

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: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-4000K-22**

Issue Date: 11/8/2022

**Test Information**

Test Method: LM-79-08  
 Report Number: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)  
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-58)  
 Test Lab: INNOVATION CENTER  
 Issue Date: 11/8/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: EPHESUS  
 Catalog Number: EPH-VN-08-E-PRO-4000K-22  
 Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
 3000K AND TYPE 22 OPTICS  
 Light Source: -  
 Ballast/Driver: ELECTRONIC DRIVER

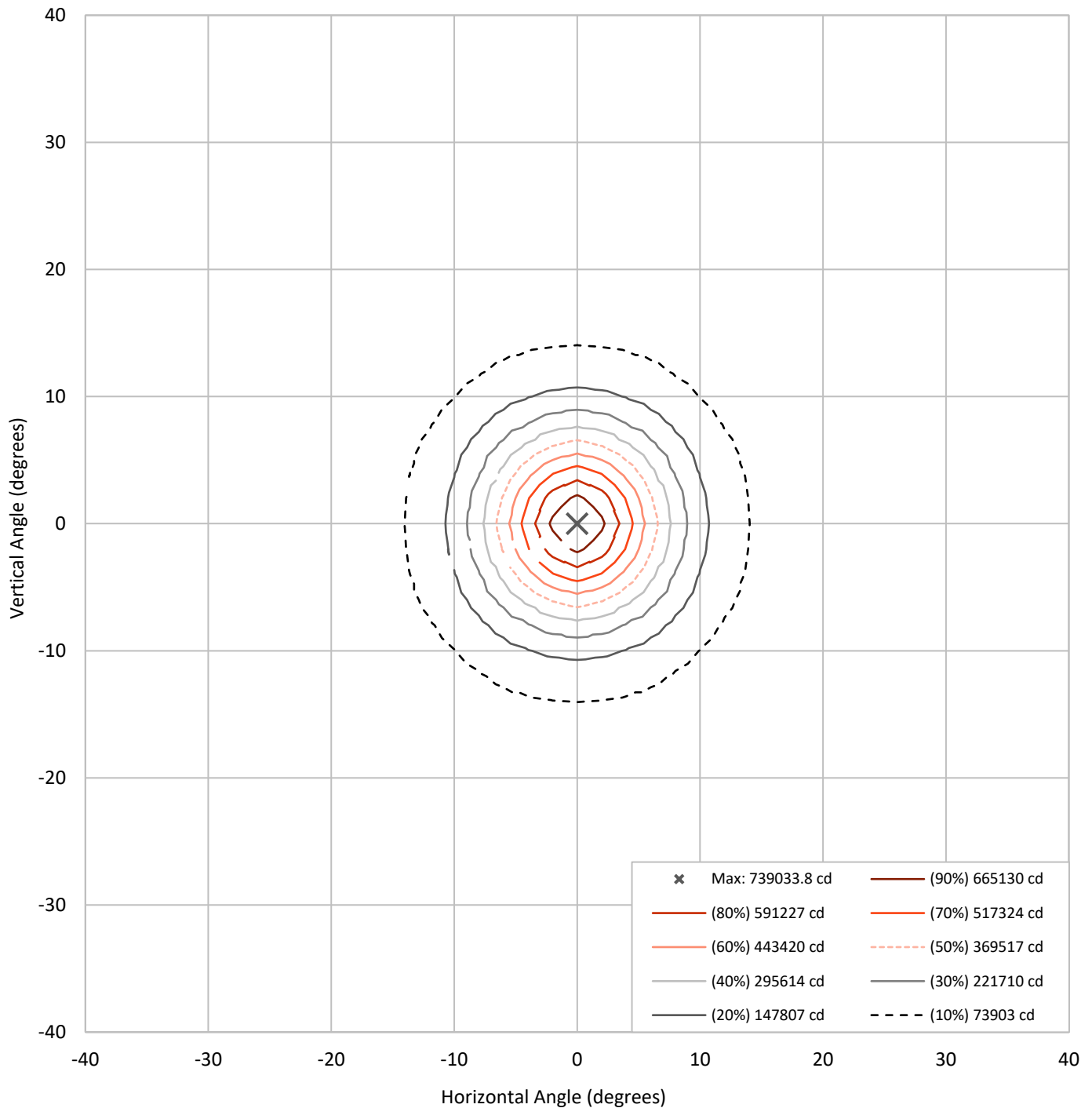
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	62885.2 lumens	Max Intensity:	739033.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.0 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	13°H x 13°V	Field Angle (10%):	28.1°H x 28.1°V
Beam Lumens:	22416.1 lumens	Field Lumens:	44478.4 lumens
Beam Efficiency:	35.6%	Field Efficiency:	70.7%

Input Watts (W): 499  
 Input Voltage (V): NR  
 Input Current (A<sub>in</sub>): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT

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CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

### Iso-Candela Plot





REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

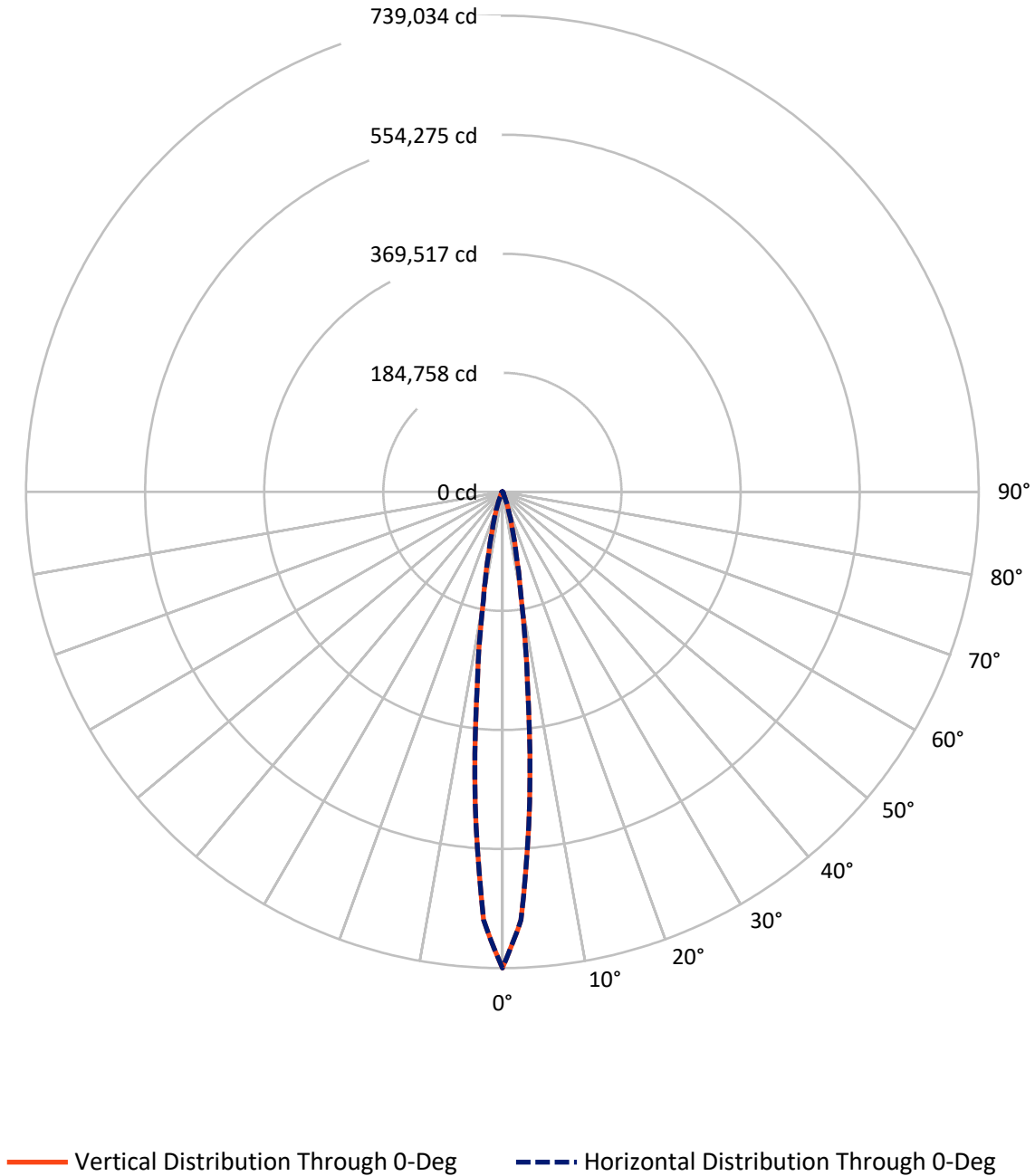
CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

### Lumen Table

90	1.1	8.5	22.8	37.1	42.9	37.1	22.8	8.5	1.1										
80	1.1	8.5	22.8	37.1	42.9	37.1	22.8	8.5	1.1										
70	3.9	4.4	9.2	15.2	21.3	26.5	30.3	32.3	32.3	30.3	26.5	21.3	15.2	9.2	4.4	3.9			
60		6.8	14.0	22.2	29.5	35.2	39.2	41.3	41.3	39.2	35.2	29.5	22.2	14.0	6.8				
50	7.1	9.2	18.0	26.8	34.3	41.3	47.9	52.2	52.2	47.9	41.3	34.3	26.8	18.0	9.2	7.1			
40		11.1	20.7	29.6	39.5	53.1	66.5	75.3	75.3	66.5	53.1	39.5	29.6	20.7	11.1				
30	9.6	12.5	22.3	32.2	48.1	70.5	124.2	231.8	231.8	124.2	70.5	48.1	32.2	22.3	12.5	9.6			
20		13.4	23.3	35.2	56.5	117.0	581.1	1768.9	1768.9	581.1	117.0	56.5	35.2	23.3	13.4				
10	10.4	13.9	23.8	37.2	62.1	213.2	1724.8	9539.4	9539.4	1724.8	213.2	62.1	37.2	23.8	13.9	10.4			
0		13.9	23.8	37.2	62.1	213.2	1724.8	9539.4	9539.4	1724.8	213.2	62.1	37.2	23.8	13.9				
-10	9.6	13.4	23.3	35.2	56.5	117.0	581.1	1768.9	1768.9	581.1	117.0	56.5	35.2	23.3	13.4	9.6			
-20		12.5	22.3	32.2	48.1	70.5	124.2	231.8	231.8	124.2	70.5	48.1	32.2	22.3	12.5				
-30	7.1	11.1	20.7	29.6	39.5	53.1	66.5	75.3	75.3	66.5	53.1	39.5	29.6	20.7	11.1	7.1			
-40		9.2	18.0	26.8	34.3	41.3	47.9	52.2	52.2	47.9	41.3	34.3	26.8	18.0	9.2				
-50	3.9	6.8	14.0	22.2	29.5	35.2	39.2	41.3	41.3	39.2	35.2	29.5	22.2	14.0	6.8	3.9			
-60		4.4	9.2	15.2	21.3	26.5	30.3	32.3	32.3	30.3	26.5	21.3	15.2	9.2	4.4				
-70	1.1	8.5	22.8	37.1	42.9	37.1	22.8	8.5	1.1										
-80		1.1	8.5	22.8	37.1	42.9	37.1	22.8	8.5	1.1									
-90	1.1	8.5	22.8	37.1	42.9	37.1	22.8	8.5	1.1										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

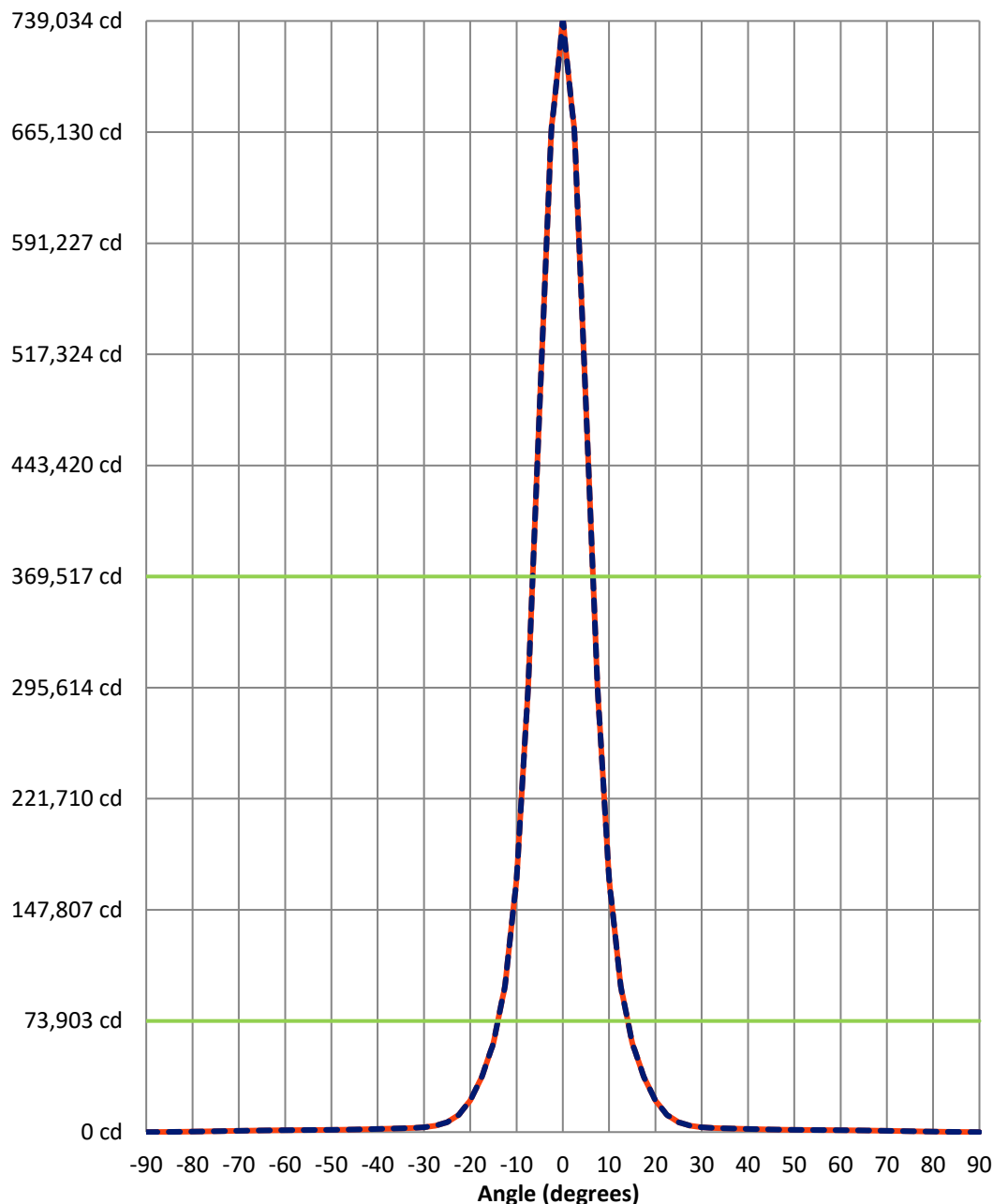
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13°  
 V Angle: 13°  
 Lumens: 22416.1  
 Efficiency: 35.6%

**Field:**  
 H Angle: 28.1°  
 V Angle: 28.1°  
 Lumens: 44478.4  
 Efficiency: 70.7%

**Spill:**  
 Lumens: 18406.8  
 Efficiency: 29.3%

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

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.3	4.6	7.0	9.3	11.5	13.8	16.0	18.2	20.4	22.5
85°	0.0	4.6	9.3	13.9	18.5	23.0	27.6	32.0	36.4	40.7	45.0
82.5°	0.0	7.0	13.9	20.8	27.7	34.5	41.3	48.0	54.9	63.0	70.9
80°	0.0	9.3	18.5	27.7	36.8	45.9	55.3	66.4	77.4	88.2	98.8
77.5°	0.0	11.5	23.0	34.5	45.9	58.2	72.2	86.1	99.8	113.3	128.5
75°	0.0	13.8	27.6	41.3	55.3	72.2	89.0	105.6	122.6	143.6	164.2
72.5°	0.0	16.0	32.0	48.0	66.4	86.1	105.6	126.4	151.1	175.5	199.5
70°	0.0	18.2	36.4	54.9	77.4	99.8	122.6	151.1	179.3	207.3	243.1
67.5°	0.0	20.4	40.7	63.0	88.2	113.3	143.6	175.5	207.3	248.1	288.3
65°	0.0	22.5	45.0	70.9	98.8	128.5	164.2	199.5	243.1	288.3	333.5
62.5°	0.0	24.6	49.2	78.7	109.2	145.4	184.4	228.2	278.3	328.2	379.7
60°	0.0	26.6	53.2	86.4	119.4	161.9	204.2	258.4	312.7	369.1	425.1
57.5°	0.0	28.6	58.2	93.8	132.1	178.0	228.8	287.9	347.9	409.1	474.5
55°	0.0	30.6	63.0	101.1	144.7	193.6	253.4	316.6	382.6	449.5	525.0
52.5°	0.0	32.4	67.7	108.1	156.9	209.6	277.3	346.0	416.4	493.9	574.3
50°	0.0	34.3	72.3	114.9	168.6	228.9	300.5	374.6	450.7	536.9	620.0
47.5°	0.0	36.0	76.6	121.9	180.0	247.6	323.1	402.2	487.6	578.5	664.1
45°	0.0	37.7	80.8	130.1	190.9	265.5	345.8	428.8	523.2	616.7	706.6
42.5°	0.0	39.3	84.8	138.0	201.4	282.6	367.7	456.8	557.3	653.4	747.5
40°	0.0	40.8	88.7	145.5	212.9	299.0	388.5	485.3	589.5	688.5	786.6
37.5°	0.0	42.3	92.3	152.6	225.4	314.6	408.3	512.4	619.1	721.9	824.0
35°	0.0	43.7	95.8	159.3	237.1	329.9	427.1	538.0	647.1	753.6	858.7
32.5°	0.0	44.9	99.0	165.6	248.2	344.5	445.6	562.1	673.5	783.4	890.4
30°	0.0	46.2	102.0	171.5	258.5	358.2	464.8	584.5	698.2	811.4	920.1
27.5°	0.0	47.3	104.8	176.9	268.1	370.9	482.7	604.4	721.1	837.4	947.8
25°	0.0	48.3	107.4	182.0	276.9	382.6	499.2	622.8	742.3	860.7	973.3
22.5°	0.0	49.2	109.7	186.5	284.9	393.3	514.2	639.6	761.6	881.5	994.1
20°	0.0	50.1	111.8	190.7	292.1	402.8	527.7	654.7	779.1	900.2	1013.0
17.5°	0.0	50.8	113.7	194.3	298.5	411.4	539.7	668.2	794.5	916.9	1029.8
15°	0.0	51.5	115.4	197.5	304.1	418.8	550.2	679.9	808.0	931.5	1044.4
12.5°	0.0	52.0	116.7	200.2	308.9	425.1	559.1	689.8	819.5	943.9	1056.9
10°	0.0	52.5	117.9	202.4	312.7	430.3	566.4	698.0	828.9	954.1	1067.2
7.5°	0.0	52.8	118.8	204.2	315.8	434.3	572.1	704.4	836.3	962.0	1075.2
5°	0.0	53.1	119.4	205.4	318.0	437.2	576.1	708.9	841.6	967.7	1080.9
2.5°	0.0	53.2	119.8	206.2	319.3	438.9	578.6	711.7	844.7	971.2	1084.3
0°	0.0	53.3	119.9	206.4	319.7	439.5	579.4	712.6	845.8	972.3	1085.5
-2.5°	0.0	53.2	119.8	206.2	319.3	438.9	578.6	711.7	844.7	971.2	1084.3
-5°	0.0	53.1	119.4	205.4	318.0	437.2	576.1	708.9	841.6	967.7	1080.9
-7.5°	0.0	52.8	118.8	204.2	315.8	434.3	572.1	704.4	836.3	962.0	1075.2
-10°	0.0	52.5	117.9	202.4	312.7	430.3	566.4	698.0	828.9	954.1	1067.2
-12.5°	0.0	52.0	116.7	200.2	308.9	425.1	559.1	689.8	819.5	943.9	1056.9
-15°	0.0	51.5	115.4	197.5	304.1	418.8	550.2	679.9	808.0	931.5	1044.4
-17.5°	0.0	50.8	113.7	194.3	298.5	411.4	539.7	668.2	794.5	916.9	1029.8
-20°	0.0	50.1	111.8	190.7	292.1	402.8	527.7	654.7	779.1	900.2	1013.0

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	49.2	109.7	186.5	284.9	393.3	514.2	639.6	761.6	881.5	994.1
-25°	0.0	48.3	107.4	182.0	276.9	382.6	499.2	622.8	742.3	860.7	973.3
-27.5°	0.0	47.3	104.8	176.9	268.1	370.9	482.7	604.4	721.1	837.4	947.8
-30°	0.0	46.2	102.0	171.5	258.5	358.2	464.8	584.5	698.2	811.4	920.1
-32.5°	0.0	44.9	99.0	165.6	248.2	344.5	445.6	562.1	673.5	783.4	890.4
-35°	0.0	43.7	95.8	159.3	237.1	329.9	427.1	538.0	647.1	753.6	858.7
-37.5°	0.0	42.3	92.3	152.6	225.4	314.6	408.3	512.4	619.1	721.9	824.0
-40°	0.0	40.8	88.7	145.5	212.9	299.0	388.5	485.3	589.5	688.5	786.6
-42.5°	0.0	39.3	84.8	138.0	201.4	282.6	367.7	456.8	557.3	653.4	747.5
-45°	0.0	37.7	80.8	130.1	190.9	265.5	345.8	428.8	523.2	616.7	706.6
-47.5°	0.0	36.0	76.6	121.9	180.0	247.6	323.1	402.2	487.6	578.5	664.1
-50°	0.0	34.3	72.3	114.9	168.6	228.9	300.5	374.6	450.7	536.9	620.0
-52.5°	0.0	32.4	67.7	108.1	156.9	209.6	277.3	346.0	416.4	493.9	574.3
-55°	0.0	30.6	63.0	101.1	144.7	193.6	253.4	316.6	382.6	449.5	525.0
-57.5°	0.0	28.6	58.2	93.8	132.1	178.0	228.8	287.9	347.9	409.1	474.5
-60°	0.0	26.6	53.2	86.4	119.4	161.9	204.2	258.4	312.7	369.1	425.1
-62.5°	0.0	24.6	49.2	78.7	109.2	145.4	184.4	228.2	278.3	328.2	379.7
-65°	0.0	22.5	45.0	70.9	98.8	128.5	164.2	199.5	243.1	288.3	333.5
-67.5°	0.0	20.4	40.7	63.0	88.2	113.3	143.6	175.5	207.3	248.1	288.3
-70°	0.0	18.2	36.4	54.9	77.4	99.8	122.6	151.1	179.3	207.3	243.1
-72.5°	0.0	16.0	32.0	48.0	66.4	86.1	105.6	126.4	151.1	175.5	199.5
-75°	0.0	13.8	27.6	41.3	55.3	72.2	89.0	105.6	122.6	143.6	164.2
-77.5°	0.0	11.5	23.0	34.5	45.9	58.2	72.2	86.1	99.8	113.3	128.5
-80°	0.0	9.3	18.5	27.7	36.8	45.9	55.3	66.4	77.4	88.2	98.8
-82.5°	0.0	7.0	13.9	20.8	27.7	34.5	41.3	48.0	54.9	63.0	70.9
-85°	0.0	4.6	9.3	13.9	18.5	23.0	27.6	32.0	36.4	40.7	45.0
-87.5°	0.0	2.3	4.6	7.0	9.3	11.5	13.8	16.0	18.2	20.4	22.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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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°	24.6	26.6	28.6	30.6	32.4	34.3	36.0	37.7	39.3	40.8	42.3
85°	49.2	53.2	58.2	63.0	67.7	72.3	76.6	80.8	84.8	88.7	92.3
82.5°	78.7	86.4	93.8	101.1	108.1	114.9	121.9	130.1	138.0	145.5	152.6
80°	109.2	119.4	132.1	144.7	156.9	168.6	180.0	190.9	201.4	212.9	225.4
77.5°	145.4	161.9	178.0	193.6	209.6	228.9	247.6	265.5	282.6	299.0	314.6
75°	184.4	204.2	228.8	253.4	277.3	300.5	323.1	345.8	367.7	388.5	408.3
72.5°	228.2	258.4	287.9	316.6	346.0	374.6	402.2	428.8	456.8	485.3	512.4
70°	278.3	312.7	347.9	382.6	416.4	450.7	487.6	523.2	557.3	589.5	619.1
67.5°	328.2	369.1	409.1	449.5	493.9	536.9	578.5	616.7	653.4	688.5	721.9
65°	379.7	425.1	474.5	525.0	574.3	620.0	664.1	706.6	747.5	786.6	824.0
62.5°	430.4	487.0	543.9	598.5	650.0	700.1	748.7	795.5	840.7	882.0	921.2
60°	487.0	550.2	610.5	668.2	724.4	779.1	832.1	881.5	928.4	973.3	1011.7
57.5°	543.9	610.5	674.2	736.6	797.4	856.1	910.8	963.7	1010.2	1054.0	1094.1
55°	598.5	668.2	736.6	803.6	867.9	928.5	985.8	1036.9	1086.1	1125.2	1162.6
52.5°	650.0	724.4	797.4	867.9	934.5	996.6	1053.1	1104.0	1147.7	1187.4	1219.1
50°	700.1	779.1	856.1	928.5	996.6	1058.5	1113.0	1161.3	1201.8	1237.3	1267.8
47.5°	748.7	832.1	910.8	985.8	1053.1	1113.0	1165.9	1209.1	1248.3	1280.0	1309.8
45°	795.5	881.5	963.7	1036.9	1104.0	1161.3	1209.1	1252.0	1286.1	1318.2	1346.5
42.5°	840.7	928.4	1010.2	1086.1	1147.7	1201.8	1248.3	1286.1	1321.0	1352.1	1382.2
40°	882.0	973.3	1054.0	1125.2	1187.4	1237.3	1280.0	1318.2	1352.1	1385.1	1416.9
37.5°	921.2	1011.7	1094.1	1162.6	1219.1	1267.8	1309.8	1346.5	1382.2	1416.9	1458.6
35°	958.4	1048.3	1127.0	1194.1	1249.4	1294.5	1335.4	1373.6	1411.1	1454.9	1503.5
32.5°	991.3	1082.9	1158.1	1220.6	1273.4	1318.9	1359.6	1399.5	1443.8	1493.6	1554.2
30°	1020.8	1110.1	1185.5	1245.7	1295.5	1340.2	1382.4	1425.5	1476.6	1539.1	1621.9
27.5°	1048.3	1135.0	1206.9	1265.9	1315.8	1360.1	1403.9	1454.3	1514.2	1588.6	1696.1
25°	1073.7	1158.1	1226.8	1283.7	1332.9	1378.7	1425.3	1481.3	1551.8	1653.8	1781.5
22.5°	1094.9	1179.1	1245.0	1299.9	1348.6	1395.7	1448.4	1512.4	1595.9	1715.1	1865.1
20°	1112.2	1194.1	1259.8	1314.3	1362.9	1411.2	1469.3	1541.9	1647.3	1786.4	1943.7
17.5°	1127.6	1207.4	1271.8	1326.0	1375.7	1426.7	1489.1	1568.3	1693.6	1850.7	2015.8
15°	1141.0	1219.1	1282.3	1336.3	1386.9	1442.0	1510.6	1604.0	1741.0	1908.2	2079.8
12.5°	1152.4	1229.1	1291.3	1345.0	1396.4	1455.0	1529.0	1636.4	1786.2	1959.0	2138.8
10°	1161.8	1237.3	1298.7	1352.3	1404.3	1465.7	1544.2	1663.2	1823.6	2001.2	2188.0
7.5°	1169.2	1243.7	1304.4	1357.9	1410.5	1474.2	1556.1	1684.2	1853.0	2034.5	2226.8
5°	1174.5	1248.3	1308.6	1361.9	1414.9	1480.2	1564.7	1699.3	1874.2	2058.5	2254.9
2.5°	1177.6	1251.1	1311.1	1364.4	1417.6	1483.9	1569.9	1708.4	1887.0	2073.0	2271.8
0°	1178.7	1252.0	1311.9	1365.2	1418.5	1485.1	1571.6	1711.5	1891.3	2077.8	2277.5
-2.5°	1177.6	1251.1	1311.1	1364.4	1417.6	1483.9	1569.9	1708.4	1887.0	2073.0	2271.8
-5°	1174.5	1248.3	1308.6	1361.9	1414.9	1480.2	1564.7	1699.3	1874.2	2058.5	2254.9
-7.5°	1169.2	1243.7	1304.4	1357.9	1410.5	1474.2	1556.1	1684.2	1853.0	2034.5	2226.8
-10°	1161.8	1237.3	1298.7	1352.3	1404.3	1465.7	1544.2	1663.2	1823.6	2001.2	2188.0
-12.5°	1152.4	1229.1	1291.3	1345.0	1396.4	1455.0	1529.0	1636.4	1786.2	1959.0	2138.8
-15°	1141.0	1219.1	1282.3	1336.3	1386.9	1442.0	1510.6	1604.0	1741.0	1908.2	2079.8
-17.5°	1127.6	1207.4	1271.8	1326.0	1375.7	1426.7	1489.1	1568.3	1693.6	1850.7	2015.8
-20°	1112.2	1194.1	1259.8	1314.3	1362.9	1411.2	1469.3	1541.9	1647.3	1786.4	1943.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1094.9	1179.1	1245.0	1299.9	1348.6	1395.7	1448.4	1512.4	1595.9	1715.1	1865.1
-25°	1073.7	1158.1	1226.8	1283.7	1332.9	1378.7	1425.3	1481.3	1551.8	1653.8	1781.5
-27.5°	1048.3	1135.0	1206.9	1265.9	1315.8	1360.1	1403.9	1454.3	1514.2	1588.6	1696.1
-30°	1020.8	1110.1	1185.5	1245.7	1295.5	1340.2	1382.4	1425.5	1476.6	1539.1	1621.9
-32.5°	991.3	1082.9	1158.1	1220.6	1273.4	1318.9	1359.6	1399.5	1443.8	1493.6	1554.2
-35°	958.4	1048.3	1127.0	1194.1	1249.4	1294.5	1335.4	1373.6	1411.1	1454.9	1503.5
-37.5°	921.2	1011.7	1094.1	1162.6	1219.1	1267.8	1309.8	1346.5	1382.2	1416.9	1458.6
-40°	882.0	973.3	1054.0	1125.2	1187.4	1237.3	1280.0	1318.2	1352.1	1385.1	1416.9
-42.5°	840.7	928.4	1010.2	1086.1	1147.7	1201.8	1248.3	1286.1	1321.0	1352.1	1382.2
-45°	795.5	881.5	963.7	1036.9	1104.0	1161.3	1209.1	1252.0	1286.1	1318.2	1346.5
-47.5°	748.7	832.1	910.8	985.8	1053.1	1113.0	1165.9	1209.1	1248.3	1280.0	1309.8
-50°	700.1	779.1	856.1	928.5	996.6	1058.5	1113.0	1161.3	1201.8	1237.3	1267.8
-52.5°	650.0	724.4	797.4	867.9	934.5	996.6	1053.1	1104.0	1147.7	1187.4	1219.1
-55°	598.5	668.2	736.6	803.6	867.9	928.5	985.8	1036.9	1086.1	1125.2	1162.6
-57.5°	543.9	610.5	674.2	736.6	797.4	856.1	910.8	963.7	1010.2	1054.0	1094.1
-60°	487.0	550.2	610.5	668.2	724.4	779.1	832.1	881.5	928.4	973.3	1011.7
-62.5°	430.4	487.0	543.9	598.5	650.0	700.1	748.7	795.5	840.7	882.0	921.2
-65°	379.7	425.1	474.5	525.0	574.3	620.0	664.1	706.6	747.5	786.6	824.0
-67.5°	328.2	369.1	409.1	449.5	493.9	536.9	578.5	616.7	653.4	688.5	721.9
-70°	278.3	312.7	347.9	382.6	416.4	450.7	487.6	523.2	557.3	589.5	619.1
-72.5°	228.2	258.4	287.9	316.6	346.0	374.6	402.2	428.8	456.8	485.3	512.4
-75°	184.4	204.2	228.8	253.4	277.3	300.5	323.1	345.8	367.7	388.5	408.3
-77.5°	145.4	161.9	178.0	193.6	209.6	228.9	247.6	265.5	282.6	299.0	314.6
-80°	109.2	119.4	132.1	144.7	156.9	168.6	180.0	190.9	201.4	212.9	225.4
-82.5°	78.7	86.4	93.8	101.1	108.1	114.9	121.9	130.1	138.0	145.5	152.6
-85°	49.2	53.2	58.2	63.0	67.7	72.3	76.6	80.8	84.8	88.7	92.3
-87.5°	24.6	26.6	28.6	30.6	32.4	34.3	36.0	37.7	39.3	40.8	42.3
-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: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	43.7	44.9	46.2	47.3	48.3	49.2	50.1	50.8	51.5	52.0	52.5
85°	95.8	99.0	102.0	104.8	107.4	109.7	111.8	113.7	115.4	116.7	117.9
82.5°	159.3	165.6	171.5	176.9	182.0	186.5	190.7	194.3	197.5	200.2	202.4
80°	237.1	248.2	258.5	268.1	276.9	284.9	292.1	298.5	304.1	308.9	312.7
77.5°	329.9	344.5	358.2	370.9	382.6	393.3	402.8	411.4	418.8	425.1	430.3
75°	427.1	445.6	464.8	482.7	499.2	514.2	527.7	539.7	550.2	559.1	566.4
72.5°	538.0	562.1	584.5	604.4	622.8	639.6	654.7	668.2	679.9	689.8	698.0
70°	647.1	673.5	698.2	721.1	742.3	761.6	779.1	794.5	808.0	819.5	828.9
67.5°	753.6	783.4	811.4	837.4	860.7	881.5	900.2	916.9	931.5	943.9	954.1
65°	858.7	890.4	920.1	947.8	973.3	994.1	1013.0	1029.8	1044.4	1056.9	1067.2
62.5°	958.4	991.3	1020.8	1048.3	1073.7	1094.9	1112.2	1127.6	1141.0	1152.4	1161.8
60°	1048.3	1082.9	1110.1	1135.0	1158.1	1179.1	1194.1	1207.4	1219.1	1229.1	1237.3
57.5°	1127.0	1158.1	1185.5	1206.9	1226.8	1245.0	1259.8	1271.8	1282.3	1291.3	1298.7
55°	1194.1	1220.6	1245.7	1265.9	1283.7	1299.9	1314.3	1326.0	1336.3	1345.0	1352.3
52.5°	1249.4	1273.4	1295.5	1315.8	1332.9	1348.6	1362.9	1375.7	1386.9	1396.4	1404.3
50°	1294.5	1318.9	1340.2	1360.1	1378.7	1395.7	1411.2	1426.7	1442.0	1455.0	1465.7
47.5°	1335.4	1359.6	1382.4	1403.9	1425.3	1448.4	1469.3	1489.1	1510.6	1529.0	1544.2
45°	1373.6	1399.5	1425.5	1454.3	1481.3	1512.4	1541.9	1568.3	1604.0	1636.4	1663.2
42.5°	1411.1	1443.8	1476.6	1514.2	1551.8	1595.9	1647.3	1693.6	1741.0	1786.2	1823.6
40°	1454.9	1493.6	1539.1	1588.6	1653.8	1715.1	1786.4	1850.7	1908.2	1959.0	2001.2
37.5°	1503.5	1554.2	1621.9	1696.1	1781.5	1865.1	1943.7	2015.8	2079.8	2138.8	2188.0
35°	1559.3	1638.7	1724.9	1826.7	1923.9	2016.8	2104.3	2187.6	2261.6	2325.8	2379.4
32.5°	1638.7	1736.1	1849.6	1960.4	2066.7	2172.6	2271.3	2361.3	2441.6	2518.2	2588.4
30°	1724.9	1849.6	1972.6	2093.0	2214.4	2328.6	2434.8	2542.9	2647.5	2760.3	2913.7
27.5°	1826.7	1960.4	2093.0	2228.5	2357.8	2480.6	2617.5	2769.8	2996.6	3195.6	3565.9
25°	1923.9	2066.7	2214.4	2357.8	2498.8	2655.5	2888.1	3160.0	3660.5	4141.0	4893.2
22.5°	2016.8	2172.6	2328.6	2480.6	2655.5	2928.1	3300.6	3949.5	4876.9	6019.5	7493.6
20°	2104.3	2271.3	2434.8	2617.5	2888.1	3300.6	4047.5	5324.3	6914.2	9569.9	12307.5
17.5°	2187.6	2361.3	2542.9	2769.8	3160.0	3949.5	5324.3	7421.8	10646.3	15695.9	20770.3
15°	2261.6	2441.6	2647.5	2996.6	3660.5	4876.9	6914.2	10646.3	16858.2	24619.6	33821.9
12.5°	2325.8	2518.2	2760.3	3195.6	4141.0	6019.5	9569.9	15695.9	24619.6	36057.0	50615.3
10°	2379.4	2588.4	2913.7	3565.9	4893.2	7493.6	12307.5	20770.3	33821.9	50615.3	72847.0
7.5°	2421.8	2644.1	3035.7	3862.7	5605.1	9167.7	16026.2	27376.3	43644.3	66142.5	97939.4
5°	2452.5	2684.4	3124.5	4079.2	6126.9	10401.8	18789.0	32476.1	52098.6	82859.4	135080.9
2.5°	2471.1	2708.9	3178.4	4211.1	6445.7	11159.0	20493.9	35648.9	57421.6	93580.2	159620.5
0°	2477.3	2717.1	3196.5	4255.4	6552.9	11414.3	21070.5	36726.9	59242.6	97288.1	168271.3
-2.5°	2471.1	2708.9	3178.4	4211.1	6445.7	11159.0	20493.9	35648.9	57421.6	93580.2	159620.5
-5°	2452.5	2684.4	3124.5	4079.2	6126.9	10401.8	18789.0	32476.1	52098.6	82859.4	135080.9
-7.5°	2421.8	2644.1	3035.7	3862.7	5605.1	9167.7	16026.2	27376.3	43644.3	66142.5	97939.4
-10°	2379.4	2588.4	2913.7	3565.9	4893.2	7493.6	12307.5	20770.3	33821.9	50615.3	72847.0
-12.5°	2325.8	2518.2	2760.3	3195.6	4141.0	6019.5	9569.9	15695.9	24619.6	36057.0	50615.3
-15°	2261.6	2441.6	2647.5	2996.6	3660.5	4876.9	6914.2	10646.3	16858.2	24619.6	33821.9
-17.5°	2187.6	2361.3	2542.9	2769.8	3160.0	3949.5	5324.3	7421.8	10646.3	15695.9	20770.3
-20°	2104.3	2271.3	2434.8	2617.5	2888.1	3300.6	4047.5	5324.3	6914.2	9569.9	12307.5



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2016.8	2172.6	2328.6	2480.6	2655.5	2928.1	3300.6	3949.5	4876.9	6019.5	7493.6
-25°	1923.9	2066.7	2214.4	2357.8	2498.8	2655.5	2888.1	3160.0	3660.5	4141.0	4893.2
-27.5°	1826.7	1960.4	2093.0	2228.5	2357.8	2480.6	2617.5	2769.8	2996.6	3195.6	3565.9
-30°	1724.9	1849.6	1972.6	2093.0	2214.4	2328.6	2434.8	2542.9	2647.5	2760.3	2913.7
-32.5°	1638.7	1736.1	1849.6	1960.4	2066.7	2172.6	2271.3	2361.3	2441.6	2518.2	2588.4
-35°	1559.3	1638.7	1724.9	1826.7	1923.9	2016.8	2104.3	2187.6	2261.6	2325.8	2379.4
-37.5°	1503.5	1554.2	1621.9	1696.1	1781.5	1865.1	1943.7	2015.8	2079.8	2138.8	2188.0
-40°	1454.9	1493.6	1539.1	1588.6	1653.8	1715.1	1786.4	1850.7	1908.2	1959.0	2001.2
-42.5°	1411.1	1443.8	1476.6	1514.2	1551.8	1595.9	1647.3	1693.6	1741.0	1786.2	1823.6
-45°	1373.6	1399.5	1425.5	1454.3	1481.3	1512.4	1541.9	1568.3	1604.0	1636.4	1663.2
-47.5°	1335.4	1359.6	1382.4	1403.9	1425.3	1448.4	1469.3	1489.1	1510.6	1529.0	1544.2
-50°	1294.5	1318.9	1340.2	1360.1	1378.7	1395.7	1411.2	1426.7	1442.0	1455.0	1465.7
-52.5°	1249.4	1273.4	1295.5	1315.8	1332.9	1348.6	1362.9	1375.7	1386.9	1396.4	1404.3
-55°	1194.1	1220.6	1245.7	1265.9	1283.7	1299.9	1314.3	1326.0	1336.3	1345.0	1352.3
-57.5°	1127.0	1158.1	1185.5	1206.9	1226.8	1245.0	1259.8	1271.8	1282.3	1291.3	1298.7
-60°	1048.3	1082.9	1110.1	1135.0	1158.1	1179.1	1194.1	1207.4	1219.1	1229.1	1237.3
-62.5°	958.4	991.3	1020.8	1048.3	1073.7	1094.9	1112.2	1127.6	1141.0	1152.4	1161.8
-65°	858.7	890.4	920.1	947.8	973.3	994.1	1013.0	1029.8	1044.4	1056.9	1067.2
-67.5°	753.6	783.4	811.4	837.4	860.7	881.5	900.2	916.9	931.5	943.9	954.1
-70°	647.1	673.5	698.2	721.1	742.3	761.6	779.1	794.5	808.0	819.5	828.9
-72.5°	538.0	562.1	584.5	604.4	622.8	639.6	654.7	668.2	679.9	689.8	698.0
-75°	427.1	445.6	464.8	482.7	499.2	514.2	527.7	539.7	550.2	559.1	566.4
-77.5°	329.9	344.5	358.2	370.9	382.6	393.3	402.8	411.4	418.8	425.1	430.3
-80°	237.1	248.2	258.5	268.1	276.9	284.9	292.1	298.5	304.1	308.9	312.7
-82.5°	159.3	165.6	171.5	176.9	182.0	186.5	190.7	194.3	197.5	200.2	202.4
-85°	95.8	99.0	102.0	104.8	107.4	109.7	111.8	113.7	115.4	116.7	117.9
-87.5°	43.7	44.9	46.2	47.3	48.3	49.2	50.1	50.8	51.5	52.0	52.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	52.8	53.1	53.2	53.3	53.2	53.1	52.8	52.5	52.0	51.5	50.8
85°	118.8	119.4	119.8	119.9	119.8	119.4	118.8	117.9	116.7	115.4	113.7
82.5°	204.2	205.4	206.2	206.4	206.2	205.4	204.2	202.4	200.2	197.5	194.3
80°	315.8	318.0	319.3	319.7	319.3	318.0	315.8	312.7	308.9	304.1	298.5
77.5°	434.3	437.2	438.9	439.5	438.9	437.2	434.3	430.3	425.1	418.8	411.4
75°	572.1	576.1	578.6	579.4	578.6	576.1	572.1	566.4	559.1	550.2	539.7
72.5°	704.4	708.9	711.7	712.6	711.7	708.9	704.4	698.0	689.8	679.9	668.2
70°	836.3	841.6	844.7	845.8	844.7	841.6	836.3	828.9	819.5	808.0	794.5
67.5°	962.0	967.7	971.2	972.3	971.2	967.7	962.0	954.1	943.9	931.5	916.9
65°	1075.2	1080.9	1084.3	1085.5	1084.3	1080.9	1075.2	1067.2	1056.9	1044.4	1029.8
62.5°	1169.2	1174.5	1177.6	1178.7	1177.6	1174.5	1169.2	1161.8	1152.4	1141.0	1127.6
60°	1243.7	1248.3	1251.1	1252.0	1251.1	1248.3	1243.7	1237.3	1229.1	1219.1	1207.4
57.5°	1304.4	1308.6	1311.1	1311.9	1311.1	1308.6	1304.4	1298.7	1291.3	1282.3	1271.8
55°	1357.9	1361.9	1364.4	1365.2	1364.4	1361.9	1357.9	1352.3	1345.0	1336.3	1326.0
52.5°	1410.5	1414.9	1417.6	1418.5	1417.6	1414.9	1410.5	1404.3	1396.4	1386.9	1375.7
50°	1474.2	1480.2	1483.9	1485.1	1483.9	1480.2	1474.2	1465.7	1455.0	1442.0	1426.7
47.5°	1556.1	1564.7	1569.9	1571.6	1569.9	1564.7	1556.1	1544.2	1529.0	1510.6	1489.1
45°	1684.2	1699.3	1708.4	1711.5	1708.4	1699.3	1684.2	1663.2	1636.4	1604.0	1568.3
42.5°	1853.0	1874.2	1887.0	1891.3	1887.0	1874.2	1853.0	1823.6	1786.2	1741.0	1693.6
40°	2034.5	2058.5	2073.0	2077.8	2073.0	2058.5	2034.5	2001.2	1959.0	1908.2	1850.7
37.5°	2226.8	2254.9	2271.8	2277.5	2271.8	2254.9	2226.8	2188.0	2138.8	2079.8	2015.8
35°	2421.8	2452.5	2471.1	2477.3	2471.1	2452.5	2421.8	2379.4	2325.8	2261.6	2187.6
32.5°	2644.1	2684.4	2708.9	2717.1	2708.9	2684.4	2644.1	2588.4	2518.2	2441.6	2361.3
30°	3035.7	3124.5	3178.4	3196.5	3178.4	3124.5	3035.7	2913.7	2760.3	2647.5	2542.9
27.5°	3862.7	4079.2	4211.1	4255.4	4211.1	4079.2	3862.7	3565.9	3195.6	2996.6	2769.8
25°	5605.1	6126.9	6445.7	6552.9	6445.7	6126.9	5605.1	4893.2	4141.0	3660.5	3160.0
22.5°	9167.7	10401.8	11159.0	11414.3	11159.0	10401.8	9167.7	7493.6	6019.5	4876.9	3949.5
20°	16026.2	18789.0	20493.9	21070.5	20493.9	18789.0	16026.2	12307.5	9569.9	6914.2	5324.3
17.5°	27376.3	32476.1	35648.9	36726.9	35648.9	32476.1	27376.3	20770.3	15695.9	10646.3	7421.8
15°	43644.3	52098.6	57421.6	59242.6	57421.6	52098.6	43644.3	33821.9	24619.6	16858.2	10646.3
12.5°	66142.5	82859.4	93580.2	97288.1	93580.2	82859.4	66142.5	50615.3	36057.0	24619.6	15695.9
10°	97939.4	135080.9	159620.5	168271.3	159620.5	135080.9	97939.4	72847.0	50615.3	33821.9	20770.3
7.5°	151479.2	210440.0	270286.1	295653.5	270286.1	210440.0	151479.2	97939.4	66142.5	43644.3	27376.3
5°	210440.0	322906.7	434844.9	483183.9	434844.9	322906.7	210440.0	135080.9	82859.4	52098.6	32476.1
2.5°	270286.1	434844.9	599428.2	665123.8	599428.2	434844.9	270286.1	159620.5	93580.2	57421.6	35648.9
0°	295653.5	483183.9	665123.8	739033.8	665123.8	483183.9	295653.5	168271.3	97288.1	59242.6	36726.9
-2.5°	270286.1	434844.9	599428.2	665123.8	599428.2	434844.9	270286.1	159620.5	93580.2	57421.6	35648.9
-5°	210440.0	322906.7	434844.9	483183.9	434844.9	322906.7	210440.0	135080.9	82859.4	52098.6	32476.1
-7.5°	151479.2	210440.0	270286.1	295653.5	270286.1	210440.0	151479.2	97939.4	66142.5	43644.3	27376.3
-10°	97939.4	135080.9	159620.5	168271.3	159620.5	135080.9	97939.4	72847.0	50615.3	33821.9	20770.3
-12.5°	66142.5	82859.4	93580.2	97288.1	93580.2	82859.4	66142.5	50615.3	36057.0	24619.6	15695.9
-15°	43644.3	52098.6	57421.6	59242.6	57421.6	52098.6	43644.3	33821.9	24619.6	16858.2	10646.3
-17.5°	27376.3	32476.1	35648.9	36726.9	35648.9	32476.1	27376.3	20770.3	15695.9	10646.3	7421.8
-20°	16026.2	18789.0	20493.9	21070.5	20493.9	18789.0	16026.2	12307.5	9569.9	6914.2	5324.3



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9167.7	10401.8	11159.0	11414.3	11159.0	10401.8	9167.7	7493.6	6019.5	4876.9	3949.5
-25°	5605.1	6126.9	6445.7	6552.9	6445.7	6126.9	5605.1	4893.2	4141.0	3660.5	3160.0
-27.5°	3862.7	4079.2	4211.1	4255.4	4211.1	4079.2	3862.7	3565.9	3195.6	2996.6	2769.8
-30°	3035.7	3124.5	3178.4	3196.5	3178.4	3124.5	3035.7	2913.7	2760.3	2647.5	2542.9
-32.5°	2644.1	2684.4	2708.9	2717.1	2708.9	2684.4	2644.1	2588.4	2518.2	2441.6	2361.3
-35°	2421.8	2452.5	2471.1	2477.3	2471.1	2452.5	2421.8	2379.4	2325.8	2261.6	2187.6
-37.5°	2226.8	2254.9	2271.8	2277.5	2271.8	2254.9	2226.8	2188.0	2138.8	2079.8	2015.8
-40°	2034.5	2058.5	2073.0	2077.8	2073.0	2058.5	2034.5	2001.2	1959.0	1908.2	1850.7
-42.5°	1853.0	1874.2	1887.0	1891.3	1887.0	1874.2	1853.0	1823.6	1786.2	1741.0	1693.6
-45°	1684.2	1699.3	1708.4	1711.5	1708.4	1699.3	1684.2	1663.2	1636.4	1604.0	1568.3
-47.5°	1556.1	1564.7	1569.9	1571.6	1569.9	1564.7	1556.1	1544.2	1529.0	1510.6	1489.1
-50°	1474.2	1480.2	1483.9	1485.1	1483.9	1480.2	1474.2	1465.7	1455.0	1442.0	1426.7
-52.5°	1410.5	1414.9	1417.6	1418.5	1417.6	1414.9	1410.5	1404.3	1396.4	1386.9	1375.7
-55°	1357.9	1361.9	1364.4	1365.2	1364.4	1361.9	1357.9	1352.3	1345.0	1336.3	1326.0
-57.5°	1304.4	1308.6	1311.1	1311.9	1311.1	1308.6	1304.4	1298.7	1291.3	1282.3	1271.8
-60°	1243.7	1248.3	1251.1	1252.0	1251.1	1248.3	1243.7	1237.3	1229.1	1219.1	1207.4
-62.5°	1169.2	1174.5	1177.6	1178.7	1177.6	1174.5	1169.2	1161.8	1152.4	1141.0	1127.6
-65°	1075.2	1080.9	1084.3	1085.5	1084.3	1080.9	1075.2	1067.2	1056.9	1044.4	1029.8
-67.5°	962.0	967.7	971.2	972.3	971.2	967.7	962.0	954.1	943.9	931.5	916.9
-70°	836.3	841.6	844.7	845.8	844.7	841.6	836.3	828.9	819.5	808.0	794.5
-72.5°	704.4	708.9	711.7	712.6	711.7	708.9	704.4	698.0	689.8	679.9	668.2
-75°	572.1	576.1	578.6	579.4	578.6	576.1	572.1	566.4	559.1	550.2	539.7
-77.5°	434.3	437.2	438.9	439.5	438.9	437.2	434.3	430.3	425.1	418.8	411.4
-80°	315.8	318.0	319.3	319.7	319.3	318.0	315.8	312.7	308.9	304.1	298.5
-82.5°	204.2	205.4	206.2	206.4	206.2	205.4	204.2	202.4	200.2	197.5	194.3
-85°	118.8	119.4	119.8	119.9	119.8	119.4	118.8	117.9	116.7	115.4	113.7
-87.5°	52.8	53.1	53.2	53.3	53.2	53.1	52.8	52.5	52.0	51.5	50.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	50.1	49.2	48.3	47.3	46.2	44.9	43.7	42.3	40.8	39.3	37.7
85°	111.8	109.7	107.4	104.8	102.0	99.0	95.8	92.3	88.7	84.8	80.8
82.5°	190.7	186.5	182.0	176.9	171.5	165.6	159.3	152.6	145.5	138.0	130.1
80°	292.1	284.9	276.9	268.1	258.5	248.2	237.1	225.4	212.9	201.4	190.9
77.5°	402.8	393.3	382.6	370.9	358.2	344.5	329.9	314.6	299.0	282.6	265.5
75°	527.7	514.2	499.2	482.7	464.8	445.6	427.1	408.3	388.5	367.7	345.8
72.5°	654.7	639.6	622.8	604.4	584.5	562.1	538.0	512.4	485.3	456.8	428.8
70°	779.1	761.6	742.3	721.1	698.2	673.5	647.1	619.1	589.5	557.3	523.2
67.5°	900.2	881.5	860.7	837.4	811.4	783.4	753.6	721.9	688.5	653.4	616.7
65°	1013.0	994.1	973.3	947.8	920.1	890.4	858.7	824.0	786.6	747.5	706.6
62.5°	1112.2	1094.9	1073.7	1048.3	1020.8	991.3	958.4	921.2	882.0	840.7	795.5
60°	1194.1	1179.1	1158.1	1135.0	1110.1	1082.9	1048.3	1011.7	973.3	928.4	881.5
57.5°	1259.8	1245.0	1226.8	1206.9	1185.5	1158.1	1127.0	1094.1	1054.0	1010.2	963.7
55°	1314.3	1299.9	1283.7	1265.9	1245.7	1220.6	1194.1	1162.6	1125.2	1086.1	1036.9
52.5°	1362.9	1348.6	1332.9	1315.8	1295.5	1273.4	1249.4	1219.1	1187.4	1147.7	1104.0
50°	1411.2	1395.7	1378.7	1360.1	1340.2	1318.9	1294.5	1267.8	1237.3	1201.8	1161.3
47.5°	1469.3	1448.4	1425.3	1403.9	1382.4	1359.6	1335.4	1309.8	1280.0	1248.3	1209.1
45°	1541.9	1512.4	1481.3	1454.3	1425.5	1399.5	1373.6	1346.5	1318.2	1286.1	1252.0
42.5°	1647.3	1595.9	1551.8	1514.2	1476.6	1443.8	1411.1	1382.2	1352.1	1321.0	1286.1
40°	1786.4	1715.1	1653.8	1588.6	1539.1	1493.6	1454.9	1416.9	1385.1	1352.1	1318.2
37.5°	1943.7	1865.1	1781.5	1696.1	1621.9	1554.2	1503.5	1458.6	1416.9	1382.2	1346.5
35°	2104.3	2016.8	1923.9	1826.7	1724.9	1638.7	1559.3	1503.5	1454.9	1411.1	1373.6
32.5°	2271.3	2172.6	2066.7	1960.4	1849.6	1736.1	1638.7	1554.2	1493.6	1443.8	1399.5
30°	2434.8	2328.6	2214.4	2093.0	1972.6	1849.6	1724.9	1621.9	1539.1	1476.6	1425.5
27.5°	2617.5	2480.6	2357.8	2228.5	2093.0	1960.4	1826.7	1696.1	1588.6	1514.2	1454.3
25°	2888.1	2655.5	2498.8	2357.8	2214.4	2066.7	1923.9	1781.5	1653.8	1551.8	1481.3
22.5°	3300.6	2928.1	2655.5	2480.6	2328.6	2172.6	2016.8	1865.1	1715.1	1595.9	1512.4
20°	4047.5	3300.6	2888.1	2617.5	2434.8	2271.3	2104.3	1943.7	1786.4	1647.3	1541.9
17.5°	5324.3	3949.5	3160.0	2769.8	2542.9	2361.3	2187.6	2015.8	1850.7	1693.6	1568.3
15°	6914.2	4876.9	3660.5	2996.6	2647.5	2441.6	2261.6	2079.8	1908.2	1741.0	1604.0
12.5°	9569.9	6019.5	4141.0	3195.6	2760.3	2518.2	2325.8	2138.8	1959.0	1786.2	1636.4
10°	12307.5	7493.6	4893.2	3565.9	2913.7	2588.4	2379.4	2188.0	2001.2	1823.6	1663.2
7.5°	16026.2	9167.7	5605.1	3862.7	3035.7	2644.1	2421.8	2226.8	2034.5	1853.0	1684.2
5°	18789.0	10401.8	6126.9	4079.2	3124.5	2684.4	2452.5	2254.9	2058.5	1874.2	1699.3
2.5°	20493.9	11159.0	6445.7	4211.1	3178.4	2708.9	2471.1	2271.8	2073.0	1887.0	1708.4
0°	<b>21070.5</b>	<b>11414.3</b>	<b>6552.9</b>	<b>4255.4</b>	<b>3196.5</b>	<b>2717.1</b>	<b>2477.3</b>	<b>2277.5</b>	<b>2077.8</b>	<b>1891.3</b>	<b>1711.5</b>
-2.5°	20493.9	11159.0	6445.7	4211.1	3178.4	2708.9	2471.1	2271.8	2073.0	1887.0	1708.4
-5°	18789.0	10401.8	6126.9	4079.2	3124.5	2684.4	2452.5	2254.9	2058.5	1874.2	1699.3
-7.5°	16026.2	9167.7	5605.1	3862.7	3035.7	2644.1	2421.8	2226.8	2034.5	1853.0	1684.2
-10°	12307.5	7493.6	4893.2	3565.9	2913.7	2588.4	2379.4	2188.0	2001.2	1823.6	1663.2
-12.5°	9569.9	6019.5	4141.0	3195.6	2760.3	2518.2	2325.8	2138.8	1959.0	1786.2	1636.4
-15°	6914.2	4876.9	3660.5	2996.6	2647.5	2441.6	2261.6	2079.8	1908.2	1741.0	1604.0
-17.5°	5324.3	3949.5	3160.0	2769.8	2542.9	2361.3	2187.6	2015.8	1850.7	1693.6	1568.3
-20°	4047.5	3300.6	2888.1	2617.5	2434.8	2271.3	2104.3	1943.7	1786.4	1647.3	1541.9

Classified

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

Scaled Data Report



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3300.6	2928.1	2655.5	2480.6	2328.6	2172.6	2016.8	1865.1	1715.1	1595.9	1512.4
-25°	2888.1	2655.5	2498.8	2357.8	2214.4	2066.7	1923.9	1781.5	1653.8	1551.8	1481.3
-27.5°	2617.5	2480.6	2357.8	2228.5	2093.0	1960.4	1826.7	1696.1	1588.6	1514.2	1454.3
-30°	2434.8	2328.6	2214.4	2093.0	1972.6	1849.6	1724.9	1621.9	1539.1	1476.6	1425.5
-32.5°	2271.3	2172.6	2066.7	1960.4	1849.6	1736.1	1638.7	1554.2	1493.6	1443.8	1399.5
-35°	2104.3	2016.8	1923.9	1826.7	1724.9	1638.7	1559.3	1503.5	1454.9	1411.1	1373.6
-37.5°	1943.7	1865.1	1781.5	1696.1	1621.9	1554.2	1503.5	1458.6	1416.9	1382.2	1346.5
-40°	1786.4	1715.1	1653.8	1588.6	1539.1	1493.6	1454.9	1416.9	1385.1	1352.1	1318.2
-42.5°	1647.3	1595.9	1551.8	1514.2	1476.6	1443.8	1411.1	1382.2	1352.1	1321.0	1286.1
-45°	1541.9	1512.4	1481.3	1454.3	1425.5	1399.5	1373.6	1346.5	1318.2	1286.1	1252.0
-47.5°	1469.3	1448.4	1425.3	1403.9	1382.4	1359.6	1335.4	1309.8	1280.0	1248.3	1209.1
-50°	1411.2	1395.7	1378.7	1360.1	1340.2	1318.9	1294.5	1267.8	1237.3	1201.8	1161.3
-52.5°	1362.9	1348.6	1332.9	1315.8	1295.5	1273.4	1249.4	1219.1	1187.4	1147.7	1104.0
-55°	1314.3	1299.9	1283.7	1265.9	1245.7	1220.6	1194.1	1162.6	1125.2	1086.1	1036.9
-57.5°	1259.8	1245.0	1226.8	1206.9	1185.5	1158.1	1127.0	1094.1	1054.0	1010.2	963.7
-60°	1194.1	1179.1	1158.1	1135.0	1110.1	1082.9	1048.3	1011.7	973.3	928.4	881.5
-62.5°	1112.2	1094.9	1073.7	1048.3	1020.8	991.3	958.4	921.2	882.0	840.7	795.5
-65°	1013.0	994.1	973.3	947.8	920.1	890.4	858.7	824.0	786.6	747.5	706.6
-67.5°	900.2	881.5	860.7	837.4	811.4	783.4	753.6	721.9	688.5	653.4	616.7
-70°	779.1	761.6	742.3	721.1	698.2	673.5	647.1	619.1	589.5	557.3	523.2
-72.5°	654.7	639.6	622.8	604.4	584.5	562.1	538.0	512.4	485.3	456.8	428.8
-75°	527.7	514.2	499.2	482.7	464.8	445.6	427.1	408.3	388.5	367.7	345.8
-77.5°	402.8	393.3	382.6	370.9	358.2	344.5	329.9	314.6	299.0	282.6	265.5
-80°	292.1	284.9	276.9	268.1	258.5	248.2	237.1	225.4	212.9	201.4	190.9
-82.5°	190.7	186.5	182.0	176.9	171.5	165.6	159.3	152.6	145.5	138.0	130.1
-85°	111.8	109.7	107.4	104.8	102.0	99.0	95.8	92.3	88.7	84.8	80.8
-87.5°	50.1	49.2	48.3	47.3	46.2	44.9	43.7	42.3	40.8	39.3	37.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.0	34.3	32.4	30.6	28.6	26.6	24.6	22.5	20.4	18.2	16.0
85°	76.6	72.3	67.7	63.0	58.2	53.2	49.2	45.0	40.7	36.4	32.0
82.5°	121.9	114.9	108.1	101.1	93.8	86.4	78.7	70.9	63.0	54.9	48.0
80°	180.0	168.6	156.9	144.7	132.1	119.4	109.2	98.8	88.2	77.4	66.4
77.5°	247.6	228.9	209.6	193.6	178.0	161.9	145.4	128.5	113.3	99.8	86.1
75°	323.1	300.5	277.3	253.4	228.8	204.2	184.4	164.2	143.6	122.6	105.6
72.5°	402.2	374.6	346.0	316.6	287.9	258.4	228.2	199.5	175.5	151.1	126.4
70°	487.6	450.7	416.4	382.6	347.9	312.7	278.3	243.1	207.3	179.3	151.1
67.5°	578.5	536.9	493.9	449.5	409.1	369.1	328.2	288.3	248.1	207.3	175.5
65°	664.1	620.0	574.3	525.0	474.5	425.1	379.7	333.5	288.3	243.1	199.5
62.5°	748.7	700.1	650.0	598.5	543.9	487.0	430.4	379.7	328.2	278.3	228.2
60°	832.1	779.1	724.4	668.2	610.5	550.2	487.0	425.1	369.1	312.7	258.4
57.5°	910.8	856.1	797.4	736.6	674.2	610.5	543.9	474.5	409.1	347.9	287.9
55°	985.8	928.5	867.9	803.6	736.6	668.2	598.5	525.0	449.5	382.6	316.6
52.5°	1053.1	996.6	934.5	867.9	797.4	724.4	650.0	574.3	493.9	416.4	346.0
50°	1113.0	1058.5	996.6	928.5	856.1	779.1	700.1	620.0	536.9	450.7	374.6
47.5°	1165.9	1113.0	1053.1	985.8	910.8	832.1	748.7	664.1	578.5	487.6	402.2
45°	1209.1	1161.3	1104.0	1036.9	963.7	881.5	795.5	706.6	616.7	523.2	428.8
42.5°	1248.3	1201.8	1147.7	1086.1	1010.2	928.4	840.7	747.5	653.4	557.3	456.8
40°	1280.0	1237.3	1187.4	1125.2	1054.0	973.3	882.0	786.6	688.5	589.5	485.3
37.5°	1309.8	1267.8	1219.1	1162.6	1094.1	1011.7	921.2	824.0	721.9	619.1	512.4
35°	1335.4	1294.5	1249.4	1194.1	1127.0	1048.3	958.4	858.7	753.6	647.1	538.0
32.5°	1359.6	1318.9	1273.4	1220.6	1158.1	1082.9	991.3	890.4	783.4	673.5	562.1
30°	1382.4	1340.2	1295.5	1245.7	1185.5	1110.1	1020.8	920.1	811.4	698.2	584.5
27.5°	1403.9	1360.1	1315.8	1265.9	1206.9	1135.0	1048.3	947.8	837.4	721.1	604.4
25°	1425.3	1378.7	1332.9	1283.7	1226.8	1158.1	1073.7	973.3	860.7	742.3	622.8
22.5°	1448.4	1395.7	1348.6	1299.9	1245.0	1179.1	1094.9	994.1	881.5	761.6	639.6
20°	1469.3	1411.2	1362.9	1314.3	1259.8	1194.1	1112.2	1013.0	900.2	779.1	654.7
17.5°	1489.1	1426.7	1375.7	1326.0	1271.8	1207.4	1127.6	1029.8	916.9	794.5	668.2
15°	1510.6	1442.0	1386.9	1336.3	1282.3	1219.1	1141.0	1044.4	931.5	808.0	679.9
12.5°	1529.0	1455.0	1396.4	1345.0	1291.3	1229.1	1152.4	1056.9	943.9	819.5	689.8
10°	1544.2	1465.7	1404.3	1352.3	1298.7	1237.3	1161.8	1067.2	954.1	828.9	698.0
7.5°	1556.1	1474.2	1410.5	1357.9	1304.4	1243.7	1169.2	1075.2	962.0	836.3	704.4
5°	1564.7	1480.2	1414.9	1361.9	1308.6	1248.3	1174.5	1080.9	967.7	841.6	708.9
2.5°	1569.9	1483.9	1417.6	1364.4	1311.1	1251.1	1177.6	1084.3	971.2	844.7	711.7
0°	1571.6	1485.1	1418.5	1365.2	1311.9	1252.0	1178.7	1085.5	972.3	845.8	712.6
-2.5°	1569.9	1483.9	1417.6	1364.4	1311.1	1251.1	1177.6	1084.3	971.2	844.7	711.7
-5°	1564.7	1480.2	1414.9	1361.9	1308.6	1248.3	1174.5	1080.9	967.7	841.6	708.9
-7.5°	1556.1	1474.2	1410.5	1357.9	1304.4	1243.7	1169.2	1075.2	962.0	836.3	704.4
-10°	1544.2	1465.7	1404.3	1352.3	1298.7	1237.3	1161.8	1067.2	954.1	828.9	698.0
-12.5°	1529.0	1455.0	1396.4	1345.0	1291.3	1229.1	1152.4	1056.9	943.9	819.5	689.8
-15°	1510.6	1442.0	1386.9	1336.3	1282.3	1219.1	1141.0	1044.4	931.5	808.0	679.9
-17.5°	1489.1	1426.7	1375.7	1326.0	1271.8	1207.4	1127.6	1029.8	916.9	794.5	668.2
-20°	1469.3	1411.2	1362.9	1314.3	1259.8	1194.1	1112.2	1013.0	900.2	779.1	654.7

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

Scaled Data Report



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1448.4	1395.7	1348.6	1299.9	1245.0	1179.1	1094.9	994.1	881.5	761.6	639.6
-25°	1425.3	1378.7	1332.9	1283.7	1226.8	1158.1	1073.7	973.3	860.7	742.3	622.8
-27.5°	1403.9	1360.1	1315.8	1265.9	1206.9	1135.0	1048.3	947.8	837.4	721.1	604.4
-30°	1382.4	1340.2	1295.5	1245.7	1185.5	1110.1	1020.8	920.1	811.4	698.2	584.5
-32.5°	1359.6	1318.9	1273.4	1220.6	1158.1	1082.9	991.3	890.4	783.4	673.5	562.1
-35°	1335.4	1294.5	1249.4	1194.1	1127.0	1048.3	958.4	858.7	753.6	647.1	538.0
-37.5°	1309.8	1267.8	1219.1	1162.6	1094.1	1011.7	921.2	824.0	721.9	619.1	512.4
-40°	1280.0	1237.3	1187.4	1125.2	1054.0	973.3	882.0	786.6	688.5	589.5	485.3
-42.5°	1248.3	1201.8	1147.7	1086.1	1010.2	928.4	840.7	747.5	653.4	557.3	456.8
-45°	1209.1	1161.3	1104.0	1036.9	963.7	881.5	795.5	706.6	616.7	523.2	428.8
-47.5°	1165.9	1113.0	1053.1	985.8	910.8	832.1	748.7	664.1	578.5	487.6	402.2
-50°	1113.0	1058.5	996.6	928.5	856.1	779.1	700.1	620.0	536.9	450.7	374.6
-52.5°	1053.1	996.6	934.5	867.9	797.4	724.4	650.0	574.3	493.9	416.4	346.0
-55°	985.8	928.5	867.9	803.6	736.6	668.2	598.5	525.0	449.5	382.6	316.6
-57.5°	910.8	856.1	797.4	736.6	674.2	610.5	543.9	474.5	409.1	347.9	287.9
-60°	832.1	779.1	724.4	668.2	610.5	550.2	487.0	425.1	369.1	312.7	258.4
-62.5°	748.7	700.1	650.0	598.5	543.9	487.0	430.4	379.7	328.2	278.3	228.2
-65°	664.1	620.0	574.3	525.0	474.5	425.1	379.7	333.5	288.3	243.1	199.5
-67.5°	578.5	536.9	493.9	449.5	409.1	369.1	328.2	288.3	248.1	207.3	175.5
-70°	487.6	450.7	416.4	382.6	347.9	312.7	278.3	243.1	207.3	179.3	151.1
-72.5°	402.2	374.6	346.0	316.6	287.9	258.4	228.2	199.5	175.5	151.1	126.4
-75°	323.1	300.5	277.3	253.4	228.8	204.2	184.4	164.2	143.6	122.6	105.6
-77.5°	247.6	228.9	209.6	193.6	178.0	161.9	145.4	128.5	113.3	99.8	86.1
-80°	180.0	168.6	156.9	144.7	132.1	119.4	109.2	98.8	88.2	77.4	66.4
-82.5°	121.9	114.9	108.1	101.1	93.8	86.4	78.7	70.9	63.0	54.9	48.0
-85°	76.6	72.3	67.7	63.0	58.2	53.2	49.2	45.0	40.7	36.4	32.0
-87.5°	36.0	34.3	32.4	30.6	28.6	26.6	24.6	22.5	20.4	18.2	16.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.8	11.5	9.3	7.0	4.6	2.3	0.0
85°	27.6	23.0	18.5	13.9	9.3	4.6	0.0
82.5°	41.3	34.5	27.7	20.8	13.9	7.0	0.0
80°	55.3	45.9	36.8	27.7	18.5	9.3	0.0
77.5°	72.2	58.2	45.9	34.5	23.0	11.5	0.0
75°	89.0	72.2	55.3	41.3	27.6	13.8	0.0
72.5°	105.6	86.1	66.4	48.0	32.0	16.0	0.0
70°	122.6	99.8	77.4	54.9	36.4	18.2	0.0
67.5°	143.6	113.3	88.2	63.0	40.7	20.4	0.0
65°	164.2	128.5	98.8	70.9	45.0	22.5	0.0
62.5°	184.4	145.4	109.2	78.7	49.2	24.6	0.0
60°	204.2	161.9	119.4	86.4	53.2	26.6	0.0
57.5°	228.8	178.0	132.1	93.8	58.2	28.6	0.0
55°	253.4	193.6	144.7	101.1	63.0	30.6	0.0
52.5°	277.3	209.6	156.9	108.1	67.7	32.4	0.0
50°	300.5	228.9	168.6	114.9	72.3	34.3	0.0
47.5°	323.1	247.6	180.0	121.9	76.6	36.0	0.0
45°	345.8	265.5	190.9	130.1	80.8	37.7	0.0
42.5°	367.7	282.6	201.4	138.0	84.8	39.3	0.0
40°	388.5	299.0	212.9	145.5	88.7	40.8	0.0
37.5°	408.3	314.6	225.4	152.6	92.3	42.3	0.0
35°	427.1	329.9	237.1	159.3	95.8	43.7	0.0
32.5°	445.6	344.5	248.2	165.6	99.0	44.9	0.0
30°	464.8	358.2	258.5	171.5	102.0	46.2	0.0
27.5°	482.7	370.9	268.1	176.9	104.8	47.3	0.0
25°	499.2	382.6	276.9	182.0	107.4	48.3	0.0
22.5°	514.2	393.3	284.9	186.5	109.7	49.2	0.0
20°	527.7	402.8	292.1	190.7	111.8	50.1	0.0
17.5°	539.7	411.4	298.5	194.3	113.7	50.8	0.0
15°	550.2	418.8	304.1	197.5	115.4	51.5	0.0
12.5°	559.1	425.1	308.9	200.2	116.7	52.0	0.0
10°	566.4	430.3	312.7	202.4	117.9	52.5	0.0
7.5°	572.1	434.3	315.8	204.2	118.8	52.8	0.0
5°	576.1	437.2	318.0	205.4	119.4	53.1	0.0
2.5°	578.6	438.9	319.3	206.2	119.8	53.2	0.0
0°	579.4	439.5	319.7	206.4	119.9	53.3	0.0
-2.5°	578.6	438.9	319.3	206.2	119.8	53.2	0.0
-5°	576.1	437.2	318.0	205.4	119.4	53.1	0.0
-7.5°	572.1	434.3	315.8	204.2	118.8	52.8	0.0
-10°	566.4	430.3	312.7	202.4	117.9	52.5	0.0
-12.5°	559.1	425.1	308.9	200.2	116.7	52.0	0.0
-15°	550.2	418.8	304.1	197.5	115.4	51.5	0.0
-17.5°	539.7	411.4	298.5	194.3	113.7	50.8	0.0
-20°	527.7	402.8	292.1	190.7	111.8	50.1	0.0

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REPORT NUMBER: P624791 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-22

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	514.2	393.3	284.9	186.5	109.7	49.2	0.0
-25°	499.2	382.6	276.9	182.0	107.4	48.3	0.0
-27.5°	482.7	370.9	268.1	176.9	104.8	47.3	0.0
-30°	464.8	358.2	258.5	171.5	102.0	46.2	0.0
-32.5°	445.6	344.5	248.2	165.6	99.0	44.9	0.0
-35°	427.1	329.9	237.1	159.3	95.8	43.7	0.0
-37.5°	408.3	314.6	225.4	152.6	92.3	42.3	0.0
-40°	388.5	299.0	212.9	145.5	88.7	40.8	0.0
-42.5°	367.7	282.6	201.4	138.0	84.8	39.3	0.0
-45°	345.8	265.5	190.9	130.1	80.8	37.7	0.0
-47.5°	323.1	247.6	180.0	121.9	76.6	36.0	0.0
-50°	300.5	228.9	168.6	114.9	72.3	34.3	0.0
-52.5°	277.3	209.6	156.9	108.1	67.7	32.4	0.0
-55°	253.4	193.6	144.7	101.1	63.0	30.6	0.0
-57.5°	228.8	178.0	132.1	93.8	58.2	28.6	0.0
-60°	204.2	161.9	119.4	86.4	53.2	26.6	0.0
-62.5°	184.4	145.4	109.2	78.7	49.2	24.6	0.0
-65°	164.2	128.5	98.8	70.9	45.0	22.5	0.0
-67.5°	143.6	113.3	88.2	63.0	40.7	20.4	0.0
-70°	122.6	99.8	77.4	54.9	36.4	18.2	0.0
-72.5°	105.6	86.1	66.4	48.0	32.0	16.0	0.0
-75°	89.0	72.2	55.3	41.3	27.6	13.8	0.0
-77.5°	72.2	58.2	45.9	34.5	23.0	11.5	0.0
-80°	55.3	45.9	36.8	27.7	18.5	9.3	0.0
-82.5°	41.3	34.5	27.7	20.8	13.9	7.0	0.0
-85°	27.6	23.0	18.5	13.9	9.3	4.6	0.0
-87.5°	13.8	11.5	9.3	7.0	4.6	2.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)