

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: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-3000K-11**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624783 (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-08-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
Luminaire Lumens: 22286.3 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

NEMA Type: 1H x 1V
Max Intensity: 668868.2 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 8.3°H x 8.9°V
Beam Lumens: 10024.5 lumens
Beam Efficiency: 45.0%

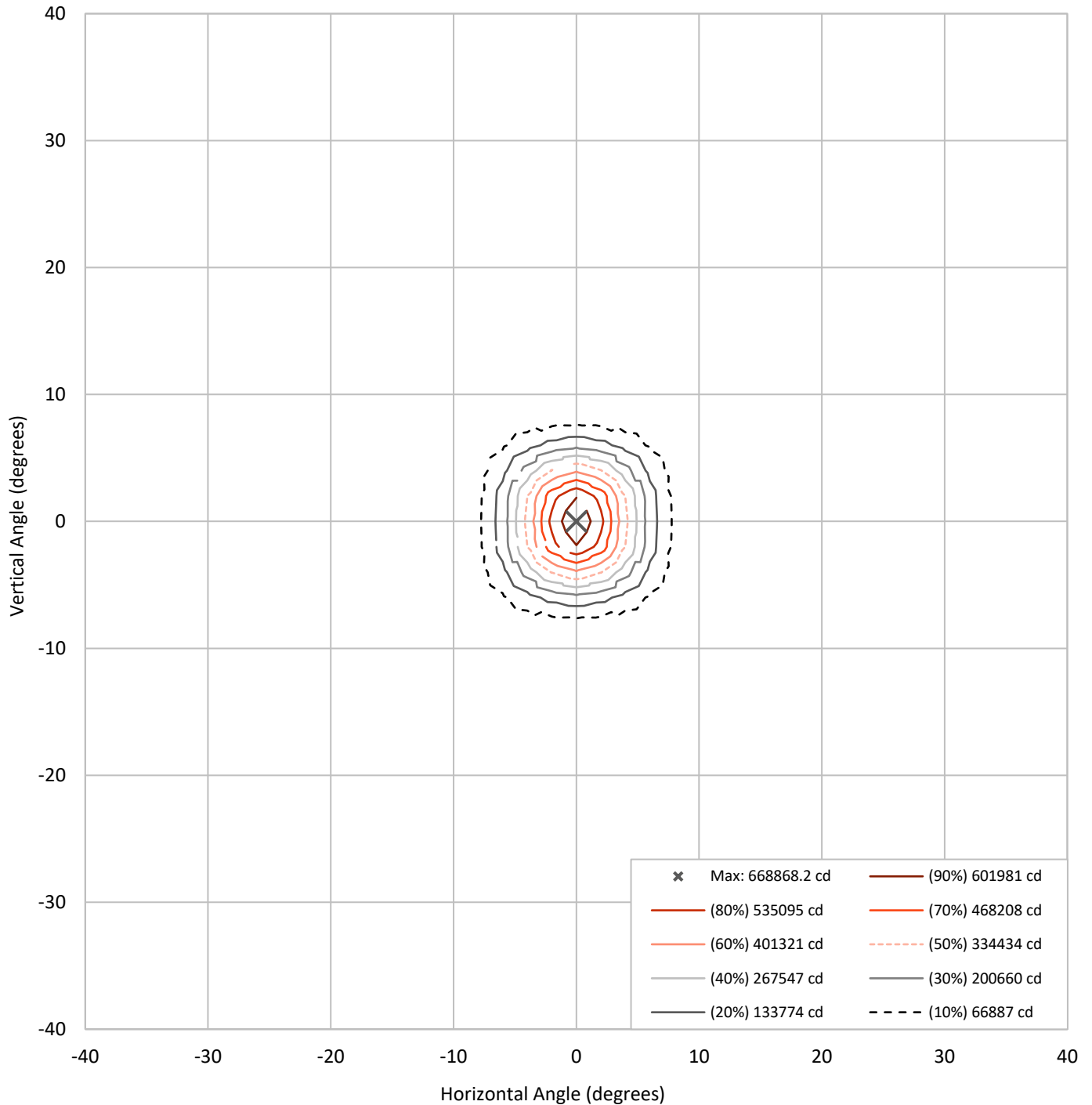
Field Angle (10%): 14.9°H x 14.6°V
Field Lumens: 15813 lumens
Field Efficiency: 71.0%

Input Watts (W): 327
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: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-11

Iso-Candela Plot





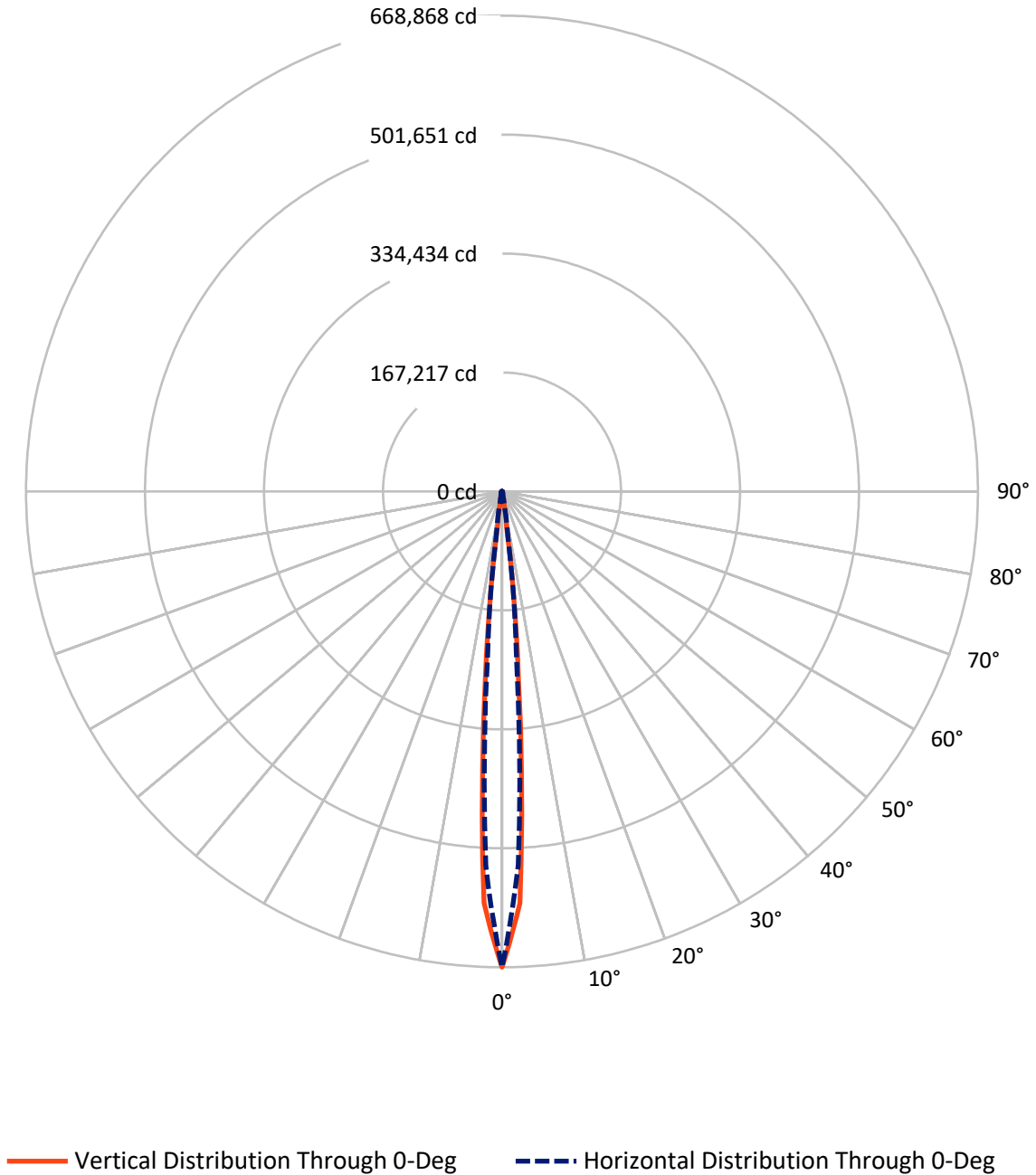
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Lumen Table

90	0.1	0.8	3.0	6.9	12.1	6.9	3.0	0.8	0.1							
80	0.1	0.8	3.0	6.9	12.1	6.9	3.0	0.8	0.1							
70	0.5	0.6	1.5	3.1	4.8	5.9	9.7	17.9	17.9	9.7	5.9	4.8	3.1	1.5	0.6	0.5
60		1.1	2.8	5.7	8.9	11.5	15.4	21.8	21.8	15.4	11.5	8.9	5.7	2.8	1.1	
50	1.6	2.0	4.2	8.7	14.5	21.5	27.9	34.3	34.3	27.9	21.5	14.5	8.7	4.2	2.0	1.6
40		3.1	5.9	12.4	22.4	30.1	33.4	35.6	35.6	33.4	30.1	22.4	12.4	5.9	3.1	
30	3.0	4.6	8.2	17.5	27.6	31.6	41.9	55.7	55.7	41.9	31.6	27.6	17.5	8.2	4.6	3.0
20		6.2	11.5	23.0	30.3	40.6	81.4	156.5	156.5	81.4	40.6	30.3	23.0	11.5	6.2	
10	3.5	7.0	14.0	26.1	31.7	53.4	162.2	4349.8	4349.8	162.2	53.4	31.7	26.1	14.0	7.0	3.5
0		7.0	14.0	26.1	31.7	53.4	162.2	4349.8	4349.8	162.2	53.4	31.7	26.1	14.0	7.0	
-10	3.0	6.2	11.5	23.0	30.3	40.6	81.4	156.5	156.5	81.4	40.6	30.3	23.0	11.5	6.2	3.0
-20		4.6	8.2	17.5	27.6	31.6	41.9	55.7	55.7	41.9	31.6	27.6	17.5	8.2	4.6	
-30	1.6	3.1	5.9	12.4	22.4	30.1	33.4	35.6	35.6	33.4	30.1	22.4	12.4	5.9	3.1	1.6
-40		2.0	4.2	8.7	14.5	21.5	27.9	34.3	34.3	27.9	21.5	14.5	8.7	4.2	2.0	
-50	0.5	1.1	2.8	5.7	8.9	11.5	15.4	21.8	21.8	15.4	11.5	8.9	5.7	2.8	1.1	0.5
-60		0.6	1.5	3.1	4.8	5.9	9.7	17.9	17.9	9.7	5.9	4.8	3.1	1.5	0.6	
-70	0.1	0.8	3.0	6.9	12.1	6.9	3.0	0.8	0.1							
-80		0.1	0.8	3.0	6.9	12.1	6.9	3.0	0.8	0.1						
-90	0.1	0.8	3.0	6.9	12.1	6.9	3.0	0.8	0.1							

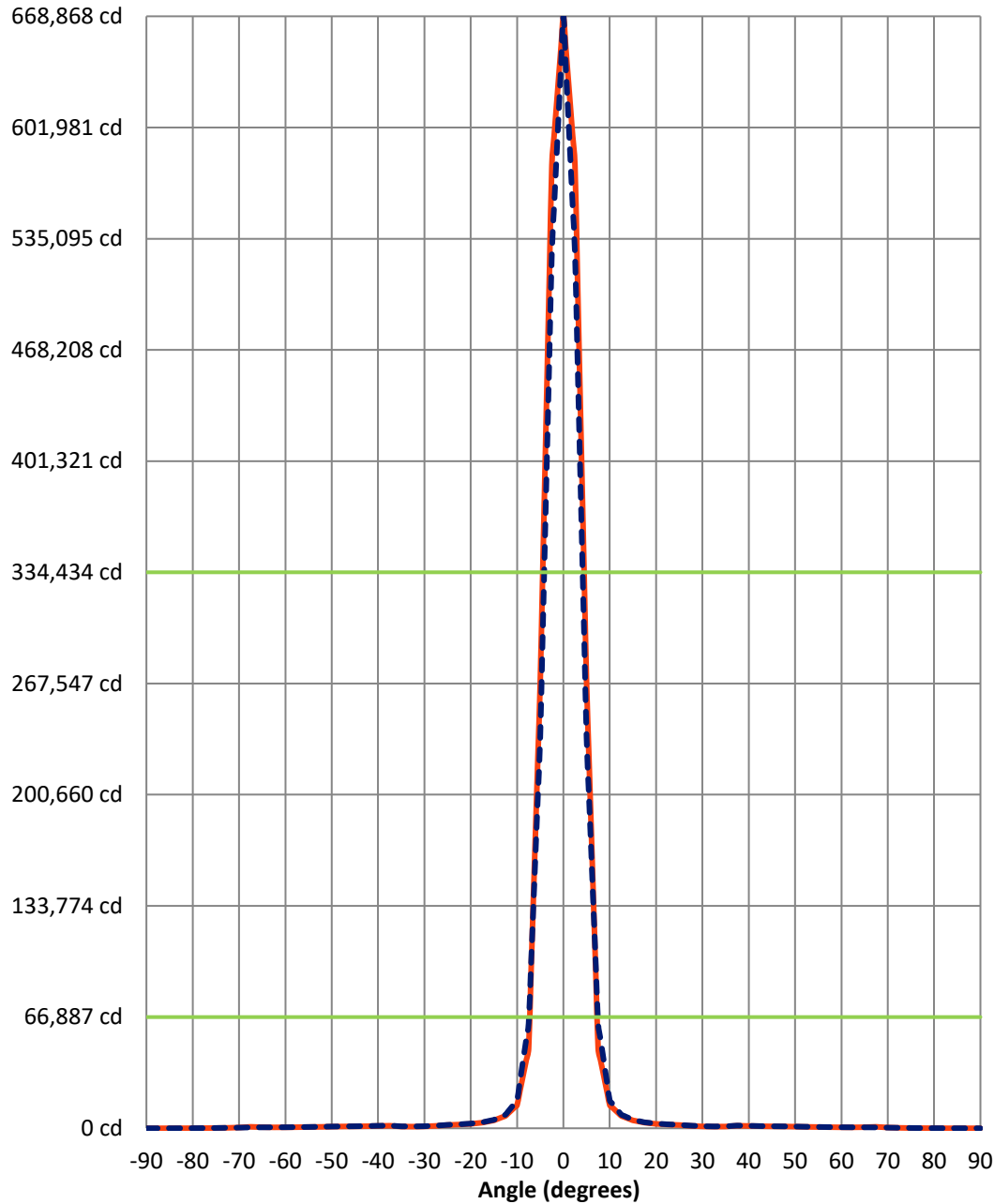
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 8.3°
 V Angle: 8.9°
 Lumens: 10024.5
 Efficiency: 45.0%

Field:
 H Angle: 14.9°
 V Angle: 14.6°
 Lumens: 15813
 Efficiency: 71.0%

Spill:
 Lumens: 6473.3
 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	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
85°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
82.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.8	5.8	5.8
80°	0.0	1.0	2.0	3.0	4.0	5.0	5.8	5.8	5.8	5.8	5.8
77.5°	0.0	1.3	2.5	3.8	5.0	5.8	5.8	5.8	5.8	5.8	7.5
75°	0.0	1.5	3.0	4.5	5.8	5.8	5.8	5.8	6.3	10.6	14.8
72.5°	0.0	1.7	3.5	5.2	5.8	5.8	5.8	7.1	12.1	17.1	21.9
70°	0.0	2.0	4.0	5.8	5.8	5.8	6.4	12.1	17.8	23.4	27.6
67.5°	0.0	2.2	4.4	5.8	5.8	5.8	10.8	17.1	23.5	29.3	33.2
65°	0.0	2.5	4.9	5.8	5.8	7.7	15.2	21.9	29.6	35.5	40.4
62.5°	0.0	2.7	5.4	5.8	5.8	11.6	19.6	27.6	36.0	42.7	51.1
60°	0.0	2.9	5.8	5.8	5.8	15.5	23.9	33.8	42.5	53.3	62.1
57.5°	0.0	3.1	5.8	5.8	8.8	19.3	30.0	40.3	51.9	64.1	74.8
55°	0.0	3.3	5.8	5.8	11.9	23.0	36.4	47.2	62.1	75.5	88.6
52.5°	0.0	3.5	5.8	5.8	15.0	27.1	42.9	57.1	72.5	88.6	102.6
50°	0.0	3.7	5.8	5.8	18.0	32.9	49.6	67.8	83.5	101.8	118.8
47.5°	0.0	3.9	5.8	6.3	21.0	38.7	56.8	79.0	95.6	115.2	136.0
45°	0.0	4.1	5.8	8.5	23.9	44.6	66.9	90.6	110.0	131.6	153.9
42.5°	0.0	4.3	5.8	10.7	26.8	50.4	77.2	103.3	125.1	148.5	175.3
40°	0.0	4.4	5.8	12.7	30.5	56.3	87.7	116.9	141.7	166.3	198.0
37.5°	0.0	4.6	5.8	14.6	35.0	62.1	98.3	130.8	160.7	189.0	221.5
35°	0.0	4.8	5.8	16.4	39.4	69.6	108.9	145.0	180.0	214.5	244.1
32.5°	0.0	4.9	5.8	18.1	43.7	78.0	120.0	159.4	199.7	240.7	272.1
30°	0.0	5.0	5.8	19.7	47.8	86.3	131.6	174.4	219.6	267.5	304.0
27.5°	0.0	5.1	5.8	21.2	50.9	94.4	143.1	190.7	240.7	294.8	339.5
25°	0.0	5.3	5.8	22.5	53.5	102.3	154.4	207.0	263.3	323.9	378.0
22.5°	0.0	5.4	5.8	23.8	55.6	108.6	165.6	223.1	285.9	355.2	409.6
20°	0.0	5.5	5.8	24.9	57.3	110.8	176.5	238.8	308.2	388.0	441.0
17.5°	0.0	5.5	5.8	25.8	58.6	112.0	182.1	254.2	330.1	421.8	472.0
15°	0.0	5.6	5.8	26.7	59.6	112.4	184.1	264.9	351.4	456.1	502.6
12.5°	0.0	5.7	5.8	27.4	60.1	111.9	185.4	269.7	364.6	490.5	532.8
10°	0.0	5.7	5.8	28.0	60.4	110.6	186.1	273.8	370.5	503.4	553.9
7.5°	0.0	5.8	5.8	28.5	60.3	108.6	186.0	276.9	375.0	511.0	556.2
5°	0.0	5.8	5.8	28.8	59.9	106.0	185.1	279.1	377.9	516.1	558.1
2.5°	0.0	5.8	5.8	29.0	59.2	102.8	183.4	280.1	379.2	518.7	559.2
0°	0.0	5.8	5.8	29.1	58.3	99.1	180.7	279.8	378.9	518.8	559.6
-2.5°	0.0	5.8	5.8	29.0	59.2	102.8	183.4	280.1	379.2	518.7	559.2
-5°	0.0	5.8	5.8	28.8	59.9	106.0	185.1	279.1	377.9	516.1	558.1
-7.5°	0.0	5.8	5.8	28.5	60.3	108.6	186.0	276.9	375.0	511.0	556.2
-10°	0.0	5.7	5.8	28.0	60.4	110.6	186.1	273.8	370.5	503.4	553.9
-12.5°	0.0	5.7	5.8	27.4	60.1	111.9	185.4	269.7	364.6	490.5	532.8
-15°	0.0	5.6	5.8	26.7	59.6	112.4	184.1	264.9	351.4	456.1	502.6
-17.5°	0.0	5.5	5.8	25.8	58.6	112.0	182.1	254.2	330.1	421.8	472.0
-20°	0.0	5.5	5.8	24.9	57.3	110.8	176.5	238.8	308.2	388.0	441.0

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CATALOG NUMBER: EPH-VN-08-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	5.4	5.8	23.8	55.6	108.6	165.6	223.1	285.9	355.2	409.6
-25°	0.0	5.3	5.8	22.5	53.5	102.3	154.4	207.0	263.3	323.9	378.0
-27.5°	0.0	5.1	5.8	21.2	50.9	94.4	143.1	190.7	240.7	294.8	339.5
-30°	0.0	5.0	5.8	19.7	47.8	86.3	131.6	174.4	219.6	267.5	304.0
-32.5°	0.0	4.9	5.8	18.1	43.7	78.0	120.0	159.4	199.7	240.7	272.1
-35°	0.0	4.8	5.8	16.4	39.4	69.6	108.9	145.0	180.0	214.5	244.1
-37.5°	0.0	4.6	5.8	14.6	35.0	62.1	98.3	130.8	160.7	189.0	221.5
-40°	0.0	4.4	5.8	12.7	30.5	56.3	87.7	116.9	141.7	166.3	198.0
-42.5°	0.0	4.3	5.8	10.7	26.8	50.4	77.2	103.3	125.1	148.5	175.3
-45°	0.0	4.1	5.8	8.5	23.9	44.6	66.9	90.6	110.0	131.6	153.9
-47.5°	0.0	3.9	5.8	6.3	21.0	38.7	56.8	79.0	95.6	115.2	136.0
-50°	0.0	3.7	5.8	5.8	18.0	32.9	49.6	67.8	83.5	101.8	118.8
-52.5°	0.0	3.5	5.8	5.8	15.0	27.1	42.9	57.1	72.5	88.6	102.6
-55°	0.0	3.3	5.8	5.8	11.9	23.0	36.4	47.2	62.1	75.5	88.6
-57.5°	0.0	3.1	5.8	5.8	8.8	19.3	30.0	40.3	51.9	64.1	74.8
-60°	0.0	2.9	5.8	5.8	5.8	15.5	23.9	33.8	42.5	53.3	62.1
-62.5°	0.0	2.7	5.4	5.8	5.8	11.6	19.6	27.6	36.0	42.7	51.1
-65°	0.0	2.5	4.9	5.8	5.8	7.7	15.2	21.9	29.6	35.5	40.4
-67.5°	0.0	2.2	4.4	5.8	5.8	5.8	10.8	17.1	23.5	29.3	33.2
-70°	0.0	2.0	4.0	5.8	5.8	5.8	6.4	12.1	17.8	23.4	27.6
-72.5°	0.0	1.7	3.5	5.2	5.8	5.8	5.8	7.1	12.1	17.1	21.9
-75°	0.0	1.5	3.0	4.5	5.8	5.8	5.8	5.8	6.3	10.6	14.8
-77.5°	0.0	1.3	2.5	3.8	5.0	5.8	5.8	5.8	5.8	5.8	7.5
-80°	0.0	1.0	2.0	3.0	4.0	5.0	5.8	5.8	5.8	5.8	5.8
-82.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.8	5.8	5.8
-85°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
-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°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	3.2	2.2	1.2
85°	5.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.1	4.5	4.0
82.5°	5.8	5.8	5.8	5.8	5.8	5.8	6.1	7.2	8.2	9.3	10.2
80°	5.8	5.8	7.7	9.2	10.8	12.4	13.9	15.4	16.8	18.7	20.7
77.5°	10.6	13.0	14.9	16.1	18.2	22.1	26.0	29.6	32.5	34.5	36.0
75°	18.1	20.5	23.3	27.3	32.1	36.9	41.5	46.0	50.0	54.5	59.9
72.5°	25.1	28.5	33.3	39.5	47.0	53.2	58.4	62.7	71.0	81.3	89.4
70°	30.9	36.1	44.7	54.7	64.0	71.0	81.2	94.1	107.7	115.5	120.3
67.5°	37.1	47.1	58.0	69.6	81.4	93.1	108.0	122.4	135.8	142.0	147.9
65°	46.9	58.4	71.4	84.7	97.8	113.7	129.6	145.1	158.8	166.6	175.0
62.5°	57.0	70.7	85.2	100.2	116.5	133.7	151.0	166.2	179.0	193.2	209.3
60°	70.2	83.1	99.3	116.6	135.2	155.6	173.1	192.5	208.8	223.6	249.2
57.5°	84.2	95.5	113.3	133.2	155.7	180.3	206.2	226.4	246.7	268.0	293.6
55°	98.9	107.3	127.6	150.9	178.6	215.1	242.8	266.2	289.7	308.8	331.2
52.5°	115.0	122.1	142.7	170.4	206.8	245.7	279.3	303.7	325.4	346.3	368.2
50°	132.2	142.4	157.9	193.2	231.8	272.1	312.7	337.1	361.6	384.3	407.6
47.5°	152.6	164.4	176.1	213.5	253.6	295.7	337.6	372.0	398.6	427.0	454.4
45°	175.0	189.1	201.6	231.2	273.5	317.3	363.2	407.6	439.9	474.0	518.5
42.5°	198.8	214.3	228.4	246.8	292.4	339.6	388.2	439.8	484.8	533.2	588.9
40°	221.7	239.1	254.6	273.2	310.8	361.4	415.6	472.2	538.1	601.3	667.0
37.5°	244.2	262.5	280.5	302.9	329.7	384.6	442.5	513.2	593.2	676.2	770.1
35°	266.3	285.2	307.1	332.4	361.6	408.5	478.6	558.4	654.4	766.2	857.6
32.5°	287.0	307.2	332.7	360.9	397.2	442.6	513.9	613.5	727.7	843.9	918.6
30°	312.8	329.9	357.5	387.7	432.1	490.7	563.4	670.0	803.4	894.5	962.2
27.5°	347.9	352.8	381.1	417.3	468.0	538.4	629.4	740.1	856.8	940.7	1000.3
25°	382.8	390.4	403.2	447.2	510.6	594.3	698.8	829.2	904.9	975.7	1038.5
22.5°	417.3	426.6	443.2	475.7	552.2	651.6	778.4	900.5	976.7	1019.1	1076.7
20°	450.9	463.7	487.2	527.4	596.0	706.7	856.1	970.6	1047.1	1089.7	1129.5
17.5°	483.4	500.6	532.4	583.1	661.4	773.4	929.0	1042.1	1121.9	1151.2	1198.5
15°	514.9	537.3	576.7	635.9	724.4	848.4	989.4	1104.3	1186.9	1207.2	1262.3
12.5°	545.4	573.6	619.7	685.6	783.2	914.1	1041.4	1144.5	1217.2	1261.9	1323.1
10°	575.1	609.3	661.5	732.4	837.8	971.1	1084.9	1175.1	1240.7	1303.1	1379.0
7.5°	579.4	627.2	695.7	776.4	888.2	1020.1	1120.9	1197.3	1267.1	1343.1	1439.8
5°	579.2	625.6	695.1	783.8	907.1	1048.6	1145.3	1212.7	1294.4	1380.8	1501.6
2.5°	578.4	622.4	692.5	783.8	904.6	1051.5	1142.9	1213.9	1306.2	1431.1	1561.5
0°	577.1	617.9	687.9	781.1	897.7	1049.3	1136.7	1212.5	1311.6	1486.5	1614.7
-2.5°	578.4	622.4	692.5	783.8	904.6	1051.5	1142.9	1213.9	1306.2	1431.1	1561.5
-5°	579.2	625.6	695.1	783.8	907.1	1048.6	1145.3	1212.7	1294.4	1380.8	1501.6
-7.5°	579.4	627.2	695.7	776.4	888.2	1020.1	1120.9	1197.3	1267.1	1343.1	1439.8
-10°	575.1	609.3	661.5	732.4	837.8	971.1	1084.9	1175.1	1240.7	1303.1	1379.0
-12.5°	545.4	573.6	619.7	685.6	783.2	914.1	1041.4	1144.5	1217.2	1261.9	1323.1
-15°	514.9	537.3	576.7	635.9	724.4	848.4	989.4	1104.3	1186.9	1207.2	1262.3
-17.5°	483.4	500.6	532.4	583.1	661.4	773.4	929.0	1042.1	1121.9	1151.2	1198.5
-20°	450.9	463.7	487.2	527.4	596.0	706.7	856.1	970.6	1047.1	1089.7	1129.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	417.3	426.6	443.2	475.7	552.2	651.6	778.4	900.5	976.7	1019.1	1076.7
-25°	382.8	390.4	403.2	447.2	510.6	594.3	698.8	829.2	904.9	975.7	1038.5
-27.5°	347.9	352.8	381.1	417.3	468.0	538.4	629.4	740.1	856.8	940.7	1000.3
-30°	312.8	329.9	357.5	387.7	432.1	490.7	563.4	670.0	803.4	894.5	962.2
-32.5°	287.0	307.2	332.7	360.9	397.2	442.6	513.9	613.5	727.7	843.9	918.6
-35°	266.3	285.2	307.1	332.4	361.6	408.5	478.6	558.4	654.4	766.2	857.6
-37.5°	244.2	262.5	280.5	302.9	329.7	384.6	442.5	513.2	593.2	676.2	770.1
-40°	221.7	239.1	254.6	273.2	310.8	361.4	415.6	472.2	538.1	601.3	667.0
-42.5°	198.8	214.3	228.4	246.8	292.4	339.6	388.2	439.8	484.8	533.2	588.9
-45°	175.0	189.1	201.6	231.2	273.5	317.3	363.2	407.6	439.9	474.0	518.5
-47.5°	152.6	164.4	176.1	213.5	253.6	295.7	337.6	372.0	398.6	427.0	454.4
-50°	132.2	142.4	157.9	193.2	231.8	272.1	312.7	337.1	361.6	384.3	407.6
-52.5°	115.0	122.1	142.7	170.4	206.8	245.7	279.3	303.7	325.4	346.3	368.2
-55°	98.9	107.3	127.6	150.9	178.6	215.1	242.8	266.2	289.7	308.8	331.2
-57.5°	84.2	95.5	113.3	133.2	155.7	180.3	206.2	226.4	246.7	268.0	293.6
-60°	70.2	83.1	99.3	116.6	135.2	155.6	173.1	192.5	208.8	223.6	249.2
-62.5°	57.0	70.7	85.2	100.2	116.5	133.7	151.0	166.2	179.0	193.2	209.3
-65°	46.9	58.4	71.4	84.7	97.8	113.7	129.6	145.1	158.8	166.6	175.0
-67.5°	37.1	47.1	58.0	69.6	81.4	93.1	108.0	122.4	135.8	142.0	147.9
-70°	30.9	36.1	44.7	54.7	64.0	71.0	81.2	94.1	107.7	115.5	120.3
-72.5°	25.1	28.5	33.3	39.5	47.0	53.2	58.4	62.7	71.0	81.3	89.4
-75°	18.1	20.5	23.3	27.3	32.1	36.9	41.5	46.0	50.0	54.5	59.9
-77.5°	10.6	13.0	14.9	16.1	18.2	22.1	26.0	29.6	32.5	34.5	36.0
-80°	5.8	5.8	7.7	9.2	10.8	12.4	13.9	15.4	16.8	18.7	20.7
-82.5°	5.8	5.8	5.8	5.8	5.8	5.8	6.1	7.2	8.2	9.3	10.2
-85°	5.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.1	4.5	4.0
-87.5°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	3.2	2.2	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



REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	3.7	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.4	5.5	5.6
82.5°	11.1	11.3	11.1	10.7	10.1	11.4	12.9	14.5	16.2	16.7	17.0
80°	22.3	23.2	24.1	25.1	26.3	30.0	34.1	38.3	42.4	43.8	44.8
77.5°	38.3	41.8	44.6	46.5	47.6	53.8	62.0	70.6	79.4	84.8	89.4
75°	65.9	69.6	71.0	71.8	71.8	82.4	98.9	116.7	135.3	144.7	151.0
72.5°	95.4	98.5	99.5	99.6	99.0	114.4	143.8	175.9	210.0	229.0	241.7
70°	124.7	127.8	128.3	128.3	127.8	145.9	187.6	231.0	275.7	320.4	368.5
67.5°	154.2	160.5	161.9	162.0	161.9	175.5	218.1	257.3	293.8	376.2	507.9
65°	186.2	201.2	205.1	205.6	203.2	207.3	243.7	276.5	306.2	366.5	456.9
62.5°	227.5	247.6	254.4	254.9	253.5	250.3	280.4	308.5	334.4	373.0	434.5
60°	272.8	294.4	304.3	304.2	303.0	300.5	322.2	348.8	373.8	405.6	464.3
57.5°	315.2	335.8	351.5	352.6	352.4	350.9	367.9	398.1	427.4	459.0	522.1
55°	354.3	376.4	397.5	403.7	408.0	410.6	424.9	465.2	504.4	542.2	605.6
52.5°	392.9	420.7	447.6	463.7	478.0	490.7	505.9	555.7	604.1	649.8	710.9
50°	439.0	472.6	511.0	541.7	565.2	588.6	609.5	666.1	732.6	796.8	861.0
47.5°	497.1	540.8	587.8	634.1	669.8	713.4	753.0	811.5	876.6	944.0	1002.4
45°	565.7	621.0	678.8	748.8	807.2	837.9	862.8	901.9	972.5	1041.7	1098.4
42.5°	645.5	721.2	801.4	855.8	897.2	923.4	941.5	958.1	1032.8	1097.4	1149.1
40°	752.8	832.2	886.3	932.4	963.4	987.4	1012.7	1040.5	1091.9	1151.0	1208.1
37.5°	850.7	907.5	954.7	992.3	1023.6	1050.4	1083.8	1115.4	1156.9	1228.8	1279.2
35°	919.1	967.8	1014.6	1053.9	1089.2	1119.9	1162.6	1225.8	1282.1	1227.6	1148.5
32.5°	970.6	1018.9	1069.3	1127.5	1171.3	1227.6	1289.4	1169.6	1046.6	996.7	1005.3
30°	1013.8	1065.0	1128.4	1206.5	1283.3	1237.7	1068.4	1006.7	1016.9	1041.2	1095.7
27.5°	1054.5	1110.7	1186.2	1294.0	1215.2	1026.9	1024.3	1044.6	1126.2	1200.1	1320.7
25°	1098.0	1158.4	1270.7	1210.6	1039.9	1040.6	1095.1	1184.2	1354.2	1517.8	1679.8
22.5°	1145.7	1243.0	1250.3	1042.8	1047.6	1118.5	1240.6	1457.2	1682.6	1914.5	2077.5
20°	1201.2	1324.5	1113.3	1055.2	1113.7	1251.8	1500.3	1780.3	2048.2	2214.5	2359.5
17.5°	1281.4	1224.3	1068.5	1088.6	1218.9	1479.5	1793.3	2089.8	2298.3	2558.6	2793.3
15°	1350.2	1129.1	1083.4	1181.6	1400.4	1717.8	2074.4	2311.0	2645.0	3030.1	3477.0
12.5°	1308.1	1092.7	1113.2	1267.3	1571.4	1954.3	2250.7	2591.6	3047.6	3620.6	4523.6
10°	1251.8	1106.4	1182.0	1401.4	1743.6	2124.2	2418.1	2854.7	3498.4	4535.8	6190.3
7.5°	1212.8	1111.3	1225.6	1502.8	1888.2	2229.4	2603.2	3173.0	4075.0	5621.2	8184.4
5°	1180.3	1108.5	1240.4	1553.0	1976.6	2300.4	2732.4	3419.8	4631.3	6972.4	12974.0
2.5°	1162.0	1103.3	1240.5	1576.8	2025.7	2340.0	2798.7	3537.8	4950.6	7852.6	15989.3
0°	1165.9	1101.7	1235.8	1585.6	2046.1	2360.9	2827.2	3590.9	5089.0	8201.9	16753.5
-2.5°	1162.0	1103.3	1240.5	1576.8	2025.7	2340.0	2798.7	3537.8	4950.6	7852.6	15989.3
-5°	1180.3	1108.5	1240.4	1553.0	1976.6	2300.4	2732.4	3419.8	4631.3	6972.4	12974.0
-7.5°	1212.8	1111.3	1225.6	1502.8	1888.2	2229.4	2603.2	3173.0	4075.0	5621.2	8184.4
-10°	1251.8	1106.4	1182.0	1401.4	1743.6	2124.2	2418.1	2854.7	3498.4	4535.8	6190.3
-12.5°	1308.1	1092.7	1113.2	1267.3	1571.4	1954.3	2250.7	2591.6	3047.6	3620.6	4523.6
-15°	1350.2	1129.1	1083.4	1181.6	1400.4	1717.8	2074.4	2311.0	2645.0	3030.1	3477.0
-17.5°	1281.4	1224.3	1068.5	1088.6	1218.9	1479.5	1793.3	2089.8	2298.3	2558.6	2793.3
-20°	1201.2	1324.5	1113.3	1055.2	1113.7	1251.8	1500.3	1780.3	2048.2	2214.5	2359.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	1145.7	1243.0	1250.3	1042.8	1047.6	1118.5	1240.6	1457.2	1682.6	1914.5	2077.5
-25°	1098.0	1158.4	1270.7	1210.6	1039.9	1040.6	1095.1	1184.2	1354.2	1517.8	1679.8
-27.5°	1054.5	1110.7	1186.2	1294.0	1215.2	1026.9	1024.3	1044.6	1126.2	1200.1	1320.7
-30°	1013.8	1065.0	1128.4	1206.5	1283.3	1237.7	1068.4	1006.7	1016.9	1041.2	1095.7
-32.5°	970.6	1018.9	1069.3	1127.5	1171.3	1227.6	1289.4	1169.6	1046.6	996.7	1005.3
-35°	919.1	967.8	1014.6	1053.9	1089.2	1119.9	1162.6	1225.8	1282.1	1227.6	1148.5
-37.5°	850.7	907.5	954.7	992.3	1023.6	1050.4	1083.8	1115.4	1156.9	1228.8	1279.2
-40°	752.8	832.2	886.3	932.4	963.4	987.4	1012.7	1040.5	1091.9	1151.0	1208.1
-42.5°	645.5	721.2	801.4	855.8	897.2	923.4	941.5	958.1	1032.8	1097.4	1149.1
-45°	565.7	621.0	678.8	748.8	807.2	837.9	862.8	901.9	972.5	1041.7	1098.4
-47.5°	497.1	540.8	587.8	634.1	669.8	713.4	753.0	811.5	876.6	944.0	1002.4
-50°	439.0	472.6	511.0	541.7	565.2	588.6	609.5	666.1	732.6	796.8	861.0
-52.5°	392.9	420.7	447.6	463.7	478.0	490.7	505.9	555.7	604.1	649.8	710.9
-55°	354.3	376.4	397.5	403.7	408.0	410.6	424.9	465.2	504.4	542.2	605.6
-57.5°	315.2	335.8	351.5	352.6	352.4	350.9	367.9	398.1	427.4	459.0	522.1
-60°	272.8	294.4	304.3	304.2	303.0	300.5	322.2	348.8	373.8	405.6	464.3
-62.5°	227.5	247.6	254.4	254.9	253.5	250.3	280.4	308.5	334.4	373.0	434.5
-65°	186.2	201.2	205.1	205.6	203.2	207.3	243.7	276.5	306.2	366.5	456.9
-67.5°	154.2	160.5	161.9	162.0	161.9	175.5	218.1	257.3	293.8	376.2	507.9
-70°	124.7	127.8	128.3	128.3	127.8	145.9	187.6	231.0	275.7	320.4	368.5
-72.5°	95.4	98.5	99.5	99.6	99.0	114.4	143.8	175.9	210.0	229.0	241.7
-75°	65.9	69.6	71.0	71.8	71.8	82.4	98.9	116.7	135.3	144.7	151.0
-77.5°	38.3	41.8	44.6	46.5	47.6	53.8	62.0	70.6	79.4	84.8	89.4
-80°	22.3	23.2	24.1	25.1	26.3	30.0	34.1	38.3	42.4	43.8	44.8
-82.5°	11.1	11.3	11.1	10.7	10.1	11.4	12.9	14.5	16.2	16.7	17.0
-85°	3.7	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.4	5.5	5.6
-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: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.6	5.5	5.4	5.3
82.5°	17.2	17.4	17.5	17.5	17.5	17.4	17.2	17.0	16.7	16.2	14.5
80°	45.6	46.2	46.5	46.6	46.5	46.2	45.6	44.8	43.8	42.4	38.3
77.5°	93.8	97.9	93.2	87.4	93.2	97.9	93.8	89.4	84.8	79.4	70.6
75°	156.6	161.5	154.4	145.7	154.4	161.5	156.6	151.0	144.7	135.3	116.7
72.5°	253.6	264.5	264.6	262.3	264.6	264.5	253.6	241.7	229.0	210.0	175.9
70°	419.5	471.5	468.6	454.7	468.6	471.5	419.5	368.5	320.4	275.7	231.0
67.5°	650.9	800.0	848.9	874.4	848.9	800.0	650.9	507.9	376.2	293.8	257.3
65°	539.0	616.5	641.6	658.7	641.6	616.5	539.0	456.9	366.5	306.2	276.5
62.5°	491.0	544.5	554.8	553.8	554.8	544.5	491.0	434.5	373.0	334.4	308.5
60°	521.8	578.2	586.8	577.1	586.8	578.2	521.8	464.3	405.6	373.8	348.8
57.5°	583.6	643.4	658.8	652.9	658.8	643.4	583.6	522.1	459.0	427.4	398.1
55°	666.2	723.2	747.1	752.0	747.1	723.2	666.2	605.6	542.2	504.4	465.2
52.5°	772.5	829.8	850.9	845.3	850.9	829.8	772.5	710.9	649.8	604.1	555.7
50°	917.8	965.6	984.5	979.3	984.5	965.6	917.8	861.0	796.8	732.6	666.1
47.5°	1043.5	1076.7	1093.7	1095.9	1093.7	1076.7	1043.5	1002.4	944.0	876.6	811.5
45°	1121.4	1138.4	1147.3	1148.4	1147.3	1138.4	1121.4	1098.4	1041.7	972.5	901.9
42.5°	1180.1	1214.7	1239.4	1241.6	1239.4	1214.7	1180.1	1149.1	1097.4	1032.8	958.1
40°	1253.6	1293.8	1336.3	1393.2	1336.3	1293.8	1253.6	1208.1	1151.0	1091.9	1040.5
37.5°	1331.8	1392.9	1457.8	1533.1	1457.8	1392.9	1331.8	1279.2	1228.8	1156.9	1115.4
35°	1094.2	1061.0	1043.1	1055.1	1043.1	1061.0	1094.2	1148.5	1227.6	1282.1	1225.8
32.5°	1011.6	1013.1	1009.2	1008.5	1009.2	1013.1	1011.6	1005.3	996.7	1046.6	1169.6
30°	1139.1	1147.6	1137.4	1119.2	1137.4	1147.6	1139.1	1095.7	1041.2	1016.9	1006.7
27.5°	1407.9	1450.1	1463.0	1445.7	1463.0	1450.1	1407.9	1320.7	1200.1	1126.2	1044.6
25°	1813.2	1904.0	1950.4	1958.7	1950.4	1904.0	1813.2	1679.8	1517.8	1354.2	1184.2
22.5°	2162.1	2217.7	2249.3	2250.1	2249.3	2217.7	2162.1	2077.5	1914.5	1682.6	1457.2
20°	2518.6	2614.8	2656.9	2646.5	2656.9	2614.8	2518.6	2359.5	2214.5	2048.2	1780.3
17.5°	3085.3	3286.4	3383.4	3392.7	3383.4	3286.4	3085.3	2793.3	2558.6	2298.3	2089.8
15°	3988.0	4458.4	4721.6	4756.7	4721.6	4458.4	3988.0	3477.0	3030.1	2645.0	2311.0
12.5°	5511.6	6630.7	7340.0	7438.2	7340.0	6630.7	5511.6	4523.6	3620.6	3047.6	2591.6
10°	8055.6	11663.2	13850.7	13955.4	13850.7	11663.2	8055.6	6190.3	4535.8	3498.4	2854.7
7.5°	15716.3	25611.8	41461.4	47952.1	41461.4	25611.8	15716.3	8184.4	5621.2	4075.0	3173.0
5°	32114.8	114266.7	222167.7	268457.8	222167.7	114266.7	32114.8	12974.0	6972.4	4631.3	3419.8
2.5°	58358.8	230106.6	478366.8	579134.6	478366.8	230106.6	58358.8	15989.3	7852.6	4950.6	3537.8
0°	63157.8	235015.0	525924.4	668868.2	525924.4	235015.0	63157.8	16753.5	8201.9	5089.0	3590.9
-2.5°	58358.8	230106.6	478366.8	579134.6	478366.8	230106.6	58358.8	15989.3	7852.6	4950.6	3537.8
-5°	32114.8	114266.7	222167.7	268457.8	222167.7	114266.7	32114.8	12974.0	6972.4	4631.3	3419.8
-7.5°	15716.3	25611.8	41461.4	47952.1	41461.4	25611.8	15716.3	8184.4	5621.2	4075.0	3173.0
-10°	8055.6	11663.2	13850.7	13955.4	13850.7	11663.2	8055.6	6190.3	4535.8	3498.4	2854.7
-12.5°	5511.6	6630.7	7340.0	7438.2	7340.0	6630.7	5511.6	4523.6	3620.6	3047.6	2591.6
-15°	3988.0	4458.4	4721.6	4756.7	4721.6	4458.4	3988.0	3477.0	3030.1	2645.0	2311.0
-17.5°	3085.3	3286.4	3383.4	3392.7	3383.4	3286.4	3085.3	2793.3	2558.6	2298.3	2089.8
-20°	2518.6	2614.8	2656.9	2646.5	2656.9	2614.8	2518.6	2359.5	2214.5	2048.2	1780.3



REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	2162.1	2217.7	2249.3	2250.1	2249.3	2217.7	2162.1	2077.5	1914.5	1682.6	1457.2
-25°	1813.2	1904.0	1950.4	1958.7	1950.4	1904.0	1813.2	1679.8	1517.8	1354.2	1184.2
-27.5°	1407.9	1450.1	1463.0	1445.7	1463.0	1450.1	1407.9	1320.7	1200.1	1126.2	1044.6
-30°	1139.1	1147.6	1137.4	1119.2	1137.4	1147.6	1139.1	1095.7	1041.2	1016.9	1006.7
-32.5°	1011.6	1013.1	1009.2	1008.5	1009.2	1013.1	1011.6	1005.3	996.7	1046.6	1169.6
-35°	1094.2	1061.0	1043.1	1055.1	1043.1	1061.0	1094.2	1148.5	1227.6	1282.1	1225.8
-37.5°	1331.8	1392.9	1457.8	1533.1	1457.8	1392.9	1331.8	1279.2	1228.8	1156.9	1115.4
-40°	1253.6	1293.8	1336.3	1393.2	1336.3	1293.8	1253.6	1208.1	1151.0	1091.9	1040.5
-42.5°	1180.1	1214.7	1239.4	1241.6	1239.4	1214.7	1180.1	1149.1	1097.4	1032.8	958.1
-45°	1121.4	1138.4	1147.3	1148.4	1147.3	1138.4	1121.4	1098.4	1041.7	972.5	901.9
-47.5°	1043.5	1076.7	1093.7	1095.9	1093.7	1076.7	1043.5	1002.4	944.0	876.6	811.5
-50°	917.8	965.6	984.5	979.3	984.5	965.6	917.8	861.0	796.8	732.6	666.1
-52.5°	772.5	829.8	850.9	845.3	850.9	829.8	772.5	710.9	649.8	604.1	555.7
-55°	666.2	723.2	747.1	752.0	747.1	723.2	666.2	605.6	542.2	504.4	465.2
-57.5°	583.6	643.4	658.8	652.9	658.8	643.4	583.6	522.1	459.0	427.4	398.1
-60°	521.8	578.2	586.8	577.1	586.8	578.2	521.8	464.3	405.6	373.8	348.8
-62.5°	491.0	544.5	554.8	553.8	554.8	544.5	491.0	434.5	373.0	334.4	308.5
-65°	539.0	616.5	641.6	658.7	641.6	616.5	539.0	456.9	366.5	306.2	276.5
-67.5°	650.9	800.0	848.9	874.4	848.9	800.0	650.9	507.9	376.2	293.8	257.3
-70°	419.5	471.5	468.6	454.7	468.6	471.5	419.5	368.5	320.4	275.7	231.0
-72.5°	253.6	264.5	264.6	262.3	264.6	264.5	253.6	241.7	229.0	210.0	175.9
-75°	156.6	161.5	154.4	145.7	154.4	161.5	156.6	151.0	144.7	135.3	116.7
-77.5°	93.8	97.9	93.2	87.4	93.2	97.9	93.8	89.4	84.8	79.4	70.6
-80°	45.6	46.2	46.5	46.6	46.5	46.2	45.6	44.8	43.8	42.4	38.3
-82.5°	17.2	17.4	17.5	17.5	17.5	17.4	17.2	17.0	16.7	16.2	14.5
-85°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.6	5.5	5.4	5.3
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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	1.2	2.2	3.2	4.1
85°	5.1	4.9	4.7	4.5	4.2	4.0	3.7	4.0	4.5	5.1	5.8
82.5°	12.9	11.4	10.1	10.7	11.1	11.3	11.1	10.2	9.3	8.2	7.2
80°	34.1	30.0	26.3	25.1	24.1	23.2	22.3	20.7	18.7	16.8	15.4
77.5°	62.0	53.8	47.6	46.5	44.6	41.8	38.3	36.0	34.5	32.5	29.6
75°	98.9	82.4	71.8	71.8	71.0	69.6	65.9	59.9	54.5	50.0	46.0
72.5°	143.8	114.4	99.0	99.6	99.5	98.5	95.4	89.4	81.3	71.0	62.7
70°	187.6	145.9	127.8	128.3	128.3	127.8	124.7	120.3	115.5	107.7	94.1
67.5°	218.1	175.5	161.9	162.0	161.9	160.5	154.2	147.9	142.0	135.8	122.4
65°	243.7	207.3	203.2	205.6	205.1	201.2	186.2	175.0	166.6	158.8	145.1
62.5°	280.4	250.3	253.5	254.9	254.4	247.6	227.5	209.3	193.2	179.0	166.2
60°	322.2	300.5	303.0	304.2	304.3	294.4	272.8	249.2	223.6	208.8	192.5
57.5°	367.9	350.9	352.4	352.6	351.5	335.8	315.2	293.6	268.0	246.7	226.4
55°	424.9	410.6	408.0	403.7	397.5	376.4	354.3	331.2	308.8	289.7	266.2
52.5°	505.9	490.7	478.0	463.7	447.6	420.7	392.9	368.2	346.3	325.4	303.7
50°	609.5	588.6	565.2	541.7	511.0	472.6	439.0	407.6	384.3	361.6	337.1
47.5°	753.0	713.4	669.8	634.1	587.8	540.8	497.1	454.4	427.0	398.6	372.0
45°	862.8	837.9	807.2	748.8	678.8	621.0	565.7	518.5	474.0	439.9	407.6
42.5°	941.5	923.4	897.2	855.8	801.4	721.2	645.5	588.9	533.2	484.8	439.8
40°	1012.7	987.4	963.4	932.4	886.3	832.2	752.8	667.0	601.3	538.1	472.2
37.5°	1083.8	1050.4	1023.6	992.3	954.7	907.5	850.7	770.1	676.2	593.2	513.2
35°	1162.6	1119.9	1089.2	1053.9	1014.6	967.8	919.1	857.6	766.2	654.4	558.4
32.5°	1289.4	1227.6	1171.3	1127.5	1069.3	1018.9	970.6	918.6	843.9	727.7	613.5
30°	1068.4	1237.7	1283.3	1206.5	1128.4	1065.0	1013.8	962.2	894.5	803.4	670.0
27.5°	1024.3	1026.9	1215.2	1294.0	1186.2	1110.7	1054.5	1000.3	940.7	856.8	740.1
25°	1095.1	1040.6	1039.9	1210.6	1270.7	1158.4	1098.0	1038.5	975.7	904.9	829.2
22.5°	1240.6	1118.5	1047.6	1042.8	1250.3	1243.0	1145.7	1076.7	1019.1	976.7	900.5
20°	1500.3	1251.8	1113.7	1055.2	1113.3	1324.5	1201.2	1129.5	1089.7	1047.1	970.6
17.5°	1793.3	1479.5	1218.9	1088.6	1068.5	1224.3	1281.4	1198.5	1151.2	1121.9	1042.1
15°	2074.4	1717.8	1400.4	1181.6	1083.4	1129.1	1350.2	1262.3	1207.2	1186.9	1104.3
12.5°	2250.7	1954.3	1571.4	1267.3	1113.2	1092.7	1308.1	1323.1	1261.9	1217.2	1144.5
10°	2418.1	2124.2	1743.6	1401.4	1182.0	1106.4	1251.8	1379.0	1303.1	1240.7	1175.1
7.5°	2603.2	2229.4	1888.2	1502.8	1225.6	1111.3	1212.8	1439.8	1343.1	1267.1	1197.3
5°	2732.4	2300.4	1976.6	1553.0	1240.4	1108.5	1180.3	1501.6	1380.8	1294.4	1212.7
2.5°	2798.7	2340.0	2025.7	1576.8	1240.5	1103.3	1162.0	1561.5	1431.1	1306.2	1213.9
0°	2827.2	2360.9	2046.1	1585.6	1235.8	1101.7	1165.9	1614.7	1486.5	1311.6	1212.5
-2.5°	2798.7	2340.0	2025.7	1576.8	1240.5	1103.3	1162.0	1561.5	1431.1	1306.2	1213.9
-5°	2732.4	2300.4	1976.6	1553.0	1240.4	1108.5	1180.3	1501.6	1380.8	1294.4	1212.7
-7.5°	2603.2	2229.4	1888.2	1502.8	1225.6	1111.3	1212.8	1439.8	1343.1	1267.1	1197.3
-10°	2418.1	2124.2	1743.6	1401.4	1182.0	1106.4	1251.8	1379.0	1303.1	1240.7	1175.1
-12.5°	2250.7	1954.3	1571.4	1267.3	1113.2	1092.7	1308.1	1323.1	1261.9	1217.2	1144.5
-15°	2074.4	1717.8	1400.4	1181.6	1083.4	1129.1	1350.2	1262.3	1207.2	1186.9	1104.3
-17.5°	1793.3	1479.5	1218.9	1088.6	1068.5	1224.3	1281.4	1198.5	1151.2	1121.9	1042.1
-20°	1500.3	1251.8	1113.7	1055.2	1113.3	1324.5	1201.2	1129.5	1089.7	1047.1	970.6

Classified

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

Scaled Data Report



REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	1240.6	1118.5	1047.6	1042.8	1250.3	1243.0	1145.7	1076.7	1019.1	976.7	900.5
-25°	1095.1	1040.6	1039.9	1210.6	1270.7	1158.4	1098.0	1038.5	975.7	904.9	829.2
-27.5°	1024.3	1026.9	1215.2	1294.0	1186.2	1110.7	1054.5	1000.3	940.7	856.8	740.1
-30°	1068.4	1237.7	1283.3	1206.5	1128.4	1065.0	1013.8	962.2	894.5	803.4	670.0
-32.5°	1289.4	1227.6	1171.3	1127.5	1069.3	1018.9	970.6	918.6	843.9	727.7	613.5
-35°	1162.6	1119.9	1089.2	1053.9	1014.6	967.8	919.1	857.6	766.2	654.4	558.4
-37.5°	1083.8	1050.4	1023.6	992.3	954.7	907.5	850.7	770.1	676.2	593.2	513.2
-40°	1012.7	987.4	963.4	932.4	886.3	832.2	752.8	667.0	601.3	538.1	472.2
-42.5°	941.5	923.4	897.2	855.8	801.4	721.2	645.5	588.9	533.2	484.8	439.8
-45°	862.8	837.9	807.2	748.8	678.8	621.0	565.7	518.5	474.0	439.9	407.6
-47.5°	753.0	713.4	669.8	634.1	587.8	540.8	497.1	454.4	427.0	398.6	372.0
-50°	609.5	588.6	565.2	541.7	511.0	472.6	439.0	407.6	384.3	361.6	337.1
-52.5°	505.9	490.7	478.0	463.7	447.6	420.7	392.9	368.2	346.3	325.4	303.7
-55°	424.9	410.6	408.0	403.7	397.5	376.4	354.3	331.2	308.8	289.7	266.2
-57.5°	367.9	350.9	352.4	352.6	351.5	335.8	315.2	293.6	268.0	246.7	226.4
-60°	322.2	300.5	303.0	304.2	304.3	294.4	272.8	249.2	223.6	208.8	192.5
-62.5°	280.4	250.3	253.5	254.9	254.4	247.6	227.5	209.3	193.2	179.0	166.2
-65°	243.7	207.3	203.2	205.6	205.1	201.2	186.2	175.0	166.6	158.8	145.1
-67.5°	218.1	175.5	161.9	162.0	161.9	160.5	154.2	147.9	142.0	135.8	122.4
-70°	187.6	145.9	127.8	128.3	128.3	127.8	124.7	120.3	115.5	107.7	94.1
-72.5°	143.8	114.4	99.0	99.6	99.5	98.5	95.4	89.4	81.3	71.0	62.7
-75°	98.9	82.4	71.8	71.8	71.0	69.6	65.9	59.9	54.5	50.0	46.0
-77.5°	62.0	53.8	47.6	46.5	44.6	41.8	38.3	36.0	34.5	32.5	29.6
-80°	34.1	30.0	26.3	25.1	24.1	23.2	22.3	20.7	18.7	16.8	15.4
-82.5°	12.9	11.4	10.1	10.7	11.1	11.3	11.1	10.2	9.3	8.2	7.2
-85°	5.1	4.9	4.7	4.5	4.2	4.0	3.7	4.0	4.5	5.1	5.8
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.2	3.2	4.1
-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: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
85°	5.8	5.8	5.8	5.8	5.8	5.8	5.4	4.9	4.4	4.0	3.5
82.5°	6.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.2
80°	13.9	12.4	10.8	9.2	7.7	5.8	5.8	5.8	5.8	5.8	5.8
77.5°	26.0	22.1	18.2	16.1	14.9	13.0	10.6	7.5	5.8	5.8	5.8
75°	41.5	36.9	32.1	27.3	23.3	20.5	18.1	14.8	10.6	6.3	5.8
72.5°	58.4	53.2	47.0	39.5	33.3	28.5	25.1	21.9	17.1	12.1	7.1
70°	81.2	71.0	64.0	54.7	44.7	36.1	30.9	27.6	23.4	17.8	12.1
67.5°	108.0	93.1	81.4	69.6	58.0	47.1	37.1	33.2	29.3	23.5	17.1
65°	129.6	113.7	97.8	84.7	71.4	58.4	46.9	40.4	35.5	29.6	21.9
62.5°	151.0	133.7	116.5	100.2	85.2	70.7	57.0	51.1	42.7	36.0	27.6
60°	173.1	155.6	135.2	116.6	99.3	83.1	70.2	62.1	53.3	42.5	33.8
57.5°	206.2	180.3	155.7	133.2	113.3	95.5	84.2	74.8	64.1	51.9	40.3
55°	242.8	215.1	178.6	150.9	127.6	107.3	98.9	88.6	75.5	62.1	47.2
52.5°	279.3	245.7	206.8	170.4	142.7	122.1	115.0	102.6	88.6	72.5	57.1
50°	312.7	272.1	231.8	193.2	157.9	142.4	132.2	118.8	101.8	83.5	67.8
47.5°	337.6	295.7	253.6	213.5	176.1	164.4	152.6	136.0	115.2	95.6	79.0
45°	363.2	317.3	273.5	231.2	201.6	189.1	175.0	153.9	131.6	110.0	90.6
42.5°	388.2	339.6	292.4	246.8	228.4	214.3	198.8	175.3	148.5	125.1	103.3
40°	415.6	361.4	310.8	273.2	254.6	239.1	221.7	198.0	166.3	141.7	116.9
37.5°	442.5	384.6	329.7	302.9	280.5	262.5	244.2	221.5	189.0	160.7	130.8
35°	478.6	408.5	361.6	332.4	307.1	285.2	266.3	244.1	214.5	180.0	145.0
32.5°	513.9	442.6	397.2	360.9	332.7	307.2	287.0	272.1	240.7	199.7	159.4
30°	563.4	490.7	432.1	387.7	357.5	329.9	312.8	304.0	267.5	219.6	174.4
27.5°	629.4	538.4	468.0	417.3	381.1	352.8	347.9	339.5	294.8	240.7	190.7
25°	698.8	594.3	510.6	447.2	403.2	390.4	382.8	378.0	323.9	263.3	207.0
22.5°	778.4	651.6	552.2	475.7	443.2	426.6	417.3	409.6	355.2	285.9	223.1
20°	856.1	706.7	596.0	527.4	487.2	463.7	450.9	441.0	388.0	308.2	238.8
17.5°	929.0	773.4	661.4	583.1	532.4	500.6	483.4	472.0	421.8	330.1	254.2
15°	989.4	848.4	724.4	635.9	576.7	537.3	514.9	502.6	456.1	351.4	264.9
12.5°	1041.4	914.1	783.2	685.6	619.7	573.6	545.4	532.8	490.5	364.6	269.7
10°	1084.9	971.1	837.8	732.4	661.5	609.3	575.1	553.9	503.4	370.5	273.8
7.5°	1120.9	1020.1	888.2	776.4	695.7	627.2	579.4	556.2	511.0	375.0	276.9
5°	1145.3	1048.6	907.1	783.8	695.1	625.6	579.2	558.1	516.1	377.9	279.1
2.5°	1142.9	1051.5	904.6	783.8	692.5	622.4	578.4	559.2	518.7	379.2	280.1
0°	1136.7	1049.3	897.7	781.1	687.9	617.9	577.1	559.6	518.8	378.9	279.8
-2.5°	1142.9	1051.5	904.6	783.8	692.5	622.4	578.4	559.2	518.7	379.2	280.1
-5°	1145.3	1048.6	907.1	783.8	695.1	625.6	579.2	558.1	516.1	377.9	279.1
-7.5°	1120.9	1020.1	888.2	776.4	695.7	627.2	579.4	556.2	511.0	375.0	276.9
-10°	1084.9	971.1	837.8	732.4	661.5	609.3	575.1	553.9	503.4	370.5	273.8
-12.5°	1041.4	914.1	783.2	685.6	619.7	573.6	545.4	532.8	490.5	364.6	269.7
-15°	989.4	848.4	724.4	635.9	576.7	537.3	514.9	502.6	456.1	351.4	264.9
-17.5°	929.0	773.4	661.4	583.1	532.4	500.6	483.4	472.0	421.8	330.1	254.2
-20°	856.1	706.7	596.0	527.4	487.2	463.7	450.9	441.0	388.0	308.2	238.8

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	778.4	651.6	552.2	475.7	443.2	426.6	417.3	409.6	355.2	285.9	223.1
-25°	698.8	594.3	510.6	447.2	403.2	390.4	382.8	378.0	323.9	263.3	207.0
-27.5°	629.4	538.4	468.0	417.3	381.1	352.8	347.9	339.5	294.8	240.7	190.7
-30°	563.4	490.7	432.1	387.7	357.5	329.9	312.8	304.0	267.5	219.6	174.4
-32.5°	513.9	442.6	397.2	360.9	332.7	307.2	287.0	272.1	240.7	199.7	159.4
-35°	478.6	408.5	361.6	332.4	307.1	285.2	266.3	244.1	214.5	180.0	145.0
-37.5°	442.5	384.6	329.7	302.9	280.5	262.5	244.2	221.5	189.0	160.7	130.8
-40°	415.6	361.4	310.8	273.2	254.6	239.1	221.7	198.0	166.3	141.7	116.9
-42.5°	388.2	339.6	292.4	246.8	228.4	214.3	198.8	175.3	148.5	125.1	103.3
-45°	363.2	317.3	273.5	231.2	201.6	189.1	175.0	153.9	131.6	110.0	90.6
-47.5°	337.6	295.7	253.6	213.5	176.1	164.4	152.6	136.0	115.2	95.6	79.0
-50°	312.7	272.1	231.8	193.2	157.9	142.4	132.2	118.8	101.8	83.5	67.8
-52.5°	279.3	245.7	206.8	170.4	142.7	122.1	115.0	102.6	88.6	72.5	57.1
-55°	242.8	215.1	178.6	150.9	127.6	107.3	98.9	88.6	75.5	62.1	47.2
-57.5°	206.2	180.3	155.7	133.2	113.3	95.5	84.2	74.8	64.1	51.9	40.3
-60°	173.1	155.6	135.2	116.6	99.3	83.1	70.2	62.1	53.3	42.5	33.8
-62.5°	151.0	133.7	116.5	100.2	85.2	70.7	57.0	51.1	42.7	36.0	27.6
-65°	129.6	113.7	97.8	84.7	71.4	58.4	46.9	40.4	35.5	29.6	21.9
-67.5°	108.0	93.1	81.4	69.6	58.0	47.1	37.1	33.2	29.3	23.5	17.1
-70°	81.2	71.0	64.0	54.7	44.7	36.1	30.9	27.6	23.4	17.8	12.1
-72.5°	58.4	53.2	47.0	39.5	33.3	28.5	25.1	21.9	17.1	12.1	7.1
-75°	41.5	36.9	32.1	27.3	23.3	20.5	18.1	14.8	10.6	6.3	5.8
-77.5°	26.0	22.1	18.2	16.1	14.9	13.0	10.6	7.5	5.8	5.8	5.8
-80°	13.9	12.4	10.8	9.2	7.7	5.8	5.8	5.8	5.8	5.8	5.8
-82.5°	6.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.2
-85°	5.8	5.8	5.8	5.8	5.8	5.8	5.4	4.9	4.4	4.0	3.5
-87.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
-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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REPORT NUMBER: P624783 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-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°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
80°	5.8	5.0	4.0	3.0	2.0	1.0	0.0
77.5°	5.8	5.8	5.0	3.8	2.5	1.3	0.0
75°	5.8	5.8	5.8	4.5	3.0	1.5	0.0
72.5°	5.8	5.8	5.8	5.2	3.5	1.7	0.0
70°	6.4	5.8	5.8	5.8	4.0	2.0	0.0
67.5°	10.8	5.8	5.8	5.8	4.4	2.2	0.0
65°	15.2	7.7	5.8	5.8	4.9	2.5	0.0
62.5°	19.6	11.6	5.8	5.8	5.4	2.7	0.0
60°	23.9	15.5	5.8	5.8	5.8	2.9	0.0
57.5°	30.0	19.3	8.8	5.8	5.8	3.1	0.0
55°	36.4	23.0	11.9	5.8	5.8	3.3	0.0
52.5°	42.9	27.1	15.0	5.8	5.8	3.5	0.0
50°	49.6	32.9	18.0	5.8	5.8	3.7	0.0
47.5°	56.8	38.7	21.0	6.3	5.8	3.9	0.0
45°	66.9	44.6	23.9	8.5	5.8	4.1	0.0
42.5°	77.2	50.4	26.8	10.7	5.8	4.3	0.0
40°	87.7	56.3	30.5	12.7	5.8	4.4	0.0
37.5°	98.3	62.1	35.0	14.6	5.8	4.6	0.0
35°	108.9	69.6	39.4	16.4	5.8	4.8	0.0
32.5°	120.0	78.0	43.7	18.1	5.8	4.9	0.0
30°	131.6	86.3	47.8	19.7	5.8	5.0	0.0
27.5°	143.1	94.4	50.9	21.2	5.8	5.1	0.0
25°	154.4	102.3	53.5	22.5	5.8	5.3	0.0
22.5°	165.6	108.6	55.6	23.8	5.8	5.4	0.0
20°	176.5	110.8	57.3	24.9	5.8	5.5	0.0
17.5°	182.1	112.0	58.6	25.8	5.8	5.5	0.0
15°	184.1	112.4	59.6	26.7	5.8	5.6	0.0
12.5°	185.4	111.9	60.1	27.4	5.8	5.7	0.0
10°	186.1	110.6	60.4	28.0	5.8	5.7	0.0
7.5°	186.0	108.6	60.3	28.5	5.8	5.8	0.0
5°	185.1	106.0	59.9	28.8	5.8	5.8	0.0
2.5°	183.4	102.8	59.2	29.0	5.8	5.8	0.0
0°	180.7	99.1	58.3	29.1	5.8	5.8	0.0
-2.5°	183.4	102.8	59.2	29.0	5.8	5.8	0.0
-5°	185.1	106.0	59.9	28.8	5.8	5.8	0.0
-7.5°	186.0	108.6	60.3	28.5	5.8	5.8	0.0
-10°	186.1	110.6	60.4	28.0	5.8	5.7	0.0
-12.5°	185.4	111.9	60.1	27.4	5.8	5.7	0.0
-15°	184.1	112.4	59.6	26.7	5.8	5.6	0.0
-17.5°	182.1	112.0	58.6	25.8	5.8	5.5	0.0
-20°	176.5	110.8	57.3	24.9	5.8	5.5	0.0

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CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-11

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	165.6	108.6	55.6	23.8	5.8	5.4	0.0
-25°	154.4	102.3	53.5	22.5	5.8	5.3	0.0
-27.5°	143.1	94.4	50.9	21.2	5.8	5.1	0.0
-30°	131.6	86.3	47.8	19.7	5.8	5.0	0.0
-32.5°	120.0	78.0	43.7	18.1	5.8	4.9	0.0
-35°	108.9	69.6	39.4	16.4	5.8	4.8	0.0
-37.5°	98.3	62.1	35.0	14.6	5.8	4.6	0.0
-40°	87.7	56.3	30.5	12.7	5.8	4.4	0.0
-42.5°	77.2	50.4	26.8	10.7	5.8	4.3	0.0
-45°	66.9	44.6	23.9	8.5	5.8	4.1	0.0
-47.5°	56.8	38.7	21.0	6.3	5.8	3.9	0.0
-50°	49.6	32.9	18.0	5.8	5.8	3.7	0.0
-52.5°	42.9	27.1	15.0	5.8	5.8	3.5	0.0
-55°	36.4	23.0	11.9	5.8	5.8	3.3	0.0
-57.5°	30.0	19.3	8.8	5.8	5.8	3.1	0.0
-60°	23.9	15.5	5.8	5.8	5.8	2.9	0.0
-62.5°	19.6	11.6	5.8	5.8	5.4	2.7	0.0
-65°	15.2	7.7	5.8	5.8	4.9	2.5	0.0
-67.5°	10.8	5.8	5.8	5.8	4.4	2.2	0.0
-70°	6.4	5.8	5.8	5.8	4.0	2.0	0.0
-72.5°	5.8	5.8	5.8	5.2	3.5	1.7	0.0
-75°	5.8	5.8	5.8	4.5	3.0	1.5	0.0
-77.5°	5.8	5.8	5.0	3.8	2.5	1.3	0.0
-80°	5.8	5.0	4.0	3.0	2.0	1.0	0.0
-82.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
-85°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)