

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: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-4000K-11**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624790 (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-4000K-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: 35493.9 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

NEMA Type: 1H x 1V
Max Intensity: 1065258.9 candela
Max Intensity Angle: 0°H x 0°V

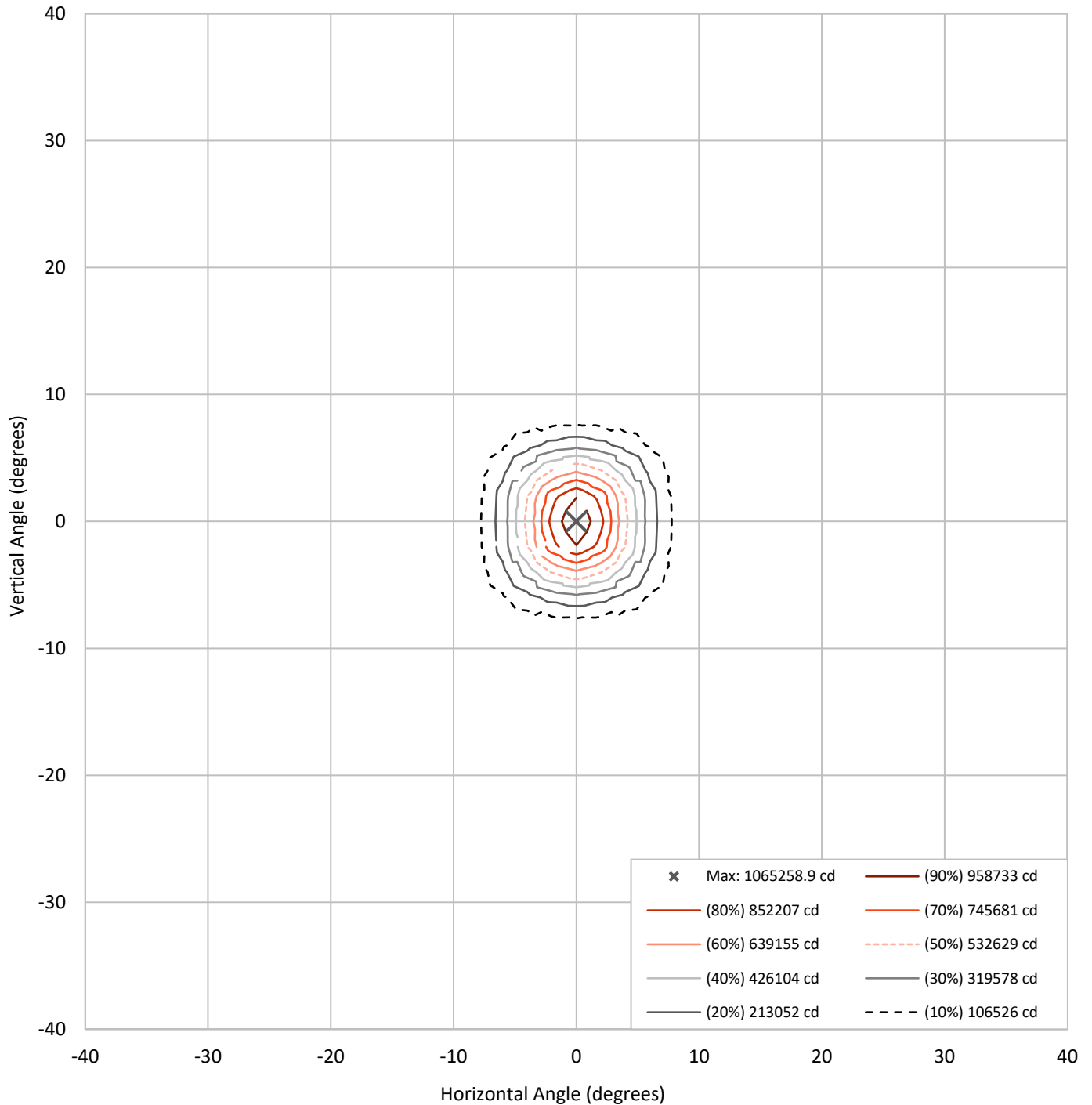
Beam Angle (50%): 8.3°H x 8.9°V
Beam Lumens: 15965.3 lumens
Beam Efficiency: 45.0%

Field Angle (10%): 14.9°H x 14.6°V
Field Lumens: 25184.2 lumens
Field Efficiency: 71.0%

Input Watts (W): 499
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: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

Iso-Candela Plot





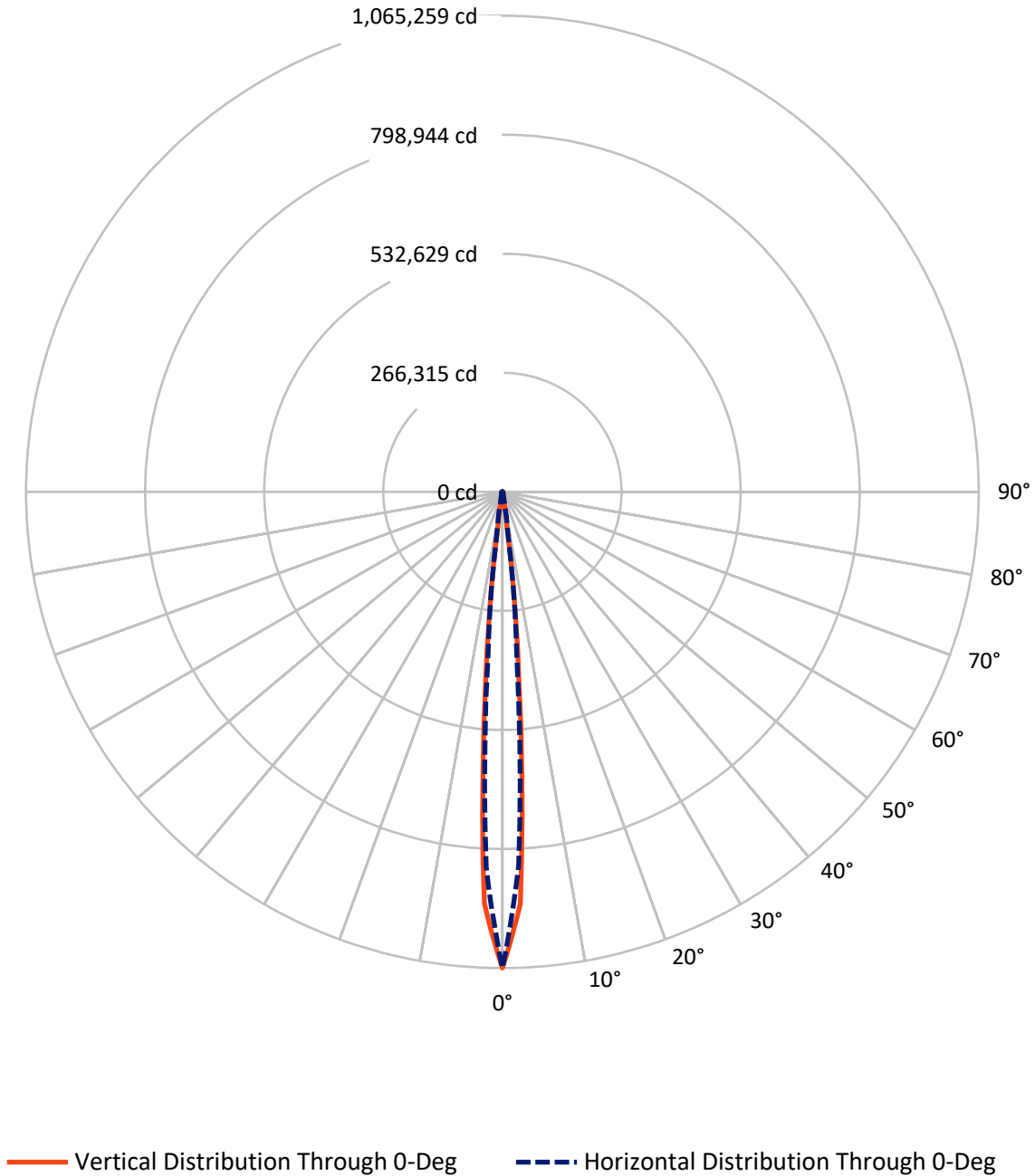
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Lumen Table

90	0.1	1.4	4.8	11.0	19.3	11.0	4.8	1.4	0.1							
80	0.1	1.4	4.8	11.0	19.3	11.0	4.8	1.4	0.1							
70	0.8	0.9	2.4	4.9	7.6	9.5	15.5	28.4	28.4	15.5	9.5	7.6	4.9	2.4	0.9	0.8
60		1.8	4.4	9.1	14.1	18.4	24.6	34.8	34.8	24.6	18.4	14.1	9.1	4.4	1.8	
50	2.5	3.2	6.7	13.9	23.1	34.2	44.5	54.6	54.6	44.5	34.2	23.1	13.9	6.7	3.2	2.5
40		5.0	9.5	19.8	35.7	48.0	53.3	56.7	56.7	53.3	48.0	35.7	19.8	9.5	5.0	
30	4.8	7.3	13.1	27.9	43.9	50.3	66.7	88.7	88.7	66.7	50.3	43.9	27.9	13.1	7.3	4.8
20		9.9	18.4	36.7	48.3	64.7	129.7	249.2	249.2	129.7	64.7	48.3	36.7	18.4	9.9	
10	5.6	11.1	22.3	41.5	50.5	85.1	258.2	6927.6	6927.6	258.2	85.1	50.5	41.5	22.3	11.1	5.6
0		11.1	22.3	41.5	50.5	85.1	258.2	6927.6	6927.6	258.2	85.1	50.5	41.5	22.3	11.1	
-10	4.8	9.9	18.4	36.7	48.3	64.7	129.7	249.2	249.2	129.7	64.7	48.3	36.7	18.4	9.9	4.8
-20		7.3	13.1	27.9	43.9	50.3	66.7	88.7	88.7	66.7	50.3	43.9	27.9	13.1	7.3	
-30	2.5	5.0	9.5	19.8	35.7	48.0	53.3	56.7	56.7	53.3	48.0	35.7	19.8	9.5	5.0	2.5
-40		3.2	6.7	13.9	23.1	34.2	44.5	54.6	54.6	44.5	34.2	23.1	13.9	6.7	3.2	
-50	0.8	1.8	4.4	9.1	14.1	18.4	24.6	34.8	34.8	24.6	18.4	14.1	9.1	4.4	1.8	0.8
-60		0.9	2.4	4.9	7.6	9.5	15.5	28.4	28.4	15.5	9.5	7.6	4.9	2.4	0.9	
-70	0.1	1.4	4.8	11.0	19.3	11.0	4.8	1.4	0.1							
-80		0.1	1.4	4.8	11.0	19.3	11.0	4.8	1.4	0.1						
-90	0.1	1.4	4.8	11.0	19.3	11.0	4.8	1.4	0.1							

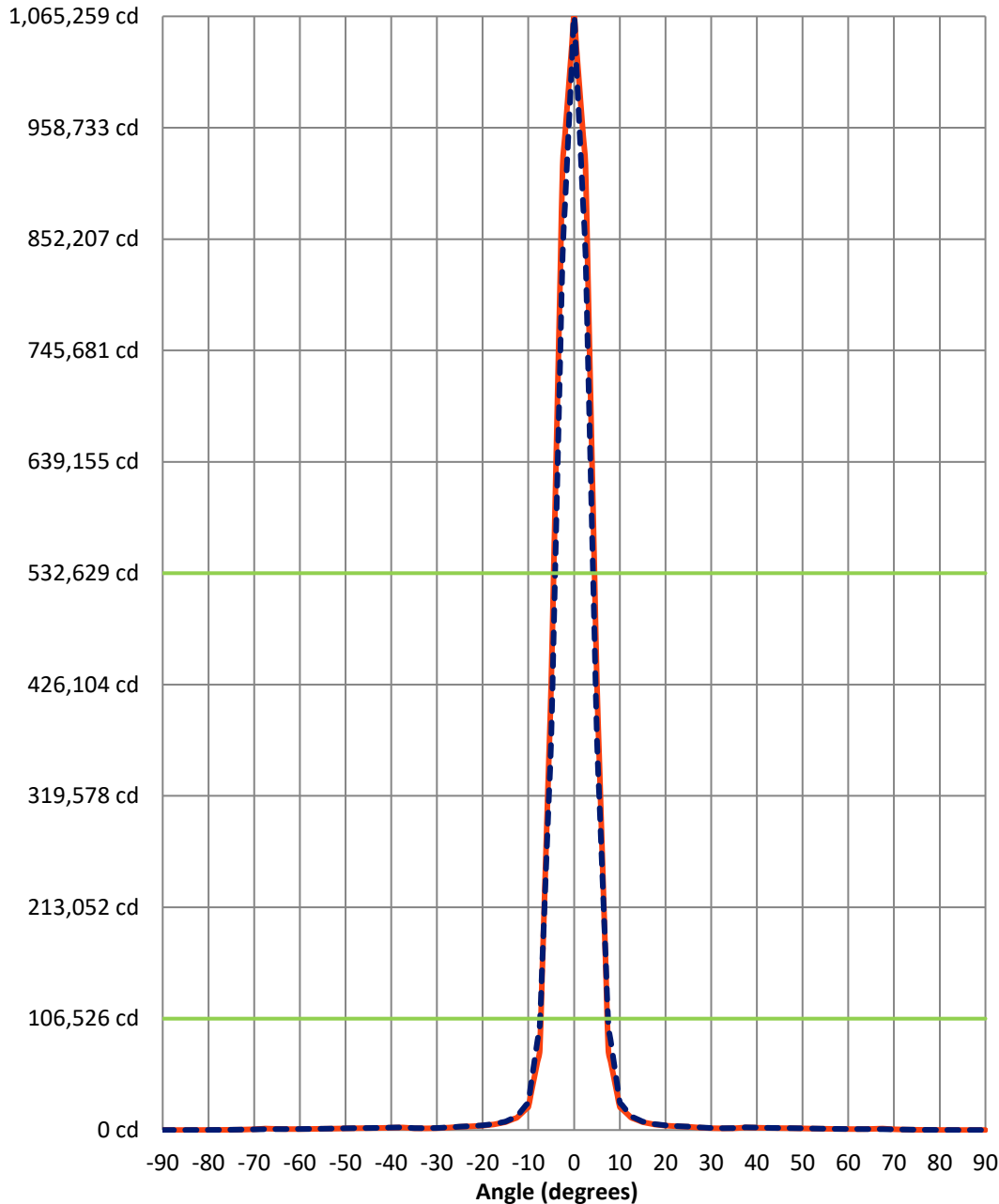
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 8.3°
 V Angle: 8.9°
 Lumens: 15965.3
 Efficiency: 45.0%

Field:
 H Angle: 14.9°
 V Angle: 14.6°
 Lumens: 25184.2
 Efficiency: 71.0%

Spill:
 Lumens: 10309.7
 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	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	3.9
85°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.1	7.9
82.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.3	9.3	9.3
80°	0.0	1.6	3.2	4.8	6.4	8.0	9.3	9.3	9.3	9.3	9.3
77.5°	0.0	2.0	4.0	6.0	8.0	9.3	9.3	9.3	9.3	9.3	12.1
75°	0.0	2.4	4.8	7.2	9.3	9.3	9.3	9.3	10.2	16.9	23.5
72.5°	0.0	2.8	5.6	8.4	9.3	9.3	9.3	11.4	19.3	27.2	34.9
70°	0.0	3.2	6.4	9.3	9.3	9.3	10.2	19.3	28.4	37.3	43.9
67.5°	0.0	3.6	7.1	9.3	9.3	9.3	17.2	27.2	37.4	46.7	52.8
65°	0.0	3.9	7.9	9.3	9.3	12.4	24.2	34.9	47.2	56.5	64.3
62.5°	0.0	4.3	8.6	9.3	9.3	18.5	31.2	44.0	57.3	68.0	81.4
60°	0.0	4.6	9.3	9.3	9.3	24.6	38.1	53.9	67.7	84.8	98.9
57.5°	0.0	5.0	9.3	9.3	14.1	30.7	47.8	64.2	82.7	102.0	119.2
55°	0.0	5.3	9.3	9.3	19.1	36.7	58.0	75.2	99.0	120.3	141.1
52.5°	0.0	5.7	9.3	9.3	24.0	43.2	68.4	91.0	115.5	141.1	163.4
50°	0.0	6.0	9.3	9.3	28.8	52.4	79.0	108.1	133.0	162.2	189.3
47.5°	0.0	6.3	9.3	10.2	33.5	61.7	90.6	125.9	152.3	183.5	216.6
45°	0.0	6.6	9.3	13.7	38.2	71.0	106.6	144.3	175.2	209.6	245.1
42.5°	0.0	6.9	9.3	17.0	42.7	80.3	123.0	164.6	199.3	236.5	279.2
40°	0.0	7.1	9.3	20.3	48.6	89.6	139.6	186.2	225.8	264.9	315.3
37.5°	0.0	7.4	9.3	23.3	55.7	98.8	156.5	208.4	255.9	300.9	352.7
35°	0.0	7.6	9.3	26.2	62.7	110.9	173.5	230.9	286.7	341.5	388.8
32.5°	0.0	7.8	9.3	28.9	69.6	124.2	191.0	253.8	318.0	383.3	433.4
30°	0.0	8.1	9.3	31.4	76.2	137.3	209.5	277.7	349.8	426.1	484.2
27.5°	0.0	8.2	9.3	33.8	81.1	150.2	227.8	303.8	383.3	469.6	540.8
25°	0.0	8.4	9.3	35.9	85.1	162.8	245.9	329.7	419.4	515.9	602.0
22.5°	0.0	8.6	9.3	37.9	88.5	172.8	263.7	355.3	455.3	565.7	652.4
20°	0.0	8.7	9.3	39.7	91.2	176.4	281.1	380.4	490.8	617.9	702.4
17.5°	0.0	8.9	9.3	41.2	93.3	178.4	290.0	404.8	525.7	671.8	751.8
15°	0.0	9.0	9.3	42.6	94.8	178.9	293.2	421.9	559.7	726.5	800.6
12.5°	0.0	9.1	9.3	43.7	95.7	178.1	295.3	429.6	580.6	781.3	848.7
10°	0.0	9.2	9.3	44.7	96.1	176.1	296.4	436.0	590.2	801.8	882.2
7.5°	0.0	9.2	9.3	45.4	95.9	172.9	296.2	441.0	597.2	814.0	886.0
5°	0.0	9.3	9.3	46.0	95.3	168.7	294.8	444.4	601.8	822.1	888.8
2.5°	0.0	9.3	9.3	46.3	94.3	163.6	292.0	446.0	603.9	826.2	890.7
0°	0.0	9.3	9.3	46.4	92.8	157.8	287.8	445.6	603.5	826.3	891.3
-2.5°	0.0	9.3	9.3	46.3	94.3	163.6	292.0	446.0	603.9	826.2	890.7
-5°	0.0	9.3	9.3	46.0	95.3	168.7	294.8	444.4	601.8	822.1	888.8
-7.5°	0.0	9.2	9.3	45.4	95.9	172.9	296.2	441.0	597.2	814.0	886.0
-10°	0.0	9.2	9.3	44.7	96.1	176.1	296.4	436.0	590.2	801.8	882.2
-12.5°	0.0	9.1	9.3	43.7	95.7	178.1	295.3	429.6	580.6	781.3	848.7
-15°	0.0	9.0	9.3	42.6	94.8	178.9	293.2	421.9	559.7	726.5	800.6
-17.5°	0.0	8.9	9.3	41.2	93.3	178.4	290.0	404.8	525.7	671.8	751.8
-20°	0.0	8.7	9.3	39.7	91.2	176.4	281.1	380.4	490.8	617.9	702.4

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REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.6	9.3	37.9	88.5	172.8	263.7	355.3	455.3	565.7	652.4
-25°	0.0	8.4	9.3	35.9	85.1	162.8	245.9	329.7	419.4	515.9	602.0
-27.5°	0.0	8.2	9.3	33.8	81.1	150.2	227.8	303.8	383.3	469.6	540.8
-30°	0.0	8.1	9.3	31.4	76.2	137.3	209.5	277.7	349.8	426.1	484.2
-32.5°	0.0	7.8	9.3	28.9	69.6	124.2	191.0	253.8	318.0	383.3	433.4
-35°	0.0	7.6	9.3	26.2	62.7	110.9	173.5	230.9	286.7	341.5	388.8
-37.5°	0.0	7.4	9.3	23.3	55.7	98.8	156.5	208.4	255.9	300.9	352.7
-40°	0.0	7.1	9.3	20.3	48.6	89.6	139.6	186.2	225.8	264.9	315.3
-42.5°	0.0	6.9	9.3	17.0	42.7	80.3	123.0	164.6	199.3	236.5	279.2
-45°	0.0	6.6	9.3	13.7	38.2	71.0	106.6	144.3	175.2	209.6	245.1
-47.5°	0.0	6.3	9.3	10.2	33.5	61.7	90.6	125.9	152.3	183.5	216.6
-50°	0.0	6.0	9.3	9.3	28.8	52.4	79.0	108.1	133.0	162.2	189.3
-52.5°	0.0	5.7	9.3	9.3	24.0	43.2	68.4	91.0	115.5	141.1	163.4
-55°	0.0	5.3	9.3	9.3	19.1	36.7	58.0	75.2	99.0	120.3	141.1
-57.5°	0.0	5.0	9.3	9.3	14.1	30.7	47.8	64.2	82.7	102.0	119.2
-60°	0.0	4.6	9.3	9.3	9.3	24.6	38.1	53.9	67.7	84.8	98.9
-62.5°	0.0	4.3	8.6	9.3	9.3	18.5	31.2	44.0	57.3	68.0	81.4
-65°	0.0	3.9	7.9	9.3	9.3	12.4	24.2	34.9	47.2	56.5	64.3
-67.5°	0.0	3.6	7.1	9.3	9.3	9.3	17.2	27.2	37.4	46.7	52.8
-70°	0.0	3.2	6.4	9.3	9.3	9.3	10.2	19.3	28.4	37.3	43.9
-72.5°	0.0	2.8	5.6	8.4	9.3	9.3	9.3	11.4	19.3	27.2	34.9
-75°	0.0	2.4	4.8	7.2	9.3	9.3	9.3	9.3	10.2	16.9	23.5
-77.5°	0.0	2.0	4.0	6.0	8.0	9.3	9.3	9.3	9.3	9.3	12.1
-80°	0.0	1.6	3.2	4.8	6.4	8.0	9.3	9.3	9.3	9.3	9.3
-82.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.3	9.3	9.3
-85°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.1	7.9
-87.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	3.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	4.3	4.6	5.0	5.3	5.7	6.0	6.3	6.6	5.2	3.6	1.9
85°	8.6	9.3	9.3	9.3	9.3	9.3	9.3	9.3	8.1	7.2	6.5
82.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.7	11.5	13.2	14.8	16.3
80°	9.3	9.3	12.3	14.7	17.2	19.8	22.2	24.6	26.8	29.8	33.0
77.5°	17.0	20.8	23.7	25.7	29.0	35.3	41.4	47.2	51.7	54.9	57.3
75°	28.9	32.7	37.1	43.4	51.1	58.7	66.1	73.3	79.6	86.9	95.4
72.5°	39.9	45.4	53.1	62.9	74.9	84.7	93.0	99.9	113.1	129.5	142.4
70°	49.2	57.4	71.2	87.0	101.8	113.1	129.4	149.8	171.5	183.9	191.6
67.5°	59.0	75.0	92.3	110.8	129.6	148.3	172.0	195.0	216.2	226.2	235.5
65°	74.7	92.9	113.7	134.9	155.8	181.1	206.4	231.0	252.8	265.4	278.7
62.5°	90.8	112.5	135.8	159.5	185.6	212.9	240.5	264.7	285.1	307.7	333.4
60°	111.8	132.5	158.2	185.6	215.3	247.8	275.7	306.6	332.6	356.2	396.9
57.5°	134.1	152.1	180.5	212.1	247.8	287.0	328.3	360.6	392.9	426.8	467.7
55°	157.6	171.0	203.3	240.3	284.4	342.5	386.7	423.9	461.4	491.8	527.5
52.5°	183.2	194.4	227.3	271.4	329.3	391.2	444.8	483.7	518.3	551.6	586.3
50°	210.5	226.7	251.5	307.7	369.1	433.4	498.0	536.9	575.8	612.0	649.1
47.5°	243.0	261.8	280.4	340.1	403.9	470.9	537.5	592.4	634.7	680.0	723.6
45°	278.7	301.2	321.1	368.2	435.6	505.4	578.3	649.2	700.6	754.9	825.7
42.5°	316.5	341.3	363.9	393.1	465.8	540.8	618.1	700.5	772.1	849.2	937.9
40°	353.1	380.9	405.5	435.2	495.0	575.6	661.9	752.0	857.1	957.7	1062.4
37.5°	388.9	418.2	446.7	482.5	525.0	612.5	704.7	817.4	944.8	1077.0	1226.5
35°	424.1	454.3	489.1	529.4	575.8	650.7	762.3	889.4	1042.3	1220.3	1365.9
32.5°	457.2	489.3	529.9	574.8	632.6	704.9	818.6	977.0	1158.9	1344.1	1463.0
30°	498.2	525.4	569.3	617.4	688.2	781.6	897.2	1067.1	1279.6	1424.7	1532.4
27.5°	554.1	561.9	607.0	664.6	745.4	857.6	1002.4	1178.8	1364.5	1498.1	1593.1
25°	609.7	621.8	642.2	712.2	813.3	946.5	1112.8	1320.7	1441.1	1553.8	1654.0
22.5°	664.7	679.5	705.8	757.6	879.4	1037.7	1239.7	1434.2	1555.5	1623.0	1714.7
20°	718.1	738.5	775.9	840.0	949.2	1125.5	1363.4	1545.8	1667.6	1735.4	1798.8
17.5°	769.9	797.3	848.0	928.8	1053.4	1231.8	1479.5	1659.5	1786.8	1833.4	1908.7
15°	820.0	855.8	918.5	1012.7	1153.7	1351.2	1575.7	1758.7	1890.3	1922.6	2010.3
12.5°	868.7	913.6	987.1	1092.0	1247.3	1455.9	1658.5	1822.7	1938.6	2009.7	2107.2
10°	916.1	970.5	1053.7	1166.5	1334.3	1546.7	1727.9	1871.4	1976.0	2075.4	2196.3
7.5°	922.8	999.0	1108.1	1236.4	1414.7	1624.7	1785.2	1906.9	2018.0	2139.0	2293.1
5°	922.5	996.4	1107.0	1248.3	1444.8	1670.2	1824.0	1931.4	2061.5	2199.2	2391.6
2.5°	921.2	991.3	1102.8	1248.3	1440.7	1674.6	1820.3	1933.3	2080.3	2279.3	2487.0
0°	919.1	984.1	1095.5	1244.0	1429.7	1671.1	1810.4	1931.1	2088.9	2367.4	2571.7
-2.5°	921.2	991.3	1102.8	1248.3	1440.7	1674.6	1820.3	1933.3	2080.3	2279.3	2487.0
-5°	922.5	996.4	1107.0	1248.3	1444.8	1670.2	1824.0	1931.4	2061.5	2199.2	2391.6
-7.5°	922.8	999.0	1108.1	1236.4	1414.7	1624.7	1785.2	1906.9	2018.0	2139.0	2293.1
-10°	916.1	970.5	1053.7	1166.5	1334.3	1546.7	1727.9	1871.4	1976.0	2075.4	2196.3
-12.5°	868.7	913.6	987.1	1092.0	1247.3	1455.9	1658.5	1822.7	1938.6	2009.7	2107.2
-15°	820.0	855.8	918.5	1012.7	1153.7	1351.2	1575.7	1758.7	1890.3	1922.6	2010.3
-17.5°	769.9	797.3	848.0	928.8	1053.4	1231.8	1479.5	1659.5	1786.8	1833.4	1908.7
-20°	718.1	738.5	775.9	840.0	949.2	1125.5	1363.4	1545.8	1667.6	1735.4	1798.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	664.7	679.5	705.8	757.6	879.4	1037.7	1239.7	1434.2	1555.5	1623.0	1714.7
-25°	609.7	621.8	642.2	712.2	813.3	946.5	1112.8	1320.7	1441.1	1553.8	1654.0
-27.5°	554.1	561.9	607.0	664.6	745.4	857.6	1002.4	1178.8	1364.5	1498.1	1593.1
-30°	498.2	525.4	569.3	617.4	688.2	781.6	897.2	1067.1	1279.6	1424.7	1532.4
-32.5°	457.2	489.3	529.9	574.8	632.6	704.9	818.6	977.0	1158.9	1344.1	1463.0
-35°	424.1	454.3	489.1	529.4	575.8	650.7	762.3	889.4	1042.3	1220.3	1365.9
-37.5°	388.9	418.2	446.7	482.5	525.0	612.5	704.7	817.4	944.8	1077.0	1226.5
-40°	353.1	380.9	405.5	435.2	495.0	575.6	661.9	752.0	857.1	957.7	1062.4
-42.5°	316.5	341.3	363.9	393.1	465.8	540.8	618.1	700.5	772.1	849.2	937.9
-45°	278.7	301.2	321.1	368.2	435.6	505.4	578.3	649.2	700.6	754.9	825.7
-47.5°	243.0	261.8	280.4	340.1	403.9	470.9	537.5	592.4	634.7	680.0	723.6
-50°	210.5	226.7	251.5	307.7	369.1	433.4	498.0	536.9	575.8	612.0	649.1
-52.5°	183.2	194.4	227.3	271.4	329.3	391.2	444.8	483.7	518.3	551.6	586.3
-55°	157.6	171.0	203.3	240.3	284.4	342.5	386.7	423.9	461.4	491.8	527.5
-57.5°	134.1	152.1	180.5	212.1	247.8	287.0	328.3	360.6	392.9	426.8	467.7
-60°	111.8	132.5	158.2	185.6	215.3	247.8	275.7	306.6	332.6	356.2	396.9
-62.5°	90.8	112.5	135.8	159.5	185.6	212.9	240.5	264.7	285.1	307.7	333.4
-65°	74.7	92.9	113.7	134.9	155.8	181.1	206.4	231.0	252.8	265.4	278.7
-67.5°	59.0	75.0	92.3	110.8	129.6	148.3	172.0	195.0	216.2	226.2	235.5
-70°	49.2	57.4	71.2	87.0	101.8	113.1	129.4	149.8	171.5	183.9	191.6
-72.5°	39.9	45.4	53.1	62.9	74.9	84.7	93.0	99.9	113.1	129.5	142.4
-75°	28.9	32.7	37.1	43.4	51.1	58.7	66.1	73.3	79.6	86.9	95.4
-77.5°	17.0	20.8	23.7	25.7	29.0	35.3	41.4	47.2	51.7	54.9	57.3
-80°	9.3	9.3	12.3	14.7	17.2	19.8	22.2	24.6	26.8	29.8	33.0
-82.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.7	11.5	13.2	14.8	16.3
-85°	8.6	9.3	9.3	9.3	9.3	9.3	9.3	9.3	8.1	7.2	6.5
-87.5°	4.3	4.6	5.0	5.3	5.7	6.0	6.3	6.6	5.2	3.6	1.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	6.0	6.4	6.8	7.2	7.6	7.9	8.2	8.4	8.7	8.9	9.0
82.5°	17.8	18.0	17.7	17.1	16.1	18.1	20.6	23.2	25.9	26.6	27.0
80°	35.5	36.9	38.4	40.0	41.8	47.7	54.4	61.0	67.5	69.9	71.5
77.5°	60.9	66.5	71.0	74.0	75.7	85.7	98.7	112.5	126.6	135.1	142.4
75°	104.9	110.8	113.1	114.3	114.4	131.3	157.6	185.9	215.5	230.4	240.5
72.5°	151.9	156.9	158.5	158.7	157.7	182.2	229.1	280.2	334.5	364.8	385.0
70°	198.5	203.5	204.4	204.3	203.6	232.3	298.7	367.8	438.9	510.2	586.9
67.5°	245.6	255.6	257.8	258.1	257.9	279.5	347.2	409.7	467.8	599.0	808.9
65°	296.5	320.4	326.6	327.3	323.6	330.2	388.1	440.3	487.7	583.7	727.7
62.5°	362.3	394.4	405.2	406.0	403.7	398.6	446.6	491.4	532.6	594.1	692.0
60°	434.4	468.8	484.6	484.5	482.5	478.6	513.1	555.4	595.3	645.9	739.4
57.5°	501.9	534.7	559.7	561.5	561.2	558.7	585.9	634.0	680.6	731.0	831.5
55°	564.3	599.5	633.0	642.9	649.9	654.0	676.7	740.9	803.3	863.6	964.5
52.5°	625.7	670.0	712.8	738.5	761.2	781.4	805.6	885.0	962.1	1034.9	1132.3
50°	699.2	752.7	813.8	862.7	900.1	937.5	970.8	1060.9	1166.8	1269.0	1371.2
47.5°	791.7	861.3	936.2	1010.0	1066.8	1136.3	1199.2	1292.4	1396.1	1503.4	1596.5
45°	900.9	989.1	1081.1	1192.6	1285.6	1334.4	1374.1	1436.3	1548.8	1659.0	1749.3
42.5°	1028.1	1148.7	1276.3	1363.0	1428.9	1470.6	1499.5	1525.8	1644.8	1747.7	1830.1
40°	1199.0	1325.4	1411.6	1485.0	1534.3	1572.5	1612.8	1657.1	1739.1	1833.1	1924.1
37.5°	1354.9	1445.2	1520.4	1580.3	1630.3	1673.0	1726.2	1776.5	1842.7	1957.0	2037.3
35°	1463.7	1541.3	1615.8	1678.4	1734.8	1783.7	1851.7	1952.3	2041.8	1955.1	1829.2
32.5°	1545.7	1622.6	1703.0	1795.7	1865.6	1955.2	2053.5	1862.8	1666.9	1587.4	1601.2
30°	1614.5	1696.1	1797.1	1921.6	2043.8	1971.2	1701.5	1603.3	1619.5	1658.2	1745.1
27.5°	1679.4	1769.0	1889.3	2060.9	1935.4	1635.4	1631.3	1663.6	1793.6	1911.4	2103.4
25°	1748.7	1844.9	2023.8	1928.1	1656.2	1657.4	1744.1	1886.1	2156.8	2417.4	2675.3
22.5°	1824.7	1979.6	1991.3	1660.8	1668.5	1781.4	1975.7	2320.8	2679.7	3049.1	3308.7
20°	1912.9	2109.4	1773.0	1680.5	1773.7	1993.6	2389.3	2835.3	3262.0	3526.8	3757.8
17.5°	2040.8	1949.9	1701.6	1733.6	1941.1	2356.2	2856.1	3328.3	3660.4	4074.9	4448.7
15°	2150.4	1798.2	1725.4	1881.7	2230.2	2735.8	3303.8	3680.7	4212.6	4825.9	5537.5
12.5°	2083.3	1740.4	1772.9	2018.3	2502.6	3112.5	3584.6	4127.5	4853.6	5766.2	7204.3
10°	1993.7	1762.1	1882.5	2231.9	2776.9	3383.0	3851.2	4546.5	5571.6	7223.9	9858.9
7.5°	1931.6	1769.9	1951.9	2393.5	3007.2	3550.7	4145.9	5053.4	6489.9	8952.4	13034.6
5°	1879.8	1765.5	1975.5	2473.3	3148.0	3663.7	4351.7	5446.5	7376.0	11104.4	20662.8
2.5°	1850.7	1757.2	1975.6	2511.2	3226.2	3726.8	4457.3	5634.4	7884.4	12506.3	25465.1
0°	1856.8	1754.7	1968.2	2525.2	3258.7	3760.0	4502.7	5718.9	8104.9	13062.5	26682.1
-2.5°	1850.7	1757.2	1975.6	2511.2	3226.2	3726.8	4457.3	5634.4	7884.4	12506.3	25465.1
-5°	1879.8	1765.5	1975.5	2473.3	3148.0	3663.7	4351.7	5446.5	7376.0	11104.4	20662.8
-7.5°	1931.6	1769.9	1951.9	2393.5	3007.2	3550.7	4145.9	5053.4	6489.9	8952.4	13034.6
-10°	1993.7	1762.1	1882.5	2231.9	2776.9	3383.0	3851.2	4546.5	5571.6	7223.9	9858.9
-12.5°	2083.3	1740.4	1772.9	2018.3	2502.6	3112.5	3584.6	4127.5	4853.6	5766.2	7204.3
-15°	2150.4	1798.2	1725.4	1881.7	2230.2	2735.8	3303.8	3680.7	4212.6	4825.9	5537.5
-17.5°	2040.8	1949.9	1701.6	1733.6	1941.1	2356.2	2856.1	3328.3	3660.4	4074.9	4448.7
-20°	1912.9	2109.4	1773.0	1680.5	1773.7	1993.6	2389.3	2835.3	3262.0	3526.8	3757.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1824.7	1979.6	1991.3	1660.8	1668.5	1781.4	1975.7	2320.8	2679.7	3049.1	3308.7
-25°	1748.7	1844.9	2023.8	1928.1	1656.2	1657.4	1744.1	1886.1	2156.8	2417.4	2675.3
-27.5°	1679.4	1769.0	1889.3	2060.9	1935.4	1635.4	1631.3	1663.6	1793.6	1911.4	2103.4
-30°	1614.5	1696.1	1797.1	1921.6	2043.8	1971.2	1701.5	1603.3	1619.5	1658.2	1745.1
-32.5°	1545.7	1622.6	1703.0	1795.7	1865.6	1955.2	2053.5	1862.8	1666.9	1587.4	1601.2
-35°	1463.7	1541.3	1615.8	1678.4	1734.8	1783.7	1851.7	1952.3	2041.8	1955.1	1829.2
-37.5°	1354.9	1445.2	1520.4	1580.3	1630.3	1673.0	1726.2	1776.5	1842.7	1957.0	2037.3
-40°	1199.0	1325.4	1411.6	1485.0	1534.3	1572.5	1612.8	1657.1	1739.1	1833.1	1924.1
-42.5°	1028.1	1148.7	1276.3	1363.0	1428.9	1470.6	1499.5	1525.8	1644.8	1747.7	1830.1
-45°	900.9	989.1	1081.1	1192.6	1285.6	1334.4	1374.1	1436.3	1548.8	1659.0	1749.3
-47.5°	791.7	861.3	936.2	1010.0	1066.8	1136.3	1199.2	1292.4	1396.1	1503.4	1596.5
-50°	699.2	752.7	813.8	862.7	900.1	937.5	970.8	1060.9	1166.8	1269.0	1371.2
-52.5°	625.7	670.0	712.8	738.5	761.2	781.4	805.6	885.0	962.1	1034.9	1132.3
-55°	564.3	599.5	633.0	642.9	649.9	654.0	676.7	740.9	803.3	863.6	964.5
-57.5°	501.9	534.7	559.7	561.5	561.2	558.7	585.9	634.0	680.6	731.0	831.5
-60°	434.4	468.8	484.6	484.5	482.5	478.6	513.1	555.4	595.3	645.9	739.4
-62.5°	362.3	394.4	405.2	406.0	403.7	398.6	446.6	491.4	532.6	594.1	692.0
-65°	296.5	320.4	326.6	327.3	323.6	330.2	388.1	440.3	487.7	583.7	727.7
-67.5°	245.6	255.6	257.8	258.1	257.9	279.5	347.2	409.7	467.8	599.0	808.9
-70°	198.5	203.5	204.4	204.3	203.6	232.3	298.7	367.8	438.9	510.2	586.9
-72.5°	151.9	156.9	158.5	158.7	157.7	182.2	229.1	280.2	334.5	364.8	385.0
-75°	104.9	110.8	113.1	114.3	114.4	131.3	157.6	185.9	215.5	230.4	240.5
-77.5°	60.9	66.5	71.0	74.0	75.7	85.7	98.7	112.5	126.6	135.1	142.4
-80°	35.5	36.9	38.4	40.0	41.8	47.7	54.4	61.0	67.5	69.9	71.5
-82.5°	17.8	18.0	17.7	17.1	16.1	18.1	20.6	23.2	25.9	26.6	27.0
-85°	6.0	6.4	6.8	7.2	7.6	7.9	8.2	8.4	8.7	8.9	9.0
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	9.1	9.2	9.3	9.3	9.3	9.2	9.1	9.0	8.9	8.7	8.4
82.5°	27.4	27.7	27.8	27.9	27.8	27.7	27.4	27.0	26.6	25.9	23.2
80°	72.7	73.6	74.1	74.3	74.1	73.6	72.7	71.5	69.9	67.5	61.0
77.5°	149.4	156.0	148.4	139.3	148.4	156.0	149.4	142.4	135.1	126.6	112.5
75°	249.5	257.3	246.0	232.1	246.0	257.3	249.5	240.5	230.4	215.5	185.9
72.5°	404.0	421.4	421.5	417.8	421.5	421.4	404.0	385.0	364.8	334.5	280.2
70°	668.1	751.0	746.3	724.1	746.3	751.0	668.1	586.9	510.2	438.9	367.8
67.5°	1036.6	1274.1	1351.9	1392.6	1351.9	1274.1	1036.6	808.9	599.0	467.8	409.7
65°	858.5	981.9	1021.8	1049.1	1021.8	981.9	858.5	727.7	583.7	487.7	440.3
62.5°	782.0	867.2	883.5	882.0	883.5	867.2	782.0	692.0	594.1	532.6	491.4
60°	831.0	920.9	934.5	919.1	934.5	920.9	831.0	739.4	645.9	595.3	555.4
57.5°	929.5	1024.8	1049.2	1039.8	1049.2	1024.8	929.5	831.5	731.0	680.6	634.0
55°	1061.0	1151.6	1189.8	1197.6	1189.8	1151.6	1061.0	964.5	863.6	803.3	740.9
52.5°	1230.3	1321.5	1355.1	1346.2	1355.1	1321.5	1230.3	1132.3	1034.9	962.1	885.0
50°	1461.7	1537.8	1567.9	1559.7	1567.9	1537.8	1461.7	1371.2	1269.0	1166.8	1060.9
47.5°	1661.9	1714.7	1741.9	1745.4	1741.9	1714.7	1661.9	1596.5	1503.4	1396.1	1292.4
45°	1786.0	1813.0	1827.1	1828.9	1827.1	1813.0	1786.0	1749.3	1659.0	1548.8	1436.3
42.5°	1879.4	1934.6	1974.0	1977.5	1974.0	1934.6	1879.4	1830.1	1747.7	1644.8	1525.8
40°	1996.5	2060.6	2128.3	2218.9	2128.3	2060.6	1996.5	1924.1	1833.1	1739.1	1657.1
37.5°	2121.1	2218.4	2321.7	2441.7	2321.7	2218.4	2121.1	2037.3	1957.0	1842.7	1776.5
35°	1742.7	1689.7	1661.2	1680.4	1661.2	1689.7	1742.7	1829.2	1955.1	2041.8	1952.3
32.5°	1611.1	1613.5	1607.2	1606.1	1607.2	1613.5	1611.1	1601.2	1587.4	1666.9	1862.8
30°	1814.3	1827.8	1811.6	1782.5	1811.6	1827.8	1814.3	1745.1	1658.2	1619.5	1603.3
27.5°	2242.2	2309.5	2330.0	2302.4	2330.0	2309.5	2242.2	2103.4	1911.4	1793.6	1663.6
25°	2887.8	3032.4	3106.3	3119.4	3106.3	3032.4	2887.8	2675.3	2417.4	2156.8	1886.1
22.5°	3443.4	3532.0	3582.2	3583.6	3582.2	3532.0	3443.4	3308.7	3049.1	2679.7	2320.8
20°	4011.2	4164.3	4231.5	4214.9	4231.5	4164.3	4011.2	3757.8	3526.8	3262.0	2835.3
17.5°	4913.7	5234.1	5388.4	5403.3	5388.4	5234.1	4913.7	4448.7	4074.9	3660.4	3328.3
15°	6351.3	7100.5	7519.6	7575.7	7519.6	7100.5	6351.3	5537.5	4825.9	4212.6	3680.7
12.5°	8778.0	10560.2	11689.9	11846.3	11689.9	10560.2	8778.0	7204.3	5766.2	4853.6	4127.5
10°	12829.7	18575.1	22058.9	22225.8	22058.9	18575.1	12829.7	9858.9	7223.9	5571.6	4546.5
7.5°	25030.2	40790.1	66032.7	76369.8	66032.7	40790.1	25030.2	13034.6	8952.4	6489.9	5053.4
5°	51147.0	181984.6	353830.7	427553.7	353830.7	181984.6	51147.0	20662.8	11104.4	7376.0	5446.5
2.5°	92943.8	366474.4	761860.7	922346.4	761860.7	366474.4	92943.8	25465.1	12506.3	7884.4	5634.4
0°	100586.9	374291.7	837602.5	#####	837602.5	374291.7	100586.9	26682.1	13062.5	8104.9	5718.9
-2.5°	92943.8	366474.4	761860.7	922346.4	761860.7	366474.4	92943.8	25465.1	12506.3	7884.4	5634.4
-5°	51147.0	181984.6	353830.7	427553.7	353830.7	181984.6	51147.0	20662.8	11104.4	7376.0	5446.5
-7.5°	25030.2	40790.1	66032.7	76369.8	66032.7	40790.1	25030.2	13034.6	8952.4	6489.9	5053.4
-10°	12829.7	18575.1	22058.9	22225.8	22058.9	18575.1	12829.7	9858.9	7223.9	5571.6	4546.5
-12.5°	8778.0	10560.2	11689.9	11846.3	11689.9	10560.2	8778.0	7204.3	5766.2	4853.6	4127.5
-15°	6351.3	7100.5	7519.6	7575.7	7519.6	7100.5	6351.3	5537.5	4825.9	4212.6	3680.7
-17.5°	4913.7	5234.1	5388.4	5403.3	5388.4	5234.1	4913.7	4448.7	4074.9	3660.4	3328.3
-20°	4011.2	4164.3	4231.5	4214.9	4231.5	4164.3	4011.2	3757.8	3526.8	3262.0	2835.3



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3443.4	3532.0	3582.2	3583.6	3582.2	3532.0	3443.4	3308.7	3049.1	2679.7	2320.8
-25°	2887.8	3032.4	3106.3	3119.4	3106.3	3032.4	2887.8	2675.3	2417.4	2156.8	1886.1
-27.5°	2242.2	2309.5	2330.0	2302.4	2330.0	2309.5	2242.2	2103.4	1911.4	1793.6	1663.6
-30°	1814.3	1827.8	1811.6	1782.5	1811.6	1827.8	1814.3	1745.1	1658.2	1619.5	1603.3
-32.5°	1611.1	1613.5	1607.2	1606.1	1607.2	1613.5	1611.1	1601.2	1587.4	1666.9	1862.8
-35°	1742.7	1689.7	1661.2	1680.4	1661.2	1689.7	1742.7	1829.2	1955.1	2041.8	1952.3
-37.5°	2121.1	2218.4	2321.7	2441.7	2321.7	2218.4	2121.1	2037.3	1957.0	1842.7	1776.5
-40°	1996.5	2060.6	2128.3	2218.9	2128.3	2060.6	1996.5	1924.1	1833.1	1739.1	1657.1
-42.5°	1879.4	1934.6	1974.0	1977.5	1974.0	1934.6	1879.4	1830.1	1747.7	1644.8	1525.8
-45°	1786.0	1813.0	1827.1	1828.9	1827.1	1813.0	1786.0	1749.3	1659.0	1548.8	1436.3
-47.5°	1661.9	1714.7	1741.9	1745.4	1741.9	1714.7	1661.9	1596.5	1503.4	1396.1	1292.4
-50°	1461.7	1537.8	1567.9	1559.7	1567.9	1537.8	1461.7	1371.2	1269.0	1166.8	1060.9
-52.5°	1230.3	1321.5	1355.1	1346.2	1355.1	1321.5	1230.3	1132.3	1034.9	962.1	885.0
-55°	1061.0	1151.6	1189.8	1197.6	1189.8	1151.6	1061.0	964.5	863.6	803.3	740.9
-57.5°	929.5	1024.8	1049.2	1039.8	1049.2	1024.8	929.5	831.5	731.0	680.6	634.0
-60°	831.0	920.9	934.5	919.1	934.5	920.9	831.0	739.4	645.9	595.3	555.4
-62.5°	782.0	867.2	883.5	882.0	883.5	867.2	782.0	692.0	594.1	532.6	491.4
-65°	858.5	981.9	1021.8	1049.1	1021.8	981.9	858.5	727.7	583.7	487.7	440.3
-67.5°	1036.6	1274.1	1351.9	1392.6	1351.9	1274.1	1036.6	808.9	599.0	467.8	409.7
-70°	668.1	751.0	746.3	724.1	746.3	751.0	668.1	586.9	510.2	438.9	367.8
-72.5°	404.0	421.4	421.5	417.8	421.5	421.4	404.0	385.0	364.8	334.5	280.2
-75°	249.5	257.3	246.0	232.1	246.0	257.3	249.5	240.5	230.4	215.5	185.9
-77.5°	149.4	156.0	148.4	139.3	148.4	156.0	149.4	142.4	135.1	126.6	112.5
-80°	72.7	73.6	74.1	74.3	74.1	73.6	72.7	71.5	69.9	67.5	61.0
-82.5°	27.4	27.7	27.8	27.9	27.8	27.7	27.4	27.0	26.6	25.9	23.2
-85°	9.1	9.2	9.3	9.3	9.3	9.2	9.1	9.0	8.9	8.7	8.4
-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: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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	1.9	3.6	5.2	6.6
85°	8.2	7.9	7.6	7.2	6.8	6.4	6.0	6.5	7.2	8.1	9.3
82.5°	20.6	18.1	16.1	17.1	17.7	18.0	17.8	16.3	14.8	13.2	11.5
80°	54.4	47.7	41.8	40.0	38.4	36.9	35.5	33.0	29.8	26.8	24.6
77.5°	98.7	85.7	75.7	74.0	71.0	66.5	60.9	57.3	54.9	51.7	47.2
75°	157.6	131.3	114.4	114.3	113.1	110.8	104.9	95.4	86.9	79.6	73.3
72.5°	229.1	182.2	157.7	158.7	158.5	156.9	151.9	142.4	129.5	113.1	99.9
70°	298.7	232.3	203.6	204.3	204.4	203.5	198.5	191.6	183.9	171.5	149.8
67.5°	347.2	279.5	257.9	258.1	257.8	255.6	245.6	235.5	226.2	216.2	195.0
65°	388.1	330.2	323.6	327.3	326.6	320.4	296.5	278.7	265.4	252.8	231.0
62.5°	446.6	398.6	403.7	406.0	405.2	394.4	362.3	333.4	307.7	285.1	264.7
60°	513.1	478.6	482.5	484.5	484.6	468.8	434.4	396.9	356.2	332.6	306.6
57.5°	585.9	558.7	561.2	561.5	559.7	534.7	501.9	467.7	426.8	392.9	360.6
55°	676.7	654.0	649.9	642.9	633.0	599.5	564.3	527.5	491.8	461.4	423.9
52.5°	805.6	781.4	761.2	738.5	712.8	670.0	625.7	586.3	551.6	518.3	483.7
50°	970.8	937.5	900.1	862.7	813.8	752.7	699.2	649.1	612.0	575.8	536.9
47.5°	1199.2	1136.3	1066.8	1010.0	936.2	861.3	791.7	723.6	680.0	634.7	592.4
45°	1374.1	1334.4	1285.6	1192.6	1081.1	989.1	900.9	825.7	754.9	700.6	649.2
42.5°	1499.5	1470.6	1428.9	1363.0	1276.3	1148.7	1028.1	937.9	849.2	772.1	700.5
40°	1612.8	1572.5	1534.3	1485.0	1411.6	1325.4	1199.0	1062.4	957.7	857.1	752.0
37.5°	1726.2	1673.0	1630.3	1580.3	1520.4	1445.2	1354.9	1226.5	1077.0	944.8	817.4
35°	1851.7	1783.7	1734.8	1678.4	1615.8	1541.3	1463.7	1365.9	1220.3	1042.3	889.4
32.5°	2053.5	1955.2	1865.6	1795.7	1703.0	1622.6	1545.7	1463.0	1344.1	1158.9	977.0
30°	1701.5	1971.2	2043.8	1921.6	1797.1	1696.1	1614.5	1532.4	1424.7	1279.6	1067.1
27.5°	1631.3	1635.4	1935.4	2060.9	1889.3	1769.0	1679.4	1593.1	1498.1	1364.5	1178.8
25°	1744.1	1657.4	1656.2	1928.1	2023.8	1844.9	1748.7	1654.0	1553.8	1441.1	1320.7
22.5°	1975.7	1781.4	1668.5	1660.8	1991.3	1979.6	1824.7	1714.7	1623.0	1555.5	1434.2
20°	2389.3	1993.6	1773.7	1680.5	1773.0	2109.4	1912.9	1798.8	1735.4	1667.6	1545.8
17.5°	2856.1	2356.2	1941.1	1733.6	1701.6	1949.9	2040.8	1908.7	1833.4	1786.8	1659.5
15°	3303.8	2735.8	2230.2	1881.7	1725.4	1798.2	2150.4	2010.3	1922.6	1890.3	1758.7
12.5°	3584.6	3112.5	2502.6	2018.3	1772.9	1740.4	2083.3	2107.2	2009.7	1938.6	1822.7
10°	3851.2	3383.0	2776.9	2231.9	1882.5	1762.1	1993.7	2196.3	2075.4	1976.0	1871.4
7.5°	4145.9	3550.7	3007.2	2393.5	1951.9	1769.9	1931.6	2293.1	2139.0	2018.0	1906.9
5°	4351.7	3663.7	3148.0	2473.3	1975.5	1765.5	1879.8	2391.6	2199.2	2061.5	1931.4
2.5°	4457.3	3726.8	3226.2	2511.2	1975.6	1757.2	1850.7	2487.0	2279.3	2080.3	1933.3
0°	4502.7	3760.0	3258.7	2525.2	1968.2	1754.7	1856.8	2571.7	2367.4	2088.9	1931.1
-2.5°	4457.3	3726.8	3226.2	2511.2	1975.6	1757.2	1850.7	2487.0	2279.3	2080.3	1933.3
-5°	4351.7	3663.7	3148.0	2473.3	1975.5	1765.5	1879.8	2391.6	2199.2	2061.5	1931.4
-7.5°	4145.9	3550.7	3007.2	2393.5	1951.9	1769.9	1931.6	2293.1	2139.0	2018.0	1906.9
-10°	3851.2	3383.0	2776.9	2231.9	1882.5	1762.1	1993.7	2196.3	2075.4	1976.0	1871.4
-12.5°	3584.6	3112.5	2502.6	2018.3	1772.9	1740.4	2083.3	2107.2	2009.7	1938.6	1822.7
-15°	3303.8	2735.8	2230.2	1881.7	1725.4	1798.2	2150.4	2010.3	1922.6	1890.3	1758.7
-17.5°	2856.1	2356.2	1941.1	1733.6	1701.6	1949.9	2040.8	1908.7	1833.4	1786.8	1659.5
-20°	2389.3	1993.6	1773.7	1680.5	1773.0	2109.4	1912.9	1798.8	1735.4	1667.6	1545.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1975.7	1781.4	1668.5	1660.8	1991.3	1979.6	1824.7	1714.7	1623.0	1555.5	1434.2
-25°	1744.1	1657.4	1656.2	1928.1	2023.8	1844.9	1748.7	1654.0	1553.8	1441.1	1320.7
-27.5°	1631.3	1635.4	1935.4	2060.9	1889.3	1769.0	1679.4	1593.1	1498.1	1364.5	1178.8
-30°	1701.5	1971.2	2043.8	1921.6	1797.1	1696.1	1614.5	1532.4	1424.7	1279.6	1067.1
-32.5°	2053.5	1955.2	1865.6	1795.7	1703.0	1622.6	1545.7	1463.0	1344.1	1158.9	977.0
-35°	1851.7	1783.7	1734.8	1678.4	1615.8	1541.3	1463.7	1365.9	1220.3	1042.3	889.4
-37.5°	1726.2	1673.0	1630.3	1580.3	1520.4	1445.2	1354.9	1226.5	1077.0	944.8	817.4
-40°	1612.8	1572.5	1534.3	1485.0	1411.6	1325.4	1199.0	1062.4	957.7	857.1	752.0
-42.5°	1499.5	1470.6	1428.9	1363.0	1276.3	1148.7	1028.1	937.9	849.2	772.1	700.5
-45°	1374.1	1334.4	1285.6	1192.6	1081.1	989.1	900.9	825.7	754.9	700.6	649.2
-47.5°	1199.2	1136.3	1066.8	1010.0	936.2	861.3	791.7	723.6	680.0	634.7	592.4
-50°	970.8	937.5	900.1	862.7	813.8	752.7	699.2	649.1	612.0	575.8	536.9
-52.5°	805.6	781.4	761.2	738.5	712.8	670.0	625.7	586.3	551.6	518.3	483.7
-55°	676.7	654.0	649.9	642.9	633.0	599.5	564.3	527.5	491.8	461.4	423.9
-57.5°	585.9	558.7	561.2	561.5	559.7	534.7	501.9	467.7	426.8	392.9	360.6
-60°	513.1	478.6	482.5	484.5	484.6	468.8	434.4	396.9	356.2	332.6	306.6
-62.5°	446.6	398.6	403.7	406.0	405.2	394.4	362.3	333.4	307.7	285.1	264.7
-65°	388.1	330.2	323.6	327.3	326.6	320.4	296.5	278.7	265.4	252.8	231.0
-67.5°	347.2	279.5	257.9	258.1	257.8	255.6	245.6	235.5	226.2	216.2	195.0
-70°	298.7	232.3	203.6	204.3	204.4	203.5	198.5	191.6	183.9	171.5	149.8
-72.5°	229.1	182.2	157.7	158.7	158.5	156.9	151.9	142.4	129.5	113.1	99.9
-75°	157.6	131.3	114.4	114.3	113.1	110.8	104.9	95.4	86.9	79.6	73.3
-77.5°	98.7	85.7	75.7	74.0	71.0	66.5	60.9	57.3	54.9	51.7	47.2
-80°	54.4	47.7	41.8	40.0	38.4	36.9	35.5	33.0	29.8	26.8	24.6
-82.5°	20.6	18.1	16.1	17.1	17.7	18.0	17.8	16.3	14.8	13.2	11.5
-85°	8.2	7.9	7.6	7.2	6.8	6.4	6.0	6.5	7.2	8.1	9.3
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.6	5.2	6.6
-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: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	6.3	6.0	5.7	5.3	5.0	4.6	4.3	3.9	3.6	3.2	2.8
85°	9.3	9.3	9.3	9.3	9.3	9.3	8.6	7.9	7.1	6.4	5.6
82.5°	9.7	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	8.4
80°	22.2	19.8	17.2	14.7	12.3	9.3	9.3	9.3	9.3	9.3	9.3
77.5°	41.4	35.3	29.0	25.7	23.7	20.8	17.0	12.1	9.3	9.3	9.3
75°	66.1	58.7	51.1	43.4	37.1	32.7	28.9	23.5	16.9	10.2	9.3
72.5°	93.0	84.7	74.9	62.9	53.1	45.4	39.9	34.9	27.2	19.3	11.4
70°	129.4	113.1	101.8	87.0	71.2	57.4	49.2	43.9	37.3	28.4	19.3
67.5°	172.0	148.3	129.6	110.8	92.3	75.0	59.0	52.8	46.7	37.4	27.2
65°	206.4	181.1	155.8	134.9	113.7	92.9	74.7	64.3	56.5	47.2	34.9
62.5°	240.5	212.9	185.6	159.5	135.8	112.5	90.8	81.4	68.0	57.3	44.0
60°	275.7	247.8	215.3	185.6	158.2	132.5	111.8	98.9	84.8	67.7	53.9
57.5°	328.3	287.0	247.8	212.1	180.5	152.1	134.1	119.2	102.0	82.7	64.2
55°	386.7	342.5	284.4	240.3	203.3	171.0	157.6	141.1	120.3	99.0	75.2
52.5°	444.8	391.2	329.3	271.4	227.3	194.4	183.2	163.4	141.1	115.5	91.0
50°	498.0	433.4	369.1	307.7	251.5	226.7	210.5	189.3	162.2	133.0	108.1
47.5°	537.5	470.9	403.9	340.1	280.4	261.8	243.0	216.6	183.5	152.3	125.9
45°	578.3	505.4	435.6	368.2	321.1	301.2	278.7	245.1	209.6	175.2	144.3
42.5°	618.1	540.8	465.8	393.1	363.9	341.3	316.5	279.2	236.5	199.3	164.6
40°	661.9	575.6	495.0	435.2	405.5	380.9	353.1	315.3	264.9	225.8	186.2
37.5°	704.7	612.5	525.0	482.5	446.7	418.2	388.9	352.7	300.9	255.9	208.4
35°	762.3	650.7	575.8	529.4	489.1	454.3	424.1	388.8	341.5	286.7	230.9
32.5°	818.6	704.9	632.6	574.8	529.9	489.3	457.2	433.4	383.3	318.0	253.8
30°	897.2	781.6	688.2	617.4	569.3	525.4	498.2	484.2	426.1	349.8	277.7
27.5°	1002.4	857.6	745.4	664.6	607.0	561.9	554.1	540.8	469.6	383.3	303.8
25°	1112.8	946.5	813.3	712.2	642.2	621.8	609.7	602.0	515.9	419.4	329.7
22.5°	1239.7	1037.7	879.4	757.6	705.8	679.5	664.7	652.4	565.7	455.3	355.3
20°	1363.4	1125.5	949.2	840.0	775.9	738.5	718.1	702.4	617.9	490.8	380.4
17.5°	1479.5	1231.8	1053.4	928.8	848.0	797.3	769.9	751.8	671.8	525.7	404.8
15°	1575.7	1351.2	1153.7	1012.7	918.5	855.8	820.0	800.6	726.5	559.7	421.9
12.5°	1658.5	1455.9	1247.3	1092.0	987.1	913.6	868.7	848.7	781.3	580.6	429.6
10°	1727.9	1546.7	1334.3	1166.5	1053.7	970.5	916.1	882.2	801.8	590.2	436.0
7.5°	1785.2	1624.7	1414.7	1236.4	1108.1	999.0	922.8	886.0	814.0	597.2	441.0
5°	1824.0	1670.2	1444.8	1248.3	1107.0	996.4	922.5	888.8	822.1	601.8	444.4
2.5°	1820.3	1674.6	1440.7	1248.3	1102.8	991.3	921.2	890.7	826.2	603.9	446.0
0°	1810.4	1671.1	1429.7	1244.0	1095.5	984.1	919.1	891.3	826.3	603.5	445.6
-2.5°	1820.3	1674.6	1440.7	1248.3	1102.8	991.3	921.2	890.7	826.2	603.9	446.0
-5°	1824.0	1670.2	1444.8	1248.3	1107.0	996.4	922.5	888.8	822.1	601.8	444.4
-7.5°	1785.2	1624.7	1414.7	1236.4	1108.1	999.0	922.8	886.0	814.0	597.2	441.0
-10°	1727.9	1546.7	1334.3	1166.5	1053.7	970.5	916.1	882.2	801.8	590.2	436.0
-12.5°	1658.5	1455.9	1247.3	1092.0	987.1	913.6	868.7	848.7	781.3	580.6	429.6
-15°	1575.7	1351.2	1153.7	1012.7	918.5	855.8	820.0	800.6	726.5	559.7	421.9
-17.5°	1479.5	1231.8	1053.4	928.8	848.0	797.3	769.9	751.8	671.8	525.7	404.8
-20°	1363.4	1125.5	949.2	840.0	775.9	738.5	718.1	702.4	617.9	490.8	380.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1239.7	1037.7	879.4	757.6	705.8	679.5	664.7	652.4	565.7	455.3	355.3
-25°	1112.8	946.5	813.3	712.2	642.2	621.8	609.7	602.0	515.9	419.4	329.7
-27.5°	1002.4	857.6	745.4	664.6	607.0	561.9	554.1	540.8	469.6	383.3	303.8
-30°	897.2	781.6	688.2	617.4	569.3	525.4	498.2	484.2	426.1	349.8	277.7
-32.5°	818.6	704.9	632.6	574.8	529.9	489.3	457.2	433.4	383.3	318.0	253.8
-35°	762.3	650.7	575.8	529.4	489.1	454.3	424.1	388.8	341.5	286.7	230.9
-37.5°	704.7	612.5	525.0	482.5	446.7	418.2	388.9	352.7	300.9	255.9	208.4
-40°	661.9	575.6	495.0	435.2	405.5	380.9	353.1	315.3	264.9	225.8	186.2
-42.5°	618.1	540.8	465.8	393.1	363.9	341.3	316.5	279.2	236.5	199.3	164.6
-45°	578.3	505.4	435.6	368.2	321.1	301.2	278.7	245.1	209.6	175.2	144.3
-47.5°	537.5	470.9	403.9	340.1	280.4	261.8	243.0	216.6	183.5	152.3	125.9
-50°	498.0	433.4	369.1	307.7	251.5	226.7	210.5	189.3	162.2	133.0	108.1
-52.5°	444.8	391.2	329.3	271.4	227.3	194.4	183.2	163.4	141.1	115.5	91.0
-55°	386.7	342.5	284.4	240.3	203.3	171.0	157.6	141.1	120.3	99.0	75.2
-57.5°	328.3	287.0	247.8	212.1	180.5	152.1	134.1	119.2	102.0	82.7	64.2
-60°	275.7	247.8	215.3	185.6	158.2	132.5	111.8	98.9	84.8	67.7	53.9
-62.5°	240.5	212.9	185.6	159.5	135.8	112.5	90.8	81.4	68.0	57.3	44.0
-65°	206.4	181.1	155.8	134.9	113.7	92.9	74.7	64.3	56.5	47.2	34.9
-67.5°	172.0	148.3	129.6	110.8	92.3	75.0	59.0	52.8	46.7	37.4	27.2
-70°	129.4	113.1	101.8	87.0	71.2	57.4	49.2	43.9	37.3	28.4	19.3
-72.5°	93.0	84.7	74.9	62.9	53.1	45.4	39.9	34.9	27.2	19.3	11.4
-75°	66.1	58.7	51.1	43.4	37.1	32.7	28.9	23.5	16.9	10.2	9.3
-77.5°	41.4	35.3	29.0	25.7	23.7	20.8	17.0	12.1	9.3	9.3	9.3
-80°	22.2	19.8	17.2	14.7	12.3	9.3	9.3	9.3	9.3	9.3	9.3
-82.5°	9.7	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	8.4
-85°	9.3	9.3	9.3	9.3	9.3	9.3	8.6	7.9	7.1	6.4	5.6
-87.5°	6.3	6.0	5.7	5.3	5.0	4.6	4.3	3.9	3.6	3.2	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
85°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
82.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
80°	9.3	8.0	6.4	4.8	3.2	1.6	0.0
77.5°	9.3	9.3	8.0	6.0	4.0	2.0	0.0
75°	9.3	9.3	9.3	7.2	4.8	2.4	0.0
72.5°	9.3	9.3	9.3	8.4	5.6	2.8	0.0
70°	10.2	9.3	9.3	9.3	6.4	3.2	0.0
67.5°	17.2	9.3	9.3	9.3	7.1	3.6	0.0
65°	24.2	12.4	9.3	9.3	7.9	3.9	0.0
62.5°	31.2	18.5	9.3	9.3	8.6	4.3	0.0
60°	38.1	24.6	9.3	9.3	9.3	4.6	0.0
57.5°	47.8	30.7	14.1	9.3	9.3	5.0	0.0
55°	58.0	36.7	19.1	9.3	9.3	5.3	0.0
52.5°	68.4	43.2	24.0	9.3	9.3	5.7	0.0
50°	79.0	52.4	28.8	9.3	9.3	6.0	0.0
47.5°	90.6	61.7	33.5	10.2	9.3	6.3	0.0
45°	106.6	71.0	38.2	13.7	9.3	6.6	0.0
42.5°	123.0	80.3	42.7	17.0	9.3	6.9	0.0
40°	139.6	89.6	48.6	20.3	9.3	7.1	0.0
37.5°	156.5	98.8	55.7	23.3	9.3	7.4	0.0
35°	173.5	110.9	62.7	26.2	9.3	7.6	0.0
32.5°	191.0	124.2	69.6	28.9	9.3	7.8	0.0
30°	209.5	137.3	76.2	31.4	9.3	8.1	0.0
27.5°	227.8	150.2	81.1	33.8	9.3	8.2	0.0
25°	245.9	162.8	85.1	35.9	9.3	8.4	0.0
22.5°	263.7	172.8	88.5	37.9	9.3	8.6	0.0
20°	281.1	176.4	91.2	39.7	9.3	8.7	0.0
17.5°	290.0	178.4	93.3	41.2	9.3	8.9	0.0
15°	293.2	178.9	94.8	42.6	9.3	9.0	0.0
12.5°	295.3	178.1	95.7	43.7	9.3	9.1	0.0
10°	296.4	176.1	96.1	44.7	9.3	9.2	0.0
7.5°	296.2	172.9	95.9	45.4	9.3	9.2	0.0
5°	294.8	168.7	95.3	46.0	9.3	9.3	0.0
2.5°	292.0	163.6	94.3	46.3	9.3	9.3	0.0
0°	287.8	157.8	92.8	46.4	9.3	9.3	0.0
-2.5°	292.0	163.6	94.3	46.3	9.3	9.3	0.0
-5°	294.8	168.7	95.3	46.0	9.3	9.3	0.0
-7.5°	296.2	172.9	95.9	45.4	9.3	9.2	0.0
-10°	296.4	176.1	96.1	44.7	9.3	9.2	0.0
-12.5°	295.3	178.1	95.7	43.7	9.3	9.1	0.0
-15°	293.2	178.9	94.8	42.6	9.3	9.0	0.0
-17.5°	290.0	178.4	93.3	41.2	9.3	8.9	0.0
-20°	281.1	176.4	91.2	39.7	9.3	8.7	0.0

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REPORT NUMBER: P624790 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-11

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	263.7	172.8	88.5	37.9	9.3	8.6	0.0
-25°	245.9	162.8	85.1	35.9	9.3	8.4	0.0
-27.5°	227.8	150.2	81.1	33.8	9.3	8.2	0.0
-30°	209.5	137.3	76.2	31.4	9.3	8.1	0.0
-32.5°	191.0	124.2	69.6	28.9	9.3	7.8	0.0
-35°	173.5	110.9	62.7	26.2	9.3	7.6	0.0
-37.5°	156.5	98.8	55.7	23.3	9.3	7.4	0.0
-40°	139.6	89.6	48.6	20.3	9.3	7.1	0.0
-42.5°	123.0	80.3	42.7	17.0	9.3	6.9	0.0
-45°	106.6	71.0	38.2	13.7	9.3	6.6	0.0
-47.5°	90.6	61.7	33.5	10.2	9.3	6.3	0.0
-50°	79.0	52.4	28.8	9.3	9.3	6.0	0.0
-52.5°	68.4	43.2	24.0	9.3	9.3	5.7	0.0
-55°	58.0	36.7	19.1	9.3	9.3	5.3	0.0
-57.5°	47.8	30.7	14.1	9.3	9.3	5.0	0.0
-60°	38.1	24.6	9.3	9.3	9.3	4.6	0.0
-62.5°	31.2	18.5	9.3	9.3	8.6	4.3	0.0
-65°	24.2	12.4	9.3	9.3	7.9	3.9	0.0
-67.5°	17.2	9.3	9.3	9.3	7.1	3.6	0.0
-70°	10.2	9.3	9.3	9.3	6.4	3.2	0.0
-72.5°	9.3	9.3	9.3	8.4	5.6	2.8	0.0
-75°	9.3	9.3	9.3	7.2	4.8	2.4	0.0
-77.5°	9.3	9.3	8.0	6.0	4.0	2.0	0.0
-80°	9.3	8.0	6.4	4.8	3.2	1.6	0.0
-82.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
-85°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-87.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)