

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: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-5700K-77**

Issue Date: 11/8/2022



**Test Information**

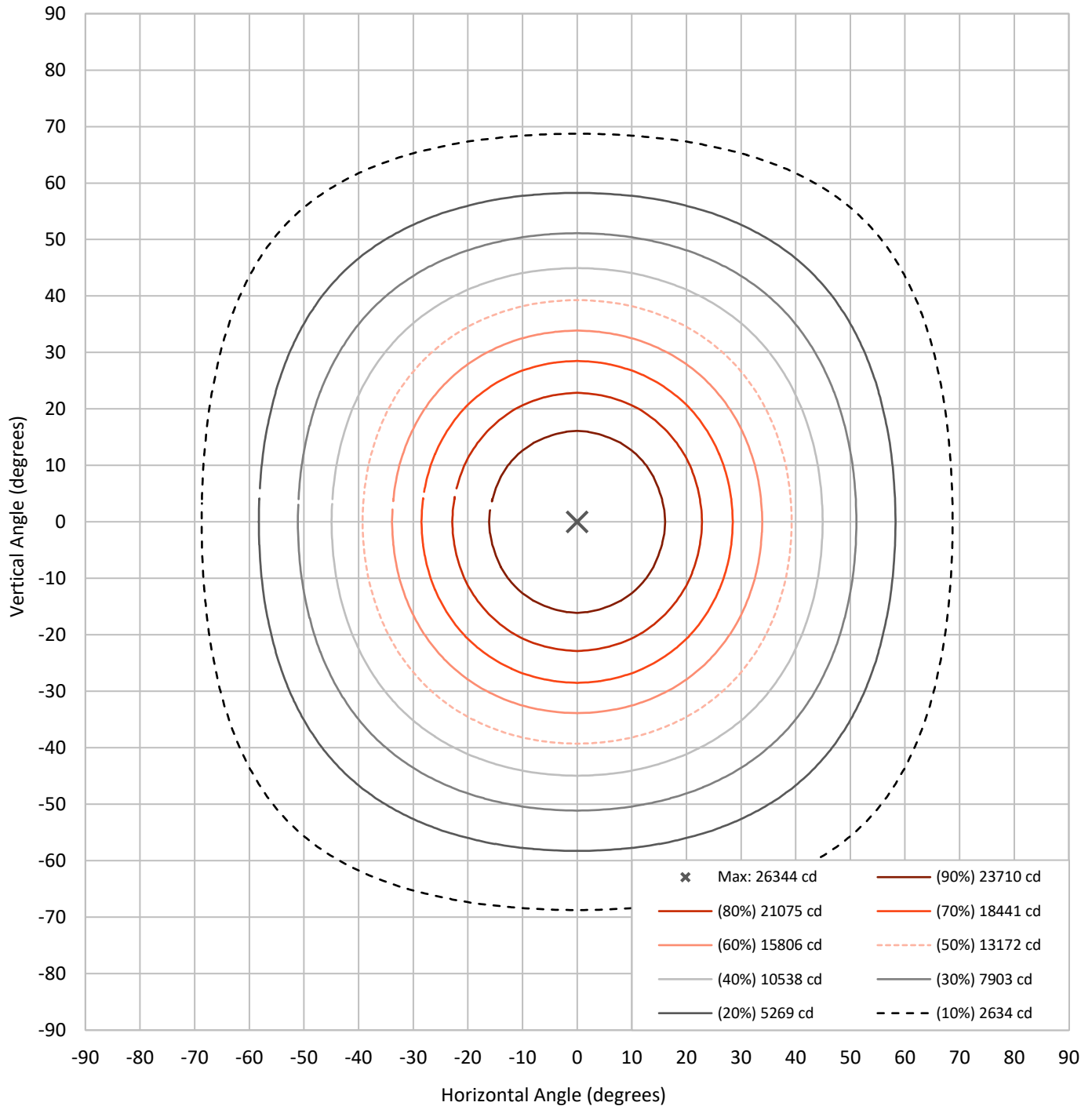
Test Method: LM-79-08  
Report Number: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-08-E-PRO-5700K-77  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 77 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	47424 lumens	Max Intensity:	26344 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	78.6°H x 78.6°V	Field Angle (10%):	137.5°H x 137.5°V
Beam Lumens:	27361.3 lumens	Field Lumens:	44801.8 lumens
Beam Efficiency:	57.7%	Field Efficiency:	94.5%
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





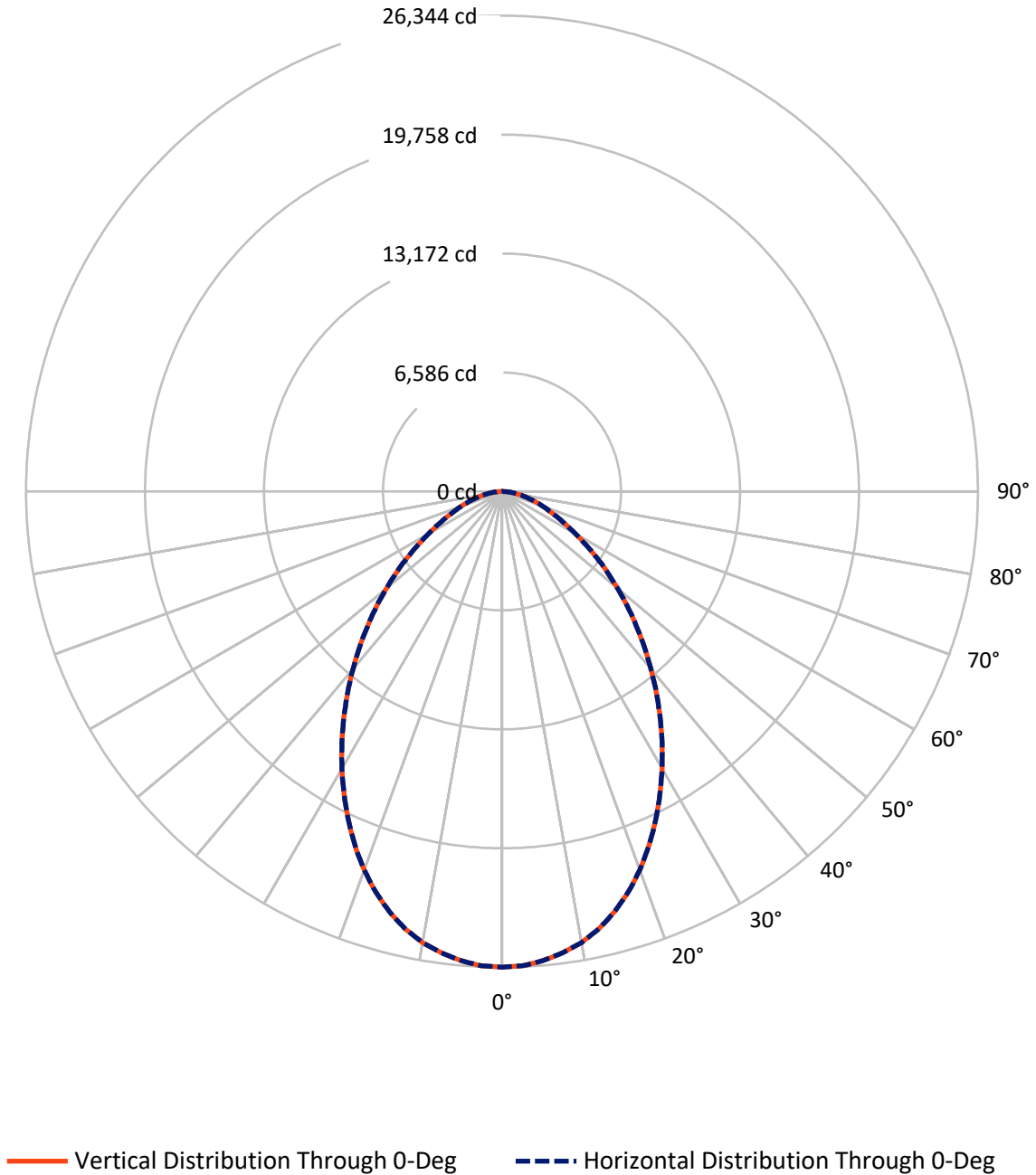
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### Lumen Table

90																			
80	4.0	27.8	69.0	109.2	125.7	109.2	69.0	27.8	4.0										
70																			
60	12.6	13.0	26.1	42.9	61.7	80.0	95.1	103.4	103.4	95.1	80.0	61.7	42.9	26.1	13.0				12.6
50																			
40	21.1	19.4	40.1	68.6	104.3	142.5	174.9	193.3	193.3	174.9	142.5	104.3	68.6	40.1	19.4				21.1
30																			
20	27.6	26.0	55.8	102.4	164.0	229.1	283.9	315.3	315.3	283.9	229.1	164.0	102.4	55.8	26.0				27.6
10																			
0	30.0	32.3	73.5	142.0	231.1	326.5	408.4	456.2	456.2	408.4	326.5	231.1	142.0	73.5	32.3				30.0
-10																			
-20	27.6	37.9	91.1	179.5	295.6	422.5	533.7	599.3	599.3	533.7	422.5	295.6	179.5	91.1	37.9				27.6
-30																			
-40	21.1	42.4	105.0	208.9	347.2	501.3	637.5	716.5	716.5	637.5	501.3	347.2	208.9	105.0	42.4				21.1
-50																			
-60	12.6	44.7	112.5	225.1	376.2	546.0	695.0	777.3	777.3	695.0	546.0	376.2	225.1	112.5	44.7				12.6
-70																			
-80	4.0	44.7	112.5	225.1	376.2	546.0	695.0	777.3	777.3	695.0	546.0	376.2	225.1	112.5	44.7				4.0
-90																			

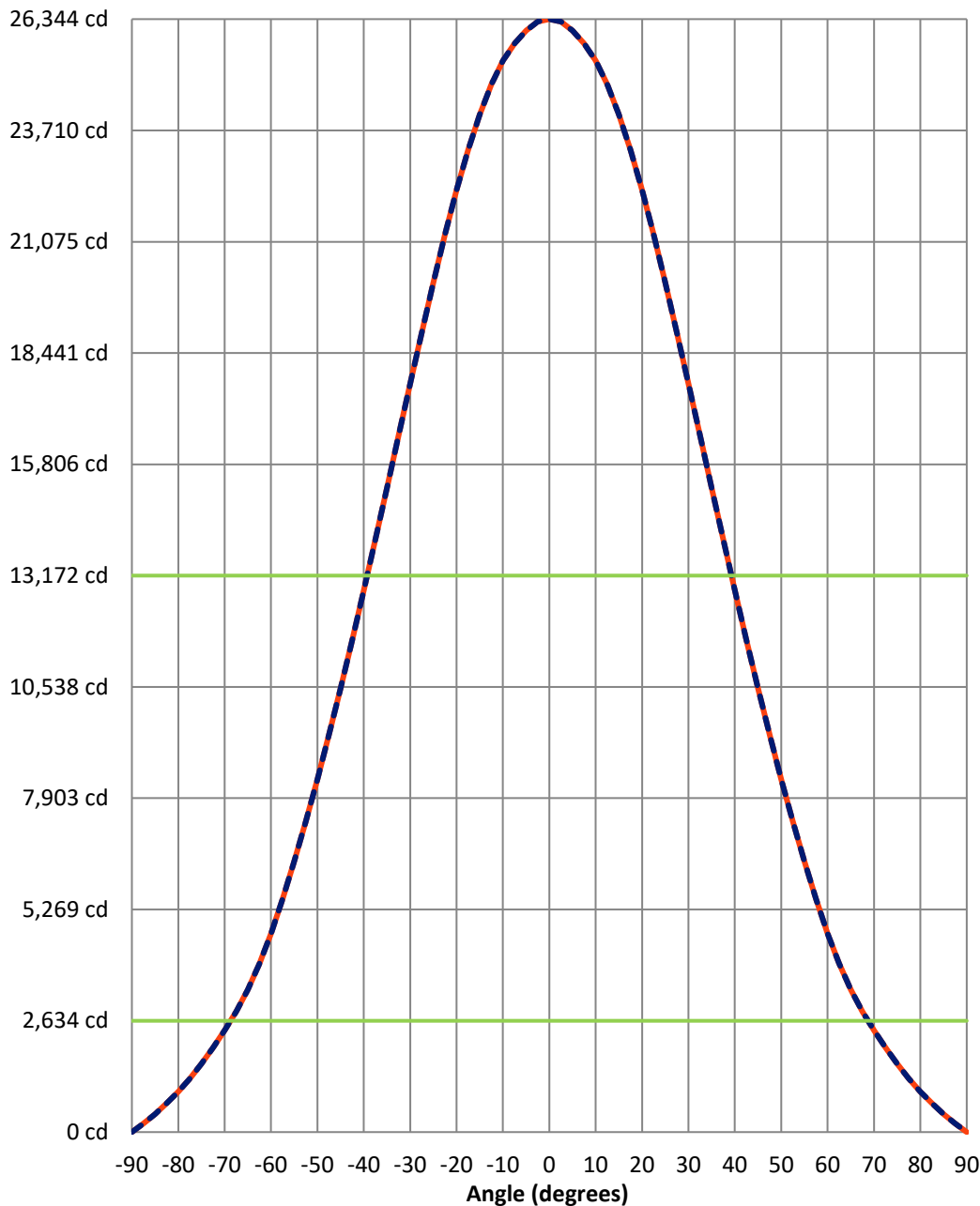
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 78.6°  
 V Angle: 78.6°  
 Lumens: 27361.3  
 Efficiency: 57.7%

**Field:**  
 H Angle: 137.5°  
 V Angle: 137.5°  
 Lumens: 44801.8  
 Efficiency: 94.5%

**Spill:**  
 Lumens: 2622.1  
 Efficiency: 5.5%

- 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	8.8	17.7	26.5	35.2	43.9	52.5	61.0	69.3	77.6	85.7
85°	0.0	17.7	35.3	52.9	70.3	87.7	104.9	121.8	138.6	155.0	171.2
82.5°	0.0	26.5	52.9	79.2	105.4	131.3	157.0	182.5	208.0	235.1	261.7
80°	0.0	35.2	70.3	105.4	140.2	174.7	209.6	246.7	283.3	319.4	354.9
77.5°	0.0	43.9	87.7	131.3	174.7	219.3	266.1	312.4	358.1	403.2	450.8
75°	0.0	52.5	104.9	157.0	209.6	266.1	322.1	377.6	433.4	495.7	557.0
72.5°	0.0	61.0	121.8	182.5	246.7	312.4	377.6	444.6	518.2	590.7	662.0
70°	0.0	69.3	138.6	208.0	283.3	358.1	433.4	518.2	602.0	684.8	770.7
67.5°	0.0	77.6	155.0	235.1	319.4	403.2	495.7	590.7	684.8	782.7	879.1
65°	0.0	85.7	171.2	261.7	354.9	450.8	557.0	662.0	770.7	879.1	990.5
62.5°	0.0	93.6	187.1	287.8	389.6	501.0	617.0	734.9	855.1	976.7	1110.6
60°	0.0	101.4	202.6	313.3	423.6	550.1	675.9	807.3	937.8	1083.0	1228.5
57.5°	0.0	108.9	219.2	338.2	461.7	598.0	736.2	878.1	1027.9	1186.9	1353.7
55°	0.0	116.3	235.3	362.4	499.0	644.6	795.4	947.1	1118.1	1291.2	1480.7
52.5°	0.0	123.4	251.0	385.9	535.2	690.3	852.8	1022.8	1205.9	1402.4	1604.2
50°	0.0	130.3	266.1	408.6	570.2	736.6	908.4	1097.1	1294.1	1510.4	1733.3
47.5°	0.0	137.0	280.7	431.4	604.0	781.3	963.3	1169.0	1386.8	1614.8	1859.2
45°	0.0	143.4	294.8	455.7	636.5	824.3	1022.4	1238.2	1476.0	1723.7	1980.8
42.5°	0.0	149.5	308.2	479.0	667.6	865.5	1079.2	1309.4	1561.7	1828.6	2105.4
40°	0.0	155.3	321.0	501.3	698.2	904.9	1133.4	1380.9	1645.9	1928.9	2226.1
37.5°	0.0	160.9	333.2	522.4	728.0	942.3	1184.9	1448.8	1730.5	2026.5	2341.1
35°	0.0	166.1	344.7	542.4	756.2	981.0	1233.6	1513.2	1810.6	2124.1	2453.7
32.5°	0.0	171.0	355.5	561.1	782.8	1019.0	1281.2	1573.8	1886.0	2216.2	2565.3
30°	0.0	175.6	365.6	578.6	807.5	1054.6	1329.6	1631.6	1956.7	2302.4	2669.9
27.5°	0.0	179.9	374.9	594.9	830.5	1087.6	1374.4	1688.6	2024.2	2382.6	2767.3
25°	0.0	183.8	383.5	609.8	851.7	1118.0	1415.7	1741.2	2089.5	2460.7	2857.9
22.5°	0.0	187.4	391.3	623.5	870.9	1145.7	1453.4	1789.2	2149.0	2533.9	2953.7
20°	0.0	190.6	398.4	635.7	888.3	1170.7	1487.3	1832.4	2202.7	2600.0	3040.2
17.5°	0.0	193.4	404.7	646.6	903.7	1192.8	1517.5	1870.8	2250.4	2658.7	3117.1
15°	0.0	195.9	410.1	656.1	917.1	1212.1	1543.7	1904.3	2292.0	2709.9	3184.3
12.5°	0.0	198.0	414.7	664.1	928.5	1228.5	1566.0	1932.7	2327.4	2753.5	3241.5
10°	0.0	199.7	418.5	670.7	937.8	1242.0	1584.4	1956.1	2356.4	2789.4	3288.5
7.5°	0.0	201.1	421.5	675.9	945.1	1252.5	1598.7	1974.4	2379.1	2817.4	3325.3
5°	0.0	202.0	423.6	679.5	950.3	1260.0	1608.9	1987.4	2395.4	2837.4	3351.6
2.5°	0.0	202.6	424.9	681.8	953.5	1264.5	1615.0	1995.3	2405.1	2849.5	3367.4
0°	0.0	202.8	425.3	682.5	954.5	1266.0	1617.1	1997.9	2408.4	2853.5	3372.7
-2.5°	0.0	202.6	424.9	681.8	953.5	1264.5	1615.0	1995.3	2405.1	2849.5	3367.4
-5°	0.0	202.0	423.6	679.5	950.3	1260.0	1608.9	1987.4	2395.4	2837.4	3351.6
-7.5°	0.0	201.1	421.5	675.9	945.1	1252.5	1598.7	1974.4	2379.1	2817.4	3325.3
-10°	0.0	199.7	418.5	670.7	937.8	1242.0	1584.4	1956.1	2356.4	2789.4	3288.5
-12.5°	0.0	198.0	414.7	664.1	928.5	1228.5	1566.0	1932.7	2327.4	2753.5	3241.5
-15°	0.0	195.9	410.1	656.1	917.1	1212.1	1543.7	1904.3	2292.0	2709.9	3184.3
-17.5°	0.0	193.4	404.7	646.6	903.7	1192.8	1517.5	1870.8	2250.4	2658.7	3117.1
-20°	0.0	190.6	398.4	635.7	888.3	1170.7	1487.3	1832.4	2202.7	2600.0	3040.2

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Scaled Data Report



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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	187.4	391.3	623.5	870.9	1145.7	1453.4	1789.2	2149.0	2533.9	2953.7
-25°	0.0	183.8	383.5	609.8	851.7	1118.0	1415.7	1741.2	2089.5	2460.7	2857.9
-27.5°	0.0	179.9	374.9	594.9	830.5	1087.6	1374.4	1688.6	2024.2	2382.6	2767.3
-30°	0.0	175.6	365.6	578.6	807.5	1054.6	1329.6	1631.6	1956.7	2302.4	2669.9
-32.5°	0.0	171.0	355.5	561.1	782.8	1019.0	1281.2	1573.8	1886.0	2216.2	2565.3
-35°	0.0	166.1	344.7	542.4	756.2	981.0	1233.6	1513.2	1810.6	2124.1	2453.7
-37.5°	0.0	160.9	333.2	522.4	728.0	942.3	1184.9	1448.8	1730.5	2026.5	2341.1
-40°	0.0	155.3	321.0	501.3	698.2	904.9	1133.4	1380.9	1645.9	1928.9	2226.1
-42.5°	0.0	149.5	308.2	479.0	667.6	865.5	1079.2	1309.4	1561.7	1828.6	2105.4
-45°	0.0	143.4	294.8	455.7	636.5	824.3	1022.4	1238.2	1476.0	1723.7	1980.8
-47.5°	0.0	137.0	280.7	431.4	604.0	781.3	963.3	1169.0	1386.8	1614.8	1859.2
-50°	0.0	130.3	266.1	408.6	570.2	736.6	908.4	1097.1	1294.1	1510.4	1733.3
-52.5°	0.0	123.4	251.0	385.9	535.2	690.3	852.8	1022.8	1205.9	1402.4	1604.2
-55°	0.0	116.3	235.3	362.4	499.0	644.6	795.4	947.1	1118.1	1291.2	1480.7
-57.5°	0.0	108.9	219.2	338.2	461.7	598.0	736.2	878.1	1027.9	1186.9	1353.7
-60°	0.0	101.4	202.6	313.3	423.6	550.1	675.9	807.3	937.8	1083.0	1228.5
-62.5°	0.0	93.6	187.1	287.8	389.6	501.0	617.0	734.9	855.1	976.7	1110.6
-65°	0.0	85.7	171.2	261.7	354.9	450.8	557.0	662.0	770.7	879.1	990.5
-67.5°	0.0	77.6	155.0	235.1	319.4	403.2	495.7	590.7	684.8	782.7	879.1
-70°	0.0	69.3	138.6	208.0	283.3	358.1	433.4	518.2	602.0	684.8	770.7
-72.5°	0.0	61.0	121.8	182.5	246.7	312.4	377.6	444.6	518.2	590.7	662.0
-75°	0.0	52.5	104.9	157.0	209.6	266.1	322.1	377.6	433.4	495.7	557.0
-77.5°	0.0	43.9	87.7	131.3	174.7	219.3	266.1	312.4	358.1	403.2	450.8
-80°	0.0	35.2	70.3	105.4	140.2	174.7	209.6	246.7	283.3	319.4	354.9
-82.5°	0.0	26.5	52.9	79.2	105.4	131.3	157.0	182.5	208.0	235.1	261.7
-85°	0.0	17.7	35.3	52.9	70.3	87.7	104.9	121.8	138.6	155.0	171.2
-87.5°	0.0	8.8	17.7	26.5	35.2	43.9	52.5	61.0	69.3	77.6	85.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**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°	93.6	101.4	108.9	116.3	123.4	130.3	137.0	143.4	149.5	155.3	160.9
85°	187.1	202.6	219.2	235.3	251.0	266.1	280.7	294.8	308.2	321.0	333.2
82.5°	287.8	313.3	338.2	362.4	385.9	408.6	431.4	455.7	479.0	501.3	522.4
80°	389.6	423.6	461.7	499.0	535.2	570.2	604.0	636.5	667.6	698.2	728.0
77.5°	501.0	550.1	598.0	644.6	690.3	736.6	781.3	824.3	865.5	904.9	942.3
75°	617.0	675.9	736.2	795.4	852.8	908.4	963.3	1022.4	1079.2	1133.4	1184.9
72.5°	734.9	807.3	878.1	947.1	1022.8	1097.1	1169.0	1238.2	1309.4	1380.9	1448.8
70°	855.1	937.8	1027.9	1118.1	1205.9	1294.1	1386.8	1476.0	1561.7	1645.9	1730.5
67.5°	976.7	1083.0	1186.9	1291.2	1402.4	1510.4	1614.8	1723.7	1828.6	1928.9	2026.5
65°	1110.6	1228.5	1353.7	1480.7	1604.2	1733.3	1859.2	1980.8	2105.4	2226.1	2341.1
62.5°	1242.4	1385.2	1527.9	1671.6	1819.0	1962.2	2109.1	2253.5	2392.6	2535.7	2673.6
60°	1385.2	1543.7	1706.0	1870.8	2034.2	2202.7	2366.1	2533.9	2698.9	2857.9	3034.3
57.5°	1527.9	1706.0	1888.2	2071.7	2259.3	2444.8	2637.0	2823.1	3027.3	3228.4	3429.4
55°	1671.6	1870.8	2071.7	2278.3	2486.1	2699.4	2915.6	3150.0	3376.8	3633.9	3880.0
52.5°	1819.0	2034.2	2259.3	2486.1	2720.3	2964.8	3224.2	3494.6	3782.0	4070.6	4378.8
50°	1962.2	2202.7	2444.8	2699.4	2964.8	3249.0	3553.8	3871.7	4210.6	4555.3	4915.1
47.5°	2109.1	2366.1	2637.0	2915.6	3224.2	3553.8	3901.7	4281.2	4662.3	5081.2	5489.6
45°	2253.5	2533.9	2823.1	3150.0	3494.6	3871.7	4281.2	4698.1	5165.0	5625.0	6097.3
42.5°	2392.6	2698.9	3027.3	3376.8	3782.0	4210.6	4662.3	5165.0	5671.2	6191.1	6710.5
40°	2535.7	2857.9	3228.4	3633.9	4070.6	4555.3	5081.2	5625.0	6191.1	6761.3	7326.0
37.5°	2673.6	3034.3	3429.4	3880.0	4378.8	4915.1	5489.6	6097.3	6710.5	7326.0	7952.8
35°	2804.5	3202.0	3645.5	4135.3	4673.0	5280.0	5911.2	6558.9	7222.6	7897.1	8574.2
32.5°	2940.6	3360.6	3850.1	4393.5	4991.1	5635.9	6315.0	7017.6	7731.0	8452.6	9197.7
30°	3075.9	3534.3	4051.7	4636.6	5294.6	5991.1	6714.7	7457.7	8220.6	9011.6	9803.7
27.5°	3202.0	3698.4	4260.3	4889.2	5583.9	6324.2	7095.6	7888.4	8705.8	9543.9	10384.1
25°	3318.5	3850.1	4453.4	5132.0	5869.9	6647.6	7455.4	8290.4	9167.9	10053.4	10947.0
22.5°	3434.5	3989.5	4630.3	5354.7	6132.7	6950.0	7799.5	8683.6	9600.8	10527.1	11475.5
20°	3548.2	4135.3	4804.6	5559.8	6371.2	7224.8	8112.7	9045.8	10002.7	10978.0	11973.7
17.5°	3649.4	4265.3	4969.3	5755.2	6595.0	7476.8	8396.6	9371.1	10364.4	11384.7	12430.2
15°	3737.8	4378.8	5113.4	5926.4	6793.3	7704.0	8660.7	9664.4	10690.8	11748.5	12835.3
12.5°	3813.1	4475.6	5236.2	6072.5	6962.7	7898.4	8886.9	9917.1	10976.3	12070.5	13192.2
10°	3875.1	4555.3	5337.5	6193.0	7102.5	8058.9	9074.0	10126.3	11213.0	12338.1	13489.3
7.5°	3923.5	4617.6	5416.6	6287.2	7212.0	8184.8	9220.7	10290.6	11399.3	12548.9	13723.9
5°	3958.2	4662.3	5473.4	6354.9	7290.7	8275.2	9326.3	10408.9	11533.4	12700.9	13893.3
2.5°	3979.0	4689.1	5507.6	6395.6	7338.0	8329.6	9389.9	10480.2	11614.3	12792.7	13995.7
0°	3986.0	4698.1	5519.0	6409.2	7353.8	8347.8	9411.1	10504.0	11641.4	12823.4	14030.0
-2.5°	3979.0	4689.1	5507.6	6395.6	7338.0	8329.6	9389.9	10480.2	11614.3	12792.7	13995.7
-5°	3958.2	4662.3	5473.4	6354.9	7290.7	8275.2	9326.3	10408.9	11533.4	12700.9	13893.3
-7.5°	3923.5	4617.6	5416.6	6287.2	7212.0	8184.8	9220.7	10290.6	11399.3	12548.9	13723.9
-10°	3875.1	4555.3	5337.5	6193.0	7102.5	8058.9	9074.0	10126.3	11213.0	12338.1	13489.3
-12.5°	3813.1	4475.6	5236.2	6072.5	6962.7	7898.4	8886.9	9917.1	10976.3	12070.5	13192.2
-15°	3737.8	4378.8	5113.4	5926.4	6793.3	7704.0	8660.7	9664.4	10690.8	11748.5	12835.3
-17.5°	3649.4	4265.3	4969.3	5755.2	6595.0	7476.8	8396.6	9371.1	10364.4	11384.7	12430.2
-20°	3548.2	4135.3	4804.6	5559.8	6371.2	7224.8	8112.7	9045.8	10002.7	10978.0	11973.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3434.5	3989.5	4630.3	5354.7	6132.7	6950.0	7799.5	8683.6	9600.8	10527.1	11475.5
-25°	3318.5	3850.1	4453.4	5132.0	5869.9	6647.6	7455.4	8290.4	9167.9	10053.4	10947.0
-27.5°	3202.0	3698.4	4260.3	4889.2	5583.9	6324.2	7095.6	7888.4	8705.8	9543.9	10384.1
-30°	3075.9	3534.3	4051.7	4636.6	5294.6	5991.1	6714.7	7457.7	8220.6	9011.6	9803.7
-32.5°	2940.6	3360.6	3850.1	4393.5	4991.1	5635.9	6315.0	7017.6	7731.0	8452.6	9197.7
-35°	2804.5	3202.0	3645.5	4135.3	4673.0	5280.0	5911.2	6558.9	7222.6	7897.1	8574.2
-37.5°	2673.6	3034.3	3429.4	3880.0	4378.8	4915.1	5489.6	6097.3	6710.5	7326.0	7952.8
-40°	2535.7	2857.9	3228.4	3633.9	4070.6	4555.3	5081.2	5625.0	6191.1	6761.3	7326.0
-42.5°	2392.6	2698.9	3027.3	3376.8	3782.0	4210.6	4662.3	5165.0	5671.2	6191.1	6710.5
-45°	2253.5	2533.9	2823.1	3150.0	3494.6	3871.7	4281.2	4698.1	5165.0	5625.0	6097.3
-47.5°	2109.1	2366.1	2637.0	2915.6	3224.2	3553.8	3901.7	4281.2	4662.3	5081.2	5489.6
-50°	1962.2	2202.7	2444.8	2699.4	2964.8	3249.0	3553.8	3871.7	4210.6	4555.3	4915.1
-52.5°	1819.0	2034.2	2259.3	2486.1	2720.3	2964.8	3224.2	3494.6	3782.0	4070.6	4378.8
-55°	1671.6	1870.8	2071.7	2278.3	2486.1	2699.4	2915.6	3150.0	3376.8	3633.9	3880.0
-57.5°	1527.9	1706.0	1888.2	2071.7	2259.3	2444.8	2637.0	2823.1	3027.3	3228.4	3429.4
-60°	1385.2	1543.7	1706.0	1870.8	2034.2	2202.7	2366.1	2533.9	2698.9	2857.9	3034.3
-62.5°	1242.4	1385.2	1527.9	1671.6	1819.0	1962.2	2109.1	2253.5	2392.6	2535.7	2673.6
-65°	1110.6	1228.5	1353.7	1480.7	1604.2	1733.3	1859.2	1980.8	2105.4	2226.1	2341.1
-67.5°	976.7	1083.0	1186.9	1291.2	1402.4	1510.4	1614.8	1723.7	1828.6	1928.9	2026.5
-70°	855.1	937.8	1027.9	1118.1	1205.9	1294.1	1386.8	1476.0	1561.7	1645.9	1730.5
-72.5°	734.9	807.3	878.1	947.1	1022.8	1097.1	1169.0	1238.2	1309.4	1380.9	1448.8
-75°	617.0	675.9	736.2	795.4	852.8	908.4	963.3	1022.4	1079.2	1133.4	1184.9
-77.5°	501.0	550.1	598.0	644.6	690.3	736.6	781.3	824.3	865.5	904.9	942.3
-80°	389.6	423.6	461.7	499.0	535.2	570.2	604.0	636.5	667.6	698.2	728.0
-82.5°	287.8	313.3	338.2	362.4	385.9	408.6	431.4	455.7	479.0	501.3	522.4
-85°	187.1	202.6	219.2	235.3	251.0	266.1	280.7	294.8	308.2	321.0	333.2
-87.5°	93.6	101.4	108.9	116.3	123.4	130.3	137.0	143.4	149.5	155.3	160.9
-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: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**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°	166.1	171.0	175.6	179.9	183.8	187.4	190.6	193.4	195.9	198.0	199.7
85°	344.7	355.5	365.6	374.9	383.5	391.3	398.4	404.7	410.1	414.7	418.5
82.5°	542.4	561.1	578.6	594.9	609.8	623.5	635.7	646.6	656.1	664.1	670.7
80°	756.2	782.8	807.5	830.5	851.7	870.9	888.3	903.7	917.1	928.5	937.8
77.5°	981.0	1019.0	1054.6	1087.6	1118.0	1145.7	1170.7	1192.8	1212.1	1228.5	1242.0
75°	1233.6	1281.2	1329.6	1374.4	1415.7	1453.4	1487.3	1517.5	1543.7	1566.0	1584.4
72.5°	1513.2	1573.8	1631.6	1688.6	1741.2	1789.2	1832.4	1870.8	1904.3	1932.7	1956.1
70°	1810.6	1886.0	1956.7	2024.2	2089.5	2149.0	2202.7	2250.4	2292.0	2327.4	2356.4
67.5°	2124.1	2216.2	2302.4	2382.6	2460.7	2533.9	2600.0	2658.7	2709.9	2753.5	2789.4
65°	2453.7	2565.3	2669.9	2767.3	2857.9	2953.7	3040.2	3117.1	3184.3	3241.5	3288.5
62.5°	2804.5	2940.6	3075.9	3202.0	3318.5	3434.5	3548.2	3649.4	3737.8	3813.1	3875.1
60°	3202.0	3360.6	3534.3	3698.4	3850.1	3989.5	4135.3	4265.3	4378.8	4475.6	4555.3
57.5°	3645.5	3850.1	4051.7	4260.3	4453.4	4630.3	4804.6	4969.3	5113.4	5236.2	5337.5
55°	4135.3	4393.5	4636.6	4889.2	5132.0	5354.7	5559.8	5755.2	5926.4	6072.5	6193.0
52.5°	4673.0	4991.1	5294.6	5583.9	5869.9	6132.7	6371.2	6595.0	6793.3	6962.7	7102.5
50°	5280.0	5635.9	5991.1	6324.2	6647.6	6950.0	7224.8	7476.8	7704.0	7898.4	8058.9
47.5°	5911.2	6315.0	6714.7	7095.6	7455.4	7799.5	8112.7	8396.6	8660.7	8886.9	9074.0
45°	6558.9	7017.6	7457.7	7888.4	8290.4	8683.6	9045.8	9371.1	9664.4	9917.1	10126.3
42.5°	7222.6	7731.0	8220.6	8705.8	9167.9	9600.8	10002.7	10364.4	10690.8	10976.3	11213.0
40°	7897.1	8452.6	9011.6	9543.9	10053.4	10527.1	10978.0	11384.7	11748.5	12070.5	12338.1
37.5°	8574.2	9197.7	9803.7	10384.1	10947.0	11475.5	11973.7	12430.2	12835.3	13192.2	13489.3
35°	9260.1	9935.1	10588.9	11232.8	11847.8	12437.0	12983.4	13486.6	13934.2	14324.3	14650.7
32.5°	9935.1	10659.4	11377.4	12079.1	12753.0	13396.1	13992.6	14540.1	15029.1	15458.4	15821.7
30°	10588.9	11377.4	12156.9	12915.2	13648.8	14341.4	14988.0	15586.3	16127.5	16598.4	16990.7
27.5°	11232.8	12079.1	12915.2	13733.8	14518.9	15263.4	15972.4	16622.6	17203.0	17712.0	18135.2
25°	11847.8	12753.0	13648.8	14518.9	15358.1	16169.2	16925.3	17621.0	18243.0	18790.7	19250.5
22.5°	12437.0	13396.1	14341.4	15263.4	16169.2	17027.7	17833.0	18572.4	19242.1	19832.3	20328.0
20°	12983.4	13992.6	14988.0	15972.4	16925.3	17833.0	18684.1	19473.2	20192.4	20813.8	21342.7
17.5°	13486.6	14540.1	15586.3	16622.6	17621.0	18572.4	19473.2	20311.2	21065.6	21712.4	22266.0
15°	13934.2	15029.1	16127.5	17203.0	18243.0	19242.1	20192.4	21065.6	21839.2	22513.9	23072.0
12.5°	14324.3	15458.4	16598.4	17712.0	18790.7	19832.3	20813.8	21712.4	22513.9	23207.6	23763.7
10°	14650.7	15821.7	16990.7	18135.2	19250.5	20328.0	21342.7	22266.0	23072.0	23763.7	24338.6
7.5°	14908.8	16109.8	17303.0	18473.4	19618.3	20719.7	21748.4	22681.1	23505.0	24213.1	24801.3
5°	15095.7	16318.8	17530.1	18720.2	19887.8	21008.4	22049.8	22990.4	23818.8	24526.0	25096.3
2.5°	15208.7	16445.4	17668.0	18870.5	20052.5	21185.6	22235.8	23182.8	24016.4	24726.7	25291.2
0°	15246.6	16487.9	17714.3	18921.0	20107.9	21245.3	22298.7	23248.2	24084.0	24796.1	25359.9
-2.5°	15208.7	16445.4	17668.0	18870.5	20052.5	21185.6	22235.8	23182.8	24016.4	24726.7	25291.2
-5°	15095.7	16318.8	17530.1	18720.2	19887.8	21008.4	22049.8	22990.4	23818.8	24526.0	25096.3
-7.5°	14908.8	16109.8	17303.0	18473.4	19618.3	20719.7	21748.4	22681.1	23505.0	24213.1	24801.3
-10°	14650.7	15821.7	16990.7	18135.2	19250.5	20328.0	21342.7	22266.0	23072.0	23763.7	24338.6
-12.5°	14324.3	15458.4	16598.4	17712.0	18790.7	19832.3	20813.8	21712.4	22513.9	23207.6	23763.7
-15°	13934.2	15029.1	16127.5	17203.0	18243.0	19242.1	20192.4	21065.6	21839.2	22513.9	23072.0
-17.5°	13486.6	14540.1	15586.3	16622.6	17621.0	18572.4	19473.2	20311.2	21065.6	21712.4	22266.0
-20°	12983.4	13992.6	14988.0	15972.4	16925.3	17833.0	18684.1	19473.2	20192.4	20813.8	21342.7



REPORT NUMBER: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12437.0	13396.1	14341.4	15263.4	16169.2	17027.7	17833.0	18572.4	19242.1	19832.3	20328.0
-25°	11847.8	12753.0	13648.8	14518.9	15358.1	16169.2	16925.3	17621.0	18243.0	18790.7	19250.5
-27.5°	11232.8	12079.1	12915.2	13733.8	14518.9	15263.4	15972.4	16622.6	17203.0	17712.0	18135.2
-30°	10588.9	11377.4	12156.9	12915.2	13648.8	14341.4	14988.0	15586.3	16127.5	16598.4	16990.7
-32.5°	9935.1	10659.4	11377.4	12079.1	12753.0	13396.1	13992.6	14540.1	15029.1	15458.4	15821.7
-35°	9260.1	9935.1	10588.9	11232.8	11847.8	12437.0	12983.4	13486.6	13934.2	14324.3	14650.7
-37.5°	8574.2	9197.7	9803.7	10384.1	10947.0	11475.5	11973.7	12430.2	12835.3	13192.2	13489.3
-40°	7897.1	8452.6	9011.6	9543.9	10053.4	10527.1	10978.0	11384.7	11748.5	12070.5	12338.1
-42.5°	7222.6	7731.0	8220.6	8705.8	9167.9	9600.8	10002.7	10364.4	10690.8	10976.3	11213.0
-45°	6558.9	7017.6	7457.7	7888.4	8290.4	8683.6	9045.8	9371.1	9664.4	9917.1	10126.3
-47.5°	5911.2	6315.0	6714.7	7095.6	7455.4	7799.5	8112.7	8396.6	8660.7	8886.9	9074.0
-50°	5280.0	5635.9	5991.1	6324.2	6647.6	6950.0	7224.8	7476.8	7704.0	7898.4	8058.9
-52.5°	4673.0	4991.1	5294.6	5583.9	5869.9	6132.7	6371.2	6595.0	6793.3	6962.7	7102.5
-55°	4135.3	4393.5	4636.6	4889.2	5132.0	5354.7	5559.8	5755.2	5926.4	6072.5	6193.0
-57.5°	3645.5	3850.1	4051.7	4260.3	4453.4	4630.3	4804.6	4969.3	5113.4	5236.2	5337.5
-60°	3202.0	3360.6	3534.3	3698.4	3850.1	3989.5	4135.3	4265.3	4378.8	4475.6	4555.3
-62.5°	2804.5	2940.6	3075.9	3202.0	3318.5	3434.5	3548.2	3649.4	3737.8	3813.1	3875.1
-65°	2453.7	2565.3	2669.9	2767.3	2857.9	2953.7	3040.2	3117.1	3184.3	3241.5	3288.5
-67.5°	2124.1	2216.2	2302.4	2382.6	2460.7	2533.9	2600.0	2658.7	2709.9	2753.5	2789.4
-70°	1810.6	1886.0	1956.7	2024.2	2089.5	2149.0	2202.7	2250.4	2292.0	2327.4	2356.4
-72.5°	1513.2	1573.8	1631.6	1688.6	1741.2	1789.2	1832.4	1870.8	1904.3	1932.7	1956.1
-75°	1233.6	1281.2	1329.6	1374.4	1415.7	1453.4	1487.3	1517.5	1543.7	1566.0	1584.4
-77.5°	981.0	1019.0	1054.6	1087.6	1118.0	1145.7	1170.7	1192.8	1212.1	1228.5	1242.0
-80°	756.2	782.8	807.5	830.5	851.7	870.9	888.3	903.7	917.1	928.5	937.8
-82.5°	542.4	561.1	578.6	594.9	609.8	623.5	635.7	646.6	656.1	664.1	670.7
-85°	344.7	355.5	365.6	374.9	383.5	391.3	398.4	404.7	410.1	414.7	418.5
-87.5°	166.1	171.0	175.6	179.9	183.8	187.4	190.6	193.4	195.9	198.0	199.7
-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: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**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°	201.1	202.0	202.6	202.8	202.6	202.0	201.1	199.7	198.0	195.9	193.4
85°	421.5	423.6	424.9	425.3	424.9	423.6	421.5	418.5	414.7	410.1	404.7
82.5°	675.9	679.5	681.8	682.5	681.8	679.5	675.9	670.7	664.1	656.1	646.6
80°	945.1	950.3	953.5	954.5	953.5	950.3	945.1	937.8	928.5	917.1	903.7
77.5°	1252.5	1260.0	1264.5	1266.0	1264.5	1260.0	1252.5	1242.0	1228.5	1212.1	1192.8
75°	1598.7	1608.9	1615.0	1617.1	1615.0	1608.9	1598.7	1584.4	1566.0	1543.7	1517.5
72.5°	1974.4	1987.4	1995.3	1997.9	1995.3	1987.4	1974.4	1956.1	1932.7	1904.3	1870.8
70°	2379.1	2395.4	2405.1	2408.4	2405.1	2395.4	2379.1	2356.4	2327.4	2292.0	2250.4
67.5°	2817.4	2837.4	2849.5	2853.5	2849.5	2837.4	2817.4	2789.4	2753.5	2709.9	2658.7
65°	3325.3	3351.6	3367.4	3372.7	3367.4	3351.6	3325.3	3288.5	3241.5	3184.3	3117.1
62.5°	3923.5	3958.2	3979.0	3986.0	3979.0	3958.2	3923.5	3875.1	3813.1	3737.8	3649.4
60°	4617.6	4662.3	4689.1	4698.1	4689.1	4662.3	4617.6	4555.3	4475.6	4378.8	4265.3
57.5°	5416.6	5473.4	5507.6	5519.0	5507.6	5473.4	5416.6	5337.5	5236.2	5113.4	4969.3
55°	6287.2	6354.9	6395.6	6409.2	6395.6	6354.9	6287.2	6193.0	6072.5	5926.4	5755.2
52.5°	7212.0	7290.7	7338.0	7353.8	7338.0	7290.7	7212.0	7102.5	6962.7	6793.3	6595.0
50°	8184.8	8275.2	8329.6	8347.8	8329.6	8275.2	8184.8	8058.9	7898.4	7704.0	7476.8
47.5°	9220.7	9326.3	9389.9	9411.1	9389.9	9326.3	9220.7	9074.0	8886.9	8660.7	8396.6
45°	10290.6	10408.9	10480.2	10504.0	10480.2	10408.9	10290.6	10126.3	9917.1	9664.4	9371.1
42.5°	11399.3	11533.4	11614.3	11641.4	11614.3	11533.4	11399.3	11213.0	10976.3	10690.8	10364.4
40°	12548.9	12700.9	12792.7	12823.4	12792.7	12700.9	12548.9	12338.1	12070.5	11748.5	11384.7
37.5°	13723.9	13893.3	13995.7	14030.0	13995.7	13893.3	13723.9	13489.3	13192.2	12835.3	12430.2
35°	14908.8	15095.7	15208.7	15246.6	15208.7	15095.7	14908.8	14650.7	14324.3	13934.2	13486.6
32.5°	16109.8	16318.8	16445.4	16487.9	16445.4	16318.8	16109.8	15821.7	15458.4	15029.1	14540.1
30°	17303.0	17530.1	17668.0	17714.3	17668.0	17530.1	17303.0	16990.7	16598.4	16127.5	15586.3
27.5°	18473.4	18720.2	18870.5	18921.0	18870.5	18720.2	18473.4	18135.2	17712.0	17203.0	16622.6
25°	19618.3	19887.8	20052.5	20107.9	20052.5	19887.8	19618.3	19250.5	18790.7	18243.0	17621.0
22.5°	20719.7	21008.4	21185.6	21245.3	21185.6	21008.4	20719.7	20328.0	19832.3	19242.1	18572.4
20°	21748.4	22049.8	22235.8	22298.7	22235.8	22049.8	21748.4	21342.7	20813.8	20192.4	19473.2
17.5°	22681.1	22990.4	23182.8	23248.2	23182.8	22990.4	22681.1	22266.0	21712.4	21065.6	20311.2
15°	23505.0	23818.8	24016.4	24084.0	24016.4	23818.8	23505.0	23072.0	22513.9	21839.2	21065.6
12.5°	24213.1	24526.0	24726.7	24796.1	24726.7	24526.0	24213.1	23763.7	23207.6	22513.9	21712.4
10°	24801.3	25096.3	25291.2	25359.9	25291.2	25096.3	24801.3	24338.6	23763.7	23072.0	22266.0
7.5°	25226.5	25521.1	25700.0	25765.4	25700.0	25521.1	25226.5	24801.3	24213.1	23505.0	22681.1
5°	25521.1	25818.6	25999.8	26072.0	25999.8	25818.6	25521.1	25096.3	24526.0	23818.8	22990.4
2.5°	25700.0	25999.8	26196.6	26284.7	26196.6	25999.8	25700.0	25291.2	24726.7	24016.4	23182.8
0°	25765.4	26072.0	26284.7	26344.0	26284.7	26072.0	25765.4	25359.9	24796.1	24084.0	23248.2
-2.5°	25700.0	25999.8	26196.6	26284.7	26196.6	25999.8	25700.0	25291.2	24726.7	24016.4	23182.8
-5°	25521.1	25818.6	25999.8	26072.0	25999.8	25818.6	25521.1	25096.3	24526.0	23818.8	22990.4
-7.5°	25226.5	25521.1	25700.0	25765.4	25700.0	25521.1	25226.5	24801.3	24213.1	23505.0	22681.1
-10°	24801.3	25096.3	25291.2	25359.9	25291.2	25096.3	24801.3	24338.6	23763.7	23072.0	22266.0
-12.5°	24213.1	24526.0	24726.7	24796.1	24726.7	24526.0	24213.1	23763.7	23207.6	22513.9	21712.4
-15°	23505.0	23818.8	24016.4	24084.0	24016.4	23818.8	23505.0	23072.0	22513.9	21839.2	21065.6
-17.5°	22681.1	22990.4	23182.8	23248.2	23182.8	22990.4	22681.1	22266.0	21712.4	21065.6	20311.2
-20°	21748.4	22049.8	22235.8	22298.7	22235.8	22049.8	21748.4	21342.7	20813.8	20192.4	19473.2



REPORT NUMBER: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20719.7	21008.4	21185.6	21245.3	21185.6	21008.4	20719.7	20328.0	19832.3	19242.1	18572.4
-25°	19618.3	19887.8	20052.5	20107.9	20052.5	19887.8	19618.3	19250.5	18790.7	18243.0	17621.0
-27.5°	18473.4	18720.2	18870.5	18921.0	18870.5	18720.2	18473.4	18135.2	17712.0	17203.0	16622.6
-30°	17303.0	17530.1	17668.0	17714.3	17668.0	17530.1	17303.0	16990.7	16598.4	16127.5	15586.3
-32.5°	16109.8	16318.8	16445.4	16487.9	16445.4	16318.8	16109.8	15821.7	15458.4	15029.1	14540.1
-35°	14908.8	15095.7	15208.7	15246.6	15208.7	15095.7	14908.8	14650.7	14324.3	13934.2	13486.6
-37.5°	13723.9	13893.3	13995.7	14030.0	13995.7	13893.3	13723.9	13489.3	13192.2	12835.3	12430.2
-40°	12548.9	12700.9	12792.7	12823.4	12792.7	12700.9	12548.9	12338.1	12070.5	11748.5	11384.7
-42.5°	11399.3	11533.4	11614.3	11641.4	11614.3	11533.4	11399.3	11213.0	10976.3	10690.8	10364.4
-45°	10290.6	10408.9	10480.2	10504.0	10480.2	10408.9	10290.6	10126.3	9917.1	9664.4	9371.1
-47.5°	9220.7	9326.3	9389.9	9411.1	9389.9	9326.3	9220.7	9074.0	8886.9	8660.7	8396.6
-50°	8184.8	8275.2	8329.6	8347.8	8329.6	8275.2	8184.8	8058.9	7898.4	7704.0	7476.8
-52.5°	7212.0	7290.7	7338.0	7353.8	7338.0	7290.7	7212.0	7102.5	6962.7	6793.3	6595.0
-55°	6287.2	6354.9	6395.6	6409.2	6395.6	6354.9	6287.2	6193.0	6072.5	5926.4	5755.2
-57.5°	5416.6	5473.4	5507.6	5519.0	5507.6	5473.4	5416.6	5337.5	5236.2	5113.4	4969.3
-60°	4617.6	4662.3	4689.1	4698.1	4689.1	4662.3	4617.6	4555.3	4475.6	4378.8	4265.3
-62.5°	3923.5	3958.2	3979.0	3986.0	3979.0	3958.2	3923.5	3875.1	3813.1	3737.8	3649.4
-65°	3325.3	3351.6	3367.4	3372.7	3367.4	3351.6	3325.3	3288.5	3241.5	3184.3	3117.1
-67.5°	2817.4	2837.4	2849.5	2853.5	2849.5	2837.4	2817.4	2789.4	2753.5	2709.9	2658.7
-70°	2379.1	2395.4	2405.1	2408.4	2405.1	2395.4	2379.1	2356.4	2327.4	2292.0	2250.4
-72.5°	1974.4	1987.4	1995.3	1997.9	1995.3	1987.4	1974.4	1956.1	1932.7	1904.3	1870.8
-75°	1598.7	1608.9	1615.0	1617.1	1615.0	1608.9	1598.7	1584.4	1566.0	1543.7	1517.5
-77.5°	1252.5	1260.0	1264.5	1266.0	1264.5	1260.0	1252.5	1242.0	1228.5	1212.1	1192.8
-80°	945.1	950.3	953.5	954.5	953.5	950.3	945.1	937.8	928.5	917.1	903.7
-82.5°	675.9	679.5	681.8	682.5	681.8	679.5	675.9	670.7	664.1	656.1	646.6
-85°	421.5	423.6	424.9	425.3	424.9	423.6	421.5	418.5	414.7	410.1	404.7
-87.5°	201.1	202.0	202.6	202.8	202.6	202.0	201.1	199.7	198.0	195.9	193.4
-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: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**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°	190.6	187.4	183.8	179.9	175.6	171.0	166.1	160.9	155.3	149.5	143.4
85°	398.4	391.3	383.5	374.9	365.6	355.5	344.7	333.2	321.0	308.2	294.8
82.5°	635.7	623.5	609.8	594.9	578.6	561.1	542.4	522.4	501.3	479.0	455.7
80°	888.3	870.9	851.7	830.5	807.5	782.8	756.2	728.0	698.2	667.6	636.5
77.5°	1170.7	1145.7	1118.0	1087.6	1054.6	1019.0	981.0	942.3	904.9	865.5	824.3
75°	1487.3	1453.4	1415.7	1374.4	1329.6	1281.2	1233.6	1184.9	1133.4	1079.2	1022.4
72.5°	1832.4	1789.2	1741.2	1688.6	1631.6	1573.8	1513.2	1448.8	1380.9	1309.4	1238.2
70°	2202.7	2149.0	2089.5	2024.2	1956.7	1886.0	1810.6	1730.5	1645.9	1561.7	1476.0
67.5°	2600.0	2533.9	2460.7	2382.6	2302.4	2216.2	2124.1	2026.5	1928.9	1828.6	1723.7
65°	3040.2	2953.7	2857.9	2767.3	2669.9	2565.3	2453.7	2341.1	2226.1	2105.4	1980.8
62.5°	3548.2	3434.5	3318.5	3202.0	3075.9	2940.6	2804.5	2673.6	2535.7	2392.6	2253.5
60°	4135.3	3989.5	3850.1	3698.4	3534.3	3360.6	3202.0	3034.3	2857.9	2698.9	2533.9
57.5°	4804.6	4630.3	4453.4	4260.3	4051.7	3850.1	3645.5	3429.4	3228.4	3027.3	2823.1
55°	5559.8	5354.7	5132.0	4889.2	4636.6	4393.5	4135.3	3880.0	3633.9	3376.8	3150.0
52.5°	6371.2	6132.7	5869.9	5583.9	5294.6	4991.1	4673.0	4378.8	4070.6	3782.0	3494.6
50°	7224.8	6950.0	6647.6	6324.2	5991.1	5635.9	5280.0	4915.1	4555.3	4210.6	3871.7
47.5°	8112.7	7799.5	7455.4	7095.6	6714.7	6315.0	5911.2	5489.6	5081.2	4662.3	4281.2
45°	9045.8	8683.6	8290.4	7888.4	7457.7	7017.6	6558.9	6097.3	5625.0	5165.0	4698.1
42.5°	10002.7	9600.8	9167.9	8705.8	8220.6	7731.0	7222.6	6710.5	6191.1	5671.2	5165.0
40°	10978.0	10527.1	10053.4	9543.9	9011.6	8452.6	7897.1	7326.0	6761.3	6191.1	5625.0
37.5°	11973.7	11475.5	10947.0	10384.1	9803.7	9197.7	8574.2	7952.8	7326.0	6710.5	6097.3
35°	12983.4	12437.0	11847.8	11232.8	10588.9	9935.1	9260.1	8574.2	7897.1	7222.6	6558.9
32.5°	13992.6	13396.1	12753.0	12079.1	11377.4	10659.4	9935.1	9197.7	8452.6	7731.0	7017.6
30°	14988.0	14341.4	13648.8	12915.2	12156.9	11377.4	10588.9	9803.7	9011.6	8220.6	7457.7
27.5°	15972.4	15263.4	14518.9	13733.8	12915.2	12079.1	11232.8	10384.1	9543.9	8705.8	7888.4
25°	16925.3	16169.2	15358.1	14518.9	13648.8	12753.0	11847.8	10947.0	10053.4	9167.9	8290.4
22.5°	17833.0	17027.7	16169.2	15263.4	14341.4	13396.1	12437.0	11475.5	10527.1	9600.8	8683.6
20°	18684.1	17833.0	16925.3	15972.4	14988.0	13992.6	12983.4	11973.7	10978.0	10002.7	9045.8
17.5°	19473.2	18572.4	17621.0	16622.6	15586.3	14540.1	13486.6	12430.2	11384.7	10364.4	9371.1
15°	20192.4	19242.1	18243.0	17203.0	16127.5	15029.1	13934.2	12835.3	11748.5	10690.8	9664.4
12.5°	20813.8	19832.3	18790.7	17712.0	16598.4	15458.4	14324.3	13192.2	12070.5	10976.3	9917.1
10°	21342.7	20328.0	19250.5	18135.2	16990.7	15821.7	14650.7	13489.3	12338.1	11213.0	10126.3
7.5°	21748.4	20719.7	19618.3	18473.4	17303.0	16109.8	14908.8	13723.9	12548.9	11399.3	10290.6
5°	22049.8	21008.4	19887.8	18720.2	17530.1	16318.8	15095.7	13893.3	12700.9	11533.4	10408.9
2.5°	22235.8	21185.6	20052.5	18870.5	17668.0	16445.4	15208.7	13995.7	12792.7	11614.3	10480.2
0°	22298.7	21245.3	20107.9	18921.0	17714.3	16487.9	15246.6	14030.0	12823.4	11641.4	10504.0
-2.5°	22235.8	21185.6	20052.5	18870.5	17668.0	16445.4	15208.7	13995.7	12792.7	11614.3	10480.2
-5°	22049.8	21008.4	19887.8	18720.2	17530.1	16318.8	15095.7	13893.3	12700.9	11533.4	10408.9
-7.5°	21748.4	20719.7	19618.3	18473.4	17303.0	16109.8	14908.8	13723.9	12548.9	11399.3	10290.6
-10°	21342.7	20328.0	19250.5	18135.2	16990.7	15821.7	14650.7	13489.3	12338.1	11213.0	10126.3
-12.5°	20813.8	19832.3	18790.7	17712.0	16598.4	15458.4	14324.3	13192.2	12070.5	10976.3	9917.1
-15°	20192.4	19242.1	18243.0	17203.0	16127.5	15029.1	13934.2	12835.3	11748.5	10690.8	9664.4
-17.5°	19473.2	18572.4	17621.0	16622.6	15586.3	14540.1	13486.6	12430.2	11384.7	10364.4	9371.1
-20°	18684.1	17833.0	16925.3	15972.4	14988.0	13992.6	12983.4	11973.7	10978.0	10002.7	9045.8



REPORT NUMBER: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17833.0	17027.7	16169.2	15263.4	14341.4	13396.1	12437.0	11475.5	10527.1	9600.8	8683.6
-25°	16925.3	16169.2	15358.1	14518.9	13648.8	12753.0	11847.8	10947.0	10053.4	9167.9	8290.4
-27.5°	15972.4	15263.4	14518.9	13733.8	12915.2	12079.1	11232.8	10384.1	9543.9	8705.8	7888.4
-30°	14988.0	14341.4	13648.8	12915.2	12156.9	11377.4	10588.9	9803.7	9011.6	8220.6	7457.7
-32.5°	13992.6	13396.1	12753.0	12079.1	11377.4	10659.4	9935.1	9197.7	8452.6	7731.0	7017.6
-35°	12983.4	12437.0	11847.8	11232.8	10588.9	9935.1	9260.1	8574.2	7897.1	7222.6	6558.9
-37.5°	11973.7	11475.5	10947.0	10384.1	9803.7	9197.7	8574.2	7952.8	7326.0	6710.5	6097.3
-40°	10978.0	10527.1	10053.4	9543.9	9011.6	8452.6	7897.1	7326.0	6761.3	6191.1	5625.0
-42.5°	10002.7	9600.8	9167.9	8705.8	8220.6	7731.0	7222.6	6710.5	6191.1	5671.2	5165.0
-45°	9045.8	8683.6	8290.4	7888.4	7457.7	7017.6	6558.9	6097.3	5625.0	5165.0	4698.1
-47.5°	8112.7	7799.5	7455.4	7095.6	6714.7	6315.0	5911.2	5489.6	5081.2	4662.3	4281.2
-50°	7224.8	6950.0	6647.6	6324.2	5991.1	5635.9	5280.0	4915.1	4555.3	4210.6	3871.7
-52.5°	6371.2	6132.7	5869.9	5583.9	5294.6	4991.1	4673.0	4378.8	4070.6	3782.0	3494.6
-55°	5559.8	5354.7	5132.0	4889.2	4636.6	4393.5	4135.3	3880.0	3633.9	3376.8	3150.0
-57.5°	4804.6	4630.3	4453.4	4260.3	4051.7	3850.1	3645.5	3429.4	3228.4	3027.3	2823.1
-60°	4135.3	3989.5	3850.1	3698.4	3534.3	3360.6	3202.0	3034.3	2857.9	2698.9	2533.9
-62.5°	3548.2	3434.5	3318.5	3202.0	3075.9	2940.6	2804.5	2673.6	2535.7	2392.6	2253.5
-65°	3040.2	2953.7	2857.9	2767.3	2669.9	2565.3	2453.7	2341.1	2226.1	2105.4	1980.8
-67.5°	2600.0	2533.9	2460.7	2382.6	2302.4	2216.2	2124.1	2026.5	1928.9	1828.6	1723.7
-70°	2202.7	2149.0	2089.5	2024.2	1956.7	1886.0	1810.6	1730.5	1645.9	1561.7	1476.0
-72.5°	1832.4	1789.2	1741.2	1688.6	1631.6	1573.8	1513.2	1448.8	1380.9	1309.4	1238.2
-75°	1487.3	1453.4	1415.7	1374.4	1329.6	1281.2	1233.6	1184.9	1133.4	1079.2	1022.4
-77.5°	1170.7	1145.7	1118.0	1087.6	1054.6	1019.0	981.0	942.3	904.9	865.5	824.3
-80°	888.3	870.9	851.7	830.5	807.5	782.8	756.2	728.0	698.2	667.6	636.5
-82.5°	635.7	623.5	609.8	594.9	578.6	561.1	542.4	522.4	501.3	479.0	455.7
-85°	398.4	391.3	383.5	374.9	365.6	355.5	344.7	333.2	321.0	308.2	294.8
-87.5°	190.6	187.4	183.8	179.9	175.6	171.0	166.1	160.9	155.3	149.5	143.4
-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: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**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°	137.0	130.3	123.4	116.3	108.9	101.4	93.6	85.7	77.6	69.3	61.0
85°	280.7	266.1	251.0	235.3	219.2	202.6	187.1	171.2	155.0	138.6	121.8
82.5°	431.4	408.6	385.9	362.4	338.2	313.3	287.8	261.7	235.1	208.0	182.5
80°	604.0	570.2	535.2	499.0	461.7	423.6	389.6	354.9	319.4	283.3	246.7
77.5°	781.3	736.6	690.3	644.6	598.0	550.1	501.0	450.8	403.2	358.1	312.4
75°	963.3	908.4	852.8	795.4	736.2	675.9	617.0	557.0	495.7	433.4	377.6
72.5°	1169.0	1097.1	1022.8	947.1	878.1	807.3	734.9	662.0	590.7	518.2	444.6
70°	1386.8	1294.1	1205.9	1118.1	1027.9	937.8	855.1	770.7	684.8	602.0	518.2
67.5°	1614.8	1510.4	1402.4	1291.2	1186.9	1083.0	976.7	879.1	782.7	684.8	590.7
65°	1859.2	1733.3	1604.2	1480.7	1353.7	1228.5	1110.6	990.5	879.1	770.7	662.0
62.5°	2109.1	1962.2	1819.0	1671.6	1527.9	1385.2	1242.4	1110.6	976.7	855.1	734.9
60°	2366.1	2202.7	2034.2	1870.8	1706.0	1543.7	1385.2	1228.5	1083.0	937.8	807.3
57.5°	2637.0	2444.8	2259.3	2071.7	1888.2	1706.0	1527.9	1353.7	1186.9	1027.9	878.1
55°	2915.6	2699.4	2486.1	2278.3	2071.7	1870.8	1671.6	1480.7	1291.2	1118.1	947.1
52.5°	3224.2	2964.8	2720.3	2486.1	2259.3	2034.2	1819.0	1604.2	1402.4	1205.9	1022.8
50°	3553.8	3249.0	2964.8	2699.4	2444.8	2202.7	1962.2	1733.3	1510.4	1294.1	1097.1
47.5°	3901.7	3553.8	3224.2	2915.6	2637.0	2366.1	2109.1	1859.2	1614.8	1386.8	1169.0
45°	4281.2	3871.7	3494.6	3150.0	2823.1	2533.9	2253.5	1980.8	1723.7	1476.0	1238.2
42.5°	4662.3	4210.6	3782.0	3376.8	3027.3	2698.9	2392.6	2105.4	1828.6	1561.7	1309.4
40°	5081.2	4555.3	4070.6	3633.9	3228.4	2857.9	2535.7	2226.1	1928.9	1645.9	1380.9
37.5°	5489.6	4915.1	4378.8	3880.0	3429.4	3034.3	2673.6	2341.1	2026.5	1730.5	1448.8
35°	5911.2	5280.0	4673.0	4135.3	3645.5	3202.0	2804.5	2453.7	2124.1	1810.6	1513.2
32.5°	6315.0	5635.9	4991.1	4393.5	3850.1	3360.6	2940.6	2565.3	2216.2	1886.0	1573.8
30°	6714.7	5991.1	5294.6	4636.6	4051.7	3534.3	3075.9	2669.9	2302.4	1956.7	1631.6
27.5°	7095.6	6324.2	5583.9	4889.2	4260.3	3698.4	3202.0	2767.3	2382.6	2024.2	1688.6
25°	7455.4	6647.6	5869.9	5132.0	4453.4	3850.1	3318.5	2857.9	2460.7	2089.5	1741.2
22.5°	7799.5	6950.0	6132.7	5354.7	4630.3	3989.5	3434.5	2953.7	2533.9	2149.0	1789.2
20°	8112.7	7224.8	6371.2	5559.8	4804.6	4135.3	3548.2	3040.2	2600.0	2202.7	1832.4
17.5°	8396.6	7476.8	6595.0	5755.2	4969.3	4265.3	3649.4	3117.1	2658.7	2250.4	1870.8
15°	8660.7	7704.0	6793.3	5926.4	5113.4	4378.8	3737.8	3184.3	2709.9	2292.0	1904.3
12.5°	8886.9	7898.4	6962.7	6072.5	5236.2	4475.6	3813.1	3241.5	2753.5	2327.4	1932.7
10°	9074.0	8058.9	7102.5	6193.0	5337.5	4555.3	3875.1	3288.5	2789.4	2356.4	1956.1
7.5°	9220.7	8184.8	7212.0	6287.2	5416.6	4617.6	3923.5	3325.3	2817.4	2379.1	1974.4
5°	9326.3	8275.2	7290.7	6354.9	5473.4	4662.3	3958.2	3351.6	2837.4	2395.4	1987.4
2.5°	9389.9	8329.6	7338.0	6395.6	5507.6	4689.1	3979.0	3367.4	2849.5	2405.1	1995.3
0°	9411.1	8347.8	7353.8	6409.2	5519.0	4698.1	3986.0	3372.7	2853.5	2408.4	1997.9
-2.5°	9389.9	8329.6	7338.0	6395.6	5507.6	4689.1	3979.0	3367.4	2849.5	2405.1	1995.3
-5°	9326.3	8275.2	7290.7	6354.9	5473.4	4662.3	3958.2	3351.6	2837.4	2395.4	1987.4
-7.5°	9220.7	8184.8	7212.0	6287.2	5416.6	4617.6	3923.5	3325.3	2817.4	2379.1	1974.4
-10°	9074.0	8058.9	7102.5	6193.0	5337.5	4555.3	3875.1	3288.5	2789.4	2356.4	1956.1
-12.5°	8886.9	7898.4	6962.7	6072.5	5236.2	4475.6	3813.1	3241.5	2753.5	2327.4	1932.7
-15°	8660.7	7704.0	6793.3	5926.4	5113.4	4378.8	3737.8	3184.3	2709.9	2292.0	1904.3
-17.5°	8396.6	7476.8	6595.0	5755.2	4969.3	4265.3	3649.4	3117.1	2658.7	2250.4	1870.8
-20°	8112.7	7224.8	6371.2	5559.8	4804.6	4135.3	3548.2	3040.2	2600.0	2202.7	1832.4



REPORT NUMBER: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7799.5	6950.0	6132.7	5354.7	4630.3	3989.5	3434.5	2953.7	2533.9	2149.0	1789.2
-25°	7455.4	6647.6	5869.9	5132.0	4453.4	3850.1	3318.5	2857.9	2460.7	2089.5	1741.2
-27.5°	7095.6	6324.2	5583.9	4889.2	4260.3	3698.4	3202.0	2767.3	2382.6	2024.2	1688.6
-30°	6714.7	5991.1	5294.6	4636.6	4051.7	3534.3	3075.9	2669.9	2302.4	1956.7	1631.6
-32.5°	6315.0	5635.9	4991.1	4393.5	3850.1	3360.6	2940.6	2565.3	2216.2	1886.0	1573.8
-35°	5911.2	5280.0	4673.0	4135.3	3645.5	3202.0	2804.5	2453.7	2124.1	1810.6	1513.2
-37.5°	5489.6	4915.1	4378.8	3880.0	3429.4	3034.3	2673.6	2341.1	2026.5	1730.5	1448.8
-40°	5081.2	4555.3	4070.6	3633.9	3228.4	2857.9	2535.7	2226.1	1928.9	1645.9	1380.9
-42.5°	4662.3	4210.6	3782.0	3376.8	3027.3	2698.9	2392.6	2105.4	1828.6	1561.7	1309.4
-45°	4281.2	3871.7	3494.6	3150.0	2823.1	2533.9	2253.5	1980.8	1723.7	1476.0	1238.2
-47.5°	3901.7	3553.8	3224.2	2915.6	2637.0	2366.1	2109.1	1859.2	1614.8	1386.8	1169.0
-50°	3553.8	3249.0	2964.8	2699.4	2444.8	2202.7	1962.2	1733.3	1510.4	1294.1	1097.1
-52.5°	3224.2	2964.8	2720.3	2486.1	2259.3	2034.2	1819.0	1604.2	1402.4	1205.9	1022.8
-55°	2915.6	2699.4	2486.1	2278.3	2071.7	1870.8	1671.6	1480.7	1291.2	1118.1	947.1
-57.5°	2637.0	2444.8	2259.3	2071.7	1888.2	1706.0	1527.9	1353.7	1186.9	1027.9	878.1
-60°	2366.1	2202.7	2034.2	1870.8	1706.0	1543.7	1385.2	1228.5	1083.0	937.8	807.3
-62.5°	2109.1	1962.2	1819.0	1671.6	1527.9	1385.2	1242.4	1110.6	976.7	855.1	734.9
-65°	1859.2	1733.3	1604.2	1480.7	1353.7	1228.5	1110.6	990.5	879.1	770.7	662.0
-67.5°	1614.8	1510.4	1402.4	1291.2	1186.9	1083.0	976.7	879.1	782.7	684.8	590.7
-70°	1386.8	1294.1	1205.9	1118.1	1027.9	937.8	855.1	770.7	684.8	602.0	518.2
-72.5°	1169.0	1097.1	1022.8	947.1	878.1	807.3	734.9	662.0	590.7	518.2	444.6
-75°	963.3	908.4	852.8	795.4	736.2	675.9	617.0	557.0	495.7	433.4	377.6
-77.5°	781.3	736.6	690.3	644.6	598.0	550.1	501.0	450.8	403.2	358.1	312.4
-80°	604.0	570.2	535.2	499.0	461.7	423.6	389.6	354.9	319.4	283.3	246.7
-82.5°	431.4	408.6	385.9	362.4	338.2	313.3	287.8	261.7	235.1	208.0	182.5
-85°	280.7	266.1	251.0	235.3	219.2	202.6	187.1	171.2	155.0	138.6	121.8
-87.5°	137.0	130.3	123.4	116.3	108.9	101.4	93.6	85.7	77.6	69.3	61.0
-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: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**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°	52.5	43.9	35.2	26.5	17.7	8.8	0.0
85°	104.9	87.7	70.3	52.9	35.3	17.7	0.0
82.5°	157.0	131.3	105.4	79.2	52.9	26.5	0.0
80°	209.6	174.7	140.2	105.4	70.3	35.2	0.0
77.5°	266.1	219.3	174.7	131.3	87.7	43.9	0.0
75°	322.1	266.1	209.6	157.0	104.9	52.5	0.0
72.5°	377.6	312.4	246.7	182.5	121.8	61.0	0.0
70°	433.4	358.1	283.3	208.0	138.6	69.3	0.0
67.5°	495.7	403.2	319.4	235.1	155.0	77.6	0.0
65°	557.0	450.8	354.9	261.7	171.2	85.7	0.0
62.5°	617.0	501.0	389.6	287.8	187.1	93.6	0.0
60°	675.9	550.1	423.6	313.3	202.6	101.4	0.0
57.5°	736.2	598.0	461.7	338.2	219.2	108.9	0.0
55°	795.4	644.6	499.0	362.4	235.3	116.3	0.0
52.5°	852.8	690.3	535.2	385.9	251.0	123.4	0.0
50°	908.4	736.6	570.2	408.6	266.1	130.3	0.0
47.5°	963.3	781.3	604.0	431.4	280.7	137.0	0.0
45°	1022.4	824.3	636.5	455.7	294.8	143.4	0.0
42.5°	1079.2	865.5	667.6	479.0	308.2	149.5	0.0
40°	1133.4	904.9	698.2	501.3	321.0	155.3	0.0
37.5°	1184.9	942.3	728.0	522.4	333.2	160.9	0.0
35°	1233.6	981.0	756.2	542.4	344.7	166.1	0.0
32.5°	1281.2	1019.0	782.8	561.1	355.5	171.0	0.0
30°	1329.6	1054.6	807.5	578.6	365.6	175.6	0.0
27.5°	1374.4	1087.6	830.5	594.9	374.9	179.9	0.0
25°	1415.7	1118.0	851.7	609.8	383.5	183.8	0.0
22.5°	1453.4	1145.7	870.9	623.5	391.3	187.4	0.0
20°	1487.3	1170.7	888.3	635.7	398.4	190.6	0.0
17.5°	1517.5	1192.8	903.7	646.6	404.7	193.4	0.0
15°	1543.7	1212.1	917.1	656.1	410.1	195.9	0.0
12.5°	1566.0	1228.5	928.5	664.1	414.7	198.0	0.0
10°	1584.4	1242.0	937.8	670.7	418.5	199.7	0.0
7.5°	1598.7	1252.5	945.1	675.9	421.5	201.1	0.0
5°	1608.9	1260.0	950.3	679.5	423.6	202.0	0.0
2.5°	1615.0	1264.5	953.5	681.8	424.9	202.6	0.0
0°	1617.1	1266.0	954.5	682.5	425.3	202.8	0.0
-2.5°	1615.0	1264.5	953.5	681.8	424.9	202.6	0.0
-5°	1608.9	1260.0	950.3	679.5	423.6	202.0	0.0
-7.5°	1598.7	1252.5	945.1	675.9	421.5	201.1	0.0
-10°	1584.4	1242.0	937.8	670.7	418.5	199.7	0.0
-12.5°	1566.0	1228.5	928.5	664.1	414.7	198.0	0.0
-15°	1543.7	1212.1	917.1	656.1	410.1	195.9	0.0
-17.5°	1517.5	1192.8	903.7	646.6	404.7	193.4	0.0
-20°	1487.3	1170.7	888.3	635.7	398.4	190.6	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624803 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-77

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1453.4	1145.7	870.9	623.5	391.3	187.4	0.0
-25°	1415.7	1118.0	851.7	609.8	383.5	183.8	0.0
-27.5°	1374.4	1087.6	830.5	594.9	374.9	179.9	0.0
-30°	1329.6	1054.6	807.5	578.6	365.6	175.6	0.0
-32.5°	1281.2	1019.0	782.8	561.1	355.5	171.0	0.0
-35°	1233.6	981.0	756.2	542.4	344.7	166.1	0.0
-37.5°	1184.9	942.3	728.0	522.4	333.2	160.9	0.0
-40°	1133.4	904.9	698.2	501.3	321.0	155.3	0.0
-42.5°	1079.2	865.5	667.6	479.0	308.2	149.5	0.0
-45°	1022.4	824.3	636.5	455.7	294.8	143.4	0.0
-47.5°	963.3	781.3	604.0	431.4	280.7	137.0	0.0
-50°	908.4	736.6	570.2	408.6	266.1	130.3	0.0
-52.5°	852.8	690.3	535.2	385.9	251.0	123.4	0.0
-55°	795.4	644.6	499.0	362.4	235.3	116.3	0.0
-57.5°	736.2	598.0	461.7	338.2	219.2	108.9	0.0
-60°	675.9	550.1	423.6	313.3	202.6	101.4	0.0
-62.5°	617.0	501.0	389.6	287.8	187.1	93.6	0.0
-65°	557.0	450.8	354.9	261.7	171.2	85.7	0.0
-67.5°	495.7	403.2	319.4	235.1	155.0	77.6	0.0
-70°	433.4	358.1	283.3	208.0	138.6	69.3	0.0
-72.5°	377.6	312.4	246.7	182.5	121.8	61.0	0.0
-75°	322.1	266.1	209.6	157.0	104.9	52.5	0.0
-77.5°	266.1	219.3	174.7	131.3	87.7	43.9	0.0
-80°	209.6	174.7	140.2	105.4	70.3	35.2	0.0
-82.5°	157.0	131.3	105.4	79.2	52.9	26.5	0.0
-85°	104.9	87.7	70.3	52.9	35.3	17.7	0.0
-87.5°	52.5	43.9	35.2	26.5	17.7	8.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)