

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: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-3000K-11**

Issue Date: 11/8/2022



Test Information

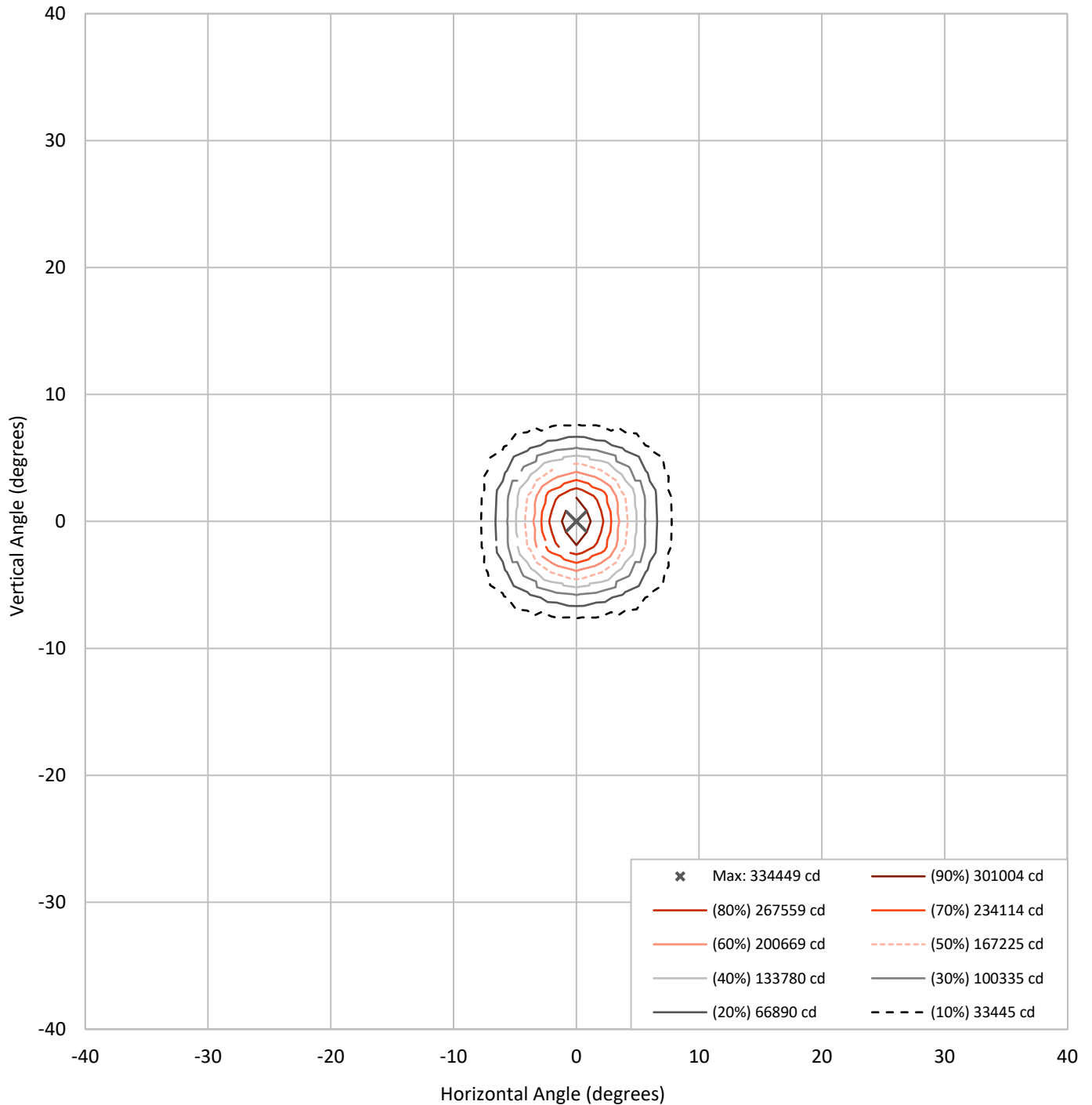
Test Method: LM-79-08
Report Number: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-55)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-04-E-PRO-3000K-11
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 11 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	11143.7 lumens	Max Intensity:	334449 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	68.2 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	8.3°H x 8.9°V	Field Angle (10%):	14.9°H x 14.6°V
Beam Lumens:	5012.5 lumens	Field Lumens:	7906.8 lumens
Beam Efficiency:	45.0%	Field Efficiency:	71.0%
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		

REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

Iso-Candela Plot





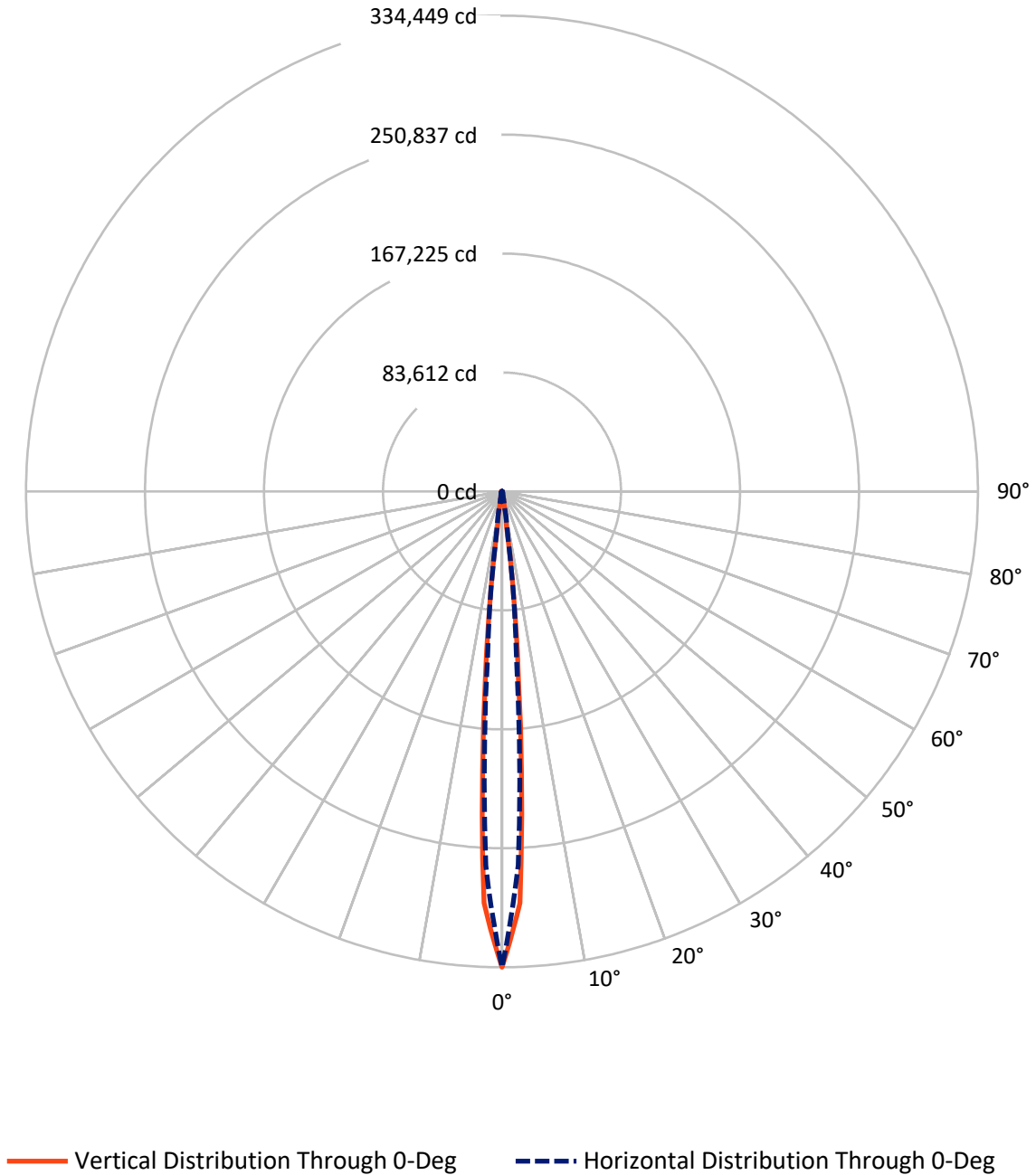
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Lumen Table

90	0.0	0.4	1.5	3.5	6.0	3.5	1.5	0.4	0.0							
80	0.0	0.4	1.5	3.5	6.0	3.5	1.5	0.4	0.0							
70	0.2	0.3	0.8	1.5	2.4	3.0	4.9	8.9	8.9	4.9	3.0	2.4	1.5	0.8	0.3	0.2
60		0.6	1.4	2.9	4.4	5.8	7.7	10.9	10.9	7.7	5.8	4.4	2.9	1.4	0.6	
50	0.8	1.0	2.1	4.4	7.3	10.7	14.0	17.2	17.2	14.0	10.7	7.3	4.4	2.1	1.0	0.8
40		1.6	3.0	6.2	11.2	15.1	16.7	17.8	17.8	16.7	15.1	11.2	6.2	3.0	1.6	
30	1.5	2.3	4.1	8.7	13.8	15.8	20.9	27.8	27.8	20.9	15.8	13.8	8.7	4.1	2.3	1.5
20		3.1	5.8	11.5	15.2	20.3	40.7	78.2	78.2	40.7	20.3	15.2	11.5	5.8	3.1	
10	1.7	3.5	7.0	13.0	15.9	26.7	81.1	2175.0	2175.0	81.1	26.7	15.9	13.0	7.0	3.5	1.7
0		3.5	7.0	13.0	15.9	26.7	81.1	2175.0	2175.0	81.1	26.7	15.9	13.0	7.0	3.5	
-10	1.5	3.1	5.8	11.5	15.2	20.3	40.7	78.2	78.2	40.7	20.3	15.2	11.5	5.8	3.1	1.5
-20		2.3	4.1	8.7	13.8	15.8	20.9	27.8	27.8	20.9	15.8	13.8	8.7	4.1	2.3	
-30	0.8	1.6	3.0	6.2	11.2	15.1	16.7	17.8	17.8	16.7	15.1	11.2	6.2	3.0	1.6	0.8
-40		1.0	2.1	4.4	7.3	10.7	14.0	17.2	17.2	14.0	10.7	7.3	4.4	2.1	1.0	
-50	0.2	0.6	1.4	2.9	4.4	5.8	7.7	10.9	10.9	7.7	5.8	4.4	2.9	1.4	0.6	0.2
-60		0.3	0.8	1.5	2.4	3.0	4.9	8.9	8.9	4.9	3.0	2.4	1.5	0.8	0.3	
-70	0.0	0.4	1.5	3.5	6.0	3.5	1.5	0.4	0.0							
-80		0.4	1.5	3.5	6.0	3.5	1.5	0.4	0.0							
-90	0.0	0.4	1.5	3.5	6.0	3.5	1.5	0.4	0.0							

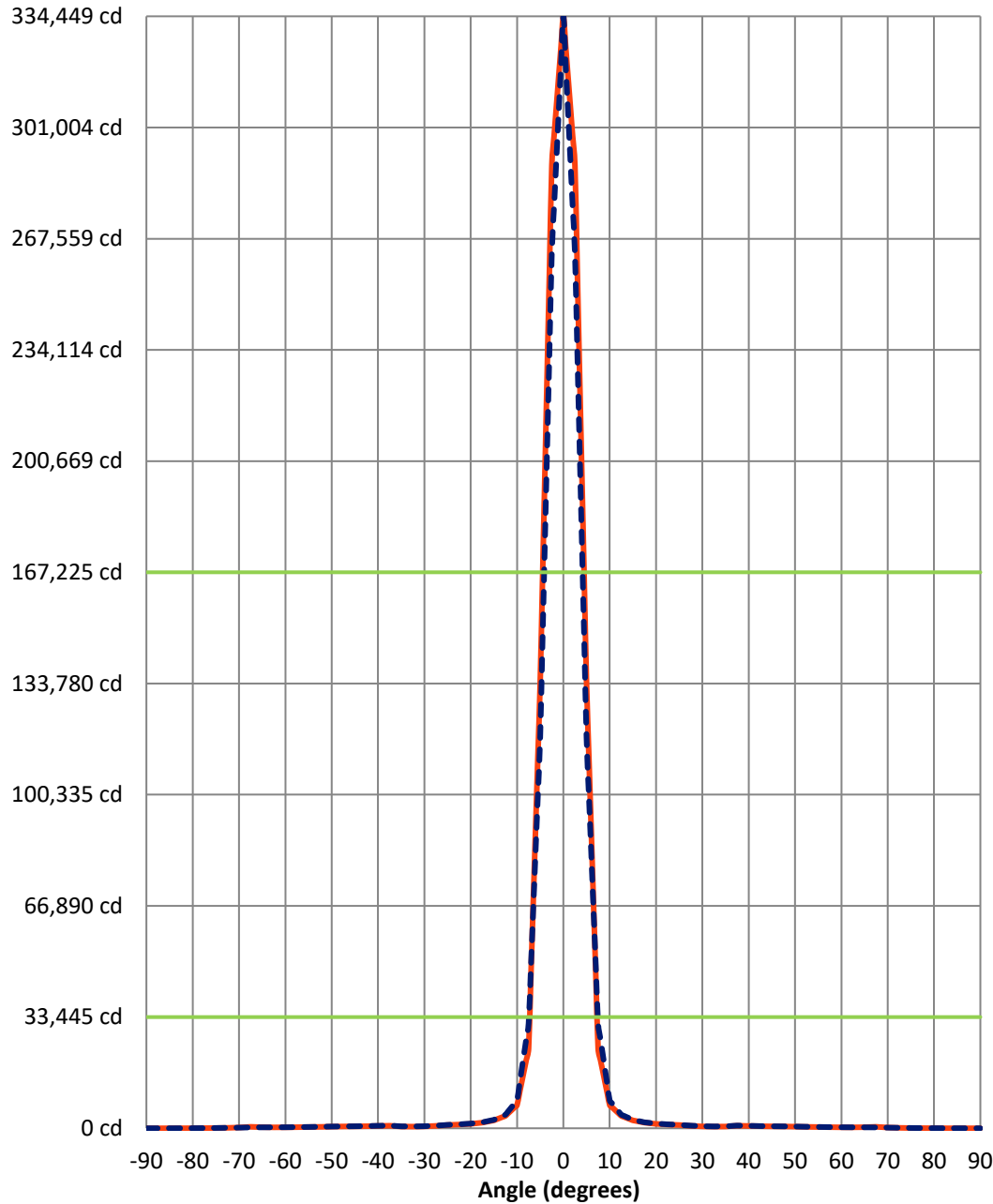
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 8.3°
 V Angle: 8.9°
 Lumens: 5012.5
 Efficiency: 45.0%

Field:
 H Angle: 14.9°
 V Angle: 14.6°
 Lumens: 7906.8
 Efficiency: 71.0%

Spill:
 Lumens: 3236.8
 Efficiency: 29.0%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	2.9	2.9	2.9
80°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	2.9	2.9	2.9	2.9
77.5°	0.0	0.6	1.3	1.9	2.5	2.9	2.9	2.9	2.9	2.9	3.8
75°	0.0	0.8	1.5	2.2	2.9	2.9	2.9	2.9	3.2	5.3	7.4
72.5°	0.0	0.9	1.7	2.6	2.9	2.9	2.9	3.6	6.1	8.6	11.0
70°	0.0	1.0	2.0	2.9	2.9	2.9	3.2	6.1	8.9	11.8	13.8
67.5°	0.0	1.1	2.2	2.9	2.9	2.9	5.4	8.6	11.8	14.7	16.6
65°	0.0	1.2	2.4	2.9	2.9	3.9	7.6	11.0	14.8	17.7	20.2
62.5°	0.0	1.3	2.7	2.9	2.9	5.8	9.8	13.9	18.0	21.3	25.5
60°	0.0	1.4	2.9	2.9	2.9	7.7	12.0	17.0	21.2	26.6	31.0
57.5°	0.0	1.6	2.9	2.9	4.4	9.7	15.0	20.1	25.9	32.0	37.4
55°	0.0	1.7	2.9	2.9	6.0	11.6	18.2	23.6	31.1	37.7	44.3
52.5°	0.0	1.8	2.9	2.9	7.5	13.6	21.5	28.6	36.3	44.3	51.3
50°	0.0	1.9	2.9	2.9	9.1	16.5	24.8	33.9	41.7	50.9	59.4
47.5°	0.0	2.0	2.9	3.2	10.5	19.4	28.4	39.5	47.8	57.6	68.0
45°	0.0	2.1	2.9	4.3	12.0	22.3	33.5	45.3	55.0	65.8	76.9
42.5°	0.0	2.1	2.9	5.3	13.4	25.2	38.6	51.7	62.5	74.2	87.6
40°	0.0	2.2	2.9	6.4	15.3	28.1	43.8	58.4	70.9	83.1	99.0
37.5°	0.0	2.3	2.9	7.3	17.5	31.0	49.1	65.4	80.3	94.4	110.7
35°	0.0	2.4	2.9	8.2	19.7	34.8	54.4	72.5	90.0	107.2	122.1
32.5°	0.0	2.4	2.9	9.1	21.9	39.0	60.0	79.7	99.8	120.3	136.1
30°	0.0	2.5	2.9	9.9	24.0	43.1	65.7	87.2	109.8	133.8	152.0
27.5°	0.0	2.6	2.9	10.6	25.5	47.2	71.5	95.4	120.3	147.4	169.8
25°	0.0	2.6	2.9	11.3	26.7	51.1	77.2	103.5	131.7	162.0	189.0
22.5°	0.0	2.7	2.9	11.9	27.8	54.3	82.8	111.5	142.9	177.6	204.8
20°	0.0	2.7	2.9	12.5	28.7	55.4	88.2	119.4	154.1	194.0	220.5
17.5°	0.0	2.8	2.9	13.0	29.3	56.0	91.0	127.1	165.1	210.9	236.0
15°	0.0	2.8	2.9	13.4	29.8	56.2	92.0	132.4	175.7	228.1	251.3
12.5°	0.0	2.8	2.9	13.8	30.0	55.9	92.7	134.9	182.3	245.3	266.4
10°	0.0	2.9	2.9	14.1	30.2	55.3	93.1	136.9	185.3	251.7	276.9
7.5°	0.0	2.9	2.9	14.3	30.1	54.3	93.0	138.5	187.5	255.5	278.1
5°	0.0	2.9	2.9	14.5	29.9	53.0	92.6	139.5	189.0	258.1	279.0
2.5°	0.0	2.9	2.9	14.6	29.6	51.4	91.7	140.0	189.6	259.4	279.6
0°	0.0	2.9	2.9	14.6	29.1	49.6	90.4	139.9	189.5	259.4	279.8
-2.5°	0.0	2.9	2.9	14.6	29.6	51.4	91.7	140.0	189.6	259.4	279.6
-5°	0.0	2.9	2.9	14.5	29.9	53.0	92.6	139.5	189.0	258.1	279.0
-7.5°	0.0	2.9	2.9	14.3	30.1	54.3	93.0	138.5	187.5	255.5	278.1
-10°	0.0	2.9	2.9	14.1	30.2	55.3	93.1	136.9	185.3	251.7	276.9
-12.5°	0.0	2.8	2.9	13.8	30.0	55.9	92.7	134.9	182.3	245.3	266.4
-15°	0.0	2.8	2.9	13.4	29.8	56.2	92.0	132.4	175.7	228.1	251.3
-17.5°	0.0	2.8	2.9	13.0	29.3	56.0	91.0	127.1	165.1	210.9	236.0
-20°	0.0	2.7	2.9	12.5	28.7	55.4	88.2	119.4	154.1	194.0	220.5

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Scaled Data Report



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.7	2.9	11.9	27.8	54.3	82.8	111.5	142.9	177.6	204.8
-25°	0.0	2.6	2.9	11.3	26.7	51.1	77.2	103.5	131.7	162.0	189.0
-27.5°	0.0	2.6	2.9	10.6	25.5	47.2	71.5	95.4	120.3	147.4	169.8
-30°	0.0	2.5	2.9	9.9	24.0	43.1	65.7	87.2	109.8	133.8	152.0
-32.5°	0.0	2.4	2.9	9.1	21.9	39.0	60.0	79.7	99.8	120.3	136.1
-35°	0.0	2.4	2.9	8.2	19.7	34.8	54.4	72.5	90.0	107.2	122.1
-37.5°	0.0	2.3	2.9	7.3	17.5	31.0	49.1	65.4	80.3	94.4	110.7
-40°	0.0	2.2	2.9	6.4	15.3	28.1	43.8	58.4	70.9	83.1	99.0
-42.5°	0.0	2.1	2.9	5.3	13.4	25.2	38.6	51.7	62.5	74.2	87.6
-45°	0.0	2.1	2.9	4.3	12.0	22.3	33.5	45.3	55.0	65.8	76.9
-47.5°	0.0	2.0	2.9	3.2	10.5	19.4	28.4	39.5	47.8	57.6	68.0
-50°	0.0	1.9	2.9	2.9	9.1	16.5	24.8	33.9	41.7	50.9	59.4
-52.5°	0.0	1.8	2.9	2.9	7.5	13.6	21.5	28.6	36.3	44.3	51.3
-55°	0.0	1.7	2.9	2.9	6.0	11.6	18.2	23.6	31.1	37.7	44.3
-57.5°	0.0	1.6	2.9	2.9	4.4	9.7	15.0	20.1	25.9	32.0	37.4
-60°	0.0	1.4	2.9	2.9	2.9	7.7	12.0	17.0	21.2	26.6	31.0
-62.5°	0.0	1.3	2.7	2.9	2.9	5.8	9.8	13.9	18.0	21.3	25.5
-65°	0.0	1.2	2.4	2.9	2.9	3.9	7.6	11.0	14.8	17.7	20.2
-67.5°	0.0	1.1	2.2	2.9	2.9	2.9	5.4	8.6	11.8	14.7	16.6
-70°	0.0	1.0	2.0	2.9	2.9	2.9	3.2	6.1	8.9	11.8	13.8
-72.5°	0.0	0.9	1.7	2.6	2.9	2.9	2.9	3.6	6.1	8.6	11.0
-75°	0.0	0.8	1.5	2.2	2.9	2.9	2.9	2.9	3.2	5.3	7.4
-77.5°	0.0	0.6	1.3	1.9	2.5	2.9	2.9	2.9	2.9	2.9	3.8
-80°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	2.9	2.9	2.9	2.9
-82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	2.9	2.9	2.9
-85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
-87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
-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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CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	1.6	1.1	0.6
85°	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.5	2.2	2.0
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.6	4.1	4.6	5.1
80°	2.9	2.9	3.8	4.6	5.4	6.2	6.9	7.7	8.4	9.3	10.3
77.5°	5.3	6.5	7.4	8.0	9.0	11.0	13.0	14.8	16.2	17.2	18.0
75°	9.1	10.3	11.6	13.6	16.0	18.4	20.8	23.0	25.0	27.3	30.0
72.5°	12.6	14.2	16.7	19.7	23.5	26.6	29.2	31.4	35.5	40.7	44.7
70°	15.5	18.0	22.4	27.3	32.0	35.5	40.6	47.1	53.8	57.7	60.2
67.5°	18.5	23.6	29.0	34.8	40.7	46.6	54.0	61.2	67.9	71.0	74.0
65°	23.4	29.2	35.7	42.4	49.0	56.9	64.8	72.5	79.4	83.3	87.6
62.5°	28.5	35.3	42.6	50.1	58.3	66.8	75.5	83.1	89.5	96.6	104.7
60°	35.1	41.6	49.7	58.3	67.6	77.8	86.5	96.3	104.5	111.9	124.6
57.5°	42.1	47.7	56.7	66.6	77.8	90.1	103.1	113.2	123.4	134.0	146.8
55°	49.4	53.7	63.8	75.4	89.3	107.5	121.4	133.1	144.9	154.4	165.6
52.5°	57.5	61.0	71.4	85.2	103.4	122.8	139.7	151.9	162.8	173.2	184.1
50°	66.1	71.2	79.0	96.6	115.9	136.1	156.4	168.6	180.8	192.2	203.8
47.5°	76.3	82.2	88.0	106.8	126.8	147.9	168.8	186.0	199.3	213.5	227.2
45°	87.5	94.6	100.8	115.6	136.8	158.7	181.6	203.8	219.9	237.0	259.3
42.5°	99.4	107.1	114.2	123.4	146.3	169.8	194.0	219.9	242.4	266.6	294.5
40°	110.9	119.6	127.3	136.6	155.4	180.7	207.8	236.1	269.1	300.7	333.5
37.5°	122.1	131.3	140.2	151.5	164.9	192.3	221.3	256.6	296.6	338.1	385.1
35°	133.1	142.6	153.5	166.2	180.8	204.3	239.3	279.2	327.2	383.1	428.8
32.5°	143.5	153.6	166.4	180.5	198.6	221.3	257.0	306.7	363.8	422.0	459.3
30°	156.4	164.9	178.7	193.9	216.1	245.4	281.7	335.0	401.7	447.3	481.2
27.5°	173.9	176.4	190.6	208.7	234.0	269.2	314.7	370.1	428.4	470.4	500.2
25°	191.4	195.2	201.6	223.6	255.3	297.1	349.4	414.7	452.5	487.9	519.3
22.5°	208.6	213.3	221.6	237.8	276.1	325.8	389.2	450.3	488.4	509.6	538.4
20°	225.4	231.8	243.6	263.7	298.0	353.4	428.1	485.4	523.6	544.9	564.8
17.5°	241.7	250.3	266.2	291.6	330.7	386.8	464.6	521.0	561.0	575.6	599.3
15°	257.4	268.7	288.3	317.9	362.2	424.3	494.8	552.2	593.5	603.6	631.2
12.5°	272.7	286.8	309.9	342.8	391.6	457.1	520.7	572.3	608.6	631.0	661.6
10°	287.6	304.7	330.8	366.2	418.9	485.6	542.5	587.6	620.4	651.6	689.5
7.5°	289.7	313.6	347.9	388.2	444.1	510.1	560.5	598.7	633.6	671.6	719.9
5°	289.6	312.8	347.6	391.9	453.6	524.4	572.6	606.4	647.2	690.5	750.8
2.5°	289.2	311.2	346.2	391.9	452.3	525.8	571.5	607.0	653.1	715.6	780.8
0°	288.6	309.0	343.9	390.6	448.9	524.7	568.4	606.3	655.8	743.3	807.4
-2.5°	289.2	311.2	346.2	391.9	452.3	525.8	571.5	607.0	653.1	715.6	780.8
-5°	289.6	312.8	347.6	391.9	453.6	524.4	572.6	606.4	647.2	690.5	750.8
-7.5°	289.7	313.6	347.9	388.2	444.1	510.1	560.5	598.7	633.6	671.6	719.9
-10°	287.6	304.7	330.8	366.2	418.9	485.6	542.5	587.6	620.4	651.6	689.5
-12.5°	272.7	286.8	309.9	342.8	391.6	457.1	520.7	572.3	608.6	631.0	661.6
-15°	257.4	268.7	288.3	317.9	362.2	424.3	494.8	552.2	593.5	603.6	631.2
-17.5°	241.7	250.3	266.2	291.6	330.7	386.8	464.6	521.0	561.0	575.6	599.3
-20°	225.4	231.8	243.6	263.7	298.0	353.4	428.1	485.4	523.6	544.9	564.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	208.6	213.3	221.6	237.8	276.1	325.8	389.2	450.3	488.4	509.6	538.4
-25°	191.4	195.2	201.6	223.6	255.3	297.1	349.4	414.7	452.5	487.9	519.3
-27.5°	173.9	176.4	190.6	208.7	234.0	269.2	314.7	370.1	428.4	470.4	500.2
-30°	156.4	164.9	178.7	193.9	216.1	245.4	281.7	335.0	401.7	447.3	481.2
-32.5°	143.5	153.6	166.4	180.5	198.6	221.3	257.0	306.7	363.8	422.0	459.3
-35°	133.1	142.6	153.5	166.2	180.8	204.3	239.3	279.2	327.2	383.1	428.8
-37.5°	122.1	131.3	140.2	151.5	164.9	192.3	221.3	256.6	296.6	338.1	385.1
-40°	110.9	119.6	127.3	136.6	155.4	180.7	207.8	236.1	269.1	300.7	333.5
-42.5°	99.4	107.1	114.2	123.4	146.3	169.8	194.0	219.9	242.4	266.6	294.5
-45°	87.5	94.6	100.8	115.6	136.8	158.7	181.6	203.8	219.9	237.0	259.3
-47.5°	76.3	82.2	88.0	106.8	126.8	147.9	168.8	186.0	199.3	213.5	227.2
-50°	66.1	71.2	79.0	96.6	115.9	136.1	156.4	168.6	180.8	192.2	203.8
-52.5°	57.5	61.0	71.4	85.2	103.4	122.8	139.7	151.9	162.8	173.2	184.1
-55°	49.4	53.7	63.8	75.4	89.3	107.5	121.4	133.1	144.9	154.4	165.6
-57.5°	42.1	47.7	56.7	66.6	77.8	90.1	103.1	113.2	123.4	134.0	146.8
-60°	35.1	41.6	49.7	58.3	67.6	77.8	86.5	96.3	104.5	111.9	124.6
-62.5°	28.5	35.3	42.6	50.1	58.3	66.8	75.5	83.1	89.5	96.6	104.7
-65°	23.4	29.2	35.7	42.4	49.0	56.9	64.8	72.5	79.4	83.3	87.6
-67.5°	18.5	23.6	29.0	34.8	40.7	46.6	54.0	61.2	67.9	71.0	74.0
-70°	15.5	18.0	22.4	27.3	32.0	35.5	40.6	47.1	53.8	57.7	60.2
-72.5°	12.6	14.2	16.7	19.7	23.5	26.6	29.2	31.4	35.5	40.7	44.7
-75°	9.1	10.3	11.6	13.6	16.0	18.4	20.8	23.0	25.0	27.3	30.0
-77.5°	5.3	6.5	7.4	8.0	9.0	11.0	13.0	14.8	16.2	17.2	18.0
-80°	2.9	2.9	3.8	4.6	5.4	6.2	6.9	7.7	8.4	9.3	10.3
-82.5°	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.6	4.1	4.6	5.1
-85°	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.5	2.2	2.0
-87.5°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	1.6	1.1	0.6
-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: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	2.0	2.1	2.2	2.4	2.5	2.5	2.6	2.7	2.8	2.8
82.5°	5.5	5.6	5.5	5.3	5.0	5.7	6.4	7.2	8.1	8.3	8.4
80°	11.1	11.6	12.0	12.5	13.1	15.0	17.1	19.1	21.2	21.9	22.4
77.5°	19.1	20.9	22.3	23.2	23.8	26.9	31.0	35.3	39.7	42.4	44.7
75°	33.0	34.8	35.5	35.9	35.9	41.2	49.5	58.3	67.7	72.3	75.5
72.5°	47.7	49.3	49.8	49.8	49.5	57.2	71.9	88.0	105.0	114.5	120.9
70°	62.4	63.9	64.2	64.2	63.9	72.9	93.8	115.5	137.8	160.2	184.3
67.5°	77.1	80.3	81.0	81.0	81.0	87.8	109.0	128.7	146.9	188.1	254.0
65°	93.1	100.6	102.6	102.8	101.6	103.7	121.8	138.3	153.1	183.3	228.5
62.5°	113.8	123.8	127.2	127.5	126.8	125.1	140.2	154.3	167.2	186.5	217.2
60°	136.4	147.2	152.2	152.1	151.5	150.3	161.1	174.4	186.9	202.8	232.1
57.5°	157.6	167.9	175.7	176.3	176.2	175.4	184.0	199.0	213.7	229.5	261.0
55°	177.2	188.2	198.7	201.9	204.1	205.4	212.5	232.6	252.2	271.1	302.8
52.5°	196.4	210.4	223.8	231.9	239.0	245.3	252.9	277.9	302.1	324.9	355.5
50°	219.5	236.4	255.5	270.8	282.6	294.3	304.8	333.1	366.3	398.4	430.5
47.5°	248.6	270.4	293.9	317.1	334.9	356.8	376.5	405.8	438.3	472.0	501.2
45°	282.9	310.5	339.4	374.4	403.6	419.0	431.4	451.0	486.3	520.9	549.2
42.5°	322.8	360.7	400.7	427.9	448.6	461.7	470.8	479.1	516.4	548.7	574.6
40°	376.5	416.2	443.2	466.2	481.7	493.7	506.4	520.3	546.0	575.5	604.1
37.5°	425.4	453.8	477.4	496.2	511.8	525.3	542.0	557.7	578.5	614.4	639.6
35°	459.6	484.0	507.3	527.0	544.7	560.0	581.4	613.0	641.1	613.8	574.3
32.5°	485.3	509.5	534.7	563.8	585.7	613.8	644.7	584.9	523.3	498.4	502.7
30°	506.9	532.5	564.2	603.3	641.7	618.9	534.2	503.3	508.5	520.6	547.9
27.5°	527.3	555.4	593.1	647.0	607.6	513.4	512.2	522.3	563.1	600.1	660.3
25°	549.0	579.2	635.3	605.3	520.0	520.3	547.6	592.1	677.1	758.9	839.9
22.5°	572.9	621.5	625.1	521.4	523.8	559.3	620.3	728.6	841.3	957.3	1038.8
20°	600.6	662.3	556.6	527.6	556.9	625.9	750.2	890.1	1024.1	1107.2	1179.8
17.5°	640.7	612.2	534.2	544.3	609.4	739.7	896.7	1044.9	1149.2	1279.3	1396.8
15°	675.1	564.6	541.7	590.8	700.2	858.9	1037.2	1155.6	1322.6	1515.2	1738.6
12.5°	654.1	546.4	556.6	633.7	785.7	977.2	1125.4	1295.9	1523.9	1810.4	2261.9
10°	625.9	553.2	591.0	700.7	871.8	1062.1	1209.1	1427.4	1749.2	2268.0	3095.3
7.5°	606.4	555.7	612.8	751.4	944.2	1114.8	1301.6	1586.6	2037.6	2810.7	4092.3
5°	590.2	554.3	620.3	776.5	988.4	1150.3	1366.2	1710.0	2315.8	3486.4	6487.3
2.5°	581.1	551.7	620.3	788.4	1012.9	1170.1	1399.4	1769.0	2475.4	3926.5	7995.0
0°	583.0	550.9	617.9	792.8	1023.1	1180.5	1413.7	1795.5	2544.6	4101.1	8377.1
-2.5°	581.1	551.7	620.3	788.4	1012.9	1170.1	1399.4	1769.0	2475.4	3926.5	7995.0
-5°	590.2	554.3	620.3	776.5	988.4	1150.3	1366.2	1710.0	2315.8	3486.4	6487.3
-7.5°	606.4	555.7	612.8	751.4	944.2	1114.8	1301.6	1586.6	2037.6	2810.7	4092.3
-10°	625.9	553.2	591.0	700.7	871.8	1062.1	1209.1	1427.4	1749.2	2268.0	3095.3
-12.5°	654.1	546.4	556.6	633.7	785.7	977.2	1125.4	1295.9	1523.9	1810.4	2261.9
-15°	675.1	564.6	541.7	590.8	700.2	858.9	1037.2	1155.6	1322.6	1515.2	1738.6
-17.5°	640.7	612.2	534.2	544.3	609.4	739.7	896.7	1044.9	1149.2	1279.3	1396.8
-20°	600.6	662.3	556.6	527.6	556.9	625.9	750.2	890.1	1024.1	1107.2	1179.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	572.9	621.5	625.1	521.4	523.8	559.3	620.3	728.6	841.3	957.3	1038.8
-25°	549.0	579.2	635.3	605.3	520.0	520.3	547.6	592.1	677.1	758.9	839.9
-27.5°	527.3	555.4	593.1	647.0	607.6	513.4	512.2	522.3	563.1	600.1	660.3
-30°	506.9	532.5	564.2	603.3	641.7	618.9	534.2	503.3	508.5	520.6	547.9
-32.5°	485.3	509.5	534.7	563.8	585.7	613.8	644.7	584.9	523.3	498.4	502.7
-35°	459.6	484.0	507.3	527.0	544.7	560.0	581.4	613.0	641.1	613.8	574.3
-37.5°	425.4	453.8	477.4	496.2	511.8	525.3	542.0	557.7	578.5	614.4	639.6
-40°	376.5	416.2	443.2	466.2	481.7	493.7	506.4	520.3	546.0	575.5	604.1
-42.5°	322.8	360.7	400.7	427.9	448.6	461.7	470.8	479.1	516.4	548.7	574.6
-45°	282.9	310.5	339.4	374.4	403.6	419.0	431.4	451.0	486.3	520.9	549.2
-47.5°	248.6	270.4	293.9	317.1	334.9	356.8	376.5	405.8	438.3	472.0	501.2
-50°	219.5	236.4	255.5	270.8	282.6	294.3	304.8	333.1	366.3	398.4	430.5
-52.5°	196.4	210.4	223.8	231.9	239.0	245.3	252.9	277.9	302.1	324.9	355.5
-55°	177.2	188.2	198.7	201.9	204.1	205.4	212.5	232.6	252.2	271.1	302.8
-57.5°	157.6	167.9	175.7	176.3	176.2	175.4	184.0	199.0	213.7	229.5	261.0
-60°	136.4	147.2	152.2	152.1	151.5	150.3	161.1	174.4	186.9	202.8	232.1
-62.5°	113.8	123.8	127.2	127.5	126.8	125.1	140.2	154.3	167.2	186.5	217.2
-65°	93.1	100.6	102.6	102.8	101.6	103.7	121.8	138.3	153.1	183.3	228.5
-67.5°	77.1	80.3	81.0	81.0	81.0	87.8	109.0	128.7	146.9	188.1	254.0
-70°	62.4	63.9	64.2	64.2	63.9	72.9	93.8	115.5	137.8	160.2	184.3
-72.5°	47.7	49.3	49.8	49.8	49.5	57.2	71.9	88.0	105.0	114.5	120.9
-75°	33.0	34.8	35.5	35.9	35.9	41.2	49.5	58.3	67.7	72.3	75.5
-77.5°	19.1	20.9	22.3	23.2	23.8	26.9	31.0	35.3	39.7	42.4	44.7
-80°	11.1	11.6	12.0	12.5	13.1	15.0	17.1	19.1	21.2	21.9	22.4
-82.5°	5.5	5.6	5.5	5.3	5.0	5.7	6.4	7.2	8.1	8.3	8.4
-85°	1.9	2.0	2.1	2.2	2.4	2.5	2.5	2.6	2.7	2.8	2.8
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.6
82.5°	8.6	8.6	8.7	8.7	8.7	8.6	8.6	8.4	8.3	8.1	7.2
80°	22.8	23.1	23.2	23.3	23.2	23.1	22.8	22.4	21.9	21.2	19.1
77.5°	46.9	49.0	46.6	43.7	46.6	49.0	46.9	44.7	42.4	39.7	35.3
75°	78.3	80.8	77.2	72.9	77.2	80.8	78.3	75.5	72.3	67.7	58.3
72.5°	126.8	132.3	132.3	131.2	132.3	132.3	126.8	120.9	114.5	105.0	88.0
70°	209.8	235.8	234.3	227.4	234.3	235.8	209.8	184.3	160.2	137.8	115.5
67.5°	325.4	400.0	424.4	437.2	424.4	400.0	325.4	254.0	188.1	146.9	128.7
65°	269.5	308.3	320.8	329.4	320.8	308.3	269.5	228.5	183.3	153.1	138.3
62.5°	245.5	272.2	277.4	276.9	277.4	272.2	245.5	217.2	186.5	167.2	154.3
60°	260.9	289.1	293.4	288.6	293.4	289.1	260.9	232.1	202.8	186.9	174.4
57.5°	291.8	321.8	329.4	326.5	329.4	321.8	291.8	261.0	229.5	213.7	199.0
55°	333.1	361.6	373.6	376.0	373.6	361.6	333.1	302.8	271.1	252.2	232.6
52.5°	386.3	414.9	425.4	422.6	425.4	414.9	386.3	355.5	324.9	302.1	277.9
50°	458.9	482.8	492.3	489.7	492.3	482.8	458.9	430.5	398.4	366.3	333.1
47.5°	521.8	538.4	546.9	548.0	546.9	538.4	521.8	501.2	472.0	438.3	405.8
45°	560.7	569.2	573.6	574.2	573.6	569.2	560.7	549.2	520.9	486.3	451.0
42.5°	590.1	607.4	619.8	620.9	619.8	607.4	590.1	574.6	548.7	516.4	479.1
40°	626.8	647.0	668.2	696.6	668.2	647.0	626.8	604.1	575.5	546.0	520.3
37.5°	665.9	696.5	729.0	766.6	729.0	696.5	665.9	639.6	614.4	578.5	557.7
35°	547.1	530.5	521.5	527.6	521.5	530.5	547.1	574.3	613.8	641.1	613.0
32.5°	505.8	506.6	504.6	504.3	504.6	506.6	505.8	502.7	498.4	523.3	584.9
30°	569.6	573.8	568.8	559.6	568.8	573.8	569.6	547.9	520.6	508.5	503.3
27.5°	704.0	725.1	731.5	722.9	731.5	725.1	704.0	660.3	600.1	563.1	522.3
25°	906.7	952.1	975.2	979.4	975.2	952.1	906.7	839.9	758.9	677.1	592.1
22.5°	1081.1	1108.9	1124.6	1125.1	1124.6	1108.9	1081.1	1038.8	957.3	841.3	728.6
20°	1259.4	1307.4	1328.5	1323.3	1328.5	1307.4	1259.4	1179.8	1107.2	1024.1	890.1
17.5°	1542.7	1643.3	1691.8	1696.4	1691.8	1643.3	1542.7	1396.8	1279.3	1149.2	1044.9
15°	1994.1	2229.3	2360.8	2378.5	2360.8	2229.3	1994.1	1738.6	1515.2	1322.6	1155.6
12.5°	2755.9	3315.5	3670.2	3719.3	3670.2	3315.5	2755.9	2261.9	1810.4	1523.9	1295.9
10°	4028.0	5831.8	6925.7	6978.0	6925.7	5831.8	4028.0	3095.3	2268.0	1749.2	1427.4
7.5°	7858.5	12806.5	20731.6	23977.1	20731.6	12806.5	7858.5	4092.3	2810.7	2037.6	1586.6
5°	16058.1	57136.0	111088.8	134234.9	111088.8	57136.0	16058.1	6487.3	3486.4	2315.8	1710.0
2.5°	29180.7	115058.5	239194.0	289580.2	239194.0	115058.5	29180.7	7995.0	3926.5	2475.4	1769.0
0°	31580.3	117512.7	262973.9	334449.0	262973.9	117512.7	31580.3	8377.1	4101.1	2544.6	1795.5
-2.5°	29180.7	115058.5	239194.0	289580.2	239194.0	115058.5	29180.7	7995.0	3926.5	2475.4	1769.0
-5°	16058.1	57136.0	111088.8	134234.9	111088.8	57136.0	16058.1	6487.3	3486.4	2315.8	1710.0
-7.5°	7858.5	12806.5	20731.6	23977.1	20731.6	12806.5	7858.5	4092.3	2810.7	2037.6	1586.6
-10°	4028.0	5831.8	6925.7	6978.0	6925.7	5831.8	4028.0	3095.3	2268.0	1749.2	1427.4
-12.5°	2755.9	3315.5	3670.2	3719.3	3670.2	3315.5	2755.9	2261.9	1810.4	1523.9	1295.9
-15°	1994.1	2229.3	2360.8	2378.5	2360.8	2229.3	1994.1	1738.6	1515.2	1322.6	1155.6
-17.5°	1542.7	1643.3	1691.8	1696.4	1691.8	1643.3	1542.7	1396.8	1279.3	1149.2	1044.9
-20°	1259.4	1307.4	1328.5	1323.3	1328.5	1307.4	1259.4	1179.8	1107.2	1024.1	890.1



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1081.1	1108.9	1124.6	1125.1	1124.6	1108.9	1081.1	1038.8	957.3	841.3	728.6
-25°	906.7	952.1	975.2	979.4	975.2	952.1	906.7	839.9	758.9	677.1	592.1
-27.5°	704.0	725.1	731.5	722.9	731.5	725.1	704.0	660.3	600.1	563.1	522.3
-30°	569.6	573.8	568.8	559.6	568.8	573.8	569.6	547.9	520.6	508.5	503.3
-32.5°	505.8	506.6	504.6	504.3	504.6	506.6	505.8	502.7	498.4	523.3	584.9
-35°	547.1	530.5	521.5	527.6	521.5	530.5	547.1	574.3	613.8	641.1	613.0
-37.5°	665.9	696.5	729.0	766.6	729.0	696.5	665.9	639.6	614.4	578.5	557.7
-40°	626.8	647.0	668.2	696.6	668.2	647.0	626.8	604.1	575.5	546.0	520.3
-42.5°	590.1	607.4	619.8	620.9	619.8	607.4	590.1	574.6	548.7	516.4	479.1
-45°	560.7	569.2	573.6	574.2	573.6	569.2	560.7	549.2	520.9	486.3	451.0
-47.5°	521.8	538.4	546.9	548.0	546.9	538.4	521.8	501.2	472.0	438.3	405.8
-50°	458.9	482.8	492.3	489.7	492.3	482.8	458.9	430.5	398.4	366.3	333.1
-52.5°	386.3	414.9	425.4	422.6	425.4	414.9	386.3	355.5	324.9	302.1	277.9
-55°	333.1	361.6	373.6	376.0	373.6	361.6	333.1	302.8	271.1	252.2	232.6
-57.5°	291.8	321.8	329.4	326.5	329.4	321.8	291.8	261.0	229.5	213.7	199.0
-60°	260.9	289.1	293.4	288.6	293.4	289.1	260.9	232.1	202.8	186.9	174.4
-62.5°	245.5	272.2	277.4	276.9	277.4	272.2	245.5	217.2	186.5	167.2	154.3
-65°	269.5	308.3	320.8	329.4	320.8	308.3	269.5	228.5	183.3	153.1	138.3
-67.5°	325.4	400.0	424.4	437.2	424.4	400.0	325.4	254.0	188.1	146.9	128.7
-70°	209.8	235.8	234.3	227.4	234.3	235.8	209.8	184.3	160.2	137.8	115.5
-72.5°	126.8	132.3	132.3	131.2	132.3	132.3	126.8	120.9	114.5	105.0	88.0
-75°	78.3	80.8	77.2	72.9	77.2	80.8	78.3	75.5	72.3	67.7	58.3
-77.5°	46.9	49.0	46.6	43.7	46.6	49.0	46.9	44.7	42.4	39.7	35.3
-80°	22.8	23.1	23.2	23.3	23.2	23.1	22.8	22.4	21.9	21.2	19.1
-82.5°	8.6	8.6	8.7	8.7	8.7	8.6	8.6	8.4	8.3	8.1	7.2
-85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.6
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.6	2.1
85°	2.5	2.5	2.4	2.2	2.1	2.0	1.9	2.0	2.2	2.5	2.9
82.5°	6.4	5.7	5.0	5.3	5.5	5.6	5.5	5.1	4.6	4.1	3.6
80°	17.1	15.0	13.1	12.5	12.0	11.6	11.1	10.3	9.3	8.4	7.7
77.5°	31.0	26.9	23.8	23.2	22.3	20.9	19.1	18.0	17.2	16.2	14.8
75°	49.5	41.2	35.9	35.9	35.5	34.8	33.0	30.0	27.3	25.0	23.0
72.5°	71.9	57.2	49.5	49.8	49.8	49.3	47.7	44.7	40.7	35.5	31.4
70°	93.8	72.9	63.9	64.2	64.2	63.9	62.4	60.2	57.7	53.8	47.1
67.5°	109.0	87.8	81.0	81.0	81.0	80.3	77.1	74.0	71.0	67.9	61.2
65°	121.8	103.7	101.6	102.8	102.6	100.6	93.1	87.6	83.3	79.4	72.5
62.5°	140.2	125.1	126.8	127.5	127.2	123.8	113.8	104.7	96.6	89.5	83.1
60°	161.1	150.3	151.5	152.1	152.2	147.2	136.4	124.6	111.9	104.5	96.3
57.5°	184.0	175.4	176.2	176.3	175.7	167.9	157.6	146.8	134.0	123.4	113.2
55°	212.5	205.4	204.1	201.9	198.7	188.2	177.2	165.6	154.4	144.9	133.1
52.5°	252.9	245.3	239.0	231.9	223.8	210.4	196.4	184.1	173.2	162.8	151.9
50°	304.8	294.3	282.6	270.8	255.5	236.4	219.5	203.8	192.2	180.8	168.6
47.5°	376.5	356.8	334.9	317.1	293.9	270.4	248.6	227.2	213.5	199.3	186.0
45°	431.4	419.0	403.6	374.4	339.4	310.5	282.9	259.3	237.0	219.9	203.8
42.5°	470.8	461.7	448.6	427.9	400.7	360.7	322.8	294.5	266.6	242.4	219.9
40°	506.4	493.7	481.7	466.2	443.2	416.2	376.5	333.5	300.7	269.1	236.1
37.5°	542.0	525.3	511.8	496.2	477.4	453.8	425.4	385.1	338.1	296.6	256.6
35°	581.4	560.0	544.7	527.0	507.3	484.0	459.6	428.8	383.1	327.2	279.2
32.5°	644.7	613.8	585.7	563.8	534.7	509.5	485.3	459.3	422.0	363.8	306.7
30°	534.2	618.9	641.7	603.3	564.2	532.5	506.9	481.2	447.3	401.7	335.0
27.5°	512.2	513.4	607.6	647.0	593.1	555.4	527.3	500.2	470.4	428.4	370.1
25°	547.6	520.3	520.0	605.3	635.3	579.2	549.0	519.3	487.9	452.5	414.7
22.5°	620.3	559.3	523.8	521.4	625.1	621.5	572.9	538.4	509.6	488.4	450.3
20°	750.2	625.9	556.9	527.6	556.6	662.3	600.6	564.8	544.9	523.6	485.4
17.5°	896.7	739.7	609.4	544.3	534.2	612.2	640.7	599.3	575.6	561.0	521.0
15°	1037.2	858.9	700.2	590.8	541.7	564.6	675.1	631.2	603.6	593.5	552.2
12.5°	1125.4	977.2	785.7	633.7	556.6	546.4	654.1	661.6	631.0	608.6	572.3
10°	1209.1	1062.1	871.8	700.7	591.0	553.2	625.9	689.5	651.6	620.4	587.6
7.5°	1301.6	1114.8	944.2	751.4	612.8	555.7	606.4	719.9	671.6	633.6	598.7
5°	1366.2	1150.3	988.4	776.5	620.3	554.3	590.2	750.8	690.5	647.2	606.4
2.5°	1399.4	1170.1	1012.9	788.4	620.3	551.7	581.1	780.8	715.6	653.1	607.0
0°	1413.7	1180.5	1023.1	792.8	617.9	550.9	583.0	807.4	743.3	655.8	606.3
-2.5°	1399.4	1170.1	1012.9	788.4	620.3	551.7	581.1	780.8	715.6	653.1	607.0
-5°	1366.2	1150.3	988.4	776.5	620.3	554.3	590.2	750.8	690.5	647.2	606.4
-7.5°	1301.6	1114.8	944.2	751.4	612.8	555.7	606.4	719.9	671.6	633.6	598.7
-10°	1209.1	1062.1	871.8	700.7	591.0	553.2	625.9	689.5	651.6	620.4	587.6
-12.5°	1125.4	977.2	785.7	633.7	556.6	546.4	654.1	661.6	631.0	608.6	572.3
-15°	1037.2	858.9	700.2	590.8	541.7	564.6	675.1	631.2	603.6	593.5	552.2
-17.5°	896.7	739.7	609.4	544.3	534.2	612.2	640.7	599.3	575.6	561.0	521.0
-20°	750.2	625.9	556.9	527.6	556.6	662.3	600.6	564.8	544.9	523.6	485.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	620.3	559.3	523.8	521.4	625.1	621.5	572.9	538.4	509.6	488.4	450.3
-25°	547.6	520.3	520.0	605.3	635.3	579.2	549.0	519.3	487.9	452.5	414.7
-27.5°	512.2	513.4	607.6	647.0	593.1	555.4	527.3	500.2	470.4	428.4	370.1
-30°	534.2	618.9	641.7	603.3	564.2	532.5	506.9	481.2	447.3	401.7	335.0
-32.5°	644.7	613.8	585.7	563.8	534.7	509.5	485.3	459.3	422.0	363.8	306.7
-35°	581.4	560.0	544.7	527.0	507.3	484.0	459.6	428.8	383.1	327.2	279.2
-37.5°	542.0	525.3	511.8	496.2	477.4	453.8	425.4	385.1	338.1	296.6	256.6
-40°	506.4	493.7	481.7	466.2	443.2	416.2	376.5	333.5	300.7	269.1	236.1
-42.5°	470.8	461.7	448.6	427.9	400.7	360.7	322.8	294.5	266.6	242.4	219.9
-45°	431.4	419.0	403.6	374.4	339.4	310.5	282.9	259.3	237.0	219.9	203.8
-47.5°	376.5	356.8	334.9	317.1	293.9	270.4	248.6	227.2	213.5	199.3	186.0
-50°	304.8	294.3	282.6	270.8	255.5	236.4	219.5	203.8	192.2	180.8	168.6
-52.5°	252.9	245.3	239.0	231.9	223.8	210.4	196.4	184.1	173.2	162.8	151.9
-55°	212.5	205.4	204.1	201.9	198.7	188.2	177.2	165.6	154.4	144.9	133.1
-57.5°	184.0	175.4	176.2	176.3	175.7	167.9	157.6	146.8	134.0	123.4	113.2
-60°	161.1	150.3	151.5	152.1	152.2	147.2	136.4	124.6	111.9	104.5	96.3
-62.5°	140.2	125.1	126.8	127.5	127.2	123.8	113.8	104.7	96.6	89.5	83.1
-65°	121.8	103.7	101.6	102.8	102.6	100.6	93.1	87.6	83.3	79.4	72.5
-67.5°	109.0	87.8	81.0	81.0	81.0	80.3	77.1	74.0	71.0	67.9	61.2
-70°	93.8	72.9	63.9	64.2	64.2	63.9	62.4	60.2	57.7	53.8	47.1
-72.5°	71.9	57.2	49.5	49.8	49.8	49.3	47.7	44.7	40.7	35.5	31.4
-75°	49.5	41.2	35.9	35.9	35.5	34.8	33.0	30.0	27.3	25.0	23.0
-77.5°	31.0	26.9	23.8	23.2	22.3	20.9	19.1	18.0	17.2	16.2	14.8
-80°	17.1	15.0	13.1	12.5	12.0	11.6	11.1	10.3	9.3	8.4	7.7
-82.5°	6.4	5.7	5.0	5.3	5.5	5.6	5.5	5.1	4.6	4.1	3.6
-85°	2.5	2.5	2.4	2.2	2.1	2.0	1.9	2.0	2.2	2.5	2.9
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.6	2.1
-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: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.7	2.4	2.2	2.0	1.7
82.5°	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.6
80°	6.9	6.2	5.4	4.6	3.8	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	13.0	11.0	9.0	8.0	7.4	6.5	5.3	3.8	2.9	2.9	2.9
75°	20.8	18.4	16.0	13.6	11.6	10.3	9.1	7.4	5.3	3.2	2.9
72.5°	29.2	26.6	23.5	19.7	16.7	14.2	12.6	11.0	8.6	6.1	3.6
70°	40.6	35.5	32.0	27.3	22.4	18.0	15.5	13.8	11.8	8.9	6.1
67.5°	54.0	46.6	40.7	34.8	29.0	23.6	18.5	16.6	14.7	11.8	8.6
65°	64.8	56.9	49.0	42.4	35.7	29.2	23.4	20.2	17.7	14.8	11.0
62.5°	75.5	66.8	58.3	50.1	42.6	35.3	28.5	25.5	21.3	18.0	13.9
60°	86.5	77.8	67.6	58.3	49.7	41.6	35.1	31.0	26.6	21.2	17.0
57.5°	103.1	90.1	77.8	66.6	56.7	47.7	42.1	37.4	32.0	25.9	20.1
55°	121.4	107.5	89.3	75.4	63.8	53.7	49.4	44.3	37.7	31.1	23.6
52.5°	139.7	122.8	103.4	85.2	71.4	61.0	57.5	51.3	44.3	36.3	28.6
50°	156.4	136.1	115.9	96.6	79.0	71.2	66.1	59.4	50.9	41.7	33.9
47.5°	168.8	147.9	126.8	106.8	88.0	82.2	76.3	68.0	57.6	47.8	39.5
45°	181.6	158.7	136.8	115.6	100.8	94.6	87.5	76.9	65.8	55.0	45.3
42.5°	194.0	169.8	146.3	123.4	114.2	107.1	99.4	87.6	74.2	62.5	51.7
40°	207.8	180.7	155.4	136.6	127.3	119.6	110.9	99.0	83.1	70.9	58.4
37.5°	221.3	192.3	164.9	151.5	140.2	131.3	122.1	110.7	94.4	80.3	65.4
35°	239.3	204.3	180.8	166.2	153.5	142.6	133.1	122.1	107.2	90.0	72.5
32.5°	257.0	221.3	198.6	180.5	166.4	153.6	143.5	136.1	120.3	99.8	79.7
30°	281.7	245.4	216.1	193.9	178.7	164.9	156.4	152.0	133.8	109.8	87.2
27.5°	314.7	269.2	234.0	208.7	190.6	176.4	173.9	169.8	147.4	120.3	95.4
25°	349.4	297.1	255.3	223.6	201.6	195.2	191.4	189.0	162.0	131.7	103.5
22.5°	389.2	325.8	276.1	237.8	221.6	213.3	208.6	204.8	177.6	142.9	111.5
20°	428.1	353.4	298.0	263.7	243.6	231.8	225.4	220.5	194.0	154.1	119.4
17.5°	464.6	386.8	330.7	291.6	266.2	250.3	241.7	236.0	210.9	165.1	127.1
15°	494.8	424.3	362.2	317.9	288.3	268.7	257.4	251.3	228.1	175.7	132.4
12.5°	520.7	457.1	391.6	342.8	309.9	286.8	272.7	266.4	245.3	182.3	134.9
10°	542.5	485.6	418.9	366.2	330.8	304.7	287.6	276.9	251.7	185.3	136.9
7.5°	560.5	510.1	444.1	388.2	347.9	313.6	289.7	278.1	255.5	187.5	138.5
5°	572.6	524.4	453.6	391.9	347.6	312.8	289.6	279.0	258.1	189.0	139.5
2.5°	571.5	525.8	452.3	391.9	346.2	311.2	289.2	279.6	259.4	189.6	140.0
0°	568.4	524.7	448.9	390.6	343.9	309.0	288.6	279.8	259.4	189.5	139.9
-2.5°	571.5	525.8	452.3	391.9	346.2	311.2	289.2	279.6	259.4	189.6	140.0
-5°	572.6	524.4	453.6	391.9	347.6	312.8	289.6	279.0	258.1	189.0	139.5
-7.5°	560.5	510.1	444.1	388.2	347.9	313.6	289.7	278.1	255.5	187.5	138.5
-10°	542.5	485.6	418.9	366.2	330.8	304.7	287.6	276.9	251.7	185.3	136.9
-12.5°	520.7	457.1	391.6	342.8	309.9	286.8	272.7	266.4	245.3	182.3	134.9
-15°	494.8	424.3	362.2	317.9	288.3	268.7	257.4	251.3	228.1	175.7	132.4
-17.5°	464.6	386.8	330.7	291.6	266.2	250.3	241.7	236.0	210.9	165.1	127.1
-20°	428.1	353.4	298.0	263.7	243.6	231.8	225.4	220.5	194.0	154.1	119.4

Classified

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Scaled Data Report



REPORT NUMBER: P624741 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	389.2	325.8	276.1	237.8	221.6	213.3	208.6	204.8	177.6	142.9	111.5
-25°	349.4	297.1	255.3	223.6	201.6	195.2	191.4	189.0	162.0	131.7	103.5
-27.5°	314.7	269.2	234.0	208.7	190.6	176.4	173.9	169.8	147.4	120.3	95.4
-30°	281.7	245.4	216.1	193.9	178.7	164.9	156.4	152.0	133.8	109.8	87.2
-32.5°	257.0	221.3	198.6	180.5	166.4	153.6	143.5	136.1	120.3	99.8	79.7
-35°	239.3	204.3	180.8	166.2	153.5	142.6	133.1	122.1	107.2	90.0	72.5
-37.5°	221.3	192.3	164.9	151.5	140.2	131.3	122.1	110.7	94.4	80.3	65.4
-40°	207.8	180.7	155.4	136.6	127.3	119.6	110.9	99.0	83.1	70.9	58.4
-42.5°	194.0	169.8	146.3	123.4	114.2	107.1	99.4	87.6	74.2	62.5	51.7
-45°	181.6	158.7	136.8	115.6	100.8	94.6	87.5	76.9	65.8	55.0	45.3
-47.5°	168.8	147.9	126.8	106.8	88.0	82.2	76.3	68.0	57.6	47.8	39.5
-50°	156.4	136.1	115.9	96.6	79.0	71.2	66.1	59.4	50.9	41.7	33.9
-52.5°	139.7	122.8	103.4	85.2	71.4	61.0	57.5	51.3	44.3	36.3	28.6
-55°	121.4	107.5	89.3	75.4	63.8	53.7	49.4	44.3	37.7	31.1	23.6
-57.5°	103.1	90.1	77.8	66.6	56.7	47.7	42.1	37.4	32.0	25.9	20.1
-60°	86.5	77.8	67.6	58.3	49.7	41.6	35.1	31.0	26.6	21.2	17.0
-62.5°	75.5	66.8	58.3	50.1	42.6	35.3	28.5	25.5	21.3	18.0	13.9
-65°	64.8	56.9	49.0	42.4	35.7	29.2	23.4	20.2	17.7	14.8	11.0
-67.5°	54.0	46.6	40.7	34.8	29.0	23.6	18.5	16.6	14.7	11.8	8.6
-70°	40.6	35.5	32.0	27.3	22.4	18.0	15.5	13.8	11.8	8.9	6.1
-72.5°	29.2	26.6	23.5	19.7	16.7	14.2	12.6	11.0	8.6	6.1	3.6
-75°	20.8	18.4	16.0	13.6	11.6	10.3	9.1	7.4	5.3	3.2	2.9
-77.5°	13.0	11.0	9.0	8.0	7.4	6.5	5.3	3.8	2.9	2.9	2.9
-80°	6.9	6.2	5.4	4.6	3.8	2.9	2.9	2.9	2.9	2.9	2.9
-82.5°	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.6
-85°	2.9	2.9	2.9	2.9	2.9	2.9	2.7	2.4	2.2	2.0	1.7
-87.5°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
80°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
77.5°	2.9	2.9	2.5	1.9	1.3	0.6	0.0
75°	2.9	2.9	2.9	2.2	1.5	0.8	0.0
72.5°	2.9	2.9	2.9	2.6	1.7	0.9	0.0
70°	3.2	2.9	2.9	2.9	2.0	1.0	0.0
67.5°	5.4	2.9	2.9	2.9	2.2	1.1	0.0
65°	7.6	3.9	2.9	2.9	2.4	1.2	0.0
62.5°	9.8	5.8	2.9	2.9	2.7	1.3	0.0
60°	12.0	7.7	2.9	2.9	2.9	1.4	0.0
57.5°	15.0	9.7	4.4	2.9	2.9	1.6	0.0
55°	18.2	11.6	6.0	2.9	2.9	1.7	0.0
52.5°	21.5	13.6	7.5	2.9	2.9	1.8	0.0
50°	24.8	16.5	9.1	2.9	2.9	1.9	0.0
47.5°	28.4	19.4	10.5	3.2	2.9	2.0	0.0
45°	33.5	22.3	12.0	4.3	2.9	2.1	0.0
42.5°	38.6	25.2	13.4	5.3	2.9	2.1	0.0
40°	43.8	28.1	15.3	6.4	2.9	2.2	0.0
37.5°	49.1	31.0	17.5	7.3	2.9	2.3	0.0
35°	54.4	34.8	19.7	8.2	2.9	2.4	0.0
32.5°	60.0	39.0	21.9	9.1	2.9	2.4	0.0
30°	65.7	43.1	24.0	9.9	2.9	2.5	0.0
27.5°	71.5	47.2	25.5	10.6	2.9	2.6	0.0
25°	77.2	51.1	26.7	11.3	2.9	2.6	0.0
22.5°	82.8	54.3	27.8	11.9	2.9	2.7	0.0
20°	88.2	55.4	28.7	12.5	2.9	2.7	0.0
17.5°	91.0	56.0	29.3	13.0	2.9	2.8	0.0
15°	92.0	56.2	29.8	13.4	2.9	2.8	0.0
12.5°	92.7	55.9	30.0	13.8	2.9	2.8	0.0
10°	93.1	55.3	30.2	14.1	2.9	2.9	0.0
7.5°	93.0	54.3	30.1	14.3	2.9	2.9	0.0
5°	92.6	53.0	29.9	14.5	2.9	2.9	0.0
2.5°	91.7	51.4	29.6	14.6	2.9	2.9	0.0
0°	90.4	49.6	29.1	14.6	2.9	2.9	0.0
-2.5°	91.7	51.4	29.6	14.6	2.9	2.9	0.0
-5°	92.6	53.0	29.9	14.5	2.9	2.9	0.0
-7.5°	93.0	54.3	30.1	14.3	2.9	2.9	0.0
-10°	93.1	55.3	30.2	14.1	2.9	2.9	0.0
-12.5°	92.7	55.9	30.0	13.8	2.9	2.8	0.0
-15°	92.0	56.2	29.8	13.4	2.9	2.8	0.0
-17.5°	91.0	56.0	29.3	13.0	2.9	2.8	0.0
-20°	88.2	55.4	28.7	12.5	2.9	2.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	82.8	54.3	27.8	11.9	2.9	2.7	0.0
-25°	77.2	51.1	26.7	11.3	2.9	2.6	0.0
-27.5°	71.5	47.2	25.5	10.6	2.9	2.6	0.0
-30°	65.7	43.1	24.0	9.9	2.9	2.5	0.0
-32.5°	60.0	39.0	21.9	9.1	2.9	2.4	0.0
-35°	54.4	34.8	19.7	8.2	2.9	2.4	0.0
-37.5°	49.1	31.0	17.5	7.3	2.9	2.3	0.0
-40°	43.8	28.1	15.3	6.4	2.9	2.2	0.0
-42.5°	38.6	25.2	13.4	5.3	2.9	2.1	0.0
-45°	33.5	22.3	12.0	4.3	2.9	2.1	0.0
-47.5°	28.4	19.4	10.5	3.2	2.9	2.0	0.0
-50°	24.8	16.5	9.1	2.9	2.9	1.9	0.0
-52.5°	21.5	13.6	7.5	2.9	2.9	1.8	0.0
-55°	18.2	11.6	6.0	2.9	2.9	1.7	0.0
-57.5°	15.0	9.7	4.4	2.9	2.9	1.6	0.0
-60°	12.0	7.7	2.9	2.9	2.9	1.4	0.0
-62.5°	9.8	5.8	2.9	2.9	2.7	1.3	0.0
-65°	7.6	3.9	2.9	2.9	2.4	1.2	0.0
-67.5°	5.4	2.9	2.9	2.9	2.2	1.1	0.0
-70°	3.2	2.9	2.9	2.9	2.0	1.0	0.0
-72.5°	2.9	2.9	2.9	2.6	1.7	0.9	0.0
-75°	2.9	2.9	2.9	2.2	1.5	0.8	0.0
-77.5°	2.9	2.9	2.5	1.9	1.3	0.6	0.0
-80°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
-85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-87.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)