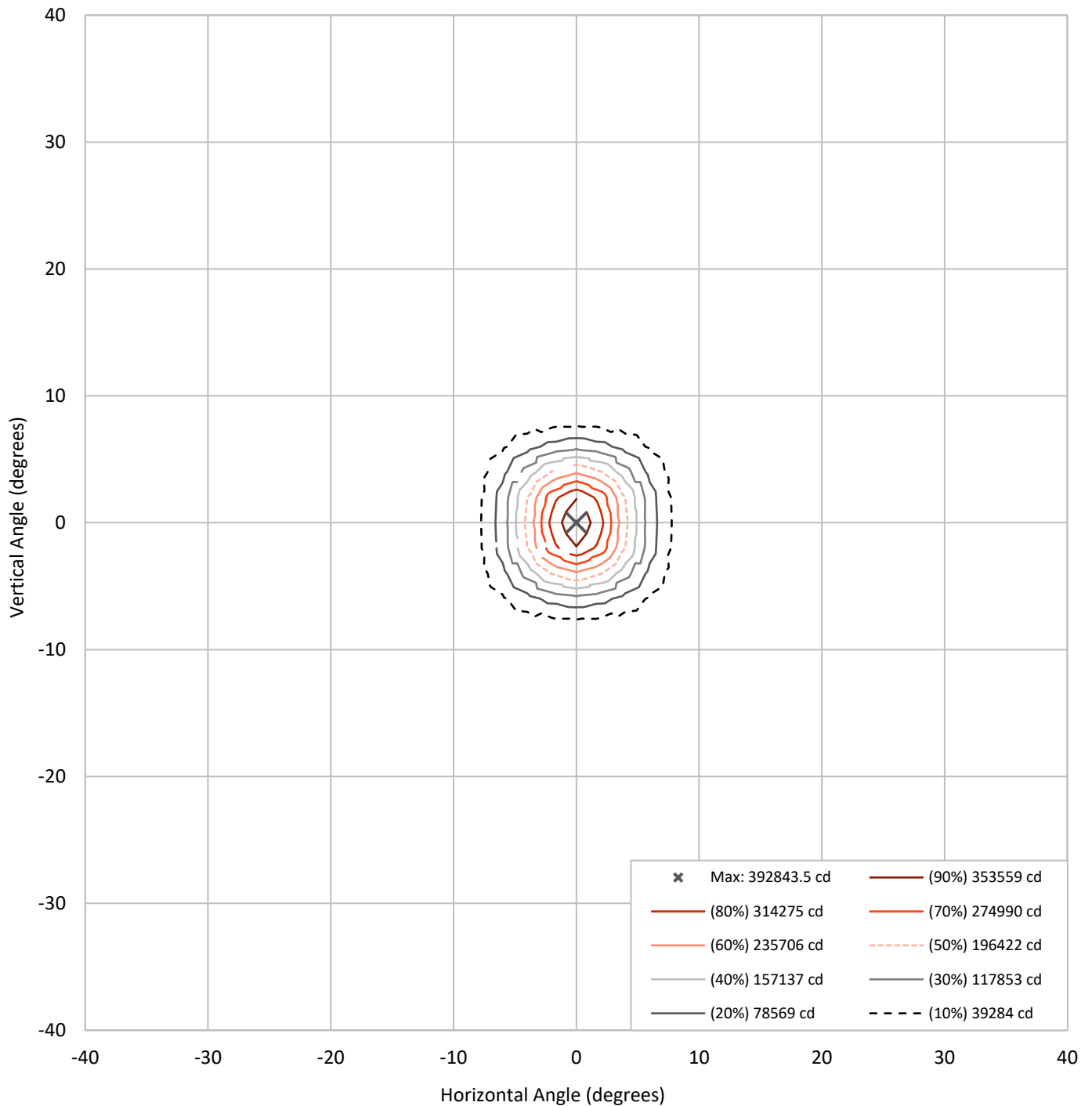
Beam Angle (50%): 8.3°H x 8.9°V  
Beam Lumens: 5887.7 lumens  
Beam Efficiency: 45.0%

Field Angle (10%): 14.9°H x 14.6°V  
Field Lumens: 9287.4 lumens  
Field Efficiency: 71.0%

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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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

### Iso-Candela Plot





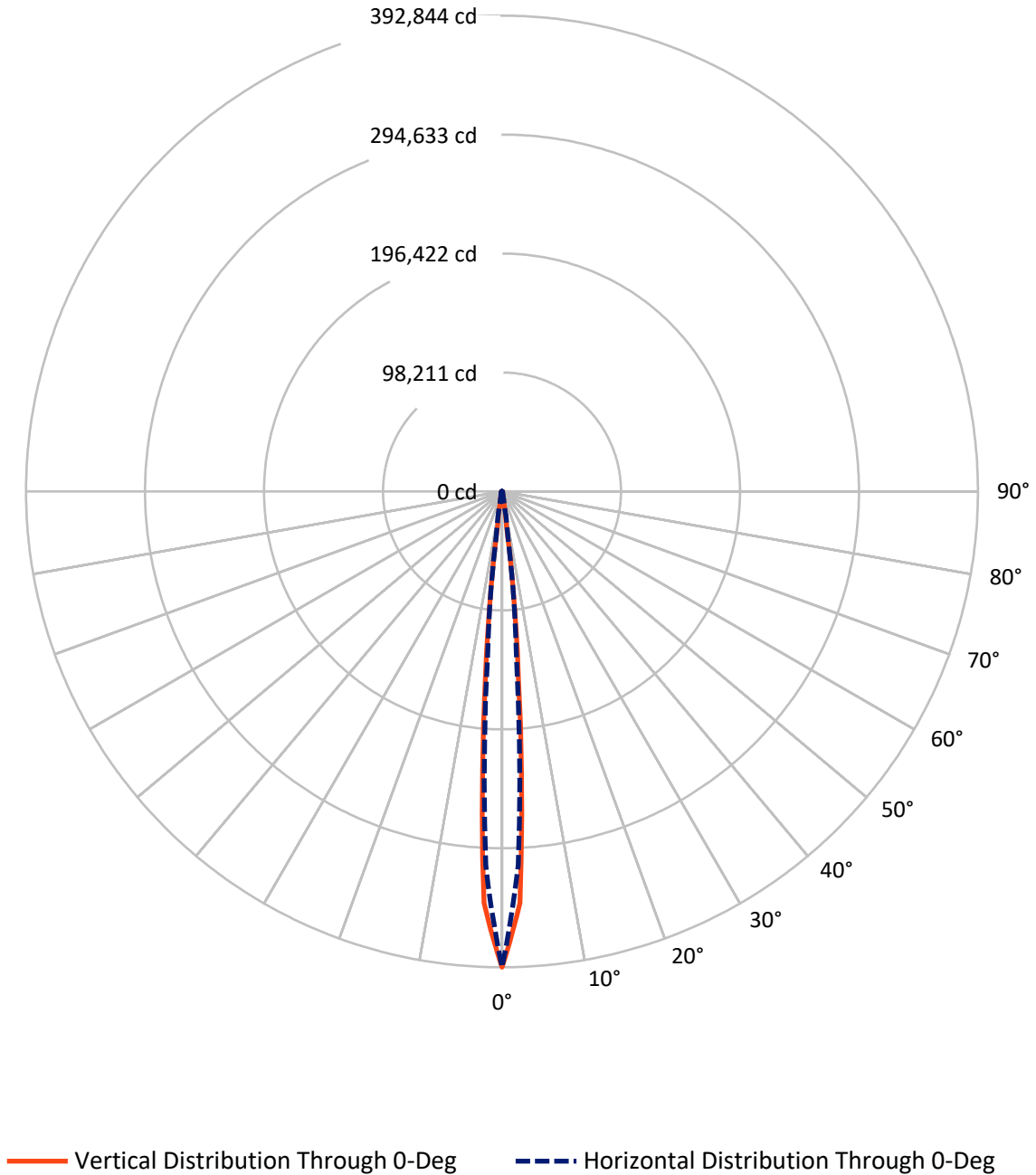
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### Lumen Table

90	0.1	0.5		1.8		4.1		7.1		4.1		1.8		0.5		0.1			
80	0.1	0.5		1.8		4.1		7.1		4.1		1.8		0.5		0.1			
70	0.3	0.3	0.9	1.8	2.8	3.5	5.7	10.5	10.5	5.7	3.5	2.8	1.8	0.9	0.3	0.3			
60		0.7	1.6	3.3	5.2	6.8	9.1	12.8	12.8	9.1	6.8	5.2	3.3	1.6	0.7				
50	0.9	1.2	2.5	5.1	8.5	12.6	16.4	20.1	20.1	16.4	12.6	8.5	5.1	2.5	1.2	0.9			
40		1.8	3.5	7.3	13.2	17.7	19.6	20.9	20.9	19.6	17.7	13.2	7.3	3.5	1.8				
30	1.8	2.7	4.8	10.3	16.2	18.6	24.6	32.7	32.7	24.6	18.6	16.2	10.3	4.8	2.7	1.8			
20		3.6	6.8	13.5	17.8	23.9	47.8	91.9	91.9	47.8	23.9	17.8	13.5	6.8	3.6				
10	2.1	4.1	8.2	15.3	18.6	31.4	95.2	2554.8	2554.8	95.2	31.4	18.6	15.3	8.2	4.1	2.1			
0		4.1	8.2	15.3	18.6	31.4	95.2	2554.8	2554.8	95.2	31.4	18.6	15.3	8.2	4.1				
-10	1.8	3.6	6.8	13.5	17.8	23.9	47.8	91.9	91.9	47.8	23.9	17.8	13.5	6.8	3.6	1.8			
-20		2.7	4.8	10.3	16.2	18.6	24.6	32.7	32.7	24.6	18.6	16.2	10.3	4.8	2.7				
-30	0.9	1.8	3.5	7.3	13.2	17.7	19.6	20.9	20.9	19.6	17.7	13.2	7.3	3.5	1.8	0.9			
-40		1.2	2.5	5.1	8.5	12.6	16.4	20.1	20.1	16.4	12.6	8.5	5.1	2.5	1.2				
-50	0.3	0.7	1.6	3.3	5.2	6.8	9.1	12.8	12.8	9.1	6.8	5.2	3.3	1.6	0.7	0.3			
-60		0.3	0.9	1.8	2.8	3.5	5.7	10.5	10.5	5.7	3.5	2.8	1.8	0.9	0.3				
-70	0.1	0.5		1.8		4.1		7.1		4.1		1.8		0.5		0.1			
-80		0.5		1.8		4.1		7.1		4.1		1.8		0.5					
-90	0.1	0.5		1.8		4.1		7.1		4.1		1.8		0.5		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

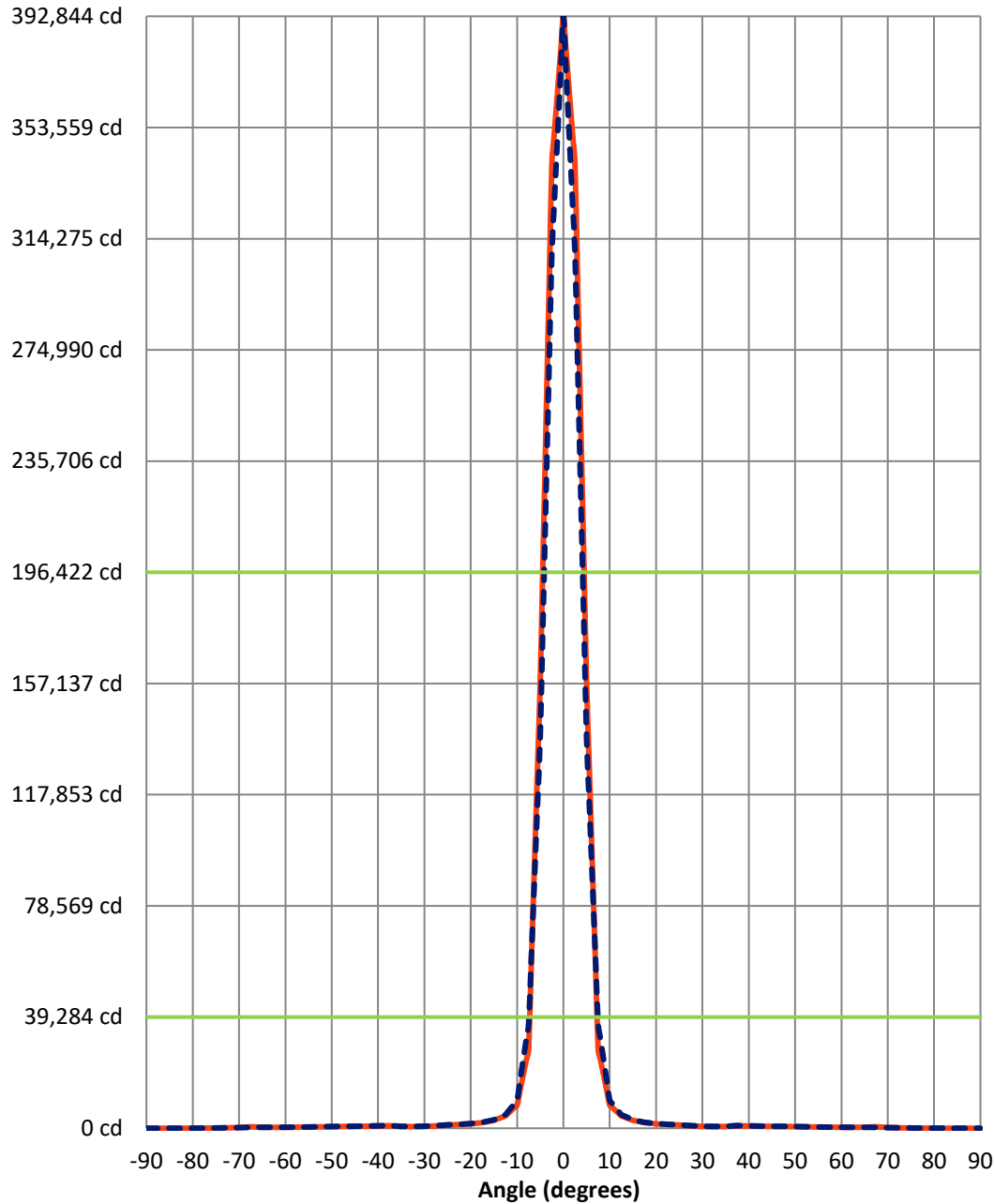
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 8.3°  
V Angle: 8.9°  
Lumens: 5887.7  
Efficiency: 45.0%

**Field:**  
H Angle: 14.9°  
V Angle: 14.6°  
Lumens: 9287.4  
Efficiency: 71.0%

**Spill:**  
Lumens: 3802  
Efficiency: 29.0%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 0-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
85°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
82.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.4	3.4	3.4
80°	0.0	0.6	1.2	1.8	2.3	2.9	3.4	3.4	3.4	3.4	3.4
77.5°	0.0	0.7	1.5	2.2	2.9	3.4	3.4	3.4	3.4	3.4	4.4
75°	0.0	0.9	1.8	2.6	3.4	3.4	3.4	3.4	3.7	6.2	8.7
72.5°	0.0	1.0	2.0	3.1	3.4	3.4	3.4	4.2	7.1	10.0	12.9
70°	0.0	1.2	2.3	3.4	3.4	3.4	3.7	7.1	10.5	13.8	16.2
67.5°	0.0	1.3	2.6	3.4	3.4	3.4	6.3	10.0	13.8	17.2	19.5
65°	0.0	1.4	2.9	3.4	3.4	4.5	8.9	12.9	17.4	20.8	23.7
62.5°	0.0	1.6	3.1	3.4	3.4	6.8	11.5	16.3	21.1	25.0	30.0
60°	0.0	1.7	3.4	3.4	3.4	9.1	14.1	19.9	24.9	31.3	36.4
57.5°	0.0	1.8	3.4	3.4	5.2	11.3	17.6	23.7	30.5	37.6	43.9
55°	0.0	1.9	3.4	3.4	7.0	13.5	21.4	27.7	36.5	44.3	52.0
52.5°	0.0	2.1	3.4	3.4	8.8	15.9	25.2	33.6	42.6	52.0	60.3
50°	0.0	2.2	3.4	3.4	10.6	19.3	29.1	39.8	49.0	59.8	69.8
47.5°	0.0	2.3	3.4	3.7	12.4	22.8	33.4	46.4	56.1	67.7	79.9
45°	0.0	2.4	3.4	5.0	14.1	26.2	39.3	53.2	64.6	77.3	90.4
42.5°	0.0	2.5	3.4	6.3	15.7	29.6	45.3	60.7	73.5	87.2	103.0
40°	0.0	2.6	3.4	7.4	17.9	33.0	51.5	68.6	83.2	97.7	116.3
37.5°	0.0	2.7	3.4	8.6	20.5	36.5	57.7	76.8	94.4	111.0	130.1
35°	0.0	2.8	3.4	9.6	23.1	40.9	63.9	85.1	105.7	126.0	143.4
32.5°	0.0	2.9	3.4	10.6	25.6	45.8	70.4	93.6	117.3	141.4	159.9
30°	0.0	2.9	3.4	11.6	28.1	50.6	77.2	102.4	129.0	157.2	178.6
27.5°	0.0	3.0	3.4	12.4	29.9	55.4	84.0	112.0	141.4	173.2	199.4
25°	0.0	3.1	3.4	13.2	31.4	60.0	90.7	121.6	154.7	190.3	222.0
22.5°	0.0	3.1	3.4	14.0	32.6	63.7	97.2	131.0	167.9	208.7	240.6
20°	0.0	3.2	3.4	14.6	33.6	65.0	103.6	140.3	181.0	227.9	259.0
17.5°	0.0	3.2	3.4	15.2	34.4	65.8	106.9	149.3	193.9	247.7	277.2
15°	0.0	3.3	3.4	15.7	35.0	66.0	108.1	155.6	206.5	267.9	295.2
12.5°	0.0	3.3	3.4	16.1	35.3	65.7	108.9	158.4	214.2	288.1	313.0
10°	0.0	3.3	3.4	16.5	35.4	64.9	109.3	160.8	217.7	295.7	325.3
7.5°	0.0	3.4	3.4	16.7	35.4	63.8	109.2	162.7	220.3	300.1	326.7
5°	0.0	3.4	3.4	16.9	35.1	62.2	108.7	163.9	221.9	303.1	327.8
2.5°	0.0	3.4	3.4	17.1	34.7	60.3	107.7	164.5	222.7	304.7	328.5
0°	0.0	3.4	3.4	17.1	34.2	58.2	106.1	164.3	222.5	304.7	328.7
-2.5°	0.0	3.4	3.4	17.1	34.7	60.3	107.7	164.5	222.7	304.7	328.5
-5°	0.0	3.4	3.4	16.9	35.1	62.2	108.7	163.9	221.9	303.1	327.8
-7.5°	0.0	3.4	3.4	16.7	35.4	63.8	109.2	162.7	220.3	300.1	326.7
-10°	0.0	3.3	3.4	16.5	35.4	64.9	109.3	160.8	217.7	295.7	325.3
-12.5°	0.0	3.3	3.4	16.1	35.3	65.7	108.9	158.4	214.2	288.1	313.0
-15°	0.0	3.3	3.4	15.7	35.0	66.0	108.1	155.6	206.5	267.9	295.2
-17.5°	0.0	3.2	3.4	15.2	34.4	65.8	106.9	149.3	193.9	247.7	277.2
-20°	0.0	3.2	3.4	14.6	33.6	65.0	103.6	140.3	181.0	227.9	259.0

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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.1	3.4	14.0	32.6	63.7	97.2	131.0	167.9	208.7	240.6
-25°	0.0	3.1	3.4	13.2	31.4	60.0	90.7	121.6	154.7	190.3	222.0
-27.5°	0.0	3.0	3.4	12.4	29.9	55.4	84.0	112.0	141.4	173.2	199.4
-30°	0.0	2.9	3.4	11.6	28.1	50.6	77.2	102.4	129.0	157.2	178.6
-32.5°	0.0	2.9	3.4	10.6	25.6	45.8	70.4	93.6	117.3	141.4	159.9
-35°	0.0	2.8	3.4	9.6	23.1	40.9	63.9	85.1	105.7	126.0	143.4
-37.5°	0.0	2.7	3.4	8.6	20.5	36.5	57.7	76.8	94.4	111.0	130.1
-40°	0.0	2.6	3.4	7.4	17.9	33.0	51.5	68.6	83.2	97.7	116.3
-42.5°	0.0	2.5	3.4	6.3	15.7	29.6	45.3	60.7	73.5	87.2	103.0
-45°	0.0	2.4	3.4	5.0	14.1	26.2	39.3	53.2	64.6	77.3	90.4
-47.5°	0.0	2.3	3.4	3.7	12.4	22.8	33.4	46.4	56.1	67.7	79.9
-50°	0.0	2.2	3.4	3.4	10.6	19.3	29.1	39.8	49.0	59.8	69.8
-52.5°	0.0	2.1	3.4	3.4	8.8	15.9	25.2	33.6	42.6	52.0	60.3
-55°	0.0	1.9	3.4	3.4	7.0	13.5	21.4	27.7	36.5	44.3	52.0
-57.5°	0.0	1.8	3.4	3.4	5.2	11.3	17.6	23.7	30.5	37.6	43.9
-60°	0.0	1.7	3.4	3.4	3.4	9.1	14.1	19.9	24.9	31.3	36.4
-62.5°	0.0	1.6	3.1	3.4	3.4	6.8	11.5	16.3	21.1	25.0	30.0
-65°	0.0	1.4	2.9	3.4	3.4	4.5	8.9	12.9	17.4	20.8	23.7
-67.5°	0.0	1.3	2.6	3.4	3.4	3.4	6.3	10.0	13.8	17.2	19.5
-70°	0.0	1.2	2.3	3.4	3.4	3.4	3.7	7.1	10.5	13.8	16.2
-72.5°	0.0	1.0	2.0	3.1	3.4	3.4	3.4	4.2	7.1	10.0	12.9
-75°	0.0	0.9	1.8	2.6	3.4	3.4	3.4	3.4	3.7	6.2	8.7
-77.5°	0.0	0.7	1.5	2.2	2.9	3.4	3.4	3.4	3.4	3.4	4.4
-80°	0.0	0.6	1.2	1.8	2.3	2.9	3.4	3.4	3.4	3.4	3.4
-82.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.4	3.4	3.4
-85°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
-87.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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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°	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	1.9	1.3	0.7
85°	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.6	4.2	4.8	5.4	6.0
80°	3.4	3.4	4.5	5.4	6.3	7.3	8.2	9.1	9.9	11.0	12.2
77.5°	6.2	7.7	8.7	9.5	10.7	13.0	15.3	17.4	19.1	20.3	21.1
75°	10.6	12.1	13.7	16.0	18.9	21.7	24.4	27.1	29.4	32.1	35.2
72.5°	14.7	16.7	19.6	23.2	27.7	31.3	34.3	36.9	41.8	47.8	52.5
70°	18.1	21.2	26.3	32.1	37.6	41.7	47.7	55.3	63.3	67.8	70.6
67.5°	21.7	27.7	34.0	40.9	47.8	54.7	63.4	71.9	79.7	83.4	86.8
65°	27.5	34.3	41.9	49.8	57.4	66.8	76.1	85.2	93.2	97.8	102.8
62.5°	33.4	41.5	50.1	58.8	68.4	78.5	88.7	97.6	105.1	113.4	122.9
60°	41.2	48.9	58.3	68.4	79.4	91.4	101.6	113.1	122.7	131.3	146.4
57.5°	49.5	56.1	66.6	78.2	91.4	105.8	121.1	133.0	144.9	157.4	172.5
55°	58.1	63.1	75.0	88.6	104.9	126.3	142.6	156.3	170.2	181.4	194.6
52.5°	67.6	71.7	83.8	100.1	121.4	144.3	164.0	178.4	191.2	203.4	216.2
50°	77.6	83.6	92.7	113.5	136.1	159.8	183.7	198.0	212.4	225.7	239.4
47.5°	89.6	96.5	103.4	125.4	148.9	173.7	198.2	218.5	234.1	250.8	266.8
45°	102.8	111.1	118.4	135.8	160.6	186.4	213.3	239.4	258.3	278.4	304.5
42.5°	116.7	125.9	134.2	145.0	171.8	199.4	228.0	258.3	284.7	313.1	345.9
40°	130.2	140.5	149.5	160.5	182.5	212.3	244.1	277.3	316.1	353.2	391.8
37.5°	143.4	154.2	164.7	177.9	193.6	225.8	259.9	301.4	348.4	397.2	452.3
35°	156.4	167.5	180.4	195.2	212.3	239.9	281.1	328.0	384.4	450.0	503.7
32.5°	168.6	180.4	195.4	212.0	233.2	259.9	301.9	360.3	427.4	495.7	539.5
30°	183.7	193.7	209.9	227.7	253.8	288.2	330.8	393.5	471.9	525.4	565.1
27.5°	204.3	207.2	223.8	245.1	274.9	316.2	369.6	434.7	503.2	552.5	587.5
25°	224.8	229.3	236.8	262.6	299.9	349.0	410.4	487.0	531.5	573.0	609.9
22.5°	245.1	250.6	260.3	279.4	324.3	382.7	457.2	528.9	573.7	598.5	632.3
20°	264.8	272.3	286.1	309.8	350.0	415.1	502.8	570.1	615.0	640.0	663.3
17.5°	283.9	294.0	312.7	342.5	388.5	454.3	545.7	612.1	659.0	676.1	703.9
15°	302.4	315.6	338.7	373.5	425.4	498.3	581.1	648.6	697.1	709.0	741.4
12.5°	320.4	336.9	364.0	402.7	460.0	536.9	611.7	672.2	714.9	741.1	777.1
10°	337.8	357.9	388.6	430.2	492.0	570.4	637.2	690.2	728.7	765.4	809.9
7.5°	340.3	368.4	408.7	456.0	521.6	599.1	658.4	703.3	744.2	788.8	845.6
5°	340.2	367.4	408.3	460.4	532.8	615.9	672.7	712.3	760.2	811.0	882.0
2.5°	339.7	365.5	406.7	460.4	531.3	617.6	671.3	713.0	767.2	840.5	917.2
0°	338.9	362.9	404.0	458.8	527.3	616.3	667.6	712.1	770.3	873.0	948.4
-2.5°	339.7	365.5	406.7	460.4	531.3	617.6	671.3	713.0	767.2	840.5	917.2
-5°	340.2	367.4	408.3	460.4	532.8	615.9	672.7	712.3	760.2	811.0	882.0
-7.5°	340.3	368.4	408.7	456.0	521.6	599.1	658.4	703.3	744.2	788.8	845.6
-10°	337.8	357.9	388.6	430.2	492.0	570.4	637.2	690.2	728.7	765.4	809.9
-12.5°	320.4	336.9	364.0	402.7	460.0	536.9	611.7	672.2	714.9	741.1	777.1
-15°	302.4	315.6	338.7	373.5	425.4	498.3	581.1	648.6	697.1	709.0	741.4
-17.5°	283.9	294.0	312.7	342.5	388.5	454.3	545.7	612.1	659.0	676.1	703.9
-20°	264.8	272.3	286.1	309.8	350.0	415.1	502.8	570.1	615.0	640.0	663.3

Classified

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

Scaled Data Report



REPORT NUMBER: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	245.1	250.6	260.3	279.4	324.3	382.7	457.2	528.9	573.7	598.5	632.3
-25°	224.8	229.3	236.8	262.6	299.9	349.0	410.4	487.0	531.5	573.0	609.9
-27.5°	204.3	207.2	223.8	245.1	274.9	316.2	369.6	434.7	503.2	552.5	587.5
-30°	183.7	193.7	209.9	227.7	253.8	288.2	330.8	393.5	471.9	525.4	565.1
-32.5°	168.6	180.4	195.4	212.0	233.2	259.9	301.9	360.3	427.4	495.7	539.5
-35°	156.4	167.5	180.4	195.2	212.3	239.9	281.1	328.0	384.4	450.0	503.7
-37.5°	143.4	154.2	164.7	177.9	193.6	225.8	259.9	301.4	348.4	397.2	452.3
-40°	130.2	140.5	149.5	160.5	182.5	212.3	244.1	277.3	316.1	353.2	391.8
-42.5°	116.7	125.9	134.2	145.0	171.8	199.4	228.0	258.3	284.7	313.1	345.9
-45°	102.8	111.1	118.4	135.8	160.6	186.4	213.3	239.4	258.3	278.4	304.5
-47.5°	89.6	96.5	103.4	125.4	148.9	173.7	198.2	218.5	234.1	250.8	266.8
-50°	77.6	83.6	92.7	113.5	136.1	159.8	183.7	198.0	212.4	225.7	239.4
-52.5°	67.6	71.7	83.8	100.1	121.4	144.3	164.0	178.4	191.2	203.4	216.2
-55°	58.1	63.1	75.0	88.6	104.9	126.3	142.6	156.3	170.2	181.4	194.6
-57.5°	49.5	56.1	66.6	78.2	91.4	105.8	121.1	133.0	144.9	157.4	172.5
-60°	41.2	48.9	58.3	68.4	79.4	91.4	101.6	113.1	122.7	131.3	146.4
-62.5°	33.4	41.5	50.1	58.8	68.4	78.5	88.7	97.6	105.1	113.4	122.9
-65°	27.5	34.3	41.9	49.8	57.4	66.8	76.1	85.2	93.2	97.8	102.8
-67.5°	21.7	27.7	34.0	40.9	47.8	54.7	63.4	71.9	79.7	83.4	86.8
-70°	18.1	21.2	26.3	32.1	37.6	41.7	47.7	55.3	63.3	67.8	70.6
-72.5°	14.7	16.7	19.6	23.2	27.7	31.3	34.3	36.9	41.8	47.8	52.5
-75°	10.6	12.1	13.7	16.0	18.9	21.7	24.4	27.1	29.4	32.1	35.2
-77.5°	6.2	7.7	8.7	9.5	10.7	13.0	15.3	17.4	19.1	20.3	21.1
-80°	3.4	3.4	4.5	5.4	6.3	7.3	8.2	9.1	9.9	11.0	12.2
-82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.6	4.2	4.8	5.4	6.0
-85°	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.4
-87.5°	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	1.9	1.3	0.7
-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: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	2.3	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.2	3.3
82.5°	6.5	6.6	6.5	6.3	5.9	6.6	7.6	8.5	9.6	9.8	10.0
80°	13.1	13.6	14.1	14.7	15.4	17.6	20.0	22.5	24.9	25.8	26.4
77.5°	22.4	24.5	26.1	27.3	27.9	31.6	36.4	41.5	46.7	49.8	52.5
75°	38.7	40.9	41.7	42.1	42.2	48.4	58.1	68.5	79.5	85.0	88.7
72.5°	56.0	57.8	58.4	58.6	58.2	67.2	84.5	103.3	123.4	134.5	142.0
70°	73.2	75.1	75.4	75.4	75.1	85.7	110.2	135.7	161.9	188.2	216.5
67.5°	90.6	94.3	95.1	95.1	95.1	103.1	128.1	151.1	172.6	221.0	298.3
65°	109.3	118.2	120.5	120.7	119.4	121.8	143.1	162.4	179.9	215.3	268.4
62.5°	133.6	145.5	149.5	149.7	148.9	147.0	164.7	181.2	196.4	219.1	255.2
60°	160.2	172.9	178.7	178.7	177.9	176.5	189.2	204.8	219.6	238.2	272.7
57.5°	185.1	197.2	206.4	207.1	206.9	206.0	216.0	233.8	251.0	269.6	306.6
55°	208.1	221.1	233.4	237.1	239.7	241.2	249.6	273.2	296.2	318.5	355.7
52.5°	230.7	247.1	262.9	272.4	280.7	288.2	297.1	326.4	354.8	381.7	417.6
50°	257.8	277.6	300.1	318.2	332.0	345.7	358.0	391.2	430.3	468.0	505.7
47.5°	291.9	317.6	345.3	372.5	393.4	419.0	442.2	476.6	514.8	554.4	588.8
45°	332.2	364.8	398.7	439.8	474.1	492.1	506.7	529.7	571.1	611.8	645.1
42.5°	379.2	423.6	470.6	502.6	526.9	542.3	552.9	562.6	606.5	644.5	674.9
40°	442.2	488.8	520.5	547.6	565.8	579.9	594.7	611.1	641.3	676.0	709.5
37.5°	499.7	533.0	560.7	582.8	601.2	617.0	636.6	655.1	679.5	721.7	751.3
35°	539.8	568.4	595.9	618.9	639.7	657.7	682.8	720.0	753.0	721.0	674.5
32.5°	570.0	598.4	628.0	662.2	688.0	721.0	757.3	687.0	614.7	585.4	590.4
30°	595.4	625.5	662.7	708.6	753.7	727.0	627.5	591.3	597.3	611.5	643.6
27.5°	619.3	652.4	696.7	760.0	713.7	603.1	601.6	613.5	661.5	704.9	775.7
25°	644.9	680.4	746.3	711.0	610.8	611.2	643.2	695.6	795.4	891.4	986.6
22.5°	672.9	730.0	734.3	612.4	615.3	656.9	728.6	855.9	988.2	1124.4	1220.2
20°	705.4	777.9	653.9	619.7	654.1	735.2	881.1	1045.6	1203.0	1300.6	1385.8
17.5°	752.6	719.1	627.5	639.3	715.9	868.9	1053.3	1227.4	1349.9	1502.7	1640.6
15°	793.0	663.2	636.3	693.9	822.4	1008.9	1218.3	1357.3	1553.5	1779.7	2042.1
12.5°	768.2	641.8	653.8	744.3	922.9	1147.8	1321.9	1522.1	1789.9	2126.5	2656.8
10°	735.2	649.8	694.2	823.1	1024.0	1247.6	1420.3	1676.7	2054.7	2664.1	3635.8
7.5°	712.3	652.7	719.9	882.6	1109.0	1309.4	1528.9	1863.6	2393.4	3301.5	4806.9
5°	693.2	651.1	728.6	912.1	1160.9	1351.1	1604.8	2008.6	2720.1	4095.1	7620.0
2.5°	682.5	648.0	728.6	926.1	1189.7	1374.4	1643.8	2077.8	2907.6	4612.0	9390.9
0°	684.7	647.1	725.8	931.2	1201.7	1386.6	1660.5	2109.0	2988.9	4817.2	9839.7
-2.5°	682.5	648.0	728.6	926.1	1189.7	1374.4	1643.8	2077.8	2907.6	4612.0	9390.9
-5°	693.2	651.1	728.6	912.1	1160.9	1351.1	1604.8	2008.6	2720.1	4095.1	7620.0
-7.5°	712.3	652.7	719.9	882.6	1109.0	1309.4	1528.9	1863.6	2393.4	3301.5	4806.9
-10°	735.2	649.8	694.2	823.1	1024.0	1247.6	1420.3	1676.7	2054.7	2664.1	3635.8
-12.5°	768.2	641.8	653.8	744.3	922.9	1147.8	1321.9	1522.1	1789.9	2126.5	2656.8
-15°	793.0	663.2	636.3	693.9	822.4	1008.9	1218.3	1357.3	1553.5	1779.7	2042.1
-17.5°	752.6	719.1	627.5	639.3	715.9	868.9	1053.3	1227.4	1349.9	1502.7	1640.6
-20°	705.4	777.9	653.9	619.7	654.1	735.2	881.1	1045.6	1203.0	1300.6	1385.8

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REPORT NUMBER: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	672.9	730.0	734.3	612.4	615.3	656.9	728.6	855.9	988.2	1124.4	1220.2
-25°	644.9	680.4	746.3	711.0	610.8	611.2	643.2	695.6	795.4	891.4	986.6
-27.5°	619.3	652.4	696.7	760.0	713.7	603.1	601.6	613.5	661.5	704.9	775.7
-30°	595.4	625.5	662.7	708.6	753.7	727.0	627.5	591.3	597.3	611.5	643.6
-32.5°	570.0	598.4	628.0	662.2	688.0	721.0	757.3	687.0	614.7	585.4	590.4
-35°	539.8	568.4	595.9	618.9	639.7	657.7	682.8	720.0	753.0	721.0	674.5
-37.5°	499.7	533.0	560.7	582.8	601.2	617.0	636.6	655.1	679.5	721.7	751.3
-40°	442.2	488.8	520.5	547.6	565.8	579.9	594.7	611.1	641.3	676.0	709.5
-42.5°	379.2	423.6	470.6	502.6	526.9	542.3	552.9	562.6	606.5	644.5	674.9
-45°	332.2	364.8	398.7	439.8	474.1	492.1	506.7	529.7	571.1	611.8	645.1
-47.5°	291.9	317.6	345.3	372.5	393.4	419.0	442.2	476.6	514.8	554.4	588.8
-50°	257.8	277.6	300.1	318.2	332.0	345.7	358.0	391.2	430.3	468.0	505.7
-52.5°	230.7	247.1	262.9	272.4	280.7	288.2	297.1	326.4	354.8	381.7	417.6
-55°	208.1	221.1	233.4	237.1	239.7	241.2	249.6	273.2	296.2	318.5	355.7
-57.5°	185.1	197.2	206.4	207.1	206.9	206.0	216.0	233.8	251.0	269.6	306.6
-60°	160.2	172.9	178.7	178.7	177.9	176.5	189.2	204.8	219.6	238.2	272.7
-62.5°	133.6	145.5	149.5	149.7	148.9	147.0	164.7	181.2	196.4	219.1	255.2
-65°	109.3	118.2	120.5	120.7	119.4	121.8	143.1	162.4	179.9	215.3	268.4
-67.5°	90.6	94.3	95.1	95.1	95.1	103.1	128.1	151.1	172.6	221.0	298.3
-70°	73.2	75.1	75.4	75.4	75.1	85.7	110.2	135.7	161.9	188.2	216.5
-72.5°	56.0	57.8	58.4	58.6	58.2	67.2	84.5	103.3	123.4	134.5	142.0
-75°	38.7	40.9	41.7	42.1	42.2	48.4	58.1	68.5	79.5	85.0	88.7
-77.5°	22.4	24.5	26.1	27.3	27.9	31.6	36.4	41.5	46.7	49.8	52.5
-80°	13.1	13.6	14.1	14.7	15.4	17.6	20.0	22.5	24.9	25.8	26.4
-82.5°	6.5	6.6	6.5	6.3	5.9	6.6	7.6	8.5	9.6	9.8	10.0
-85°	2.2	2.3	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.2	3.3
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.1
82.5°	10.1	10.2	10.3	10.3	10.3	10.2	10.1	10.0	9.8	9.6	8.5
80°	26.8	27.1	27.3	27.4	27.3	27.1	26.8	26.4	25.8	24.9	22.5
77.5°	55.1	57.5	54.7	51.4	54.7	57.5	55.1	52.5	49.8	46.7	41.5
75°	92.0	94.9	90.7	85.6	90.7	94.9	92.0	88.7	85.0	79.5	68.5
72.5°	149.0	155.4	155.4	154.1	155.4	155.4	149.0	142.0	134.5	123.4	103.3
70°	246.4	277.0	275.2	267.0	275.2	277.0	246.4	216.5	188.2	161.9	135.7
67.5°	382.3	469.9	498.6	513.6	498.6	469.9	382.3	298.3	221.0	172.6	151.1
65°	316.6	362.1	376.8	386.9	376.8	362.1	316.6	268.4	215.3	179.9	162.4
62.5°	288.4	319.8	325.9	325.3	325.9	319.8	288.4	255.2	219.1	196.4	181.2
60°	306.5	339.6	344.6	338.9	344.6	339.6	306.5	272.7	238.2	219.6	204.8
57.5°	342.7	377.9	386.9	383.5	386.9	377.9	342.7	306.6	269.6	251.0	233.8
55°	391.3	424.7	438.8	441.7	438.8	424.7	391.3	355.7	318.5	296.2	273.2
52.5°	453.7	487.4	499.7	496.4	499.7	487.4	453.7	417.6	381.7	354.8	326.4
50°	539.0	567.1	578.2	575.2	578.2	567.1	539.0	505.7	468.0	430.3	391.2
47.5°	612.9	632.4	642.4	643.7	642.4	632.4	612.9	588.8	554.4	514.8	476.6
45°	658.7	668.6	673.8	674.5	673.8	668.6	658.7	645.1	611.8	571.1	529.7
42.5°	693.1	713.5	728.0	729.3	728.0	713.5	693.1	674.9	644.5	606.5	562.6
40°	736.3	759.9	784.9	818.3	784.9	759.9	736.3	709.5	676.0	641.3	611.1
37.5°	782.2	818.1	856.2	900.4	856.2	818.1	782.2	751.3	721.7	679.5	655.1
35°	642.7	623.1	612.6	619.7	612.6	623.1	642.7	674.5	721.0	753.0	720.0
32.5°	594.1	595.0	592.7	592.3	592.7	595.0	594.1	590.4	585.4	614.7	687.0
30°	669.1	674.0	668.0	657.4	668.0	674.0	669.1	643.6	611.5	597.3	591.3
27.5°	826.9	851.7	859.3	849.1	859.3	851.7	826.9	775.7	704.9	661.5	613.5
25°	1065.0	1118.3	1145.5	1150.4	1145.5	1118.3	1065.0	986.6	891.4	795.4	695.6
22.5°	1269.9	1302.5	1321.0	1321.6	1321.0	1302.5	1269.9	1220.2	1124.4	988.2	855.9
20°	1479.3	1535.7	1560.5	1554.4	1560.5	1535.7	1479.3	1385.8	1300.6	1203.0	1045.6
17.5°	1812.0	1930.2	1987.2	1992.6	1987.2	1930.2	1812.0	1640.6	1502.7	1349.9	1227.4
15°	2342.2	2618.5	2773.1	2793.7	2773.1	2618.5	2342.2	2042.1	1779.7	1553.5	1357.3
12.5°	3237.1	3894.4	4311.0	4368.7	4311.0	3894.4	3237.1	2656.8	2126.5	1789.9	1522.1
10°	4731.3	6850.1	8134.9	8196.4	8134.9	6850.1	4731.3	3635.8	2664.1	2054.7	1676.7
7.5°	9230.6	15042.4	24351.3	28163.5	24351.3	15042.4	9230.6	4806.9	3301.5	2393.4	1863.6
5°	18861.8	67111.8	130484.8	157672.2	130484.8	67111.8	18861.8	7620.0	4095.1	2720.1	2008.6
2.5°	34275.6	135147.5	280957.1	340140.6	280957.1	135147.5	34275.6	9390.9	4612.0	2907.6	2077.8
0°	37094.2	138030.3	308888.9	392843.5	308888.9	138030.3	37094.2	9839.7	4817.2	2988.9	2109.0
-2.5°	34275.6	135147.5	280957.1	340140.6	280957.1	135147.5	34275.6	9390.9	4612.0	2907.6	2077.8
-5°	18861.8	67111.8	130484.8	157672.2	130484.8	67111.8	18861.8	7620.0	4095.1	2720.1	2008.6
-7.5°	9230.6	15042.4	24351.3	28163.5	24351.3	15042.4	9230.6	4806.9	3301.5	2393.4	1863.6
-10°	4731.3	6850.1	8134.9	8196.4	8134.9	6850.1	4731.3	3635.8	2664.1	2054.7	1676.7
-12.5°	3237.1	3894.4	4311.0	4368.7	4311.0	3894.4	3237.1	2656.8	2126.5	1789.9	1522.1
-15°	2342.2	2618.5	2773.1	2793.7	2773.1	2618.5	2342.2	2042.1	1779.7	1553.5	1357.3
-17.5°	1812.0	1930.2	1987.2	1992.6	1987.2	1930.2	1812.0	1640.6	1502.7	1349.9	1227.4
-20°	1479.3	1535.7	1560.5	1554.4	1560.5	1535.7	1479.3	1385.8	1300.6	1203.0	1045.6

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1269.9	1302.5	1321.0	1321.6	1321.0	1302.5	1269.9	1220.2	1124.4	988.2	855.9
-25°	1065.0	1118.3	1145.5	1150.4	1145.5	1118.3	1065.0	986.6	891.4	795.4	695.6
-27.5°	826.9	851.7	859.3	849.1	859.3	851.7	826.9	775.7	704.9	661.5	613.5
-30°	669.1	674.0	668.0	657.4	668.0	674.0	669.1	643.6	611.5	597.3	591.3
-32.5°	594.1	595.0	592.7	592.3	592.7	595.0	594.1	590.4	585.4	614.7	687.0
-35°	642.7	623.1	612.6	619.7	612.6	623.1	642.7	674.5	721.0	753.0	720.0
-37.5°	782.2	818.1	856.2	900.4	856.2	818.1	782.2	751.3	721.7	679.5	655.1
-40°	736.3	759.9	784.9	818.3	784.9	759.9	736.3	709.5	676.0	641.3	611.1
-42.5°	693.1	713.5	728.0	729.3	728.0	713.5	693.1	674.9	644.5	606.5	562.6
-45°	658.7	668.6	673.8	674.5	673.8	668.6	658.7	645.1	611.8	571.1	529.7
-47.5°	612.9	632.4	642.4	643.7	642.4	632.4	612.9	588.8	554.4	514.8	476.6
-50°	539.0	567.1	578.2	575.2	578.2	567.1	539.0	505.7	468.0	430.3	391.2
-52.5°	453.7	487.4	499.7	496.4	499.7	487.4	453.7	417.6	381.7	354.8	326.4
-55°	391.3	424.7	438.8	441.7	438.8	424.7	391.3	355.7	318.5	296.2	273.2
-57.5°	342.7	377.9	386.9	383.5	386.9	377.9	342.7	306.6	269.6	251.0	233.8
-60°	306.5	339.6	344.6	338.9	344.6	339.6	306.5	272.7	238.2	219.6	204.8
-62.5°	288.4	319.8	325.9	325.3	325.9	319.8	288.4	255.2	219.1	196.4	181.2
-65°	316.6	362.1	376.8	386.9	376.8	362.1	316.6	268.4	215.3	179.9	162.4
-67.5°	382.3	469.9	498.6	513.6	498.6	469.9	382.3	298.3	221.0	172.6	151.1
-70°	246.4	277.0	275.2	267.0	275.2	277.0	246.4	216.5	188.2	161.9	135.7
-72.5°	149.0	155.4	155.4	154.1	155.4	155.4	149.0	142.0	134.5	123.4	103.3
-75°	92.0	94.9	90.7	85.6	90.7	94.9	92.0	88.7	85.0	79.5	68.5
-77.5°	55.1	57.5	54.7	51.4	54.7	57.5	55.1	52.5	49.8	46.7	41.5
-80°	26.8	27.1	27.3	27.4	27.3	27.1	26.8	26.4	25.8	24.9	22.5
-82.5°	10.1	10.2	10.3	10.3	10.3	10.2	10.1	10.0	9.8	9.6	8.5
-85°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.1
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	2.4
85°	3.0	2.9	2.8	2.6	2.5	2.3	2.2	2.4	2.6	3.0	3.4
82.5°	7.6	6.6	5.9	6.3	6.5	6.6	6.5	6.0	5.4	4.8	4.2
80°	20.0	17.6	15.4	14.7	14.1	13.6	13.1	12.2	11.0	9.9	9.1
77.5°	36.4	31.6	27.9	27.3	26.1	24.5	22.4	21.1	20.3	19.1	17.4
75°	58.1	48.4	42.2	42.1	41.7	40.9	38.7	35.2	32.1	29.4	27.1
72.5°	84.5	67.2	58.2	58.6	58.4	57.8	56.0	52.5	47.8	41.8	36.9
70°	110.2	85.7	75.1	75.4	75.4	75.1	73.2	70.6	67.8	63.3	55.3
67.5°	128.1	103.1	95.1	95.1	95.1	94.3	90.6	86.8	83.4	79.7	71.9
65°	143.1	121.8	119.4	120.7	120.5	118.2	109.3	102.8	97.8	93.2	85.2
62.5°	164.7	147.0	148.9	149.7	149.5	145.5	133.6	122.9	113.4	105.1	97.6
60°	189.2	176.5	177.9	178.7	178.7	172.9	160.2	146.4	131.3	122.7	113.1
57.5°	216.0	206.0	206.9	207.1	206.4	197.2	185.1	172.5	157.4	144.9	133.0
55°	249.6	241.2	239.7	237.1	233.4	221.1	208.1	194.6	181.4	170.2	156.3
52.5°	297.1	288.2	280.7	272.4	262.9	247.1	230.7	216.2	203.4	191.2	178.4
50°	358.0	345.7	332.0	318.2	300.1	277.6	257.8	239.4	225.7	212.4	198.0
47.5°	442.2	419.0	393.4	372.5	345.3	317.6	291.9	266.8	250.8	234.1	218.5
45°	506.7	492.1	474.1	439.8	398.7	364.8	332.2	304.5	278.4	258.3	239.4
42.5°	552.9	542.3	526.9	502.6	470.6	423.6	379.2	345.9	313.1	284.7	258.3
40°	594.7	579.9	565.8	547.6	520.5	488.8	442.2	391.8	353.2	316.1	277.3
37.5°	636.6	617.0	601.2	582.8	560.7	533.0	499.7	452.3	397.2	348.4	301.4
35°	682.8	657.7	639.7	618.9	595.9	568.4	539.8	503.7	450.0	384.4	328.0
32.5°	757.3	721.0	688.0	662.2	628.0	598.4	570.0	539.5	495.7	427.4	360.3
30°	627.5	727.0	753.7	708.6	662.7	625.5	595.4	565.1	525.4	471.9	393.5
27.5°	601.6	603.1	713.7	760.0	696.7	652.4	619.3	587.5	552.5	503.2	434.7
25°	643.2	611.2	610.8	711.0	746.3	680.4	644.9	609.9	573.0	531.5	487.0
22.5°	728.6	656.9	615.3	612.4	734.3	730.0	672.9	632.3	598.5	573.7	528.9
20°	881.1	735.2	654.1	619.7	653.9	777.9	705.4	663.3	640.0	615.0	570.1
17.5°	1053.3	868.9	715.9	639.3	627.5	719.1	752.6	703.9	676.1	659.0	612.1
15°	1218.3	1008.9	822.4	693.9	636.3	663.2	793.0	741.4	709.0	697.1	648.6
12.5°	1321.9	1147.8	922.9	744.3	653.8	641.8	768.2	777.1	741.1	714.9	672.2
10°	1420.3	1247.6	1024.0	823.1	694.2	649.8	735.2	809.9	765.4	728.7	690.2
7.5°	1528.9	1309.4	1109.0	882.6	719.9	652.7	712.3	845.6	788.8	744.2	703.3
5°	1604.8	1351.1	1160.9	912.1	728.6	651.1	693.2	882.0	811.0	760.2	712.3
2.5°	1643.8	1374.4	1189.7	926.1	728.6	648.0	682.5	917.2	840.5	767.2	713.0
0°	1660.5	1386.6	1201.7	931.2	725.8	647.1	684.7	948.4	873.0	770.3	712.1
-2.5°	1643.8	1374.4	1189.7	926.1	728.6	648.0	682.5	917.2	840.5	767.2	713.0
-5°	1604.8	1351.1	1160.9	912.1	728.6	651.1	693.2	882.0	811.0	760.2	712.3
-7.5°	1528.9	1309.4	1109.0	882.6	719.9	652.7	712.3	845.6	788.8	744.2	703.3
-10°	1420.3	1247.6	1024.0	823.1	694.2	649.8	735.2	809.9	765.4	728.7	690.2
-12.5°	1321.9	1147.8	922.9	744.3	653.8	641.8	768.2	777.1	741.1	714.9	672.2
-15°	1218.3	1008.9	822.4	693.9	636.3	663.2	793.0	741.4	709.0	697.1	648.6
-17.5°	1053.3	868.9	715.9	639.3	627.5	719.1	752.6	703.9	676.1	659.0	612.1
-20°	881.1	735.2	654.1	619.7	653.9	777.9	705.4	663.3	640.0	615.0	570.1

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REPORT NUMBER: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	728.6	656.9	615.3	612.4	734.3	730.0	672.9	632.3	598.5	573.7	528.9
-25°	643.2	611.2	610.8	711.0	746.3	680.4	644.9	609.9	573.0	531.5	487.0
-27.5°	601.6	603.1	713.7	760.0	696.7	652.4	619.3	587.5	552.5	503.2	434.7
-30°	627.5	727.0	753.7	708.6	662.7	625.5	595.4	565.1	525.4	471.9	393.5
-32.5°	757.3	721.0	688.0	662.2	628.0	598.4	570.0	539.5	495.7	427.4	360.3
-35°	682.8	657.7	639.7	618.9	595.9	568.4	539.8	503.7	450.0	384.4	328.0
-37.5°	636.6	617.0	601.2	582.8	560.7	533.0	499.7	452.3	397.2	348.4	301.4
-40°	594.7	579.9	565.8	547.6	520.5	488.8	442.2	391.8	353.2	316.1	277.3
-42.5°	552.9	542.3	526.9	502.6	470.6	423.6	379.2	345.9	313.1	284.7	258.3
-45°	506.7	492.1	474.1	439.8	398.7	364.8	332.2	304.5	278.4	258.3	239.4
-47.5°	442.2	419.0	393.4	372.5	345.3	317.6	291.9	266.8	250.8	234.1	218.5
-50°	358.0	345.7	332.0	318.2	300.1	277.6	257.8	239.4	225.7	212.4	198.0
-52.5°	297.1	288.2	280.7	272.4	262.9	247.1	230.7	216.2	203.4	191.2	178.4
-55°	249.6	241.2	239.7	237.1	233.4	221.1	208.1	194.6	181.4	170.2	156.3
-57.5°	216.0	206.0	206.9	207.1	206.4	197.2	185.1	172.5	157.4	144.9	133.0
-60°	189.2	176.5	177.9	178.7	178.7	172.9	160.2	146.4	131.3	122.7	113.1
-62.5°	164.7	147.0	148.9	149.7	149.5	145.5	133.6	122.9	113.4	105.1	97.6
-65°	143.1	121.8	119.4	120.7	120.5	118.2	109.3	102.8	97.8	93.2	85.2
-67.5°	128.1	103.1	95.1	95.1	95.1	94.3	90.6	86.8	83.4	79.7	71.9
-70°	110.2	85.7	75.1	75.4	75.4	75.1	73.2	70.6	67.8	63.3	55.3
-72.5°	84.5	67.2	58.2	58.6	58.4	57.8	56.0	52.5	47.8	41.8	36.9
-75°	58.1	48.4	42.2	42.1	41.7	40.9	38.7	35.2	32.1	29.4	27.1
-77.5°	36.4	31.6	27.9	27.3	26.1	24.5	22.4	21.1	20.3	19.1	17.4
-80°	20.0	17.6	15.4	14.7	14.1	13.6	13.1	12.2	11.0	9.9	9.1
-82.5°	7.6	6.6	5.9	6.3	6.5	6.6	6.5	6.0	5.4	4.8	4.2
-85°	3.0	2.9	2.8	2.6	2.5	2.3	2.2	2.4	2.6	3.0	3.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	2.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P624755 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	2.3	2.2	2.1	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.0
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3	2.0
82.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1
80°	8.2	7.3	6.3	5.4	4.5	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	15.3	13.0	10.7	9.5	8.7	7.7	6.2	4.4	3.4	3.4	3.4
75°	24.4	21.7	18.9	16.0	13.7	12.1	10.6	8.7	6.2	3.7	3.4
72.5°	34.3	31.3	27.7	23.2	19.6	16.7	14.7	12.9	10.0	7.1	4.2
70°	47.7	41.7	37.6	32.1	26.3	21.2	18.1	16.2	13.8	10.5	7.1
67.5°	63.4	54.7	47.8	40.9	34.0	27.7	21.7	19.5	17.2	13.8	10.0
65°	76.1	66.8	57.4	49.8	41.9	34.3	27.5	23.7	20.8	17.4	12.9
62.5°	88.7	78.5	68.4	58.8	50.1	41.5	33.4	30.0	25.0	21.1	16.3
60°	101.6	91.4	79.4	68.4	58.3	48.9	41.2	36.4	31.3	24.9	19.9
57.5°	121.1	105.8	91.4	78.2	66.6	56.1	49.5	43.9	37.6	30.5	23.7
55°	142.6	126.3	104.9	88.6	75.0	63.1	58.1	52.0	44.3	36.5	27.7
52.5°	164.0	144.3	121.4	100.1	83.8	71.7	67.6	60.3	52.0	42.6	33.6
50°	183.7	159.8	136.1	113.5	92.7	83.6	77.6	69.8	59.8	49.0	39.8
47.5°	198.2	173.7	148.9	125.4	103.4	96.5	89.6	79.9	67.7	56.1	46.4
45°	213.3	186.4	160.6	135.8	118.4	111.1	102.8	90.4	77.3	64.6	53.2
42.5°	228.0	199.4	171.8	145.0	134.2	125.9	116.7	103.0	87.2	73.5	60.7
40°	244.1	212.3	182.5	160.5	149.5	140.5	130.2	116.3	97.7	83.2	68.6
37.5°	259.9	225.8	193.6	177.9	164.7	154.2	143.4	130.1	111.0	94.4	76.8
35°	281.1	239.9	212.3	195.2	180.4	167.5	156.4	143.4	126.0	105.7	85.1
32.5°	301.9	259.9	233.2	212.0	195.4	180.4	168.6	159.9	141.4	117.3	93.6
30°	330.8	288.2	253.8	227.7	209.9	193.7	183.7	178.6	157.2	129.0	102.4
27.5°	369.6	316.2	274.9	245.1	223.8	207.2	204.3	199.4	173.2	141.4	112.0
25°	410.4	349.0	299.9	262.6	236.8	229.3	224.8	222.0	190.3	154.7	121.6
22.5°	457.2	382.7	324.3	279.4	260.3	250.6	245.1	240.6	208.7	167.9	131.0
20°	502.8	415.1	350.0	309.8	286.1	272.3	264.8	259.0	227.9	181.0	140.3
17.5°	545.7	454.3	388.5	342.5	312.7	294.0	283.9	277.2	247.7	193.9	149.3
15°	581.1	498.3	425.4	373.5	338.7	315.6	302.4	295.2	267.9	206.5	155.6
12.5°	611.7	536.9	460.0	402.7	364.0	336.9	320.4	313.0	288.1	214.2	158.4
10°	637.2	570.4	492.0	430.2	388.6	357.9	337.8	325.3	295.7	217.7	160.8
7.5°	658.4	599.1	521.6	456.0	408.7	368.4	340.3	326.7	300.1	220.3	162.7
5°	672.7	615.9	532.8	460.4	408.3	367.4	340.2	327.8	303.1	221.9	163.9
2.5°	671.3	617.6	531.3	460.4	406.7	365.5	339.7	328.5	304.7	222.7	164.5
0°	667.6	616.3	527.3	458.8	404.0	362.9	338.9	328.7	304.7	222.5	164.3
-2.5°	671.3	617.6	531.3	460.4	406.7	365.5	339.7	328.5	304.7	222.7	164.5
-5°	672.7	615.9	532.8	460.4	408.3	367.4	340.2	327.8	303.1	221.9	163.9
-7.5°	658.4	599.1	521.6	456.0	408.7	368.4	340.3	326.7	300.1	220.3	162.7
-10°	637.2	570.4	492.0	430.2	388.6	357.9	337.8	325.3	295.7	217.7	160.8
-12.5°	611.7	536.9	460.0	402.7	364.0	336.9	320.4	313.0	288.1	214.2	158.4
-15°	581.1	498.3	425.4	373.5	338.7	315.6	302.4	295.2	267.9	206.5	155.6
-17.5°	545.7	454.3	388.5	342.5	312.7	294.0	283.9	277.2	247.7	193.9	149.3
-20°	502.8	415.1	350.0	309.8	286.1	272.3	264.8	259.0	227.9	181.0	140.3

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CATALOG NUMBER: EPH-VN-04-E-PRO-5700K-11

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	457.2	382.7	324.3	279.4	260.3	250.6	245.1	240.6	208.7	167.9	131.0
-25°	410.4	349.0	299.9	262.6	236.8	229.3	224.8	222.0	190.3	154.7	121.6
-27.5°	369.6	316.2	274.9	245.1	223.8	207.2	204.3	199.4	173.2	141.4	112.0
-30°	330.8	288.2	253.8	227.7	209.9	193.7	183.7	178.6	157.2	129.0	102.4
-32.5°	301.9	259.9	233.2	212.0	195.4	180.4	168.6	159.9	141.4	117.3	93.6
-35°	281.1	239.9	212.3	195.2	180.4	167.5	156.4	143.4	126.0	105.7	85.1
-37.5°	259.9	225.8	193.6	177.9	164.7	154.2	143.4	130.1	111.0	94.4	76.8
-40°	244.1	212.3	182.5	160.5	149.5	140.5	130.2	116.3	97.7	83.2	68.6
-42.5°	228.0	199.4	171.8	145.0	134.2	125.9	116.7	103.0	87.2	73.5	60.7
-45°	213.3	186.4	160.6	135.8	118.4	111.1	102.8	90.4	77.3	64.6	53.2
-47.5°	198.2	173.7	148.9	125.4	103.4	96.5	89.6	79.9	67.7	56.1	46.4
-50°	183.7	159.8	136.1	113.5	92.7	83.6	77.6	69.8	59.8	49.0	39.8
-52.5°	164.0	144.3	121.4	100.1	83.8	71.7	67.6	60.3	52.0	42.6	33.6
-55°	142.6	126.3	104.9	88.6	75.0	63.1	58.1	52.0	44.3	36.5	27.7
-57.5°	121.1	105.8	91.4	78.2	66.6	56.1	49.5	43.9	37.6	30.5	23.7
-60°	101.6	91.4	79.4	68.4	58.3	48.9	41.2	36.4	31.3	24.9	19.9
-62.5°	88.7	78.5	68.4	58.8	50.1	41.5	33.4	30.0	25.0	21.1	16.3
-65°	76.1	66.8	57.4	49.8	41.9	34.3	27.5	23.7	20.8	17.4	12.9
-67.5°	63.4	54.7	47.8	40.9	34.0	27.7	21.7	19.5	17.2	13.8	10.0
-70°	47.7	41.7	37.6	32.1	26.3	21.2	18.1	16.2	13.8	10.5	7.1
-72.5°	34.3	31.3	27.7	23.2	19.6	16.7	14.7	12.9	10.0	7.1	4.2
-75°	24.4	21.7	18.9	16.0	13.7	12.1	10.6	8.7	6.2	3.7	3.4
-77.5°	15.3	13.0	10.7	9.5	8.7	7.7	6.2	4.4	3.4	3.4	3.4
-80°	8.2	7.3	6.3	5.4	4.5	3.4	3.4	3.4	3.4	3.4	3.4
-82.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1
-85°	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3	2.0
-87.5°	2.3	2.2	2.1	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.0
-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-11

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
85°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
82.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
80°	3.4	2.9	2.3	1.8	1.2	0.6	0.0
77.5°	3.4	3.4	2.9	2.2	1.5	0.7	0.0
75°	3.4	3.4	3.4	2.6	1.8	0.9	0.0
72.5°	3.4	3.4	3.4	3.1	2.0	1.0	0.0
70°	3.7	3.4	3.4	3.4	2.3	1.2	0.0
67.5°	6.3	3.4	3.4	3.4	2.6	1.3	0.0
65°	8.9	4.5	3.4	3.4	2.9	1.4	0.0
62.5°	11.5	6.8	3.4	3.4	3.1	1.6	0.0
60°	14.1	9.1	3.4	3.4	3.4	1.7	0.0
57.5°	17.6	11.3	5.2	3.4	3.4	1.8	0.0
55°	21.4	13.5	7.0	3.4	3.4	1.9	0.0
52.5°	25.2	15.9	8.8	3.4	3.4	2.1	0.0
50°	29.1	19.3	10.6	3.4	3.4	2.2	0.0
47.5°	33.4	22.8	12.4	3.7	3.4	2.3	0.0
45°	39.3	26.2	14.1	5.0	3.4	2.4	0.0
42.5°	45.3	29.6	15.7	6.3	3.4	2.5	0.0
40°	51.5	33.0	17.9	7.4	3.4	2.6	0.0
37.5°	57.7	36.5	20.5	8.6	3.4	2.7	0.0
35°	63.9	40.9	23.1	9.6	3.4	2.8	0.0
32.5°	70.4	45.8	25.6	10.6	3.4	2.9	0.0
30°	77.2	50.6	28.1	11.6	3.4	2.9	0.0
27.5°	84.0	55.4	29.9	12.4	3.4	3.0	0.0
25°	90.7	60.0	31.4	13.2	3.4	3.1	0.0
22.5°	97.2	63.7	32.6	14.0	3.4	3.1	0.0
20°	103.6	65.0	33.6	14.6	3.4	3.2	0.0
17.5°	106.9	65.8	34.4	15.2	3.4	3.2	0.0
15°	108.1	66.0	35.0	15.7	3.4	3.3	0.0
12.5°	108.9	65.7	35.3	16.1	3.4	3.3	0.0
10°	109.3	64.9	35.4	16.5	3.4	3.3	0.0
7.5°	109.2	63.8	35.4	16.7	3.4	3.4	0.0
5°	108.7	62.2	35.1	16.9	3.4	3.4	0.0
2.5°	107.7	60.3	34.7	17.1	3.4	3.4	0.0
0°	106.1	58.2	34.2	17.1	3.4	3.4	0.0
-2.5°	107.7	60.3	34.7	17.1	3.4	3.4	0.0
-5°	108.7	62.2	35.1	16.9	3.4	3.4	0.0
-7.5°	109.2	63.8	35.4	16.7	3.4	3.4	0.0
-10°	109.3	64.9	35.4	16.5	3.4	3.3	0.0
-12.5°	108.9	65.7	35.3	16.1	3.4	3.3	0.0
-15°	108.1	66.0	35.0	15.7	3.4	3.3	0.0
-17.5°	106.9	65.8	34.4	15.2	3.4	3.2	0.0
-20°	103.6	65.0	33.6	14.6	3.4	3.2	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	97.2	63.7	32.6	14.0	3.4	3.1	0.0
-25°	90.7	60.0	31.4	13.2	3.4	3.1	0.0
-27.5°	84.0	55.4	29.9	12.4	3.4	3.0	0.0
-30°	77.2	50.6	28.1	11.6	3.4	2.9	0.0
-32.5°	70.4	45.8	25.6	10.6	3.4	2.9	0.0
-35°	63.9	40.9	23.1	9.6	3.4	2.8	0.0
-37.5°	57.7	36.5	20.5	8.6	3.4	2.7	0.0
-40°	51.5	33.0	17.9	7.4	3.4	2.6	0.0
-42.5°	45.3	29.6	15.7	6.3	3.4	2.5	0.0
-45°	39.3	26.2	14.1	5.0	3.4	2.4	0.0
-47.5°	33.4	22.8	12.4	3.7	3.4	2.3	0.0
-50°	29.1	19.3	10.6	3.4	3.4	2.2	0.0
-52.5°	25.2	15.9	8.8	3.4	3.4	2.1	0.0
-55°	21.4	13.5	7.0	3.4	3.4	1.9	0.0
-57.5°	17.6	11.3	5.2	3.4	3.4	1.8	0.0
-60°	14.1	9.1	3.4	3.4	3.4	1.7	0.0
-62.5°	11.5	6.8	3.4	3.4	3.1	1.6	0.0
-65°	8.9	4.5	3.4	3.4	2.9	1.4	0.0
-67.5°	6.3	3.4	3.4	3.4	2.6	1.3	0.0
-70°	3.7	3.4	3.4	3.4	2.3	1.2	0.0
-72.5°	3.4	3.4	3.4	3.1	2.0	1.0	0.0
-75°	3.4	3.4	3.4	2.6	1.8	0.9	0.0
-77.5°	3.4	3.4	2.9	2.2	1.5	0.7	0.0
-80°	3.4	2.9	2.3	1.8	1.2	0.6	0.0
-82.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
-85°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-87.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)