

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: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-3000K-44**

Issue Date: 11/8/2022

**Test Information**

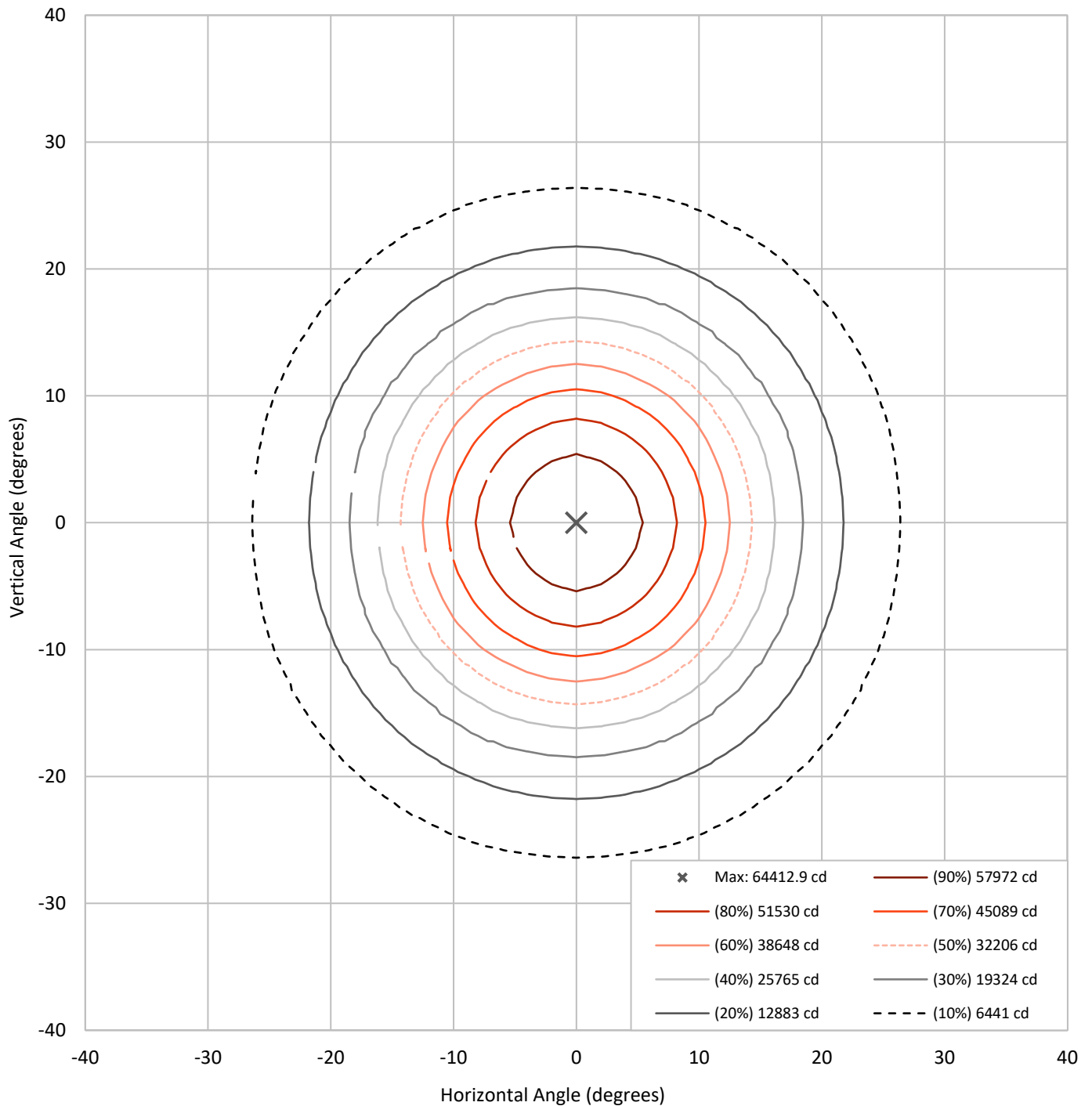
Test Method: LM-79-08  
 Report Number: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)  
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-8)  
 Test Lab: INNOVATION CENTER  
 Issue Date: 11/8/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: EPHESUS  
 Catalog Number: EPH-VN-04-E-PRO-3000K-44  
 Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
 3000K AND TYPE 44 OPTICS  
 Light Source: -  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	19916.7 lumens	Max Intensity:	64412.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	28.6°H x 28.6°V	Field Angle (10%):	52.7°H x 52.7°V
Beam Lumens:	9583.5 lumens	Field Lumens:	16181.1 lumens
Beam Efficiency:	48.1%	Field Efficiency:	81.2%
Input Watts (W):	163.5		
Input Voltage (V):	NR		
Input Current (A <sub>in</sub> ):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

### Iso-Candela Plot





REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

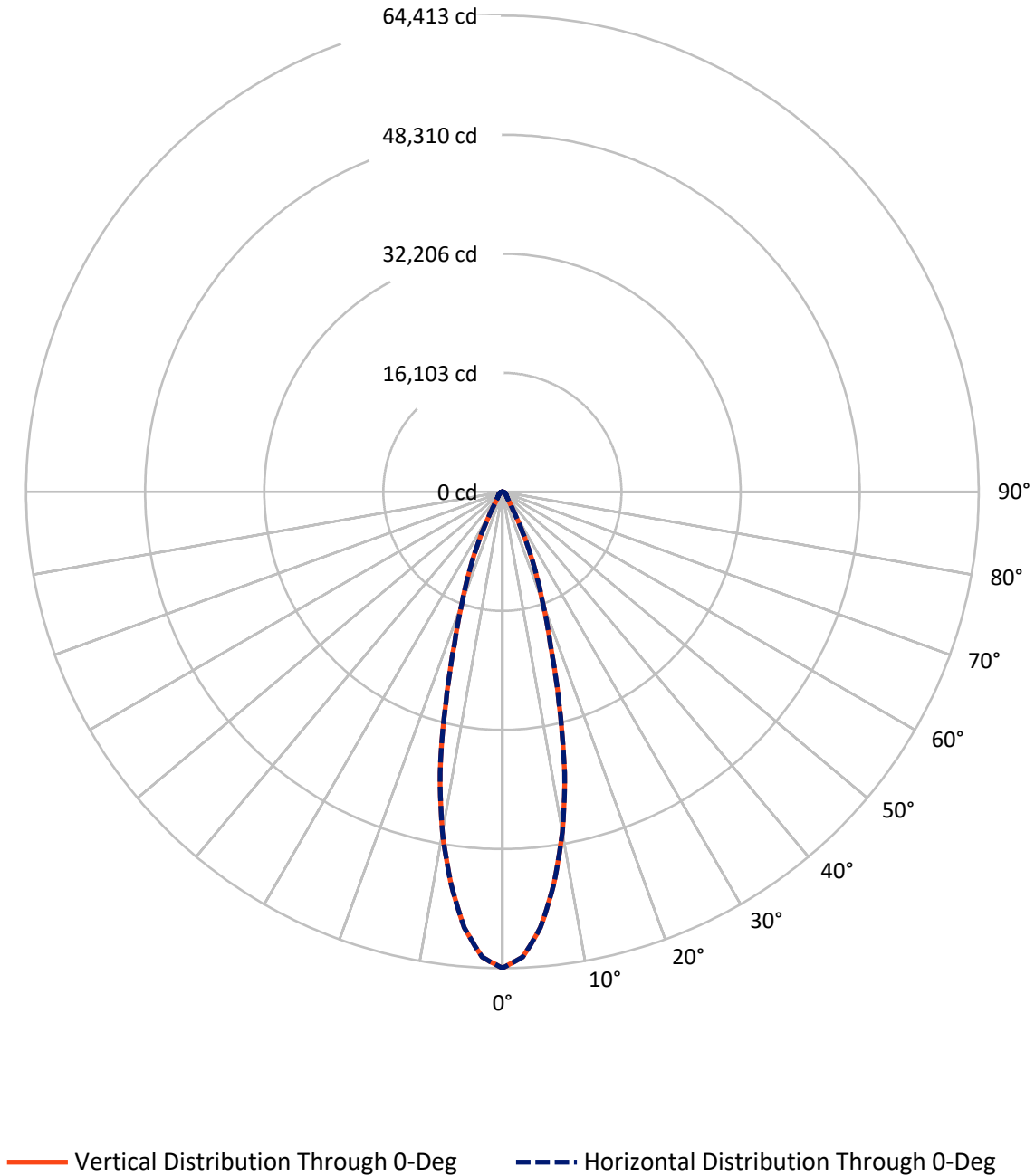
CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

### Lumen Table

90																			
80	0.5	3.4		8.6		13.7		15.8		13.7		8.6		3.4		0.5			
70																			
60	1.5	1.6	3.3	5.4	7.7	9.6	11.1	11.9	11.9	11.1	9.6	7.7	5.4	3.3	1.6	1.5			
50		2.5	5.0	8.1	11.2	13.9	15.9	17.1	17.1	15.9	13.9	11.2	8.1	5.0	2.5				
40	2.6	3.3	6.6	10.4	14.3	18.1	21.6	23.8	23.8	21.6	18.1	14.3	10.4	6.6	3.3	2.6			
30		4.0	7.9	12.3	17.7	25.2	36.8	48.9	48.9	36.8	25.2	17.7	12.3	7.9	4.0				
20	3.5	4.5	8.8	14.2	22.8	47.8	131.0	237.3	237.3	131.0	47.8	22.8	14.2	8.8	4.5	3.5			
10		4.9	9.5	15.9	31.4	123.7	425.2	820.6	820.6	425.2	123.7	31.4	15.9	9.5	4.9				
0	3.8	5.1	9.9	17.0	40.6	217.9	798.3	1574.1	1574.1	798.3	217.9	40.6	17.0	9.9	5.1	3.8			
-10		5.1	9.9	17.0	40.6	217.9	798.3	1574.1	1574.1	798.3	217.9	40.6	17.0	9.9	5.1				
-20	3.5	4.9	9.5	15.9	31.4	123.7	425.2	820.6	820.6	425.2	123.7	31.4	15.9	9.5	4.9	3.5			
-30		4.5	8.8	14.2	22.8	47.8	131.0	237.3	237.3	131.0	47.8	22.8	14.2	8.8	4.5				
-40	2.6	4.0	7.9	12.3	17.7	25.2	36.8	48.9	48.9	36.8	25.2	17.7	12.3	7.9	4.0	2.6			
-50		3.3	6.6	10.4	14.3	18.1	21.6	23.8	23.8	21.6	18.1	14.3	10.4	6.6	3.3				
-60	1.5	2.5	5.0	8.1	11.2	13.9	15.9	17.1	17.1	15.9	13.9	11.2	8.1	5.0	2.5	1.5			
-70		1.6	3.3	5.4	7.7	9.6	11.1	11.9	11.9	11.1	9.6	7.7	5.4	3.3	1.6				
-80																			
-90	0.5	3.4		8.6		13.7		15.8		13.7		8.6		3.4		0.5			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

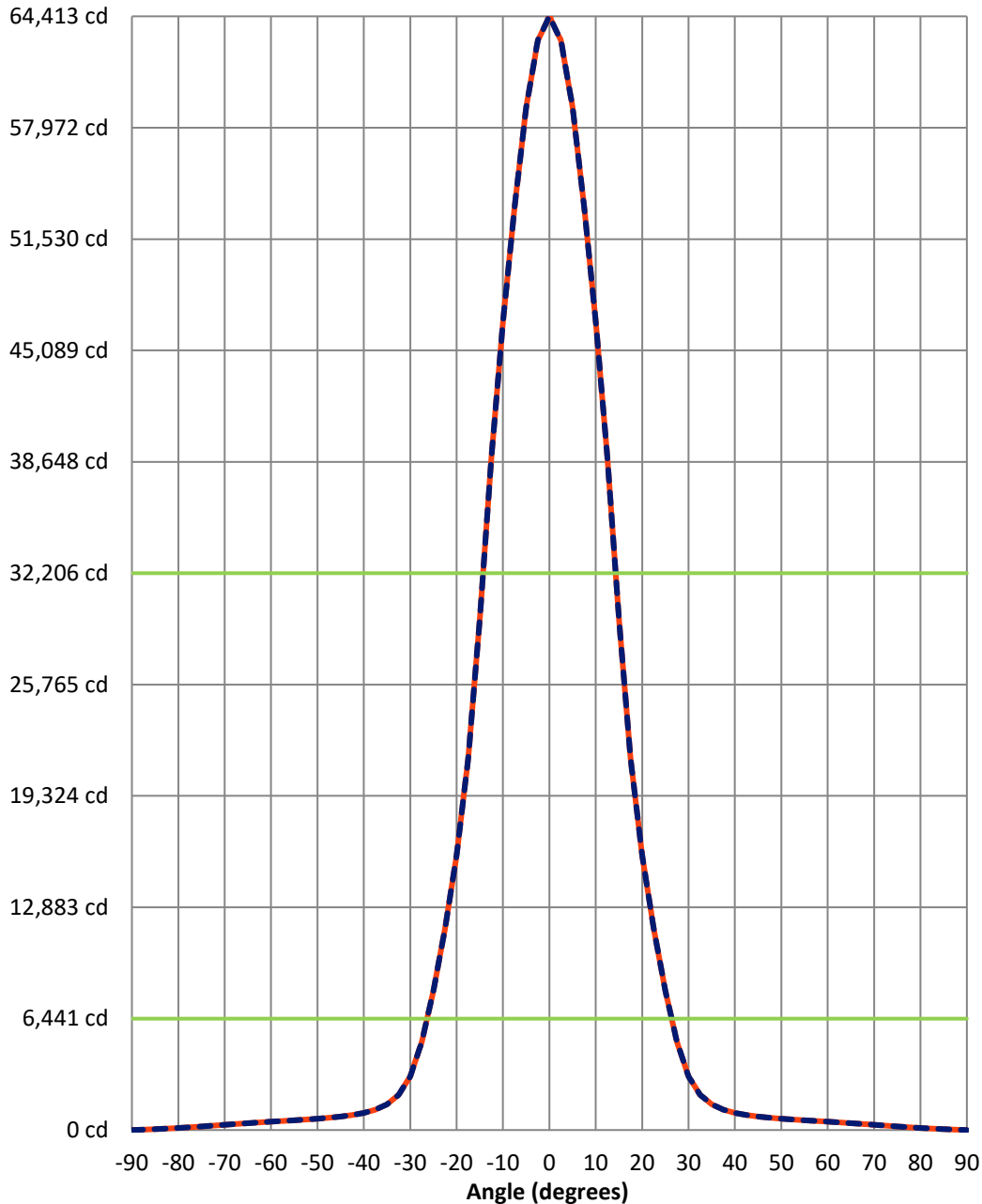
REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

### Luminous Intensity Polar Plot



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.6°  
 V Angle: 28.6°  
 Lumens: 9583.5  
 Efficiency: 48.1%

**Field:**  
 H Angle: 52.7°  
 V Angle: 52.7°  
 Lumens: 16181.1  
 Efficiency: 81.2%

**Spill:**  
 Lumens: 3735.6  
 Efficiency: 18.8%

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

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

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	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.7	9.6
85°	0.0	2.0	4.0	5.9	7.9	9.9	11.8	13.7	15.6	17.4	19.3
82.5°	0.0	3.0	5.9	8.9	11.8	14.8	17.7	20.5	23.5	27.0	30.5
80°	0.0	4.0	7.9	11.8	15.8	19.6	23.7	28.5	33.3	38.1	42.7
77.5°	0.0	4.9	9.9	14.8	19.6	25.0	31.1	37.1	43.1	49.0	55.0
75°	0.0	5.9	11.8	17.7	23.7	31.1	38.4	45.7	52.9	60.4	67.9
72.5°	0.0	6.9	13.7	20.5	28.5	37.1	45.7	54.2	63.2	72.0	80.6
70°	0.0	7.8	15.6	23.5	33.3	43.1	52.9	63.2	73.3	83.4	94.5
67.5°	0.0	8.7	17.4	27.0	38.1	49.0	60.4	72.0	83.4	96.1	108.6
65°	0.0	9.6	19.3	30.5	42.7	55.0	67.9	80.6	94.5	108.6	123.2
62.5°	0.0	10.5	21.0	33.9	47.2	61.1	75.2	89.9	105.5	121.4	139.2
60°	0.0	11.4	22.8	37.3	51.7	67.0	82.3	99.3	116.2	135.5	154.9
57.5°	0.0	12.2	24.9	40.5	56.3	72.8	90.1	108.5	128.2	149.4	171.3
55°	0.0	13.1	27.1	43.7	60.8	78.5	97.7	117.4	140.2	163.2	187.8
52.5°	0.0	13.9	29.1	46.7	65.2	84.1	105.2	127.5	151.9	177.7	203.9
50°	0.0	14.7	31.1	49.7	69.5	90.1	112.4	137.4	163.6	191.7	220.8
47.5°	0.0	15.4	33.0	52.6	73.6	95.9	119.6	147.0	175.6	205.3	237.3
45°	0.0	16.1	34.8	55.6	77.5	101.5	127.5	156.2	187.2	219.6	253.3
42.5°	0.0	16.8	36.6	58.4	81.3	106.9	135.0	165.6	198.4	233.3	268.0
40°	0.0	17.5	38.3	61.1	85.1	112.0	142.2	174.9	209.4	246.5	282.0
37.5°	0.0	18.1	39.9	63.7	89.0	116.8	149.1	183.7	220.5	258.8	295.4
35°	0.0	18.7	41.4	66.1	92.7	121.9	155.6	192.1	231.0	270.2	308.1
32.5°	0.0	19.2	42.8	68.4	96.1	127.0	161.9	200.0	240.8	280.9	320.0
30°	0.0	19.7	44.1	70.5	99.3	131.7	168.2	207.5	250.1	290.9	331.3
27.5°	0.0	20.2	45.3	72.5	102.3	136.1	174.0	215.0	258.6	300.2	341.7
25°	0.0	20.7	46.4	74.3	105.1	140.2	179.4	221.9	266.1	308.8	351.4
22.5°	0.0	21.1	47.5	75.9	107.6	143.9	184.3	228.2	273.1	316.7	359.4
20°	0.0	21.4	48.4	77.4	109.8	147.2	188.7	233.8	279.3	323.8	366.7
17.5°	0.0	21.7	49.2	78.7	111.8	150.2	192.6	238.8	284.8	330.1	373.1
15°	0.0	22.0	49.9	79.9	113.5	152.7	196.0	243.2	289.7	335.6	378.8
12.5°	0.0	22.3	50.5	80.9	115.0	154.9	199.0	247.0	293.8	340.3	383.6
10°	0.0	22.5	51.0	81.7	116.2	156.7	201.3	250.0	297.2	344.1	387.5
7.5°	0.0	22.6	51.4	82.3	117.2	158.1	203.2	252.4	299.8	347.1	390.6
5°	0.0	22.7	51.7	82.7	117.9	159.1	204.5	254.1	301.7	349.3	392.8
2.5°	0.0	22.8	51.8	83.0	118.3	159.7	205.3	255.2	302.8	350.6	394.2
0°	0.0	22.8	51.9	83.1	118.4	159.9	205.6	255.5	303.2	351.0	394.6
-2.5°	0.0	22.8	51.8	83.0	118.3	159.7	205.3	255.2	302.8	350.6	394.2
-5°	0.0	22.7	51.7	82.7	117.9	159.1	204.5	254.1	301.7	349.3	392.8
-7.5°	0.0	22.6	51.4	82.3	117.2	158.1	203.2	252.4	299.8	347.1	390.6
-10°	0.0	22.5	51.0	81.7	116.2	156.7	201.3	250.0	297.2	344.1	387.5
-12.5°	0.0	22.3	50.5	80.9	115.0	154.9	199.0	247.0	293.8	340.3	383.6
-15°	0.0	22.0	49.9	79.9	113.5	152.7	196.0	243.2	289.7	335.6	378.8
-17.5°	0.0	21.7	49.2	78.7	111.8	150.2	192.6	238.8	284.8	330.1	373.1
-20°	0.0	21.4	48.4	77.4	109.8	147.2	188.7	233.8	279.3	323.8	366.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	21.1	47.5	75.9	107.6	143.9	184.3	228.2	273.1	316.7	359.4
-25°	0.0	20.7	46.4	74.3	105.1	140.2	179.4	221.9	266.1	308.8	351.4
-27.5°	0.0	20.2	45.3	72.5	102.3	136.1	174.0	215.0	258.6	300.2	341.7
-30°	0.0	19.7	44.1	70.5	99.3	131.7	168.2	207.5	250.1	290.9	331.3
-32.5°	0.0	19.2	42.8	68.4	96.1	127.0	161.9	200.0	240.8	280.9	320.0
-35°	0.0	18.7	41.4	66.1	92.7	121.9	155.6	192.1	231.0	270.2	308.1
-37.5°	0.0	18.1	39.9	63.7	89.0	116.8	149.1	183.7	220.5	258.8	295.4
-40°	0.0	17.5	38.3	61.1	85.1	112.0	142.2	174.9	209.4	246.5	282.0
-42.5°	0.0	16.8	36.6	58.4	81.3	106.9	135.0	165.6	198.4	233.3	268.0
-45°	0.0	16.1	34.8	55.6	77.5	101.5	127.5	156.2	187.2	219.6	253.3
-47.5°	0.0	15.4	33.0	52.6	73.6	95.9	119.6	147.0	175.6	205.3	237.3
-50°	0.0	14.7	31.1	49.7	69.5	90.1	112.4	137.4	163.6	191.7	220.8
-52.5°	0.0	13.9	29.1	46.7	65.2	84.1	105.2	127.5	151.9	177.7	203.9
-55°	0.0	13.1	27.1	43.7	60.8	78.5	97.7	117.4	140.2	163.2	187.8
-57.5°	0.0	12.2	24.9	40.5	56.3	72.8	90.1	108.5	128.2	149.4	171.3
-60°	0.0	11.4	22.8	37.3	51.7	67.0	82.3	99.3	116.2	135.5	154.9
-62.5°	0.0	10.5	21.0	33.9	47.2	61.1	75.2	89.9	105.5	121.4	139.2
-65°	0.0	9.6	19.3	30.5	42.7	55.0	67.9	80.6	94.5	108.6	123.2
-67.5°	0.0	8.7	17.4	27.0	38.1	49.0	60.4	72.0	83.4	96.1	108.6
-70°	0.0	7.8	15.6	23.5	33.3	43.1	52.9	63.2	73.3	83.4	94.5
-72.5°	0.0	6.9	13.7	20.5	28.5	37.1	45.7	54.2	63.2	72.0	80.6
-75°	0.0	5.9	11.8	17.7	23.7	31.1	38.4	45.7	52.9	60.4	67.9
-77.5°	0.0	4.9	9.9	14.8	19.6	25.0	31.1	37.1	43.1	49.0	55.0
-80°	0.0	4.0	7.9	11.8	15.8	19.6	23.7	28.5	33.3	38.1	42.7
-82.5°	0.0	3.0	5.9	8.9	11.8	14.8	17.7	20.5	23.5	27.0	30.5
-85°	0.0	2.0	4.0	5.9	7.9	9.9	11.8	13.7	15.6	17.4	19.3
-87.5°	0.0	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.7	9.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**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°	10.5	11.4	12.2	13.1	13.9	14.7	15.4	16.1	16.8	17.5	18.1
85°	21.0	22.8	24.9	27.1	29.1	31.1	33.0	34.8	36.6	38.3	39.9
82.5°	33.9	37.3	40.5	43.7	46.7	49.7	52.6	55.6	58.4	61.1	63.7
80°	47.2	51.7	56.3	60.8	65.2	69.5	73.6	77.5	81.3	85.1	89.0
77.5°	61.1	67.0	72.8	78.5	84.1	90.1	95.9	101.5	106.9	112.0	116.8
75°	75.2	82.3	90.1	97.7	105.2	112.4	119.6	127.5	135.0	142.2	149.1
72.5°	89.9	99.3	108.5	117.4	127.5	137.4	147.0	156.2	165.6	174.9	183.7
70°	105.5	116.2	128.2	140.2	151.9	163.6	175.6	187.2	198.4	209.4	220.5
67.5°	121.4	135.5	149.4	163.2	177.7	191.7	205.3	219.6	233.3	246.5	258.8
65°	139.2	154.9	171.3	187.8	203.9	220.8	237.3	253.3	268.0	282.0	295.4
62.5°	156.8	175.4	194.0	212.7	232.1	250.8	268.4	285.2	301.4	316.9	331.7
60°	175.4	196.0	217.3	238.8	259.7	279.3	298.3	316.7	334.4	351.4	366.2
57.5°	194.0	217.3	241.1	264.1	285.9	307.1	327.8	347.7	365.6	382.5	398.8
55°	212.7	238.8	264.1	288.1	311.5	334.5	356.2	375.9	394.9	414.1	432.4
52.5°	232.1	259.7	285.9	311.5	336.7	360.3	382.1	403.7	425.1	445.7	465.5
50°	250.8	279.3	307.1	334.5	360.3	384.2	408.1	431.8	454.7	476.8	495.9
47.5°	268.4	298.3	327.8	356.2	382.1	408.1	434.0	459.2	483.7	503.5	522.1
45°	285.2	316.7	347.7	375.9	403.7	431.8	459.2	486.0	507.3	528.1	549.0
42.5°	301.4	334.4	365.6	394.9	425.1	454.7	483.7	507.3	530.1	553.1	577.4
40°	316.9	351.4	382.5	414.1	445.7	476.8	503.5	528.1	553.1	579.8	607.2
37.5°	331.7	366.2	398.8	432.4	465.5	495.9	522.1	549.0	577.4	607.2	636.0
35°	345.7	380.3	414.9	449.9	484.4	512.5	540.8	570.0	602.2	633.5	666.1
32.5°	358.3	393.6	430.2	466.5	499.3	528.6	558.6	592.2	625.8	659.7	699.0
30°	369.7	406.6	444.5	482.1	513.2	544.3	577.6	613.3	648.4	689.2	734.9
27.5°	380.3	418.9	457.9	494.7	526.3	559.0	596.0	633.1	673.1	718.6	771.3
25°	390.0	430.2	470.3	505.8	538.9	574.3	613.2	651.6	697.5	750.6	813.6
22.5°	399.2	440.5	481.7	515.9	550.6	589.0	629.0	671.9	722.2	780.6	855.1
20°	407.7	449.9	490.9	525.2	561.1	602.3	643.4	691.0	747.4	816.0	902.0
17.5°	415.2	458.2	498.4	533.9	571.8	614.2	656.8	708.2	770.0	847.9	948.5
15°	421.8	465.5	504.9	541.4	581.4	624.6	670.7	726.2	793.5	879.0	990.5
12.5°	427.4	471.7	510.5	547.9	589.6	633.5	682.6	742.0	815.9	911.8	1046.4
10°	432.0	476.8	515.1	553.2	596.3	640.9	692.5	755.1	834.5	939.1	1092.9
7.5°	435.6	480.8	518.7	557.4	601.6	646.7	700.3	765.4	849.1	960.6	1129.7
5°	438.2	483.7	521.3	560.4	605.4	650.9	705.8	772.8	859.6	976.1	1156.2
2.5°	439.8	485.4	522.9	562.2	607.7	653.4	709.2	777.3	866.0	985.5	1172.2
0°	440.3	486.0	523.4	562.8	608.5	654.2	710.3	778.8	868.1	988.6	1177.6
-2.5°	439.8	485.4	522.9	562.2	607.7	653.4	709.2	777.3	866.0	985.5	1172.2
-5°	438.2	483.7	521.3	560.4	605.4	650.9	705.8	772.8	859.6	976.1	1156.2
-7.5°	435.6	480.8	518.7	557.4	601.6	646.7	700.3	765.4	849.1	960.6	1129.7
-10°	432.0	476.8	515.1	553.2	596.3	640.9	692.5	755.1	834.5	939.1	1092.9
-12.5°	427.4	471.7	510.5	547.9	589.6	633.5	682.6	742.0	815.9	911.8	1046.4
-15°	421.8	465.5	504.9	541.4	581.4	624.6	670.7	726.2	793.5	879.0	990.5
-17.5°	415.2	458.2	498.4	533.9	571.8	614.2	656.8	708.2	770.0	847.9	948.5
-20°	407.7	449.9	490.9	525.2	561.1	602.3	643.4	691.0	747.4	816.0	902.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	399.2	440.5	481.7	515.9	550.6	589.0	629.0	671.9	722.2	780.6	855.1
-25°	390.0	430.2	470.3	505.8	538.9	574.3	613.2	651.6	697.5	750.6	813.6
-27.5°	380.3	418.9	457.9	494.7	526.3	559.0	596.0	633.1	673.1	718.6	771.3
-30°	369.7	406.6	444.5	482.1	513.2	544.3	577.6	613.3	648.4	689.2	734.9
-32.5°	358.3	393.6	430.2	466.5	499.3	528.6	558.6	592.2	625.8	659.7	699.0
-35°	345.7	380.3	414.9	449.9	484.4	512.5	540.8	570.0	602.2	633.5	666.1
-37.5°	331.7	366.2	398.8	432.4	465.5	495.9	522.1	549.0	577.4	607.2	636.0
-40°	316.9	351.4	382.5	414.1	445.7	476.8	503.5	528.1	553.1	579.8	607.2
-42.5°	301.4	334.4	365.6	394.9	425.1	454.7	483.7	507.3	530.1	553.1	577.4
-45°	285.2	316.7	347.7	375.9	403.7	431.8	459.2	486.0	507.3	528.1	549.0
-47.5°	268.4	298.3	327.8	356.2	382.1	408.1	434.0	459.2	483.7	503.5	522.1
-50°	250.8	279.3	307.1	334.5	360.3	384.2	408.1	431.8	454.7	476.8	495.9
-52.5°	232.1	259.7	285.9	311.5	336.7	360.3	382.1	403.7	425.1	445.7	465.5
-55°	212.7	238.8	264.1	288.1	311.5	334.5	356.2	375.9	394.9	414.1	432.4
-57.5°	194.0	217.3	241.1	264.1	285.9	307.1	327.8	347.7	365.6	382.5	398.8
-60°	175.4	196.0	217.3	238.8	259.7	279.3	298.3	316.7	334.4	351.4	366.2
-62.5°	156.8	175.4	194.0	212.7	232.1	250.8	268.4	285.2	301.4	316.9	331.7
-65°	139.2	154.9	171.3	187.8	203.9	220.8	237.3	253.3	268.0	282.0	295.4
-67.5°	121.4	135.5	149.4	163.2	177.7	191.7	205.3	219.6	233.3	246.5	258.8
-70°	105.5	116.2	128.2	140.2	151.9	163.6	175.6	187.2	198.4	209.4	220.5
-72.5°	89.9	99.3	108.5	117.4	127.5	137.4	147.0	156.2	165.6	174.9	183.7
-75°	75.2	82.3	90.1	97.7	105.2	112.4	119.6	127.5	135.0	142.2	149.1
-77.5°	61.1	67.0	72.8	78.5	84.1	90.1	95.9	101.5	106.9	112.0	116.8
-80°	47.2	51.7	56.3	60.8	65.2	69.5	73.6	77.5	81.3	85.1	89.0
-82.5°	33.9	37.3	40.5	43.7	46.7	49.7	52.6	55.6	58.4	61.1	63.7
-85°	21.0	22.8	24.9	27.1	29.1	31.1	33.0	34.8	36.6	38.3	39.9
-87.5°	10.5	11.4	12.2	13.1	13.9	14.7	15.4	16.1	16.8	17.5	18.1
-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: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**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°	18.7	19.2	19.7	20.2	20.7	21.1	21.4	21.7	22.0	22.3	22.5
85°	41.4	42.8	44.1	45.3	46.4	47.5	48.4	49.2	49.9	50.5	51.0
82.5°	66.1	68.4	70.5	72.5	74.3	75.9	77.4	78.7	79.9	80.9	81.7
80°	92.7	96.1	99.3	102.3	105.1	107.6	109.8	111.8	113.5	115.0	116.2
77.5°	121.9	127.0	131.7	136.1	140.2	143.9	147.2	150.2	152.7	154.9	156.7
75°	155.6	161.9	168.2	174.0	179.4	184.3	188.7	192.6	196.0	199.0	201.3
72.5°	192.1	200.0	207.5	215.0	221.9	228.2	233.8	238.8	243.2	247.0	250.0
70°	231.0	240.8	250.1	258.6	266.1	273.1	279.3	284.8	289.7	293.8	297.2
67.5°	270.2	280.9	290.9	300.2	308.8	316.7	323.8	330.1	335.6	340.3	344.1
65°	308.1	320.0	331.3	341.7	351.4	359.4	366.7	373.1	378.8	383.6	387.5
62.5°	345.7	358.3	369.7	380.3	390.0	399.2	407.7	415.2	421.8	427.4	432.0
60°	380.3	393.6	406.6	418.9	430.2	440.5	449.9	458.2	465.5	471.7	476.8
57.5°	414.9	430.2	444.5	457.9	470.3	481.7	490.9	498.4	504.9	510.5	515.1
55°	449.9	466.5	482.1	494.7	505.8	515.9	525.2	533.9	541.4	547.9	553.2
52.5°	484.4	499.3	513.2	526.3	538.9	550.6	561.1	571.8	581.4	589.6	596.3
50°	512.5	528.6	544.3	559.0	574.3	589.0	602.3	614.2	624.6	633.5	640.9
47.5°	540.8	558.6	577.6	596.0	613.2	629.0	643.4	656.8	670.7	682.6	692.5
45°	570.0	592.2	613.3	633.1	651.6	671.9	691.0	708.2	726.2	742.0	755.1
42.5°	602.2	625.8	648.4	673.1	697.5	722.2	747.4	770.0	793.5	815.9	834.5
40°	633.5	659.7	689.2	718.6	750.6	780.6	816.0	847.9	879.0	911.8	939.1
37.5°	666.1	699.0	734.9	771.3	813.6	855.1	902.0	948.5	990.5	1046.4	1092.9
35°	702.3	743.1	785.5	836.0	889.1	949.2	1013.7	1092.5	1162.6	1252.5	1335.5
32.5°	743.1	791.0	847.4	912.7	981.4	1078.3	1171.7	1307.4	1431.8	1581.0	1742.0
30°	785.5	847.4	920.7	1003.0	1117.9	1256.8	1421.3	1637.7	1877.6	2133.4	2474.3
27.5°	836.0	912.7	1003.0	1131.2	1302.0	1494.6	1808.9	2154.5	2658.7	3100.9	3800.6
25°	889.1	981.4	1117.9	1302.0	1536.5	1896.1	2417.4	3021.8	3979.3	4886.9	5922.8
22.5°	949.2	1078.3	1256.8	1494.6	1896.1	2506.3	3299.6	4525.1	5901.8	7370.6	8750.8
20°	1013.7	1171.7	1421.3	1808.9	2417.4	3299.6	4710.2	6476.9	8323.0	10283.6	12038.3
17.5°	1092.5	1307.4	1637.7	2154.5	3021.8	4525.1	6476.9	8697.7	11078.3	13529.4	15762.4
15°	1162.6	1431.8	1877.6	2658.7	3979.3	5901.8	8323.0	11078.3	14040.8	17166.1	20463.4
12.5°	1252.5	1581.0	2133.4	3100.9	4886.9	7370.6	10283.6	13529.4	17166.1	21264.2	26478.7
10°	1335.5	1742.0	2474.3	3800.6	5922.8	8750.8	12038.3	15762.4	20463.4	26478.7	32902.6
7.5°	1401.2	1869.8	2745.6	4361.1	6837.9	9986.6	13674.7	18153.9	23981.9	31259.6	38964.1
5°	1448.7	1962.4	2942.9	4770.2	7508.7	10897.8	14890.5	19981.1	27010.0	35356.2	43074.0
2.5°	1477.5	2018.6	3062.7	5019.2	7918.4	11456.7	15640.7	21117.9	28916.6	37983.4	45789.5
0°	1487.1	2037.4	3102.9	5102.9	8056.3	11645.2	15894.5	21504.2	29568.8	38892.0	46746.8
-2.5°	1477.5	2018.6	3062.7	5019.2	7918.4	11456.7	15640.7	21117.9	28916.6	37983.4	45789.5
-5°	1448.7	1962.4	2942.9	4770.2	7508.7	10897.8	14890.5	19981.1	27010.0	35356.2	43074.0
-7.5°	1401.2	1869.8	2745.6	4361.1	6837.9	9986.6	13674.7	18153.9	23981.9	31259.6	38964.1
-10°	1335.5	1742.0	2474.3	3800.6	5922.8	8750.8	12038.3	15762.4	20463.4	26478.7	32902.6
-12.5°	1252.5	1581.0	2133.4	3100.9	4886.9	7370.6	10283.6	13529.4	17166.1	21264.2	26478.7
-15°	1162.6	1431.8	1877.6	2658.7	3979.3	5901.8	8323.0	11078.3	14040.8	17166.1	20463.4
-17.5°	1092.5	1307.4	1637.7	2154.5	3021.8	4525.1	6476.9	8697.7	11078.3	13529.4	15762.4
-20°	1013.7	1171.7	1421.3	1808.9	2417.4	3299.6	4710.2	6476.9	8323.0	10283.6	12038.3

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	949.2	1078.3	1256.8	1494.6	1896.1	2506.3	3299.6	4525.1	5901.8	7370.6	8750.8
-25°	889.1	981.4	1117.9	1302.0	1536.5	1896.1	2417.4	3021.8	3979.3	4886.9	5922.8
-27.5°	836.0	912.7	1003.0	1131.2	1302.0	1494.6	1808.9	2154.5	2658.7	3100.9	3800.6
-30°	785.5	847.4	920.7	1003.0	1117.9	1256.8	1421.3	1637.7	1877.6	2133.4	2474.3
-32.5°	743.1	791.0	847.4	912.7	981.4	1078.3	1171.7	1307.4	1431.8	1581.0	1742.0
-35°	702.3	743.1	785.5	836.0	889.1	949.2	1013.7	1092.5	1162.6	1252.5	1335.5
-37.5°	666.1	699.0	734.9	771.3	813.6	855.1	902.0	948.5	990.5	1046.4	1092.9
-40°	633.5	659.7	689.2	718.6	750.6	780.6	816.0	847.9	879.0	911.8	939.1
-42.5°	602.2	625.8	648.4	673.1	697.5	722.2	747.4	770.0	793.5	815.9	834.5
-45°	570.0	592.2	613.3	633.1	651.6	671.9	691.0	708.2	726.2	742.0	755.1
-47.5°	540.8	558.6	577.6	596.0	613.2	629.0	643.4	656.8	670.7	682.6	692.5
-50°	512.5	528.6	544.3	559.0	574.3	589.0	602.3	614.2	624.6	633.5	640.9
-52.5°	484.4	499.3	513.2	526.3	538.9	550.6	561.1	571.8	581.4	589.6	596.3
-55°	449.9	466.5	482.1	494.7	505.8	515.9	525.2	533.9	541.4	547.9	553.2
-57.5°	414.9	430.2	444.5	457.9	470.3	481.7	490.9	498.4	504.9	510.5	515.1
-60°	380.3	393.6	406.6	418.9	430.2	440.5	449.9	458.2	465.5	471.7	476.8
-62.5°	345.7	358.3	369.7	380.3	390.0	399.2	407.7	415.2	421.8	427.4	432.0
-65°	308.1	320.0	331.3	341.7	351.4	359.4	366.7	373.1	378.8	383.6	387.5
-67.5°	270.2	280.9	290.9	300.2	308.8	316.7	323.8	330.1	335.6	340.3	344.1
-70°	231.0	240.8	250.1	258.6	266.1	273.1	279.3	284.8	289.7	293.8	297.2
-72.5°	192.1	200.0	207.5	215.0	221.9	228.2	233.8	238.8	243.2	247.0	250.0
-75°	155.6	161.9	168.2	174.0	179.4	184.3	188.7	192.6	196.0	199.0	201.3
-77.5°	121.9	127.0	131.7	136.1	140.2	143.9	147.2	150.2	152.7	154.9	156.7
-80°	92.7	96.1	99.3	102.3	105.1	107.6	109.8	111.8	113.5	115.0	116.2
-82.5°	66.1	68.4	70.5	72.5	74.3	75.9	77.4	78.7	79.9	80.9	81.7
-85°	41.4	42.8	44.1	45.3	46.4	47.5	48.4	49.2	49.9	50.5	51.0
-87.5°	18.7	19.2	19.7	20.2	20.7	21.1	21.4	21.7	22.0	22.3	22.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**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°	22.6	22.7	22.8	22.8	22.8	22.7	22.6	22.5	22.3	22.0	21.7
85°	51.4	51.7	51.8	51.9	51.8	51.7	51.4	51.0	50.5	49.9	49.2
82.5°	82.3	82.7	83.0	83.1	83.0	82.7	82.3	81.7	80.9	79.9	78.7
80°	117.2	117.9	118.3	118.4	118.3	117.9	117.2	116.2	115.0	113.5	111.8
77.5°	158.1	159.1	159.7	159.9	159.7	159.1	158.1	156.7	154.9	152.7	150.2
75°	203.2	204.5	205.3	205.6	205.3	204.5	203.2	201.3	199.0	196.0	192.6
72.5°	252.4	254.1	255.2	255.5	255.2	254.1	252.4	250.0	247.0	243.2	238.8
70°	299.8	301.7	302.8	303.2	302.8	301.7	299.8	297.2	293.8	289.7	284.8
67.5°	347.1	349.3	350.6	351.0	350.6	349.3	347.1	344.1	340.3	335.6	330.1
65°	390.6	392.8	394.2	394.6	394.2	392.8	390.6	387.5	383.6	378.8	373.1
62.5°	435.6	438.2	439.8	440.3	439.8	438.2	435.6	432.0	427.4	421.8	415.2
60°	480.8	483.7	485.4	486.0	485.4	483.7	480.8	476.8	471.7	465.5	458.2
57.5°	518.7	521.3	522.9	523.4	522.9	521.3	518.7	515.1	510.5	504.9	498.4
55°	557.4	560.4	562.2	562.8	562.2	560.4	557.4	553.2	547.9	541.4	533.9
52.5°	601.6	605.4	607.7	608.5	607.7	605.4	601.6	596.3	589.6	581.4	571.8
50°	646.7	650.9	653.4	654.2	653.4	650.9	646.7	640.9	633.5	624.6	614.2
47.5°	700.3	705.8	709.2	710.3	709.2	705.8	700.3	692.5	682.6	670.7	656.8
45°	765.4	772.8	777.3	778.8	777.3	772.8	765.4	755.1	742.0	726.2	708.2
42.5°	849.1	859.6	866.0	868.1	866.0	859.6	849.1	834.5	815.9	793.5	770.0
40°	960.6	976.1	985.5	988.6	985.5	976.1	960.6	939.1	911.8	879.0	847.9
37.5°	1129.7	1156.2	1172.2	1177.6	1172.2	1156.2	1129.7	1092.9	1046.4	990.5	948.5
35°	1401.2	1448.7	1477.5	1487.1	1477.5	1448.7	1401.2	1335.5	1252.5	1162.6	1092.5
32.5°	1869.8	1962.4	2018.6	2037.4	2018.6	1962.4	1869.8	1742.0	1581.0	1431.8	1307.4
30°	2745.6	2942.9	3062.7	3102.9	3062.7	2942.9	2745.6	2474.3	2133.4	1877.6	1637.7
27.5°	4361.1	4770.2	5019.2	5102.9	5019.2	4770.2	4361.1	3800.6	3100.9	2658.7	2154.5
25°	6837.9	7508.7	7918.4	8056.3	7918.4	7508.7	6837.9	5922.8	4886.9	3979.3	3021.8
22.5°	9986.6	10897.8	11456.7	11645.2	11456.7	10897.8	9986.6	8750.8	7370.6	5901.8	4525.1
20°	13674.7	14890.5	15640.7	15894.5	15640.7	14890.5	13674.7	12038.3	10283.6	8323.0	6476.9
17.5°	18153.9	19981.1	21117.9	21504.2	21117.9	19981.1	18153.9	15762.4	13529.4	11078.3	8697.7
15°	23981.9	27010.0	28916.6	29568.8	28916.6	27010.0	23981.9	20463.4	17166.1	14040.8	11078.3
12.5°	31259.6	35356.2	37983.4	38892.0	37983.4	35356.2	31259.6	26478.7	21264.2	17166.1	13529.4
10°	38964.1	43074.0	45789.5	46746.8	45789.5	43074.0	38964.1	32902.6	26478.7	20463.4	15762.4
7.5°	44888.6	49385.3	52311.7	53382.5	52311.7	49385.3	44888.6	38964.1	31259.6	23981.9	18153.9
5°	49385.3	54381.7	57788.6	59145.9	57788.6	54381.7	49385.3	43074.0	35356.2	27010.0	19981.1
2.5°	52311.7	57788.6	61402.4	62996.5	61402.4	57788.6	52311.7	45789.5	37983.4	28916.6	21117.9
0°	53382.5	59145.9	62996.5	64412.9	62996.5	59145.9	53382.5	46746.8	38892.0	29568.8	21504.2
-2.5°	52311.7	57788.6	61402.4	62996.5	61402.4	57788.6	52311.7	45789.5	37983.4	28916.6	21117.9
-5°	49385.3	54381.7	57788.6	59145.9	57788.6	54381.7	49385.3	43074.0	35356.2	27010.0	19981.1
-7.5°	44888.6	49385.3	52311.7	53382.5	52311.7	49385.3	44888.6	38964.1	31259.6	23981.9	18153.9
-10°	38964.1	43074.0	45789.5	46746.8	45789.5	43074.0	38964.1	32902.6	26478.7	20463.4	15762.4
-12.5°	31259.6	35356.2	37983.4	38892.0	37983.4	35356.2	31259.6	26478.7	21264.2	17166.1	13529.4
-15°	23981.9	27010.0	28916.6	29568.8	28916.6	27010.0	23981.9	20463.4	17166.1	14040.8	11078.3
-17.5°	18153.9	19981.1	21117.9	21504.2	21117.9	19981.1	18153.9	15762.4	13529.4	11078.3	8697.7
-20°	13674.7	14890.5	15640.7	15894.5	15640.7	14890.5	13674.7	12038.3	10283.6	8323.0	6476.9



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9986.6	10897.8	11456.7	11645.2	11456.7	10897.8	9986.6	8750.8	7370.6	5901.8	4525.1
-25°	6837.9	7508.7	7918.4	8056.3	7918.4	7508.7	6837.9	5922.8	4886.9	3979.3	3021.8
-27.5°	4361.1	4770.2	5019.2	5102.9	5019.2	4770.2	4361.1	3800.6	3100.9	2658.7	2154.5
-30°	2745.6	2942.9	3062.7	3102.9	3062.7	2942.9	2745.6	2474.3	2133.4	1877.6	1637.7
-32.5°	1869.8	1962.4	2018.6	2037.4	2018.6	1962.4	1869.8	1742.0	1581.0	1431.8	1307.4
-35°	1401.2	1448.7	1477.5	1487.1	1477.5	1448.7	1401.2	1335.5	1252.5	1162.6	1092.5
-37.5°	1129.7	1156.2	1172.2	1177.6	1172.2	1156.2	1129.7	1092.9	1046.4	990.5	948.5
-40°	960.6	976.1	985.5	988.6	985.5	976.1	960.6	939.1	911.8	879.0	847.9
-42.5°	849.1	859.6	866.0	868.1	866.0	859.6	849.1	834.5	815.9	793.5	770.0
-45°	765.4	772.8	777.3	778.8	777.3	772.8	765.4	755.1	742.0	726.2	708.2
-47.5°	700.3	705.8	709.2	710.3	709.2	705.8	700.3	692.5	682.6	670.7	656.8
-50°	646.7	650.9	653.4	654.2	653.4	650.9	646.7	640.9	633.5	624.6	614.2
-52.5°	601.6	605.4	607.7	608.5	607.7	605.4	601.6	596.3	589.6	581.4	571.8
-55°	557.4	560.4	562.2	562.8	562.2	560.4	557.4	553.2	547.9	541.4	533.9
-57.5°	518.7	521.3	522.9	523.4	522.9	521.3	518.7	515.1	510.5	504.9	498.4
-60°	480.8	483.7	485.4	486.0	485.4	483.7	480.8	476.8	471.7	465.5	458.2
-62.5°	435.6	438.2	439.8	440.3	439.8	438.2	435.6	432.0	427.4	421.8	415.2
-65°	390.6	392.8	394.2	394.6	394.2	392.8	390.6	387.5	383.6	378.8	373.1
-67.5°	347.1	349.3	350.6	351.0	350.6	349.3	347.1	344.1	340.3	335.6	330.1
-70°	299.8	301.7	302.8	303.2	302.8	301.7	299.8	297.2	293.8	289.7	284.8
-72.5°	252.4	254.1	255.2	255.5	255.2	254.1	252.4	250.0	247.0	243.2	238.8
-75°	203.2	204.5	205.3	205.6	205.3	204.5	203.2	201.3	199.0	196.0	192.6
-77.5°	158.1	159.1	159.7	159.9	159.7	159.1	158.1	156.7	154.9	152.7	150.2
-80°	117.2	117.9	118.3	118.4	118.3	117.9	117.2	116.2	115.0	113.5	111.8
-82.5°	82.3	82.7	83.0	83.1	83.0	82.7	82.3	81.7	80.9	79.9	78.7
-85°	51.4	51.7	51.8	51.9	51.8	51.7	51.4	51.0	50.5	49.9	49.2
-87.5°	22.6	22.7	22.8	22.8	22.8	22.7	22.6	22.5	22.3	22.0	21.7
-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: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**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°	21.4	21.1	20.7	20.2	19.7	19.2	18.7	18.1	17.5	16.8	16.1
85°	48.4	47.5	46.4	45.3	44.1	42.8	41.4	39.9	38.3	36.6	34.8
82.5°	77.4	75.9	74.3	72.5	70.5	68.4	66.1	63.7	61.1	58.4	55.6
80°	109.8	107.6	105.1	102.3	99.3	96.1	92.7	89.0	85.1	81.3	77.5
77.5°	147.2	143.9	140.2	136.1	131.7	127.0	121.9	116.8	112.0	106.9	101.5
75°	188.7	184.3	179.4	174.0	168.2	161.9	155.6	149.1	142.2	135.0	127.5
72.5°	233.8	228.2	221.9	215.0	207.5	200.0	192.1	183.7	174.9	165.6	156.2
70°	279.3	273.1	266.1	258.6	250.1	240.8	231.0	220.5	209.4	198.4	187.2
67.5°	323.8	316.7	308.8	300.2	290.9	280.9	270.2	258.8	246.5	233.3	219.6
65°	366.7	359.4	351.4	341.7	331.3	320.0	308.1	295.4	282.0	268.0	253.3
62.5°	407.7	399.2	390.0	380.3	369.7	358.3	345.7	331.7	316.9	301.4	285.2
60°	449.9	440.5	430.2	418.9	406.6	393.6	380.3	366.2	351.4	334.4	316.7
57.5°	490.9	481.7	470.3	457.9	444.5	430.2	414.9	398.8	382.5	365.6	347.7
55°	525.2	515.9	505.8	494.7	482.1	466.5	449.9	432.4	414.1	394.9	375.9
52.5°	561.1	550.6	538.9	526.3	513.2	499.3	484.4	465.5	445.7	425.1	403.7
50°	602.3	589.0	574.3	559.0	544.3	528.6	512.5	495.9	476.8	454.7	431.8
47.5°	643.4	629.0	613.2	596.0	577.6	558.6	540.8	522.1	503.5	483.7	459.2
45°	691.0	671.9	651.6	633.1	613.3	592.2	570.0	549.0	528.1	507.3	486.0
42.5°	747.4	722.2	697.5	673.1	648.4	625.8	602.2	577.4	553.1	530.1	507.3
40°	816.0	780.6	750.6	718.6	689.2	659.7	633.5	607.2	579.8	553.1	528.1
37.5°	902.0	855.1	813.6	771.3	734.9	699.0	666.1	636.0	607.2	577.4	549.0
35°	1013.7	949.2	889.1	836.0	785.5	743.1	702.3	666.1	633.5	602.2	570.0
32.5°	1171.7	1078.3	981.4	912.7	847.4	791.0	743.1	699.0	659.7	625.8	592.2
30°	1421.3	1256.8	1117.9	1003.0	920.7	847.4	785.5	734.9	689.2	648.4	613.3
27.5°	1808.9	1494.6	1302.0	1131.2	1003.0	912.7	836.0	771.3	718.6	673.1	633.1
25°	2417.4	1896.1	1536.5	1302.0	1117.9	981.4	889.1	813.6	750.6	697.5	651.6
22.5°	3299.6	2506.3	1896.1	1494.6	1256.8	1078.3	949.2	855.1	780.6	722.2	671.9
20°	4710.2	3299.6	2417.4	1808.9	1421.3	1171.7	1013.7	902.0	816.0	747.4	691.0
17.5°	6476.9	4525.1	3021.8	2154.5	1637.7	1307.4	1092.5	948.5	847.9	770.0	708.2
15°	8323.0	5901.8	3979.3	2658.7	1877.6	1431.8	1162.6	990.5	879.0	793.5	726.2
12.5°	10283.6	7370.6	4886.9	3100.9	2133.4	1581.0	1252.5	1046.4	911.8	815.9	742.0
10°	12038.3	8750.8	5922.8	3800.6	2474.3	1742.0	1335.5	1092.9	939.1	834.5	755.1
7.5°	13674.7	9986.6	6837.9	4361.1	2745.6	1869.8	1401.2	1129.7	960.6	849.1	765.4
5°	14890.5	10897.8	7508.7	4770.2	2942.9	1962.4	1448.7	1156.2	976.1	859.6	772.8
2.5°	15640.7	11456.7	7918.4	5019.2	3062.7	2018.6	1477.5	1172.2	985.5	866.0	777.3
0°	15894.5	11645.2	8056.3	5102.9	3102.9	2037.4	1487.1	1177.6	988.6	868.1	778.8
-2.5°	15640.7	11456.7	7918.4	5019.2	3062.7	2018.6	1477.5	1172.2	985.5	866.0	777.3
-5°	14890.5	10897.8	7508.7	4770.2	2942.9	1962.4	1448.7	1156.2	976.1	859.6	772.8
-7.5°	13674.7	9986.6	6837.9	4361.1	2745.6	1869.8	1401.2	1129.7	960.6	849.1	765.4
-10°	12038.3	8750.8	5922.8	3800.6	2474.3	1742.0	1335.5	1092.9	939.1	834.5	755.1
-12.5°	10283.6	7370.6	4886.9	3100.9	2133.4	1581.0	1252.5	1046.4	911.8	815.9	742.0
-15°	8323.0	5901.8	3979.3	2658.7	1877.6	1431.8	1162.6	990.5	879.0	793.5	726.2
-17.5°	6476.9	4525.1	3021.8	2154.5	1637.7	1307.4	1092.5	948.5	847.9	770.0	708.2
-20°	4710.2	3299.6	2417.4	1808.9	1421.3	1171.7	1013.7	902.0	816.0	747.4	691.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3299.6	2506.3	1896.1	1494.6	1256.8	1078.3	949.2	855.1	780.6	722.2	671.9
-25°	2417.4	1896.1	1536.5	1302.0	1117.9	981.4	889.1	813.6	750.6	697.5	651.6
-27.5°	1808.9	1494.6	1302.0	1131.2	1003.0	912.7	836.0	771.3	718.6	673.1	633.1
-30°	1421.3	1256.8	1117.9	1003.0	920.7	847.4	785.5	734.9	689.2	648.4	613.3
-32.5°	1171.7	1078.3	981.4	912.7	847.4	791.0	743.1	699.0	659.7	625.8	592.2
-35°	1013.7	949.2	889.1	836.0	785.5	743.1	702.3	666.1	633.5	602.2	570.0
-37.5°	902.0	855.1	813.6	771.3	734.9	699.0	666.1	636.0	607.2	577.4	549.0
-40°	816.0	780.6	750.6	718.6	689.2	659.7	633.5	607.2	579.8	553.1	528.1
-42.5°	747.4	722.2	697.5	673.1	648.4	625.8	602.2	577.4	553.1	530.1	507.3
-45°	691.0	671.9	651.6	633.1	613.3	592.2	570.0	549.0	528.1	507.3	486.0
-47.5°	643.4	629.0	613.2	596.0	577.6	558.6	540.8	522.1	503.5	483.7	459.2
-50°	602.3	589.0	574.3	559.0	544.3	528.6	512.5	495.9	476.8	454.7	431.8
-52.5°	561.1	550.6	538.9	526.3	513.2	499.3	484.4	465.5	445.7	425.1	403.7
-55°	525.2	515.9	505.8	494.7	482.1	466.5	449.9	432.4	414.1	394.9	375.9
-57.5°	490.9	481.7	470.3	457.9	444.5	430.2	414.9	398.8	382.5	365.6	347.7
-60°	449.9	440.5	430.2	418.9	406.6	393.6	380.3	366.2	351.4	334.4	316.7
-62.5°	407.7	399.2	390.0	380.3	369.7	358.3	345.7	331.7	316.9	301.4	285.2
-65°	366.7	359.4	351.4	341.7	331.3	320.0	308.1	295.4	282.0	268.0	253.3
-67.5°	323.8	316.7	308.8	300.2	290.9	280.9	270.2	258.8	246.5	233.3	219.6
-70°	279.3	273.1	266.1	258.6	250.1	240.8	231.0	220.5	209.4	198.4	187.2
-72.5°	233.8	228.2	221.9	215.0	207.5	200.0	192.1	183.7	174.9	165.6	156.2
-75°	188.7	184.3	179.4	174.0	168.2	161.9	155.6	149.1	142.2	135.0	127.5
-77.5°	147.2	143.9	140.2	136.1	131.7	127.0	121.9	116.8	112.0	106.9	101.5
-80°	109.8	107.6	105.1	102.3	99.3	96.1	92.7	89.0	85.1	81.3	77.5
-82.5°	77.4	75.9	74.3	72.5	70.5	68.4	66.1	63.7	61.1	58.4	55.6
-85°	48.4	47.5	46.4	45.3	44.1	42.8	41.4	39.9	38.3	36.6	34.8
-87.5°	21.4	21.1	20.7	20.2	19.7	19.2	18.7	18.1	17.5	16.8	16.1
-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: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**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°	15.4	14.7	13.9	13.1	12.2	11.4	10.5	9.6	8.7	7.8	6.9
85°	33.0	31.1	29.1	27.1	24.9	22.8	21.0	19.3	17.4	15.6	13.7
82.5°	52.6	49.7	46.7	43.7	40.5	37.3	33.9	30.5	27.0	23.5	20.5
80°	73.6	69.5	65.2	60.8	56.3	51.7	47.2	42.7	38.1	33.3	28.5
77.5°	95.9	90.1	84.1	78.5	72.8	67.0	61.1	55.0	49.0	43.1	37.1
75°	119.6	112.4	105.2	97.7	90.1	82.3	75.2	67.9	60.4	52.9	45.7
72.5°	147.0	137.4	127.5	117.4	108.5	99.3	89.9	80.6	72.0	63.2	54.2
70°	175.6	163.6	151.9	140.2	128.2	116.2	105.5	94.5	83.4	73.3	63.2
67.5°	205.3	191.7	177.7	163.2	149.4	135.5	121.4	108.6	96.1	83.4	72.0
65°	237.3	220.8	203.9	187.8	171.3	154.9	139.2	123.2	108.6	94.5	80.6
62.5°	268.4	250.8	232.1	212.7	194.0	175.4	156.8	139.2	121.4	105.5	89.9
60°	298.3	279.3	259.7	238.8	217.3	196.0	175.4	154.9	135.5	116.2	99.3
57.5°	327.8	307.1	285.9	264.1	241.1	217.3	194.0	171.3	149.4	128.2	108.5
55°	356.2	334.5	311.5	288.1	264.1	238.8	212.7	187.8	163.2	140.2	117.4
52.5°	382.1	360.3	336.7	311.5	285.9	259.7	232.1	203.9	177.7	151.9	127.5
50°	408.1	384.2	360.3	334.5	307.1	279.3	250.8	220.8	191.7	163.6	137.4
47.5°	434.0	408.1	382.1	356.2	327.8	298.3	268.4	237.3	205.3	175.6	147.0
45°	459.2	431.8	403.7	375.9	347.7	316.7	285.2	253.3	219.6	187.2	156.2
42.5°	483.7	454.7	425.1	394.9	365.6	334.4	301.4	268.0	233.3	198.4	165.6
40°	503.5	476.8	445.7	414.1	382.5	351.4	316.9	282.0	246.5	209.4	174.9
37.5°	522.1	495.9	465.5	432.4	398.8	366.2	331.7	295.4	258.8	220.5	183.7
35°	540.8	512.5	484.4	449.9	414.9	380.3	345.7	308.1	270.2	231.0	192.1
32.5°	558.6	528.6	499.3	466.5	430.2	393.6	358.3	320.0	280.9	240.8	200.0
30°	577.6	544.3	513.2	482.1	444.5	406.6	369.7	331.3	290.9	250.1	207.5
27.5°	596.0	559.0	526.3	494.7	457.9	418.9	380.3	341.7	300.2	258.6	215.0
25°	613.2	574.3	538.9	505.8	470.3	430.2	390.0	351.4	308.8	266.1	221.9
22.5°	629.0	589.0	550.6	515.9	481.7	440.5	399.2	359.4	316.7	273.1	228.2
20°	643.4	602.3	561.1	525.2	490.9	449.9	407.7	366.7	323.8	279.3	233.8
17.5°	656.8	614.2	571.8	533.9	498.4	458.2	415.2	373.1	330.1	284.8	238.8
15°	670.7	624.6	581.4	541.4	504.9	465.5	421.8	378.8	335.6	289.7	243.2
12.5°	682.6	633.5	589.6	547.9	510.5	471.7	427.4	383.6	340.3	293.8	247.0
10°	692.5	640.9	596.3	553.2	515.1	476.8	432.0	387.5	344.1	297.2	250.0
7.5°	700.3	646.7	601.6	557.4	518.7	480.8	435.6	390.6	347.1	299.8	252.4
5°	705.8	650.9	605.4	560.4	521.3	483.7	438.2	392.8	349.3	301.7	254.1
2.5°	709.2	653.4	607.7	562.2	522.9	485.4	439.8	394.2	350.6	302.8	255.2
0°	710.3	654.2	608.5	562.8	523.4	486.0	440.3	394.6	351.0	303.2	255.5
-2.5°	709.2	653.4	607.7	562.2	522.9	485.4	439.8	394.2	350.6	302.8	255.2
-5°	705.8	650.9	605.4	560.4	521.3	483.7	438.2	392.8	349.3	301.7	254.1
-7.5°	700.3	646.7	601.6	557.4	518.7	480.8	435.6	390.6	347.1	299.8	252.4
-10°	692.5	640.9	596.3	553.2	515.1	476.8	432.0	387.5	344.1	297.2	250.0
-12.5°	682.6	633.5	589.6	547.9	510.5	471.7	427.4	383.6	340.3	293.8	247.0
-15°	670.7	624.6	581.4	541.4	504.9	465.5	421.8	378.8	335.6	289.7	243.2
-17.5°	656.8	614.2	571.8	533.9	498.4	458.2	415.2	373.1	330.1	284.8	238.8
-20°	643.4	602.3	561.1	525.2	490.9	449.9	407.7	366.7	323.8	279.3	233.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	629.0	589.0	550.6	515.9	481.7	440.5	399.2	359.4	316.7	273.1	228.2
-25°	613.2	574.3	538.9	505.8	470.3	430.2	390.0	351.4	308.8	266.1	221.9
-27.5°	596.0	559.0	526.3	494.7	457.9	418.9	380.3	341.7	300.2	258.6	215.0
-30°	577.6	544.3	513.2	482.1	444.5	406.6	369.7	331.3	290.9	250.1	207.5
-32.5°	558.6	528.6	499.3	466.5	430.2	393.6	358.3	320.0	280.9	240.8	200.0
-35°	540.8	512.5	484.4	449.9	414.9	380.3	345.7	308.1	270.2	231.0	192.1
-37.5°	522.1	495.9	465.5	432.4	398.8	366.2	331.7	295.4	258.8	220.5	183.7
-40°	503.5	476.8	445.7	414.1	382.5	351.4	316.9	282.0	246.5	209.4	174.9
-42.5°	483.7	454.7	425.1	394.9	365.6	334.4	301.4	268.0	233.3	198.4	165.6
-45°	459.2	431.8	403.7	375.9	347.7	316.7	285.2	253.3	219.6	187.2	156.2
-47.5°	434.0	408.1	382.1	356.2	327.8	298.3	268.4	237.3	205.3	175.6	147.0
-50°	408.1	384.2	360.3	334.5	307.1	279.3	250.8	220.8	191.7	163.6	137.4
-52.5°	382.1	360.3	336.7	311.5	285.9	259.7	232.1	203.9	177.7	151.9	127.5
-55°	356.2	334.5	311.5	288.1	264.1	238.8	212.7	187.8	163.2	140.2	117.4
-57.5°	327.8	307.1	285.9	264.1	241.1	217.3	194.0	171.3	149.4	128.2	108.5
-60°	298.3	279.3	259.7	238.8	217.3	196.0	175.4	154.9	135.5	116.2	99.3
-62.5°	268.4	250.8	232.1	212.7	194.0	175.4	156.8	139.2	121.4	105.5	89.9
-65°	237.3	220.8	203.9	187.8	171.3	154.9	139.2	123.2	108.6	94.5	80.6
-67.5°	205.3	191.7	177.7	163.2	149.4	135.5	121.4	108.6	96.1	83.4	72.0
-70°	175.6	163.6	151.9	140.2	128.2	116.2	105.5	94.5	83.4	73.3	63.2
-72.5°	147.0	137.4	127.5	117.4	108.5	99.3	89.9	80.6	72.0	63.2	54.2
-75°	119.6	112.4	105.2	97.7	90.1	82.3	75.2	67.9	60.4	52.9	45.7
-77.5°	95.9	90.1	84.1	78.5	72.8	67.0	61.1	55.0	49.0	43.1	37.1
-80°	73.6	69.5	65.2	60.8	56.3	51.7	47.2	42.7	38.1	33.3	28.5
-82.5°	52.6	49.7	46.7	43.7	40.5	37.3	33.9	30.5	27.0	23.5	20.5
-85°	33.0	31.1	29.1	27.1	24.9	22.8	21.0	19.3	17.4	15.6	13.7
-87.5°	15.4	14.7	13.9	13.1	12.2	11.4	10.5	9.6	8.7	7.8	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0
85°	11.8	9.9	7.9	5.9	4.0	2.0	0.0
82.5°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
80°	23.7	19.6	15.8	11.8	7.9	4.0	0.0
77.5°	31.1	25.0	19.6	14.8	9.9	4.9	0.0
75°	38.4	31.1	23.7	17.7	11.8	5.9	0.0
72.5°	45.7	37.1	28.5	20.5	13.7	6.9	0.0
70°	52.9	43.1	33.3	23.5	15.6	7.8	0.0
67.5°	60.4	49.0	38.1	27.0	17.4	8.7	0.0
65°	67.9	55.0	42.7	30.5	19.3	9.6	0.0
62.5°	75.2	61.1	47.2	33.9	21.0	10.5	0.0
60°	82.3	67.0	51.7	37.3	22.8	11.4	0.0
57.5°	90.1	72.8	56.3	40.5	24.9	12.2	0.0
55°	97.7	78.5	60.8	43.7	27.1	13.1	0.0
52.5°	105.2	84.1	65.2	46.7	29.1	13.9	0.0
50°	112.4	90.1	69.5	49.7	31.1	14.7	0.0
47.5°	119.6	95.9	73.6	52.6	33.0	15.4	0.0
45°	127.5	101.5	77.5	55.6	34.8	16.1	0.0
42.5°	135.0	106.9	81.3	58.4	36.6	16.8	0.0
40°	142.2	112.0	85.1	61.1	38.3	17.5	0.0
37.5°	149.1	116.8	89.0	63.7	39.9	18.1	0.0
35°	155.6	121.9	92.7	66.1	41.4	18.7	0.0
32.5°	161.9	127.0	96.1	68.4	42.8	19.2	0.0
30°	168.2	131.7	99.3	70.5	44.1	19.7	0.0
27.5°	174.0	136.1	102.3	72.5	45.3	20.2	0.0
25°	179.4	140.2	105.1	74.3	46.4	20.7	0.0
22.5°	184.3	143.9	107.6	75.9	47.5	21.1	0.0
20°	188.7	147.2	109.8	77.4	48.4	21.4	0.0
17.5°	192.6	150.2	111.8	78.7	49.2	21.7	0.0
15°	196.0	152.7	113.5	79.9	49.9	22.0	0.0
12.5°	199.0	154.9	115.0	80.9	50.5	22.3	0.0
10°	201.3	156.7	116.2	81.7	51.0	22.5	0.0
7.5°	203.2	158.1	117.2	82.3	51.4	22.6	0.0
5°	204.5	159.1	117.9	82.7	51.7	22.7	0.0
2.5°	205.3	159.7	118.3	83.0	51.8	22.8	0.0
0°	205.6	159.9	118.4	83.1	51.9	22.8	0.0
-2.5°	205.3	159.7	118.3	83.0	51.8	22.8	0.0
-5°	204.5	159.1	117.9	82.7	51.7	22.7	0.0
-7.5°	203.2	158.1	117.2	82.3	51.4	22.6	0.0
-10°	201.3	156.7	116.2	81.7	51.0	22.5	0.0
-12.5°	199.0	154.9	115.0	80.9	50.5	22.3	0.0
-15°	196.0	152.7	113.5	79.9	49.9	22.0	0.0
-17.5°	192.6	150.2	111.8	78.7	49.2	21.7	0.0
-20°	188.7	147.2	109.8	77.4	48.4	21.4	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624744 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-44

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	184.3	143.9	107.6	75.9	47.5	21.1	0.0
-25°	179.4	140.2	105.1	74.3	46.4	20.7	0.0
-27.5°	174.0	136.1	102.3	72.5	45.3	20.2	0.0
-30°	168.2	131.7	99.3	70.5	44.1	19.7	0.0
-32.5°	161.9	127.0	96.1	68.4	42.8	19.2	0.0
-35°	155.6	121.9	92.7	66.1	41.4	18.7	0.0
-37.5°	149.1	116.8	89.0	63.7	39.9	18.1	0.0
-40°	142.2	112.0	85.1	61.1	38.3	17.5	0.0
-42.5°	135.0	106.9	81.3	58.4	36.6	16.8	0.0
-45°	127.5	101.5	77.5	55.6	34.8	16.1	0.0
-47.5°	119.6	95.9	73.6	52.6	33.0	15.4	0.0
-50°	112.4	90.1	69.5	49.7	31.1	14.7	0.0
-52.5°	105.2	84.1	65.2	46.7	29.1	13.9	0.0
-55°	97.7	78.5	60.8	43.7	27.1	13.1	0.0
-57.5°	90.1	72.8	56.3	40.5	24.9	12.2	0.0
-60°	82.3	67.0	51.7	37.3	22.8	11.4	0.0
-62.5°	75.2	61.1	47.2	33.9	21.0	10.5	0.0
-65°	67.9	55.0	42.7	30.5	19.3	9.6	0.0
-67.5°	60.4	49.0	38.1	27.0	17.4	8.7	0.0
-70°	52.9	43.1	33.3	23.5	15.6	7.8	0.0
-72.5°	45.7	37.1	28.5	20.5	13.7	6.9	0.0
-75°	38.4	31.1	23.7	17.7	11.8	5.9	0.0
-77.5°	31.1	25.0	19.6	14.8	9.9	4.9	0.0
-80°	23.7	19.6	15.8	11.8	7.9	4.0	0.0
-82.5°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
-85°	11.8	9.9	7.9	5.9	4.0	2.0	0.0
-87.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)