

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: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-3000K-22**

Issue Date: 11/8/2022



**Test Information**

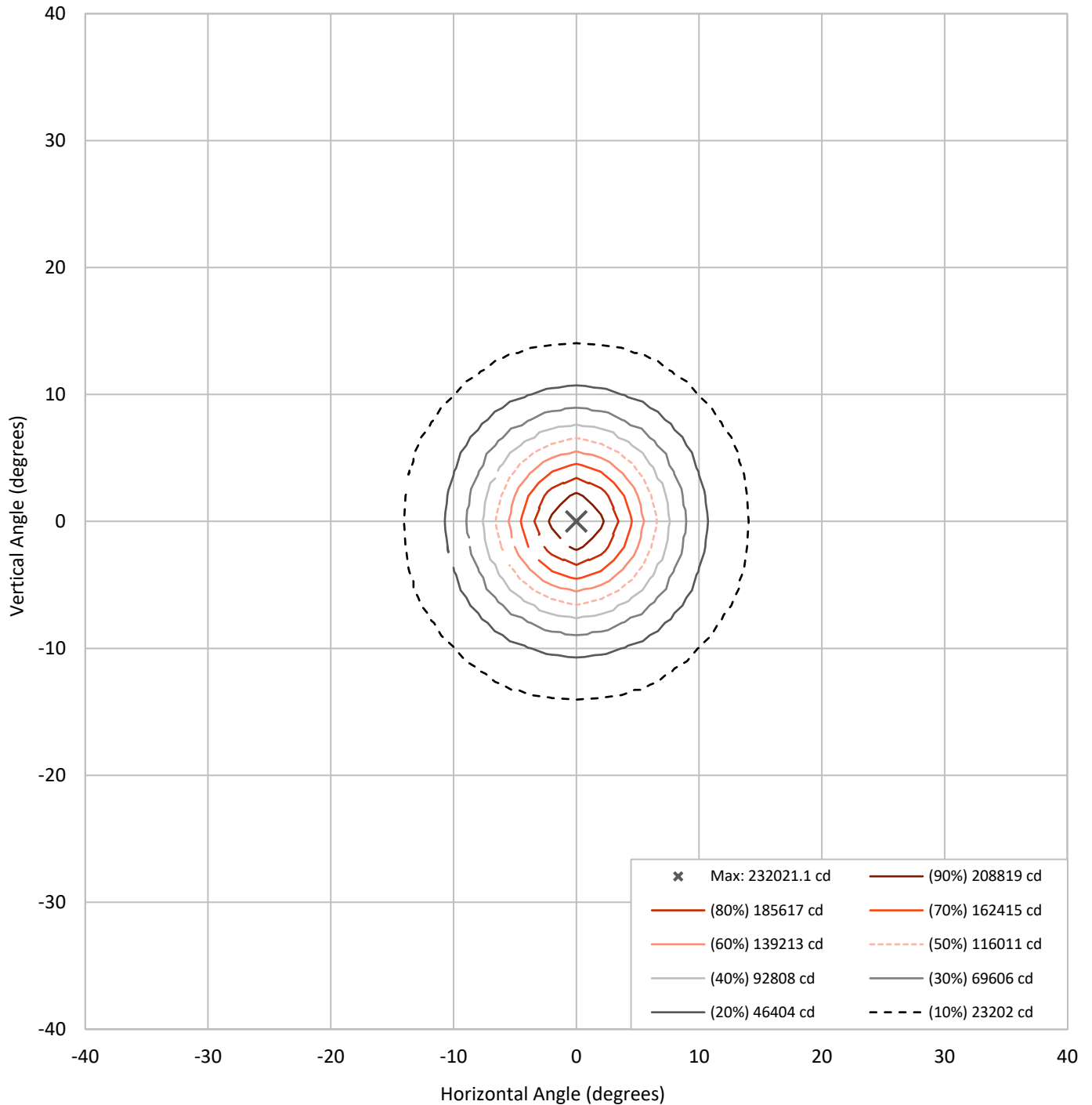
Test Method: LM-79-08  
Report Number: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-04-E-PRO-3000K-22  
Description: EPHESUS 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:	19742.9 lumens	Max Intensity:	232021.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.8 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:	7037.6 lumens	Field Lumens:	13964.1 lumens
Beam Efficiency:	35.6%	Field Efficiency:	70.7%
Input Watts (W):	163.5		
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





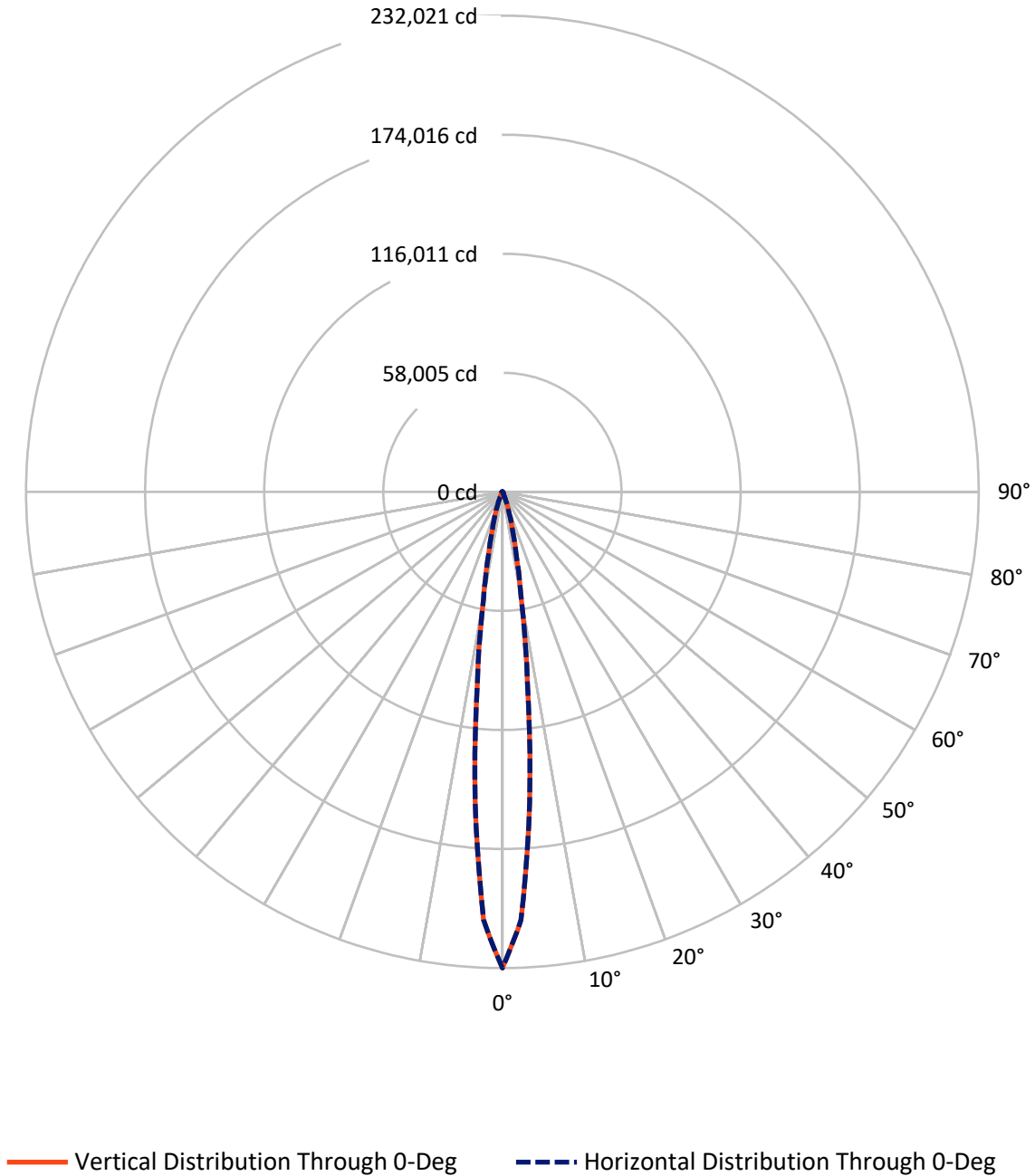
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### Lumen Table

90	0.3	2.7		7.2		11.6		13.5		11.6		7.2		2.7		0.3			
80	0.3	2.7		7.2		11.6		13.5		11.6		7.2		2.7		0.3			
70	1.2	1.4	2.9	4.8	6.7	8.3	9.5	10.1	10.1	9.5	8.3	6.7	4.8	2.9	1.4	1.2			
60		2.1	4.4	7.0	9.3	11.1	12.3	13.0	13.0	12.3	11.1	9.3	7.0	4.4	2.1				
50	2.2	2.9	5.7	8.4	10.8	13.0	15.0	16.4	16.4	15.0	13.0	10.8	8.4	5.7	2.9	2.2			
40		3.5	6.5	9.3	12.4	16.7	20.9	23.6	23.6	20.9	16.7	12.4	9.3	6.5	3.5				
30	3.0	3.9	7.0	10.1	15.1	22.1	39.0	72.8	72.8	39.0	22.1	15.1	10.1	7.0	3.9	3.0			
20		4.2	7.3	11.1	17.8	36.7	182.4	555.3	555.3	182.4	36.7	17.8	11.1	7.3	4.2				
10	3.3	4.3	7.5	11.7	19.5	66.9	541.5	2994.9	2994.9	541.5	66.9	19.5	11.7	7.5	4.3	3.3			
0		4.3	7.5	11.7	19.5	66.9	541.5	2994.9	2994.9	541.5	66.9	19.5	11.7	7.5	4.3				
-10	3.0	4.2	7.3	11.1	17.8	36.7	182.4	555.3	555.3	182.4	36.7	17.8	11.1	7.3	4.2	3.0			
-20		3.9	7.0	10.1	15.1	22.1	39.0	72.8	72.8	39.0	22.1	15.1	10.1	7.0	3.9				
-30	2.2	3.5	6.5	9.3	12.4	16.7	20.9	23.6	23.6	20.9	16.7	12.4	9.3	6.5	3.5	2.2			
-40		2.9	5.7	8.4	10.8	13.0	15.0	16.4	16.4	15.0	13.0	10.8	8.4	5.7	2.9				
-50	1.2	2.1	4.4	7.0	9.3	11.1	12.3	13.0	13.0	12.3	11.1	9.3	7.0	4.4	2.1	1.2			
-60		1.4	2.9	4.8	6.7	8.3	9.5	10.1	10.1	9.5	8.3	6.7	4.8	2.9	1.4				
-70	0.3	2.7		7.2		11.6		13.5		11.6		7.2		2.7		0.3			
-80		2.7		7.2		11.6		13.5		11.6		7.2		2.7					
-90	0.3	2.7		7.2		11.6		13.5		11.6		7.2		2.7		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

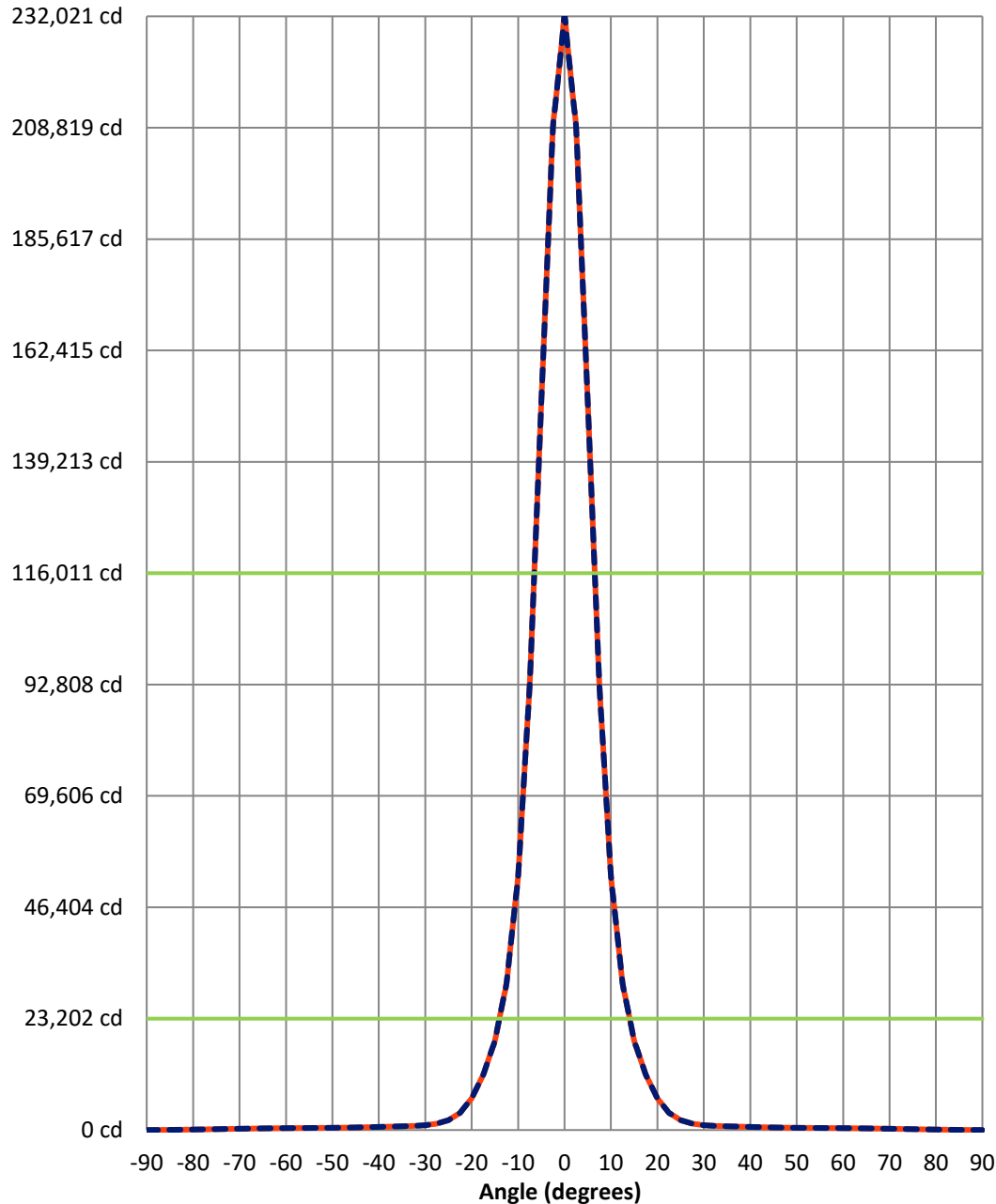
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13°  
 V Angle: 13°  
 Lumens: 7037.6  
 Efficiency: 35.6%

**Field:**  
 H Angle: 28.1°  
 V Angle: 28.1°  
 Lumens: 13964.1  
 Efficiency: 70.7%

**Spill:**  
 Lumens: 5778.8  
 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	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
85°	0.0	1.5	2.9	4.4	5.8	7.2	8.6	10.0	11.4	12.8	14.1
82.5°	0.0	2.2	4.4	6.5	8.7	10.8	12.9	15.0	17.2	19.7	22.2
80°	0.0	2.9	5.8	8.7	11.5	14.4	17.3	20.8	24.3	27.7	31.0
77.5°	0.0	3.6	7.2	10.8	14.4	18.2	22.6	27.0	31.3	35.5	40.3
75°	0.0	4.3	8.6	12.9	17.3	22.6	27.9	33.1	38.5	45.0	51.5
72.5°	0.0	5.0	10.0	15.0	20.8	27.0	33.1	39.6	47.4	55.1	62.6
70°	0.0	5.7	11.4	17.2	24.3	31.3	38.5	47.4	56.3	65.1	76.3
67.5°	0.0	6.4	12.8	19.7	27.7	35.5	45.0	55.1	65.1	77.9	90.5
65°	0.0	7.1	14.1	22.2	31.0	40.3	51.5	62.6	76.3	90.5	104.7
62.5°	0.0	7.7	15.4	24.7	34.2	45.6	57.9	71.7	87.4	103.1	119.2
60°	0.0	8.3	16.7	27.1	37.4	50.8	64.1	81.1	98.2	115.9	133.5
57.5°	0.0	9.0	18.2	29.4	41.4	55.9	71.8	90.4	109.3	128.5	149.0
55°	0.0	9.6	19.8	31.7	45.4	60.8	79.6	99.4	120.2	141.2	164.8
52.5°	0.0	10.2	21.2	33.9	49.2	65.8	87.1	108.6	130.7	155.1	180.3
50°	0.0	10.7	22.6	36.0	52.9	71.9	94.4	117.6	141.5	168.6	194.7
47.5°	0.0	11.3	24.0	38.2	56.5	77.7	101.5	126.3	153.1	181.6	208.5
45°	0.0	11.8	25.3	40.8	59.9	83.4	108.6	134.6	164.3	193.6	221.8
42.5°	0.0	12.3	26.6	43.3	63.2	88.8	115.5	143.4	175.0	205.1	234.6
40°	0.0	12.8	27.8	45.6	66.9	93.9	122.0	152.4	185.1	216.1	246.9
37.5°	0.0	13.2	28.9	47.9	70.8	98.8	128.2	160.9	194.3	226.6	258.6
35°	0.0	13.7	30.0	50.0	74.5	103.6	134.1	168.9	203.1	236.6	269.5
32.5°	0.0	14.1	31.0	52.0	77.9	108.2	139.9	176.5	211.4	245.9	279.5
30°	0.0	14.5	32.0	53.8	81.2	112.5	145.9	183.5	219.2	254.7	288.8
27.5°	0.0	14.8	32.9	55.5	84.2	116.5	151.6	189.8	226.4	262.9	297.5
25°	0.0	15.1	33.7	57.1	86.9	120.1	156.7	195.5	233.0	270.2	305.5
22.5°	0.0	15.4	34.4	58.6	89.5	123.5	161.4	200.8	239.1	276.7	312.1
20°	0.0	15.7	35.1	59.9	91.7	126.5	165.7	205.5	244.6	282.6	318.0
17.5°	0.0	15.9	35.7	61.0	93.7	129.2	169.4	209.8	249.4	287.8	323.3
15°	0.0	16.1	36.2	62.0	95.5	131.5	172.7	213.4	253.6	292.4	327.9
12.5°	0.0	16.3	36.6	62.9	97.0	133.5	175.5	216.5	257.2	296.3	331.8
10°	0.0	16.4	37.0	63.6	98.2	135.1	177.8	219.1	260.2	299.5	335.0
7.5°	0.0	16.6	37.2	64.1	99.2	136.4	179.6	221.1	262.5	302.0	337.5
5°	0.0	16.6	37.4	64.5	99.9	137.3	180.9	222.6	264.2	303.8	339.4
2.5°	0.0	16.7	37.6	64.7	100.3	137.8	181.6	223.4	265.2	304.8	340.4
0°	0.0	16.7	37.6	64.8	100.4	138.0	181.9	223.7	265.5	305.2	340.8
-2.5°	0.0	16.7	37.6	64.7	100.3	137.8	181.6	223.4	265.2	304.8	340.4
-5°	0.0	16.6	37.4	64.5	99.9	137.3	180.9	222.6	264.2	303.8	339.4
-7.5°	0.0	16.6	37.2	64.1	99.2	136.4	179.6	221.1	262.5	302.0	337.5
-10°	0.0	16.4	37.0	63.6	98.2	135.1	177.8	219.1	260.2	299.5	335.0
-12.5°	0.0	16.3	36.6	62.9	97.0	133.5	175.5	216.5	257.2	296.3	331.8
-15°	0.0	16.1	36.2	62.0	95.5	131.5	172.7	213.4	253.6	292.4	327.9
-17.5°	0.0	15.9	35.7	61.0	93.7	129.2	169.4	209.8	249.4	287.8	323.3
-20°	0.0	15.7	35.1	59.9	91.7	126.5	165.7	205.5	244.6	282.6	318.0

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.4	34.4	58.6	89.5	123.5	161.4	200.8	239.1	276.7	312.1
-25°	0.0	15.1	33.7	57.1	86.9	120.1	156.7	195.5	233.0	270.2	305.5
-27.5°	0.0	14.8	32.9	55.5	84.2	116.5	151.6	189.8	226.4	262.9	297.5
-30°	0.0	14.5	32.0	53.8	81.2	112.5	145.9	183.5	219.2	254.7	288.8
-32.5°	0.0	14.1	31.0	52.0	77.9	108.2	139.9	176.5	211.4	245.9	279.5
-35°	0.0	13.7	30.0	50.0	74.5	103.6	134.1	168.9	203.1	236.6	269.5
-37.5°	0.0	13.2	28.9	47.9	70.8	98.8	128.2	160.9	194.3	226.6	258.6
-40°	0.0	12.8	27.8	45.6	66.9	93.9	122.0	152.4	185.1	216.1	246.9
-42.5°	0.0	12.3	26.6	43.3	63.2	88.8	115.5	143.4	175.0	205.1	234.6
-45°	0.0	11.8	25.3	40.8	59.9	83.4	108.6	134.6	164.3	193.6	221.8
-47.5°	0.0	11.3	24.0	38.2	56.5	77.7	101.5	126.3	153.1	181.6	208.5
-50°	0.0	10.7	22.6	36.0	52.9	71.9	94.4	117.6	141.5	168.6	194.7
-52.5°	0.0	10.2	21.2	33.9	49.2	65.8	87.1	108.6	130.7	155.1	180.3
-55°	0.0	9.6	19.8	31.7	45.4	60.8	79.6	99.4	120.2	141.2	164.8
-57.5°	0.0	9.0	18.2	29.4	41.4	55.9	71.8	90.4	109.3	128.5	149.0
-60°	0.0	8.3	16.7	27.1	37.4	50.8	64.1	81.1	98.2	115.9	133.5
-62.5°	0.0	7.7	15.4	24.7	34.2	45.6	57.9	71.7	87.4	103.1	119.2
-65°	0.0	7.1	14.1	22.2	31.0	40.3	51.5	62.6	76.3	90.5	104.7
-67.5°	0.0	6.4	12.8	19.7	27.7	35.5	45.0	55.1	65.1	77.9	90.5
-70°	0.0	5.7	11.4	17.2	24.3	31.3	38.5	47.4	56.3	65.1	76.3
-72.5°	0.0	5.0	10.0	15.0	20.8	27.0	33.1	39.6	47.4	55.1	62.6
-75°	0.0	4.3	8.6	12.9	17.3	22.6	27.9	33.1	38.5	45.0	51.5
-77.5°	0.0	3.6	7.2	10.8	14.4	18.2	22.6	27.0	31.3	35.5	40.3
-80°	0.0	2.9	5.8	8.7	11.5	14.4	17.3	20.8	24.3	27.7	31.0
-82.5°	0.0	2.2	4.4	6.5	8.7	10.8	12.9	15.0	17.2	19.7	22.2
-85°	0.0	1.5	2.9	4.4	5.8	7.2	8.6	10.0	11.4	12.8	14.1
-87.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**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°	7.7	8.3	9.0	9.6	10.2	10.7	11.3	11.8	12.3	12.8	13.2
85°	15.4	16.7	18.2	19.8	21.2	22.6	24.0	25.3	26.6	27.8	28.9
82.5°	24.7	27.1	29.4	31.7	33.9	36.0	38.2	40.8	43.3	45.6	47.9
80°	34.2	37.4	41.4	45.4	49.2	52.9	56.5	59.9	63.2	66.9	70.8
77.5°	45.6	50.8	55.9	60.8	65.8	71.9	77.7	83.4	88.8	93.9	98.8
75°	57.9	64.1	71.8	79.6	87.1	94.4	101.5	108.6	115.5	122.0	128.2
72.5°	71.7	81.1	90.4	99.4	108.6	117.6	126.3	134.6	143.4	152.4	160.9
70°	87.4	98.2	109.3	120.2	130.7	141.5	153.1	164.3	175.0	185.1	194.3
67.5°	103.1	115.9	128.5	141.2	155.1	168.6	181.6	193.6	205.1	216.1	226.6
65°	119.2	133.5	149.0	164.8	180.3	194.7	208.5	221.8	234.6	246.9	258.6
62.5°	135.2	152.9	170.7	187.9	204.1	219.8	235.0	249.7	263.9	276.9	289.2
60°	152.9	172.7	191.7	209.8	227.4	244.6	261.2	276.7	291.4	305.5	317.6
57.5°	170.7	191.7	211.7	231.2	250.3	268.7	285.9	302.5	317.1	330.9	343.5
55°	187.9	209.8	231.2	252.2	272.4	291.5	309.5	325.5	341.0	353.3	365.0
52.5°	204.1	227.4	250.3	272.4	293.3	312.8	330.6	346.6	360.4	372.8	382.8
50°	219.8	244.6	268.7	291.5	312.8	332.3	349.5	364.6	377.4	388.5	398.1
47.5°	235.0	261.2	285.9	309.5	330.6	349.5	366.1	379.6	391.9	401.9	411.2
45°	249.7	276.7	302.5	325.5	346.6	364.6	379.6	393.1	403.8	413.9	422.7
42.5°	263.9	291.4	317.1	341.0	360.4	377.4	391.9	403.8	414.8	424.5	433.9
40°	276.9	305.5	330.9	353.3	372.8	388.5	401.9	413.9	424.5	434.8	444.8
37.5°	289.2	317.6	343.5	365.0	382.8	398.1	411.2	422.7	433.9	444.8	457.9
35°	300.8	329.1	353.8	374.9	392.3	406.4	419.3	431.2	443.0	456.7	472.0
32.5°	311.2	340.0	363.6	383.3	399.8	414.1	426.8	439.4	453.2	468.9	487.9
30°	320.5	348.5	372.2	391.1	406.8	420.8	434.0	447.5	463.5	483.2	509.2
27.5°	329.1	356.4	379.0	397.5	413.1	427.0	440.7	456.5	475.4	498.7	532.5
25°	337.1	363.6	385.2	403.0	418.5	432.8	447.4	465.0	487.2	519.2	559.3
22.5°	343.8	370.2	390.9	408.1	423.4	438.2	454.7	474.8	501.0	538.4	585.6
20°	349.2	374.9	395.5	412.7	427.9	443.0	461.3	484.1	517.2	560.8	610.2
17.5°	354.0	379.1	399.3	416.3	431.9	447.9	467.4	492.4	531.7	581.1	632.8
15°	358.2	382.8	402.6	419.5	435.4	452.7	474.2	503.6	546.6	599.1	652.9
12.5°	361.8	385.9	405.4	422.3	438.4	456.8	480.0	513.7	560.8	615.0	671.5
10°	364.8	388.5	407.7	424.5	440.9	460.1	484.8	522.1	572.5	628.3	686.9
7.5°	367.1	390.5	409.6	426.3	442.8	462.8	488.5	528.7	581.8	638.7	699.1
5°	368.8	391.9	410.9	427.6	444.2	464.7	491.2	533.5	588.4	646.2	707.9
2.5°	369.8	392.8	411.6	428.3	445.0	465.8	492.9	536.3	592.5	650.8	713.2
0°	370.1	393.1	411.9	428.6	445.3	466.2	493.4	537.3	593.8	652.3	715.0
-2.5°	369.8	392.8	411.6	428.3	445.0	465.8	492.9	536.3	592.5	650.8	713.2
-5°	368.8	391.9	410.9	427.6	444.2	464.7	491.2	533.5	588.4	646.2	707.9
-7.5°	367.1	390.5	409.6	426.3	442.8	462.8	488.5	528.7	581.8	638.7	699.1
-10°	364.8	388.5	407.7	424.5	440.9	460.1	484.8	522.1	572.5	628.3	686.9
-12.5°	361.8	385.9	405.4	422.3	438.4	456.8	480.0	513.7	560.8	615.0	671.5
-15°	358.2	382.8	402.6	419.5	435.4	452.7	474.2	503.6	546.6	599.1	652.9
-17.5°	354.0	379.1	399.3	416.3	431.9	447.9	467.4	492.4	531.7	581.1	632.8
-20°	349.2	374.9	395.5	412.7	427.9	443.0	461.3	484.1	517.2	560.8	610.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-22

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	343.8	370.2	390.9	408.1	423.4	438.2	454.7	474.8	501.0	538.4	585.6
-25°	337.1	363.6	385.2	403.0	418.5	432.8	447.4	465.0	487.2	519.2	559.3
-27.5°	329.1	356.4	379.0	397.5	413.1	427.0	440.7	456.5	475.4	498.7	532.5
-30°	320.5	348.5	372.2	391.1	406.8	420.8	434.0	447.5	463.5	483.2	509.2
-32.5°	311.2	340.0	363.6	383.3	399.8	414.1	426.8	439.4	453.2	468.9	487.9
-35°	300.8	329.1	353.8	374.9	392.3	406.4	419.3	431.2	443.0	456.7	472.0
-37.5°	289.2	317.6	343.5	365.0	382.8	398.1	411.2	422.7	433.9	444.8	457.9
-40°	276.9	305.5	330.9	353.3	372.8	388.5	401.9	413.9	424.5	434.8	444.8
-42.5°	263.9	291.4	317.1	341.0	360.4	377.4	391.9	403.8	414.8	424.5	433.9
-45°	249.7	276.7	302.5	325.5	346.6	364.6	379.6	393.1	403.8	413.9	422.7
-47.5°	235.0	261.2	285.9	309.5	330.6	349.5	366.1	379.6	391.9	401.9	411.2
-50°	219.8	244.6	268.7	291.5	312.8	332.3	349.5	364.6	377.4	388.5	398.1
-52.5°	204.1	227.4	250.3	272.4	293.3	312.8	330.6	346.6	360.4	372.8	382.8
-55°	187.9	209.8	231.2	252.2	272.4	291.5	309.5	325.5	341.0	353.3	365.0
-57.5°	170.7	191.7	211.7	231.2	250.3	268.7	285.9	302.5	317.1	330.9	343.5
-60°	152.9	172.7	191.7	209.8	227.4	244.6	261.2	276.7	291.4	305.5	317.6
-62.5°	135.2	152.9	170.7	187.9	204.1	219.8	235.0	249.7	263.9	276.9	289.2
-65°	119.2	133.5	149.0	164.8	180.3	194.7	208.5	221.8	234.6	246.9	258.6
-67.5°	103.1	115.9	128.5	141.2	155.1	168.6	181.6	193.6	205.1	216.1	226.6
-70°	87.4	98.2	109.3	120.2	130.7	141.5	153.1	164.3	175.0	185.1	194.3
-72.5°	71.7	81.1	90.4	99.4	108.6	117.6	126.3	134.6	143.4	152.4	160.9
-75°	57.9	64.1	71.8	79.6	87.1	94.4	101.5	108.6	115.5	122.0	128.2
-77.5°	45.6	50.8	55.9	60.8	65.8	71.9	77.7	83.4	88.8	93.9	98.8
-80°	34.2	37.4	41.4	45.4	49.2	52.9	56.5	59.9	63.2	66.9	70.8
-82.5°	24.7	27.1	29.4	31.7	33.9	36.0	38.2	40.8	43.3	45.6	47.9
-85°	15.4	16.7	18.2	19.8	21.2	22.6	24.0	25.3	26.6	27.8	28.9
-87.5°	7.7	8.3	9.0	9.6	10.2	10.7	11.3	11.8	12.3	12.8	13.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-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°	13.7	14.1	14.5	14.8	15.1	15.4	15.7	15.9	16.1	16.3	16.4
85°	30.0	31.0	32.0	32.9	33.7	34.4	35.1	35.7	36.2	36.6	37.0
82.5°	50.0	52.0	53.8	55.5	57.1	58.6	59.9	61.0	62.0	62.9	63.6
80°	74.5	77.9	81.2	84.2	86.9	89.5	91.7	93.7	95.5	97.0	98.2
77.5°	103.6	108.2	112.5	116.5	120.1	123.5	126.5	129.2	131.5	133.5	135.1
75°	134.1	139.9	145.9	151.6	156.7	161.4	165.7	169.4	172.7	175.5	177.8
72.5°	168.9	176.5	183.5	189.8	195.5	200.8	205.5	209.8	213.4	216.5	219.1
70°	203.1	211.4	219.2	226.4	233.0	239.1	244.6	249.4	253.6	257.2	260.2
67.5°	236.6	245.9	254.7	262.9	270.2	276.7	282.6	287.8	292.4	296.3	299.5
65°	269.5	279.5	288.8	297.5	305.5	312.1	318.0	323.3	327.9	331.8	335.0
62.5°	300.8	311.2	320.5	329.1	337.1	343.8	349.2	354.0	358.2	361.8	364.8
60°	329.1	340.0	348.5	356.4	363.6	370.2	374.9	379.1	382.8	385.9	388.5
57.5°	353.8	363.6	372.2	379.0	385.2	390.9	395.5	399.3	402.6	405.4	407.7
55°	374.9	383.3	391.1	397.5	403.0	408.1	412.7	416.3	419.5	422.3	424.5
52.5°	392.3	399.8	406.8	413.1	418.5	423.4	427.9	431.9	435.4	438.4	440.9
50°	406.4	414.1	420.8	427.0	432.8	438.2	443.0	447.9	452.7	456.8	460.1
47.5°	419.3	426.8	434.0	440.7	447.4	454.7	461.3	467.4	474.2	480.0	484.8
45°	431.2	439.4	447.5	456.5	465.0	474.8	484.1	492.4	503.6	513.7	522.1
42.5°	443.0	453.2	463.5	475.4	487.2	501.0	517.2	531.7	546.6	560.8	572.5
40°	456.7	468.9	483.2	498.7	519.2	538.4	560.8	581.1	599.1	615.0	628.3
37.5°	472.0	487.9	509.2	532.5	559.3	585.6	610.2	632.8	652.9	671.5	686.9
35°	489.5	514.4	541.5	573.5	604.0	633.2	660.6	686.8	710.0	730.2	747.0
32.5°	514.4	545.0	580.7	615.5	648.8	682.1	713.1	741.3	766.6	790.6	812.6
30°	541.5	580.7	619.3	657.1	695.2	731.1	764.5	798.4	831.2	866.6	914.7
27.5°	573.5	615.5	657.1	699.6	740.2	778.8	821.8	869.5	940.8	1003.3	1119.6
25°	604.0	648.8	695.2	740.2	784.6	833.7	906.7	992.1	1149.3	1300.1	1536.2
22.5°	633.2	682.1	731.1	778.8	833.7	919.3	1036.3	1240.0	1531.1	1889.8	2352.6
20°	660.6	713.1	764.5	821.8	906.7	1036.3	1270.7	1671.6	2170.7	3004.5	3863.9
17.5°	686.8	741.3	798.4	869.5	992.1	1240.0	1671.6	2330.1	3342.4	4927.7	6520.9
15°	710.0	766.6	831.2	940.8	1149.3	1531.1	2170.7	3342.4	5292.6	7729.3	10618.5
12.5°	730.2	790.6	866.6	1003.3	1300.1	1889.8	3004.5	4927.7	7729.3	11320.2	15890.8
10°	747.0	812.6	914.7	1119.6	1536.2	2352.6	3863.9	6520.9	10618.5	15890.8	22870.4
7.5°	760.4	830.1	953.1	1212.7	1759.7	2878.2	5031.4	8594.8	13702.2	20765.5	30748.3
5°	770.0	842.8	981.0	1280.7	1923.6	3265.6	5898.8	10195.9	16356.4	26013.9	42408.9
2.5°	775.8	850.4	997.9	1322.1	2023.6	3503.3	6434.1	11192.1	18027.6	29379.7	50113.2
0°	777.8	853.0	1003.6	1336.0	2057.3	3583.5	6615.1	11530.5	18599.3	30543.8	52829.1
-2.5°	775.8	850.4	997.9	1322.1	2023.6	3503.3	6434.1	11192.1	18027.6	29379.7	50113.2
-5°	770.0	842.8	981.0	1280.7	1923.6	3265.6	5898.8	10195.9	16356.4	26013.9	42408.9
-7.5°	760.4	830.1	953.1	1212.7	1759.7	2878.2	5031.4	8594.8	13702.2	20765.5	30748.3
-10°	747.0	812.6	914.7	1119.6	1536.2	2352.6	3863.9	6520.9	10618.5	15890.8	22870.4
-12.5°	730.2	790.6	866.6	1003.3	1300.1	1889.8	3004.5	4927.7	7729.3	11320.2	15890.8
-15°	710.0	766.6	831.2	940.8	1149.3	1531.1	2170.7	3342.4	5292.6	7729.3	10618.5
-17.5°	686.8	741.3	798.4	869.5	992.1	1240.0	1671.6	2330.1	3342.4	4927.7	6520.9
-20°	660.6	713.1	764.5	821.8	906.7	1036.3	1270.7	1671.6	2170.7	3004.5	3863.9

Classified

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

Scaled Data Report



REPORT NUMBER: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-22

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	633.2	682.1	731.1	778.8	833.7	919.3	1036.3	1240.0	1531.1	1889.8	2352.6
-25°	604.0	648.8	695.2	740.2	784.6	833.7	906.7	992.1	1149.3	1300.1	1536.2
-27.5°	573.5	615.5	657.1	699.6	740.2	778.8	821.8	869.5	940.8	1003.3	1119.6
-30°	541.5	580.7	619.3	657.1	695.2	731.1	764.5	798.4	831.2	866.6	914.7
-32.5°	514.4	545.0	580.7	615.5	648.8	682.1	713.1	741.3	766.6	790.6	812.6
-35°	489.5	514.4	541.5	573.5	604.0	633.2	660.6	686.8	710.0	730.2	747.0
-37.5°	472.0	487.9	509.2	532.5	559.3	585.6	610.2	632.8	652.9	671.5	686.9
-40°	456.7	468.9	483.2	498.7	519.2	538.4	560.8	581.1	599.1	615.0	628.3
-42.5°	443.0	453.2	463.5	475.4	487.2	501.0	517.2	531.7	546.6	560.8	572.5
-45°	431.2	439.4	447.5	456.5	465.0	474.8	484.1	492.4	503.6	513.7	522.1
-47.5°	419.3	426.8	434.0	440.7	447.4	454.7	461.3	467.4	474.2	480.0	484.8
-50°	406.4	414.1	420.8	427.0	432.8	438.2	443.0	447.9	452.7	456.8	460.1
-52.5°	392.3	399.8	406.8	413.1	418.5	423.4	427.9	431.9	435.4	438.4	440.9
-55°	374.9	383.3	391.1	397.5	403.0	408.1	412.7	416.3	419.5	422.3	424.5
-57.5°	353.8	363.6	372.2	379.0	385.2	390.9	395.5	399.3	402.6	405.4	407.7
-60°	329.1	340.0	348.5	356.4	363.6	370.2	374.9	379.1	382.8	385.9	388.5
-62.5°	300.8	311.2	320.5	329.1	337.1	343.8	349.2	354.0	358.2	361.8	364.8
-65°	269.5	279.5	288.8	297.5	305.5	312.1	318.0	323.3	327.9	331.8	335.0
-67.5°	236.6	245.9	254.7	262.9	270.2	276.7	282.6	287.8	292.4	296.3	299.5
-70°	203.1	211.4	219.2	226.4	233.0	239.1	244.6	249.4	253.6	257.2	260.2
-72.5°	168.9	176.5	183.5	189.8	195.5	200.8	205.5	209.8	213.4	216.5	219.1
-75°	134.1	139.9	145.9	151.6	156.7	161.4	165.7	169.4	172.7	175.5	177.8
-77.5°	103.6	108.2	112.5	116.5	120.1	123.5	126.5	129.2	131.5	133.5	135.1
-80°	74.5	77.9	81.2	84.2	86.9	89.5	91.7	93.7	95.5	97.0	98.2
-82.5°	50.0	52.0	53.8	55.5	57.1	58.6	59.9	61.0	62.0	62.9	63.6
-85°	30.0	31.0	32.0	32.9	33.7	34.4	35.1	35.7	36.2	36.6	37.0
-87.5°	13.7	14.1	14.5	14.8	15.1	15.4	15.7	15.9	16.1	16.3	16.4
-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: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-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°	16.6	16.6	16.7	16.7	16.7	16.6	16.6	16.4	16.3	16.1	15.9
85°	37.2	37.4	37.6	37.6	37.6	37.4	37.2	37.0	36.6	36.2	35.7
82.5°	64.1	64.5	64.7	64.8	64.7	64.5	64.1	63.6	62.9	62.0	61.0
80°	99.2	99.9	100.3	100.4	100.3	99.9	99.2	98.2	97.0	95.5	93.7
77.5°	136.4	137.3	137.8	138.0	137.8	137.3	136.4	135.1	133.5	131.5	129.2
75°	179.6	180.9	181.6	181.9	181.6	180.9	179.6	177.8	175.5	172.7	169.4
72.5°	221.1	222.6	223.4	223.7	223.4	222.6	221.1	219.1	216.5	213.4	209.8
70°	262.5	264.2	265.2	265.5	265.2	264.2	262.5	260.2	257.2	253.6	249.4
67.5°	302.0	303.8	304.8	305.2	304.8	303.8	302.0	299.5	296.3	292.4	287.8
65°	337.5	339.4	340.4	340.8	340.4	339.4	337.5	335.0	331.8	327.9	323.3
62.5°	367.1	368.8	369.8	370.1	369.8	368.8	367.1	364.8	361.8	358.2	354.0
60°	390.5	391.9	392.8	393.1	392.8	391.9	390.5	388.5	385.9	382.8	379.1
57.5°	409.6	410.9	411.6	411.9	411.6	410.9	409.6	407.7	405.4	402.6	399.3
55°	426.3	427.6	428.3	428.6	428.3	427.6	426.3	424.5	422.3	419.5	416.3
52.5°	442.8	444.2	445.0	445.3	445.0	444.2	442.8	440.9	438.4	435.4	431.9
50°	462.8	464.7	465.8	466.2	465.8	464.7	462.8	460.1	456.8	452.7	447.9
47.5°	488.5	491.2	492.9	493.4	492.9	491.2	488.5	484.8	480.0	474.2	467.4
45°	528.7	533.5	536.3	537.3	536.3	533.5	528.7	522.1	513.7	503.6	492.4
42.5°	581.8	588.4	592.5	593.8	592.5	588.4	581.8	572.5	560.8	546.6	531.7
40°	638.7	646.2	650.8	652.3	650.8	646.2	638.7	628.3	615.0	599.1	581.1
37.5°	699.1	707.9	713.2	715.0	713.2	707.9	699.1	686.9	671.5	652.9	632.8
35°	760.4	770.0	775.8	777.8	775.8	770.0	760.4	747.0	730.2	710.0	686.8
32.5°	830.1	842.8	850.4	853.0	850.4	842.8	830.1	812.6	790.6	766.6	741.3
30°	953.1	981.0	997.9	1003.6	997.9	981.0	953.1	914.7	866.6	831.2	798.4
27.5°	1212.7	1280.7	1322.1	1336.0	1322.1	1280.7	1212.7	1119.6	1003.3	940.8	869.5
25°	1759.7	1923.6	2023.6	2057.3	2023.6	1923.6	1759.7	1536.2	1300.1	1149.3	992.1
22.5°	2878.2	3265.6	3503.3	3583.5	3503.3	3265.6	2878.2	2352.6	1889.8	1531.1	1240.0
20°	5031.4	5898.8	6434.1	6615.1	6434.1	5898.8	5031.4	3863.9	3004.5	2170.7	1671.6
17.5°	8594.8	10195.9	11192.1	11530.5	11192.1	10195.9	8594.8	6520.9	4927.7	3342.4	2330.1
15°	13702.2	16356.4	18027.6	18599.3	18027.6	16356.4	13702.2	10618.5	7729.3	5292.6	3342.4
12.5°	20765.5	26013.9	29379.7	30543.8	29379.7	26013.9	20765.5	15890.8	11320.2	7729.3	4927.7
10°	30748.3	42408.9	50113.2	52829.1	50113.2	42408.9	30748.3	22870.4	15890.8	10618.5	6520.9
7.5°	47557.2	66068.1	84856.9	92821.0	84856.9	66068.1	47557.2	30748.3	20765.5	13702.2	8594.8
5°	66068.1	101377.2	136520.5	151696.6	136520.5	101377.2	66068.1	42408.9	26013.9	16356.4	10195.9
2.5°	84856.9	136520.5	188191.7	208817.0	188191.7	136520.5	84856.9	50113.2	29379.7	18027.6	11192.1
0°	92821.0	151696.6	208817.0	232021.1	208817.0	151696.6	92821.0	52829.1	30543.8	18599.3	11530.5
-2.5°	84856.9	136520.5	188191.7	208817.0	188191.7	136520.5	84856.9	50113.2	29379.7	18027.6	11192.1
-5°	66068.1	101377.2	136520.5	151696.6	136520.5	101377.2	66068.1	42408.9	26013.9	16356.4	10195.9
-7.5°	47557.2	66068.1	84856.9	92821.0	84856.9	66068.1	47557.2	30748.3	20765.5	13702.2	8594.8
-10°	30748.3	42408.9	50113.2	52829.1	50113.2	42408.9	30748.3	22870.4	15890.8	10618.5	6520.9
-12.5°	20765.5	26013.9	29379.7	30543.8	29379.7	26013.9	20765.5	15890.8	11320.2	7729.3	4927.7
-15°	13702.2	16356.4	18027.6	18599.3	18027.6	16356.4	13702.2	10618.5	7729.3	5292.6	3342.4
-17.5°	8594.8	10195.9	11192.1	11530.5	11192.1	10195.9	8594.8	6520.9	4927.7	3342.4	2330.1
-20°	5031.4	5898.8	6434.1	6615.1	6434.1	5898.8	5031.4	3863.9	3004.5	2170.7	1671.6



REPORT NUMBER: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-22

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2878.2	3265.6	3503.3	3583.5	3503.3	3265.6	2878.2	2352.6	1889.8	1531.1	1240.0
-25°	1759.7	1923.6	2023.6	2057.3	2023.6	1923.6	1759.7	1536.2	1300.1	1149.3	992.1
-27.5°	1212.7	1280.7	1322.1	1336.0	1322.1	1280.7	1212.7	1119.6	1003.3	940.8	869.5
-30°	953.1	981.0	997.9	1003.6	997.9	981.0	953.1	914.7	866.6	831.2	798.4
-32.5°	830.1	842.8	850.4	853.0	850.4	842.8	830.1	812.6	790.6	766.6	741.3
-35°	760.4	770.0	775.8	777.8	775.8	770.0	760.4	747.0	730.2	710.0	686.8
-37.5°	699.1	707.9	713.2	715.0	713.2	707.9	699.1	686.9	671.5	652.9	632.8
-40°	638.7	646.2	650.8	652.3	650.8	646.2	638.7	628.3	615.0	599.1	581.1
-42.5°	581.8	588.4	592.5	593.8	592.5	588.4	581.8	572.5	560.8	546.6	531.7
-45°	528.7	533.5	536.3	537.3	536.3	533.5	528.7	522.1	513.7	503.6	492.4
-47.5°	488.5	491.2	492.9	493.4	492.9	491.2	488.5	484.8	480.0	474.2	467.4
-50°	462.8	464.7	465.8	466.2	465.8	464.7	462.8	460.1	456.8	452.7	447.9
-52.5°	442.8	444.2	445.0	445.3	445.0	444.2	442.8	440.9	438.4	435.4	431.9
-55°	426.3	427.6	428.3	428.6	428.3	427.6	426.3	424.5	422.3	419.5	416.3
-57.5°	409.6	410.9	411.6	411.9	411.6	410.9	409.6	407.7	405.4	402.6	399.3
-60°	390.5	391.9	392.8	393.1	392.8	391.9	390.5	388.5	385.9	382.8	379.1
-62.5°	367.1	368.8	369.8	370.1	369.8	368.8	367.1	364.8	361.8	358.2	354.0
-65°	337.5	339.4	340.4	340.8	340.4	339.4	337.5	335.0	331.8	327.9	323.3
-67.5°	302.0	303.8	304.8	305.2	304.8	303.8	302.0	299.5	296.3	292.4	287.8
-70°	262.5	264.2	265.2	265.5	265.2	264.2	262.5	260.2	257.2	253.6	249.4
-72.5°	221.1	222.6	223.4	223.7	223.4	222.6	221.1	219.1	216.5	213.4	209.8
-75°	179.6	180.9	181.6	181.9	181.6	180.9	179.6	177.8	175.5	172.7	169.4
-77.5°	136.4	137.3	137.8	138.0	137.8	137.3	136.4	135.1	133.5	131.5	129.2
-80°	99.2	99.9	100.3	100.4	100.3	99.9	99.2	98.2	97.0	95.5	93.7
-82.5°	64.1	64.5	64.7	64.8	64.7	64.5	64.1	63.6	62.9	62.0	61.0
-85°	37.2	37.4	37.6	37.6	37.6	37.4	37.2	37.0	36.6	36.2	35.7
-87.5°	16.6	16.6	16.7	16.7	16.7	16.6	16.6	16.4	16.3	16.1	15.9
-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: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-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°	15.7	15.4	15.1	14.8	14.5	14.1	13.7	13.2	12.8	12.3	11.8
85°	35.1	34.4	33.7	32.9	32.0	31.0	30.0	28.9	27.8	26.6	25.3
82.5°	59.9	58.6	57.1	55.5	53.8	52.0	50.0	47.9	45.6	43.3	40.8
80°	91.7	89.5	86.9	84.2	81.2	77.9	74.5	70.8	66.9	63.2	59.9
77.5°	126.5	123.5	120.1	116.5	112.5	108.2	103.6	98.8	93.9	88.8	83.4
75°	165.7	161.4	156.7	151.6	145.9	139.9	134.1	128.2	122.0	115.5	108.6
72.5°	205.5	200.8	195.5	189.8	183.5	176.5	168.9	160.9	152.4	143.4	134.6
70°	244.6	239.1	233.0	226.4	219.2	211.4	203.1	194.3	185.1	175.0	164.3
67.5°	282.6	276.7	270.2	262.9	254.7	245.9	236.6	226.6	216.1	205.1	193.6
65°	318.0	312.1	305.5	297.5	288.8	279.5	269.5	258.6	246.9	234.6	221.8
62.5°	349.2	343.8	337.1	329.1	320.5	311.2	300.8	289.2	276.9	263.9	249.7
60°	374.9	370.2	363.6	356.4	348.5	340.0	329.1	317.6	305.5	291.4	276.7
57.5°	395.5	390.9	385.2	379.0	372.2	363.6	353.8	343.5	330.9	317.1	302.5
55°	412.7	408.1	403.0	397.5	391.1	383.3	374.9	365.0	353.3	341.0	325.5
52.5°	427.9	423.4	418.5	413.1	406.8	399.8	392.3	382.8	372.8	360.4	346.6
50°	443.0	438.2	432.8	427.0	420.8	414.1	406.4	398.1	388.5	377.4	364.6
47.5°	461.3	454.7	447.4	440.7	434.0	426.8	419.3	411.2	401.9	391.9	379.6
45°	484.1	474.8	465.0	456.5	447.5	439.4	431.2	422.7	413.9	403.8	393.1
42.5°	517.2	501.0	487.2	475.4	463.5	453.2	443.0	433.9	424.5	414.8	403.8
40°	560.8	538.4	519.2	498.7	483.2	468.9	456.7	444.8	434.8	424.5	413.9
37.5°	610.2	585.6	559.3	532.5	509.2	487.9	472.0	457.9	444.8	433.9	422.7
35°	660.6	633.2	604.0	573.5	541.5	514.4	489.5	472.0	456.7	443.0	431.2
32.5°	713.1	682.1	648.8	615.5	580.7	545.0	514.4	487.9	468.9	453.2	439.4
30°	764.5	731.1	695.2	657.1	619.3	580.7	541.5	509.2	483.2	463.5	447.5
27.5°	821.8	778.8	740.2	699.6	657.1	615.5	573.5	532.5	498.7	475.4	456.5
25°	906.7	833.7	784.6	740.2	695.2	648.8	604.0	559.3	519.2	487.2	465.0
22.5°	1036.3	919.3	833.7	778.8	731.1	682.1	633.2	585.6	538.4	501.0	474.8
20°	1270.7	1036.3	906.7	821.8	764.5	713.1	660.6	610.2	560.8	517.2	484.1
17.5°	1671.6	1240.0	992.1	869.5	798.4	741.3	686.8	632.8	581.1	531.7	492.4
15°	2170.7	1531.1	1149.3	940.8	831.2	766.6	710.0	652.9	599.1	546.6	503.6
12.5°	3004.5	1889.8	1300.1	1003.3	866.6	790.6	730.2	671.5	615.0	560.8	513.7
10°	3863.9	2352.6	1536.2	1119.6	914.7	812.6	747.0	686.9	628.3	572.5	522.1
7.5°	5031.4	2878.2	1759.7	1212.7	953.1	830.1	760.4	699.1	638.7	581.8	528.7
5°	5898.8	3265.6	1923.6	1280.7	981.0	842.8	770.0	707.9	646.2	588.4	533.5
2.5°	6434.1	3503.3	2023.6	1322.1	997.9	850.4	775.8	713.2	650.8	592.5	536.3
0°	6615.1	3583.5	2057.3	1336.0	1003.6	853.0	777.8	715.0	652.3	593.8	537.3
-2.5°	6434.1	3503.3	2023.6	1322.1	997.9	850.4	775.8	713.2	650.8	592.5	536.3
-5°	5898.8	3265.6	1923.6	1280.7	981.0	842.8	770.0	707.9	646.2	588.4	533.5
-7.5°	5031.4	2878.2	1759.7	1212.7	953.1	830.1	760.4	699.1	638.7	581.8	528.7
-10°	3863.9	2352.6	1536.2	1119.6	914.7	812.6	747.0	686.9	628.3	572.5	522.1
-12.5°	3004.5	1889.8	1300.1	1003.3	866.6	790.6	730.2	671.5	615.0	560.8	513.7
-15°	2170.7	1531.1	1149.3	940.8	831.2	766.6	710.0	652.9	599.1	546.6	503.6
-17.5°	1671.6	1240.0	992.1	869.5	798.4	741.3	686.8	632.8	581.1	531.7	492.4
-20°	1270.7	1036.3	906.7	821.8	764.5	713.1	660.6	610.2	560.8	517.2	484.1

Classified

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

Scaled Data Report



REPORT NUMBER: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-22

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1036.3	919.3	833.7	778.8	731.1	682.1	633.2	585.6	538.4	501.0	474.8
-25°	906.7	833.7	784.6	740.2	695.2	648.8	604.0	559.3	519.2	487.2	465.0
-27.5°	821.8	778.8	740.2	699.6	657.1	615.5	573.5	532.5	498.7	475.4	456.5
-30°	764.5	731.1	695.2	657.1	619.3	580.7	541.5	509.2	483.2	463.5	447.5
-32.5°	713.1	682.1	648.8	615.5	580.7	545.0	514.4	487.9	468.9	453.2	439.4
-35°	660.6	633.2	604.0	573.5	541.5	514.4	489.5	472.0	456.7	443.0	431.2
-37.5°	610.2	585.6	559.3	532.5	509.2	487.9	472.0	457.9	444.8	433.9	422.7
-40°	560.8	538.4	519.2	498.7	483.2	468.9	456.7	444.8	434.8	424.5	413.9
-42.5°	517.2	501.0	487.2	475.4	463.5	453.2	443.0	433.9	424.5	414.8	403.8
-45°	484.1	474.8	465.0	456.5	447.5	439.4	431.2	422.7	413.9	403.8	393.1
-47.5°	461.3	454.7	447.4	440.7	434.0	426.8	419.3	411.2	401.9	391.9	379.6
-50°	443.0	438.2	432.8	427.0	420.8	414.1	406.4	398.1	388.5	377.4	364.6
-52.5°	427.9	423.4	418.5	413.1	406.8	399.8	392.3	382.8	372.8	360.4	346.6
-55°	412.7	408.1	403.0	397.5	391.1	383.3	374.9	365.0	353.3	341.0	325.5
-57.5°	395.5	390.9	385.2	379.0	372.2	363.6	353.8	343.5	330.9	317.1	302.5
-60°	374.9	370.2	363.6	356.4	348.5	340.0	329.1	317.6	305.5	291.4	276.7
-62.5°	349.2	343.8	337.1	329.1	320.5	311.2	300.8	289.2	276.9	263.9	249.7
-65°	318.0	312.1	305.5	297.5	288.8	279.5	269.5	258.6	246.9	234.6	221.8
-67.5°	282.6	276.7	270.2	262.9	254.7	245.9	236.6	226.6	216.1	205.1	193.6
-70°	244.6	239.1	233.0	226.4	219.2	211.4	203.1	194.3	185.1	175.0	164.3
-72.5°	205.5	200.8	195.5	189.8	183.5	176.5	168.9	160.9	152.4	143.4	134.6
-75°	165.7	161.4	156.7	151.6	145.9	139.9	134.1	128.2	122.0	115.5	108.6
-77.5°	126.5	123.5	120.1	116.5	112.5	108.2	103.6	98.8	93.9	88.8	83.4
-80°	91.7	89.5	86.9	84.2	81.2	77.9	74.5	70.8	66.9	63.2	59.9
-82.5°	59.9	58.6	57.1	55.5	53.8	52.0	50.0	47.9	45.6	43.3	40.8
-85°	35.1	34.4	33.7	32.9	32.0	31.0	30.0	28.9	27.8	26.6	25.3
-87.5°	15.7	15.4	15.1	14.8	14.5	14.1	13.7	13.2	12.8	12.3	11.8
-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: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-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°	11.3	10.7	10.2	9.6	9.0	8.3	7.7	7.1	6.4	5.7	5.0
85°	24.0	22.6	21.2	19.8	18.2	16.7	15.4	14.1	12.8	11.4	10.0
82.5°	38.2	36.0	33.9	31.7	29.4	27.1	24.7	22.2	19.7	17.2	15.0
80°	56.5	52.9	49.2	45.4	41.4	37.4	34.2	31.0	27.7	24.3	20.8
77.5°	77.7	71.9	65.8	60.8	55.9	50.8	45.6	40.3	35.5	31.3	27.0
75°	101.5	94.4	87.1	79.6	71.8	64.1	57.9	51.5	45.0	38.5	33.1
72.5°	126.3	117.6	108.6	99.4	90.4	81.1	71.7	62.6	55.1	47.4	39.6
70°	153.1	141.5	130.7	120.2	109.3	98.2	87.4	76.3	65.1	56.3	47.4
67.5°	181.6	168.6	155.1	141.2	128.5	115.9	103.1	90.5	77.9	65.1	55.1
65°	208.5	194.7	180.3	164.8	149.0	133.5	119.2	104.7	90.5	76.3	62.6
62.5°	235.0	219.8	204.1	187.9	170.7	152.9	135.2	119.2	103.1	87.4	71.7
60°	261.2	244.6	227.4	209.8	191.7	172.7	152.9	133.5	115.9	98.2	81.1
57.5°	285.9	268.7	250.3	231.2	211.7	191.7	170.7	149.0	128.5	109.3	90.4
55°	309.5	291.5	272.4	252.2	231.2	209.8	187.9	164.8	141.2	120.2	99.4
52.5°	330.6	312.8	293.3	272.4	250.3	227.4	204.1	180.3	155.1	130.7	108.6
50°	349.5	332.3	312.8	291.5	268.7	244.6	219.8	194.7	168.6	141.5	117.6
47.5°	366.1	349.5	330.6	309.5	285.9	261.2	235.0	208.5	181.6	153.1	126.3
45°	379.6	364.6	346.6	325.5	302.5	276.7	249.7	221.8	193.6	164.3	134.6
42.5°	391.9	377.4	360.4	341.0	317.1	291.4	263.9	234.6	205.1	175.0	143.4
40°	401.9	388.5	372.8	353.3	330.9	305.5	276.9	246.9	216.1	185.1	152.4
37.5°	411.2	398.1	382.8	365.0	343.5	317.6	289.2	258.6	226.6	194.3	160.9
35°	419.3	406.4	392.3	374.9	353.8	329.1	300.8	269.5	236.6	203.1	168.9
32.5°	426.8	414.1	399.8	383.3	363.6	340.0	311.2	279.5	245.9	211.4	176.5
30°	434.0	420.8	406.8	391.1	372.2	348.5	320.5	288.8	254.7	219.2	183.5
27.5°	440.7	427.0	413.1	397.5	379.0	356.4	329.1	297.5	262.9	226.4	189.8
25°	447.4	432.8	418.5	403.0	385.2	363.6	337.1	305.5	270.2	233.0	195.5
22.5°	454.7	438.2	423.4	408.1	390.9	370.2	343.8	312.1	276.7	239.1	200.8
20°	461.3	443.0	427.9	412.7	395.5	374.9	349.2	318.0	282.6	244.6	205.5
17.5°	467.4	447.9	431.9	416.3	399.3	379.1	354.0	323.3	287.8	249.4	209.8
15°	474.2	452.7	435.4	419.5	402.6	382.8	358.2	327.9	292.4	253.6	213.4
12.5°	480.0	456.8	438.4	422.3	405.4	385.9	361.8	331.8	296.3	257.2	216.5
10°	484.8	460.1	440.9	424.5	407.7	388.5	364.8	335.0	299.5	260.2	219.1
7.5°	488.5	462.8	442.8	426.3	409.6	390.5	367.1	337.5	302.0	262.5	221.1
5°	491.2	464.7	444.2	427.6	410.9	391.9	368.8	339.4	303.8	264.2	222.6
2.5°	492.9	465.8	445.0	428.3	411.6	392.8	369.8	340.4	304.8	265.2	223.4
0°	493.4	466.2	445.3	428.6	411.9	393.1	370.1	340.8	305.2	265.5	223.7
-2.5°	492.9	465.8	445.0	428.3	411.6	392.8	369.8	340.4	304.8	265.2	223.4
-5°	491.2	464.7	444.2	427.6	410.9	391.9	368.8	339.4	303.8	264.2	222.6
-7.5°	488.5	462.8	442.8	426.3	409.6	390.5	367.1	337.5	302.0	262.5	221.1
-10°	484.8	460.1	440.9	424.5	407.7	388.5	364.8	335.0	299.5	260.2	219.1
-12.5°	480.0	456.8	438.4	422.3	405.4	385.9	361.8	331.8	296.3	257.2	216.5
-15°	474.2	452.7	435.4	419.5	402.6	382.8	358.2	327.9	292.4	253.6	213.4
-17.5°	467.4	447.9	431.9	416.3	399.3	379.1	354.0	323.3	287.8	249.4	209.8
-20°	461.3	443.0	427.9	412.7	395.5	374.9	349.2	318.0	282.6	244.6	205.5

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Scaled Data Report



REPORT NUMBER: P624742 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-22

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	454.7	438.2	423.4	408.1	390.9	370.2	343.8	312.1	276.7	239.1	200.8
-25°	447.4	432.8	418.5	403.0	385.2	363.6	337.1	305.5	270.2	233.0	195.5
-27.5°	440.7	427.0	413.1	397.5	379.0	356.4	329.1	297.5	262.9	226.4	189.8
-30°	434.0	420.8	406.8	391.1	372.2	348.5	320.5	288.8	254.7	219.2	183.5
-32.5°	426.8	414.1	399.8	383.3	363.6	340.0	311.2	279.5	245.9	211.4	176.5
-35°	419.3	406.4	392.3	374.9	353.8	329.1	300.8	269.5	236.6	203.1	168.9
-37.5°	411.2	398.1	382.8	365.0	343.5	317.6	289.2	258.6	226.6	194.3	160.9
-40°	401.9	388.5	372.8	353.3	330.9	305.5	276.9	246.9	216.1	185.1	152.4
-42.5°	391.9	377.4	360.4	341.0	317.1	291.4	263.9	234.6	205.1	175.0	143.4
-45°	379.6	364.6	346.6	325.5	302.5	276.7	249.7	221.8	193.6	164.3	134.6
-47.5°	366.1	349.5	330.6	309.5	285.9	261.2	235.0	208.5	181.6	153.1	126.3
-50°	349.5	332.3	312.8	291.5	268.7	244.6	219.8	194.7	168.6	141.5	117.6
-52.5°	330.6	312.8	293.3	272.4	250.3	227.4	204.1	180.3	155.1	130.7	108.6
-55°	309.5	291.5	272.4	252.2	231.2	209.8	187.9	164.8	141.2	120.2	99.4
-57.5°	285.9	268.7	250.3	231.2	211.7	191.7	170.7	149.0	128.5	109.3	90.4
-60°	261.2	244.6	227.4	209.8	191.7	172.7	152.9	133.5	115.9	98.2	81.1
-62.5°	235.0	219.8	204.1	187.9	170.7	152.9	135.2	119.2	103.1	87.4	71.7
-65°	208.5	194.7	180.3	164.8	149.0	133.5	119.2	104.7	90.5	76.3	62.6
-67.5°	181.6	168.6	155.1	141.2	128.5	115.9	103.1	90.5	77.9	65.1	55.1
-70°	153.1	141.5	130.7	120.2	109.3	98.2	87.4	76.3	65.1	56.3	47.4
-72.5°	126.3	117.6	108.6	99.4	90.4	81.1	71.7	62.6	55.1	47.4	39.6
-75°	101.5	94.4	87.1	79.6	71.8	64.1	57.9	51.5	45.0	38.5	33.1
-77.5°	77.7	71.9	65.8	60.8	55.9	50.8	45.6	40.3	35.5	31.3	27.0
-80°	56.5	52.9	49.2	45.4	41.4	37.4	34.2	31.0	27.7	24.3	20.8
-82.5°	38.2	36.0	33.9	31.7	29.4	27.1	24.7	22.2	19.7	17.2	15.0
-85°	24.0	22.6	21.2	19.8	18.2	16.7	15.4	14.1	12.8	11.4	10.0
-87.5°	11.3	10.7	10.2	9.6	9.0	8.3	7.7	7.1	6.4	5.7	5.0
-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-3000K-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°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
85°	8.6	7.2	5.8	4.4	2.9	1.5	0.0
82.5°	12.9	10.8	8.7	6.5	4.4	2.2	0.0
80°	17.3	14.4	11.5	8.7	5.8	2.9	0.0
77.5°	22.6	18.2	14.4	10.8	7.2	3.6	0.0
75°	27.9	22.6	17.3	12.9	8.6	4.3	0.0
72.5°	33.1	27.0	20.8	15.0	10.0	5.0	0.0
70°	38.5	31.3	24.3	17.2	11.4	5.7	0.0
67.5°	45.0	35.5	27.7	19.7	12.8	6.4	0.0
65°	51.5	40.3	31.0	22.2	14.1	7.1	0.0
62.5°	57.9	45.6	34.2	24.7	15.4	7.7	0.0
60°	64.1	50.8	37.4	27.1	16.7	8.3	0.0
57.5°	71.8	55.9	41.4	29.4	18.2	9.0	0.0
55°	79.6	60.8	45.4	31.7	19.8	9.6	0.0
52.5°	87.1	65.8	49.2	33.9	21.2	10.2	0.0
50°	94.4	71.9	52.9	36.0	22.6	10.7	0.0
47.5°	101.5	77.7	56.5	38.2	24.0	11.3	0.0
45°	108.6	83.4	59.9	40.8	25.3	11.8	0.0
42.5°	115.5	88.8	63.2	43.3	26.6	12.3	0.0
40°	122.0	93.9	66.9	45.6	27.8	12.8	0.0
37.5°	128.2	98.8	70.8	47.9	28.9	13.2	0.0
35°	134.1	103.6	74.5	50.0	30.0	13.7	0.0
32.5°	139.9	108.2	77.9	52.0	31.0	14.1	0.0
30°	145.9	112.5	81.2	53.8	32.0	14.5	0.0
27.5°	151.6	116.5	84.2	55.5	32.9	14.8	0.0
25°	156.7	120.1	86.9	57.1	33.7	15.1	0.0
22.5°	161.4	123.5	89.5	58.6	34.4	15.4	0.0
20°	165.7	126.5	91.7	59.9	35.1	15.7	0.0
17.5°	169.4	129.2	93.7	61.0	35.7	15.9	0.0
15°	172.7	131.5	95.5	62.0	36.2	16.1	0.0
12.5°	175.5	133.5	97.0	62.9	36.6	16.3	0.0
10°	177.8	135.1	98.2	63.6	37.0	16.4	0.0
7.5°	179.6	136.4	99.2	64.1	37.2	16.6	0.0
5°	180.9	137.3	99.9	64.5	37.4	16.6	0.0
2.5°	181.6	137.8	100.3	64.7	37.6	16.7	0.0
0°	181.9	138.0	100.4	64.8	37.6	16.7	0.0
-2.5°	181.6	137.8	100.3	64.7	37.6	16.7	0.0
-5°	180.9	137.3	99.9	64.5	37.4	16.6	0.0
-7.5°	179.6	136.4	99.2	64.1	37.2	16.6	0.0
-10°	177.8	135.1	98.2	63.6	37.0	16.4	0.0
-12.5°	175.5	133.5	97.0	62.9	36.6	16.3	0.0
-15°	172.7	131.5	95.5	62.0	36.2	16.1	0.0
-17.5°	169.4	129.2	93.7	61.0	35.7	15.9	0.0
-20°	165.7	126.5	91.7	59.9	35.1	15.7	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	161.4	123.5	89.5	58.6	34.4	15.4	0.0
-25°	156.7	120.1	86.9	57.1	33.7	15.1	0.0
-27.5°	151.6	116.5	84.2	55.5	32.9	14.8	0.0
-30°	145.9	112.5	81.2	53.8	32.0	14.5	0.0
-32.5°	139.9	108.2	77.9	52.0	31.0	14.1	0.0
-35°	134.1	103.6	74.5	50.0	30.0	13.7	0.0
-37.5°	128.2	98.8	70.8	47.9	28.9	13.2	0.0
-40°	122.0	93.9	66.9	45.6	27.8	12.8	0.0
-42.5°	115.5	88.8	63.2	43.3	26.6	12.3	0.0
-45°	108.6	83.4	59.9	40.8	25.3	11.8	0.0
-47.5°	101.5	77.7	56.5	38.2	24.0	11.3	0.0
-50°	94.4	71.9	52.9	36.0	22.6	10.7	0.0
-52.5°	87.1	65.8	49.2	33.9	21.2	10.2	0.0
-55°	79.6	60.8	45.4	31.7	19.8	9.6	0.0
-57.5°	71.8	55.9	41.4	29.4	18.2	9.0	0.0
-60°	64.1	50.8	37.4	27.1	16.7	8.3	0.0
-62.5°	57.9	45.6	34.2	24.7	15.4	7.7	0.0
-65°	51.5	40.3	31.0	22.2	14.1	7.1	0.0
-67.5°	45.0	35.5	27.7	19.7	12.8	6.4	0.0
-70°	38.5	31.3	24.3	17.2	11.4	5.7	0.0
-72.5°	33.1	27.0	20.8	15.0	10.0	5.0	0.0
-75°	27.9	22.6	17.3	12.9	8.6	4.3	0.0
-77.5°	22.6	18.2	14.4	10.8	7.2	3.6	0.0
-80°	17.3	14.4	11.5	8.7	5.8	2.9	0.0
-82.5°	12.9	10.8	8.7	6.5	4.4	2.2	0.0
-85°	8.6	7.2	5.8	4.4	2.9	1.5	0.0
-87.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)