

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: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-4000K-55**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624752 (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-04-E-PRO-4000K-55  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 55 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30590.3 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 53.1°H x 49.5°V  
Beam Lumens: 20276.1 lumens  
Beam Efficiency: 66.3%

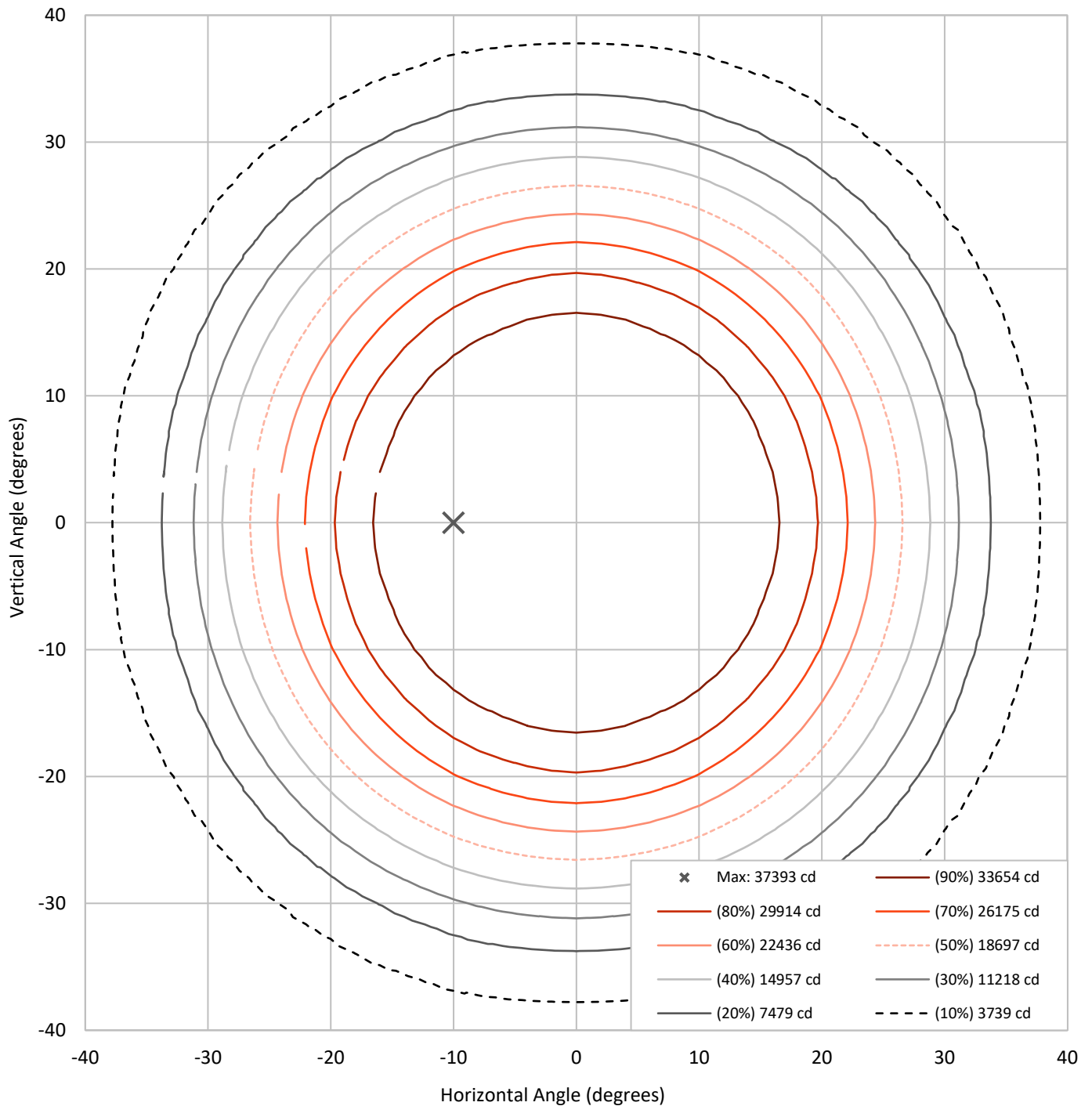
Field Angle (10%): 75.3°H x 73.6°V  
Field Lumens: 26365 lumens  
Field Efficiency: 86.2%

NEMA Type: 5H x 5V  
Max Intensity: 37393 candela  
Max Intensity Angle: -10°H x 0°V

Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

### Iso-Candela Plot





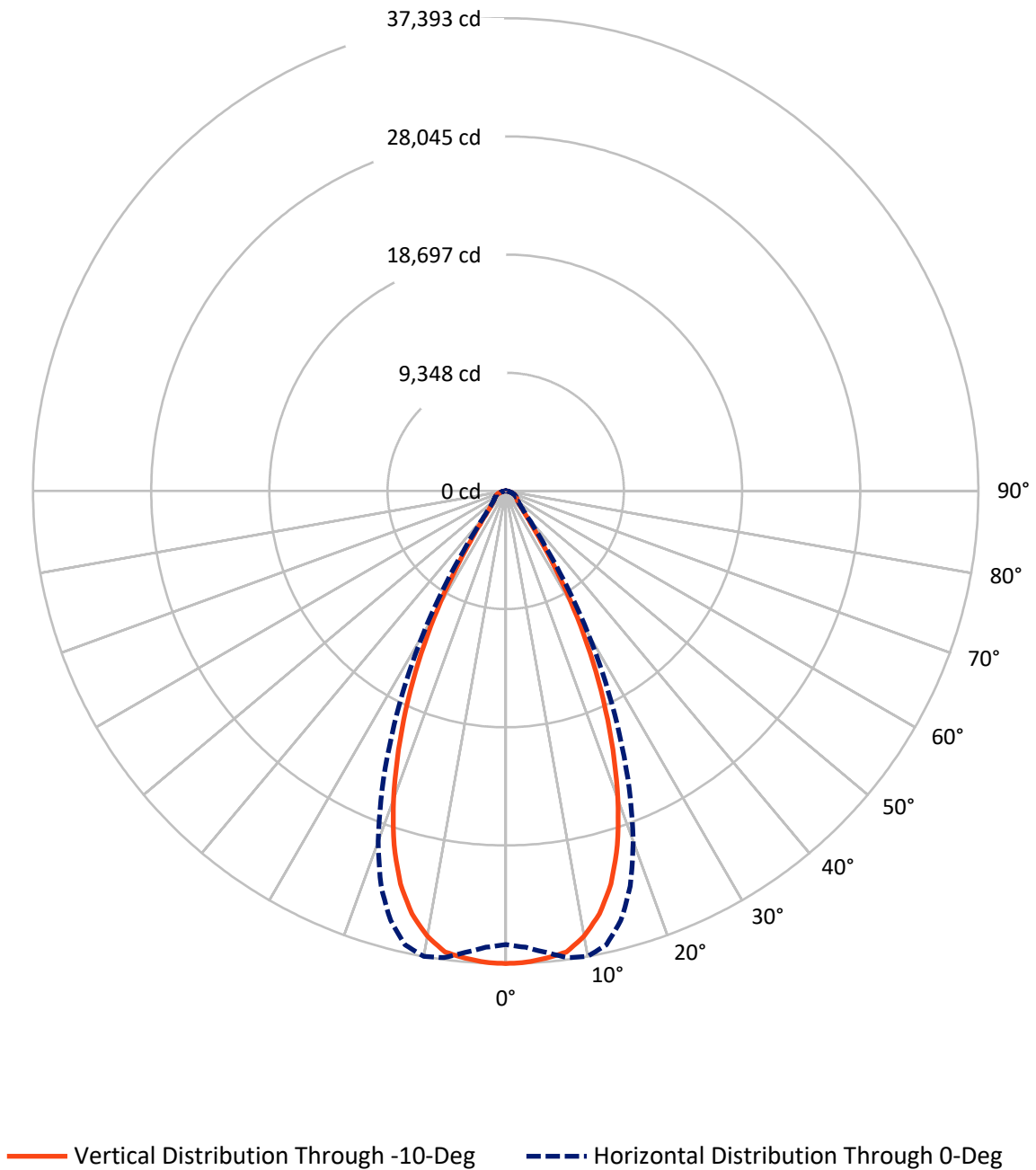
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### Lumen Table

90																			
80	0.9	6.7		17.5		28.2		32.6		28.2		17.5		6.7		0.9			
70																			
60	3.1	3.3	6.9	11.4	16.1	20.1	23.0	24.5	24.5	23.0	20.1	16.1	11.4	6.9	3.3	3.1			
50		5.1	10.6	16.8	22.5	27.4	31.1	33.2	33.2	31.1	27.4	22.5	16.8	10.6	5.1				
40	5.4	6.9	13.7	20.6	27.7	35.9	45.4	52.7	52.7	45.4	35.9	27.7	20.6	13.7	6.9	5.4			
30		8.4	15.8	23.9	36.3	64.6	126.3	190.0	190.0	126.3	64.6	36.3	23.9	15.8	8.4				
20	7.2	9.5	17.4	28.1	58.7	187.0	433.2	614.7	614.7	433.2	187.0	58.7	28.1	17.4	9.5	7.2			
10		10.2	18.6	33.5	108.3	408.0	798.1	1017.6	1017.6	798.1	408.0	108.3	33.5	18.6	10.2				
0	7.9	10.5	19.2	37.7	158.5	562.0	987.6	1120.1	1120.1	987.6	562.0	158.5	37.7	19.2	10.5	7.9			
-10		10.5	19.2	37.7	158.5	562.0	987.6	1120.1	1120.1	987.6	562.0	158.5	37.7	19.2	10.5				
-20	7.2	10.2	18.6	33.5	108.3	408.0	798.1	1017.6	1017.6	798.1	408.0	108.3	33.5	18.6	10.2	7.2			
-30		9.5	17.4	28.1	58.7	187.0	433.2	614.7	614.7	433.2	187.0	58.7	28.1	17.4	9.5				
-40	5.4	8.4	15.8	23.9	36.3	64.6	126.3	190.0	190.0	126.3	64.6	36.3	23.9	15.8	8.4	5.4			
-50		6.9	13.7	20.6	27.7	35.9	45.4	52.7	52.7	45.4	35.9	27.7	20.6	13.7	6.9				
-60	3.1	5.1	10.6	16.8	22.5	27.4	31.1	33.2	33.2	31.1	27.4	22.5	16.8	10.6	5.1	3.1			
-70		3.3	6.9	11.4	16.1	20.1	23.0	24.5	24.5	23.0	20.1	16.1	11.4	6.9	3.3				
-80																			
-90	0.9	6.7		17.5		28.2		32.6		28.2		17.5		6.7		0.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

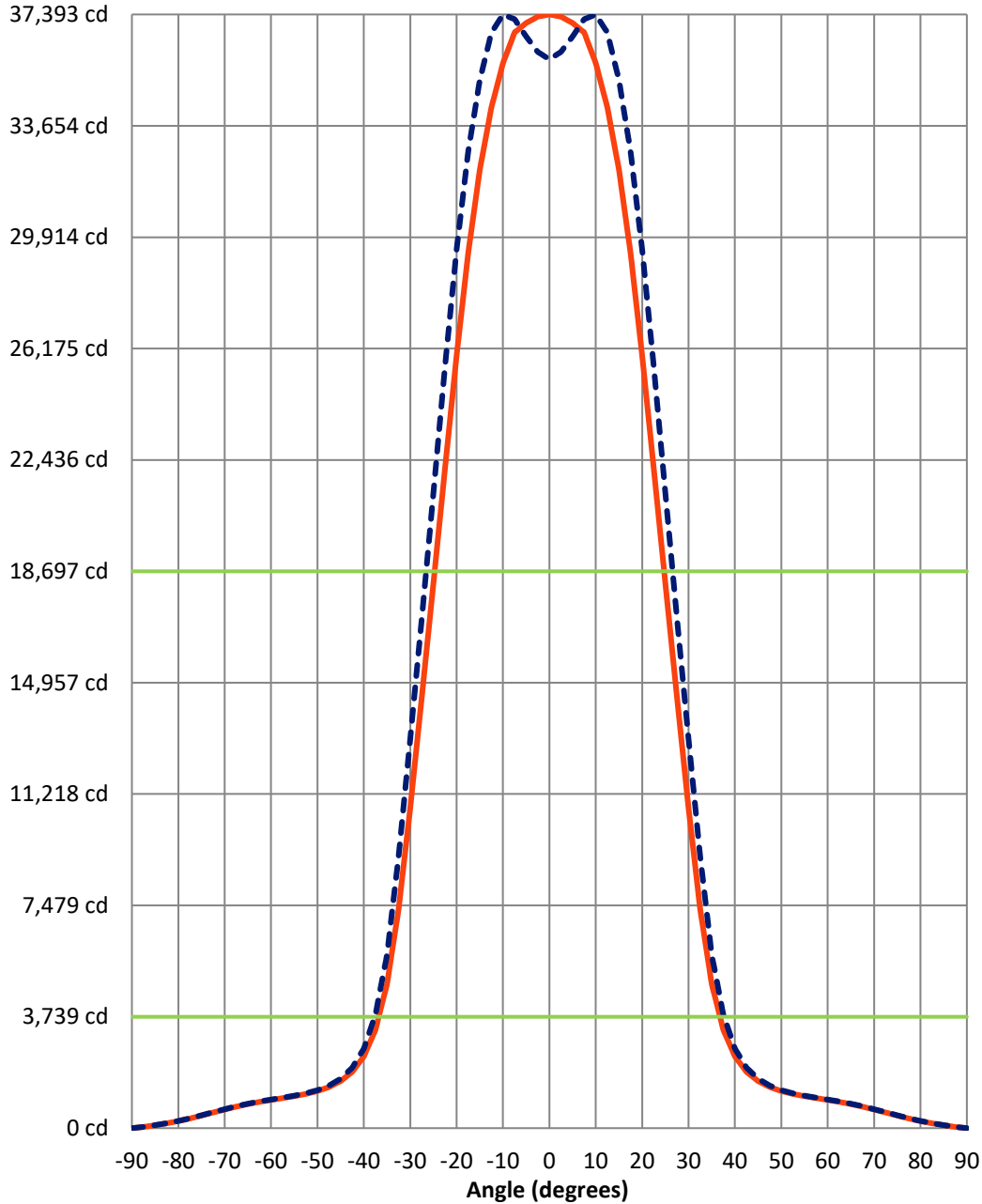
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.1°  
 V Angle: 49.5°  
 Lumens: 20276.1  
 Efficiency: 66.3%

**Field:**  
 H Angle: 75.3°  
 V Angle: 73.6°  
 Lumens: 26365  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 4225.3  
 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	1.8	3.6	5.4	7.2	8.9	10.7	12.4	14.1	15.8	17.4
85°	0.0	3.6	7.2	10.8	14.3	17.9	21.4	24.8	28.2	31.6	34.9
82.5°	0.0	5.4	10.8	16.1	21.5	26.7	32.0	37.2	42.7	50.1	57.3
80°	0.0	7.2	14.3	21.5	28.5	35.6	43.1	53.2	63.2	73.0	82.6
77.5°	0.0	8.9	17.9	26.7	35.6	45.8	58.5	71.1	83.5	95.7	108.0
75°	0.0	10.7	21.4	32.0	43.1	58.5	73.7	88.7	103.7	119.1	134.3
72.5°	0.0	12.4	24.8	37.2	53.2	71.1	88.7	106.5	124.7	142.6	160.2
70°	0.0	14.1	28.2	42.7	63.2	83.5	103.7	124.7	145.4	165.9	190.0
67.5°	0.0	15.8	31.6	50.1	73.0	95.7	119.1	142.6	165.9	193.4	220.5
65°	0.0	17.4	34.9	57.3	82.6	108.0	134.3	160.2	190.0	220.5	251.9
62.5°	0.0	19.1	38.1	64.4	92.0	120.4	149.1	180.0	213.7	247.9	286.2
60°	0.0	20.6	41.3	71.3	101.2	132.6	163.7	200.3	236.9	278.3	319.9
57.5°	0.0	22.2	45.7	78.1	110.7	144.4	180.4	220.2	262.6	308.0	356.0
55°	0.0	23.7	50.1	84.6	119.9	155.9	197.0	239.5	288.4	337.9	392.8
52.5°	0.0	25.1	54.4	91.0	128.9	167.5	213.1	261.1	313.4	370.1	428.6
50°	0.0	26.5	58.5	97.2	137.5	180.5	228.7	282.4	338.7	401.4	464.3
47.5°	0.0	27.9	62.5	103.2	145.9	193.0	244.1	302.9	365.6	431.6	499.0
45°	0.0	29.2	66.3	109.2	153.9	205.1	261.0	322.6	391.4	461.7	532.5
42.5°	0.0	30.4	69.9	115.0	161.6	216.6	277.2	343.2	416.3	490.5	563.0
40°	0.0	31.6	73.4	120.5	169.7	227.7	292.7	363.9	440.2	518.2	591.9
37.5°	0.0	32.8	76.7	125.7	178.1	238.2	307.4	383.6	463.5	544.1	619.5
35°	0.0	33.8	79.8	130.6	186.0	249.2	321.4	402.2	485.6	567.5	646.0
32.5°	0.0	34.8	82.7	135.3	193.4	260.0	335.0	419.7	506.4	589.6	671.6
30°	0.0	35.8	85.5	139.6	200.4	270.2	349.0	436.3	525.8	610.3	695.5
27.5°	0.0	36.6	88.0	143.6	206.8	279.6	362.0	452.0	543.5	629.5	717.7
25°	0.0	37.4	90.4	147.3	212.8	288.3	374.0	466.5	559.2	647.6	738.1
22.5°	0.0	38.2	92.5	150.7	218.2	296.2	384.9	479.7	573.5	664.4	753.4
20°	0.0	38.8	94.4	153.7	223.0	303.4	394.7	491.6	586.3	679.5	767.1
17.5°	0.0	39.4	96.1	156.4	227.3	309.7	403.4	502.2	597.8	692.9	779.4
15°	0.0	39.9	97.6	158.8	231.1	315.2	411.0	511.4	607.8	704.6	790.1
12.5°	0.0	40.3	98.8	160.8	234.3	319.9	417.5	519.3	616.3	714.6	799.2
10°	0.0	40.7	99.9	162.4	236.9	323.7	422.8	525.7	623.2	722.8	806.7
7.5°	0.0	40.9	100.7	163.7	239.0	326.7	427.0	530.7	628.7	729.1	812.5
5°	0.0	41.1	101.2	164.6	240.4	328.9	429.9	534.3	632.6	733.7	816.7
2.5°	0.0	41.3	101.6	165.1	241.3	330.2	431.7	536.5	634.9	736.5	819.3
0°	0.0	41.3	101.7	165.3	241.6	330.6	432.3	537.2	635.7	737.4	820.1
-2.5°	0.0	41.3	101.6	165.1	241.3	330.2	431.7	536.5	634.9	736.5	819.3
-5°	0.0	41.1	101.2	164.6	240.4	328.9	429.9	534.3	632.6	733.7	816.7
-7.5°	0.0	40.9	100.7	163.7	239.0	326.7	427.0	530.7	628.7	729.1	812.5
-10°	0.0	40.7	99.9	162.4	236.9	323.7	422.8	525.7	623.2	722.8	806.7
-12.5°	0.0	40.3	98.8	160.8	234.3	319.9	417.5	519.3	616.3	714.6	799.2
-15°	0.0	39.9	97.6	158.8	231.1	315.2	411.0	511.4	607.8	704.6	790.1
-17.5°	0.0	39.4	96.1	156.4	227.3	309.7	403.4	502.2	597.8	692.9	779.4
-20°	0.0	38.8	94.4	153.7	223.0	303.4	394.7	491.6	586.3	679.5	767.1

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CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	38.2	92.5	150.7	218.2	296.2	384.9	479.7	573.5	664.4	753.4
-25°	0.0	37.4	90.4	147.3	212.8	288.3	374.0	466.5	559.2	647.6	738.1
-27.5°	0.0	36.6	88.0	143.6	206.8	279.6	362.0	452.0	543.5	629.5	717.7
-30°	0.0	35.8	85.5	139.6	200.4	270.2	349.0	436.3	525.8	610.3	695.5
-32.5°	0.0	34.8	82.7	135.3	193.4	260.0	335.0	419.7	506.4	589.6	671.6
-35°	0.0	33.8	79.8	130.6	186.0	249.2	321.4	402.2	485.6	567.5	646.0
-37.5°	0.0	32.8	76.7	125.7	178.1	238.2	307.4	383.6	463.5	544.1	619.5
-40°	0.0	31.6	73.4	120.5	169.7	227.7	292.7	363.9	440.2	518.2	591.9
-42.5°	0.0	30.4	69.9	115.0	161.6	216.6	277.2	343.2	416.3	490.5	563.0
-45°	0.0	29.2	66.3	109.2	153.9	205.1	261.0	322.6	391.4	461.7	532.5
-47.5°	0.0	27.9	62.5	103.2	145.9	193.0	244.1	302.9	365.6	431.6	499.0
-50°	0.0	26.5	58.5	97.2	137.5	180.5	228.7	282.4	338.7	401.4	464.3
-52.5°	0.0	25.1	54.4	91.0	128.9	167.5	213.1	261.1	313.4	370.1	428.6
-55°	0.0	23.7	50.1	84.6	119.9	155.9	197.0	239.5	288.4	337.9	392.8
-57.5°	0.0	22.2	45.7	78.1	110.7	144.4	180.4	220.2	262.6	308.0	356.0
-60°	0.0	20.6	41.3	71.3	101.2	132.6	163.7	200.3	236.9	278.3	319.9
-62.5°	0.0	19.1	38.1	64.4	92.0	120.4	149.1	180.0	213.7	247.9	286.2
-65°	0.0	17.4	34.9	57.3	82.6	108.0	134.3	160.2	190.0	220.5	251.9
-67.5°	0.0	15.8	31.6	50.1	73.0	95.7	119.1	142.6	165.9	193.4	220.5
-70°	0.0	14.1	28.2	42.7	63.2	83.5	103.7	124.7	145.4	165.9	190.0
-72.5°	0.0	12.4	24.8	37.2	53.2	71.1	88.7	106.5	124.7	142.6	160.2
-75°	0.0	10.7	21.4	32.0	43.1	58.5	73.7	88.7	103.7	119.1	134.3
-77.5°	0.0	8.9	17.9	26.7	35.6	45.8	58.5	71.1	83.5	95.7	108.0
-80°	0.0	7.2	14.3	21.5	28.5	35.6	43.1	53.2	63.2	73.0	82.6
-82.5°	0.0	5.4	10.8	16.1	21.5	26.7	32.0	37.2	42.7	50.1	57.3
-85°	0.0	3.6	7.2	10.8	14.3	17.9	21.4	24.8	28.2	31.6	34.9
-87.5°	0.0	1.8	3.6	5.4	7.2	8.9	10.7	12.4	14.1	15.8	17.4
-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°	19.1	20.6	22.2	23.7	25.1	26.5	27.9	29.2	30.4	31.6	32.8
85°	38.1	41.3	45.7	50.1	54.4	58.5	62.5	66.3	69.9	73.4	76.7
82.5°	64.4	71.3	78.1	84.6	91.0	97.2	103.2	109.2	115.0	120.5	125.7
80°	92.0	101.2	110.7	119.9	128.9	137.5	145.9	153.9	161.6	169.7	178.1
77.5°	120.4	132.6	144.4	155.9	167.5	180.5	193.0	205.1	216.6	227.7	238.2
75°	149.1	163.7	180.4	197.0	213.1	228.7	244.1	261.0	277.2	292.7	307.4
72.5°	180.0	200.3	220.2	239.5	261.1	282.4	302.9	322.6	343.2	363.9	383.6
70°	213.7	236.9	262.6	288.4	313.4	338.7	365.6	391.4	416.3	440.2	463.5
67.5°	247.9	278.3	308.0	337.9	370.1	401.4	431.6	461.7	490.5	518.2	544.1
65°	286.2	319.9	356.0	392.8	428.6	464.3	499.0	532.5	563.0	591.9	619.5
62.5°	323.9	365.1	406.5	447.3	487.9	527.4	563.9	598.5	631.9	664.8	696.3
60°	365.1	411.0	456.8	502.2	545.9	586.3	625.6	664.4	702.1	738.1	766.2
57.5°	406.5	456.8	507.0	554.9	599.9	644.0	687.9	730.5	765.1	797.1	827.1
55°	447.3	502.2	554.9	604.5	653.5	702.2	747.3	784.6	820.6	852.6	883.2
52.5°	487.9	545.9	599.9	653.5	707.0	755.1	796.4	835.3	871.0	903.9	931.4
50°	527.4	586.3	644.0	702.2	755.1	800.4	842.6	882.2	916.4	947.2	976.7
47.5°	563.9	625.6	687.9	747.3	796.4	842.6	885.9	922.7	956.7	989.6	1021.2
45°	598.5	664.4	730.5	784.6	835.3	882.2	922.7	959.9	996.1	1031.5	1066.9
42.5°	631.9	702.1	765.1	820.6	871.0	916.4	956.7	996.1	1034.9	1073.9	1115.6
40°	664.8	738.1	797.1	852.6	903.9	947.2	989.6	1031.5	1073.9	1119.9	1167.4
37.5°	696.3	766.2	827.1	883.2	931.4	976.7	1021.2	1066.9	1115.6	1167.4	1232.9
35°	726.2	792.9	854.0	909.7	957.7	1005.0	1052.9	1102.9	1158.7	1227.0	1307.8
32.5°	751.3	818.2	879.5	932.7	982.6	1032.3	1083.2	1141.4	1209.5	1290.0	1399.1
30°	772.8	840.2	902.3	954.4	1006.1	1058.9	1116.0	1180.7	1261.2	1371.9	1512.6
27.5°	792.9	860.6	920.9	974.7	1028.4	1083.9	1148.0	1226.1	1327.1	1458.2	1634.1
25°	811.5	879.5	938.1	993.5	1049.8	1110.3	1180.4	1268.5	1394.8	1564.9	1804.1
22.5°	827.8	896.7	953.9	1010.8	1069.6	1135.8	1216.7	1323.8	1470.1	1666.7	1976.9
20°	841.9	909.7	968.2	1026.6	1087.4	1158.9	1249.8	1376.9	1554.3	1814.2	2211.6
17.5°	854.5	921.3	980.9	1041.2	1105.9	1182.7	1281.8	1424.5	1630.0	1947.2	2459.6
15°	865.5	931.4	992.1	1054.1	1122.6	1206.7	1320.4	1483.4	1720.3	2089.3	2684.4
12.5°	874.9	940.1	1001.6	1065.0	1136.8	1227.2	1353.6	1536.3	1813.6	2264.2	3021.9
10°	882.6	947.2	1009.4	1074.1	1148.6	1244.1	1381.0	1580.1	1891.0	2409.6	3303.0
7.5°	888.6	952.7	1015.6	1081.1	1157.8	1257.4	1402.5	1614.5	1951.9	2524.1	3524.8
5°	892.9	956.7	1020.0	1086.2	1164.4	1266.9	1418.0	1639.3	1995.8	2606.6	3685.0
2.5°	895.5	959.1	1022.6	1089.3	1168.4	1272.7	1427.3	1654.2	2022.3	2656.5	3781.9
0°	896.4	959.9	1023.5	1090.3	1169.7	1274.6	1430.4	1659.2	2031.1	2673.2	3814.3
-2.5°	895.5	959.1	1022.6	1089.3	1168.4	1272.7	1427.3	1654.2	2022.3	2656.5	3781.9
-5°	892.9	956.7	1020.0	1086.2	1164.4	1266.9	1418.0	1639.3	1995.8	2606.6	3685.0
-7.5°	888.6	952.7	1015.6	1081.1	1157.8	1257.4	1402.5	1614.5	1951.9	2524.1	3524.8
-10°	882.6	947.2	1009.4	1074.1	1148.6	1244.1	1381.0	1580.1	1891.0	2409.6	3303.0
-12.5°	874.9	940.1	1001.6	1065.0	1136.8	1227.2	1353.6	1536.3	1813.6	2264.2	3021.9
-15°	865.5	931.4	992.1	1054.1	1122.6	1206.7	1320.4	1483.4	1720.3	2089.3	2684.4
-17.5°	854.5	921.3	980.9	1041.2	1105.9	1182.7	1281.8	1424.5	1630.0	1947.2	2459.6
-20°	841.9	909.7	968.2	1026.6	1087.4	1158.9	1249.8	1376.9	1554.3	1814.2	2211.6

Classified

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

Scaled Data Report



REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	827.8	896.7	953.9	1010.8	1069.6	1135.8	1216.7	1323.8	1470.1	1666.7	1976.9
-25°	811.5	879.5	938.1	993.5	1049.8	1110.3	1180.4	1268.5	1394.8	1564.9	1804.1
-27.5°	792.9	860.6	920.9	974.7	1028.4	1083.9	1148.0	1226.1	1327.1	1458.2	1634.1
-30°	772.8	840.2	902.3	954.4	1006.1	1058.9	1116.0	1180.7	1261.2	1371.9	1512.6
-32.5°	751.3	818.2	879.5	932.7	982.6	1032.3	1083.2	1141.4	1209.5	1290.0	1399.1
-35°	726.2	792.9	854.0	909.7	957.7	1005.0	1052.9	1102.9	1158.7	1227.0	1307.8
-37.5°	696.3	766.2	827.1	883.2	931.4	976.7	1021.2	1066.9	1115.6	1167.4	1232.9
-40°	664.8	738.1	797.1	852.6	903.9	947.2	989.6	1031.5	1073.9	1119.9	1167.4
-42.5°	631.9	702.1	765.1	820.6	871.0	916.4	956.7	996.1	1034.9	1073.9	1115.6
-45°	598.5	664.4	730.5	784.6	835.3	882.2	922.7	959.9	996.1	1031.5	1066.9
-47.5°	563.9	625.6	687.9	747.3	796.4	842.6	885.9	922.7	956.7	989.6	1021.2
-50°	527.4	586.3	644.0	702.2	755.1	800.4	842.6	882.2	916.4	947.2	976.7
-52.5°	487.9	545.9	599.9	653.5	707.0	755.1	796.4	835.3	871.0	903.9	931.4
-55°	447.3	502.2	554.9	604.5	653.5	702.2	747.3	784.6	820.6	852.6	883.2
-57.5°	406.5	456.8	507.0	554.9	599.9	644.0	687.9	730.5	765.1	797.1	827.1
-60°	365.1	411.0	456.8	502.2	545.9	586.3	625.6	664.4	702.1	738.1	766.2
-62.5°	323.9	365.1	406.5	447.3	487.9	527.4	563.9	598.5	631.9	664.8	696.3
-65°	286.2	319.9	356.0	392.8	428.6	464.3	499.0	532.5	563.0	591.9	619.5
-67.5°	247.9	278.3	308.0	337.9	370.1	401.4	431.6	461.7	490.5	518.2	544.1
-70°	213.7	236.9	262.6	288.4	313.4	338.7	365.6	391.4	416.3	440.2	463.5
-72.5°	180.0	200.3	220.2	239.5	261.1	282.4	302.9	322.6	343.2	363.9	383.6
-75°	149.1	163.7	180.4	197.0	213.1	228.7	244.1	261.0	277.2	292.7	307.4
-77.5°	120.4	132.6	144.4	155.9	167.5	180.5	193.0	205.1	216.6	227.7	238.2
-80°	92.0	101.2	110.7	119.9	128.9	137.5	145.9	153.9	161.6	169.7	178.1
-82.5°	64.4	71.3	78.1	84.6	91.0	97.2	103.2	109.2	115.0	120.5	125.7
-85°	38.1	41.3	45.7	50.1	54.4	58.5	62.5	66.3	69.9	73.4	76.7
-87.5°	19.1	20.6	22.2	23.7	25.1	26.5	27.9	29.2	30.4	31.6	32.8
-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: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	33.8	34.8	35.8	36.6	37.4	38.2	38.8	39.4	39.9	40.3	40.7
85°	79.8	82.7	85.5	88.0	90.4	92.5	94.4	96.1	97.6	98.8	99.9
82.5°	130.6	135.3	139.6	143.6	147.3	150.7	153.7	156.4	158.8	160.8	162.4
80°	186.0	193.4	200.4	206.8	212.8	218.2	223.0	227.3	231.1	234.3	236.9
77.5°	249.2	260.0	270.2	279.6	288.3	296.2	303.4	309.7	315.2	319.9	323.7
75°	321.4	335.0	349.0	362.0	374.0	384.9	394.7	403.4	411.0	417.5	422.8
72.5°	402.2	419.7	436.3	452.0	466.5	479.7	491.6	502.2	511.4	519.3	525.7
70°	485.6	506.4	525.8	543.5	559.2	573.5	586.3	597.8	607.8	616.3	623.2
67.5°	567.5	589.6	610.3	629.5	647.6	664.4	679.5	692.9	704.6	714.6	722.8
65°	646.0	671.6	695.5	717.7	738.1	753.4	767.1	779.4	790.1	799.2	806.7
62.5°	726.2	751.3	772.8	792.9	811.5	827.8	841.9	854.5	865.5	874.9	882.6
60°	792.9	818.2	840.2	860.6	879.5	896.7	909.7	921.3	931.4	940.1	947.2
57.5°	854.0	879.5	902.3	920.9	938.1	953.9	968.2	980.9	992.1	1001.6	1009.4
55°	909.7	932.7	954.4	974.7	993.5	1010.8	1026.6	1041.2	1054.1	1065.0	1074.1
52.5°	957.7	982.6	1006.1	1028.4	1049.8	1069.6	1087.4	1105.9	1122.6	1136.8	1148.6
50°	1005.0	1032.3	1058.9	1083.9	1110.3	1135.8	1158.9	1182.7	1206.7	1227.2	1244.1
47.5°	1052.9	1083.2	1116.0	1148.0	1180.4	1216.7	1249.8	1281.8	1320.4	1353.6	1381.0
45°	1102.9	1141.4	1180.7	1226.1	1268.5	1323.8	1376.9	1424.5	1483.4	1536.3	1580.1
42.5°	1158.7	1209.5	1261.2	1327.1	1394.8	1470.1	1554.3	1630.0	1720.3	1813.6	1891.0
40°	1227.0	1290.0	1371.9	1458.2	1564.9	1666.7	1814.2	1947.2	2089.3	2264.2	2409.6
37.5°	1307.8	1399.1	1512.6	1634.1	1804.1	1976.9	2211.6	2459.6	2684.4	3021.9	3303.0
35°	1408.3	1540.1	1687.0	1897.5	2143.2	2463.3	2824.5	3300.4	3723.7	4301.8	4842.4
32.5°	1540.1	1710.0	1944.8	2268.9	2635.0	3214.8	3778.9	4659.2	5469.3	6393.6	7361.0
30°	1687.0	1944.8	2311.2	2760.0	3453.8	4330.2	5401.2	6734.3	8175.4	9489.3	10746.1
27.5°	1897.5	2268.9	2760.0	3534.2	4624.1	5874.3	7762.5	9566.9	11426.0	13056.7	14481.1
25°	2143.2	2635.0	3453.8	4624.1	6126.4	8286.5	10536.5	12765.2	14844.0	16687.5	18292.9
22.5°	2463.3	3214.8	4330.2	5874.3	8286.5	10864.4	13463.5	15952.6	18263.0	20352.8	22150.1
20°	2824.5	3778.9	5401.2	7762.5	10536.5	13463.5	16328.6	19081.3	21644.0	23963.8	25938.1
17.5°	3300.4	4659.2	6734.3	9566.9	12765.2	15952.6	19081.3	22087.4	24904.2	27315.6	29378.6
15°	3723.7	5469.3	8175.4	11426.0	14844.0	18263.0	21644.0	24904.2	27788.1	30245.6	32177.4
12.5°	4301.8	6393.6	9489.3	13056.7	16687.5	20352.8	23963.8	27315.6	30245.6	32646.6	34267.5
10°	4842.4	7361.0	10746.1	14481.1	18292.9	22150.1	25938.1	29378.6	32177.4	34267.5	35756.5
7.5°	5270.0	8128.4	11746.5	15619.6	19594.9	23612.5	27449.9	30824.3	33524.5	35475.9	36785.1
5°	5579.5	8684.9	12473.9	16450.4	20549.3	24690.6	28573.1	31894.9	34425.6	36175.6	37106.1
2.5°	5766.8	9022.2	12915.8	16956.4	21132.3	25352.0	29266.2	32560.9	34993.0	36624.3	37318.2
0°	5829.5	9135.3	13064.0	17126.3	21328.4	25575.0	29500.6	32787.2	35187.1	36779.5	37393.0
-2.5°	5766.8	9022.2	12915.8	16956.4	21132.3	25352.0	29266.2	32560.9	34993.0	36624.3	37318.2
-5°	5579.5	8684.9	12473.9	16450.4	20549.3	24690.6	28573.1	31894.9	34425.6	36175.6	37106.1
-7.5°	5270.0	8128.4	11746.5	15619.6	19594.9	23612.5	27449.9	30824.3	33524.5	35475.9	36785.1
-10°	4842.4	7361.0	10746.1	14481.1	18292.9	22150.1	25938.1	29378.6	32177.4	34267.5	35756.5
-12.5°	4301.8	6393.6	9489.3	13056.7	16687.5	20352.8	23963.8	27315.6	30245.6	32646.6	34267.5
-15°	3723.7	5469.3	8175.4	11426.0	14844.0	18263.0	21644.0	24904.2	27788.1	30245.6	32177.4
-17.5°	3300.4	4659.2	6734.3	9566.9	12765.2	15952.6	19081.3	22087.4	24904.2	27315.6	29378.6
-20°	2824.5	3778.9	5401.2	7762.5	10536.5	13463.5	16328.6	19081.3	21644.0	23963.8	25938.1



REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2463.3	3214.8	4330.2	5874.3	8286.5	10864.4	13463.5	15952.6	18263.0	20352.8	22150.1
-25°	2143.2	2635.0	3453.8	4624.1	6126.4	8286.5	10536.5	12765.2	14844.0	16687.5	18292.9
-27.5°	1897.5	2268.9	2760.0	3534.2	4624.1	5874.3	7762.5	9566.9	11426.0	13056.7	14481.1
-30°	1687.0	1944.8	2311.2	2760.0	3453.8	4330.2	5401.2	6734.3	8175.4	9489.3	10746.1
-32.5°	1540.1	1710.0	1944.8	2268.9	2635.0	3214.8	3778.9	4659.2	5469.3	6393.6	7361.0
-35°	1408.3	1540.1	1687.0	1897.5	2143.2	2463.3	2824.5	3300.4	3723.7	4301.8	4842.4
-37.5°	1307.8	1399.1	1512.6	1634.1	1804.1	1976.9	2211.6	2459.6	2684.4	3021.9	3303.0
-40°	1227.0	1290.0	1371.9	1458.2	1564.9	1666.7	1814.2	1947.2	2089.3	2264.2	2409.6
-42.5°	1158.7	1209.5	1261.2	1327.1	1394.8	1470.1	1554.3	1630.0	1720.3	1813.6	1891.0
-45°	1102.9	1141.4	1180.7	1226.1	1268.5	1323.8	1376.9	1424.5	1483.4	1536.3	1580.1
-47.5°	1052.9	1083.2	1116.0	1148.0	1180.4	1216.7	1249.8	1281.8	1320.4	1353.6	1381.0
-50°	1005.0	1032.3	1058.9	1083.9	1110.3	1135.8	1158.9	1182.7	1206.7	1227.2	1244.1
-52.5°	957.7	982.6	1006.1	1028.4	1049.8	1069.6	1087.4	1105.9	1122.6	1136.8	1148.6
-55°	909.7	932.7	954.4	974.7	993.5	1010.8	1026.6	1041.2	1054.1	1065.0	1074.1
-57.5°	854.0	879.5	902.3	920.9	938.1	953.9	968.2	980.9	992.1	1001.6	1009.4
-60°	792.9	818.2	840.2	860.6	879.5	896.7	909.7	921.3	931.4	940.1	947.2
-62.5°	726.2	751.3	772.8	792.9	811.5	827.8	841.9	854.5	865.5	874.9	882.6
-65°	646.0	671.6	695.5	717.7	738.1	753.4	767.1	779.4	790.1	799.2	806.7
-67.5°	567.5	589.6	610.3	629.5	647.6	664.4	679.5	692.9	704.6	714.6	722.8
-70°	485.6	506.4	525.8	543.5	559.2	573.5	586.3	597.8	607.8	616.3	623.2
-72.5°	402.2	419.7	436.3	452.0	466.5	479.7	491.6	502.2	511.4	519.3	525.7
-75°	321.4	335.0	349.0	362.0	374.0	384.9	394.7	403.4	411.0	417.5	422.8
-77.5°	249.2	260.0	270.2	279.6	288.3	296.2	303.4	309.7	315.2	319.9	323.7
-80°	186.0	193.4	200.4	206.8	212.8	218.2	223.0	227.3	231.1	234.3	236.9
-82.5°	130.6	135.3	139.6	143.6	147.3	150.7	153.7	156.4	158.8	160.8	162.4
-85°	79.8	82.7	85.5	88.0	90.4	92.5	94.4	96.1	97.6	98.8	99.9
-87.5°	33.8	34.8	35.8	36.6	37.4	38.2	38.8	39.4	39.9	40.3	40.7
-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: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	40.9	41.1	41.3	41.3	41.3	41.1	40.9	40.7	40.3	39.9	39.4
85°	100.7	101.2	101.6	101.7	101.6	101.2	100.7	99.9	98.8	97.6	96.1
82.5°	163.7	164.6	165.1	165.3	165.1	164.6	163.7	162.4	160.8	158.8	156.4
80°	239.0	240.4	241.3	241.6	241.3	240.4	239.0	236.9	234.3	231.1	227.3
77.5°	326.7	328.9	330.2	330.6	330.2	328.9	326.7	323.7	319.9	315.2	309.7
75°	427.0	429.9	431.7	432.3	431.7	429.9	427.0	422.8	417.5	411.0	403.4
72.5°	530.7	534.3	536.5	537.2	536.5	534.3	530.7	525.7	519.3	511.4	502.2
70°	628.7	632.6	634.9	635.7	634.9	632.6	628.7	623.2	616.3	607.8	597.8
67.5°	729.1	733.7	736.5	737.4	736.5	733.7	729.1	722.8	714.6	704.6	692.9
65°	812.5	816.7	819.3	820.1	819.3	816.7	812.5	806.7	799.2	790.1	779.4
62.5°	888.6	892.9	895.5	896.4	895.5	892.9	888.6	882.6	874.9	865.5	854.5
60°	952.7	956.7	959.1	959.9	959.1	956.7	952.7	947.2	940.1	931.4	921.3
57.5°	1015.6	1020.0	1022.6	1023.5	1022.6	1020.0	1015.6	1009.4	1001.6	992.1	980.9
55°	1081.1	1086.2	1089.3	1090.3	1089.3	1086.2	1081.1	1074.1	1065.0	1054.1	1041.2
52.5°	1157.8	1164.4	1168.4	1169.7	1168.4	1164.4	1157.8	1148.6	1136.8	1122.6	1105.9
50°	1257.4	1266.9	1272.7	1274.6	1272.7	1266.9	1257.4	1244.1	1227.2	1206.7	1182.7
47.5°	1402.5	1418.0	1427.3	1430.4	1427.3	1418.0	1402.5	1381.0	1353.6	1320.4	1281.8
45°	1614.5	1639.3	1654.2	1659.2	1654.2	1639.3	1614.5	1580.1	1536.3	1483.4	1424.5
42.5°	1951.9	1995.8	2022.3	2031.1	2022.3	1995.8	1951.9	1891.0	1813.6	1720.3	1630.0
40°	2524.1	2606.6	2656.5	2673.2	2656.5	2606.6	2524.1	2409.6	2264.2	2089.3	1947.2
37.5°	3524.8	3685.0	3781.9	3814.3	3781.9	3685.0	3524.8	3303.0	3021.9	2684.4	2459.6
35°	5270.0	5579.5	5766.8	5829.5	5766.8	5579.5	5270.0	4842.4	4301.8	3723.7	3300.4
32.5°	8128.4	8684.9	9022.2	9135.3	9022.2	8684.9	8128.4	7361.0	6393.6	5469.3	4659.2
30°	11746.5	12473.9	12915.8	13064.0	12915.8	12473.9	11746.5	10746.1	9489.3	8175.4	6734.3
27.5°	15619.6	16450.4	16956.4	17126.3	16956.4	16450.4	15619.6	14481.1	13056.7	11426.0	9566.9
25°	19594.9	20549.3	21132.3	21328.4	21132.3	20549.3	19594.9	18292.9	16687.5	14844.0	12765.2
22.5°	23612.5	24690.6	25352.0	25575.0	25352.0	24690.6	23612.5	22150.1	20352.8	18263.0	15952.6
20°	27449.9	28573.1	29266.2	29500.6	29266.2	28573.1	27449.9	25938.1	23963.8	21644.0	19081.3
17.5°	30824.3	31894.9	32560.9	32787.2	32560.9	31894.9	30824.3	29378.6	27315.6	24904.2	22087.4
15°	33524.5	34425.6	34993.0	35187.1	34993.0	34425.6	33524.5	32177.4	30245.6	27788.1	24904.2
12.5°	35475.9	36175.6	36624.3	36779.5	36624.3	36175.6	35475.9	34267.5	32646.6	30245.6	27315.6
10°	36785.1	37106.1	37318.2	37393.0	37318.2	37106.1	36785.1	35756.5	34267.5	32177.4	29378.6
7.5°	37247.9	37328.5	37257.1	37230.9	37257.1	37328.5	37247.9	36785.1	35475.9	33524.5	30824.3
5°	37328.5	37130.6	36788.6	36652.4	36788.6	37130.6	37328.5	37106.1	36175.6	34425.6	31894.9
2.5°	37257.1	36788.6	36350.7	36137.5	36350.7	36788.6	37257.1	37318.2	36624.3	34993.0	32560.9
0°	<b>37230.9</b>	<b>36652.4</b>	<b>36137.5</b>	<b>35883.2</b>	<b>36137.5</b>	<b>36652.4</b>	<b>37230.9</b>	<b>37393.0</b>	<b>36779.5</b>	<b>35187.1</b>	<b>32787.2</b>
-2.5°	37257.1	36788.6	36350.7	36137.5	36350.7	36788.6	37257.1	37318.2	36624.3	34993.0	32560.9
-5°	37328.5	37130.6	36788.6	36652.4	36788.6	37130.6	37328.5	37106.1	36175.6	34425.6	31894.9
-7.5°	37247.9	37328.5	37257.1	37230.9	37257.1	37328.5	37247.9	36785.1	35475.9	33524.5	30824.3
-10°	36785.1	37106.1	37318.2	37393.0	37318.2	37106.1	36785.1	35756.5	34267.5	32177.4	29378.6
-12.5°	35475.9	36175.6	36624.3	36779.5	36624.3	36175.6	35475.9	34267.5	32646.6	30245.6	27315.6
-15°	33524.5	34425.6	34993.0	35187.1	34993.0	34425.6	33524.5	32177.4	30245.6	27788.1	24904.2
-17.5°	30824.3	31894.9	32560.9	32787.2	32560.9	31894.9	30824.3	29378.6	27315.6	24904.2	22087.4
-20°	27449.9	28573.1	29266.2	29500.6	29266.2	28573.1	27449.9	25938.1	23963.8	21644.0	19081.3



REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23612.5	24690.6	25352.0	25575.0	25352.0	24690.6	23612.5	22150.1	20352.8	18263.0	15952.6
-25°	19594.9	20549.3	21132.3	21328.4	21132.3	20549.3	19594.9	18292.9	16687.5	14844.0	12765.2
-27.5°	15619.6	16450.4	16956.4	17126.3	16956.4	16450.4	15619.6	14481.1	13056.7	11426.0	9566.9
-30°	11746.5	12473.9	12915.8	13064.0	12915.8	12473.9	11746.5	10746.1	9489.3	8175.4	6734.3
-32.5°	8128.4	8684.9	9022.2	9135.3	9022.2	8684.9	8128.4	7361.0	6393.6	5469.3	4659.2
-35°	5270.0	5579.5	5766.8	5829.5	5766.8	5579.5	5270.0	4842.4	4301.8	3723.7	3300.4
-37.5°	3524.8	3685.0	3781.9	3814.3	3781.9	3685.0	3524.8	3303.0	3021.9	2684.4	2459.6
-40°	2524.1	2606.6	2656.5	2673.2	2656.5	2606.6	2524.1	2409.6	2264.2	2089.3	1947.2
-42.5°	1951.9	1995.8	2022.3	2031.1	2022.3	1995.8	1951.9	1891.0	1813.6	1720.3	1630.0
-45°	1614.5	1639.3	1654.2	1659.2	1654.2	1639.3	1614.5	1580.1	1536.3	1483.4	1424.5
-47.5°	1402.5	1418.0	1427.3	1430.4	1427.3	1418.0	1402.5	1381.0	1353.6	1320.4	1281.8
-50°	1257.4	1266.9	1272.7	1274.6	1272.7	1266.9	1257.4	1244.1	1227.2	1206.7	1182.7
-52.5°	1157.8	1164.4	1168.4	1169.7	1168.4	1164.4	1157.8	1148.6	1136.8	1122.6	1105.9
-55°	1081.1	1086.2	1089.3	1090.3	1089.3	1086.2	1081.1	1074.1	1065.0	1054.1	1041.2
-57.5°	1015.6	1020.0	1022.6	1023.5	1022.6	1020.0	1015.6	1009.4	1001.6	992.1	980.9
-60°	952.7	956.7	959.1	959.9	959.1	956.7	952.7	947.2	940.1	931.4	921.3
-62.5°	888.6	892.9	895.5	896.4	895.5	892.9	888.6	882.6	874.9	865.5	854.5
-65°	812.5	816.7	819.3	820.1	819.3	816.7	812.5	806.7	799.2	790.1	779.4
-67.5°	729.1	733.7	736.5	737.4	736.5	733.7	729.1	722.8	714.6	704.6	692.9
-70°	628.7	632.6	634.9	635.7	634.9	632.6	628.7	623.2	616.3	607.8	597.8
-72.5°	530.7	534.3	536.5	537.2	536.5	534.3	530.7	525.7	519.3	511.4	502.2
-75°	427.0	429.9	431.7	432.3	431.7	429.9	427.0	422.8	417.5	411.0	403.4
-77.5°	326.7	328.9	330.2	330.6	330.2	328.9	326.7	323.7	319.9	315.2	309.7
-80°	239.0	240.4	241.3	241.6	241.3	240.4	239.0	236.9	234.3	231.1	227.3
-82.5°	163.7	164.6	165.1	165.3	165.1	164.6	163.7	162.4	160.8	158.8	156.4
-85°	100.7	101.2	101.6	101.7	101.6	101.2	100.7	99.9	98.8	97.6	96.1
-87.5°	40.9	41.1	41.3	41.3	41.3	41.1	40.9	40.7	40.3	39.9	39.4
-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: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	38.8	38.2	37.4	36.6	35.8	34.8	33.8	32.8	31.6	30.4	29.2
85°	94.4	92.5	90.4	88.0	85.5	82.7	79.8	76.7	73.4	69.9	66.3
82.5°	153.7	150.7	147.3	143.6	139.6	135.3	130.6	125.7	120.5	115.0	109.2
80°	223.0	218.2	212.8	206.8	200.4	193.4	186.0	178.1	169.7	161.6	153.9
77.5°	303.4	296.2	288.3	279.6	270.2	260.0	249.2	238.2	227.7	216.6	205.1
75°	394.7	384.9	374.0	362.0	349.0	335.0	321.4	307.4	292.7	277.2	261.0
72.5°	491.6	479.7	466.5	452.0	436.3	419.7	402.2	383.6	363.9	343.2	322.6
70°	586.3	573.5	559.2	543.5	525.8	506.4	485.6	463.5	440.2	416.3	391.4
67.5°	679.5	664.4	647.6	629.5	610.3	589.6	567.5	544.1	518.2	490.5	461.7
65°	767.1	753.4	738.1	717.7	695.5	671.6	646.0	619.5	591.9	563.0	532.5
62.5°	841.9	827.8	811.5	792.9	772.8	751.3	726.2	696.3	664.8	631.9	598.5
60°	909.7	896.7	879.5	860.6	840.2	818.2	792.9	766.2	738.1	702.1	664.4
57.5°	968.2	953.9	938.1	920.9	902.3	879.5	854.0	827.1	797.1	765.1	730.5
55°	1026.6	1010.8	993.5	974.7	954.4	932.7	909.7	883.2	852.6	820.6	784.6
52.5°	1087.4	1069.6	1049.8	1028.4	1006.1	982.6	957.7	931.4	903.9	871.0	835.3
50°	1158.9	1135.8	1110.3	1083.9	1058.9	1032.3	1005.0	976.7	947.2	916.4	882.2
47.5°	1249.8	1216.7	1180.4	1148.0	1116.0	1083.2	1052.9	1021.2	989.6	956.7	922.7
45°	1376.9	1323.8	1268.5	1226.1	1180.7	1141.4	1102.9	1066.9	1031.5	996.1	959.9
42.5°	1554.3	1470.1	1394.8	1327.1	1261.2	1209.5	1158.7	1115.6	1073.9	1034.9	996.1
40°	1814.2	1666.7	1564.9	1458.2	1371.9	1290.0	1227.0	1167.4	1119.9	1073.9	1031.5
37.5°	2211.6	1976.9	1804.1	1634.1	1512.6	1399.1	1307.8	1232.9	1167.4	1115.6	1066.9
35°	2824.5	2463.3	2143.2	1897.5	1687.0	1540.1	1408.3	1307.8	1227.0	1158.7	1102.9
32.5°	3778.9	3214.8	2635.0	2268.9	1944.8	1710.0	1540.1	1399.1	1290.0	1209.5	1141.4
30°	5401.2	4330.2	3453.8	2760.0	2311.2	1944.8	1687.0	1512.6	1371.9	1261.2	1180.7
27.5°	7762.5	5874.3	4624.1	3534.2	2760.0	2268.9	1897.5	1634.1	1458.2	1327.1	1226.1
25°	10536.5	8286.5	6126.4	4624.1	3453.8	2635.0	2143.2	1804.1	1564.9	1394.8	1268.5
22.5°	13463.5	10864.4	8286.5	5874.3	4330.2	3214.8	2463.3	1976.9	1666.7	1470.1	1323.8
20°	16328.6	13463.5	10536.5	7762.5	5401.2	3778.9	2824.5	2211.6	1814.2	1554.3	1376.9
17.5°	19081.3	15952.6	12765.2	9566.9	6734.3	4659.2	3300.4	2459.6	1947.2	1630.0	1424.5
15°	21644.0	18263.0	14844.0	11426.0	8175.4	5469.3	3723.7	2684.4	2089.3	1720.3	1483.4
12.5°	23963.8	20352.8	16687.5	13056.7	9489.3	6393.6	4301.8	3021.9	2264.2	1813.6	1536.3
10°	25938.1	22150.1	18292.9	14481.1	10746.1	7361.0	4842.4	3303.0	2409.6	1891.0	1580.1
7.5°	27449.9	23612.5	19594.9	15619.6	11746.5	8128.4	5270.0	3524.8	2524.1	1951.9	1614.5
5°	28573.1	24690.6	20549.3	16450.4	12473.9	8684.9	5579.5	3685.0	2606.6	1995.8	1639.3
2.5°	29266.2	25352.0	21132.3	16956.4	12915.8	9022.2	5766.8	3781.9	2656.5	2022.3	1654.2
0°	29500.6	25575.0	21328.4	17126.3	13064.0	9135.3	5829.5	3814.3	2673.2	2031.1	1659.2
-2.5°	29266.2	25352.0	21132.3	16956.4	12915.8	9022.2	5766.8	3781.9	2656.5	2022.3	1654.2
-5°	28573.1	24690.6	20549.3	16450.4	12473.9	8684.9	5579.5	3685.0	2606.6	1995.8	1639.3
-7.5°	27449.9	23612.5	19594.9	15619.6	11746.5	8128.4	5270.0	3524.8	2524.1	1951.9	1614.5
-10°	25938.1	22150.1	18292.9	14481.1	10746.1	7361.0	4842.4	3303.0	2409.6	1891.0	1580.1
-12.5°	23963.8	20352.8	16687.5	13056.7	9489.3	6393.6	4301.8	3021.9	2264.2	1813.6	1536.3
-15°	21644.0	18263.0	14844.0	11426.0	8175.4	5469.3	3723.7	2684.4	2089.3	1720.3	1483.4
-17.5°	19081.3	15952.6	12765.2	9566.9	6734.3	4659.2	3300.4	2459.6	1947.2	1630.0	1424.5
-20°	16328.6	13463.5	10536.5	7762.5	5401.2	3778.9	2824.5	2211.6	1814.2	1554.3	1376.9



REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13463.5	10864.4	8286.5	5874.3	4330.2	3214.8	2463.3	1976.9	1666.7	1470.1	1323.8
-25°	10536.5	8286.5	6126.4	4624.1	3453.8	2635.0	2143.2	1804.1	1564.9	1394.8	1268.5
-27.5°	7762.5	5874.3	4624.1	3534.2	2760.0	2268.9	1897.5	1634.1	1458.2	1327.1	1226.1
-30°	5401.2	4330.2	3453.8	2760.0	2311.2	1944.8	1687.0	1512.6	1371.9	1261.2	1180.7
-32.5°	3778.9	3214.8	2635.0	2268.9	1944.8	1710.0	1540.1	1399.1	1290.0	1209.5	1141.4
-35°	2824.5	2463.3	2143.2	1897.5	1687.0	1540.1	1408.3	1307.8	1227.0	1158.7	1102.9
-37.5°	2211.6	1976.9	1804.1	1634.1	1512.6	1399.1	1307.8	1232.9	1167.4	1115.6	1066.9
-40°	1814.2	1666.7	1564.9	1458.2	1371.9	1290.0	1227.0	1167.4	1119.9	1073.9	1031.5
-42.5°	1554.3	1470.1	1394.8	1327.1	1261.2	1209.5	1158.7	1115.6	1073.9	1034.9	996.1
-45°	1376.9	1323.8	1268.5	1226.1	1180.7	1141.4	1102.9	1066.9	1031.5	996.1	959.9
-47.5°	1249.8	1216.7	1180.4	1148.0	1116.0	1083.2	1052.9	1021.2	989.6	956.7	922.7
-50°	1158.9	1135.8	1110.3	1083.9	1058.9	1032.3	1005.0	976.7	947.2	916.4	882.2
-52.5°	1087.4	1069.6	1049.8	1028.4	1006.1	982.6	957.7	931.4	903.9	871.0	835.3
-55°	1026.6	1010.8	993.5	974.7	954.4	932.7	909.7	883.2	852.6	820.6	784.6
-57.5°	968.2	953.9	938.1	920.9	902.3	879.5	854.0	827.1	797.1	765.1	730.5
-60°	909.7	896.7	879.5	860.6	840.2	818.2	792.9	766.2	738.1	702.1	664.4
-62.5°	841.9	827.8	811.5	792.9	772.8	751.3	726.2	696.3	664.8	631.9	598.5
-65°	767.1	753.4	738.1	717.7	695.5	671.6	646.0	619.5	591.9	563.0	532.5
-67.5°	679.5	664.4	647.6	629.5	610.3	589.6	567.5	544.1	518.2	490.5	461.7
-70°	586.3	573.5	559.2	543.5	525.8	506.4	485.6	463.5	440.2	416.3	391.4
-72.5°	491.6	479.7	466.5	452.0	436.3	419.7	402.2	383.6	363.9	343.2	322.6
-75°	394.7	384.9	374.0	362.0	349.0	335.0	321.4	307.4	292.7	277.2	261.0
-77.5°	303.4	296.2	288.3	279.6	270.2	260.0	249.2	238.2	227.7	216.6	205.1
-80°	223.0	218.2	212.8	206.8	200.4	193.4	186.0	178.1	169.7	161.6	153.9
-82.5°	153.7	150.7	147.3	143.6	139.6	135.3	130.6	125.7	120.5	115.0	109.2
-85°	94.4	92.5	90.4	88.0	85.5	82.7	79.8	76.7	73.4	69.9	66.3
-87.5°	38.8	38.2	37.4	36.6	35.8	34.8	33.8	32.8	31.6	30.4	29.2
-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: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	27.9	26.5	25.1	23.7	22.2	20.6	19.1	17.4	15.8	14.1	12.4
85°	62.5	58.5	54.4	50.1	45.7	41.3	38.1	34.9	31.6	28.2	24.8
82.5°	103.2	97.2	91.0	84.6	78.1	71.3	64.4	57.3	50.1	42.7	37.2
80°	145.9	137.5	128.9	119.9	110.7	101.2	92.0	82.6	73.0	63.2	53.2
77.5°	193.0	180.5	167.5	155.9	144.4	132.6	120.4	108.0	95.7	83.5	71.1
75°	244.1	228.7	213.1	197.0	180.4	163.7	149.1	134.3	119.1	103.7	88.7
72.5°	302.9	282.4	261.1	239.5	220.2	200.3	180.0	160.2	142.6	124.7	106.5
70°	365.6	338.7	313.4	288.4	262.6	236.9	213.7	190.0	165.9	145.4	124.7
67.5°	431.6	401.4	370.1	337.9	308.0	278.3	247.9	220.5	193.4	165.9	142.6
65°	499.0	464.3	428.6	392.8	356.0	319.9	286.2	251.9	220.5	190.0	160.2
62.5°	563.9	527.4	487.9	447.3	406.5	365.1	323.9	286.2	247.9	213.7	180.0
60°	625.6	586.3	545.9	502.2	456.8	411.0	365.1	319.9	278.3	236.9	200.3
57.5°	687.9	644.0	599.9	554.9	507.0	456.8	406.5	356.0	308.0	262.6	220.2
55°	747.3	702.2	653.5	604.5	554.9	502.2	447.3	392.8	337.9	288.4	239.5
52.5°	796.4	755.1	707.0	653.5	599.9	545.9	487.9	428.6	370.1	313.4	261.1
50°	842.6	800.4	755.1	702.2	644.0	586.3	527.4	464.3	401.4	338.7	282.4
47.5°	885.9	842.6	796.4	747.3	687.9	625.6	563.9	499.0	431.6	365.6	302.9
45°	922.7	882.2	835.3	784.6	730.5	664.4	598.5	532.5	461.7	391.4	322.6
42.5°	956.7	916.4	871.0	820.6	765.1	702.1	631.9	563.0	490.5	416.3	343.2
40°	989.6	947.2	903.9	852.6	797.1	738.1	664.8	591.9	518.2	440.2	363.9
37.5°	1021.2	976.7	931.4	883.2	827.1	766.2	696.3	619.5	544.1	463.5	383.6
35°	1052.9	1005.0	957.7	909.7	854.0	792.9	726.2	646.0	567.5	485.6	402.2
32.5°	1083.2	1032.3	982.6	932.7	879.5	818.2	751.3	671.6	589.6	506.4	419.7
30°	1116.0	1058.9	1006.1	954.4	902.3	840.2	772.8	695.5	610.3	525.8	436.3
27.5°	1148.0	1083.9	1028.4	974.7	920.9	860.6	792.9	717.7	629.5	543.5	452.0
25°	1180.4	1110.3	1049.8	993.5	938.1	879.5	811.5	738.1	647.6	559.2	466.5
22.5°	1216.7	1135.8	1069.6	1010.8	953.9	896.7	827.8	753.4	664.4	573.5	479.7
20°	1249.8	1158.9	1087.4	1026.6	968.2	909.7	841.9	767.1	679.5	586.3	491.6
17.5°	1281.8	1182.7	1105.9	1041.2	980.9	921.3	854.5	779.4	692.9	597.8	502.2
15°	1320.4	1206.7	1122.6	1054.1	992.1	931.4	865.5	790.1	704.6	607.8	511.4
12.5°	1353.6	1227.2	1136.8	1065.0	1001.6	940.1	874.9	799.2	714.6	616.3	519.3
10°	1381.0	1244.1	1148.6	1074.1	1009.4	947.2	882.6	806.7	722.8	623.2	525.7
7.5°	1402.5	1257.4	1157.8	1081.1	1015.6	952.7	888.6	812.5	729.1	628.7	530.7
5°	1418.0	1266.9	1164.4	1086.2	1020.0	956.7	892.9	816.7	733.7	632.6	534.3
2.5°	1427.3	1272.7	1168.4	1089.3	1022.6	959.1	895.5	819.3	736.5	634.9	536.5
0°	1430.4	1274.6	1169.7	1090.3	1023.5	959.9	896.4	820.1	737.4	635.7	537.2
-2.5°	1427.3	1272.7	1168.4	1089.3	1022.6	959.1	895.5	819.3	736.5	634.9	536.5
-5°	1418.0	1266.9	1164.4	1086.2	1020.0	956.7	892.9	816.7	733.7	632.6	534.3
-7.5°	1402.5	1257.4	1157.8	1081.1	1015.6	952.7	888.6	812.5	729.1	628.7	530.7
-10°	1381.0	1244.1	1148.6	1074.1	1009.4	947.2	882.6	806.7	722.8	623.2	525.7
-12.5°	1353.6	1227.2	1136.8	1065.0	1001.6	940.1	874.9	799.2	714.6	616.3	519.3
-15°	1320.4	1206.7	1122.6	1054.1	992.1	931.4	865.5	790.1	704.6	607.8	511.4
-17.5°	1281.8	1182.7	1105.9	1041.2	980.9	921.3	854.5	779.4	692.9	597.8	502.2
-20°	1249.8	1158.9	1087.4	1026.6	968.2	909.7	841.9	767.1	679.5	586.3	491.6

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

Scaled Data Report



REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1216.7	1135.8	1069.6	1010.8	953.9	896.7	827.8	753.4	664.4	573.5	479.7
-25°	1180.4	1110.3	1049.8	993.5	938.1	879.5	811.5	738.1	647.6	559.2	466.5
-27.5°	1148.0	1083.9	1028.4	974.7	920.9	860.6	792.9	717.7	629.5	543.5	452.0
-30°	1116.0	1058.9	1006.1	954.4	902.3	840.2	772.8	695.5	610.3	525.8	436.3
-32.5°	1083.2	1032.3	982.6	932.7	879.5	818.2	751.3	671.6	589.6	506.4	419.7
-35°	1052.9	1005.0	957.7	909.7	854.0	792.9	726.2	646.0	567.5	485.6	402.2
-37.5°	1021.2	976.7	931.4	883.2	827.1	766.2	696.3	619.5	544.1	463.5	383.6
-40°	989.6	947.2	903.9	852.6	797.1	738.1	664.8	591.9	518.2	440.2	363.9
-42.5°	956.7	916.4	871.0	820.6	765.1	702.1	631.9	563.0	490.5	416.3	343.2
-45°	922.7	882.2	835.3	784.6	730.5	664.4	598.5	532.5	461.7	391.4	322.6
-47.5°	885.9	842.6	796.4	747.3	687.9	625.6	563.9	499.0	431.6	365.6	302.9
-50°	842.6	800.4	755.1	702.2	644.0	586.3	527.4	464.3	401.4	338.7	282.4
-52.5°	796.4	755.1	707.0	653.5	599.9	545.9	487.9	428.6	370.1	313.4	261.1
-55°	747.3	702.2	653.5	604.5	554.9	502.2	447.3	392.8	337.9	288.4	239.5
-57.5°	687.9	644.0	599.9	554.9	507.0	456.8	406.5	356.0	308.0	262.6	220.2
-60°	625.6	586.3	545.9	502.2	456.8	411.0	365.1	319.9	278.3	236.9	200.3
-62.5°	563.9	527.4	487.9	447.3	406.5	365.1	323.9	286.2	247.9	213.7	180.0
-65°	499.0	464.3	428.6	392.8	356.0	319.9	286.2	251.9	220.5	190.0	160.2
-67.5°	431.6	401.4	370.1	337.9	308.0	278.3	247.9	220.5	193.4	165.9	142.6
-70°	365.6	338.7	313.4	288.4	262.6	236.9	213.7	190.0	165.9	145.4	124.7
-72.5°	302.9	282.4	261.1	239.5	220.2	200.3	180.0	160.2	142.6	124.7	106.5
-75°	244.1	228.7	213.1	197.0	180.4	163.7	149.1	134.3	119.1	103.7	88.7
-77.5°	193.0	180.5	167.5	155.9	144.4	132.6	120.4	108.0	95.7	83.5	71.1
-80°	145.9	137.5	128.9	119.9	110.7	101.2	92.0	82.6	73.0	63.2	53.2
-82.5°	103.2	97.2	91.0	84.6	78.1	71.3	64.4	57.3	50.1	42.7	37.2
-85°	62.5	58.5	54.4	50.1	45.7	41.3	38.1	34.9	31.6	28.2	24.8
-87.5°	27.9	26.5	25.1	23.7	22.2	20.6	19.1	17.4	15.8	14.1	12.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-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°	10.7	8.9	7.2	5.4	3.6	1.8	0.0
85°	21.4	17.9	14.3	10.8	7.2	3.6	0.0
82.5°	32.0	26.7	21.5	16.1	10.8	5.4	0.0
80°	43.1	35.6	28.5	21.5	14.3	7.2	0.0
77.5°	58.5	45.8	35.6	26.7	17.9	8.9	0.0
75°	73.7	58.5	43.1	32.0	21.4	10.7	0.0
72.5°	88.7	71.1	53.2	37.2	24.8	12.4	0.0
70°	103.7	83.5	63.2	42.7	28.2	14.1	0.0
67.5°	119.1	95.7	73.0	50.1	31.6	15.8	0.0
65°	134.3	108.0	82.6	57.3	34.9	17.4	0.0
62.5°	149.1	120.4	92.0	64.4	38.1	19.1	0.0
60°	163.7	132.6	101.2	71.3	41.3	20.6	0.0
57.5°	180.4	144.4	110.7	78.1	45.7	22.2	0.0
55°	197.0	155.9	119.9	84.6	50.1	23.7	0.0
52.5°	213.1	167.5	128.9	91.0	54.4	25.1	0.0
50°	228.7	180.5	137.5	97.2	58.5	26.5	0.0
47.5°	244.1	193.0	145.9	103.2	62.5	27.9	0.0
45°	261.0	205.1	153.9	109.2	66.3	29.2	0.0
42.5°	277.2	216.6	161.6	115.0	69.9	30.4	0.0
40°	292.7	227.7	169.7	120.5	73.4	31.6	0.0
37.5°	307.4	238.2	178.1	125.7	76.7	32.8	0.0
35°	321.4	249.2	186.0	130.6	79.8	33.8	0.0
32.5°	335.0	260.0	193.4	135.3	82.7	34.8	0.0
30°	349.0	270.2	200.4	139.6	85.5	35.8	0.0
27.5°	362.0	279.6	206.8	143.6	88.0	36.6	0.0
25°	374.0	288.3	212.8	147.3	90.4	37.4	0.0
22.5°	384.9	296.2	218.2	150.7	92.5	38.2	0.0
20°	394.7	303.4	223.0	153.7	94.4	38.8	0.0
17.5°	403.4	309.7	227.3	156.4	96.1	39.4	0.0
15°	411.0	315.2	231.1	158.8	97.6	39.9	0.0
12.5°	417.5	319.9	234.3	160.8	98.8	40.3	0.0
10°	422.8	323.7	236.9	162.4	99.9	40.7	0.0
7.5°	427.0	326.7	239.0	163.7	100.7	40.9	0.0
5°	429.9	328.9	240.4	164.6	101.2	41.1	0.0
2.5°	431.7	330.2	241.3	165.1	101.6	41.3	0.0
0°	432.3	330.6	241.6	165.3	101.7	41.3	0.0
-2.5°	431.7	330.2	241.3	165.1	101.6	41.3	0.0
-5°	429.9	328.9	240.4	164.6	101.2	41.1	0.0
-7.5°	427.0	326.7	239.0	163.7	100.7	40.9	0.0
-10°	422.8	323.7	236.9	162.4	99.9	40.7	0.0
-12.5°	417.5	319.9	234.3	160.8	98.8	40.3	0.0
-15°	411.0	315.2	231.1	158.8	97.6	39.9	0.0
-17.5°	403.4	309.7	227.3	156.4	96.1	39.4	0.0
-20°	394.7	303.4	223.0	153.7	94.4	38.8	0.0

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Scaled Data Report



REPORT NUMBER: P624752 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-55

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	384.9	296.2	218.2	150.7	92.5	38.2	0.0
-25°	374.0	288.3	212.8	147.3	90.4	37.4	0.0
-27.5°	362.0	279.6	206.8	143.6	88.0	36.6	0.0
-30°	349.0	270.2	200.4	139.6	85.5	35.8	0.0
-32.5°	335.0	260.0	193.4	135.3	82.7	34.8	0.0
-35°	321.4	249.2	186.0	130.6	79.8	33.8	0.0
-37.5°	307.4	238.2	178.1	125.7	76.7	32.8	0.0
-40°	292.7	227.7	169.7	120.5	73.4	31.6	0.0
-42.5°	277.2	216.6	161.6	115.0	69.9	30.4	0.0
-45°	261.0	205.1	153.9	109.2	66.3	29.2	0.0
-47.5°	244.1	193.0	145.9	103.2	62.5	27.9	0.0
-50°	228.7	180.5	137.5	97.2	58.5	26.5	0.0
-52.5°	213.1	167.5	128.9	91.0	54.4	25.1	0.0
-55°	197.0	155.9	119.9	84.6	50.1	23.7	0.0
-57.5°	180.4	144.4	110.7	78.1	45.7	22.2	0.0
-60°	163.7	132.6	101.2	71.3	41.3	20.6	0.0
-62.5°	149.1	120.4	92.0	64.4	38.1	19.1	0.0
-65°	134.3	108.0	82.6	57.3	34.9	17.4	0.0
-67.5°	119.1	95.7	73.0	50.1	31.6	15.8	0.0
-70°	103.7	83.5	63.2	42.7	28.2	14.1	0.0
-72.5°	88.7	71.1	53.2	37.2	24.8	12.4	0.0
-75°	73.7	58.5	43.1	32.0	21.4	10.7	0.0
-77.5°	58.5	45.8	35.6	26.7	17.9	8.9	0.0
-80°	43.1	35.6	28.5	21.5	14.3	7.2	0.0
-82.5°	32.0	26.7	21.5	16.1	10.8	5.4	0.0
-85°	21.4	17.9	14.3	10.8	7.2	3.6	0.0
-87.5°	10.7	8.9	7.2	5.4	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)