

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: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-5700K-55**

Issue Date: 11/8/2022



**Test Information**

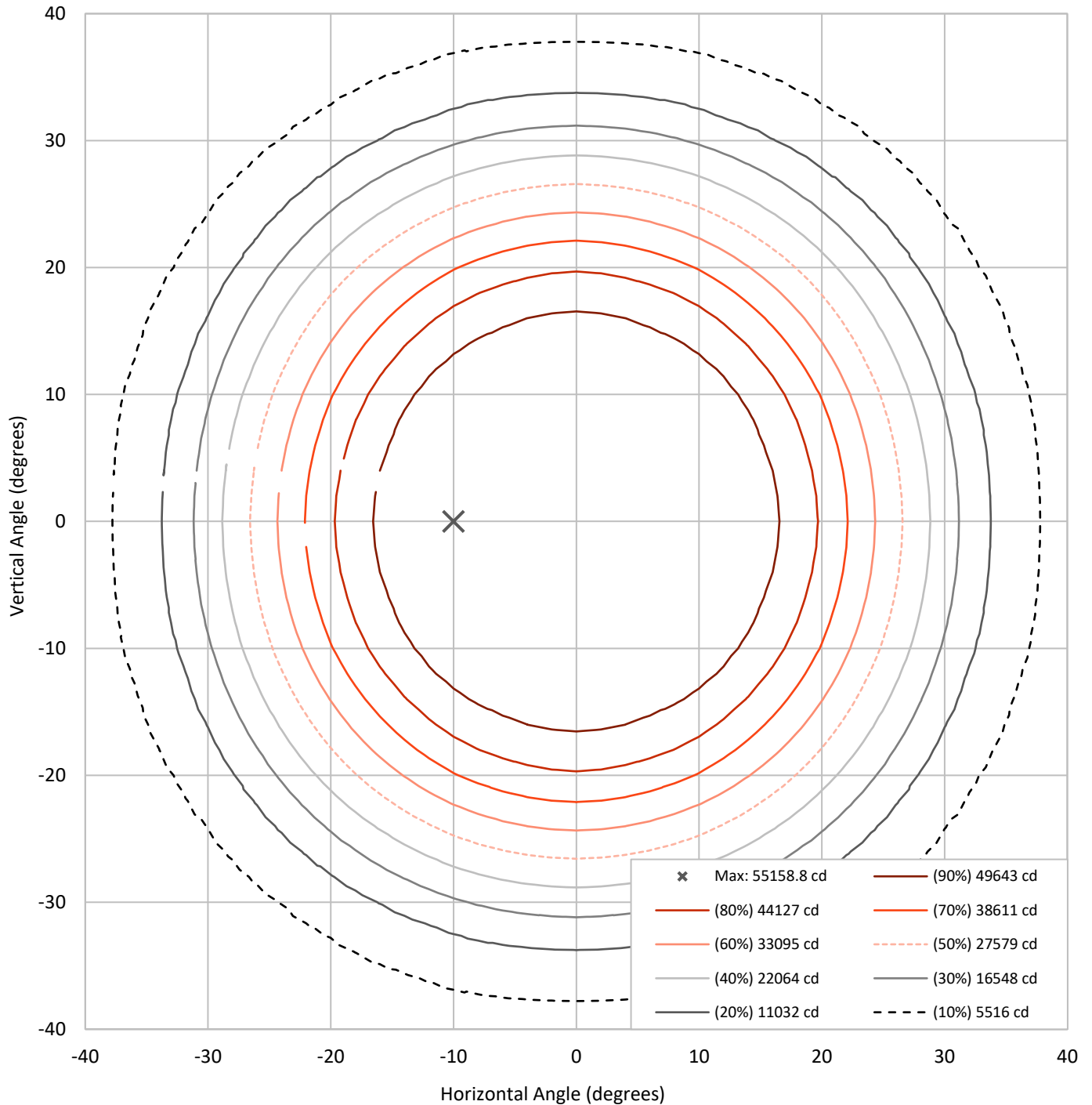
Test Method: LM-79-08  
Report Number: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-08-E-PRO-5700K-55  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 55 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	45124 lumens	Max Intensity:	55158.8 candela
Efficiency:	N/A	Max Intensity Angle:	-10°H x 0°V
Efficacy:	119.4 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	53.1°H x 49.5°V	Field Angle (10%):	75.3°H x 73.6°V
Beam Lumens:	29909.4 lumens	Field Lumens:	38891.3 lumens
Beam Efficiency:	66.3%	Field Efficiency:	86.2%
Input Watts (W):	378		
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		

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### Iso-Candela Plot





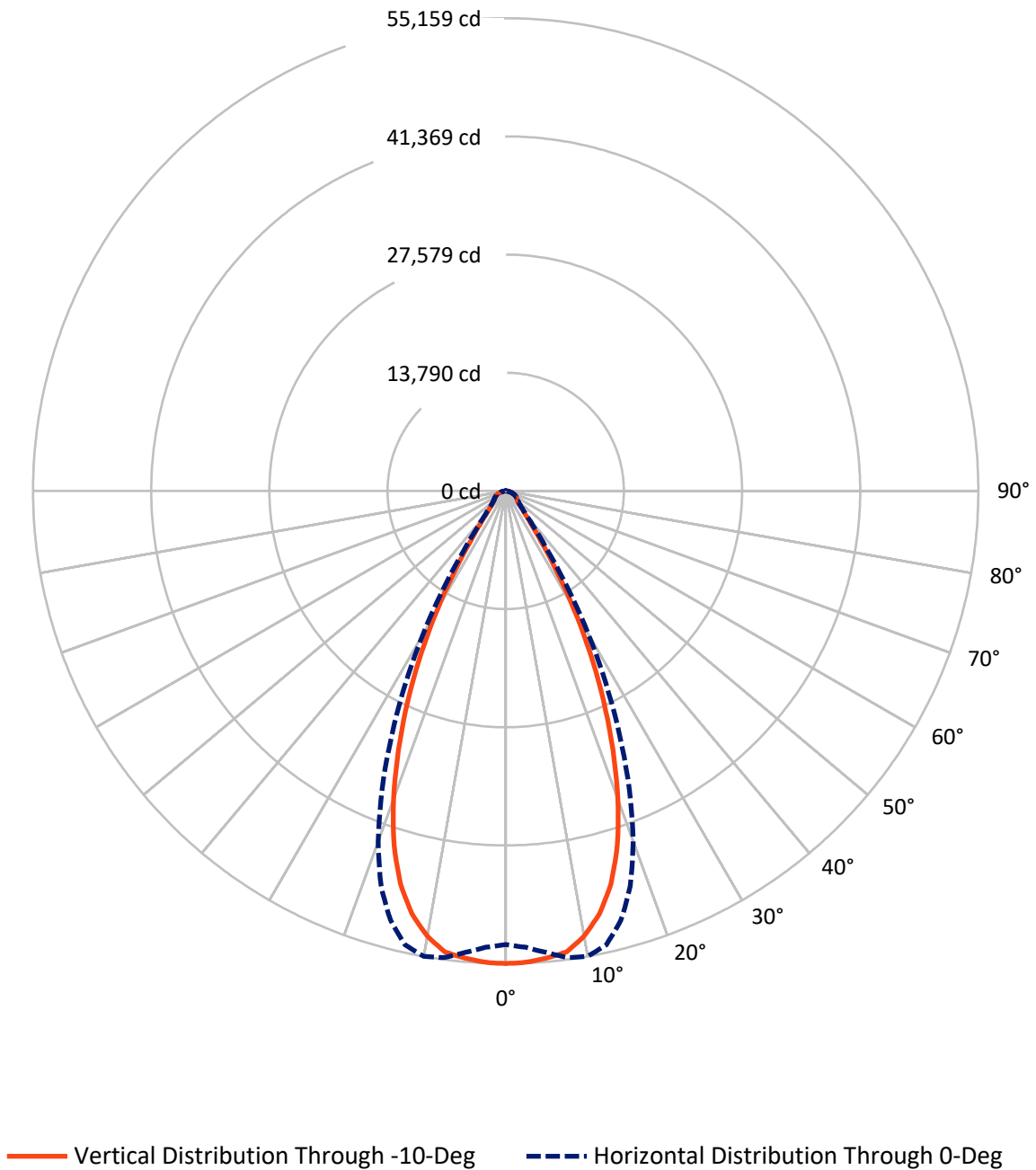
REPORT NUMBER: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90																			
80	1.3	9.9		25.8		41.6		48.1		41.6		25.8		9.9		1.3			
70	4.5	4.9	10.2	16.8	23.7	29.6	33.9	36.1	36.1	33.9	29.6	23.7	16.8	10.2	4.9	4.5			
60		7.6	15.6	24.8	33.3	40.4	45.9	48.9	48.9	45.9	40.4	33.3	24.8	15.6	7.6				
50	8.0	10.2	20.1	30.5	40.8	52.9	66.9	77.7	77.7	66.9	52.9	40.8	30.5	20.1	10.2	8.0			
40		12.4	23.4	35.3	53.5	95.3	186.3	280.2	280.2	186.3	95.3	53.5	35.3	23.4	12.4				
30	10.7	14.0	25.7	41.4	86.5	275.8	639.0	906.8	906.8	639.0	275.8	86.5	41.4	25.7	14.0	10.7			
20		15.0	27.4	49.4	159.7	601.9	1177.3	1501.1	1501.1	1177.3	601.9	159.7	49.4	27.4	15.0				
10	11.6	15.5	28.3	55.7	233.8	829.0	1456.8	1652.2	1652.2	1456.8	829.0	233.8	55.7	28.3	15.5	11.6			
0		15.5	28.3	55.7	233.8	829.0	1456.8	1652.2	1652.2	1456.8	829.0	233.8	55.7	28.3	15.5				
-10	10.7	15.0	27.4	49.4	159.7	601.9	1177.3	1501.1	1501.1	1177.3	601.9	159.7	49.4	27.4	15.0	10.7			
-20		14.0	25.7	41.4	86.5	275.8	639.0	906.8	906.8	639.0	275.8	86.5	41.4	25.7	14.0				
-30	8.0	12.4	23.4	35.3	53.5	95.3	186.3	280.2	280.2	186.3	95.3	53.5	35.3	23.4	12.4	8.0			
-40		10.2	20.1	30.5	40.8	52.9	66.9	77.7	77.7	66.9	52.9	40.8	30.5	20.1	10.2				
-50	4.5	7.6	15.6	24.8	33.3	40.4	45.9	48.9	48.9	45.9	40.4	33.3	24.8	15.6	7.6	4.5			
-60		4.9	10.2	16.8	23.7	29.6	33.9	36.1	36.1	33.9	29.6	23.7	16.8	10.2	4.9				
-70	1.3	9.9		25.8		41.6		48.1		41.6		25.8		9.9		1.3			
-80																			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

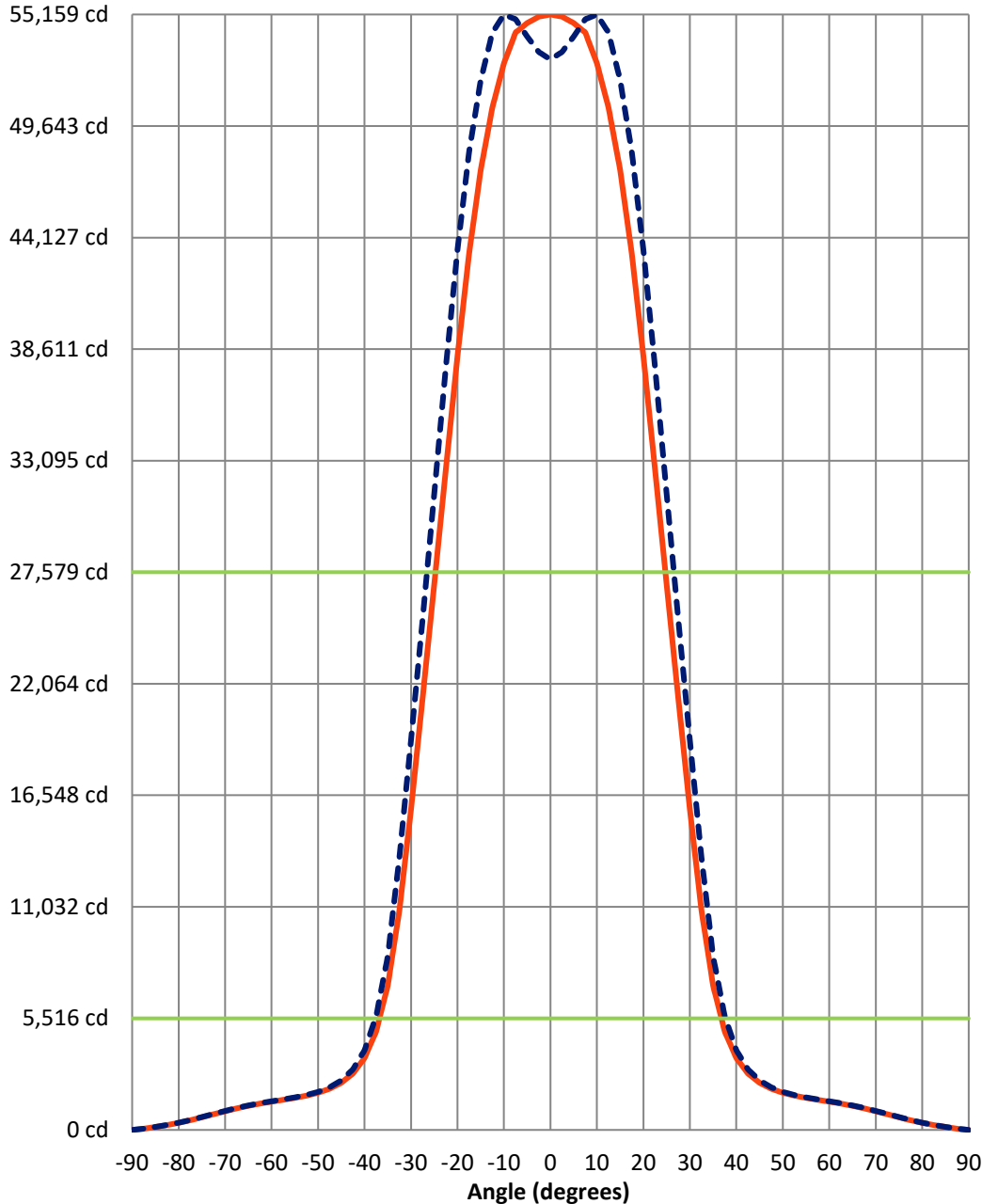
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.1°  
 V Angle: 49.5°  
 Lumens: 29909.4  
 Efficiency: 66.3%

**Field:**  
 H Angle: 75.3°  
 V Angle: 73.6°  
 Lumens: 38891.3  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 6232.7  
 Efficiency: 13.8%

- Vertical Distribution through -10-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	2.7	5.3	8.0	10.6	13.2	15.8	18.3	20.9	23.3	25.8
85°	0.0	5.3	10.6	15.9	21.2	26.4	31.5	36.6	41.7	46.6	51.5
82.5°	0.0	8.0	15.9	23.8	31.7	39.5	47.2	54.9	63.1	73.9	84.6
80°	0.0	10.6	21.2	31.7	42.2	52.6	63.7	78.6	93.2	107.6	121.8
77.5°	0.0	13.2	26.4	39.5	52.6	67.6	86.3	104.8	123.1	141.1	159.3
75°	0.0	15.8	31.5	47.2	63.7	86.3	108.7	130.9	152.9	175.7	198.0
72.5°	0.0	18.3	36.6	54.9	78.6	104.8	130.9	157.1	183.9	210.3	236.3
70°	0.0	20.9	41.7	63.1	93.2	123.1	152.9	183.9	214.4	244.7	280.3
67.5°	0.0	23.3	46.6	73.9	107.6	141.1	175.7	210.3	244.7	285.2	325.1
65°	0.0	25.8	51.5	84.6	121.8	159.3	198.0	236.3	280.3	325.1	371.5
62.5°	0.0	28.2	56.3	95.0	135.7	177.6	219.9	265.5	315.2	365.6	422.1
60°	0.0	30.5	60.9	105.2	149.3	195.5	241.4	295.4	349.4	410.5	471.8
57.5°	0.0	32.8	67.6	115.2	163.3	213.0	266.0	324.7	387.2	454.3	525.1
55°	0.0	35.0	74.0	124.9	176.9	230.0	290.5	353.2	425.3	498.4	579.4
52.5°	0.0	37.1	80.3	134.2	190.1	247.0	314.2	385.1	462.3	545.9	632.2
50°	0.0	39.2	86.3	143.3	202.9	266.2	337.2	416.4	499.6	592.1	684.9
47.5°	0.0	41.2	92.2	152.2	215.2	284.7	360.0	446.7	539.2	636.7	736.1
45°	0.0	43.1	97.8	161.1	227.0	302.5	384.9	475.9	577.4	681.0	785.5
42.5°	0.0	45.0	103.2	169.6	238.4	319.5	408.9	506.2	614.0	723.6	830.5
40°	0.0	46.7	108.3	177.7	250.3	335.8	431.7	536.7	649.4	764.4	873.2
37.5°	0.0	48.4	113.2	185.4	262.6	351.2	453.4	565.8	683.8	802.5	913.9
35°	0.0	50.0	117.7	192.7	274.3	367.5	474.0	593.3	716.3	837.1	953.1
32.5°	0.0	51.4	122.1	199.5	285.3	383.5	494.1	619.2	747.0	869.7	990.7
30°	0.0	52.8	126.1	205.9	295.5	398.5	514.8	643.6	775.7	900.3	1025.9
27.5°	0.0	54.1	129.8	211.9	305.0	412.4	534.0	666.8	801.7	928.7	1058.8
25°	0.0	55.3	133.3	217.3	313.8	425.2	551.6	688.1	824.8	955.4	1088.8
22.5°	0.0	56.4	136.4	222.3	321.7	436.9	567.7	707.6	845.9	980.1	1111.3
20°	0.0	57.3	139.2	226.7	328.9	447.4	582.2	725.2	864.9	1002.4	1131.6
17.5°	0.0	58.2	141.7	230.7	335.3	456.8	595.1	740.8	881.8	1022.2	1149.7
15°	0.0	58.9	143.9	234.2	340.8	464.9	606.3	754.4	896.6	1039.4	1165.5
12.5°	0.0	59.6	145.8	237.1	345.5	471.8	615.9	765.9	909.1	1054.1	1178.9
10°	0.0	60.1	147.3	239.5	349.4	477.5	623.7	775.4	919.4	1066.2	1189.9
7.5°	0.0	60.5	148.5	241.4	352.4	481.9	629.8	782.8	927.4	1075.6	1198.6
5°	0.0	60.8	149.3	242.7	354.6	485.1	634.2	788.1	933.2	1082.4	1204.7
2.5°	0.0	60.9	149.8	243.5	355.9	487.0	636.8	791.3	936.6	1086.4	1208.5
0°	0.0	61.0	150.0	243.8	356.3	487.6	637.7	792.4	937.8	1087.8	1209.7
-2.5°	0.0	60.9	149.8	243.5	355.9	487.0	636.8	791.3	936.6	1086.4	1208.5
-5°	0.0	60.8	149.3	242.7	354.6	485.1	634.2	788.1	933.2	1082.4	1204.7
-7.5°	0.0	60.5	148.5	241.4	352.4	481.9	629.8	782.8	927.4	1075.6	1198.6
-10°	0.0	60.1	147.3	239.5	349.4	477.5	623.7	775.4	919.4	1066.2	1189.9
-12.5°	0.0	59.6	145.8	237.1	345.5	471.8	615.9	765.9	909.1	1054.1	1178.9
-15°	0.0	58.9	143.9	234.2	340.8	464.9	606.3	754.4	896.6	1039.4	1165.5
-17.5°	0.0	58.2	141.7	230.7	335.3	456.8	595.1	740.8	881.8	1022.2	1149.7
-20°	0.0	57.3	139.2	226.7	328.9	447.4	582.2	725.2	864.9	1002.4	1131.6

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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	56.4	136.4	222.3	321.7	436.9	567.7	707.6	845.9	980.1	1111.3
-25°	0.0	55.3	133.3	217.3	313.8	425.2	551.6	688.1	824.8	955.4	1088.8
-27.5°	0.0	54.1	129.8	211.9	305.0	412.4	534.0	666.8	801.7	928.7	1058.8
-30°	0.0	52.8	126.1	205.9	295.5	398.5	514.8	643.6	775.7	900.3	1025.9
-32.5°	0.0	51.4	122.1	199.5	285.3	383.5	494.1	619.2	747.0	869.7	990.7
-35°	0.0	50.0	117.7	192.7	274.3	367.5	474.0	593.3	716.3	837.1	953.1
-37.5°	0.0	48.4	113.2	185.4	262.6	351.2	453.4	565.8	683.8	802.5	913.9
-40°	0.0	46.7	108.3	177.7	250.3	335.8	431.7	536.7	649.4	764.4	873.2
-42.5°	0.0	45.0	103.2	169.6	238.4	319.5	408.9	506.2	614.0	723.6	830.5
-45°	0.0	43.1	97.8	161.1	227.0	302.5	384.9	475.9	577.4	681.0	785.5
-47.5°	0.0	41.2	92.2	152.2	215.2	284.7	360.0	446.7	539.2	636.7	736.1
-50°	0.0	39.2	86.3	143.3	202.9	266.2	337.2	416.4	499.6	592.1	684.9
-52.5°	0.0	37.1	80.3	134.2	190.1	247.0	314.2	385.1	462.3	545.9	632.2
-55°	0.0	35.0	74.0	124.9	176.9	230.0	290.5	353.2	425.3	498.4	579.4
-57.5°	0.0	32.8	67.6	115.2	163.3	213.0	266.0	324.7	387.2	454.3	525.1
-60°	0.0	30.5	60.9	105.2	149.3	195.5	241.4	295.4	349.4	410.5	471.8
-62.5°	0.0	28.2	56.3	95.0	135.7	177.6	219.9	265.5	315.2	365.6	422.1
-65°	0.0	25.8	51.5	84.6	121.8	159.3	198.0	236.3	280.3	325.1	371.5
-67.5°	0.0	23.3	46.6	73.9	107.6	141.1	175.7	210.3	244.7	285.2	325.1
-70°	0.0	20.9	41.7	63.1	93.2	123.1	152.9	183.9	214.4	244.7	280.3
-72.5°	0.0	18.3	36.6	54.9	78.6	104.8	130.9	157.1	183.9	210.3	236.3
-75°	0.0	15.8	31.5	47.2	63.7	86.3	108.7	130.9	152.9	175.7	198.0
-77.5°	0.0	13.2	26.4	39.5	52.6	67.6	86.3	104.8	123.1	141.1	159.3
-80°	0.0	10.6	21.2	31.7	42.2	52.6	63.7	78.6	93.2	107.6	121.8
-82.5°	0.0	8.0	15.9	23.8	31.7	39.5	47.2	54.9	63.1	73.9	84.6
-85°	0.0	5.3	10.6	15.9	21.2	26.4	31.5	36.6	41.7	46.6	51.5
-87.5°	0.0	2.7	5.3	8.0	10.6	13.2	15.8	18.3	20.9	23.3	25.8
-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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**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°	28.2	30.5	32.8	35.0	37.1	39.2	41.2	43.1	45.0	46.7	48.4
85°	56.3	60.9	67.6	74.0	80.3	86.3	92.2	97.8	103.2	108.3	113.2
82.5°	95.0	105.2	115.2	124.9	134.2	143.3	152.2	161.1	169.6	177.7	185.4
80°	135.7	149.3	163.3	176.9	190.1	202.9	215.2	227.0	238.4	250.3	262.6
77.5°	177.6	195.5	213.0	230.0	247.0	266.2	284.7	302.5	319.5	335.8	351.2
75°	219.9	241.4	266.0	290.5	314.2	337.2	360.0	384.9	408.9	431.7	453.4
72.5°	265.5	295.4	324.7	353.2	385.1	416.4	446.7	475.9	506.2	536.7	565.8
70°	315.2	349.4	387.2	425.3	462.3	499.6	539.2	577.4	614.0	649.4	683.8
67.5°	365.6	410.5	454.3	498.4	545.9	592.1	636.7	681.0	723.6	764.4	802.5
65°	422.1	471.8	525.1	579.4	632.2	684.9	736.1	785.5	830.5	873.2	913.9
62.5°	477.7	538.5	599.6	659.8	719.7	777.9	831.8	882.9	932.2	980.7	1027.2
60°	538.5	606.3	673.8	740.8	805.2	864.9	922.8	980.1	1035.7	1088.8	1130.2
57.5°	599.6	673.8	747.8	818.6	885.0	950.1	1014.9	1077.6	1128.6	1175.8	1220.1
55°	659.8	740.8	818.6	891.7	964.0	1035.9	1102.4	1157.4	1210.5	1257.6	1302.8
52.5°	719.7	805.2	885.0	964.0	1042.9	1113.9	1174.8	1232.1	1284.8	1333.3	1373.9
50°	777.9	864.9	950.1	1035.9	1113.9	1180.7	1242.9	1301.2	1351.8	1397.2	1440.8
47.5°	831.8	922.8	1014.9	1102.4	1174.8	1242.9	1306.7	1361.1	1411.3	1459.8	1506.4
45°	882.9	980.1	1077.6	1157.4	1232.1	1301.2	1361.1	1416.0	1469.3	1521.5	1573.8
42.5°	932.2	1035.7	1128.6	1210.5	1284.8	1351.8	1411.3	1469.3	1526.6	1584.2	1645.7
40°	980.7	1088.8	1175.8	1257.6	1333.3	1397.2	1459.8	1521.5	1584.2	1652.0	1722.1
37.5°	1027.2	1130.2	1220.1	1302.8	1373.9	1440.8	1506.4	1573.8	1645.7	1722.1	1818.7
35°	1071.3	1169.6	1259.7	1341.9	1412.7	1482.5	1553.2	1626.9	1709.2	1810.1	1929.1
32.5°	1108.2	1206.9	1297.3	1375.9	1449.5	1522.7	1597.9	1683.8	1784.2	1902.8	2063.8
30°	1140.0	1239.4	1330.9	1407.9	1484.2	1562.0	1646.2	1741.7	1860.4	2023.6	2231.2
27.5°	1169.6	1269.4	1358.3	1437.8	1517.0	1598.9	1693.5	1808.7	1957.5	2150.9	2410.5
25°	1197.0	1297.3	1383.8	1465.6	1548.6	1637.9	1741.3	1871.3	2057.4	2308.3	2661.2
22.5°	1221.0	1322.7	1407.1	1491.0	1577.7	1675.4	1794.9	1952.7	2168.5	2458.6	2916.1
20°	1241.9	1341.9	1428.2	1514.3	1604.1	1709.5	1843.6	2031.0	2292.6	2676.1	3262.4
17.5°	1260.5	1359.0	1447.0	1535.9	1631.4	1744.6	1890.8	2101.3	2404.4	2872.3	3628.2
15°	1276.7	1373.9	1463.4	1554.9	1656.0	1780.0	1947.8	2188.2	2537.6	3081.9	3959.9
12.5°	1290.5	1386.7	1477.5	1571.0	1677.0	1810.3	1996.7	2266.2	2675.3	3340.0	4457.7
10°	1301.9	1397.2	1489.1	1584.4	1694.3	1835.2	2037.1	2330.8	2789.5	3554.4	4872.3
7.5°	1310.7	1405.4	1498.1	1594.8	1707.9	1854.8	2068.8	2381.6	2879.3	3723.3	5199.5
5°	1317.1	1411.3	1504.6	1602.3	1717.7	1868.9	2091.6	2418.1	2944.0	3845.1	5435.8
2.5°	1320.9	1414.8	1508.5	1606.8	1723.5	1877.4	2105.3	2440.1	2983.0	3918.7	5578.7
0°	1322.2	1416.0	1509.8	1608.3	1725.5	1880.2	2109.9	2447.5	2996.1	3943.3	5626.5
-2.5°	1320.9	1414.8	1508.5	1606.8	1723.5	1877.4	2105.3	2440.1	2983.0	3918.7	5578.7
-5°	1317.1	1411.3	1504.6	1602.3	1717.7	1868.9	2091.6	2418.1	2944.0	3845.1	5435.8
-7.5°	1310.7	1405.4	1498.1	1594.8	1707.9	1854.8	2068.8	2381.6	2879.3	3723.3	5199.5
-10°	1301.9	1397.2	1489.1	1584.4	1694.3	1835.2	2037.1	2330.8	2789.5	3554.4	4872.3
-12.5°	1290.5	1386.7	1477.5	1571.0	1677.0	1810.3	1996.7	2266.2	2675.3	3340.0	4457.7
-15°	1276.7	1373.9	1463.4	1554.9	1656.0	1780.0	1947.8	2188.2	2537.6	3081.9	3959.9
-17.5°	1260.5	1359.0	1447.0	1535.9	1631.4	1744.6	1890.8	2101.3	2404.4	2872.3	3628.2
-20°	1241.9	1341.9	1428.2	1514.3	1604.1	1709.5	1843.6	2031.0	2292.6	2676.1	3262.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1221.0	1322.7	1407.1	1491.0	1577.7	1675.4	1794.9	1952.7	2168.5	2458.6	2916.1
-25°	1197.0	1297.3	1383.8	1465.6	1548.6	1637.9	1741.3	1871.3	2057.4	2308.3	2661.2
-27.5°	1169.6	1269.4	1358.3	1437.8	1517.0	1598.9	1693.5	1808.7	1957.5	2150.9	2410.5
-30°	1140.0	1239.4	1330.9	1407.9	1484.2	1562.0	1646.2	1741.7	1860.4	2023.6	2231.2
-32.5°	1108.2	1206.9	1297.3	1375.9	1449.5	1522.7	1597.9	1683.8	1784.2	1902.8	2063.8
-35°	1071.3	1169.6	1259.7	1341.9	1412.7	1482.5	1553.2	1626.9	1709.2	1810.1	1929.1
-37.5°	1027.2	1130.2	1220.1	1302.8	1373.9	1440.8	1506.4	1573.8	1645.7	1722.1	1818.7
-40°	980.7	1088.8	1175.8	1257.6	1333.3	1397.2	1459.8	1521.5	1584.2	1652.0	1722.1
-42.5°	932.2	1035.7	1128.6	1210.5	1284.8	1351.8	1411.3	1469.3	1526.6	1584.2	1645.7
-45°	882.9	980.1	1077.6	1157.4	1232.1	1301.2	1361.1	1416.0	1469.3	1521.5	1573.8
-47.5°	831.8	922.8	1014.9	1102.4	1174.8	1242.9	1306.7	1361.1	1411.3	1459.8	1506.4
-50°	777.9	864.9	950.1	1035.9	1113.9	1180.7	1242.9	1301.2	1351.8	1397.2	1440.8
-52.5°	719.7	805.2	885.0	964.0	1042.9	1113.9	1174.8	1232.1	1284.8	1333.3	1373.9
-55°	659.8	740.8	818.6	891.7	964.0	1035.9	1102.4	1157.4	1210.5	1257.6	1302.8
-57.5°	599.6	673.8	747.8	818.6	885.0	950.1	1014.9	1077.6	1128.6	1175.8	1220.1
-60°	538.5	606.3	673.8	740.8	805.2	864.9	922.8	980.1	1035.7	1088.8	1130.2
-62.5°	477.7	538.5	599.6	659.8	719.7	777.9	831.8	882.9	932.2	980.7	1027.2
-65°	422.1	471.8	525.1	579.4	632.2	684.9	736.1	785.5	830.5	873.2	913.9
-67.5°	365.6	410.5	454.3	498.4	545.9	592.1	636.7	681.0	723.6	764.4	802.5
-70°	315.2	349.4	387.2	425.3	462.3	499.6	539.2	577.4	614.0	649.4	683.8
-72.5°	265.5	295.4	324.7	353.2	385.1	416.4	446.7	475.9	506.2	536.7	565.8
-75°	219.9	241.4	266.0	290.5	314.2	337.2	360.0	384.9	408.9	431.7	453.4
-77.5°	177.6	195.5	213.0	230.0	247.0	266.2	284.7	302.5	319.5	335.8	351.2
-80°	135.7	149.3	163.3	176.9	190.1	202.9	215.2	227.0	238.4	250.3	262.6
-82.5°	95.0	105.2	115.2	124.9	134.2	143.3	152.2	161.1	169.6	177.7	185.4
-85°	56.3	60.9	67.6	74.0	80.3	86.3	92.2	97.8	103.2	108.3	113.2
-87.5°	28.2	30.5	32.8	35.0	37.1	39.2	41.2	43.1	45.0	46.7	48.4
-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: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**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°	50.0	51.4	52.8	54.1	55.3	56.4	57.3	58.2	58.9	59.6	60.1
85°	117.7	122.1	126.1	129.8	133.3	136.4	139.2	141.7	143.9	145.8	147.3
82.5°	192.7	199.5	205.9	211.9	217.3	222.3	226.7	230.7	234.2	237.1	239.5
80°	274.3	285.3	295.5	305.0	313.8	321.7	328.9	335.3	340.8	345.5	349.4
77.5°	367.5	383.5	398.5	412.4	425.2	436.9	447.4	456.8	464.9	471.8	477.5
75°	474.0	494.1	514.8	534.0	551.6	567.7	582.2	595.1	606.3	615.9	623.7
72.5°	593.3	619.2	643.6	666.8	688.1	707.6	725.2	740.8	754.4	765.9	775.4
70°	716.3	747.0	775.7	801.7	824.8	845.9	864.9	881.8	896.6	909.1	919.4
67.5°	837.1	869.7	900.3	928.7	955.4	980.1	1002.4	1022.2	1039.4	1054.1	1066.2
65°	953.1	990.7	1025.9	1058.8	1088.8	1111.3	1131.6	1149.7	1165.5	1178.9	1189.9
62.5°	1071.3	1108.2	1140.0	1169.6	1197.0	1221.0	1241.9	1260.5	1276.7	1290.5	1301.9
60°	1169.6	1206.9	1239.4	1269.4	1297.3	1322.7	1341.9	1359.0	1373.9	1386.7	1397.2
57.5°	1259.7	1297.3	1330.9	1358.3	1383.8	1407.1	1428.2	1447.0	1463.4	1477.5	1489.1
55°	1341.9	1375.9	1407.9	1437.8	1465.6	1491.0	1514.3	1535.9	1554.9	1571.0	1584.4
52.5°	1412.7	1449.5	1484.2	1517.0	1548.6	1577.7	1604.1	1631.4	1656.0	1677.0	1694.3
50°	1482.5	1522.7	1562.0	1598.9	1637.9	1675.4	1709.5	1744.6	1780.0	1810.3	1835.2
47.5°	1553.2	1597.9	1646.2	1693.5	1741.3	1794.9	1843.6	1890.8	1947.8	1996.7	2037.1
45°	1626.9	1683.8	1741.7	1808.7	1871.3	1952.7	2031.0	2101.3	2188.2	2266.2	2330.8
42.5°	1709.2	1784.2	1860.4	1957.5	2057.4	2168.5	2292.6	2404.4	2537.6	2675.3	2789.5
40°	1810.1	1902.8	2023.6	2150.9	2308.3	2458.6	2676.1	2872.3	3081.9	3340.0	3554.4
37.5°	1929.1	2063.8	2231.2	2410.5	2661.2	2916.1	3262.4	3628.2	3959.9	4457.7	4872.3
35°	2077.3	2271.8	2488.5	2799.0	3161.5	3633.6	4166.5	4868.5	5492.9	6345.6	7143.1
32.5°	2271.8	2522.4	2868.8	3346.9	3886.9	4742.3	5574.3	6872.9	8067.8	9431.3	10858.3
30°	2488.5	2868.8	3409.2	4071.4	5094.7	6387.5	7967.4	9933.8	12059.5	13997.6	15851.7
27.5°	2799.0	3346.9	4071.4	5213.4	6821.1	8665.3	11450.4	14112.2	16854.6	19260.2	21361.2
25°	3161.5	3886.9	5094.7	6821.1	9037.2	12223.5	15542.5	18830.1	21896.5	24615.8	26983.9
22.5°	3633.6	4742.3	6387.5	8665.3	12223.5	16026.1	19860.1	23531.9	26939.9	30022.5	32673.9
20°	4166.5	5574.3	7967.4	11450.4	15542.5	19860.1	24086.5	28146.9	31927.2	35349.3	38261.5
17.5°	4868.5	6872.9	9933.8	14112.2	18830.1	23531.9	28146.9	32581.3	36736.3	40293.5	43336.5
15°	5492.9	8067.8	12059.5	16854.6	21896.5	26939.9	31927.2	36736.3	40990.5	44615.5	47465.1
12.5°	6345.6	9431.3	13997.6	19260.2	24615.8	30022.5	35349.3	40293.5	44615.5	48157.3	50548.3
10°	7143.1	10858.3	15851.7	21361.2	26983.9	32673.9	38261.5	43336.5	47465.1	50548.3	52744.7
7.5°	7773.9	11990.2	17327.3	23040.6	28904.6	34831.0	40491.6	45469.2	49452.3	52330.7	54262.1
5°	8230.4	12811.1	18400.4	24266.2	30312.4	36421.3	42148.4	47048.4	50781.5	53362.9	54735.6
2.5°	8506.7	13308.7	19052.3	25012.5	31172.4	37396.9	43170.7	48030.9	51618.4	54024.9	55048.5
0°	8599.2	13475.5	19270.9	25263.1	31461.7	37725.9	43516.5	48364.7	51904.7	54253.8	55158.8
-2.5°	8506.7	13308.7	19052.3	25012.5	31172.4	37396.9	43170.7	48030.9	51618.4	54024.9	55048.5
-5°	8230.4	12811.1	18400.4	24266.2	30312.4	36421.3	42148.4	47048.4	50781.5	53362.9	54735.6
-7.5°	7773.9	11990.2	17327.3	23040.6	28904.6	34831.0	40491.6	45469.2	49452.3	52330.7	54262.1
-10°	7143.1	10858.3	15851.7	21361.2	26983.9	32673.9	38261.5	43336.5	47465.1	50548.3	52744.7
-12.5°	6345.6	9431.3	13997.6	19260.2	24615.8	30022.5	35349.3	40293.5	44615.5	48157.3	50548.3
-15°	5492.9	8067.8	12059.5	16854.6	21896.5	26939.9	31927.2	36736.3	40990.5	44615.5	47465.1
-17.5°	4868.5	6872.9	9933.8	14112.2	18830.1	23531.9	28146.9	32581.3	36736.3	40293.5	43336.5
-20°	4166.5	5574.3	7967.4	11450.4	15542.5	19860.1	24086.5	28146.9	31927.2	35349.3	38261.5



REPORT NUMBER: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3633.6	4742.3	6387.5	8665.3	12223.5	16026.1	19860.1	23531.9	26939.9	30022.5	32673.9
-25°	3161.5	3886.9	5094.7	6821.1	9037.2	12223.5	15542.5	18830.1	21896.5	24615.8	26983.9
-27.5°	2799.0	3346.9	4071.4	5213.4	6821.1	8665.3	11450.4	14112.2	16854.6	19260.2	21361.2
-30°	2488.5	2868.8	3409.2	4071.4	5094.7	6387.5	7967.4	9933.8	12059.5	13997.6	15851.7
-32.5°	2271.8	2522.4	2868.8	3346.9	3886.9	4742.3	5574.3	6872.9	8067.8	9431.3	10858.3
-35°	2077.3	2271.8	2488.5	2799.0	3161.5	3633.6	4166.5	4868.5	5492.9	6345.6	7143.1
-37.5°	1929.1	2063.8	2231.2	2410.5	2661.2	2916.1	3262.4	3628.2	3959.9	4457.7	4872.3
-40°	1810.1	1902.8	2023.6	2150.9	2308.3	2458.6	2676.1	2872.3	3081.9	3340.0	3554.4
-42.5°	1709.2	1784.2	1860.4	1957.5	2057.4	2168.5	2292.6	2404.4	2537.6	2675.3	2789.5
-45°	1626.9	1683.8	1741.7	1808.7	1871.3	1952.7	2031.0	2101.3	2188.2	2266.2	2330.8
-47.5°	1553.2	1597.9	1646.2	1693.5	1741.3	1794.9	1843.6	1890.8	1947.8	1996.7	2037.1
-50°	1482.5	1522.7	1562.0	1598.9	1637.9	1675.4	1709.5	1744.6	1780.0	1810.3	1835.2
-52.5°	1412.7	1449.5	1484.2	1517.0	1548.6	1577.7	1604.1	1631.4	1656.0	1677.0	1694.3
-55°	1341.9	1375.9	1407.9	1437.8	1465.6	1491.0	1514.3	1535.9	1554.9	1571.0	1584.4
-57.5°	1259.7	1297.3	1330.9	1358.3	1383.8	1407.1	1428.2	1447.0	1463.4	1477.5	1489.1
-60°	1169.6	1206.9	1239.4	1269.4	1297.3	1322.7	1341.9	1359.0	1373.9	1386.7	1397.2
-62.5°	1071.3	1108.2	1140.0	1169.6	1197.0	1221.0	1241.9	1260.5	1276.7	1290.5	1301.9
-65°	953.1	990.7	1025.9	1058.8	1088.8	1111.3	1131.6	1149.7	1165.5	1178.9	1189.9
-67.5°	837.1	869.7	900.3	928.7	955.4	980.1	1002.4	1022.2	1039.4	1054.1	1066.2
-70°	716.3	747.0	775.7	801.7	824.8	845.9	864.9	881.8	896.6	909.1	919.4
-72.5°	593.3	619.2	643.6	666.8	688.1	707.6	725.2	740.8	754.4	765.9	775.4
-75°	474.0	494.1	514.8	534.0	551.6	567.7	582.2	595.1	606.3	615.9	623.7
-77.5°	367.5	383.5	398.5	412.4	425.2	436.9	447.4	456.8	464.9	471.8	477.5
-80°	274.3	285.3	295.5	305.0	313.8	321.7	328.9	335.3	340.8	345.5	349.4
-82.5°	192.7	199.5	205.9	211.9	217.3	222.3	226.7	230.7	234.2	237.1	239.5
-85°	117.7	122.1	126.1	129.8	133.3	136.4	139.2	141.7	143.9	145.8	147.3
-87.5°	50.0	51.4	52.8	54.1	55.3	56.4	57.3	58.2	58.9	59.6	60.1
-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: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**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°	60.5	60.8	60.9	61.0	60.9	60.8	60.5	60.1	59.6	58.9	58.2
85°	148.5	149.3	149.8	150.0	149.8	149.3	148.5	147.3	145.8	143.9	141.7
82.5°	241.4	242.7	243.5	243.8	243.5	242.7	241.4	239.5	237.1	234.2	230.7
80°	352.4	354.6	355.9	356.3	355.9	354.6	352.4	349.4	345.5	340.8	335.3
77.5°	481.9	485.1	487.0	487.6	487.0	485.1	481.9	477.5	471.8	464.9	456.8
75°	629.8	634.2	636.8	637.7	636.8	634.2	629.8	623.7	615.9	606.3	595.1
72.5°	782.8	788.1	791.3	792.4	791.3	788.1	782.8	775.4	765.9	754.4	740.8
70°	927.4	933.2	936.6	937.8	936.6	933.2	927.4	919.4	909.1	896.6	881.8
67.5°	1075.6	1082.4	1086.4	1087.8	1086.4	1082.4	1075.6	1066.2	1054.1	1039.4	1022.2
65°	1198.6	1204.7	1208.5	1209.7	1208.5	1204.7	1198.6	1189.9	1178.9	1165.5	1149.7
62.5°	1310.7	1317.1	1320.9	1322.2	1320.9	1317.1	1310.7	1301.9	1290.5	1276.7	1260.5
60°	1405.4	1411.3	1414.8	1416.0	1414.8	1411.3	1405.4	1397.2	1386.7	1373.9	1359.0
57.5°	1498.1	1504.6	1508.5	1509.8	1508.5	1504.6	1498.1	1489.1	1477.5	1463.4	1447.0
55°	1594.8	1602.3	1606.8	1608.3	1606.8	1602.3	1594.8	1584.4	1571.0	1554.9	1535.9
52.5°	1707.9	1717.7	1723.5	1725.5	1723.5	1717.7	1707.9	1694.3	1677.0	1656.0	1631.4
50°	1854.8	1868.9	1877.4	1880.2	1877.4	1868.9	1854.8	1835.2	1810.3	1780.0	1744.6
47.5°	2068.8	2091.6	2105.3	2109.9	2105.3	2091.6	2068.8	2037.1	1996.7	1947.8	1890.8
45°	2381.6	2418.1	2440.1	2447.5	2440.1	2418.1	2381.6	2330.8	2266.2	2188.2	2101.3
42.5°	2879.3	2944.0	2983.0	2996.1	2983.0	2944.0	2879.3	2789.5	2675.3	2537.6	2404.4
40°	3723.3	3845.1	3918.7	3943.3	3918.7	3845.1	3723.3	3554.4	3340.0	3081.9	2872.3
37.5°	5199.5	5435.8	5578.7	5626.5	5578.7	5435.8	5199.5	4872.3	4457.7	3959.9	3628.2
35°	7773.9	8230.4	8506.7	8599.2	8506.7	8230.4	7773.9	7143.1	6345.6	5492.9	4868.5
32.5°	11990.2	12811.1	13308.7	13475.5	13308.7	12811.1	11990.2	10858.3	9431.3	8067.8	6872.9
30°	17327.3	18400.4	19052.3	19270.9	19052.3	18400.4	17327.3	15851.7	13997.6	12059.5	9933.8
27.5°	23040.6	24266.2	25012.5	25263.1	25012.5	24266.2	23040.6	21361.2	19260.2	16854.6	14112.2
25°	28904.6	30312.4	31172.4	31461.7	31172.4	30312.4	28904.6	26983.9	24615.8	21896.5	18830.1
22.5°	34831.0	36421.3	37396.9	37725.9	37396.9	36421.3	34831.0	32673.9	30022.5	26939.9	23531.9
20°	40491.6	42148.4	43170.7	43516.5	43170.7	42148.4	40491.6	38261.5	35349.3	31927.2	28146.9
17.5°	45469.2	47048.4	48030.9	48364.7	48030.9	47048.4	45469.2	43336.5	40293.5	36736.3	32581.3
15°	49452.3	50781.5	51618.4	51904.7	51618.4	50781.5	49452.3	47465.1	44615.5	40990.5	36736.3
12.5°	52330.7	53362.9	54024.9	54253.8	54024.9	53362.9	52330.7	50548.3	48157.3	44615.5	40293.5
10°	54262.1	54735.6	55048.5	55158.8	55048.5	54735.6	54262.1	52744.7	50548.3	47465.1	43336.5
7.5°	54944.7	55063.7	54958.2	54919.6	54958.2	55063.7	54944.7	54262.1	52330.7	49452.3	45469.2
5°	55063.7	54771.7	54267.3	54066.3	54267.3	54771.7	55063.7	54735.6	53362.9	50781.5	47048.4
2.5°	54958.2	54267.3	53621.2	53306.7	53621.2	54267.3	54958.2	55048.5	54024.9	51618.4	48030.9
0°	54919.6	54066.3	53306.7	52931.6	53306.7	54066.3	54919.6	55158.8	54253.8	51904.7	48364.7
-2.5°	54958.2	54267.3	53621.2	53306.7	53621.2	54267.3	54958.2	55048.5	54024.9	51618.4	48030.9
-5°	55063.7	54771.7	54267.3	54066.3	54267.3	54771.7	55063.7	54735.6	53362.9	50781.5	47048.4
-7.5°	54944.7	55063.7	54958.2	54919.6	54958.2	55063.7	54944.7	54262.1	52330.7	49452.3	45469.2
-10°	54262.1	54735.6	55048.5	55158.8	55048.5	54735.6	54262.1	52744.7	50548.3	47465.1	43336.5
-12.5°	52330.7	53362.9	54024.9	54253.8	54024.9	53362.9	52330.7	50548.3	48157.3	44615.5	40293.5
-15°	49452.3	50781.5	51618.4	51904.7	51618.4	50781.5	49452.3	47465.1	44615.5	40990.5	36736.3
-17.5°	45469.2	47048.4	48030.9	48364.7	48030.9	47048.4	45469.2	43336.5	40293.5	36736.3	32581.3
-20°	40491.6	42148.4	43170.7	43516.5	43170.7	42148.4	40491.6	38261.5	35349.3	31927.2	28146.9



REPORT NUMBER: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	34831.0	36421.3	37396.9	37725.9	37396.9	36421.3	34831.0	32673.9	30022.5	26939.9	23531.9
-25°	28904.6	30312.4	31172.4	31461.7	31172.4	30312.4	28904.6	26983.9	24615.8	21896.5	18830.1
-27.5°	23040.6	24266.2	25012.5	25263.1	25012.5	24266.2	23040.6	21361.2	19260.2	16854.6	14112.2
-30°	17327.3	18400.4	19052.3	19270.9	19052.3	18400.4	17327.3	15851.7	13997.6	12059.5	9933.8
-32.5°	11990.2	12811.1	13308.7	13475.5	13308.7	12811.1	11990.2	10858.3	9431.3	8067.8	6872.9
-35°	7773.9	8230.4	8506.7	8599.2	8506.7	8230.4	7773.9	7143.1	6345.6	5492.9	4868.5
-37.5°	5199.5	5435.8	5578.7	5626.5	5578.7	5435.8	5199.5	4872.3	4457.7	3959.9	3628.2
-40°	3723.3	3845.1	3918.7	3943.3	3918.7	3845.1	3723.3	3554.4	3340.0	3081.9	2872.3
-42.5°	2879.3	2944.0	2983.0	2996.1	2983.0	2944.0	2879.3	2789.5	2675.3	2537.6	2404.4
-45°	2381.6	2418.1	2440.1	2447.5	2440.1	2418.1	2381.6	2330.8	2266.2	2188.2	2101.3
-47.5°	2068.8	2091.6	2105.3	2109.9	2105.3	2091.6	2068.8	2037.1	1996.7	1947.8	1890.8
-50°	1854.8	1868.9	1877.4	1880.2	1877.4	1868.9	1854.8	1835.2	1810.3	1780.0	1744.6
-52.5°	1707.9	1717.7	1723.5	1725.5	1723.5	1717.7	1707.9	1694.3	1677.0	1656.0	1631.4
-55°	1594.8	1602.3	1606.8	1608.3	1606.8	1602.3	1594.8	1584.4	1571.0	1554.9	1535.9
-57.5°	1498.1	1504.6	1508.5	1509.8	1508.5	1504.6	1498.1	1489.1	1477.5	1463.4	1447.0
-60°	1405.4	1411.3	1414.8	1416.0	1414.8	1411.3	1405.4	1397.2	1386.7	1373.9	1359.0
-62.5°	1310.7	1317.1	1320.9	1322.2	1320.9	1317.1	1310.7	1301.9	1290.5	1276.7	1260.5
-65°	1198.6	1204.7	1208.5	1209.7	1208.5	1204.7	1198.6	1189.9	1178.9	1165.5	1149.7
-67.5°	1075.6	1082.4	1086.4	1087.8	1086.4	1082.4	1075.6	1066.2	1054.1	1039.4	1022.2
-70°	927.4	933.2	936.6	937.8	936.6	933.2	927.4	919.4	909.1	896.6	881.8
-72.5°	782.8	788.1	791.3	792.4	791.3	788.1	782.8	775.4	765.9	754.4	740.8
-75°	629.8	634.2	636.8	637.7	636.8	634.2	629.8	623.7	615.9	606.3	595.1
-77.5°	481.9	485.1	487.0	487.6	487.0	485.1	481.9	477.5	471.8	464.9	456.8
-80°	352.4	354.6	355.9	356.3	355.9	354.6	352.4	349.4	345.5	340.8	335.3
-82.5°	241.4	242.7	243.5	243.8	243.5	242.7	241.4	239.5	237.1	234.2	230.7
-85°	148.5	149.3	149.8	150.0	149.8	149.3	148.5	147.3	145.8	143.9	141.7
-87.5°	60.5	60.8	60.9	61.0	60.9	60.8	60.5	60.1	59.6	58.9	58.2
-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: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**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°	57.3	56.4	55.3	54.1	52.8	51.4	50.0	48.4	46.7	45.0	43.1
85°	139.2	136.4	133.3	129.8	126.1	122.1	117.7	113.2	108.3	103.2	97.8
82.5°	226.7	222.3	217.3	211.9	205.9	199.5	192.7	185.4	177.7	169.6	161.1
80°	328.9	321.7	313.8	305.0	295.5	285.3	274.3	262.6	250.3	238.4	227.0
77.5°	447.4	436.9	425.2	412.4	398.5	383.5	367.5	351.2	335.8	319.5	302.5
75°	582.2	567.7	551.6	534.0	514.8	494.1	474.0	453.4	431.7	408.9	384.9
72.5°	725.2	707.6	688.1	666.8	643.6	619.2	593.3	565.8	536.7	506.2	475.9
70°	864.9	845.9	824.8	801.7	775.7	747.0	716.3	683.8	649.4	614.0	577.4
67.5°	1002.4	980.1	955.4	928.7	900.3	869.7	837.1	802.5	764.4	723.6	681.0
65°	1131.6	1111.3	1088.8	1058.8	1025.9	990.7	953.1	913.9	873.2	830.5	785.5
62.5°	1241.9	1221.0	1197.0	1169.6	1140.0	1108.2	1071.3	1027.2	980.7	932.2	882.9
60°	1341.9	1322.7	1297.3	1269.4	1239.4	1206.9	1169.6	1130.2	1088.8	1035.7	980.1
57.5°	1428.2	1407.1	1383.8	1358.3	1330.9	1297.3	1259.7	1220.1	1175.8	1128.6	1077.6
55°	1514.3	1491.0	1465.6	1437.8	1407.9	1375.9	1341.9	1302.8	1257.6	1210.5	1157.4
52.5°	1604.1	1577.7	1548.6	1517.0	1484.2	1449.5	1412.7	1373.9	1333.3	1284.8	1232.1
50°	1709.5	1675.4	1637.9	1598.9	1562.0	1522.7	1482.5	1440.8	1397.2	1351.8	1301.2
47.5°	1843.6	1794.9	1741.3	1693.5	1646.2	1597.9	1553.2	1506.4	1459.8	1411.3	1361.1
45°	2031.0	1952.7	1871.3	1808.7	1741.7	1683.8	1626.9	1573.8	1521.5	1469.3	1416.0
42.5°	2292.6	2168.5	2057.4	1957.5	1860.4	1784.2	1709.2	1645.7	1584.2	1526.6	1469.3
40°	2676.1	2458.6	2308.3	2150.9	2023.6	1902.8	1810.1	1722.1	1652.0	1584.2	1521.5
37.5°	3262.4	2916.1	2661.2	2410.5	2231.2	2063.8	1929.1	1818.7	1722.1	1645.7	1573.8
35°	4166.5	3633.6	3161.5	2799.0	2488.5	2271.8	2077.3	1929.1	1810.1	1709.2	1626.9
32.5°	5574.3	4742.3	3886.9	3346.9	2868.8	2522.4	2271.8	2063.8	1902.8	1784.2	1683.8
30°	7967.4	6387.5	5094.7	4071.4	3409.2	2868.8	2488.5	2231.2	2023.6	1860.4	1741.7
27.5°	11450.4	8665.3	6821.1	5213.4	4071.4	3346.9	2799.0	2410.5	2150.9	1957.5	1808.7
25°	15542.5	12223.5	9037.2	6821.1	5094.7	3886.9	3161.5	2661.2	2308.3	2057.4	1871.3
22.5°	19860.1	16026.1	12223.5	8665.3	6387.5	4742.3	3633.6	2916.1	2458.6	2168.5	1952.7
20°	24086.5	19860.1	15542.5	11450.4	7967.4	5574.3	4166.5	3262.4	2676.1	2292.6	2031.0
17.5°	28146.9	23531.9	18830.1	14112.2	9933.8	6872.9	4868.5	3628.2	2872.3	2404.4	2101.3
15°	31927.2	26939.9	21896.5	16854.6	12059.5	8067.8	5492.9	3959.9	3081.9	2537.6	2188.2
12.5°	35349.3	30022.5	24615.8	19260.2	13997.6	9431.3	6345.6	4457.7	3340.0	2675.3	2266.2
10°	38261.5	32673.9	26983.9	21361.2	15851.7	10858.3	7143.1	4872.3	3554.4	2789.5	2330.8
7.5°	40491.6	34831.0	28904.6	23040.6	17327.3	11990.2	7773.9	5199.5	3723.3	2879.3	2381.6
5°	42148.4	36421.3	30312.4	24266.2	18400.4	12811.1	8230.4	5435.8	3845.1	2944.0	2418.1
2.5°	43170.7	37396.9	31172.4	25012.5	19052.3	13308.7	8506.7	5578.7	3918.7	2983.0	2440.1
0°	43516.5	37725.9	31461.7	25263.1	19270.9	13475.5	8599.2	5626.5	3943.3	2996.1	2447.5
-2.5°	43170.7	37396.9	31172.4	25012.5	19052.3	13308.7	8506.7	5578.7	3918.7	2983.0	2440.1
-5°	42148.4	36421.3	30312.4	24266.2	18400.4	12811.1	8230.4	5435.8	3845.1	2944.0	2418.1
-7.5°	40491.6	34831.0	28904.6	23040.6	17327.3	11990.2	7773.9	5199.5	3723.3	2879.3	2381.6
-10°	38261.5	32673.9	26983.9	21361.2	15851.7	10858.3	7143.1	4872.3	3554.4	2789.5	2330.8
-12.5°	35349.3	30022.5	24615.8	19260.2	13997.6	9431.3	6345.6	4457.7	3340.0	2675.3	2266.2
-15°	31927.2	26939.9	21896.5	16854.6	12059.5	8067.8	5492.9	3959.9	3081.9	2537.6	2188.2
-17.5°	28146.9	23531.9	18830.1	14112.2	9933.8	6872.9	4868.5	3628.2	2872.3	2404.4	2101.3
-20°	24086.5	19860.1	15542.5	11450.4	7967.4	5574.3	4166.5	3262.4	2676.1	2292.6	2031.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19860.1	16026.1	12223.5	8665.3	6387.5	4742.3	3633.6	2916.1	2458.6	2168.5	1952.7
-25°	15542.5	12223.5	9037.2	6821.1	5094.7	3886.9	3161.5	2661.2	2308.3	2057.4	1871.3
-27.5°	11450.4	8665.3	6821.1	5213.4	4071.4	3346.9	2799.0	2410.5	2150.9	1957.5	1808.7
-30°	7967.4	6387.5	5094.7	4071.4	3409.2	2868.8	2488.5	2231.2	2023.6	1860.4	1741.7
-32.5°	5574.3	4742.3	3886.9	3346.9	2868.8	2522.4	2271.8	2063.8	1902.8	1784.2	1683.8
-35°	4166.5	3633.6	3161.5	2799.0	2488.5	2271.8	2077.3	1929.1	1810.1	1709.2	1626.9
-37.5°	3262.4	2916.1	2661.2	2410.5	2231.2	2063.8	1929.1	1818.7	1722.1	1645.7	1573.8
-40°	2676.1	2458.6	2308.3	2150.9	2023.6	1902.8	1810.1	1722.1	1652.0	1584.2	1521.5
-42.5°	2292.6	2168.5	2057.4	1957.5	1860.4	1784.2	1709.2	1645.7	1584.2	1526.6	1469.3
-45°	2031.0	1952.7	1871.3	1808.7	1741.7	1683.8	1626.9	1573.8	1521.5	1469.3	1416.0
-47.5°	1843.6	1794.9	1741.3	1693.5	1646.2	1597.9	1553.2	1506.4	1459.8	1411.3	1361.1
-50°	1709.5	1675.4	1637.9	1598.9	1562.0	1522.7	1482.5	1440.8	1397.2	1351.8	1301.2
-52.5°	1604.1	1577.7	1548.6	1517.0	1484.2	1449.5	1412.7	1373.9	1333.3	1284.8	1232.1
-55°	1514.3	1491.0	1465.6	1437.8	1407.9	1375.9	1341.9	1302.8	1257.6	1210.5	1157.4
-57.5°	1428.2	1407.1	1383.8	1358.3	1330.9	1297.3	1259.7	1220.1	1175.8	1128.6	1077.6
-60°	1341.9	1322.7	1297.3	1269.4	1239.4	1206.9	1169.6	1130.2	1088.8	1035.7	980.1
-62.5°	1241.9	1221.0	1197.0	1169.6	1140.0	1108.2	1071.3	1027.2	980.7	932.2	882.9
-65°	1131.6	1111.3	1088.8	1058.8	1025.9	990.7	953.1	913.9	873.2	830.5	785.5
-67.5°	1002.4	980.1	955.4	928.7	900.3	869.7	837.1	802.5	764.4	723.6	681.0
-70°	864.9	845.9	824.8	801.7	775.7	747.0	716.3	683.8	649.4	614.0	577.4
-72.5°	725.2	707.6	688.1	666.8	643.6	619.2	593.3	565.8	536.7	506.2	475.9
-75°	582.2	567.7	551.6	534.0	514.8	494.1	474.0	453.4	431.7	408.9	384.9
-77.5°	447.4	436.9	425.2	412.4	398.5	383.5	367.5	351.2	335.8	319.5	302.5
-80°	328.9	321.7	313.8	305.0	295.5	285.3	274.3	262.6	250.3	238.4	227.0
-82.5°	226.7	222.3	217.3	211.9	205.9	199.5	192.7	185.4	177.7	169.6	161.1
-85°	139.2	136.4	133.3	129.8	126.1	122.1	117.7	113.2	108.3	103.2	97.8
-87.5°	57.3	56.4	55.3	54.1	52.8	51.4	50.0	48.4	46.7	45.0	43.1
-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: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**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°	41.2	39.2	37.1	35.0	32.8	30.5	28.2	25.8	23.3	20.9	18.3
85°	92.2	86.3	80.3	74.0	67.6	60.9	56.3	51.5	46.6	41.7	36.6
82.5°	152.2	143.3	134.2	124.9	115.2	105.2	95.0	84.6	73.9	63.1	54.9
80°	215.2	202.9	190.1	176.9	163.3	149.3	135.7	121.8	107.6	93.2	78.6
77.5°	284.7	266.2	247.0	230.0	213.0	195.5	177.6	159.3	141.1	123.1	104.8
75°	360.0	337.2	314.2	290.5	266.0	241.4	219.9	198.0	175.7	152.9	130.9
72.5°	446.7	416.4	385.1	353.2	324.7	295.4	265.5	236.3	210.3	183.9	157.1
70°	539.2	499.6	462.3	425.3	387.2	349.4	315.2	280.3	244.7	214.4	183.9
67.5°	636.7	592.1	545.9	498.4	454.3	410.5	365.6	325.1	285.2	244.7	210.3
65°	736.1	684.9	632.2	579.4	525.1	471.8	422.1	371.5	325.1	280.3	236.3
62.5°	831.8	777.9	719.7	659.8	599.6	538.5	477.7	422.1	365.6	315.2	265.5
60°	922.8	864.9	805.2	740.8	673.8	606.3	538.5	471.8	410.5	349.4	295.4
57.5°	1014.9	950.1	885.0	818.6	747.8	673.8	599.6	525.1	454.3	387.2	324.7
55°	1102.4	1035.9	964.0	891.7	818.6	740.8	659.8	579.4	498.4	425.3	353.2
52.5°	1174.8	1113.9	1042.9	964.0	885.0	805.2	719.7	632.2	545.9	462.3	385.1
50°	1242.9	1180.7	1113.9	1035.9	950.1	864.9	777.9	684.9	592.1	499.6	416.4
47.5°	1306.7	1242.9	1174.8	1102.4	1014.9	922.8	831.8	736.1	636.7	539.2	446.7
45°	1361.1	1301.2	1232.1	1157.4	1077.6	980.1	882.9	785.5	681.0	577.4	475.9
42.5°	1411.3	1351.8	1284.8	1210.5	1128.6	1035.7	932.2	830.5	723.6	614.0	506.2
40°	1459.8	1397.2	1333.3	1257.6	1175.8	1088.8	980.7	873.2	764.4	649.4	536.7
37.5°	1506.4	1440.8	1373.9	1302.8	1220.1	1130.2	1027.2	913.9	802.5	683.8	565.8
35°	1553.2	1482.5	1412.7	1341.9	1259.7	1169.6	1071.3	953.1	837.1	716.3	593.3
32.5°	1597.9	1522.7	1449.5	1375.9	1297.3	1206.9	1108.2	990.7	869.7	747.0	619.2
30°	1646.2	1562.0	1484.2	1407.9	1330.9	1239.4	1140.0	1025.9	900.3	775.7	643.6
27.5°	1693.5	1598.9	1517.0	1437.8	1358.3	1269.4	1169.6	1058.8	928.7	801.7	666.8
25°	1741.3	1637.9	1548.6	1465.6	1383.8	1297.3	1197.0	1088.8	955.4	824.8	688.1
22.5°	1794.9	1675.4	1577.7	1491.0	1407.1	1322.7	1221.0	1111.3	980.1	845.9	707.6
20°	1843.6	1709.5	1604.1	1514.3	1428.2	1341.9	1241.9	1131.6	1002.4	864.9	725.2
17.5°	1890.8	1744.6	1631.4	1535.9	1447.0	1359.0	1260.5	1149.7	1022.2	881.8	740.8
15°	1947.8	1780.0	1656.0	1554.9	1463.4	1373.9	1276.7	1165.5	1039.4	896.6	754.4
12.5°	1996.7	1810.3	1677.0	1571.0	1477.5	1386.7	1290.5	1178.9	1054.1	909.1	765.9
10°	2037.1	1835.2	1694.3	1584.4	1489.1	1397.2	1301.9	1189.9	1066.2	919.4	775.4
7.5°	2068.8	1854.8	1707.9	1594.8	1498.1	1405.4	1310.7	1198.6	1075.6	927.4	782.8
5°	2091.6	1868.9	1717.7	1602.3	1504.6	1411.3	1317.1	1204.7	1082.4	933.2	788.1
2.5°	2105.3	1877.4	1723.5	1606.8	1508.5	1414.8	1320.9	1208.5	1086.4	936.6	791.3
0°	2109.9	1880.2	1725.5	1608.3	1509.8	1416.0	1322.2	1209.7	1087.8	937.8	792.4
-2.5°	2105.3	1877.4	1723.5	1606.8	1508.5	1414.8	1320.9	1208.5	1086.4	936.6	791.3
-5°	2091.6	1868.9	1717.7	1602.3	1504.6	1411.3	1317.1	1204.7	1082.4	933.2	788.1
-7.5°	2068.8	1854.8	1707.9	1594.8	1498.1	1405.4	1310.7	1198.6	1075.6	927.4	782.8
-10°	2037.1	1835.2	1694.3	1584.4	1489.1	1397.2	1301.9	1189.9	1066.2	919.4	775.4
-12.5°	1996.7	1810.3	1677.0	1571.0	1477.5	1386.7	1290.5	1178.9	1054.1	909.1	765.9
-15°	1947.8	1780.0	1656.0	1554.9	1463.4	1373.9	1276.7	1165.5	1039.4	896.6	754.4
-17.5°	1890.8	1744.6	1631.4	1535.9	1447.0	1359.0	1260.5	1149.7	1022.2	881.8	740.8
-20°	1843.6	1709.5	1604.1	1514.3	1428.2	1341.9	1241.9	1131.6	1002.4	864.9	725.2

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1121 Highway 74 South  
Peachtree City, GA 30269

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REPORT NUMBER: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1794.9	1675.4	1577.7	1491.0	1407.1	1322.7	1221.0	1111.3	980.1	845.9	707.6
-25°	1741.3	1637.9	1548.6	1465.6	1383.8	1297.3	1197.0	1088.8	955.4	824.8	688.1
-27.5°	1693.5	1598.9	1517.0	1437.8	1358.3	1269.4	1169.6	1058.8	928.7	801.7	666.8
-30°	1646.2	1562.0	1484.2	1407.9	1330.9	1239.4	1140.0	1025.9	900.3	775.7	643.6
-32.5°	1597.9	1522.7	1449.5	1375.9	1297.3	1206.9	1108.2	990.7	869.7	747.0	619.2
-35°	1553.2	1482.5	1412.7	1341.9	1259.7	1169.6	1071.3	953.1	837.1	716.3	593.3
-37.5°	1506.4	1440.8	1373.9	1302.8	1220.1	1130.2	1027.2	913.9	802.5	683.8	565.8
-40°	1459.8	1397.2	1333.3	1257.6	1175.8	1088.8	980.7	873.2	764.4	649.4	536.7
-42.5°	1411.3	1351.8	1284.8	1210.5	1128.6	1035.7	932.2	830.5	723.6	614.0	506.2
-45°	1361.1	1301.2	1232.1	1157.4	1077.6	980.1	882.9	785.5	681.0	577.4	475.9
-47.5°	1306.7	1242.9	1174.8	1102.4	1014.9	922.8	831.8	736.1	636.7	539.2	446.7
-50°	1242.9	1180.7	1113.9	1035.9	950.1	864.9	777.9	684.9	592.1	499.6	416.4
-52.5°	1174.8	1113.9	1042.9	964.0	885.0	805.2	719.7	632.2	545.9	462.3	385.1
-55°	1102.4	1035.9	964.0	891.7	818.6	740.8	659.8	579.4	498.4	425.3	353.2
-57.5°	1014.9	950.1	885.0	818.6	747.8	673.8	599.6	525.1	454.3	387.2	324.7
-60°	922.8	864.9	805.2	740.8	673.8	606.3	538.5	471.8	410.5	349.4	295.4
-62.5°	831.8	777.9	719.7	659.8	599.6	538.5	477.7	422.1	365.6	315.2	265.5
-65°	736.1	684.9	632.2	579.4	525.1	471.8	422.1	371.5	325.1	280.3	236.3
-67.5°	636.7	592.1	545.9	498.4	454.3	410.5	365.6	325.1	285.2	244.7	210.3
-70°	539.2	499.6	462.3	425.3	387.2	349.4	315.2	280.3	244.7	214.4	183.9
-72.5°	446.7	416.4	385.1	353.2	324.7	295.4	265.5	236.3	210.3	183.9	157.1
-75°	360.0	337.2	314.2	290.5	266.0	241.4	219.9	198.0	175.7	152.9	130.9
-77.5°	284.7	266.2	247.0	230.0	213.0	195.5	177.6	159.3	141.1	123.1	104.8
-80°	215.2	202.9	190.1	176.9	163.3	149.3	135.7	121.8	107.6	93.2	78.6
-82.5°	152.2	143.3	134.2	124.9	115.2	105.2	95.0	84.6	73.9	63.1	54.9
-85°	92.2	86.3	80.3	74.0	67.6	60.9	56.3	51.5	46.6	41.7	36.6
-87.5°	41.2	39.2	37.1	35.0	32.8	30.5	28.2	25.8	23.3	20.9	18.3
-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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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624801 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**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°	15.8	13.2	10.6	8.0	5.3	2.7	0.0
85°	31.5	26.4	21.2	15.9	10.6	5.3	0.0
82.5°	47.2	39.5	31.7	23.8	15.9	8.0	0.0
80°	63.7	52.6	42.2	31.7	21.2	10.6	0.0
77.5°	86.3	67.6	52.6	39.5	26.4	13.2	0.0
75°	108.7	86.3	63.7	47.2	31.5	15.8	0.0
72.5°	130.9	104.8	78.6	54.9	36.6	18.3	0.0
70°	152.9	123.1	93.2	63.1	41.7	20.9	0.0
67.5°	175.7	141.1	107.6	73.9	46.6	23.3	0.0
65°	198.0	159.3	121.8	84.6	51.5	25.8	0.0
62.5°	219.9	177.6	135.7	95.0	56.3	28.2	0.0
60°	241.4	195.5	149.3	105.2	60.9	30.5	0.0
57.5°	266.0	213.0	163.3	115.2	67.6	32.8	0.0
55°	290.5	230.0	176.9	124.9	74.0	35.0	0.0
52.5°	314.2	247.0	190.1	134.2	80.3	37.1	0.0
50°	337.2	266.2	202.9	143.3	86.3	39.2	0.0
47.5°	360.0	284.7	215.2	152.2	92.2	41.2	0.0
45°	384.9	302.5	227.0	161.1	97.8	43.1	0.0
42.5°	408.9	319.5	238.4	169.6	103.2	45.0	0.0
40°	431.7	335.8	250.3	177.7	108.3	46.7	0.0
37.5°	453.4	351.2	262.6	185.4	113.2	48.4	0.0
35°	474.0	367.5	274.3	192.7	117.7	50.0	0.0
32.5°	494.1	383.5	285.3	199.5	122.1	51.4	0.0
30°	514.8	398.5	295.5	205.9	126.1	52.8	0.0
27.5°	534.0	412.4	305.0	211.9	129.8	54.1	0.0
25°	551.6	425.2	313.8	217.3	133.3	55.3	0.0
22.5°	567.7	436.9	321.7	222.3	136.4	56.4	0.0
20°	582.2	447.4	328.9	226.7	139.2	57.3	0.0
17.5°	595.1	456.8	335.3	230.7	141.7	58.2	0.0
15°	606.3	464.9	340.8	234.2	143.9	58.9	0.0
12.5°	615.9	471.8	345.5	237.1	145.8	59.6	0.0
10°	623.7	477.5	349.4	239.5	147.3	60.1	0.0
7.5°	629.8	481.9	352.4	241.4	148.5	60.5	0.0
5°	634.2	485.1	354.6	242.7	149.3	60.8	0.0
2.5°	636.8	487.0	355.9	243.5	149.8	60.9	0.0
0°	637.7	487.6	356.3	243.8	150.0	61.0	0.0
-2.5°	636.8	487.0	355.9	243.5	149.8	60.9	0.0
-5°	634.2	485.1	354.6	242.7	149.3	60.8	0.0
-7.5°	629.8	481.9	352.4	241.4	148.5	60.5	0.0
-10°	623.7	477.5	349.4	239.5	147.3	60.1	0.0
-12.5°	615.9	471.8	345.5	237.1	145.8	59.6	0.0
-15°	606.3	464.9	340.8	234.2	143.9	58.9	0.0
-17.5°	595.1	456.8	335.3	230.7	141.7	58.2	0.0
-20°	582.2	447.4	328.9	226.7	139.2	57.3	0.0

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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-55

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	567.7	436.9	321.7	222.3	136.4	56.4	0.0
-25°	551.6	425.2	313.8	217.3	133.3	55.3	0.0
-27.5°	534.0	412.4	305.0	211.9	129.8	54.1	0.0
-30°	514.8	398.5	295.5	205.9	126.1	52.8	0.0
-32.5°	494.1	383.5	285.3	199.5	122.1	51.4	0.0
-35°	474.0	367.5	274.3	192.7	117.7	50.0	0.0
-37.5°	453.4	351.2	262.6	185.4	113.2	48.4	0.0
-40°	431.7	335.8	250.3	177.7	108.3	46.7	0.0
-42.5°	408.9	319.5	238.4	169.6	103.2	45.0	0.0
-45°	384.9	302.5	227.0	161.1	97.8	43.1	0.0
-47.5°	360.0	284.7	215.2	152.2	92.2	41.2	0.0
-50°	337.2	266.2	202.9	143.3	86.3	39.2	0.0
-52.5°	314.2	247.0	190.1	134.2	80.3	37.1	0.0
-55°	290.5	230.0	176.9	124.9	74.0	35.0	0.0
-57.5°	266.0	213.0	163.3	115.2	67.6	32.8	0.0
-60°	241.4	195.5	149.3	105.2	60.9	30.5	0.0
-62.5°	219.9	177.6	135.7	95.0	56.3	28.2	0.0
-65°	198.0	159.3	121.8	84.6	51.5	25.8	0.0
-67.5°	175.7	141.1	107.6	73.9	46.6	23.3	0.0
-70°	152.9	123.1	93.2	63.1	41.7	20.9	0.0
-72.5°	130.9	104.8	78.6	54.9	36.6	18.3	0.0
-75°	108.7	86.3	63.7	47.2	31.5	15.8	0.0
-77.5°	86.3	67.6	52.6	39.5	26.4	13.2	0.0
-80°	63.7	52.6	42.2	31.7	21.2	10.6	0.0
-82.5°	47.2	39.5	31.7	23.8	15.9	8.0	0.0
-85°	31.5	26.4	21.2	15.9	10.6	5.3	0.0
-87.5°	15.8	13.2	10.6	8.0	5.3	2.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)