

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: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-4000K-22**

Issue Date: 11/8/2022



**Test Information**

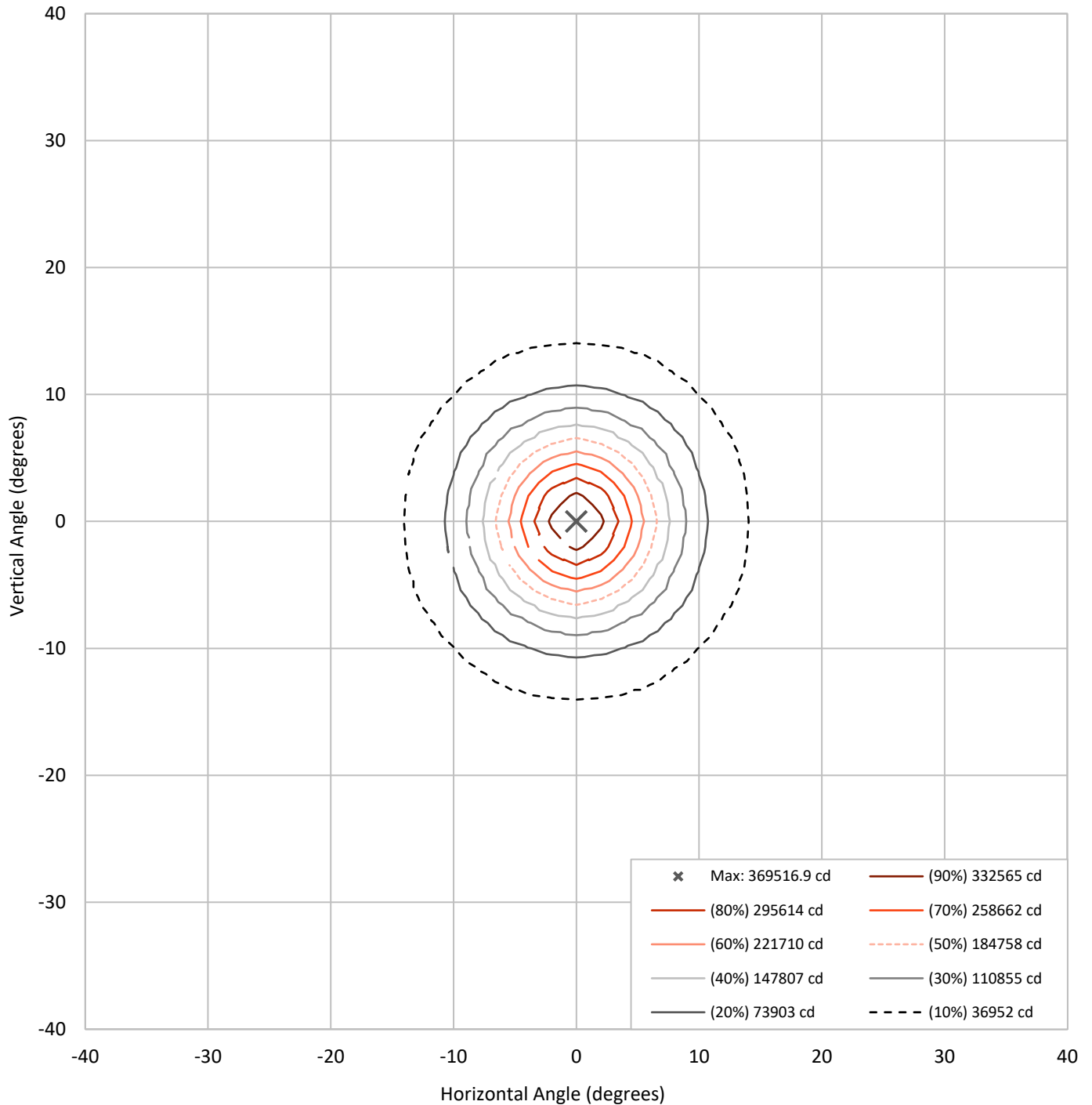
Test Method: LM-79-08  
Report Number: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-VN-04-E-PRO-4000K-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:	31442.5 lumens	Max Intensity:	369516.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.0 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:	11208.1 lumens	Field Lumens:	22239.2 lumens
Beam Efficiency:	35.6%	Field Efficiency:	70.7%
Input Watts (W):	249.5		
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





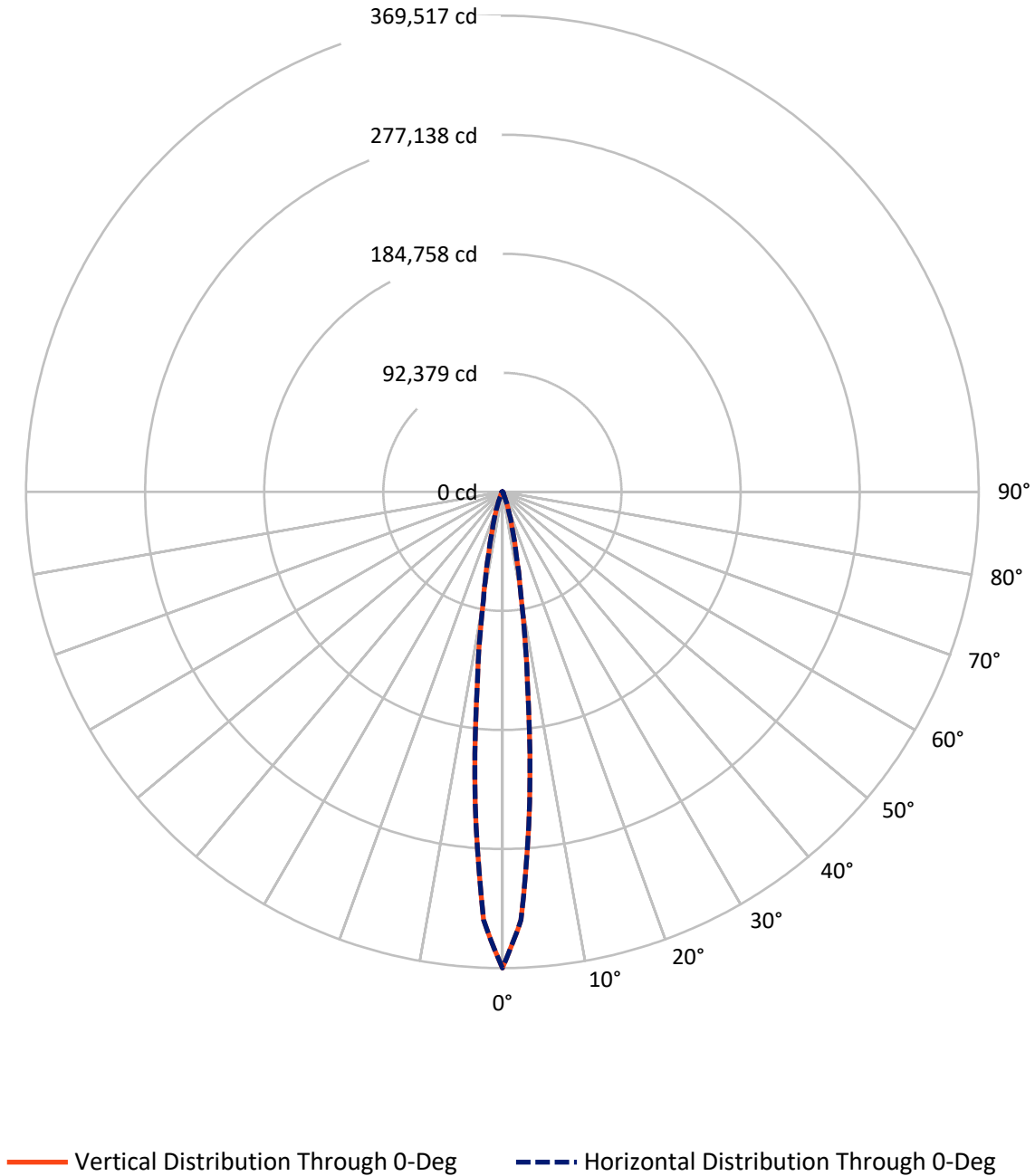
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### Lumen Table

90	0.5	4.2	11.4	18.5	21.5	18.5	11.4	4.2	0.5							
80	0.5	4.2	11.4	18.5	21.5	18.5	11.4	4.2	0.5							
70	1.9	2.2	4.6	7.6	10.6	13.3	15.2	16.1	16.1	15.2	13.3	10.6	7.6	4.6	2.2	1.9
60		3.4	7.0	11.1	14.8	17.6	19.6	20.6	20.6	19.6	17.6	14.8	11.1	7.0	3.4	
50	3.6	4.6	9.0	13.4	17.1	20.6	24.0	26.1	26.1	24.0	20.6	17.1	13.4	9.0	4.6	3.6
40		5.6	10.4	14.8	19.7	26.6	33.2	37.7	37.7	33.2	26.6	19.7	14.8	10.4	5.6	
30	4.8	6.3	11.2	16.1	24.1	35.2	62.1	115.9	115.9	62.1	35.2	24.1	16.1	11.2	6.3	4.8
20		6.7	11.7	17.6	28.3	58.5	290.5	884.4	884.4	290.5	58.5	28.3	17.6	11.7	6.7	
10	5.2	6.9	11.9	18.6	31.1	106.6	862.4	4769.7	4769.7	862.4	106.6	31.1	18.6	11.9	6.9	5.2
0		6.9	11.9	18.6	31.1	106.6	862.4	4769.7	4769.7	862.4	106.6	31.1	18.6	11.9	6.9	
-10	4.8	6.7	11.7	17.6	28.3	58.5	290.5	884.4	884.4	290.5	58.5	28.3	17.6	11.7	6.7	4.8
-20		6.3	11.2	16.1	24.1	35.2	62.1	115.9	115.9	62.1	35.2	24.1	16.1	11.2	6.3	
-30	3.6	5.6	10.4	14.8	19.7	26.6	33.2	37.7	37.7	33.2	26.6	19.7	14.8	10.4	5.6	3.6
-40		4.6	9.0	13.4	17.1	20.6	24.0	26.1	26.1	24.0	20.6	17.1	13.4	9.0	4.6	
-50	1.9	3.4	7.0	11.1	14.8	17.6	19.6	20.6	20.6	19.6	17.6	14.8	11.1	7.0	3.4	1.9
-60		2.2	4.6	7.6	10.6	13.3	15.2	16.1	16.1	15.2	13.3	10.6	7.6	4.6	2.2	
-70	0.5	4.2	11.4	18.5	21.5	18.5	11.4	4.2	0.5							
-80		0.5	4.2	11.4	18.5	21.5	18.5	11.4	4.2	0.5						
-90	0.5	4.2	11.4	18.5	21.5	18.5	11.4	4.2	0.5							

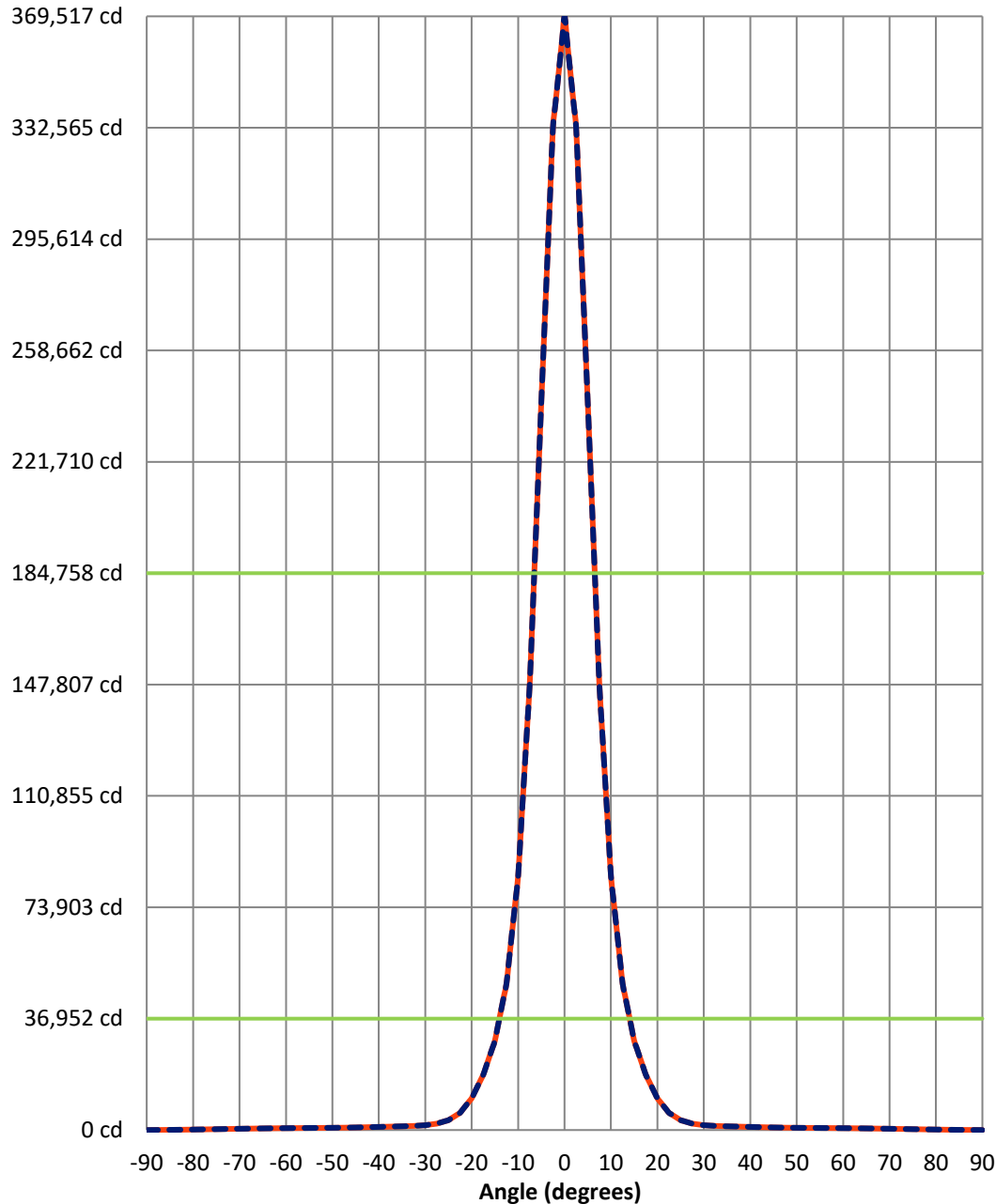
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13°  
 V Angle: 13°  
 Lumens: 11208.1  
 Efficiency: 35.6%

**Field:**  
 H Angle: 28.1°  
 V Angle: 28.1°  
 Lumens: 22239.2  
 Efficiency: 70.7%

**Spill:**  
 Lumens: 9203.3  
 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	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.1	10.2	11.2
85°	0.0	2.3	4.6	6.9	9.2	11.5	13.8	16.0	18.2	20.3	22.5
82.5°	0.0	3.5	6.9	10.4	13.8	17.2	20.6	23.9	27.4	31.4	35.4
80°	0.0	4.6	9.2	13.8	18.4	22.9	27.6	33.2	38.7	44.1	49.4
77.5°	0.0	5.8	11.5	17.2	22.9	29.1	36.1	43.0	49.8	56.6	64.2
75°	0.0	6.9	13.8	20.6	27.6	36.1	44.5	52.8	61.3	71.8	82.1
72.5°	0.0	8.0	16.0	23.9	33.2	43.0	52.8	63.2	75.5	87.7	99.8
70°	0.0	9.1	18.2	27.4	38.7	49.8	61.3	75.5	89.7	103.7	121.6
67.5°	0.0	10.2	20.3	31.4	44.1	56.6	71.8	87.7	103.7	124.1	144.1
65°	0.0	11.2	22.5	35.4	49.4	64.2	82.1	99.8	121.6	144.1	166.7
62.5°	0.0	12.3	24.5	39.3	54.6	72.6	92.2	114.1	139.1	164.1	189.9
60°	0.0	13.3	26.6	43.1	59.6	80.9	102.1	129.2	156.3	184.5	212.6
57.5°	0.0	14.3	29.1	46.9	66.0	89.0	114.4	143.9	173.9	204.6	237.3
55°	0.0	15.3	31.5	50.5	72.3	96.8	126.7	158.3	191.3	224.8	262.5
52.5°	0.0	16.2	33.8	54.0	78.4	104.8	138.6	173.0	208.2	247.0	287.1
50°	0.0	17.1	36.1	57.4	84.3	114.5	150.2	187.3	225.4	268.5	310.0
47.5°	0.0	18.0	38.3	60.9	90.0	123.8	161.5	201.1	243.8	289.2	332.1
45°	0.0	18.8	40.4	65.0	95.5	132.7	172.9	214.4	261.6	308.3	353.3
42.5°	0.0	19.6	42.4	68.9	100.7	141.3	183.8	228.4	278.7	326.7	373.7
40°	0.0	20.4	44.3	72.7	106.5	149.5	194.3	242.7	294.7	344.2	393.3
37.5°	0.0	21.1	46.1	76.2	112.7	157.3	204.2	256.2	309.5	360.9	412.0
35°	0.0	21.8	47.8	79.6	118.5	164.9	213.6	269.0	323.5	376.8	429.3
32.5°	0.0	22.4	49.4	82.8	124.1	172.2	222.8	281.1	336.7	391.7	445.2
30°	0.0	23.0	51.0	85.7	129.2	179.1	232.5	292.2	349.1	405.7	460.0
27.5°	0.0	23.6	52.4	88.5	134.0	185.4	241.4	302.2	360.6	418.7	473.9
25°	0.0	24.1	53.6	91.0	138.4	191.3	249.6	311.4	371.2	430.3	486.6
22.5°	0.0	24.6	54.8	93.3	142.4	196.6	257.1	319.8	380.8	440.7	497.0
20°	0.0	25.0	55.9	95.3	146.0	201.4	263.9	327.4	389.5	450.1	506.5
17.5°	0.0	25.4	56.8	97.2	149.2	205.7	269.9	334.1	397.3	458.4	514.8
15°	0.0	25.7	57.6	98.7	152.0	209.4	275.1	339.9	404.0	465.7	522.2
12.5°	0.0	26.0	58.3	100.1	154.4	212.6	279.5	344.9	409.8	471.9	528.4
10°	0.0	26.2	58.9	101.2	156.3	215.2	283.2	349.0	414.5	477.0	533.5
7.5°	0.0	26.4	59.3	102.1	157.8	217.2	286.0	352.2	418.1	481.0	537.5
5°	0.0	26.5	59.6	102.7	158.9	218.6	288.1	354.5	420.8	483.8	540.4
2.5°	0.0	26.6	59.8	103.1	159.6	219.5	289.3	355.8	422.4	485.5	542.1
0°	0.0	26.6	59.9	103.2	159.8	219.8	289.7	356.3	422.9	486.1	542.7
-2.5°	0.0	26.6	59.8	103.1	159.6	219.5	289.3	355.8	422.4	485.5	542.1
-5°	0.0	26.5	59.6	102.7	158.9	218.6	288.1	354.5	420.8	483.8	540.4
-7.5°	0.0	26.4	59.3	102.1	157.8	217.2	286.0	352.2	418.1	481.0	537.5
-10°	0.0	26.2	58.9	101.2	156.3	215.2	283.2	349.0	414.5	477.0	533.5
-12.5°	0.0	26.0	58.3	100.1	154.4	212.6	279.5	344.9	409.8	471.9	528.4
-15°	0.0	25.7	57.6	98.7	152.0	209.4	275.1	339.9	404.0	465.7	522.2
-17.5°	0.0	25.4	56.8	97.2	149.2	205.7	269.9	334.1	397.3	458.4	514.8
-20°	0.0	25.0	55.9	95.3	146.0	201.4	263.9	327.4	389.5	450.1	506.5

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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	24.6	54.8	93.3	142.4	196.6	257.1	319.8	380.8	440.7	497.0
-25°	0.0	24.1	53.6	91.0	138.4	191.3	249.6	311.4	371.2	430.3	486.6
-27.5°	0.0	23.6	52.4	88.5	134.0	185.4	241.4	302.2	360.6	418.7	473.9
-30°	0.0	23.0	51.0	85.7	129.2	179.1	232.5	292.2	349.1	405.7	460.0
-32.5°	0.0	22.4	49.4	82.8	124.1	172.2	222.8	281.1	336.7	391.7	445.2
-35°	0.0	21.8	47.8	79.6	118.5	164.9	213.6	269.0	323.5	376.8	429.3
-37.5°	0.0	21.1	46.1	76.2	112.7	157.3	204.2	256.2	309.5	360.9	412.0
-40°	0.0	20.4	44.3	72.7	106.5	149.5	194.3	242.7	294.7	344.2	393.3
-42.5°	0.0	19.6	42.4	68.9	100.7	141.3	183.8	228.4	278.7	326.7	373.7
-45°	0.0	18.8	40.4	65.0	95.5	132.7	172.9	214.4	261.6	308.3	353.3
-47.5°	0.0	18.0	38.3	60.9	90.0	123.8	161.5	201.1	243.8	289.2	332.1
-50°	0.0	17.1	36.1	57.4	84.3	114.5	150.2	187.3	225.4	268.5	310.0
-52.5°	0.0	16.2	33.8	54.0	78.4	104.8	138.6	173.0	208.2	247.0	287.1
-55°	0.0	15.3	31.5	50.5	72.3	96.8	126.7	158.3	191.3	224.8	262.5
-57.5°	0.0	14.3	29.1	46.9	66.0	89.0	114.4	143.9	173.9	204.6	237.3
-60°	0.0	13.3	26.6	43.1	59.6	80.9	102.1	129.2	156.3	184.5	212.6
-62.5°	0.0	12.3	24.5	39.3	54.6	72.6	92.2	114.1	139.1	164.1	189.9
-65°	0.0	11.2	22.5	35.4	49.4	64.2	82.1	99.8	121.6	144.1	166.7
-67.5°	0.0	10.2	20.3	31.4	44.1	56.6	71.8	87.7	103.7	124.1	144.1
-70°	0.0	9.1	18.2	27.4	38.7	49.8	61.3	75.5	89.7	103.7	121.6
-72.5°	0.0	8.0	16.0	23.9	33.2	43.0	52.8	63.2	75.5	87.7	99.8
-75°	0.0	6.9	13.8	20.6	27.6	36.1	44.5	52.8	61.3	71.8	82.1
-77.5°	0.0	5.8	11.5	17.2	22.9	29.1	36.1	43.0	49.8	56.6	64.2
-80°	0.0	4.6	9.2	13.8	18.4	22.9	27.6	33.2	38.7	44.1	49.4
-82.5°	0.0	3.5	6.9	10.4	13.8	17.2	20.6	23.9	27.4	31.4	35.4
-85°	0.0	2.3	4.6	6.9	9.2	11.5	13.8	16.0	18.2	20.3	22.5
-87.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.1	10.2	11.2
-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°	12.3	13.3	14.3	15.3	16.2	17.1	18.0	18.8	19.6	20.4	21.1
85°	24.5	26.6	29.1	31.5	33.8	36.1	38.3	40.4	42.4	44.3	46.1
82.5°	39.3	43.1	46.9	50.5	54.0	57.4	60.9	65.0	68.9	72.7	76.2
80°	54.6	59.6	66.0	72.3	78.4	84.3	90.0	95.5	100.7	106.5	112.7
77.5°	72.6	80.9	89.0	96.8	104.8	114.5	123.8	132.7	141.3	149.5	157.3
75°	92.2	102.1	114.4	126.7	138.6	150.2	161.5	172.9	183.8	194.3	204.2
72.5°	114.1	129.2	143.9	158.3	173.0	187.3	201.1	214.4	228.4	242.7	256.2
70°	139.1	156.3	173.9	191.3	208.2	225.4	243.8	261.6	278.7	294.7	309.5
67.5°	164.1	184.5	204.6	224.8	247.0	268.5	289.2	308.3	326.7	344.2	360.9
65°	189.9	212.6	237.3	262.5	287.1	310.0	332.1	353.3	373.7	393.3	412.0
62.5°	215.3	243.5	271.9	299.2	325.0	350.1	374.3	397.8	420.3	441.0	460.6
60°	243.5	275.1	305.3	334.1	362.2	389.5	416.0	440.7	464.1	486.6	505.8
57.5°	271.9	305.3	337.1	368.3	398.7	428.1	455.4	481.8	505.1	527.0	547.0
55°	299.2	334.1	368.3	401.8	433.9	464.2	492.9	518.4	543.0	562.6	581.3
52.5°	325.0	362.2	398.7	433.9	467.2	498.2	526.5	552.0	573.9	593.7	609.6
50°	350.1	389.5	428.1	464.2	498.2	529.2	556.5	580.7	600.9	618.7	633.9
47.5°	374.3	416.0	455.4	492.9	526.5	556.5	583.0	604.6	624.2	640.0	654.9
45°	397.8	440.7	481.8	518.4	552.0	580.7	604.6	626.0	643.1	659.2	673.3
42.5°	420.3	464.1	505.1	543.0	573.9	600.9	624.2	643.1	660.5	676.1	691.1
40°	441.0	486.6	527.0	562.6	593.7	618.7	640.0	659.2	676.1	692.5	708.4
37.5°	460.6	505.8	547.0	581.3	609.6	633.9	654.9	673.3	691.1	708.4	729.3
35°	479.1	524.1	563.5	597.1	624.7	647.3	667.7	686.8	705.5	727.4	751.7
32.5°	495.6	541.4	579.1	610.3	636.7	659.5	679.8	699.7	721.8	746.8	777.1
30°	510.3	555.0	592.8	622.8	647.8	670.1	691.2	712.7	738.2	769.5	810.9
27.5°	524.1	567.5	603.5	633.0	657.9	680.1	701.9	727.1	757.1	794.3	848.0
25°	536.8	579.1	613.4	641.9	666.5	689.3	712.6	740.6	775.9	826.9	890.7
22.5°	547.4	589.6	622.5	650.0	674.3	697.8	724.1	756.2	797.9	857.5	932.5
20°	556.1	597.1	629.9	657.2	681.5	705.6	734.6	770.9	823.6	893.2	971.8
17.5°	563.8	603.8	635.9	663.1	687.8	713.3	744.5	784.2	846.8	925.3	1007.9
15°	570.5	609.6	641.2	668.2	693.4	720.9	755.2	802.0	870.5	954.1	1039.9
12.5°	576.2	614.6	645.7	672.5	698.2	727.4	764.5	818.2	893.0	979.5	1069.4
10°	581.0	618.7	649.4	676.1	702.1	732.8	772.1	831.5	911.7	1000.6	1094.0
7.5°	584.6	621.9	652.3	679.0	705.2	737.0	778.0	842.1	926.5	1017.2	1113.5
5°	587.3	624.2	654.3	681.0	707.4	740.1	782.3	849.6	937.1	1029.2	1127.5
2.5°	588.9	625.5	655.6	682.2	708.8	741.9	784.9	854.2	943.5	1036.5	1136.0
0°	589.4	626.0	656.0	682.6	709.2	742.5	785.8	855.7	945.6	1038.9	1138.8
-2.5°	588.9	625.5	655.6	682.2	708.8	741.9	784.9	854.2	943.5	1036.5	1136.0
-5°	587.3	624.2	654.3	681.0	707.4	740.1	782.3	849.6	937.1	1029.2	1127.5
-7.5°	584.6	621.9	652.3	679.0	705.2	737.0	778.0	842.1	926.5	1017.2	1113.5
-10°	581.0	618.7	649.4	676.1	702.1	732.8	772.1	831.5	911.7	1000.6	1094.0
-12.5°	576.2	614.6	645.7	672.5	698.2	727.4	764.5	818.2	893.0	979.5	1069.4
-15°	570.5	609.6	641.2	668.2	693.4	720.9	755.2	802.0	870.5	954.1	1039.9
-17.5°	563.8	603.8	635.9	663.1	687.8	713.3	744.5	784.2	846.8	925.3	1007.9
-20°	556.1	597.1	629.9	657.2	681.5	705.6	734.6	770.9	823.6	893.2	971.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	547.4	589.6	622.5	650.0	674.3	697.8	724.1	756.2	797.9	857.5	932.5
-25°	536.8	579.1	613.4	641.9	666.5	689.3	712.6	740.6	775.9	826.9	890.7
-27.5°	524.1	567.5	603.5	633.0	657.9	680.1	701.9	727.1	757.1	794.3	848.0
-30°	510.3	555.0	592.8	622.8	647.8	670.1	691.2	712.7	738.2	769.5	810.9
-32.5°	495.6	541.4	579.1	610.3	636.7	659.5	679.8	699.7	721.8	746.8	777.1
-35°	479.1	524.1	563.5	597.1	624.7	647.3	667.7	686.8	705.5	727.4	751.7
-37.5°	460.6	505.8	547.0	581.3	609.6	633.9	654.9	673.3	691.1	708.4	729.3
-40°	441.0	486.6	527.0	562.6	593.7	618.7	640.0	659.2	676.1	692.5	708.4
-42.5°	420.3	464.1	505.1	543.0	573.9	600.9	624.2	643.1	660.5	676.1	691.1
-45°	397.8	440.7	481.8	518.4	552.0	580.7	604.6	626.0	643.1	659.2	673.3
-47.5°	374.3	416.0	455.4	492.9	526.5	556.5	583.0	604.6	624.2	640.0	654.9
-50°	350.1	389.5	428.1	464.2	498.2	529.2	556.5	580.7	600.9	618.7	633.9
-52.5°	325.0	362.2	398.7	433.9	467.2	498.2	526.5	552.0	573.9	593.7	609.6
-55°	299.2	334.1	368.3	401.8	433.9	464.2	492.9	518.4	543.0	562.6	581.3
-57.5°	271.9	305.3	337.1	368.3	398.7	428.1	455.4	481.8	505.1	527.0	547.0
-60°	243.5	275.1	305.3	334.1	362.2	389.5	416.0	440.7	464.1	486.6	505.8
-62.5°	215.3	243.5	271.9	299.2	325.0	350.1	374.3	397.8	420.3	441.0	460.6
-65°	189.9	212.6	237.3	262.5	287.1	310.0	332.1	353.3	373.7	393.3	412.0
-67.5°	164.1	184.5	204.6	224.8	247.0	268.5	289.2	308.3	326.7	344.2	360.9
-70°	139.1	156.3	173.9	191.3	208.2	225.4	243.8	261.6	278.7	294.7	309.5
-72.5°	114.1	129.2	143.9	158.3	173.0	187.3	201.1	214.4	228.4	242.7	256.2
-75°	92.2	102.1	114.4	126.7	138.6	150.2	161.5	172.9	183.8	194.3	204.2
-77.5°	72.6	80.9	89.0	96.8	104.8	114.5	123.8	132.7	141.3	149.5	157.3
-80°	54.6	59.6	66.0	72.3	78.4	84.3	90.0	95.5	100.7	106.5	112.7
-82.5°	39.3	43.1	46.9	50.5	54.0	57.4	60.9	65.0	68.9	72.7	76.2
-85°	24.5	26.6	29.1	31.5	33.8	36.1	38.3	40.4	42.4	44.3	46.1
-87.5°	12.3	13.3	14.3	15.3	16.2	17.1	18.0	18.8	19.6	20.4	21.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	21.8	22.4	23.0	23.6	24.1	24.6	25.0	25.4	25.7	26.0	26.2
85°	47.8	49.4	51.0	52.4	53.6	54.8	55.9	56.8	57.6	58.3	58.9
82.5°	79.6	82.8	85.7	88.5	91.0	93.3	95.3	97.2	98.7	100.1	101.2
80°	118.5	124.1	129.2	134.0	138.4	142.4	146.0	149.2	152.0	154.4	156.3
77.5°	164.9	172.2	179.1	185.4	191.3	196.6	201.4	205.7	209.4	212.6	215.2
75°	213.6	222.8	232.5	241.4	249.6	257.1	263.9	269.9	275.1	279.5	283.2
72.5°	269.0	281.1	292.2	302.2	311.4	319.8	327.4	334.1	339.9	344.9	349.0
70°	323.5	336.7	349.1	360.6	371.2	380.8	389.5	397.3	404.0	409.8	414.5
67.5°	376.8	391.7	405.7	418.7	430.3	440.7	450.1	458.4	465.7	471.9	477.0
65°	429.3	445.2	460.0	473.9	486.6	497.0	506.5	514.8	522.2	528.4	533.5
62.5°	479.1	495.6	510.3	524.1	536.8	547.4	556.1	563.8	570.5	576.2	581.0
60°	524.1	541.4	555.0	567.5	579.1	589.6	597.1	603.8	609.6	614.6	618.7
57.5°	563.5	579.1	592.8	603.5	613.4	622.5	629.9	635.9	641.2	645.7	649.4
55°	597.1	610.3	622.8	633.0	641.9	650.0	657.2	663.1	668.2	672.5	676.1
52.5°	624.7	636.7	647.8	657.9	666.5	674.3	681.5	687.8	693.4	698.2	702.1
50°	647.3	659.5	670.1	680.1	689.3	697.8	705.6	713.3	720.9	727.4	732.8
47.5°	667.7	679.8	691.2	701.9	712.6	724.1	734.6	744.5	752.2	764.5	772.1
45°	686.8	699.7	712.7	727.1	740.6	756.2	770.9	784.2	802.0	818.2	831.5
42.5°	705.5	721.8	738.2	757.1	775.9	797.9	823.6	846.8	870.5	893.0	911.7
40°	727.4	746.8	769.5	794.3	826.9	857.5	893.2	925.3	954.1	979.5	1000.6
37.5°	751.7	777.1	810.9	848.0	890.7	932.5	971.8	1007.9	1039.9	1069.4	1094.0
35°	779.7	819.3	862.4	913.3	961.9	1008.4	1052.1	1093.8	1130.9	1163.0	1189.8
32.5°	819.3	868.0	924.7	980.2	1033.3	1086.3	1135.7	1180.7	1220.8	1259.1	1294.2
30°	862.4	924.7	986.3	1046.5	1107.2	1164.4	1217.5	1271.5	1323.7	1380.1	1456.8
27.5°	913.3	980.2	1046.5	1114.3	1178.9	1240.3	1308.7	1384.8	1498.3	1597.9	1783.0
25°	961.9	1033.3	1107.2	1178.9	1249.5	1327.7	1444.0	1580.1	1830.3	2070.5	2446.6
22.5°	1008.4	1086.3	1164.4	1240.3	1327.7	1464.0	1650.4	1974.7	2438.5	3009.8	3746.9
20°	1052.1	1135.7	1217.5	1308.7	1444.0	1650.4	2023.7	2662.2	3457.1	4785.0	6153.8
17.5°	1093.8	1180.7	1271.5	1384.8	1580.1	1974.7	2662.2	3710.9	5323.2	7848.0	10385.2
15°	1130.9	1220.8	1323.7	1498.3	1830.3	2438.5	3457.1	5323.2	8429.1	12309.8	16911.0
12.5°	1163.0	1259.1	1380.1	1597.9	2070.5	3009.8	4785.0	7848.0	12309.8	18028.6	25307.7
10°	1189.8	1294.2	1456.8	1783.0	2446.6	3746.9	6153.8	10385.2	16911.0	25307.7	36423.5
7.5°	1211.0	1322.0	1517.9	1931.3	2802.6	4583.9	8013.2	13688.2	21822.2	33071.2	48969.7
5°	1226.3	1342.2	1562.3	2039.6	3063.5	5201.0	9394.6	16238.1	26049.3	41429.7	67540.4
2.5°	1235.6	1354.4	1589.3	2105.6	3222.9	5579.5	10247.0	17824.5	28710.8	46790.1	79810.2
0°	1238.7	1358.5	1598.3	2127.7	3276.5	5707.2	10535.3	18363.5	29621.3	48644.0	84135.6
-2.5°	1235.6	1354.4	1589.3	2105.6	3222.9	5579.5	10247.0	17824.5	28710.8	46790.1	79810.2
-5°	1226.3	1342.2	1562.3	2039.6	3063.5	5201.0	9394.6	16238.1	26049.3	41429.7	67540.4
-7.5°	1211.0	1322.0	1517.9	1931.3	2802.6	4583.9	8013.2	13688.2	21822.2	33071.2	48969.7
-10°	1189.8	1294.2	1456.8	1783.0	2446.6	3746.9	6153.8	10385.2	16911.0	25307.7	36423.5
-12.5°	1163.0	1259.1	1380.1	1597.9	2070.5	3009.8	4785.0	7848.0	12309.8	18028.6	25307.7
-15°	1130.9	1220.8	1323.7	1498.3	1830.3	2438.5	3457.1	5323.2	8429.1	12309.8	16911.0
-17.5°	1093.8	1180.7	1271.5	1384.8	1580.1	1974.7	2662.2	3710.9	5323.2	7848.0	10385.2
-20°	1052.1	1135.7	1217.5	1308.7	1444.0	1650.4	2023.7	2662.2	3457.1	4785.0	6153.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1008.4	1086.3	1164.4	1240.3	1327.7	1464.0	1650.4	1974.7	2438.5	3009.8	3746.9
-25°	961.9	1033.3	1107.2	1178.9	1249.5	1327.7	1444.0	1580.1	1830.3	2070.5	2446.6
-27.5°	913.3	980.2	1046.5	1114.3	1178.9	1240.3	1308.7	1384.8	1498.3	1597.9	1783.0
-30°	862.4	924.7	986.3	1046.5	1107.2	1164.4	1217.5	1271.5	1323.7	1380.1	1456.8
-32.5°	819.3	868.0	924.7	980.2	1033.3	1086.3	1135.7	1180.7	1220.8	1259.1	1294.2
-35°	779.7	819.3	862.4	913.3	961.9	1008.4	1052.1	1093.8	1130.9	1163.0	1189.8
-37.5°	751.7	777.1	810.9	848.0	890.7	932.5	971.8	1007.9	1039.9	1069.4	1094.0
-40°	727.4	746.8	769.5	794.3	826.9	857.5	893.2	925.3	954.1	979.5	1000.6
-42.5°	705.5	721.8	738.2	757.1	775.9	797.9	823.6	846.8	870.5	893.0	911.7
-45°	686.8	699.7	712.7	727.1	740.6	756.2	770.9	784.2	802.0	818.2	831.5
-47.5°	667.7	679.8	691.2	701.9	712.6	724.1	734.6	744.5	755.2	764.5	772.1
-50°	647.3	659.5	670.1	680.1	689.3	697.8	705.6	713.3	720.9	727.4	732.8
-52.5°	624.7	636.7	647.8	657.9	666.5	674.3	681.5	687.8	693.4	698.2	702.1
-55°	597.1	610.3	622.8	633.0	641.9	650.0	657.2	663.1	668.2	672.5	676.1
-57.5°	563.5	579.1	592.8	603.5	613.4	622.5	629.9	635.9	641.2	645.7	649.4
-60°	524.1	541.4	555.0	567.5	579.1	589.6	597.1	603.8	609.6	614.6	618.7
-62.5°	479.1	495.6	510.3	524.1	536.8	547.4	556.1	563.8	570.5	576.2	581.0
-65°	429.3	445.2	460.0	473.9	486.6	497.0	506.5	514.8	522.2	528.4	533.5
-67.5°	376.8	391.7	405.7	418.7	430.3	440.7	450.1	458.4	465.7	471.9	477.0
-70°	323.5	336.7	349.1	360.6	371.2	380.8	389.5	397.3	404.0	409.8	414.5
-72.5°	269.0	281.1	292.2	302.2	311.4	319.8	327.4	334.1	339.9	344.9	349.0
-75°	213.6	222.8	232.5	241.4	249.6	257.1	263.9	269.9	275.1	279.5	283.2
-77.5°	164.9	172.2	179.1	185.4	191.3	196.6	201.4	205.7	209.4	212.6	215.2
-80°	118.5	124.1	129.2	134.0	138.4	142.4	146.0	149.2	152.0	154.4	156.3
-82.5°	79.6	82.8	85.7	88.5	91.0	93.3	95.3	97.2	98.7	100.1	101.2
-85°	47.8	49.4	51.0	52.4	53.6	54.8	55.9	56.8	57.6	58.3	58.9
-87.5°	21.8	22.4	23.0	23.6	24.1	24.6	25.0	25.4	25.7	26.0	26.2
-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: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	26.4	26.5	26.6	26.6	26.6	26.5	26.4	26.2	26.0	25.7	25.4
85°	59.3	59.6	59.8	59.9	59.8	59.6	59.3	58.9	58.3	57.6	56.8
82.5°	102.1	102.7	103.1	103.2	103.1	102.7	102.1	101.2	100.1	98.7	97.2
80°	157.8	158.9	159.6	159.8	159.6	158.9	157.8	156.3	154.4	152.0	149.2
77.5°	217.2	218.6	219.5	219.8	219.5	218.6	217.2	215.2	212.6	209.4	205.7
75°	286.0	288.1	289.3	289.7	289.3	288.1	286.0	283.2	279.5	275.1	269.9
72.5°	352.2	354.5	355.8	356.3	355.8	354.5	352.2	349.0	344.9	339.9	334.1
70°	418.1	420.8	422.4	422.9	422.4	420.8	418.1	414.5	409.8	404.0	397.3
67.5°	481.0	483.8	485.5	486.1	485.5	483.8	481.0	477.0	471.9	465.7	458.4
65°	537.5	540.4	542.1	542.7	542.1	540.4	537.5	533.5	528.4	522.2	514.8
62.5°	584.6	587.3	588.9	589.4	588.9	587.3	584.6	581.0	576.2	570.5	563.8
60°	621.9	624.2	625.5	626.0	625.5	624.2	621.9	618.7	614.6	609.6	603.8
57.5°	652.3	654.3	655.6	656.0	655.6	654.3	652.3	649.4	645.7	641.2	635.9
55°	679.0	681.0	682.2	682.6	682.2	681.0	679.0	676.1	672.5	668.2	663.1
52.5°	705.2	707.4	708.8	709.2	708.8	707.4	705.2	702.1	698.2	693.4	687.8
50°	737.0	740.1	741.9	742.5	741.9	740.1	737.0	732.8	727.4	720.9	713.3
47.5°	778.0	782.3	784.9	785.8	784.9	782.3	778.0	772.1	764.5	755.2	744.5
45°	842.1	849.6	854.2	855.7	854.2	849.6	842.1	831.5	818.2	802.0	784.2
42.5°	926.5	937.1	943.5	945.6	943.5	937.1	926.5	911.7	893.0	870.5	846.8
40°	1017.2	1029.2	1036.5	1038.9	1036.5	1029.2	1017.2	1000.6	979.5	954.1	925.3
37.5°	1113.5	1127.5	1136.0	1138.8	1136.0	1127.5	1113.5	1094.0	1069.4	1039.9	1007.9
35°	1211.0	1226.3	1235.6	1238.7	1235.6	1226.3	1211.0	1189.8	1163.0	1130.9	1093.8
32.5°	1322.0	1342.2	1354.4	1358.5	1354.4	1342.2	1322.0	1294.2	1259.1	1220.8	1180.7
30°	1517.9	1562.3	1589.3	1598.3	1589.3	1562.3	1517.9	1456.8	1380.1	1323.7	1271.5
27.5°	1931.3	2039.6	2105.6	2127.7	2105.6	2039.6	1931.3	1783.0	1597.9	1498.3	1384.8
25°	2802.6	3063.5	3222.9	3276.5	3222.9	3063.5	2802.6	2446.6	2070.5	1830.3	1580.1
22.5°	4583.9	5201.0	5579.5	5707.2	5579.5	5201.0	4583.9	3746.9	3009.8	2438.5	1974.7
20°	8013.2	9394.6	10247.0	10535.3	10247.0	9394.6	8013.2	6153.8	4785.0	3457.1	2662.2
17.5°	13688.2	16238.1	17824.5	18363.5	17824.5	16238.1	13688.2	10385.2	7848.0	5323.2	3710.9
15°	21822.2	26049.3	28710.8	29621.3	28710.8	26049.3	21822.2	16911.0	12309.8	8429.1	5323.2
12.5°	33071.2	41429.7	46790.1	48644.0	46790.1	41429.7	33071.2	25307.7	18028.6	12309.8	7848.0
10°	48969.7	67540.4	79810.2	84135.6	79810.2	67540.4	48969.7	36423.5	25307.7	16911.0	10385.2
7.5°	75739.5	105220.0	135143.1	147826.8	135143.1	105220.0	75739.5	48969.7	33071.2	21822.2	13688.2
5°	105220.0	161453.3	217422.4	241591.9	217422.4	161453.3	105220.0	67540.4	41429.7	26049.3	16238.1
2.5°	135143.1	217422.4	299714.1	332561.9	299714.1	217422.4	135143.1	79810.2	46790.1	28710.8	17824.5
0°	147826.8	241591.9	332561.9	369516.9	332561.9	241591.9	147826.8	84135.6	48644.0	29621.3	18363.5
-2.5°	135143.1	217422.4	299714.1	332561.9	299714.1	217422.4	135143.1	79810.2	46790.1	28710.8	17824.5
-5°	105220.0	161453.3	217422.4	241591.9	217422.4	161453.3	105220.0	67540.4	41429.7	26049.3	16238.1
-7.5°	75739.5	105220.0	135143.1	147826.8	135143.1	105220.0	75739.5	48969.7	33071.2	21822.2	13688.2
-10°	48969.7	67540.4	79810.2	84135.6	79810.2	67540.4	48969.7	36423.5	25307.7	16911.0	10385.2
-12.5°	33071.2	41429.7	46790.1	48644.0	46790.1	41429.7	33071.2	25307.7	18028.6	12309.8	7848.0
-15°	21822.2	26049.3	28710.8	29621.3	28710.8	26049.3	21822.2	16911.0	12309.8	8429.1	5323.2
-17.5°	13688.2	16238.1	17824.5	18363.5	17824.5	16238.1	13688.2	10385.2	7848.0	5323.2	3710.9
-20°	8013.2	9394.6	10247.0	10535.3	10247.0	9394.6	8013.2	6153.8	4785.0	3457.1	2662.2



REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4583.9	5201.0	5579.5	5707.2	5579.5	5201.0	4583.9	3746.9	3009.8	2438.5	1974.7
-25°	2802.6	3063.5	3222.9	3276.5	3222.9	3063.5	2802.6	2446.6	2070.5	1830.3	1580.1
-27.5°	1931.3	2039.6	2105.6	2127.7	2105.6	2039.6	1931.3	1783.0	1597.9	1498.3	1384.8
-30°	1517.9	1562.3	1589.3	1598.3	1589.3	1562.3	1517.9	1456.8	1380.1	1323.7	1271.5
-32.5°	1322.0	1342.2	1354.4	1358.5	1354.4	1342.2	1322.0	1294.2	1259.1	1220.8	1180.7
-35°	1211.0	1226.3	1235.6	1238.7	1235.6	1226.3	1211.0	1189.8	1163.0	1130.9	1093.8
-37.5°	1113.5	1127.5	1136.0	1138.8	1136.0	1127.5	1113.5	1094.0	1069.4	1039.9	1007.9
-40°	1017.2	1029.2	1036.5	1038.9	1036.5	1029.2	1017.2	1000.6	979.5	954.1	925.3
-42.5°	926.5	937.1	943.5	945.6	943.5	937.1	926.5	911.7	893.0	870.5	846.8
-45°	842.1	849.6	854.2	855.7	854.2	849.6	842.1	831.5	818.2	802.0	784.2
-47.5°	778.0	782.3	784.9	785.8	784.9	782.3	778.0	772.1	764.5	755.2	744.5
-50°	737.0	740.1	741.9	742.5	741.9	740.1	737.0	732.8	727.4	720.9	713.3
-52.5°	705.2	707.4	708.8	709.2	708.8	707.4	705.2	702.1	698.2	693.4	687.8
-55°	679.0	681.0	682.2	682.6	682.2	681.0	679.0	676.1	672.5	668.2	663.1
-57.5°	652.3	654.3	655.6	656.0	655.6	654.3	652.3	649.4	645.7	641.2	635.9
-60°	621.9	624.2	625.5	626.0	625.5	624.2	621.9	618.7	614.6	609.6	603.8
-62.5°	584.6	587.3	588.9	589.4	588.9	587.3	584.6	581.0	576.2	570.5	563.8
-65°	537.5	540.4	542.1	542.7	542.1	540.4	537.5	533.5	528.4	522.2	514.8
-67.5°	481.0	483.8	485.5	486.1	485.5	483.8	481.0	477.0	471.9	465.7	458.4
-70°	418.1	420.8	422.4	422.9	422.4	420.8	418.1	414.5	409.8	404.0	397.3
-72.5°	352.2	354.5	355.8	356.3	355.8	354.5	352.2	349.0	344.9	339.9	334.1
-75°	286.0	288.1	289.3	289.7	289.3	288.1	286.0	283.2	279.5	275.1	269.9
-77.5°	217.2	218.6	219.5	219.8	219.5	218.6	217.2	215.2	212.6	209.4	205.7
-80°	157.8	158.9	159.6	159.8	159.6	158.9	157.8	156.3	154.4	152.0	149.2
-82.5°	102.1	102.7	103.1	103.2	103.1	102.7	102.1	101.2	100.1	98.7	97.2
-85°	59.3	59.6	59.8	59.9	59.8	59.6	59.3	58.9	58.3	57.6	56.8
-87.5°	26.4	26.5	26.6	26.6	26.6	26.5	26.4	26.2	26.0	25.7	25.4
-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: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	25.0	24.6	24.1	23.6	23.0	22.4	21.8	21.1	20.4	19.6	18.8
85°	55.9	54.8	53.6	52.4	51.0	49.4	47.8	46.1	44.3	42.4	40.4
82.5°	95.3	93.3	91.0	88.5	85.7	82.8	79.6	76.2	72.7	68.9	65.0
80°	146.0	142.4	138.4	134.0	129.2	124.1	118.5	112.7	106.5	100.7	95.5
77.5°	201.4	196.6	191.3	185.4	179.1	172.2	164.9	157.3	149.5	141.3	132.7
75°	263.9	257.1	249.6	241.4	232.5	222.8	213.6	204.2	194.3	183.8	172.9
72.5°	327.4	319.8	311.4	302.2	292.2	281.1	269.0	256.2	242.7	228.4	214.4
70°	389.5	380.8	371.2	360.6	349.1	336.7	323.5	309.5	294.7	278.7	261.6
67.5°	450.1	440.7	430.3	418.7	405.7	391.7	376.8	360.9	344.2	326.7	308.3
65°	506.5	497.0	486.6	473.9	460.0	445.2	429.3	412.0	393.3	373.7	353.3
62.5°	556.1	547.4	536.8	524.1	510.3	495.6	479.1	460.6	441.0	420.3	397.8
60°	597.1	589.6	579.1	567.5	555.0	541.4	524.1	505.8	486.6	464.1	440.7
57.5°	629.9	622.5	613.4	603.5	592.8	579.1	563.5	547.0	527.0	505.1	481.8
55°	657.2	650.0	641.9	633.0	622.8	610.3	597.1	581.3	562.6	543.0	518.4
52.5°	681.5	674.3	666.5	657.9	647.8	636.7	624.7	609.6	593.7	573.9	552.0
50°	705.6	697.8	689.3	680.1	670.1	659.5	647.3	633.9	618.7	600.9	580.7
47.5°	734.6	724.1	712.6	701.9	691.2	679.8	667.7	654.9	640.0	624.2	604.6
45°	770.9	756.2	740.6	727.1	712.7	699.7	686.8	673.3	659.2	643.1	626.0
42.5°	823.6	797.9	775.9	757.1	738.2	721.8	705.5	691.1	676.1	660.5	643.1
40°	893.2	857.5	826.9	794.3	769.5	746.8	727.4	708.4	692.5	676.1	659.2
37.5°	971.8	932.5	890.7	848.0	810.9	777.1	751.7	729.3	708.4	691.1	673.3
35°	1052.1	1008.4	961.9	913.3	862.4	819.3	779.7	751.7	727.4	705.5	686.8
32.5°	1135.7	1086.3	1033.3	980.2	924.7	868.0	819.3	777.1	746.8	721.8	699.7
30°	1217.5	1164.4	1107.2	1046.5	986.3	924.7	862.4	810.9	769.5	738.2	712.7
27.5°	1308.7	1240.3	1178.9	1114.3	1046.5	980.2	913.3	848.0	794.3	757.1	727.1
25°	1444.0	1327.7	1249.5	1178.9	1107.2	1033.3	961.9	890.7	826.9	775.9	740.6
22.5°	1650.4	1464.0	1327.7	1240.3	1164.4	1086.3	1008.4	932.5	857.5	797.9	756.2
20°	2023.7	1650.4	1444.0	1308.7	1217.5	1135.7	1052.1	971.8	893.2	823.6	770.9
17.5°	2662.2	1974.7	1580.1	1384.8	1271.5	1180.7	1093.8	1007.9	925.3	846.8	784.2
15°	3457.1	2438.5	1830.3	1498.3	1323.7	1220.8	1130.9	1039.9	954.1	870.5	802.0
12.5°	4785.0	3009.8	2070.5	1597.9	1380.1	1259.1	1163.0	1069.4	979.5	893.0	818.2
10°	6153.8	3746.9	2446.6	1783.0	1456.8	1294.2	1189.8	1094.0	1000.6	911.7	831.5
7.5°	8013.2	4583.9	2802.6	1931.3	1517.9	1322.0	1211.0	1113.5	1017.2	926.5	842.1
5°	9394.6	5201.0	3063.5	2039.6	1562.3	1342.2	1226.3	1127.5	1029.2	937.1	849.6
2.5°	10247.0	5579.5	3222.9	2105.6	1589.3	1354.4	1235.6	1136.0	1036.5	943.5	854.2
0°	10535.3	5707.2	3276.5	2127.7	1598.3	1358.5	1238.7	1138.8	1038.9	945.6	855.7
-2.5°	10247.0	5579.5	3222.9	2105.6	1589.3	1354.4	1235.6	1136.0	1036.5	943.5	854.2
-5°	9394.6	5201.0	3063.5	2039.6	1562.3	1342.2	1226.3	1127.5	1029.2	937.1	849.6
-7.5°	8013.2	4583.9	2802.6	1931.3	1517.9	1322.0	1211.0	1113.5	1017.2	926.5	842.1
-10°	6153.8	3746.9	2446.6	1783.0	1456.8	1294.2	1189.8	1094.0	1000.6	911.7	831.5
-12.5°	4785.0	3009.8	2070.5	1597.9	1380.1	1259.1	1163.0	1069.4	979.5	893.0	818.2
-15°	3457.1	2438.5	1830.3	1498.3	1323.7	1220.8	1130.9	1039.9	954.1	870.5	802.0
-17.5°	2662.2	1974.7	1580.1	1384.8	1271.5	1180.7	1093.8	1007.9	925.3	846.8	784.2
-20°	2023.7	1650.4	1444.0	1308.7	1217.5	1135.7	1052.1	971.8	893.2	823.6	770.9

Classified

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

Scaled Data Report



REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1650.4	1464.0	1327.7	1240.3	1164.4	1086.3	1008.4	932.5	857.5	797.9	756.2
-25°	1444.0	1327.7	1249.5	1178.9	1107.2	1033.3	961.9	890.7	826.9	775.9	740.6
-27.5°	1308.7	1240.3	1178.9	1114.3	1046.5	980.2	913.3	848.0	794.3	757.1	727.1
-30°	1217.5	1164.4	1107.2	1046.5	986.3	924.7	862.4	810.9	769.5	738.2	712.7
-32.5°	1135.7	1086.3	1033.3	980.2	924.7	868.0	819.3	777.1	746.8	721.8	699.7
-35°	1052.1	1008.4	961.9	913.3	862.4	819.3	779.7	751.7	727.4	705.5	686.8
-37.5°	971.8	932.5	890.7	848.0	810.9	777.1	751.7	729.3	708.4	691.1	673.3
-40°	893.2	857.5	826.9	794.3	769.5	746.8	727.4	708.4	692.5	676.1	659.2
-42.5°	823.6	797.9	775.9	757.1	738.2	721.8	705.5	691.1	676.1	660.5	643.1
-45°	770.9	756.2	740.6	727.1	712.7	699.7	686.8	673.3	659.2	643.1	626.0
-47.5°	734.6	724.1	712.6	701.9	691.2	679.8	667.7	654.9	640.0	624.2	604.6
-50°	705.6	697.8	689.3	680.1	670.1	659.5	647.3	633.9	618.7	600.9	580.7
-52.5°	681.5	674.3	666.5	657.9	647.8	636.7	624.7	609.6	593.7	573.9	552.0
-55°	657.2	650.0	641.9	633.0	622.8	610.3	597.1	581.3	562.6	543.0	518.4
-57.5°	629.9	622.5	613.4	603.5	592.8	579.1	563.5	547.0	527.0	505.1	481.8
-60°	597.1	589.6	579.1	567.5	555.0	541.4	524.1	505.8	486.6	464.1	440.7
-62.5°	556.1	547.4	536.8	524.1	510.3	495.6	479.1	460.6	441.0	420.3	397.8
-65°	506.5	497.0	486.6	473.9	460.0	445.2	429.3	412.0	393.3	373.7	353.3
-67.5°	450.1	440.7	430.3	418.7	405.7	391.7	376.8	360.9	344.2	326.7	308.3
-70°	389.5	380.8	371.2	360.6	349.1	336.7	323.5	309.5	294.7	278.7	261.6
-72.5°	327.4	319.8	311.4	302.2	292.2	281.1	269.0	256.2	242.7	228.4	214.4
-75°	263.9	257.1	249.6	241.4	232.5	222.8	213.6	204.2	194.3	183.8	172.9
-77.5°	201.4	196.6	191.3	185.4	179.1	172.2	164.9	157.3	149.5	141.3	132.7
-80°	146.0	142.4	138.4	134.0	129.2	124.1	118.5	112.7	106.5	100.7	95.5
-82.5°	95.3	93.3	91.0	88.5	85.7	82.8	79.6	76.2	72.7	68.9	65.0
-85°	55.9	54.8	53.6	52.4	51.0	49.4	47.8	46.1	44.3	42.4	40.4
-87.5°	25.0	24.6	24.1	23.6	23.0	22.4	21.8	21.1	20.4	19.6	18.8
-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: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	18.0	17.1	16.2	15.3	14.3	13.3	12.3	11.2	10.2	9.1	8.0
85°	38.3	36.1	33.8	31.5	29.1	26.6	24.5	22.5	20.3	18.2	16.0
82.5°	60.9	57.4	54.0	50.5	46.9	43.1	39.3	35.4	31.4	27.4	23.9
80°	90.0	84.3	78.4	72.3	66.0	59.6	54.6	49.4	44.1	38.7	33.2
77.5°	123.8	114.5	104.8	96.8	89.0	80.9	72.6	64.2	56.6	49.8	43.0
75°	161.5	150.2	138.6	126.7	114.4	102.1	92.2	82.1	71.8	61.3	52.8
72.5°	201.1	187.3	173.0	158.3	143.9	129.2	114.1	99.8	87.7	75.5	63.2
70°	243.8	225.4	208.2	191.3	173.9	156.3	139.1	121.6	103.7	89.7	75.5
67.5°	289.2	268.5	247.0	224.8	204.6	184.5	164.1	144.1	124.1	103.7	87.7
65°	332.1	310.0	287.1	262.5	237.3	212.6	189.9	166.7	144.1	121.6	99.8
62.5°	374.3	350.1	325.0	299.2	271.9	243.5	215.3	189.9	164.1	139.1	114.1
60°	416.0	389.5	362.2	334.1	305.3	275.1	243.5	212.6	184.5	156.3	129.2
57.5°	455.4	428.1	398.7	368.3	337.1	305.3	271.9	237.3	204.6	173.9	143.9
55°	492.9	464.2	433.9	401.8	368.3	334.1	299.2	262.5	224.8	191.3	158.3
52.5°	526.5	498.2	467.2	433.9	398.7	362.2	325.0	287.1	247.0	208.2	173.0
50°	556.5	529.2	498.2	464.2	428.1	389.5	350.1	310.0	268.5	225.4	187.3
47.5°	583.0	556.5	526.5	492.9	455.4	416.0	374.3	332.1	289.2	243.8	201.1
45°	604.6	580.7	552.0	518.4	481.8	440.7	397.8	353.3	308.3	261.6	214.4
42.5°	624.2	600.9	573.9	543.0	505.1	464.1	420.3	373.7	326.7	278.7	228.4
40°	640.0	618.7	593.7	562.6	527.0	486.6	441.0	393.3	344.2	294.7	242.7
37.5°	654.9	633.9	609.6	581.3	547.0	505.8	460.6	412.0	360.9	309.5	256.2
35°	667.7	647.3	624.7	597.1	563.5	524.1	479.1	429.3	376.8	323.5	269.0
32.5°	679.8	659.5	636.7	610.3	579.1	541.4	495.6	445.2	391.7	336.7	281.1
30°	691.2	670.1	647.8	622.8	592.8	555.0	510.3	460.0	405.7	349.1	292.2
27.5°	701.9	680.1	657.9	633.0	603.5	567.5	524.1	473.9	418.7	360.6	302.2
25°	712.6	689.3	666.5	641.9	613.4	579.1	536.8	486.6	430.3	371.2	311.4
22.5°	724.1	697.8	674.3	650.0	622.5	589.6	547.4	497.0	440.7	380.8	319.8
20°	734.6	705.6	681.5	657.2	629.9	597.1	556.1	506.5	450.1	389.5	327.4
17.5°	744.5	713.3	687.8	663.1	635.9	603.8	563.8	514.8	458.4	397.3	334.1
15°	755.2	720.9	693.4	668.2	641.2	609.6	570.5	522.2	465.7	404.0	339.9
12.5°	764.5	727.4	698.2	672.5	645.7	614.6	576.2	528.4	471.9	409.8	344.9
10°	772.1	732.8	702.1	676.1	649.4	618.7	581.0	533.5	477.0	414.5	349.0
7.5°	778.0	737.0	705.2	679.0	652.3	621.9	584.6	537.5	481.0	418.1	352.2
5°	782.3	740.1	707.4	681.0	654.3	624.2	587.3	540.4	483.8	420.8	354.5
2.5°	784.9	741.9	708.8	682.2	655.6	625.5	588.9	542.1	485.5	422.4	355.8
0°	785.8	742.5	709.2	682.6	656.0	626.0	589.4	542.7	486.1	422.9	356.3
-2.5°	784.9	741.9	708.8	682.2	655.6	625.5	588.9	542.1	485.5	422.4	355.8
-5°	782.3	740.1	707.4	681.0	654.3	624.2	587.3	540.4	483.8	420.8	354.5
-7.5°	778.0	737.0	705.2	679.0	652.3	621.9	584.6	537.5	481.0	418.1	352.2
-10°	772.1	732.8	702.1	676.1	649.4	618.7	581.0	533.5	477.0	414.5	349.0
-12.5°	764.5	727.4	698.2	672.5	645.7	614.6	576.2	528.4	471.9	409.8	344.9
-15°	755.2	720.9	693.4	668.2	641.2	609.6	570.5	522.2	465.7	404.0	339.9
-17.5°	744.5	713.3	687.8	663.1	635.9	603.8	563.8	514.8	458.4	397.3	334.1
-20°	734.6	705.6	681.5	657.2	629.9	597.1	556.1	506.5	450.1	389.5	327.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	724.1	697.8	674.3	650.0	622.5	589.6	547.4	497.0	440.7	380.8	319.8
-25°	712.6	689.3	666.5	641.9	613.4	579.1	536.8	486.6	430.3	371.2	311.4
-27.5°	701.9	680.1	657.9	633.0	603.5	567.5	524.1	473.9	418.7	360.6	302.2
-30°	691.2	670.1	647.8	622.8	592.8	555.0	510.3	460.0	405.7	349.1	292.2
-32.5°	679.8	659.5	636.7	610.3	579.1	541.4	495.6	445.2	391.7	336.7	281.1
-35°	667.7	647.3	624.7	597.1	563.5	524.1	479.1	429.3	376.8	323.5	269.0
-37.5°	654.9	633.9	609.6	581.3	547.0	505.8	460.6	412.0	360.9	309.5	256.2
-40°	640.0	618.7	593.7	562.6	527.0	486.6	441.0	393.3	344.2	294.7	242.7
-42.5°	624.2	600.9	573.9	543.0	505.1	464.1	420.3	373.7	326.7	278.7	228.4
-45°	604.6	580.7	552.0	518.4	481.8	440.7	397.8	353.3	308.3	261.6	214.4
-47.5°	583.0	556.5	526.5	492.9	455.4	416.0	374.3	332.1	289.2	243.8	201.1
-50°	556.5	529.2	498.2	464.2	428.1	389.5	350.1	310.0	268.5	225.4	187.3
-52.5°	526.5	498.2	467.2	433.9	398.7	362.2	325.0	287.1	247.0	208.2	173.0
-55°	492.9	464.2	433.9	401.8	368.3	334.1	299.2	262.5	224.8	191.3	158.3
-57.5°	455.4	428.1	398.7	368.3	337.1	305.3	271.9	237.3	204.6	173.9	143.9
-60°	416.0	389.5	362.2	334.1	305.3	275.1	243.5	212.6	184.5	156.3	129.2
-62.5°	374.3	350.1	325.0	299.2	271.9	243.5	215.3	189.9	164.1	139.1	114.1
-65°	332.1	310.0	287.1	262.5	237.3	212.6	189.9	166.7	144.1	121.6	99.8
-67.5°	289.2	268.5	247.0	224.8	204.6	184.5	164.1	144.1	124.1	103.7	87.7
-70°	243.8	225.4	208.2	191.3	173.9	156.3	139.1	121.6	103.7	89.7	75.5
-72.5°	201.1	187.3	173.0	158.3	143.9	129.2	114.1	99.8	87.7	75.5	63.2
-75°	161.5	150.2	138.6	126.7	114.4	102.1	92.2	82.1	71.8	61.3	52.8
-77.5°	123.8	114.5	104.8	96.8	89.0	80.9	72.6	64.2	56.6	49.8	43.0
-80°	90.0	84.3	78.4	72.3	66.0	59.6	54.6	49.4	44.1	38.7	33.2
-82.5°	60.9	57.4	54.0	50.5	46.9	43.1	39.3	35.4	31.4	27.4	23.9
-85°	38.3	36.1	33.8	31.5	29.1	26.6	24.5	22.5	20.3	18.2	16.0
-87.5°	18.0	17.1	16.2	15.3	14.3	13.3	12.3	11.2	10.2	9.1	8.0
-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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Scaled Data Report



REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
85°	13.8	11.5	9.2	6.9	4.6	2.3	0.0
82.5°	20.6	17.2	13.8	10.4	6.9	3.5	0.0
80°	27.6	22.9	18.4	13.8	9.2	4.6	0.0
77.5°	36.1	29.1	22.9	17.2	11.5	5.8	0.0
75°	44.5	36.1	27.6	20.6	13.8	6.9	0.0
72.5°	52.8	43.0	33.2	23.9	16.0	8.0	0.0
70°	61.3	49.8	38.7	27.4	18.2	9.1	0.0
67.5°	71.8	56.6	44.1	31.4	20.3	10.2	0.0
65°	82.1	64.2	49.4	35.4	22.5	11.2	0.0
62.5°	92.2	72.6	54.6	39.3	24.5	12.3	0.0
60°	102.1	80.9	59.6	43.1	26.6	13.3	0.0
57.5°	114.4	89.0	66.0	46.9	29.1	14.3	0.0
55°	126.7	96.8	72.3	50.5	31.5	15.3	0.0
52.5°	138.6	104.8	78.4	54.0	33.8	16.2	0.0
50°	150.2	114.5	84.3	57.4	36.1	17.1	0.0
47.5°	161.5	123.8	90.0	60.9	38.3	18.0	0.0
45°	172.9	132.7	95.5	65.0	40.4	18.8	0.0
42.5°	183.8	141.3	100.7	68.9	42.4	19.6	0.0
40°	194.3	149.5	106.5	72.7	44.3	20.4	0.0
37.5°	204.2	157.3	112.7	76.2	46.1	21.1	0.0
35°	213.6	164.9	118.5	79.6	47.8	21.8	0.0
32.5°	222.8	172.2	124.1	82.8	49.4	22.4	0.0
30°	232.5	179.1	129.2	85.7	51.0	23.0	0.0
27.5°	241.4	185.4	134.0	88.5	52.4	23.6	0.0
25°	249.6	191.3	138.4	91.0	53.6	24.1	0.0
22.5°	257.1	196.6	142.4	93.3	54.8	24.6	0.0
20°	263.9	201.4	146.0	95.3	55.9	25.0	0.0
17.5°	269.9	205.7	149.2	97.2	56.8	25.4	0.0
15°	275.1	209.4	152.0	98.7	57.6	25.7	0.0
12.5°	279.5	212.6	154.4	100.1	58.3	26.0	0.0
10°	283.2	215.2	156.3	101.2	58.9	26.2	0.0
7.5°	286.0	217.2	157.8	102.1	59.3	26.4	0.0
5°	288.1	218.6	158.9	102.7	59.6	26.5	0.0
2.5°	289.3	219.5	159.6	103.1	59.8	26.6	0.0
0°	289.7	219.8	159.8	103.2	59.9	26.6	0.0
-2.5°	289.3	219.5	159.6	103.1	59.8	26.6	0.0
-5°	288.1	218.6	158.9	102.7	59.6	26.5	0.0
-7.5°	286.0	217.2	157.8	102.1	59.3	26.4	0.0
-10°	283.2	215.2	156.3	101.2	58.9	26.2	0.0
-12.5°	279.5	212.6	154.4	100.1	58.3	26.0	0.0
-15°	275.1	209.4	152.0	98.7	57.6	25.7	0.0
-17.5°	269.9	205.7	149.2	97.2	56.8	25.4	0.0
-20°	263.9	201.4	146.0	95.3	55.9	25.0	0.0

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REPORT NUMBER: P624749 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	257.1	196.6	142.4	93.3	54.8	24.6	0.0
-25°	249.6	191.3	138.4	91.0	53.6	24.1	0.0
-27.5°	241.4	185.4	134.0	88.5	52.4	23.6	0.0
-30°	232.5	179.1	129.2	85.7	51.0	23.0	0.0
-32.5°	222.8	172.2	124.1	82.8	49.4	22.4	0.0
-35°	213.6	164.9	118.5	79.6	47.8	21.8	0.0
-37.5°	204.2	157.3	112.7	76.2	46.1	21.1	0.0
-40°	194.3	149.5	106.5	72.7	44.3	20.4	0.0
-42.5°	183.8	141.3	100.7	68.9	42.4	19.6	0.0
-45°	172.9	132.7	95.5	65.0	40.4	18.8	0.0
-47.5°	161.5	123.8	90.0	60.9	38.3	18.0	0.0
-50°	150.2	114.5	84.3	57.4	36.1	17.1	0.0
-52.5°	138.6	104.8	78.4	54.0	33.8	16.2	0.0
-55°	126.7	96.8	72.3	50.5	31.5	15.3	0.0
-57.5°	114.4	89.0	66.0	46.9	29.1	14.3	0.0
-60°	102.1	80.9	59.6	43.1	26.6	13.3	0.0
-62.5°	92.2	72.6	54.6	39.3	24.5	12.3	0.0
-65°	82.1	64.2	49.4	35.4	22.5	11.2	0.0
-67.5°	71.8	56.6	44.1	31.4	20.3	10.2	0.0
-70°	61.3	49.8	38.7	27.4	18.2	9.1	0.0
-72.5°	52.8	43.0	33.2	23.9	16.0	8.0	0.0
-75°	44.5	36.1	27.6	20.6	13.8	6.9	0.0
-77.5°	36.1	29.1	22.9	17.2	11.5	5.8	0.0
-80°	27.6	22.9	18.4	13.8	9.2	4.6	0.0
-82.5°	20.6	17.2	13.8	10.4	6.9	3.5	0.0
-85°	13.8	11.5	9.2	6.9	4.6	2.3	0.0
-87.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)