

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: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-3000K-55**

Issue Date: 11/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P624766 (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-06-E-PRO-3000K-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: 28811.9 lumens  
Efficiency: N/A  
Efficacy: 117.5 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: 19097.2 lumens  
Beam Efficiency: 66.3%

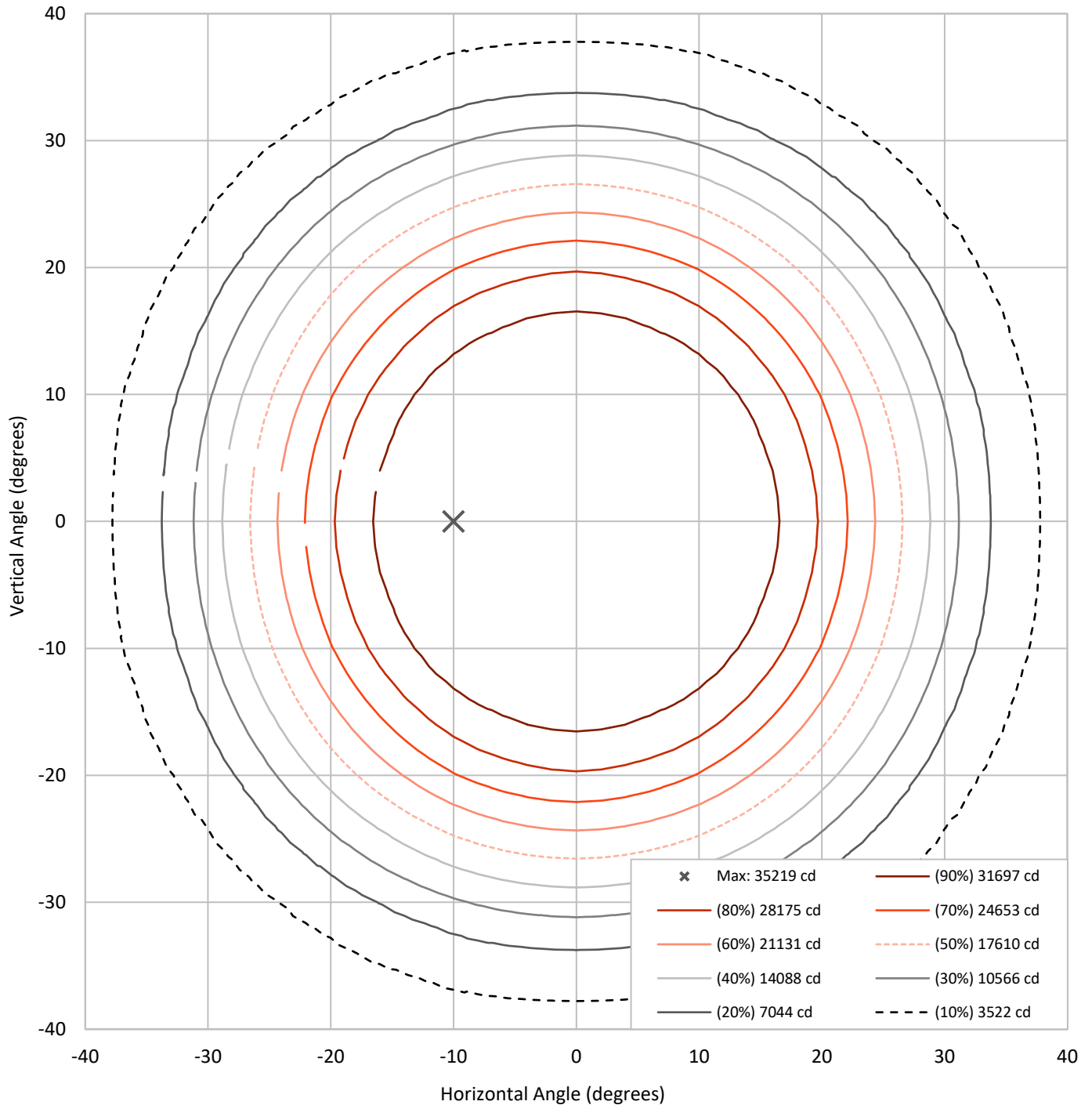
Field Angle (10%): 75.3°H x 73.6°V  
Field Lumens: 24832.2 lumens  
Field Efficiency: 86.2%

NEMA Type: 5H x 5V  
Max Intensity: 35219 candela  
Max Intensity Angle: -10°H x 0°V

Input Watts (W): 245.3  
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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CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-55

### Iso-Candela Plot





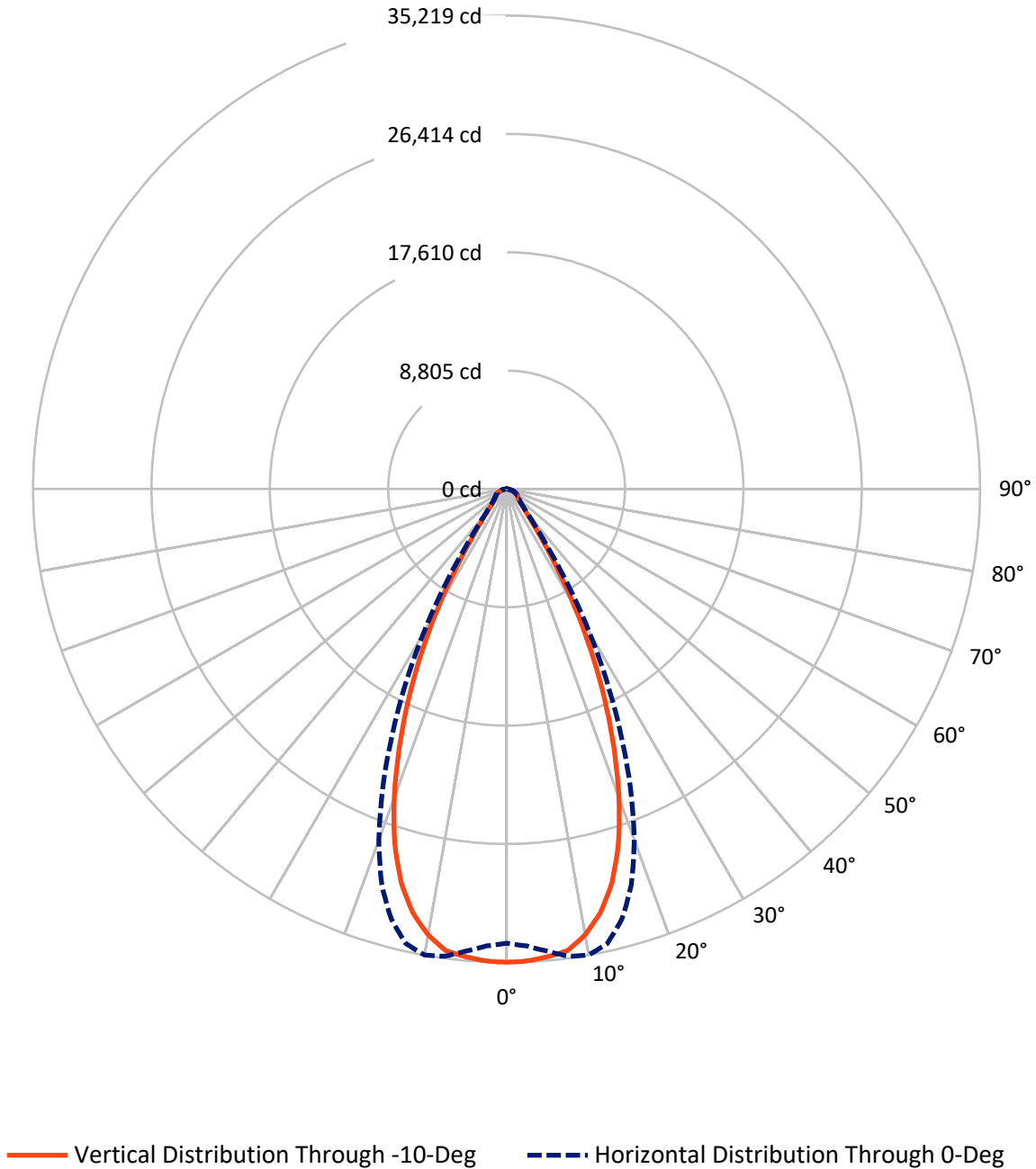
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### Lumen Table

90																			
80	0.8	6.3		16.5		26.6		30.7		26.6		16.5		6.3		0.8			
70																			
60	2.9	3.1	6.5	10.8	15.1	18.9	21.6	23.1	23.1	21.6	18.9	15.1	10.8	6.5	3.1	2.9			
50		4.8	10.0	15.8	21.2	25.8	29.3	31.2	31.2	29.3	25.8	21.2	15.8	10.0	4.8				
40	5.1	6.5	12.9	19.4	26.1	33.8	42.7	49.6	49.6	42.7	33.8	26.1	19.4	12.9	6.5	5.1			
30		7.9	14.9	22.5	34.2	60.9	118.9	178.9	178.9	118.9	60.9	34.2	22.5	14.9	7.9				
20	6.8	8.9	16.4	26.4	55.2	176.1	408.0	579.0	579.0	408.0	176.1	55.2	26.4	16.4	8.9	6.8			
10		9.6	17.5	31.5	102.0	384.3	751.7	958.5	958.5	751.7	384.3	102.0	31.5	17.5	9.6				
0	7.4	9.9	18.1	35.6	149.3	529.3	930.2	1054.9	1054.9	930.2	529.3	149.3	35.6	18.1	9.9	7.4			
-10		9.9	18.1	35.6	149.3	529.3	930.2	1054.9	1054.9	930.2	529.3	149.3	35.6	18.1	9.9				
-20	6.8	9.6	17.5	31.5	102.0	384.3	751.7	958.5	958.5	751.7	384.3	102.0	31.5	17.5	9.6	6.8			
-30		8.9	16.4	26.4	55.2	176.1	408.0	579.0	579.0	408.0	176.1	55.2	26.4	16.4	8.9				
-40	5.1	7.9	14.9	22.5	34.2	60.9	118.9	178.9	178.9	118.9	60.9	34.2	22.5	14.9	7.9	5.1			
-50		6.5	12.9	19.4	26.1	33.8	42.7	49.6	49.6	42.7	33.8	26.1	19.4	12.9	6.5				
-60	2.9	4.8	10.0	15.8	21.2	25.8	29.3	31.2	31.2	29.3	25.8	21.2	15.8	10.0	4.8	2.9			
-70		3.1	6.5	10.8	15.1	18.9	21.6	23.1	23.1	21.6	18.9	15.1	10.8	6.5	3.1				
-80																			
-90	0.8	6.3		16.5		26.6		30.7		26.6		16.5		6.3		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

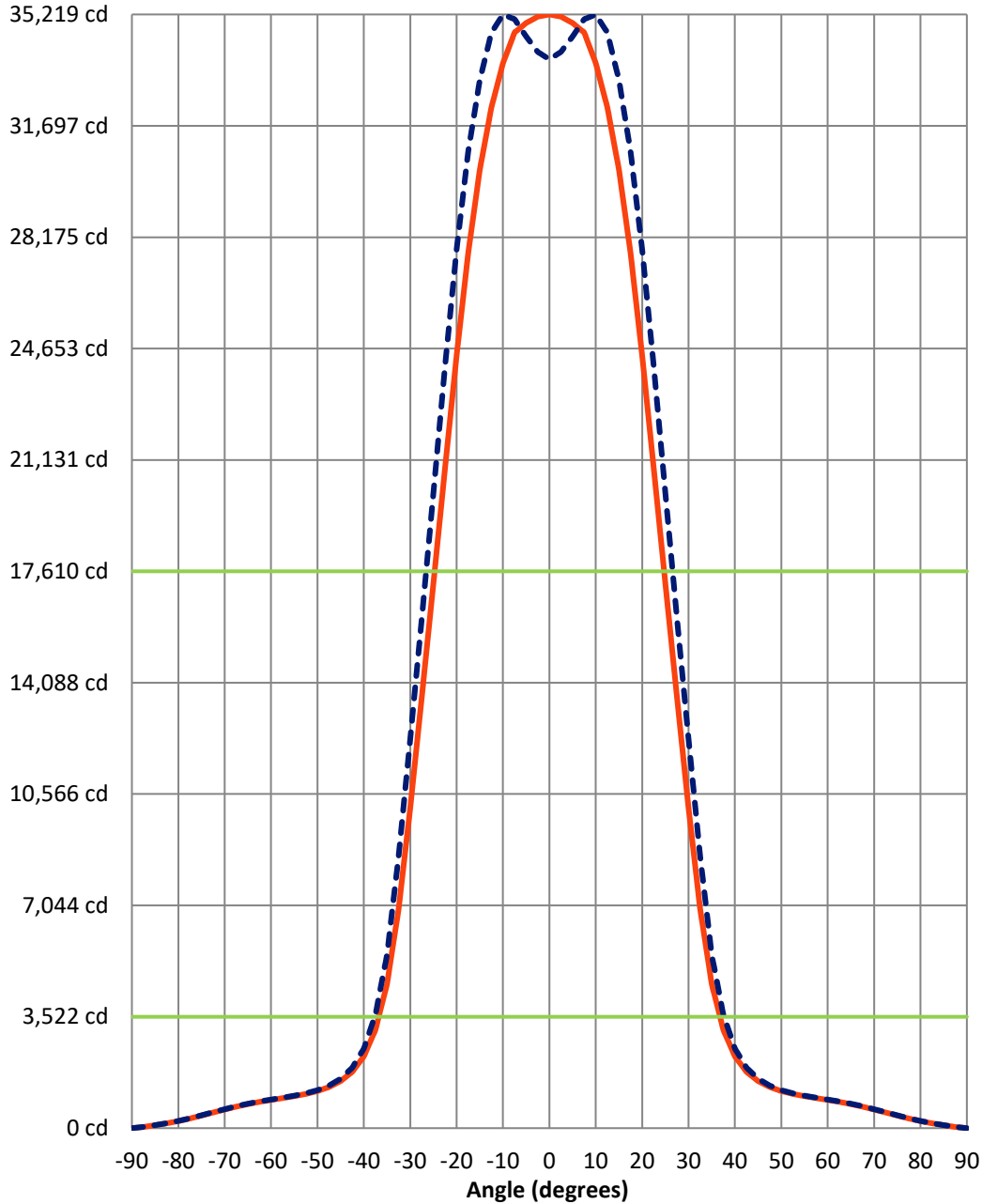
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.1°  
 V Angle: 49.5°  
 Lumens: 19097.2  
 Efficiency: 66.3%

**Field:**  
 H Angle: 75.3°  
 V Angle: 73.6°  
 Lumens: 24832.2  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 3979.7  
 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	1.7	3.4	5.1	6.8	8.4	10.1	11.7	13.3	14.9	16.4
85°	0.0	3.4	6.8	10.1	13.5	16.8	20.1	23.4	26.6	29.7	32.8
82.5°	0.0	5.1	10.1	15.2	20.2	25.2	30.1	35.0	40.2	47.2	54.0
80°	0.0	6.8	13.5	20.2	26.9	33.5	40.6	50.1	59.5	68.7	77.8
77.5°	0.0	8.4	16.8	25.2	33.5	43.1	55.1	66.9	78.6	90.1	101.7
75°	0.0	10.1	20.1	30.1	40.6	55.1	69.4	83.6	97.7	112.2	126.5
72.5°	0.0	11.7	23.4	35.0	50.1	66.9	83.6	100.3	117.4	134.3	150.9
70°	0.0	13.3	26.6	40.2	59.5	78.6	97.7	117.4	137.0	156.3	179.0
67.5°	0.0	14.9	29.7	47.2	68.7	90.1	112.2	134.3	156.3	182.2	207.6
65°	0.0	16.4	32.8	54.0	77.8	101.7	126.5	150.9	179.0	207.6	237.2
62.5°	0.0	18.0	35.9	60.6	86.7	113.4	140.5	169.5	201.3	233.5	269.6
60°	0.0	19.4	38.9	67.2	95.4	124.9	154.2	188.7	223.1	262.1	301.3
57.5°	0.0	20.9	43.1	73.5	104.3	136.0	169.9	207.3	247.3	290.1	335.3
55°	0.0	22.3	47.2	79.7	113.0	146.9	185.5	225.5	271.6	318.3	370.0
52.5°	0.0	23.7	51.2	85.7	121.4	157.7	200.7	245.9	295.2	348.6	403.7
50°	0.0	25.0	55.1	91.5	129.6	170.0	215.3	265.9	319.1	378.1	437.3
47.5°	0.0	26.3	58.8	97.2	137.4	181.8	229.9	285.3	344.3	406.6	470.0
45°	0.0	27.5	62.4	102.9	145.0	193.1	245.8	303.9	368.7	434.9	501.6
42.5°	0.0	28.7	65.9	108.3	152.2	204.0	261.1	323.2	392.1	462.1	530.3
40°	0.0	29.8	69.1	113.5	159.8	214.4	275.7	342.7	414.7	488.1	557.6
37.5°	0.0	30.9	72.2	118.4	167.7	224.3	289.6	361.3	436.6	512.5	583.6
35°	0.0	31.9	75.2	123.1	175.2	234.6	302.7	378.8	457.4	534.5	608.5
32.5°	0.0	32.8	77.9	127.4	182.2	244.9	315.6	395.4	477.0	555.3	632.6
30°	0.0	33.7	80.5	131.5	188.7	254.5	328.7	411.0	495.3	574.8	655.1
27.5°	0.0	34.5	82.9	135.3	194.8	263.4	341.0	425.8	512.0	593.0	676.1
25°	0.0	35.3	85.1	138.8	200.4	271.5	352.3	439.4	526.7	610.0	695.3
22.5°	0.0	35.9	87.1	142.0	205.4	279.0	362.5	451.9	540.2	625.8	709.6
20°	0.0	36.6	88.9	144.8	210.0	285.7	371.8	463.1	552.3	640.0	722.6
17.5°	0.0	37.1	90.5	147.3	214.1	291.7	380.0	473.0	563.1	652.7	734.1
15°	0.0	37.6	91.9	149.5	217.6	296.9	387.2	481.7	572.5	663.7	744.2
12.5°	0.0	38.0	93.1	151.4	220.6	301.3	393.3	489.1	580.5	673.1	752.7
10°	0.0	38.3	94.1	153.0	223.1	304.9	398.3	495.2	587.1	680.8	759.8
7.5°	0.0	38.6	94.8	154.2	225.0	307.8	402.2	499.9	592.2	686.8	765.3
5°	0.0	38.8	95.4	155.0	226.4	309.8	405.0	503.3	595.9	691.1	769.2
2.5°	0.0	38.9	95.7	155.5	227.2	311.0	406.6	505.3	598.1	693.7	771.6
0°	0.0	38.9	95.8	155.7	227.5	311.4	407.2	506.0	598.8	694.6	772.4
-2.5°	0.0	38.9	95.7	155.5	227.2	311.0	406.6	505.3	598.1	693.7	771.6
-5°	0.0	38.8	95.4	155.0	226.4	309.8	405.0	503.3	595.9	691.1	769.2
-7.5°	0.0	38.6	94.8	154.2	225.0	307.8	402.2	499.9	592.2	686.8	765.3
-10°	0.0	38.3	94.1	153.0	223.1	304.9	398.3	495.2	587.1	680.8	759.8
-12.5°	0.0	38.0	93.1	151.4	220.6	301.3	393.3	489.1	580.5	673.1	752.7
-15°	0.0	37.6	91.9	149.5	217.6	296.9	387.2	481.7	572.5	663.7	744.2
-17.5°	0.0	37.1	90.5	147.3	214.1	291.7	380.0	473.0	563.1	652.7	734.1
-20°	0.0	36.6	88.9	144.8	210.0	285.7	371.8	463.1	552.3	640.0	722.6

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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	35.9	87.1	142.0	205.4	279.0	362.5	451.9	540.2	625.8	709.6
-25°	0.0	35.3	85.1	138.8	200.4	271.5	352.3	439.4	526.7	610.0	695.3
-27.5°	0.0	34.5	82.9	135.3	194.8	263.4	341.0	425.8	512.0	593.0	676.1
-30°	0.0	33.7	80.5	131.5	188.7	254.5	328.7	411.0	495.3	574.8	655.1
-32.5°	0.0	32.8	77.9	127.4	182.2	244.9	315.6	395.4	477.0	555.3	632.6
-35°	0.0	31.9	75.2	123.1	175.2	234.6	302.7	378.8	457.4	534.5	608.5
-37.5°	0.0	30.9	72.2	118.4	167.7	224.3	289.6	361.3	436.6	512.5	583.6
-40°	0.0	29.8	69.1	113.5	159.8	214.4	275.7	342.7	414.7	488.1	557.6
-42.5°	0.0	28.7	65.9	108.3	152.2	204.0	261.1	323.2	392.1	462.1	530.3
-45°	0.0	27.5	62.4	102.9	145.0	193.1	245.8	303.9	368.7	434.9	501.6
-47.5°	0.0	26.3	58.8	97.2	137.4	181.8	229.9	285.3	344.3	406.6	470.0
-50°	0.0	25.0	55.1	91.5	129.6	170.0	215.3	265.9	319.1	378.1	437.3
-52.5°	0.0	23.7	51.2	85.7	121.4	157.7	200.7	245.9	295.2	348.6	403.7
-55°	0.0	22.3	47.2	79.7	113.0	146.9	185.5	225.5	271.6	318.3	370.0
-57.5°	0.0	20.9	43.1	73.5	104.3	136.0	169.9	207.3	247.3	290.1	335.3
-60°	0.0	19.4	38.9	67.2	95.4	124.9	154.2	188.7	223.1	262.1	301.3
-62.5°	0.0	18.0	35.9	60.6	86.7	113.4	140.5	169.5	201.3	233.5	269.6
-65°	0.0	16.4	32.8	54.0	77.8	101.7	126.5	150.9	179.0	207.6	237.2
-67.5°	0.0	14.9	29.7	47.2	68.7	90.1	112.2	134.3	156.3	182.2	207.6
-70°	0.0	13.3	26.6	40.2	59.5	78.6	97.7	117.4	137.0	156.3	179.0
-72.5°	0.0	11.7	23.4	35.0	50.1	66.9	83.6	100.3	117.4	134.3	150.9
-75°	0.0	10.1	20.1	30.1	40.6	55.1	69.4	83.6	97.7	112.2	126.5
-77.5°	0.0	8.4	16.8	25.2	33.5	43.1	55.1	66.9	78.6	90.1	101.7
-80°	0.0	6.8	13.5	20.2	26.9	33.5	40.6	50.1	59.5	68.7	77.8
-82.5°	0.0	5.1	10.1	15.2	20.2	25.2	30.1	35.0	40.2	47.2	54.0
-85°	0.0	3.4	6.8	10.1	13.5	16.8	20.1	23.4	26.6	29.7	32.8
-87.5°	0.0	1.7	3.4	5.1	6.8	8.4	10.1	11.7	13.3	14.9	16.4
-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°	18.0	19.4	20.9	22.3	23.7	25.0	26.3	27.5	28.7	29.8	30.9
85°	35.9	38.9	43.1	47.2	51.2	55.1	58.8	62.4	65.9	69.1	72.2
82.5°	60.6	67.2	73.5	79.7	85.7	91.5	97.2	102.9	108.3	113.5	118.4
80°	86.7	95.4	104.3	113.0	121.4	129.6	137.4	145.0	152.2	159.8	167.7
77.5°	113.4	124.9	136.0	146.9	157.7	170.0	181.8	193.1	204.0	214.4	224.3
75°	140.5	154.2	169.9	185.5	200.7	215.3	229.9	245.8	261.1	275.7	289.6
72.5°	169.5	188.7	207.3	225.5	245.9	265.9	285.3	303.9	323.2	342.7	361.3
70°	201.3	223.1	247.3	271.6	295.2	319.1	344.3	368.7	392.1	414.7	436.6
67.5°	233.5	262.1	290.1	318.3	348.6	378.1	406.6	434.9	462.1	488.1	512.5
65°	269.6	301.3	335.3	370.0	403.7	437.3	470.0	501.6	530.3	557.6	583.6
62.5°	305.0	343.9	382.9	421.3	459.6	496.7	531.1	563.8	595.2	626.2	655.9
60°	343.9	387.2	430.3	473.0	514.2	552.3	589.2	625.8	661.3	695.3	721.7
57.5°	382.9	430.3	477.5	522.7	565.1	606.6	648.0	688.1	720.6	750.8	779.0
55°	421.3	473.0	522.7	569.4	615.5	661.4	703.9	739.0	772.9	803.0	831.8
52.5°	459.6	514.2	565.1	615.5	665.9	711.3	750.1	786.7	820.3	851.3	877.2
50°	496.7	552.3	606.6	661.4	711.3	753.9	793.6	830.8	863.1	892.1	919.9
47.5°	531.1	589.2	648.0	703.9	750.1	793.6	834.3	869.0	901.1	932.1	961.9
45°	563.8	625.8	688.1	739.0	786.7	830.8	869.0	904.1	938.2	971.5	1004.9
42.5°	595.2	661.3	720.6	772.9	820.3	863.1	901.1	938.2	974.8	1011.5	1050.8
40°	626.2	695.3	750.8	803.0	851.3	892.1	932.1	971.5	1011.5	1054.8	1099.5
37.5°	655.9	721.7	779.0	831.8	877.2	919.9	961.9	1004.9	1050.8	1099.5	1161.2
35°	684.1	746.8	804.3	856.8	902.0	946.6	991.7	1038.8	1091.3	1155.7	1231.7
32.5°	707.6	770.6	828.3	878.5	925.5	972.3	1020.2	1075.1	1139.2	1215.0	1317.8
30°	727.9	791.3	849.7	898.9	947.6	997.4	1051.1	1112.0	1187.9	1292.1	1424.7
27.5°	746.8	810.5	867.3	918.0	968.6	1020.9	1081.3	1154.8	1249.9	1373.4	1539.1
25°	764.3	828.3	883.5	935.8	988.8	1045.8	1111.8	1194.8	1313.7	1473.9	1699.2
22.5°	779.6	844.5	898.4	952.0	1007.4	1069.7	1146.0	1246.8	1384.6	1569.9	1861.9
20°	792.9	856.8	911.9	966.9	1024.2	1091.5	1177.1	1296.8	1463.9	1708.7	2083.0
17.5°	804.8	867.7	923.9	980.7	1041.6	1113.9	1207.2	1341.7	1535.3	1834.0	2316.6
15°	815.1	877.2	934.4	992.8	1057.3	1136.5	1243.7	1397.2	1620.3	1967.8	2528.4
12.5°	824.0	885.4	943.4	1003.1	1070.7	1155.8	1274.9	1447.0	1708.2	2132.6	2846.3
10°	831.2	892.1	950.8	1011.6	1081.8	1171.8	1300.7	1488.3	1781.1	2269.5	3111.0
7.5°	836.9	897.3	956.5	1018.3	1090.5	1184.3	1320.9	1520.7	1838.4	2377.3	3319.9
5°	840.9	901.1	960.7	1023.1	1096.7	1193.3	1335.5	1544.0	1879.7	2455.1	3470.8
2.5°	843.4	903.3	963.2	1025.9	1100.4	1198.7	1344.3	1558.1	1904.7	2502.1	3562.1
0°	844.2	904.1	964.0	1026.9	1101.7	1200.5	1347.2	1562.8	1913.0	2517.8	3592.6
-2.5°	843.4	903.3	963.2	1025.9	1100.4	1198.7	1344.3	1558.1	1904.7	2502.1	3562.1
-5°	840.9	901.1	960.7	1023.1	1096.7	1193.3	1335.5	1544.0	1879.7	2455.1	3470.8
-7.5°	836.9	897.3	956.5	1018.3	1090.5	1184.3	1320.9	1520.7	1838.4	2377.3	3319.9
-10°	831.2	892.1	950.8	1011.6	1081.8	1171.8	1300.7	1488.3	1781.1	2269.5	3111.0
-12.5°	824.0	885.4	943.4	1003.1	1070.7	1155.8	1274.9	1447.0	1708.2	2132.6	2846.3
-15°	815.1	877.2	934.4	992.8	1057.3	1136.5	1243.7	1397.2	1620.3	1967.8	2528.4
-17.5°	804.8	867.7	923.9	980.7	1041.6	1113.9	1207.2	1341.7	1535.3	1834.0	2316.6
-20°	792.9	856.8	911.9	966.9	1024.2	1091.5	1177.1	1296.8	1463.9	1708.7	2083.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-55

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	779.6	844.5	898.4	952.0	1007.4	1069.7	1146.0	1246.8	1384.6	1569.9	1861.9
-25°	764.3	828.3	883.5	935.8	988.8	1045.8	1111.8	1194.8	1313.7	1473.9	1699.2
-27.5°	746.8	810.5	867.3	918.0	968.6	1020.9	1081.3	1154.8	1249.9	1373.4	1539.1
-30°	727.9	791.3	849.7	898.9	947.6	997.4	1051.1	1112.0	1187.9	1292.1	1424.7
-32.5°	707.6	770.6	828.3	878.5	925.5	972.3	1020.2	1075.1	1139.2	1215.0	1317.8
-35°	684.1	746.8	804.3	856.8	902.0	946.6	991.7	1038.8	1091.3	1155.7	1231.7
-37.5°	655.9	721.7	779.0	831.8	877.2	919.9	961.9	1004.9	1050.8	1099.5	1161.2
-40°	626.2	695.3	750.8	803.0	851.3	892.1	932.1	971.5	1011.5	1054.8	1099.5
-42.5°	595.2	661.3	720.6	772.9	820.3	863.1	901.1	938.2	974.8	1011.5	1050.8
-45°	563.8	625.8	688.1	739.0	786.7	830.8	869.0	904.1	938.2	971.5	1004.9
-47.5°	531.1	589.2	648.0	703.9	750.1	793.6	834.3	869.0	901.1	932.1	961.9
-50°	496.7	552.3	606.6	661.4	711.3	753.9	793.6	830.8	863.1	892.1	919.9
-52.5°	459.6	514.2	565.1	615.5	665.9	711.3	750.1	786.7	820.3	851.3	877.2
-55°	421.3	473.0	522.7	569.4	615.5	661.4	703.9	739.0	772.9	803.0	831.8
-57.5°	382.9	430.3	477.5	522.7	565.1	606.6	648.0	688.1	720.6	750.8	779.0
-60°	343.9	387.2	430.3	473.0	514.2	552.3	589.2	625.8	661.3	695.3	721.7
-62.5°	305.0	343.9	382.9	421.3	459.6	496.7	531.1	563.8	595.2	626.2	655.9
-65°	269.6	301.3	335.3	370.0	403.7	437.3	470.0	501.6	530.3	557.6	583.6
-67.5°	233.5	262.1	290.1	318.3	348.6	378.1	406.6	434.9	462.1	488.1	512.5
-70°	201.3	223.1	247.3	271.6	295.2	319.1	344.3	368.7	392.1	414.7	436.6
-72.5°	169.5	188.7	207.3	225.5	245.9	265.9	285.3	303.9	323.2	342.7	361.3
-75°	140.5	154.2	169.9	185.5	200.7	215.3	229.9	245.8	261.1	275.7	289.6
-77.5°	113.4	124.9	136.0	146.9	157.7	170.0	181.8	193.1	204.0	214.4	224.3
-80°	86.7	95.4	104.3	113.0	121.4	129.6	137.4	145.0	152.2	159.8	167.7
-82.5°	60.6	67.2	73.5	79.7	85.7	91.5	97.2	102.9	108.3	113.5	118.4
-85°	35.9	38.9	43.1	47.2	51.2	55.1	58.8	62.4	65.9	69.1	72.2
-87.5°	18.0	19.4	20.9	22.3	23.7	25.0	26.3	27.5	28.7	29.8	30.9
-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: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	31.9	32.8	33.7	34.5	35.3	35.9	36.6	37.1	37.6	38.0	38.3
85°	75.2	77.9	80.5	82.9	85.1	87.1	88.9	90.5	91.9	93.1	94.1
82.5°	123.1	127.4	131.5	135.3	138.8	142.0	144.8	147.3	149.5	151.4	153.0
80°	175.2	182.2	188.7	194.8	200.4	205.4	210.0	214.1	217.6	220.6	223.1
77.5°	234.6	244.9	254.5	263.4	271.5	279.0	285.7	291.7	296.9	301.3	304.9
75°	302.7	315.6	328.7	341.0	352.3	362.5	371.8	380.0	387.2	393.3	398.3
72.5°	378.8	395.4	411.0	425.8	439.4	451.9	463.1	473.0	481.7	489.1	495.2
70°	457.4	477.0	495.3	512.0	526.7	540.2	552.3	563.1	572.5	580.5	587.1
67.5°	534.5	555.3	574.8	593.0	610.0	625.8	640.0	652.7	663.7	673.1	680.8
65°	608.5	632.6	655.1	676.1	695.3	709.6	722.6	734.1	744.2	752.7	759.8
62.5°	684.1	707.6	727.9	746.8	764.3	779.6	792.9	804.8	815.1	824.0	831.2
60°	746.8	770.6	791.3	810.5	828.3	844.5	856.8	867.7	877.2	885.4	892.1
57.5°	804.3	828.3	849.7	867.3	883.5	898.4	911.9	923.9	934.4	943.4	950.8
55°	856.8	878.5	898.9	918.0	935.8	952.0	966.9	980.7	992.8	1003.1	1011.6
52.5°	902.0	925.5	947.6	968.6	988.8	1007.4	1024.2	1041.6	1057.3	1070.7	1081.8
50°	946.6	972.3	997.4	1020.9	1045.8	1069.7	1091.5	1113.9	1136.5	1155.8	1171.8
47.5°	991.7	1020.2	1051.1	1081.3	1111.8	1146.0	1177.1	1207.2	1243.7	1274.9	1300.7
45°	1038.8	1075.1	1112.0	1154.8	1194.8	1246.8	1296.8	1341.7	1397.2	1447.0	1488.3
42.5°	1091.3	1139.2	1187.9	1249.9	1313.7	1384.6	1463.9	1535.3	1620.3	1708.2	1781.1
40°	1155.7	1215.0	1292.1	1373.4	1473.9	1569.9	1708.7	1834.0	1967.8	2132.6	2269.5
37.5°	1231.7	1317.8	1424.7	1539.1	1699.2	1861.9	2083.0	2316.6	2528.4	2846.3	3111.0
35°	1326.4	1450.6	1588.9	1787.2	2018.6	2320.1	2660.3	3108.6	3507.3	4051.8	4560.9
32.5°	1450.6	1610.6	1831.7	2137.0	2481.8	3028.0	3559.3	4388.4	5151.3	6021.9	6933.1
30°	1588.9	1831.7	2176.8	2599.6	3253.0	4078.5	5087.2	6342.8	7700.1	8937.6	10121.4
27.5°	1787.2	2137.0	2599.6	3328.8	4355.3	5532.8	7311.2	9010.7	10761.7	12297.7	13639.2
25°	2018.6	2481.8	3253.0	4355.3	5770.3	7804.8	9924.0	12023.0	13981.0	15717.3	17229.4
22.5°	2320.1	3028.0	4078.5	5532.8	7804.8	10232.8	12680.7	15025.2	17201.2	19169.5	20862.4
20°	2660.3	3559.3	5087.2	7311.2	9924.0	12680.7	15379.3	17971.9	20385.6	22570.6	24430.1
17.5°	3108.6	4388.4	6342.8	9010.7	12023.0	15025.2	17971.9	20803.3	23456.3	25727.5	27670.5
15°	3507.3	5151.3	7700.1	10761.7	13981.0	17201.2	20385.6	23456.3	26172.5	28487.1	30306.6
12.5°	4051.8	6021.9	8937.6	12297.7	15717.3	19169.5	22570.6	25727.5	28487.1	30748.5	32275.2
10°	4560.9	6933.1	10121.4	13639.2	17229.4	20862.4	24430.1	27670.5	30306.6	32275.2	33677.6
7.5°	4963.7	7655.8	11063.6	14711.5	18455.7	22239.7	25854.0	29032.2	31575.4	33413.3	34646.5
5°	5255.1	8179.9	11748.7	15494.0	19354.6	23255.1	26911.8	30040.5	32424.1	34072.4	34948.8
2.5°	5431.5	8497.7	12164.9	15970.6	19903.7	23878.1	27564.6	30667.9	32958.5	34495.0	35148.6
0°	5490.6	8604.2	12304.5	16130.6	20088.4	24088.1	27785.4	30881.0	33141.3	34641.2	35219.0
-2.5°	5431.5	8497.7	12164.9	15970.6	19903.7	23878.1	27564.6	30667.9	32958.5	34495.0	35148.6
-5°	5255.1	8179.9	11748.7	15494.0	19354.6	23255.1	26911.8	30040.5	32424.1	34072.4	34948.8
-7.5°	4963.7	7655.8	11063.6	14711.5	18455.7	22239.7	25854.0	29032.2	31575.4	33413.3	34646.5
-10°	4560.9	6933.1	10121.4	13639.2	17229.4	20862.4	24430.1	27670.5	30306.6	32275.2	33677.6
-12.5°	4051.8	6021.9	8937.6	12297.7	15717.3	19169.5	22570.6	25727.5	28487.1	30748.5	32275.2
-15°	3507.3	5151.3	7700.1	10761.7	13981.0	17201.2	20385.6	23456.3	26172.5	28487.1	30306.6
-17.5°	3108.6	4388.4	6342.8	9010.7	12023.0	15025.2	17971.9	20803.3	23456.3	25727.5	27670.5
-20°	2660.3	3559.3	5087.2	7311.2	9924.0	12680.7	15379.3	17971.9	20385.6	22570.6	24430.1



REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-55

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2320.1	3028.0	4078.5	5532.8	7804.8	10232.8	12680.7	15025.2	17201.2	19169.5	20862.4
-25°	2018.6	2481.8	3253.0	4355.3	5770.3	7804.8	9924.0	12023.0	13981.0	15717.3	17229.4
-27.5°	1787.2	2137.0	2599.6	3328.8	4355.3	5532.8	7311.2	9010.7	10761.7	12297.7	13639.2
-30°	1588.9	1831.7	2176.8	2599.6	3253.0	4078.5	5087.2	6342.8	7700.1	8937.6	10121.4
-32.5°	1450.6	1610.6	1831.7	2137.0	2481.8	3028.0	3559.3	4388.4	5151.3	6021.9	6933.1
-35°	1326.4	1450.6	1588.9	1787.2	2018.6	2320.1	2660.3	3108.6	3507.3	4051.8	4560.9
-37.5°	1231.7	1317.8	1424.7	1539.1	1699.2	1861.9	2083.0	2316.6	2528.4	2846.3	3111.0
-40°	1155.7	1215.0	1292.1	1373.4	1473.9	1569.9	1708.7	1834.0	1967.8	2132.6	2269.5
-42.5°	1091.3	1139.2	1187.9	1249.9	1313.7	1384.6	1463.9	1535.3	1620.3	1708.2	1781.1
-45°	1038.8	1075.1	1112.0	1154.8	1194.8	1246.8	1296.8	1341.7	1397.2	1447.0	1488.3
-47.5°	991.7	1020.2	1051.1	1081.3	1111.8	1146.0	1177.1	1207.2	1243.7	1274.9	1300.7
-50°	946.6	972.3	997.4	1020.9	1045.8	1069.7	1091.5	1113.9	1136.5	1155.8	1171.8
-52.5°	902.0	925.5	947.6	968.6	988.8	1007.4	1024.2	1041.6	1057.3	1070.7	1081.8
-55°	856.8	878.5	898.9	918.0	935.8	952.0	966.9	980.7	992.8	1003.1	1011.6
-57.5°	804.3	828.3	849.7	867.3	883.5	898.4	911.9	923.9	934.4	943.4	950.8
-60°	746.8	770.6	791.3	810.5	828.3	844.5	856.8	867.7	877.2	885.4	892.1
-62.5°	684.1	707.6	727.9	746.8	764.3	779.6	792.9	804.8	815.1	824.0	831.2
-65°	608.5	632.6	655.1	676.1	695.3	709.6	722.6	734.1	744.2	752.7	759.8
-67.5°	534.5	555.3	574.8	593.0	610.0	625.8	640.0	652.7	663.7	673.1	680.8
-70°	457.4	477.0	495.3	512.0	526.7	540.2	552.3	563.1	572.5	580.5	587.1
-72.5°	378.8	395.4	411.0	425.8	439.4	451.9	463.1	473.0	481.7	489.1	495.2
-75°	302.7	315.6	328.7	341.0	352.3	362.5	371.8	380.0	387.2	393.3	398.3
-77.5°	234.6	244.9	254.5	263.4	271.5	279.0	285.7	291.7	296.9	301.3	304.9
-80°	175.2	182.2	188.7	194.8	200.4	205.4	210.0	214.1	217.6	220.6	223.1
-82.5°	123.1	127.4	131.5	135.3	138.8	142.0	144.8	147.3	149.5	151.4	153.0
-85°	75.2	77.9	80.5	82.9	85.1	87.1	88.9	90.5	91.9	93.1	94.1
-87.5°	31.9	32.8	33.7	34.5	35.3	35.9	36.6	37.1	37.6	38.0	38.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	38.6	38.8	38.9	38.9	38.9	38.8	38.6	38.3	38.0	37.6	37.1
85°	94.8	95.4	95.7	95.8	95.7	95.4	94.8	94.1	93.1	91.9	90.5
82.5°	154.2	155.0	155.5	155.7	155.5	155.0	154.2	153.0	151.4	149.5	147.3
80°	225.0	226.4	227.2	227.5	227.2	226.4	225.0	223.1	220.6	217.6	214.1
77.5°	307.8	309.8	311.0	311.4	311.0	309.8	307.8	304.9	301.3	296.9	291.7
75°	402.2	405.0	406.6	407.2	406.6	405.0	402.2	398.3	393.3	387.2	380.0
72.5°	499.9	503.3	505.3	506.0	505.3	503.3	499.9	495.2	489.1	481.7	473.0
70°	592.2	595.9	598.1	598.8	598.1	595.9	592.2	587.1	580.5	572.5	563.1
67.5°	686.8	691.1	693.7	694.6	693.7	691.1	686.8	680.8	673.1	663.7	652.7
65°	765.3	769.2	771.6	772.4	771.6	769.2	765.3	759.8	752.7	744.2	734.1
62.5°	836.9	840.9	843.4	844.2	843.4	840.9	836.9	831.2	824.0	815.1	804.8
60°	897.3	901.1	903.3	904.1	903.3	901.1	897.3	892.1	885.4	877.2	867.7
57.5°	956.5	960.7	963.2	964.0	963.2	960.7	956.5	950.8	943.4	934.4	923.9
55°	1018.3	1023.1	1025.9	1026.9	1025.9	1023.1	1018.3	1011.6	1003.1	992.8	980.7
52.5°	1090.5	1096.7	1100.4	1101.7	1100.4	1096.7	1090.5	1081.8	1070.7	1057.3	1041.6
50°	1184.3	1193.3	1198.7	1200.5	1198.7	1193.3	1184.3	1171.8	1155.8	1136.5	1113.9
47.5°	1320.9	1335.5	1344.3	1347.2	1344.3	1335.5	1320.9	1300.7	1274.9	1243.7	1207.2
45°	1520.7	1544.0	1558.1	1562.8	1558.1	1544.0	1520.7	1488.3	1447.0	1397.2	1341.7
42.5°	1838.4	1879.7	1904.7	1913.0	1904.7	1879.7	1838.4	1781.1	1708.2	1620.3	1535.3
40°	2377.3	2455.1	2502.1	2517.8	2502.1	2455.1	2377.3	2269.5	2132.6	1967.8	1834.0
37.5°	3319.9	3470.8	3562.1	3592.6	3562.1	3470.8	3319.9	3111.0	2846.3	2528.4	2316.6
35°	4963.7	5255.1	5431.5	5490.6	5431.5	5255.1	4963.7	4560.9	4051.8	3507.3	3108.6
32.5°	7655.8	8179.9	8497.7	8604.2	8497.7	8179.9	7655.8	6933.1	6021.9	5151.3	4388.4
30°	11063.6	11748.7	12164.9	12304.5	12164.9	11748.7	11063.6	10121.4	8937.6	7700.1	6342.8
27.5°	14711.5	15494.0	15970.6	16130.6	15970.6	15494.0	14711.5	13639.2	12297.7	10761.7	9010.7
25°	18455.7	19354.6	19903.7	20088.4	19903.7	19354.6	18455.7	17229.4	15717.3	13981.0	12023.0
22.5°	22239.7	23255.1	23878.1	24088.1	23878.1	23255.1	22239.7	20862.4	19169.5	17201.2	15025.2
20°	25854.0	26911.8	27564.6	27785.4	27564.6	26911.8	25854.0	24430.1	22570.6	20385.6	17971.9
17.5°	29032.2	30040.5	30667.9	30881.0	30667.9	30040.5	29032.2	27670.5	25727.5	23456.3	20803.3
15°	31575.4	32424.1	32958.5	33141.3	32958.5	32424.1	31575.4	30306.6	28487.1	26172.5	23456.3
12.5°	33413.3	34072.4	34495.0	34641.2	34495.0	34072.4	33413.3	32275.2	30748.5	28487.1	25727.5
10°	34646.5	34948.8	35148.6	35219.0	35148.6	34948.8	34646.5	33677.6	32275.2	30306.6	27670.5
7.5°	35082.3	35158.3	35090.9	35066.3	35090.9	35158.3	35082.3	34646.5	33413.3	31575.4	29032.2
5°	35158.3	34971.8	34649.7	34521.4	34649.7	34971.8	35158.3	34948.8	34072.4	32424.1	30040.5
2.5°	35090.9	34649.7	34237.2	34036.4	34237.2	34649.7	35090.9	35148.6	34495.0	32958.5	30667.9
0°	35066.3	34521.4	34036.4	33796.9	34036.4	34521.4	35066.3	35219.0	34641.2	33141.3	30881.0
-2.5°	35090.9	34649.7	34237.2	34036.4	34237.2	34649.7	35090.9	35148.6	34495.0	32958.5	30667.9
-5°	35158.3	34971.8	34649.7	34521.4	34649.7	34971.8	35158.3	34948.8	34072.4	32424.1	30040.5
-7.5°	35082.3	35158.3	35090.9	35066.3	35090.9	35158.3	35082.3	34646.5	33413.3	31575.4	29032.2
-10°	34646.5	34948.8	35148.6	35219.0	35148.6	34948.8	34646.5	33677.6	32275.2	30306.6	27670.5
-12.5°	33413.3	34072.4	34495.0	34641.2	34495.0	34072.4	33413.3	32275.2	30748.5	28487.1	25727.5
-15°	31575.4	32424.1	32958.5	33141.3	32958.5	32424.1	31575.4	30306.6	28487.1	26172.5	23456.3
-17.5°	29032.2	30040.5	30667.9	30881.0	30667.9	30040.5	29032.2	27670.5	25727.5	23456.3	20803.3
-20°	25854.0	26911.8	27564.6	27785.4	27564.6	26911.8	25854.0	24430.1	22570.6	20385.6	17971.9



REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-55

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	22239.7	23255.1	23878.1	24088.1	23878.1	23255.1	22239.7	20862.4	19169.5	17201.2	15025.2
-25°	18455.7	19354.6	19903.7	20088.4	19903.7	19354.6	18455.7	17229.4	15717.3	13981.0	12023.0
-27.5°	14711.5	15494.0	15970.6	16130.6	15970.6	15494.0	14711.5	13639.2	12297.7	10761.7	9010.7
-30°	11063.6	11748.7	12164.9	12304.5	12164.9	11748.7	11063.6	10121.4	8937.6	7700.1	6342.8
-32.5°	7655.8	8179.9	8497.7	8604.2	8497.7	8179.9	7655.8	6933.1	6021.9	5151.3	4388.4
-35°	4963.7	5255.1	5431.5	5490.6	5431.5	5255.1	4963.7	4560.9	4051.8	3507.3	3108.6
-37.5°	3319.9	3470.8	3562.1	3592.6	3562.1	3470.8	3319.9	3111.0	2846.3	2528.4	2316.6
-40°	2377.3	2455.1	2502.1	2517.8	2502.1	2455.1	2377.3	2269.5	2132.6	1967.8	1834.0
-42.5°	1838.4	1879.7	1904.7	1913.0	1904.7	1879.7	1838.4	1781.1	1708.2	1620.3	1535.3
-45°	1520.7	1544.0	1558.1	1562.8	1558.1	1544.0	1520.7	1488.3	1447.0	1397.2	1341.7
-47.5°	1320.9	1335.5	1344.3	1347.2	1344.3	1335.5	1320.9	1300.7	1274.9	1243.7	1207.2
-50°	1184.3	1193.3	1198.7	1200.5	1198.7	1193.3	1184.3	1171.8	1155.8	1136.5	1113.9
-52.5°	1090.5	1096.7	1100.4	1101.7	1100.4	1096.7	1090.5	1081.8	1070.7	1057.3	1041.6
-55°	1018.3	1023.1	1025.9	1026.9	1025.9	1023.1	1018.3	1011.6	1003.1	992.8	980.7
-57.5°	956.5	960.7	963.2	964.0	963.2	960.7	956.5	950.8	943.4	934.4	923.9
-60°	897.3	901.1	903.3	904.1	903.3	901.1	897.3	892.1	885.4	877.2	867.7
-62.5°	836.9	840.9	843.4	844.2	843.4	840.9	836.9	831.2	824.0	815.1	804.8
-65°	765.3	769.2	771.6	772.4	771.6	769.2	765.3	759.8	752.7	744.2	734.1
-67.5°	686.8	691.1	693.7	694.6	693.7	691.1	686.8	680.8	673.1	663.7	652.7
-70°	592.2	595.9	598.1	598.8	598.1	595.9	592.2	587.1	580.5	572.5	563.1
-72.5°	499.9	503.3	505.3	506.0	505.3	503.3	499.9	495.2	489.1	481.7	473.0
-75°	402.2	405.0	406.6	407.2	406.6	405.0	402.2	398.3	393.3	387.2	380.0
-77.5°	307.8	309.8	311.0	311.4	311.0	309.8	307.8	304.9	301.3	296.9	291.7
-80°	225.0	226.4	227.2	227.5	227.2	226.4	225.0	223.1	220.6	217.6	214.1
-82.5°	154.2	155.0	155.5	155.7	155.5	155.0	154.2	153.0	151.4	149.5	147.3
-85°	94.8	95.4	95.7	95.8	95.7	95.4	94.8	94.1	93.1	91.9	90.5
-87.5°	38.6	38.8	38.9	38.9	38.9	38.8	38.6	38.3	38.0	37.6	37.1
-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: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	36.6	35.9	35.3	34.5	33.7	32.8	31.9	30.9	29.8	28.7	27.5
85°	88.9	87.1	85.1	82.9	80.5	77.9	75.2	72.2	69.1	65.9	62.4
82.5°	144.8	142.0	138.8	135.3	131.5	127.4	123.1	118.4	113.5	108.3	102.9
80°	210.0	205.4	200.4	194.8	188.7	182.2	175.2	167.7	159.8	152.2	145.0
77.5°	285.7	279.0	271.5	263.4	254.5	244.9	234.6	224.3	214.4	204.0	193.1
75°	371.8	362.5	352.3	341.0	328.7	315.6	302.7	289.6	275.7	261.1	245.8
72.5°	463.1	451.9	439.4	425.8	411.0	395.4	378.8	361.3	342.7	323.2	303.9
70°	552.3	540.2	526.7	512.0	495.3	477.0	457.4	436.6	414.7	392.1	368.7
67.5°	640.0	625.8	610.0	593.0	574.8	555.3	534.5	512.5	488.1	462.1	434.9
65°	722.6	709.6	695.3	676.1	655.1	632.6	608.5	583.6	557.6	530.3	501.6
62.5°	792.9	779.6	764.3	746.8	727.9	707.6	684.1	655.9	626.2	595.2	563.8
60°	856.8	844.5	828.3	810.5	791.3	770.6	746.8	721.7	695.3	661.3	625.8
57.5°	911.9	898.4	883.5	867.3	849.7	828.3	804.3	779.0	750.8	720.6	688.1
55°	966.9	952.0	935.8	918.0	898.9	878.5	856.8	831.8	803.0	772.9	739.0
52.5°	1024.2	1007.4	988.8	968.6	947.6	925.5	902.0	877.2	851.3	820.3	786.7
50°	1091.5	1069.7	1045.8	1020.9	997.4	972.3	946.6	919.9	892.1	863.1	830.8
47.5°	1177.1	1146.0	1111.8	1081.3	1051.1	1020.2	991.7	961.9	932.1	901.1	869.0
45°	1296.8	1246.8	1194.8	1154.8	1112.0	1075.1	1038.8	1004.9	971.5	938.2	904.1
42.5°	1463.9	1384.6	1313.7	1249.9	1187.9	1139.2	1091.3	1050.8	1011.5	974.8	938.2
40°	1708.7	1569.9	1473.9	1373.4	1292.1	1215.0	1155.7	1099.5	1054.8	1011.5	971.5
37.5°	2083.0	1861.9	1699.2	1539.1	1424.7	1317.8	1231.7	1161.2	1099.5	1050.8	1004.9
35°	2660.3	2320.1	2018.6	1787.2	1588.9	1450.6	1326.4	1231.7	1155.7	1091.3	1038.8
32.5°	3559.3	3028.0	2481.8	2137.0	1831.7	1610.6	1450.6	1317.8	1215.0	1139.2	1075.1
30°	5087.2	4078.5	3253.0	2599.6	2176.8	1831.7	1588.9	1424.7	1292.1	1187.9	1112.0
27.5°	7311.2	5532.8	4355.3	3328.8	2599.6	2137.0	1787.2	1539.1	1373.4	1249.9	1154.8
25°	9924.0	7804.8	5770.3	4355.3	3253.0	2481.8	2018.6	1699.2	1473.9	1313.7	1194.8
22.5°	12680.7	10232.8	7804.8	5532.8	4078.5	3028.0	2320.1	1861.9	1569.9	1384.6	1246.8
20°	15379.3	12680.7	9924.0	7311.2	5087.2	3559.3	2660.3	2083.0	1708.7	1463.9	1296.8
17.5°	17971.9	15025.2	12023.0	9010.7	6342.8	4388.4	3108.6	2316.6	1834.0	1535.3	1341.7
15°	20385.6	17201.2	13981.0	10761.7	7700.1	5151.3	3507.3	2528.4	1967.8	1620.3	1397.2
12.5°	22570.6	19169.5	15717.3	12297.7	8937.6	6021.9	4051.8	2846.3	2132.6	1708.2	1447.0
10°	24430.1	20862.4	17229.4	13639.2	10121.4	6933.1	4560.9	3111.0	2269.5	1781.1	1488.3
7.5°	25854.0	22239.7	18455.7	14711.5	11063.6	7655.8	4963.7	3319.9	2377.3	1838.4	1520.7
5°	26911.8	23255.1	19354.6	15494.0	11748.7	8179.9	5255.1	3470.8	2455.1	1879.7	1544.0
2.5°	27564.6	23878.1	19903.7	15970.6	12164.9	8497.7	5431.5	3562.1	2502.1	1904.7	1558.1
0°	27785.4	24088.1	20088.4	16130.6	12304.5	8604.2	5490.6	3592.6	2517.8	1913.0	1562.8
-2.5°	27564.6	23878.1	19903.7	15970.6	12164.9	8497.7	5431.5	3562.1	2502.1	1904.7	1558.1
-5°	26911.8	23255.1	19354.6	15494.0	11748.7	8179.9	5255.1	3470.8	2455.1	1879.7	1544.0
-7.5°	25854.0	22239.7	18455.7	14711.5	11063.6	7655.8	4963.7	3319.9	2377.3	1838.4	1520.7
-10°	24430.1	20862.4	17229.4	13639.2	10121.4	6933.1	4560.9	3111.0	2269.5	1781.1	1488.3
-12.5°	22570.6	19169.5	15717.3	12297.7	8937.6	6021.9	4051.8	2846.3	2132.6	1708.2	1447.0
-15°	20385.6	17201.2	13981.0	10761.7	7700.1	5151.3	3507.3	2528.4	1967.8	1620.3	1397.2
-17.5°	17971.9	15025.2	12023.0	9010.7	6342.8	4388.4	3108.6	2316.6	1834.0	1535.3	1341.7
-20°	15379.3	12680.7	9924.0	7311.2	5087.2	3559.3	2660.3	2083.0	1708.7	1463.9	1296.8



REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-55

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12680.7	10232.8	7804.8	5532.8	4078.5	3028.0	2320.1	1861.9	1569.9	1384.6	1246.8
-25°	9924.0	7804.8	5770.3	4355.3	3253.0	2481.8	2018.6	1699.2	1473.9	1313.7	1194.8
-27.5°	7311.2	5532.8	4355.3	3328.8	2599.6	2137.0	1787.2	1539.1	1373.4	1249.9	1154.8
-30°	5087.2	4078.5	3253.0	2599.6	2176.8	1831.7	1588.9	1424.7	1292.1	1187.9	1112.0
-32.5°	3559.3	3028.0	2481.8	2137.0	1831.7	1610.6	1450.6	1317.8	1215.0	1139.2	1075.1
-35°	2660.3	2320.1	2018.6	1787.2	1588.9	1450.6	1326.4	1231.7	1155.7	1091.3	1038.8
-37.5°	2083.0	1861.9	1699.2	1539.1	1424.7	1317.8	1231.7	1161.2	1099.5	1050.8	1004.9
-40°	1708.7	1569.9	1473.9	1373.4	1292.1	1215.0	1155.7	1099.5	1054.8	1011.5	971.5
-42.5°	1463.9	1384.6	1313.7	1249.9	1187.9	1139.2	1091.3	1050.8	1011.5	974.8	938.2
-45°	1296.8	1246.8	1194.8	1154.8	1112.0	1075.1	1038.8	1004.9	971.5	938.2	904.1
-47.5°	1177.1	1146.0	1111.8	1081.3	1051.1	1020.2	991.7	961.9	932.1	901.1	869.0
-50°	1091.5	1069.7	1045.8	1020.9	997.4	972.3	946.6	919.9	892.1	863.1	830.8
-52.5°	1024.2	1007.4	988.8	968.6	947.6	925.5	902.0	877.2	851.3	820.3	786.7
-55°	966.9	952.0	935.8	918.0	898.9	878.5	856.8	831.8	803.0	772.9	739.0
-57.5°	911.9	898.4	883.5	867.3	849.7	828.3	804.3	779.0	750.8	720.6	688.1
-60°	856.8	844.5	828.3	810.5	791.3	770.6	746.8	721.7	695.3	661.3	625.8
-62.5°	792.9	779.6	764.3	746.8	727.9	707.6	684.1	655.9	626.2	595.2	563.8
-65°	722.6	709.6	695.3	676.1	655.1	632.6	608.5	583.6	557.6	530.3	501.6
-67.5°	640.0	625.8	610.0	593.0	574.8	555.3	534.5	512.5	488.1	462.1	434.9
-70°	552.3	540.2	526.7	512.0	495.3	477.0	457.4	436.6	414.7	392.1	368.7
-72.5°	463.1	451.9	439.4	425.8	411.0	395.4	378.8	361.3	342.7	323.2	303.9
-75°	371.8	362.5	352.3	341.0	328.7	315.6	302.7	289.6	275.7	261.1	245.8
-77.5°	285.7	279.0	271.5	263.4	254.5	244.9	234.6	224.3	214.4	204.0	193.1
-80°	210.0	205.4	200.4	194.8	188.7	182.2	175.2	167.7	159.8	152.2	145.0
-82.5°	144.8	142.0	138.8	135.3	131.5	127.4	123.1	118.4	113.5	108.3	102.9
-85°	88.9	87.1	85.1	82.9	80.5	77.9	75.2	72.2	69.1	65.9	62.4
-87.5°	36.6	35.9	35.3	34.5	33.7	32.8	31.9	30.9	29.8	28.7	27.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	26.3	25.0	23.7	22.3	20.9	19.4	18.0	16.4	14.9	13.3	11.7
85°	58.8	55.1	51.2	47.2	43.1	38.9	35.9	32.8	29.7	26.6	23.4
82.5°	97.2	91.5	85.7	79.7	73.5	67.2	60.6	54.0	47.2	40.2	35.0
80°	137.4	129.6	121.4	113.0	104.3	95.4	86.7	77.8	68.7	59.5	50.1
77.5°	181.8	170.0	157.7	146.9	136.0	124.9	113.4	101.7	90.1	78.6	66.9
75°	229.9	215.3	200.7	185.5	169.9	154.2	140.5	126.5	112.2	97.7	83.6
72.5°	285.3	265.9	245.9	225.5	207.3	188.7	169.5	150.9	134.3	117.4	100.3
70°	344.3	319.1	295.2	271.6	247.3	223.1	201.3	179.0	156.3	137.0	117.4
67.5°	406.6	378.1	348.6	318.3	290.1	262.1	233.5	207.6	182.2	156.3	134.3
65°	470.0	437.3	403.7	370.0	335.3	301.3	269.6	237.2	207.6	179.0	150.9
62.5°	531.1	496.7	459.6	421.3	382.9	343.9	305.0	269.6	233.5	201.3	169.5
60°	589.2	552.3	514.2	473.0	430.3	387.2	343.9	301.3	262.1	223.1	188.7
57.5°	648.0	606.6	565.1	522.7	477.5	430.3	382.9	335.3	290.1	247.3	207.3
55°	703.9	661.4	615.5	569.4	522.7	473.0	421.3	370.0	318.3	271.6	225.5
52.5°	750.1	711.3	665.9	615.5	565.1	514.2	459.6	403.7	348.6	295.2	245.9
50°	793.6	753.9	711.3	661.4	606.6	552.3	496.7	437.3	378.1	319.1	265.9
47.5°	834.3	793.6	750.1	703.9	648.0	589.2	531.1	470.0	406.6	344.3	285.3
45°	869.0	830.8	786.7	739.0	688.1	625.8	563.8	501.6	434.9	368.7	303.9
42.5°	901.1	863.1	820.3	772.9	720.6	661.3	595.2	530.3	462.1	392.1	323.2
40°	932.1	892.1	851.3	803.0	750.8	695.3	626.2	557.6	488.1	414.7	342.7
37.5°	961.9	919.9	877.2	831.8	779.0	721.7	655.9	583.6	512.5	436.6	361.3
35°	991.7	946.6	902.0	856.8	804.3	746.8	684.1	608.5	534.5	457.4	378.8
32.5°	1020.2	972.3	925.5	878.5	828.3	770.6	707.6	632.6	555.3	477.0	395.4
30°	1051.1	997.4	947.6	898.9	849.7	791.3	727.9	655.1	574.8	495.3	411.0
27.5°	1081.3	1020.9	968.6	918.0	867.3	810.5	746.8	676.1	593.0	512.0	425.8
25°	1111.8	1045.8	988.8	935.8	883.5	828.3	764.3	695.3	610.0	526.7	439.4
22.5°	1146.0	1069.7	1007.4	952.0	898.4	844.5	779.6	709.6	625.8	540.2	451.9
20°	1177.1	1091.5	1024.2	966.9	911.9	856.8	792.9	722.6	640.0	552.3	463.1
17.5°	1207.2	1113.9	1041.6	980.7	923.9	867.7	804.8	734.1	652.7	563.1	473.0
15°	1243.7	1136.5	1057.3	992.8	934.4	877.2	815.1	744.2	663.7	572.5	481.7
12.5°	1274.9	1155.8	1070.7	1003.1	943.4	885.4	824.0	752.7	673.1	580.5	489.1
10°	1300.7	1171.8	1081.8	1011.6	950.8	892.1	831.2	759.8	680.8	587.1	495.2
7.5°	1320.9	1184.3	1090.5	1018.3	956.5	897.3	836.9	765.3	686.8	592.2	499.9
5°	1335.5	1193.3	1096.7	1023.1	960.7	901.1	840.9	769.2	691.1	595.9	503.3
2.5°	1344.3	1198.7	1100.4	1025.9	963.2	903.3	843.4	771.6	693.7	598.1	505.3
0°	1347.2	1200.5	1101.7	1026.9	964.0	904.1	844.2	772.4	694.6	598.8	506.0
-2.5°	1344.3	1198.7	1100.4	1025.9	963.2	903.3	843.4	771.6	693.7	598.1	505.3
-5°	1335.5	1193.3	1096.7	1023.1	960.7	901.1	840.9	769.2	691.1	595.9	503.3
-7.5°	1320.9	1184.3	1090.5	1018.3	956.5	897.3	836.9	765.3	686.8	592.2	499.9
-10°	1300.7	1171.8	1081.8	1011.6	950.8	892.1	831.2	759.8	680.8	587.1	495.2
-12.5°	1274.9	1155.8	1070.7	1003.1	943.4	885.4	824.0	752.7	673.1	580.5	489.1
-15°	1243.7	1136.5	1057.3	992.8	934.4	877.2	815.1	744.2	663.7	572.5	481.7
-17.5°	1207.2	1113.9	1041.6	980.7	923.9	867.7	804.8	734.1	652.7	563.1	473.0
-20°	1177.1	1091.5	1024.2	966.9	911.9	856.8	792.9	722.6	640.0	552.3	463.1

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

Scaled Data Report



REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-55

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1146.0	1069.7	1007.4	952.0	898.4	844.5	779.6	709.6	625.8	540.2	451.9
-25°	1111.8	1045.8	988.8	935.8	883.5	828.3	764.3	695.3	610.0	526.7	439.4
-27.5°	1081.3	1020.9	968.6	918.0	867.3	810.5	746.8	676.1	593.0	512.0	425.8
-30°	1051.1	997.4	947.6	898.9	849.7	791.3	727.9	655.1	574.8	495.3	411.0
-32.5°	1020.2	972.3	925.5	878.5	828.3	770.6	707.6	632.6	555.3	477.0	395.4
-35°	991.7	946.6	902.0	856.8	804.3	746.8	684.1	608.5	534.5	457.4	378.8
-37.5°	961.9	919.9	877.2	831.8	779.0	721.7	655.9	583.6	512.5	436.6	361.3
-40°	932.1	892.1	851.3	803.0	750.8	695.3	626.2	557.6	488.1	414.7	342.7
-42.5°	901.1	863.1	820.3	772.9	720.6	661.3	595.2	530.3	462.1	392.1	323.2
-45°	869.0	830.8	786.7	739.0	688.1	625.8	563.8	501.6	434.9	368.7	303.9
-47.5°	834.3	793.6	750.1	703.9	648.0	589.2	531.1	470.0	406.6	344.3	285.3
-50°	793.6	753.9	711.3	661.4	606.6	552.3	496.7	437.3	378.1	319.1	265.9
-52.5°	750.1	711.3	665.9	615.5	565.1	514.2	459.6	403.7	348.6	295.2	245.9
-55°	703.9	661.4	615.5	569.4	522.7	473.0	421.3	370.0	318.3	271.6	225.5
-57.5°	648.0	606.6	565.1	522.7	477.5	430.3	382.9	335.3	290.1	247.3	207.3
-60°	589.2	552.3	514.2	473.0	430.3	387.2	343.9	301.3	262.1	223.1	188.7
-62.5°	531.1	496.7	459.6	421.3	382.9	343.9	305.0	269.6	233.5	201.3	169.5
-65°	470.0	437.3	403.7	370.0	335.3	301.3	269.6	237.2	207.6	179.0	150.9
-67.5°	406.6	378.1	348.6	318.3	290.1	262.1	233.5	207.6	182.2	156.3	134.3
-70°	344.3	319.1	295.2	271.6	247.3	223.1	201.3	179.0	156.3	137.0	117.4
-72.5°	285.3	265.9	245.9	225.5	207.3	188.7	169.5	150.9	134.3	117.4	100.3
-75°	229.9	215.3	200.7	185.5	169.9	154.2	140.5	126.5	112.2	97.7	83.6
-77.5°	181.8	170.0	157.7	146.9	136.0	124.9	113.4	101.7	90.1	78.6	66.9
-80°	137.4	129.6	121.4	113.0	104.3	95.4	86.7	77.8	68.7	59.5	50.1
-82.5°	97.2	91.5	85.7	79.7	73.5	67.2	60.6	54.0	47.2	40.2	35.0
-85°	58.8	55.1	51.2	47.2	43.1	38.9	35.9	32.8	29.7	26.6	23.4
-87.5°	26.3	25.0	23.7	22.3	20.9	19.4	18.0	16.4	14.9	13.3	11.7
-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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REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	10.1	8.4	6.8	5.1	3.4	1.7	0.0
85°	20.1	16.8	13.5	10.1	6.8	3.4	0.0
82.5°	30.1	25.2	20.2	15.2	10.1	5.1	0.0
80°	40.6	33.5	26.9	20.2	13.5	6.8	0.0
77.5°	55.1	43.1	33.5	25.2	16.8	8.4	0.0
75°	69.4	55.1	40.6	30.1	20.1	10.1	0.0
72.5°	83.6	66.9	50.1	35.0	23.4	11.7	0.0
70°	97.7	78.6	59.5	40.2	26.6	13.3	0.0
67.5°	112.2	90.1	68.7	47.2	29.7	14.9	0.0
65°	126.5	101.7	77.8	54.0	32.8	16.4	0.0
62.5°	140.5	113.4	86.7	60.6	35.9	18.0	0.0
60°	154.2	124.9	95.4	67.2	38.9	19.4	0.0
57.5°	169.9	136.0	104.3	73.5	43.1	20.9	0.0
55°	185.5	146.9	113.0	79.7	47.2	22.3	0.0
52.5°	200.7	157.7	121.4	85.7	51.2	23.7	0.0
50°	215.3	170.0	129.6	91.5	55.1	25.0	0.0
47.5°	229.9	181.8	137.4	97.2	58.8	26.3	0.0
45°	245.8	193.1	145.0	102.9	62.4	27.5	0.0
42.5°	261.1	204.0	152.2	108.3	65.9	28.7	0.0
40°	275.7	214.4	159.8	113.5	69.1	29.8	0.0
37.5°	289.6	224.3	167.7	118.4	72.2	30.9	0.0
35°	302.7	234.6	175.2	123.1	75.2	31.9	0.0
32.5°	315.6	244.9	182.2	127.4	77.9	32.8	0.0
30°	328.7	254.5	188.7	131.5	80.5	33.7	0.0
27.5°	341.0	263.4	194.8	135.3	82.9	34.5	0.0
25°	352.3	271.5	200.4	138.8	85.1	35.3	0.0
22.5°	362.5	279.0	205.4	142.0	87.1	35.9	0.0
20°	371.8	285.7	210.0	144.8	88.9	36.6	0.0
17.5°	380.0	291.7	214.1	147.3	90.5	37.1	0.0
15°	387.2	296.9	217.6	149.5	91.9	37.6	0.0
12.5°	393.3	301.3	220.6	151.4	93.1	38.0	0.0
10°	398.3	304.9	223.1	153.0	94.1	38.3	0.0
7.5°	402.2	307.8	225.0	154.2	94.8	38.6	0.0
5°	405.0	309.8	226.4	155.0	95.4	38.8	0.0
2.5°	406.6	311.0	227.2	155.5	95.7	38.9	0.0
0°	407.2	311.4	227.5	155.7	95.8	38.9	0.0
-2.5°	406.6	311.0	227.2	155.5	95.7	38.9	0.0
-5°	405.0	309.8	226.4	155.0	95.4	38.8	0.0
-7.5°	402.2	307.8	225.0	154.2	94.8	38.6	0.0
-10°	398.3	304.9	223.1	153.0	94.1	38.3	0.0
-12.5°	393.3	301.3	220.6	151.4	93.1	38.0	0.0
-15°	387.2	296.9	217.6	149.5	91.9	37.6	0.0
-17.5°	380.0	291.7	214.1	147.3	90.5	37.1	0.0
-20°	371.8	285.7	210.0	144.8	88.9	36.6	0.0

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Scaled Data Report



REPORT NUMBER: P624766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-55

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	362.5	279.0	205.4	142.0	87.1	35.9	0.0
-25°	352.3	271.5	200.4	138.8	85.1	35.3	0.0
-27.5°	341.0	263.4	194.8	135.3	82.9	34.5	0.0
-30°	328.7	254.5	188.7	131.5	80.5	33.7	0.0
-32.5°	315.6	244.9	182.2	127.4	77.9	32.8	0.0
-35°	302.7	234.6	175.2	123.1	75.2	31.9	0.0
-37.5°	289.6	224.3	167.7	118.4	72.2	30.9	0.0
-40°	275.7	214.4	159.8	113.5	69.1	29.8	0.0
-42.5°	261.1	204.0	152.2	108.3	65.9	28.7	0.0
-45°	245.8	193.1	145.0	102.9	62.4	27.5	0.0
-47.5°	229.9	181.8	137.4	97.2	58.8	26.3	0.0
-50°	215.3	170.0	129.6	91.5	55.1	25.0	0.0
-52.5°	200.7	157.7	121.4	85.7	51.2	23.7	0.0
-55°	185.5	146.9	113.0	79.7	47.2	22.3	0.0
-57.5°	169.9	136.0	104.3	73.5	43.1	20.9	0.0
-60°	154.2	124.9	95.4	67.2	38.9	19.4	0.0
-62.5°	140.5	113.4	86.7	60.6	35.9	18.0	0.0
-65°	126.5	101.7	77.8	54.0	32.8	16.4	0.0
-67.5°	112.2	90.1	68.7	47.2	29.7	14.9	0.0
-70°	97.7	78.6	59.5	40.2	26.6	13.3	0.0
-72.5°	83.6	66.9	50.1	35.0	23.4	11.7	0.0
-75°	69.4	55.1	40.6	30.1	20.1	10.1	0.0
-77.5°	55.1	43.1	33.5	25.2	16.8	8.4	0.0
-80°	40.6	33.5	26.9	20.2	13.5	6.8	0.0
-82.5°	30.1	25.2	20.2	15.2	10.1	5.1	0.0
-85°	20.1	16.8	13.5	10.1	6.8	3.4	0.0
-87.5°	10.1	8.4	6.8	5.1	3.4	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)