

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: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-3000K-66**

Issue Date: 11/8/2022



**Test Information**

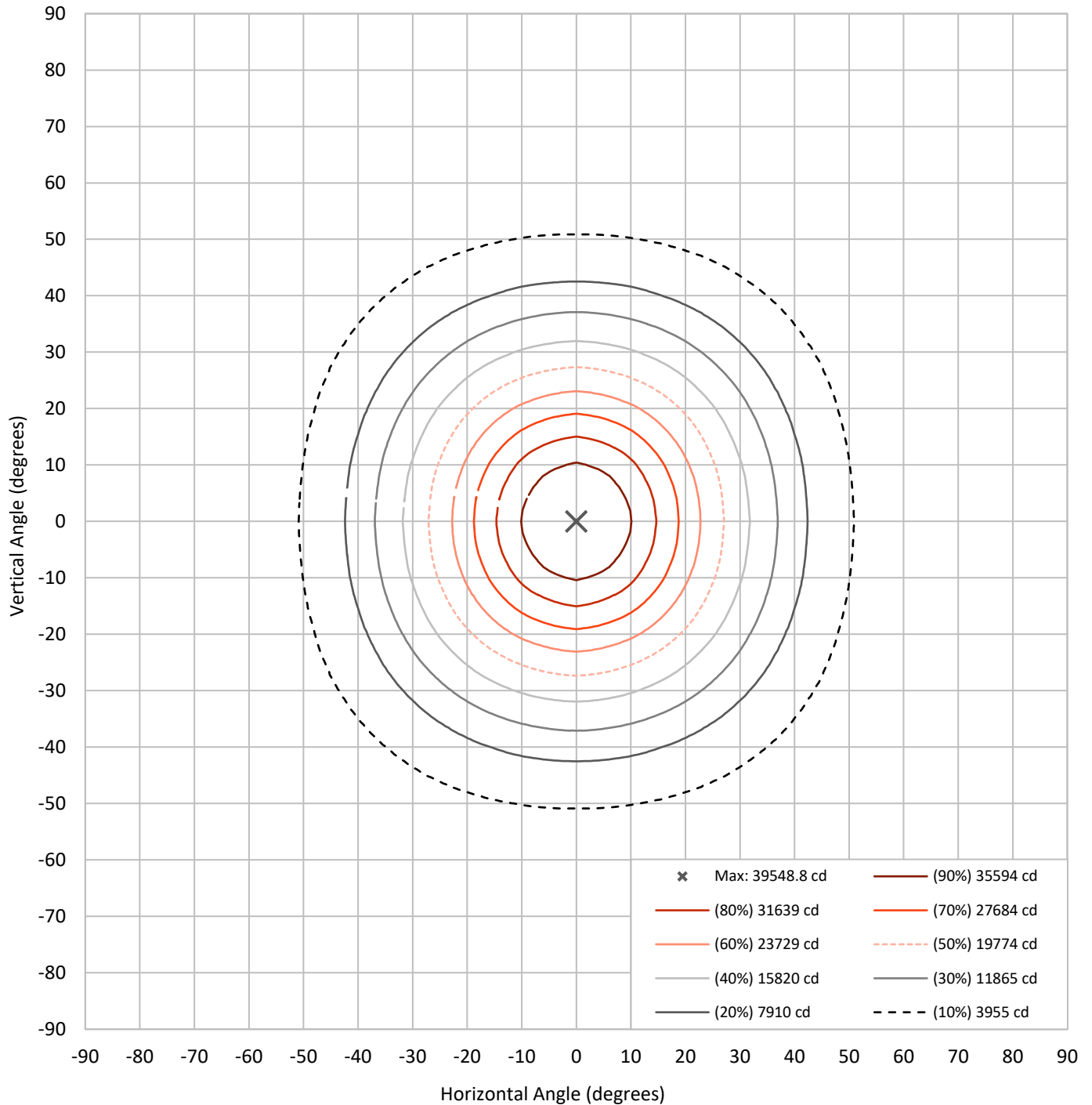
Test Method: LM-79-08  
Report Number: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-08-E-PRO-3000K-66  
Description: EPHESUS LUMAVISION CCT TUNING FLOOD  
3000K AND TYPE 66 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	41009.1 lumens	Max Intensity:	39548.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.4 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	19720.7 lumens	Field Lumens:	35990.1 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	327		
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





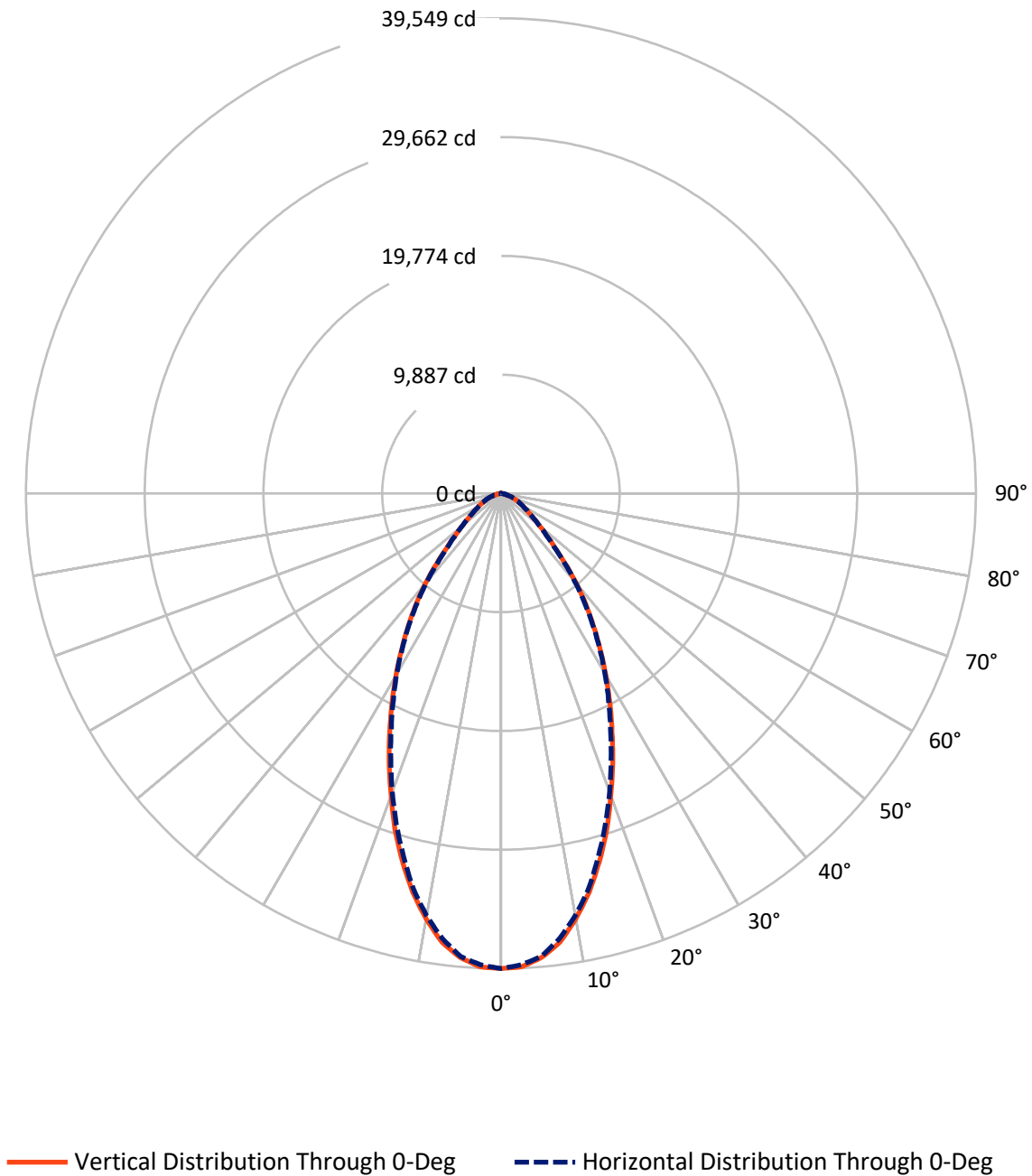
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### Lumen Table

90																			
80	2.9	17.6	35.4	53.9	46.1	53.9	35.4	17.6	2.9										
70																			
60	7.2	7.7	13.6	20.8	29.1	37.2	43.4	46.4	46.4	43.4	37.2	29.1	20.8	13.6	7.7	7.2			
50		10.2	19.4	31.9	47.8	65.1	80.7	90.0	90.0	80.7	65.1	47.8	31.9	19.4	10.2				
40	9.7	12.8	26.0	47.0	77.9	119.5	164.4	194.9	194.9	164.4	119.5	77.9	47.0	26.0	12.8	9.7			
30		15.2	33.6	67.6	129.7	229.3	333.5	397.9	397.9	333.5	229.3	129.7	67.6	33.6	15.2				
20	11.2	17.5	41.3	93.7	207.5	374.5	538.0	645.6	645.6	538.0	374.5	207.5	93.7	41.3	17.5	11.2			
10		19.3	48.2	120.5	282.6	504.3	746.6	922.0	922.0	746.6	504.3	282.6	120.5	48.2	19.3				
0	11.7	20.2	52.3	138.1	325.9	584.8	890.7	1119.5	1119.5	890.7	584.8	325.9	138.1	52.3	20.2	11.7			
-10		20.2	52.3	138.1	325.9	584.8	890.7	1119.5	1119.5	890.7	584.8	325.9	138.1	52.3	20.2				
-20	11.2	19.3	48.2	120.5	282.6	504.3	746.6	922.0	922.0	746.6	504.3	282.6	120.5	48.2	19.3	11.2			
-30		17.5	41.3	93.7	207.5	374.5	538.0	645.6	645.6	538.0	374.5	207.5	93.7	41.3	17.5				
-40	9.7	15.2	33.6	67.6	129.7	229.3	333.5	397.9	397.9	333.5	229.3	129.7	67.6	33.6	15.2	9.7			
-50		12.8	26.0	47.0	77.9	119.5	164.4	194.9	194.9	164.4	119.5	77.9	47.0	26.0	12.8				
-60	7.2	10.2	19.4	31.9	47.8	65.1	80.7	90.0	90.0	80.7	65.1	47.8	31.9	19.4	10.2	7.2			
-70		7.7	13.6	20.8	29.1	37.2	43.4	46.4	46.4	43.4	37.2	29.1	20.8	13.6	7.7				
-80	2.9	17.6	35.4	53.9	46.1	53.9	35.4	17.6	2.9										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

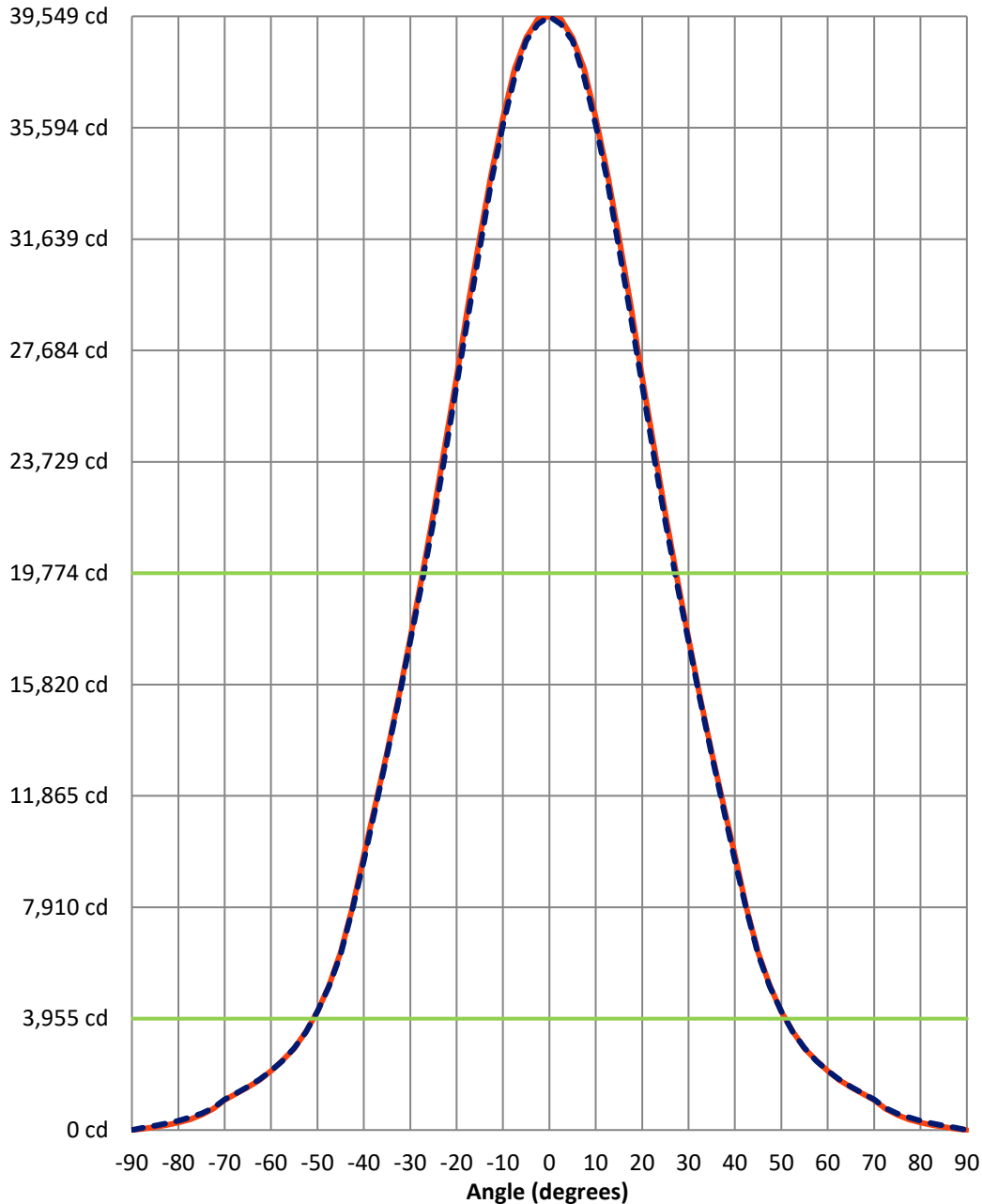
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 54.2°  
 V Angle: 54.7°  
 Lumens: 19720.7  
 Efficiency: 48.1%

**Field:**  
 H Angle: 101.7°  
 V Angle: 101.8°  
 Lumens: 35990.1  
 Efficiency: 87.8%

**Spill:**  
 Lumens: 5019  
 Efficiency: 12.2%

- 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	4.1	9.2	15.8	23.8	33.0	43.6	49.7	55.5	60.9	65.9
85°	0.0	8.3	18.3	31.6	47.4	65.9	87.0	99.4	110.9	121.7	131.7
82.5°	0.0	12.4	27.4	47.2	70.9	98.5	130.0	149.0	165.9	180.4	194.1
80°	0.0	16.4	36.4	62.6	94.0	130.6	171.8	195.3	216.1	235.8	254.5
77.5°	0.0	20.5	45.4	77.8	116.8	160.6	208.8	239.8	266.0	291.0	317.6
75°	0.0	24.4	54.1	92.6	138.2	186.7	244.8	284.0	315.6	349.2	389.1
72.5°	0.0	28.4	62.7	107.1	155.4	211.9	279.4	326.3	363.0	407.2	458.7
70°	0.0	32.2	71.2	120.4	172.0	236.0	311.5	363.0	408.9	463.0	506.9
67.5°	0.0	36.0	79.4	130.3	187.7	258.9	335.9	398.3	452.8	501.8	549.5
65°	0.0	39.7	87.3	139.6	202.4	278.7	359.0	432.1	487.1	540.0	593.3
62.5°	0.0	43.2	95.0	148.3	216.3	295.7	380.8	462.5	520.7	578.5	640.6
60°	0.0	46.7	102.5	156.5	229.0	311.6	401.2	491.5	553.5	620.2	686.8
57.5°	0.0	50.1	107.4	163.9	240.1	326.3	420.1	518.1	588.8	660.8	734.1
55°	0.0	53.3	112.1	170.7	250.4	339.9	437.7	539.1	623.9	701.1	781.4
52.5°	0.0	56.4	116.6	176.8	259.7	352.4	454.0	561.2	657.8	743.3	827.9
50°	0.0	59.4	120.9	182.1	268.2	364.7	469.0	581.9	691.9	784.7	879.2
47.5°	0.0	62.2	125.0	186.8	275.7	375.8	482.9	600.6	727.8	824.9	929.8
45°	0.0	64.9	128.8	191.7	282.3	385.8	497.0	617.4	753.0	869.0	978.9
42.5°	0.0	67.4	132.5	195.9	287.8	394.6	509.6	635.4	776.3	911.7	1027.3
40°	0.0	69.8	135.9	201.2	293.2	402.2	520.5	654.1	799.7	951.4	1073.4
37.5°	0.0	72.0	139.1	206.9	298.4	408.6	529.6	671.3	825.0	981.2	1117.1
35°	0.0	74.0	142.1	212.2	302.7	414.6	537.1	686.9	849.1	1012.7	1161.2
32.5°	0.0	75.9	144.8	217.1	306.0	419.7	544.6	700.8	871.9	1045.7	1206.4
30°	0.0	77.6	147.2	221.4	308.5	423.5	554.5	714.2	893.3	1079.9	1249.4
27.5°	0.0	79.1	149.4	225.3	314.3	425.9	562.8	729.8	915.6	1114.9	1290.1
25°	0.0	80.4	151.4	228.7	319.7	426.9	569.4	743.6	941.2	1148.4	1328.6
22.5°	0.0	81.6	153.1	231.7	324.2	428.9	574.3	755.6	966.2	1178.8	1367.7
20°	0.0	82.6	154.5	234.1	328.0	435.2	577.6	765.6	990.1	1206.5	1402.9
17.5°	0.0	83.4	155.6	236.0	330.9	440.5	583.6	773.6	1012.5	1231.4	1434.0
15°	0.0	84.1	156.5	237.5	332.9	445.1	590.2	781.1	1033.1	1253.2	1461.0
12.5°	0.0	84.5	157.1	238.4	334.2	448.6	594.5	788.1	1051.5	1271.9	1483.7
10°	0.0	84.8	157.4	238.9	334.6	451.2	596.6	792.1	1066.6	1286.2	1502.4
7.5°	0.0	84.9	157.4	238.9	334.3	452.8	596.7	793.2	1078.0	1296.8	1517.7
5°	0.0	84.9	157.2	238.4	333.2	453.3	594.9	791.5	1085.5	1303.8	1528.9
2.5°	0.0	84.7	156.7	237.4	331.3	452.7	591.2	786.9	1088.6	1307.0	1535.8
0°	0.0	84.3	155.9	236.0	328.7	450.9	585.8	779.6	1087.2	1306.4	1538.1
-2.5°	0.0	84.7	156.7	237.4	331.3	452.7	591.2	786.9	1088.6	1307.0	1535.8
-5°	0.0	84.9	157.2	238.4	333.2	453.3	594.9	791.5	1085.5	1303.8	1528.9
-7.5°	0.0	84.9	157.4	238.9	334.3	452.8	596.7	793.2	1078.0	1296.8	1517.7
-10°	0.0	84.8	157.4	238.9	334.6	451.2	596.6	792.1	1066.6	1286.2	1502.4
-12.5°	0.0	84.5	157.1	238.4	334.2	448.6	594.5	788.1	1051.5	1271.9	1483.7
-15°	0.0	84.1	156.5	237.5	332.9	445.1	590.2	781.1	1033.1	1253.2	1461.0
-17.5°	0.0	83.4	155.6	236.0	330.9	440.5	583.6	773.6	1012.5	1231.4	1434.0
-20°	0.0	82.6	154.5	234.1	328.0	435.2	577.6	765.6	990.1	1206.5	1402.9

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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	81.6	153.1	231.7	324.2	428.9	574.3	755.6	966.2	1178.8	1367.7
-25°	0.0	80.4	151.4	228.7	319.7	426.9	569.4	743.6	941.2	1148.4	1328.6
-27.5°	0.0	79.1	149.4	225.3	314.3	425.9	562.8	729.8	915.6	1114.9	1290.1
-30°	0.0	77.6	147.2	221.4	308.5	423.5	554.5	714.2	893.3	1079.9	1249.4
-32.5°	0.0	75.9	144.8	217.1	306.0	419.7	544.6	700.8	871.9	1045.7	1206.4
-35°	0.0	74.0	142.1	212.2	302.7	414.6	537.1	686.9	849.1	1012.7	1161.2
-37.5°	0.0	72.0	139.1	206.9	298.4	408.6	529.6	671.3	825.0	981.2	1117.1
-40°	0.0	69.8	135.9	201.2	293.2	402.2	520.5	654.1	799.7	951.4	1073.4
-42.5°	0.0	67.4	132.5	195.9	287.8	394.6	509.6	635.4	776.3	911.7	1027.3
-45°	0.0	64.9	128.8	191.7	282.3	385.8	497.0	617.4	753.0	869.0	978.9
-47.5°	0.0	62.2	125.0	186.8	275.7	375.8	482.9	600.6	727.8	824.9	929.8
-50°	0.0	59.4	120.9	182.1	268.2	364.7	469.0	581.9	691.9	784.7	879.2
-52.5°	0.0	56.4	116.6	176.8	259.7	352.4	454.0	561.2	657.8	743.3	827.9
-55°	0.0	53.3	112.1	170.7	250.4	339.9	437.7	539.1	623.9	701.1	781.4
-57.5°	0.0	50.1	107.4	163.9	240.1	326.3	420.1	518.1	588.8	660.8	734.1
-60°	0.0	46.7	102.5	156.5	229.0	311.6	401.2	491.5	553.5	620.2	686.8
-62.5°	0.0	43.2	95.0	148.3	216.3	295.7	380.8	462.5	520.7	578.5	640.6
-65°	0.0	39.7	87.3	139.6	202.4	278.7	359.0	432.1	487.1	540.0	593.3
-67.5°	0.0	36.0	79.4	130.3	187.7	258.9	335.9	398.3	452.8	501.8	549.5
-70°	0.0	32.2	71.2	120.4	172.0	236.0	311.5	363.0	408.9	463.0	506.9
-72.5°	0.0	28.4	62.7	107.1	155.4	211.9	279.4	326.3	363.0	407.2	458.7
-75°	0.0	24.4	54.1	92.6	138.2	186.7	244.8	284.0	315.6	349.2	389.1
-77.5°	0.0	20.5	45.4	77.8	116.8	160.6	208.8	239.8	266.0	291.0	317.6
-80°	0.0	16.4	36.4	62.6	94.0	130.6	171.8	195.3	216.1	235.8	254.5
-82.5°	0.0	12.4	27.4	47.2	70.9	98.5	130.0	149.0	165.9	180.4	194.1
-85°	0.0	8.3	18.3	31.6	47.4	65.9	87.0	99.4	110.9	121.7	131.7
-87.5°	0.0	4.1	9.2	15.8	23.8	33.0	43.6	49.7	55.5	60.9	65.9
-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°	70.5	74.8	78.7	82.2	80.2	77.3	73.4	68.6	76.8	85.5	94.4
85°	141.0	149.6	156.4	162.5	158.7	153.1	146.0	137.6	154.2	172.7	192.0
82.5°	206.6	218.0	228.3	237.5	234.0	227.2	218.3	206.9	230.0	258.0	287.1
80°	271.2	286.5	302.9	316.4	314.0	305.0	292.1	275.3	301.7	340.8	380.0
77.5°	344.5	366.7	385.0	399.5	397.3	389.9	382.3	374.4	403.4	443.9	481.3
75°	422.6	447.5	463.3	480.8	487.6	486.5	485.9	493.7	528.7	573.9	613.3
72.5°	489.9	509.8	533.2	559.9	575.7	587.0	606.3	633.0	666.7	702.8	735.7
70°	541.7	569.5	600.6	631.1	657.9	684.6	714.1	745.3	780.1	817.8	853.2
67.5°	593.1	630.2	666.3	701.8	738.2	773.9	811.9	851.7	889.3	931.2	973.1
65°	648.5	690.4	732.7	775.2	817.1	866.2	913.1	956.8	1003.6	1055.8	1105.2
62.5°	701.9	751.5	799.7	850.9	907.9	962.8	1016.7	1071.9	1127.6	1191.3	1253.1
60°	754.4	812.1	870.8	934.3	997.9	1060.1	1122.0	1193.6	1266.6	1337.4	1413.1
57.5°	806.5	876.4	945.9	1016.6	1087.1	1158.0	1242.1	1324.3	1412.4	1500.1	1585.9
55°	860.7	943.4	1020.7	1099.3	1180.8	1272.0	1365.7	1465.5	1563.9	1678.0	1784.3
52.5°	919.0	1008.5	1096.4	1185.3	1283.8	1387.6	1496.7	1614.2	1741.7	1869.1	2002.0
50°	975.9	1074.8	1172.4	1277.4	1389.0	1508.0	1638.9	1779.7	1929.4	2079.7	2241.0
47.5°	1033.5	1138.8	1254.0	1369.6	1498.8	1639.8	1791.9	1960.0	2127.6	2319.3	2506.9
45°	1089.6	1206.8	1330.7	1468.8	1615.0	1779.0	1958.8	2144.9	2359.5	2575.7	2812.4
42.5°	1143.1	1274.7	1415.5	1565.1	1740.2	1926.4	2125.2	2359.7	2601.2	2863.8	3152.3
40°	1201.7	1340.2	1499.0	1675.1	1865.1	2074.9	2317.2	2576.8	2867.8	3187.1	3523.2
37.5°	1258.7	1413.5	1582.7	1778.6	1996.3	2236.1	2505.6	2819.8	3160.2	3526.6	3970.4
35°	1312.9	1482.9	1672.5	1884.4	2118.0	2404.8	2722.6	3071.3	3467.9	3931.4	4450.8
32.5°	1369.2	1548.5	1756.4	1990.4	2259.9	2573.6	2933.6	3347.7	3815.8	4344.4	4993.0
30°	1425.0	1619.2	1838.1	2089.5	2394.2	2751.5	3165.1	3624.7	4164.4	4832.6	5603.9
27.5°	1476.9	1685.0	1922.6	2197.9	2523.7	2915.3	3384.5	3929.8	4567.6	5322.9	6223.8
25°	1524.6	1746.0	2000.2	2302.3	2662.9	3093.1	3602.2	4205.7	4969.6	5860.5	6932.5
22.5°	1571.5	1801.9	2073.2	2396.0	2788.2	3265.4	3837.7	4525.8	5364.8	6357.5	7617.9
20°	1616.9	1861.9	2148.1	2488.8	2900.9	3421.2	4052.2	4822.9	5774.7	6945.6	8343.3
17.5°	1657.1	1915.3	2220.4	2586.8	3032.0	3581.2	4252.8	5083.3	6145.9	7485.3	9044.1
15°	1692.0	1962.0	2283.5	2672.7	3151.1	3741.5	4468.0	5374.1	6537.4	7994.5	9651.7
12.5°	1721.5	2001.7	2337.1	2746.1	3252.4	3876.5	4652.4	5635.6	6913.8	8476.4	10177.7
10°	1745.5	2034.2	2381.0	2806.6	3335.6	3985.9	4804.1	5846.8	7221.3	8864.4	10614.3
7.5°	1766.1	2061.2	2415.3	2853.9	3400.2	4069.5	4921.9	6007.2	7459.3	9168.2	10953.6
5°	1781.5	2082.6	2440.8	2888.3	3444.2	4134.4	5008.5	6116.7	7625.8	9384.3	11192.4
2.5°	1791.2	2096.5	2456.0	2909.2	3467.8	4186.7	5073.8	6201.5	7750.8	9518.0	11354.4
0°	1795.2	2102.8	2461.0	2916.1	3472.4	4214.0	5103.2	6236.8	7808.6	9561.7	11436.9
-2.5°	1791.2	2096.5	2456.0	2909.2	3467.8	4186.7	5073.8	6201.5	7750.8	9518.0	11354.4
-5°	1781.5	2082.6	2440.8	2888.3	3444.2	4134.4	5008.5	6116.7	7625.8	9384.3	11192.4
-7.5°	1766.1	2061.2	2415.3	2853.9	3400.2	4069.5	4921.9	6007.2	7459.3	9168.2	10953.6
-10°	1745.5	2034.2	2381.0	2806.6	3335.6	3985.9	4804.1	5846.8	7221.3	8864.4	10614.3
-12.5°	1721.5	2001.7	2337.1	2746.1	3252.4	3876.5	4652.4	5635.6	6913.8	8476.4	10177.7
-15°	1692.0	1962.0	2283.5	2672.7	3151.1	3741.5	4468.0	5374.1	6537.4	7994.5	9651.7
-17.5°	1657.1	1915.3	2220.4	2586.8	3032.0	3581.2	4252.8	5083.3	6145.9	7485.3	9044.1
-20°	1616.9	1861.9	2148.1	2488.8	2900.9	3421.2	4052.2	4822.9	5774.7	6945.6	8343.3

Classified

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

Scaled Data Report



REPORT NUMBER: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1571.5	1801.9	2073.2	2396.0	2788.2	3265.4	3837.7	4525.8	5364.8	6357.5	7617.9
-25°	1524.6	1746.0	2000.2	2302.3	2662.9	3093.1	3602.2	4205.7	4969.6	5860.5	6932.5
-27.5°	1476.9	1685.0	1922.6	2197.9	2523.7	2915.3	3384.5	3929.8	4567.6	5322.9	6223.8
-30°	1425.0	1619.2	1838.1	2089.5	2394.2	2751.5	3165.1	3624.7	4164.4	4832.6	5603.9
-32.5°	1369.2	1548.5	1756.4	1990.4	2259.9	2573.6	2933.6	3347.7	3815.8	4344.4	4993.0
-35°	1312.9	1482.9	1672.5	1884.4	2118.0	2404.8	2722.6	3071.3	3467.9	3931.4	4450.8
-37.5°	1258.7	1413.5	1582.7	1778.6	1996.3	2236.1	2505.6	2819.8	3160.2	3526.6	3970.4
-40°	1201.7	1340.2	1499.0	1675.1	1865.1	2074.9	2317.2	2576.8	2867.8	3187.1	3523.2
-42.5°	1143.1	1274.7	1415.5	1565.1	1740.2	1926.4	2125.2	2359.7	2601.2	2863.8	3152.3
-45°	1089.6	1206.8	1330.7	1468.8	1615.0	1779.0	1958.8	2144.9	2359.5	2575.7	2812.4
-47.5°	1033.5	1138.8	1254.0	1369.6	1498.8	1639.8	1791.9	1960.0	2127.6	2319.3	2506.9
-50°	975.9	1074.8	1172.4	1277.4	1389.0	1508.0	1638.9	1779.7	1929.4	2079.7	2241.0
-52.5°	919.0	1008.5	1096.4	1185.3	1283.8	1387.6	1496.7	1614.2	1741.7	1869.1	2002.0
-55°	860.7	943.4	1020.7	1099.3	1180.8	1272.0	1365.7	1465.5	1563.9	1678.0	1784.3
-57.5°	806.5	876.4	945.9	1016.6	1087.1	1158.0	1242.1	1324.3	1412.4	1500.1	1585.9
-60°	754.4	812.1	870.8	934.3	997.9	1060.1	1122.0	1193.6	1266.6	1337.4	1413.1
-62.5°	701.9	751.5	799.7	850.9	907.9	962.8	1016.7	1071.9	1127.6	1191.3	1253.1
-65°	648.5	690.4	732.7	775.2	817.1	866.2	913.1	956.8	1003.6	1055.8	1105.2
-67.5°	593.1	630.2	666.3	701.8	738.2	773.9	811.9	851.7	889.3	931.2	973.1
-70°	541.7	569.5	600.6	631.1	657.9	684.6	714.1	745.3	780.1	817.8	853.2
-72.5°	489.9	509.8	533.2	559.9	575.7	587.0	606.3	633.0	666.7	702.8	735.7
-75°	422.6	447.5	463.3	480.8	487.6	486.5	485.9	493.7	528.7	573.9	613.3
-77.5°	344.5	366.7	385.0	399.5	397.3	389.9	382.3	374.4	403.4	443.9	481.3
-80°	271.2	286.5	302.9	316.4	314.0	305.0	292.1	275.3	301.7	340.8	380.0
-82.5°	206.6	218.0	228.3	237.5	234.0	227.2	218.3	206.9	230.0	258.0	287.1
-85°	141.0	149.6	156.4	162.5	158.7	153.1	146.0	137.6	154.2	172.7	192.0
-87.5°	70.5	74.8	78.7	82.2	80.2	77.3	73.4	68.6	76.8	85.5	94.4
-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: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**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°	103.5	104.0	104.0	103.8	103.2	105.1	106.9	108.5	109.9	97.8	85.1
85°	211.9	213.8	214.3	214.1	213.2	214.7	215.7	216.1	215.9	193.8	170.5
82.5°	316.9	327.9	337.8	348.5	359.8	358.6	354.5	348.7	341.2	307.3	270.6
80°	417.0	436.2	450.9	464.3	476.5	473.3	467.3	460.7	453.3	414.6	371.6
77.5°	518.8	542.8	560.1	574.9	587.2	588.9	587.3	584.7	580.9	542.2	496.5
75°	647.1	669.5	686.4	703.2	719.7	728.4	732.4	734.6	735.0	700.4	655.7
72.5°	765.5	791.6	816.6	841.1	863.7	878.4	888.3	897.4	905.5	888.4	862.0
70°	887.2	919.6	949.6	978.5	1007.0	1030.1	1046.6	1060.2	1071.1	1074.6	1076.4
67.5°	1015.6	1054.9	1092.3	1127.6	1162.5	1192.4	1214.9	1235.1	1252.9	1266.4	1275.4
65°	1153.9	1203.4	1250.2	1292.4	1330.2	1368.3	1400.7	1429.2	1453.6	1473.0	1487.6
62.5°	1311.1	1369.4	1425.8	1477.0	1523.1	1569.5	1615.8	1656.1	1690.5	1718.4	1739.5
60°	1484.4	1550.9	1623.5	1691.8	1755.4	1814.0	1871.2	1921.8	1965.7	2003.0	2033.9
57.5°	1677.9	1764.1	1849.0	1937.3	2016.1	2085.5	2158.2	2230.2	2292.2	2344.1	2386.9
55°	1892.8	2003.6	2109.3	2217.6	2322.4	2418.6	2509.8	2605.3	2687.8	2756.9	2813.7
52.5°	2128.3	2272.5	2409.8	2541.4	2683.0	2812.6	2929.4	3055.8	3170.6	3268.2	3353.7
50°	2407.7	2575.1	2755.5	2925.4	3108.5	3285.9	3445.7	3608.6	3769.3	3905.4	4020.4
47.5°	2716.4	2920.6	3155.5	3390.2	3614.3	3856.6	4080.7	4289.6	4507.4	4693.6	4849.0
45°	3057.0	3336.0	3617.4	3928.2	4214.5	4539.7	4845.5	5118.2	5422.8	5695.1	5922.7
42.5°	3457.5	3810.4	4164.7	4564.6	4954.7	5364.8	5797.6	6186.6	6592.6	6985.5	7315.0
40°	3929.8	4349.1	4838.2	5319.6	5859.9	6376.2	6989.2	7535.4	8049.1	8551.1	8974.7
37.5°	4454.1	5008.4	5609.5	6220.8	6959.3	7683.1	8403.6	9083.5	9696.0	10257.4	10702.9
35°	5055.5	5750.9	6468.8	7359.7	8233.7	9120.9	9945.2	10721.1	11417.1	11984.2	12456.6
32.5°	5749.6	6571.6	7560.2	8592.5	9608.4	10591.2	11517.2	12341.1	13067.0	13714.7	14272.3
30°	6481.2	7551.2	8706.6	9861.4	10970.6	12035.8	13028.0	13953.2	14796.1	15523.7	16146.9
27.5°	7340.3	8580.0	9866.4	11102.7	12294.3	13442.5	14571.5	15624.1	16548.0	17313.3	18090.1
25°	8192.4	9612.7	10984.6	12296.1	13581.9	14865.2	16111.4	17293.8	18371.7	19313.6	20150.2
22.5°	9091.4	10574.7	12023.8	13414.9	14873.3	16271.1	17630.5	18981.1	20220.6	21300.5	22247.5
20°	9918.5	11456.8	12990.4	14543.2	16121.5	17638.2	19170.3	20627.5	22008.0	23316.1	24392.3
17.5°	10661.2	12283.8	13897.1	15533.6	17256.5	18974.1	20635.0	22215.2	23791.3	25312.3	26576.2
15°	11324.7	13025.9	14683.4	16464.4	18321.5	20171.1	22020.7	23764.2	25538.0	27222.1	28721.5
12.5°	11910.2	13665.1	15426.8	17320.1	19266.7	21194.0	23218.9	25241.7	27208.8	29026.1	30654.7
10°	12392.4	14220.3	16107.1	18070.5	20086.5	22125.0	24305.1	26474.8	28658.3	30588.9	32360.3
7.5°	12762.1	14634.4	16607.8	18645.8	20776.8	22952.8	25234.2	27522.6	29751.0	31825.9	33678.6
5°	13019.9	14912.9	16938.4	19020.3	21237.7	23516.0	25946.9	28385.3	30660.3	32805.8	34703.6
2.5°	13199.8	15098.9	17147.3	19228.9	21486.7	23846.0	26282.7	28811.4	31139.6	33341.2	35453.8
0°	13320.6	15263.3	17349.2	19405.7	21601.2	23969.5	26451.6	28921.0	31306.2	33699.7	35684.6
-2.5°	13199.8	15098.9	17147.3	19228.9	21486.7	23846.0	26282.7	28811.4	31139.6	33341.2	35453.8
-5°	13019.9	14912.9	16938.4	19020.3	21237.7	23516.0	25946.9	28385.3	30660.3	32805.8	34703.6
-7.5°	12762.1	14634.4	16607.8	18645.8	20776.8	22952.8	25234.2	27522.6	29751.0	31825.9	33678.6
-10°	12392.4	14220.3	16107.1	18070.5	20086.5	22125.0	24305.1	26474.8	28658.3	30588.9	32360.3
-12.5°	11910.2	13665.1	15426.8	17320.1	19266.7	21194.0	23218.9	25241.7	27208.8	29026.1	30654.7
-15°	11324.7	13025.9	14683.4	16464.4	18321.5	20171.1	22020.7	23764.2	25538.0	27222.1	28721.5
-17.5°	10661.2	12283.8	13897.1	15533.6	17256.5	18974.1	20635.0	22215.2	23791.3	25312.3	26576.2
-20°	9918.5	11456.8	12990.4	14543.2	16121.5	17638.2	19170.3	20627.5	22008.0	23316.1	24392.3



REPORT NUMBER: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9091.4	10574.7	12023.8	13414.9	14873.3	16271.1	17630.5	18981.1	20220.6	21300.5	22247.5
-25°	8192.4	9612.7	10984.6	12296.1	13581.9	14865.2	16111.4	17293.8	18371.7	19313.6	20150.2
-27.5°	7340.3	8580.0	9866.4	11102.7	12294.3	13442.5	14571.5	15624.1	16548.0	17313.3	18090.1
-30°	6481.2	7551.2	8706.6	9861.4	10970.6	12035.8	13028.0	13953.2	14796.1	15523.7	16146.9
-32.5°	5749.6	6571.6	7560.2	8592.5	9608.4	10591.2	11517.2	12341.1	13067.0	13714.7	14272.3
-35°	5055.5	5750.9	6468.8	7359.7	8233.7	9120.9	9945.2	10721.1	11417.1	11984.2	12456.6
-37.5°	4454.1	5008.4	5609.5	6220.8	6959.3	7683.1	8403.6	9083.5	9696.0	10257.4	10702.9
-40°	3929.8	4349.1	4838.2	5319.6	5859.9	6376.2	6989.2	7535.4	8049.1	8551.1	8974.7
-42.5°	3457.5	3810.4	4164.7	4564.6	4954.7	5364.8	5797.6	6186.6	6592.6	6985.5	7315.0
-45°	3057.0	3336.0	3617.4	3928.2	4214.5	4539.7	4845.5	5118.2	5422.8	5695.1	5922.7
-47.5°	2716.4	2920.6	3155.5	3390.2	3614.3	3856.6	4080.7	4289.6	4507.4	4693.6	4849.0
-50°	2407.7	2575.1	2755.5	2925.4	3108.5	3285.9	3445.7	3608.6	3769.3	3905.4	4020.4
-52.5°	2128.3	2272.5	2409.8	2541.4	2683.0	2812.6	2929.4	3055.8	3170.6	3268.2	3353.7
-55°	1892.8	2003.6	2109.3	2217.6	2322.4	2418.6	2509.8	2605.3	2687.8	2756.9	2813.7
-57.5°	1677.9	1764.1	1849.0	1937.3	2016.1	2085.5	2158.2	2230.2	2292.2	2344.1	2386.9
-60°	1484.4	1550.9	1623.5	1691.8	1755.4	1814.0	1871.2	1921.8	1965.7	2003.0	2033.9
-62.5°	1311.1	1369.4	1425.8	1477.0	1523.1	1569.5	1615.8	1656.1	1690.5	1718.4	1739.5
-65°	1153.9	1203.4	1250.2	1292.4	1330.2	1368.3	1400.7	1429.2	1453.6	1473.0	1487.6
-67.5°	1015.6	1054.9	1092.3	1127.6	1162.5	1192.4	1214.9	1235.1	1252.9	1266.4	1275.4
-70°	887.2	919.6	949.6	978.5	1007.0	1030.1	1046.6	1060.2	1071.1	1074.6	1076.4
-72.5°	765.5	791.6	816.6	841.1	863.7	878.4	888.3	897.4	905.5	888.4	862.0
-75°	647.1	669.5	686.4	703.2	719.7	728.4	732.4	734.6	735.0	700.4	655.7
-77.5°	518.8	542.8	560.1	574.9	587.2	588.9	587.3	584.7	580.9	542.2	496.5
-80°	417.0	436.2	450.9	464.3	476.5	473.3	467.3	460.7	453.3	414.6	371.6
-82.5°	316.9	327.9	337.8	348.5	359.8	358.6	354.5	348.7	341.2	307.3	270.6
-85°	211.9	213.8	214.3	214.1	213.2	214.7	215.7	216.1	215.9	193.8	170.5
-87.5°	103.5	104.0	104.0	103.8	103.2	105.1	106.9	108.5	109.9	97.8	85.1
-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: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**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°	72.1	58.8	52.7	46.4	52.7	58.8	72.1	85.1	97.8	109.9	108.5
85°	146.5	121.9	115.8	109.6	115.8	121.9	146.5	170.5	193.8	215.9	216.1
82.5°	232.6	193.7	185.3	177.0	185.3	193.7	232.6	270.6	307.3	341.2	348.7
80°	327.5	282.4	273.7	265.5	273.7	282.4	327.5	371.6	414.6	453.3	460.7
77.5°	449.2	400.5	387.5	375.1	387.5	400.5	449.2	496.5	542.2	580.9	584.7
75°	609.0	560.4	549.4	539.4	549.4	560.4	609.0	655.7	700.4	735.0	734.6
72.5°	834.7	805.7	779.4	750.1	779.4	805.7	834.7	862.0	888.4	905.5	897.4
70°	1078.5	1079.4	1075.0	1066.2	1075.0	1079.4	1078.5	1076.4	1074.6	1071.1	1060.2
67.5°	1281.1	1283.2	1289.5	1293.7	1289.5	1283.2	1281.1	1275.4	1266.4	1252.9	1235.1
65°	1498.2	1504.6	1514.3	1521.3	1514.3	1504.6	1498.2	1487.6	1473.0	1453.6	1429.2
62.5°	1754.6	1763.6	1771.2	1774.1	1771.2	1763.6	1754.6	1739.5	1718.4	1690.5	1656.1
60°	2058.1	2075.0	2089.7	2098.6	2089.7	2075.0	2058.1	2033.9	2003.0	1965.7	1921.8
57.5°	2419.4	2441.6	2462.7	2477.9	2462.7	2441.6	2419.4	2386.9	2344.1	2292.2	2230.2
55°	2856.9	2886.2	2898.7	2895.1	2898.7	2886.2	2856.9	2813.7	2756.9	2687.8	2605.3
52.5°	3424.0	3476.8	3499.2	3493.4	3499.2	3476.8	3424.0	3353.7	3268.2	3170.6	3055.8
50°	4111.3	4175.4	4206.4	4205.6	4206.4	4175.4	4111.3	4020.4	3905.4	3769.3	3608.6
47.5°	4972.7	5061.2	5115.8	5136.9	5115.8	5061.2	4972.7	4849.0	4693.6	4507.4	4289.6
45°	6103.1	6233.1	6304.4	6312.6	6304.4	6233.1	6103.1	5922.7	5695.1	5422.8	5118.2
42.5°	7569.2	7750.9	7855.6	7880.3	7855.6	7750.9	7569.2	7315.0	6985.5	6592.6	6186.6
40°	9291.5	9513.7	9659.3	9755.5	9659.3	9513.7	9291.5	8974.7	8551.1	8049.1	7535.4
37.5°	11064.8	11353.8	11538.2	11567.6	11538.2	11353.8	11064.8	10702.9	10257.4	9696.0	9083.5
35°	12850.4	13147.0	13327.2	13404.9	13327.2	13147.0	12850.4	12456.6	11984.2	11417.1	10721.1
32.5°	14714.6	15050.2	15258.8	15364.4	15258.8	15050.2	14714.6	14272.3	13714.7	13067.0	12341.1
30°	16662.0	17061.8	17317.5	17463.0	17317.5	17061.8	16662.0	16146.9	15523.7	14796.1	13953.2
27.5°	18709.8	19187.8	19504.0	19624.8	19504.0	19187.8	18709.8	18090.1	17313.3	16548.0	15624.1
25°	20821.5	21338.4	21693.1	21892.0	21693.1	21338.4	20821.5	20150.2	19313.6	18371.7	17293.8
22.5°	23026.9	23640.7	24099.3	24319.3	24099.3	23640.7	23026.9	22247.5	21300.5	20220.6	18981.1
20°	25301.4	25972.8	26504.6	26733.9	26504.6	25972.8	25301.4	24392.3	23316.1	22008.0	20627.5
17.5°	27619.7	28437.2	29032.4	29321.3	29032.4	28437.2	27619.7	26576.2	25312.3	23791.3	22215.2
15°	29869.6	30736.1	31381.5	31693.9	31381.5	30736.1	29869.6	28721.5	27222.1	25538.0	23764.2
12.5°	31953.9	32873.8	33519.4	33969.4	33519.4	32873.8	31953.9	30654.7	29026.1	27208.8	25241.7
10°	33816.1	34819.5	35475.0	35941.6	35475.0	34819.5	33816.1	32360.3	30588.9	28658.3	26474.8
7.5°	35211.5	36479.8	37219.6	37677.8	37219.6	36479.8	35211.5	33678.6	31825.9	29751.0	27522.6
5°	36284.7	37681.3	38352.0	38786.1	38352.0	37681.3	36284.7	34703.6	32805.8	30660.3	28385.3
2.5°	37068.3	38169.5	39010.9	39443.5	39010.9	38169.5	37068.3	35453.8	33341.2	31139.6	28811.4
0°	37374.4	38672.3	39266.5	39548.8	39266.5	38672.3	37374.4	35684.6	33699.7	31306.2	28921.0
-2.5°	37068.3	38169.5	39010.9	39443.5	39010.9	38169.5	37068.3	35453.8	33341.2	31139.6	28811.4
-5°	36284.7	37681.3	38352.0	38786.1	38352.0	37681.3	36284.7	34703.6	32805.8	30660.3	28385.3
-7.5°	35211.5	36479.8	37219.6	37677.8	37219.6	36479.8	35211.5	33678.6	31825.9	29751.0	27522.6
-10°	33816.1	34819.5	35475.0	35941.6	35475.0	34819.5	33816.1	32360.3	30588.9	28658.3	26474.8
-12.5°	31953.9	32873.8	33519.4	33969.4	33519.4	32873.8	31953.9	30654.7	29026.1	27208.8	25241.7
-15°	29869.6	30736.1	31381.5	31693.9	31381.5	30736.1	29869.6	28721.5	27222.1	25538.0	23764.2
-17.5°	27619.7	28437.2	29032.4	29321.3	29032.4	28437.2	27619.7	26576.2	25312.3	23791.3	22215.2
-20°	25301.4	25972.8	26504.6	26733.9	26504.6	25972.8	25301.4	24392.3	23316.1	22008.0	20627.5



REPORT NUMBER: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23026.9	23640.7	24099.3	24319.3	24099.3	23640.7	23026.9	22247.5	21300.5	20220.6	18981.1
-25°	20821.5	21338.4	21693.1	21892.0	21693.1	21338.4	20821.5	20150.2	19313.6	18371.7	17293.8
-27.5°	18709.8	19187.8	19504.0	19624.8	19504.0	19187.8	18709.8	18090.1	17313.3	16548.0	15624.1
-30°	16662.0	17061.8	17317.5	17463.0	17317.5	17061.8	16662.0	16146.9	15523.7	14796.1	13953.2
-32.5°	14714.6	15050.2	15258.8	15364.4	15258.8	15050.2	14714.6	14272.3	13714.7	13067.0	12341.1
-35°	12850.4	13147.0	13327.2	13404.9	13327.2	13147.0	12850.4	12456.6	11984.2	11417.1	10721.1
-37.5°	11064.8	11353.8	11538.2	11567.6	11538.2	11353.8	11064.8	10702.9	10257.4	9696.0	9083.5
-40°	9291.5	9513.7	9659.3	9755.5	9659.3	9513.7	9291.5	8974.7	8551.1	8049.1	7535.4
-42.5°	7569.2	7750.9	7855.6	7880.3	7855.6	7750.9	7569.2	7315.0	6985.5	6592.6	6186.6
-45°	6103.1	6233.1	6304.4	6312.6	6304.4	6233.1	6103.1	5922.7	5695.1	5422.8	5118.2
-47.5°	4972.7	5061.2	5115.8	5136.9	5115.8	5061.2	4972.7	4849.0	4693.6	4507.4	4289.6
-50°	4111.3	4175.4	4206.4	4205.6	4206.4	4175.4	4111.3	4020.4	3905.4	3769.3	3608.6
-52.5°	3424.0	3476.8	3499.2	3493.4	3499.2	3476.8	3424.0	3353.7	3268.2	3170.6	3055.8
-55°	2856.9	2886.2	2898.7	2895.1	2898.7	2886.2	2856.9	2813.7	2756.9	2687.8	2605.3
-57.5°	2419.4	2441.6	2462.7	2477.9	2462.7	2441.6	2419.4	2386.9	2344.1	2292.2	2230.2
-60°	2058.1	2075.0	2089.7	2098.6	2089.7	2075.0	2058.1	2033.9	2003.0	1965.7	1921.8
-62.5°	1754.6	1763.6	1771.2	1774.1	1771.2	1763.6	1754.6	1739.5	1718.4	1690.5	1656.1
-65°	1498.2	1504.6	1514.3	1521.3	1514.3	1504.6	1498.2	1487.6	1473.0	1453.6	1429.2
-67.5°	1281.1	1283.2	1289.5	1293.7	1289.5	1283.2	1281.1	1275.4	1266.4	1252.9	1235.1
-70°	1078.5	1079.4	1075.0	1066.2	1075.0	1079.4	1078.5	1076.4	1074.6	1071.1	1060.2
-72.5°	834.7	805.7	779.4	750.1	779.4	805.7	834.7	862.0	888.4	905.5	897.4
-75°	609.0	560.4	549.4	539.4	549.4	560.4	609.0	655.7	700.4	735.0	734.6
-77.5°	449.2	400.5	387.5	375.1	387.5	400.5	449.2	496.5	542.2	580.9	584.7
-80°	327.5	282.4	273.7	265.5	273.7	282.4	327.5	371.6	414.6	453.3	460.7
-82.5°	232.6	193.7	185.3	177.0	185.3	193.7	232.6	270.6	307.3	341.2	348.7
-85°	146.5	121.9	115.8	109.6	115.8	121.9	146.5	170.5	193.8	215.9	216.1
-87.5°	72.1	58.8	52.7	46.4	52.7	58.8	72.1	85.1	97.8	109.9	108.5
-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: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**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°	106.9	105.1	103.2	103.8	104.0	104.0	103.5	94.4	85.5	76.8	68.6
85°	215.7	214.7	213.2	214.1	214.3	213.8	211.9	192.0	172.7	154.2	137.6
82.5°	354.5	358.6	359.8	348.5	337.8	327.9	316.9	287.1	258.0	230.0	206.9
80°	467.3	473.3	476.5	464.3	450.9	436.2	417.0	380.0	340.8	301.7	275.3
77.5°	587.3	588.9	587.2	574.9	560.1	542.8	518.8	481.3	443.9	403.4	374.4
75°	732.4	728.4	719.7	703.2	686.4	669.5	647.1	613.3	573.9	528.7	493.7
72.5°	888.3	878.4	863.7	841.1	816.6	791.6	765.5	735.7	702.8	666.7	633.0
70°	1046.6	1030.1	1007.0	978.5	949.6	919.6	887.2	853.2	817.8	780.1	745.3
67.5°	1214.9	1192.4	1162.5	1127.6	1092.3	1054.9	1015.6	973.1	931.2	889.3	851.7
65°	1400.7	1368.3	1330.2	1292.4	1250.2	1203.4	1153.9	1105.2	1055.8	1003.6	956.8
62.5°	1615.8	1569.5	1523.1	1477.0	1425.8	1369.4	1311.1	1253.1	1191.3	1127.6	1071.9
60°	1871.2	1814.0	1755.4	1691.8	1623.5	1550.9	1484.4	1413.1	1337.4	1266.6	1193.6
57.5°	2158.2	2085.5	2016.1	1937.3	1849.0	1764.1	1677.9	1585.9	1500.1	1412.4	1324.3
55°	2509.8	2418.6	2322.4	2217.6	2109.3	2003.6	1892.8	1784.3	1678.0	1563.9	1465.5
52.5°	2929.4	2812.6	2683.0	2541.4	2409.8	2272.5	2128.3	2002.0	1869.1	1741.7	1614.2
50°	3445.7	3285.9	3108.5	2925.4	2755.5	2575.1	2407.7	2241.0	2079.7	1929.4	1779.7
47.5°	4080.7	3856.6	3614.3	3390.2	3155.5	2920.6	2716.4	2506.9	2319.3	2127.6	1960.0
45°	4845.5	4539.7	4214.5	3928.2	3617.4	3336.0	3057.0	2812.4	2575.7	2359.5	2144.9
42.5°	5797.6	5364.8	4954.7	4564.6	4164.7	3810.4	3457.5	3152.3	2863.8	2601.2	2359.7
40°	6989.2	6376.2	5859.9	5319.6	4838.2	4349.1	3929.8	3523.2	3187.1	2867.8	2576.8
37.5°	8403.6	7683.1	6959.3	6220.8	5609.5	5008.4	4454.1	3970.4	3526.6	3160.2	2819.8
35°	9945.2	9120.9	8233.7	7359.7	6468.8	5750.9	5055.5	4450.8	3931.4	3467.9	3071.3
32.5°	11517.2	10591.2	9608.4	8592.5	7560.2	6571.6	5749.6	4993.0	4344.4	3815.8	3347.7
30°	13028.0	12035.8	10970.6	9861.4	8706.6	7551.2	6481.2	5603.9	4832.6	4164.4	3624.7
27.5°	14571.5	13442.5	12294.3	11102.7	9866.4	8580.0	7340.3	6223.8	5322.9	4567.6	3929.8
25°	16111.4	14865.2	13581.9	12296.1	10984.6	9612.7	8192.4	6932.5	5860.5	4969.6	4205.7
22.5°	17630.5	16271.1	14873.3	13414.9	12023.8	10574.7	9091.4	7617.9	6357.5	5364.8	4525.8
20°	19170.3	17638.2	16121.5	14543.2	12990.4	11456.8	9918.5	8343.3	6945.6	5774.7	4822.9
17.5°	20635.0	18974.1	17256.5	15533.6	13897.1	12283.8	10661.2	9044.1	7485.3	6145.9	5083.3
15°	22020.7	20171.1	18321.5	16464.4	14683.4	13025.9	11324.7	9651.7	7994.5	6537.4	5374.1
12.5°	23218.9	21194.0	19266.7	17320.1	15426.8	13665.1	11910.2	10177.7	8476.4	6913.8	5635.6
10°	24305.1	22125.0	20086.5	18070.5	16107.1	14220.3	12392.4	10614.3	8864.4	7221.3	5846.8
7.5°	25234.2	22952.8	20776.8	18645.8	16607.8	14634.4	12762.1	10953.6	9168.2	7459.3	6007.2
5°	25946.9	23516.0	21237.7	19020.3	16938.4	14912.9	13019.9	11192.4	9384.3	7625.8	6116.7
2.5°	26282.7	23846.0	21486.7	19228.9	17147.3	15098.9	13199.8	11354.4	9518.0	7750.8	6201.5
0°	26451.6	23969.5	21601.2	19405.7	17349.2	15263.3	13320.6	11436.9	9561.7	7808.6	6236.8
-2.5°	26282.7	23846.0	21486.7	19228.9	17147.3	15098.9	13199.8	11354.4	9518.0	7750.8	6201.5
-5°	25946.9	23516.0	21237.7	19020.3	16938.4	14912.9	13019.9	11192.4	9384.3	7625.8	6116.7
-7.5°	25234.2	22952.8	20776.8	18645.8	16607.8	14634.4	12762.1	10953.6	9168.2	7459.3	6007.2
-10°	24305.1	22125.0	20086.5	18070.5	16107.1	14220.3	12392.4	10614.3	8864.4	7221.3	5846.8
-12.5°	23218.9	21194.0	19266.7	17320.1	15426.8	13665.1	11910.2	10177.7	8476.4	6913.8	5635.6
-15°	22020.7	20171.1	18321.5	16464.4	14683.4	13025.9	11324.7	9651.7	7994.5	6537.4	5374.1
-17.5°	20635.0	18974.1	17256.5	15533.6	13897.1	12283.8	10661.2	9044.1	7485.3	6145.9	5083.3
-20°	19170.3	17638.2	16121.5	14543.2	12990.4	11456.8	9918.5	8343.3	6945.6	5774.7	4822.9



REPORT NUMBER: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17630.5	16271.1	14873.3	13414.9	12023.8	10574.7	9091.4	7617.9	6357.5	5364.8	4525.8
-25°	16111.4	14865.2	13581.9	12296.1	10984.6	9612.7	8192.4	6932.5	5860.5	4969.6	4205.7
-27.5°	14571.5	13442.5	12294.3	11102.7	9866.4	8580.0	7340.3	6223.8	5322.9	4567.6	3929.8
-30°	13028.0	12035.8	10970.6	9861.4	8706.6	7551.2	6481.2	5603.9	4832.6	4164.4	3624.7
-32.5°	11517.2	10591.2	9608.4	8592.5	7560.2	6571.6	5749.6	4993.0	4344.4	3815.8	3347.7
-35°	9945.2	9120.9	8233.7	7359.7	6468.8	5750.9	5055.5	4450.8	3931.4	3467.9	3071.3
-37.5°	8403.6	7683.1	6959.3	6220.8	5609.5	5008.4	4454.1	3970.4	3526.6	3160.2	2819.8
-40°	6989.2	6376.2	5859.9	5319.6	4838.2	4349.1	3929.8	3523.2	3187.1	2867.8	2576.8
-42.5°	5797.6	5364.8	4954.7	4564.6	4164.7	3810.4	3457.5	3152.3	2863.8	2601.2	2359.7
-45°	4845.5	4539.7	4214.5	3928.2	3617.4	3336.0	3057.0	2812.4	2575.7	2359.5	2144.9
-47.5°	4080.7	3856.6	3614.3	3390.2	3155.5	2920.6	2716.4	2506.9	2319.3	2127.6	1960.0
-50°	3445.7	3285.9	3108.5	2925.4	2755.5	2575.1	2407.7	2241.0	2079.7	1929.4	1779.7
-52.5°	2929.4	2812.6	2683.0	2541.4	2409.8	2272.5	2128.3	2002.0	1869.1	1741.7	1614.2
-55°	2509.8	2418.6	2322.4	2217.6	2109.3	2003.6	1892.8	1784.3	1678.0	1563.9	1465.5
-57.5°	2158.2	2085.5	2016.1	1937.3	1849.0	1764.1	1677.9	1585.9	1500.1	1412.4	1324.3
-60°	1871.2	1814.0	1755.4	1691.8	1623.5	1550.9	1484.4	1413.1	1337.4	1266.6	1193.6
-62.5°	1615.8	1569.5	1523.1	1477.0	1425.8	1369.4	1311.1	1253.1	1191.3	1127.6	1071.9
-65°	1400.7	1368.3	1330.2	1292.4	1250.2	1203.4	1153.9	1105.2	1055.8	1003.6	956.8
-67.5°	1214.9	1192.4	1162.5	1127.6	1092.3	1054.9	1015.6	973.1	931.2	889.3	851.7
-70°	1046.6	1030.1	1007.0	978.5	949.6	919.6	887.2	853.2	817.8	780.1	745.3
-72.5°	888.3	878.4	863.7	841.1	816.6	791.6	765.5	735.7	702.8	666.7	633.0
-75°	732.4	728.4	719.7	703.2	686.4	669.5	647.1	613.3	573.9	528.7	493.7
-77.5°	587.3	588.9	587.2	574.9	560.1	542.8	518.8	481.3	443.9	403.4	374.4
-80°	467.3	473.3	476.5	464.3	450.9	436.2	417.0	380.0	340.8	301.7	275.3
-82.5°	354.5	358.6	359.8	348.5	337.8	327.9	316.9	287.1	258.0	230.0	206.9
-85°	215.7	214.7	213.2	214.1	214.3	213.8	211.9	192.0	172.7	154.2	137.6
-87.5°	106.9	105.1	103.2	103.8	104.0	104.0	103.5	94.4	85.5	76.8	68.6
-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: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**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°	73.4	77.3	80.2	82.2	78.7	74.8	70.5	65.9	60.9	55.5	49.7
85°	146.0	153.1	158.7	162.5	156.4	149.6	141.0	131.7	121.7	110.9	99.4
82.5°	218.3	227.2	234.0	237.5	228.3	218.0	206.6	194.1	180.4	165.9	149.0
80°	292.1	305.0	314.0	316.4	302.9	286.5	271.2	254.5	235.8	216.1	195.3
77.5°	382.3	389.9	397.3	399.5	385.0	366.7	344.5	317.6	291.0	266.0	239.8
75°	485.9	486.5	487.6	480.8	463.3	447.5	422.6	389.1	349.2	315.6	284.0
72.5°	606.3	587.0	575.7	559.9	533.2	509.8	489.9	458.7	407.2	363.0	326.3
70°	714.1	684.6	657.9	631.1	600.6	569.5	541.7	506.9	463.0	408.9	363.0
67.5°	811.9	773.9	738.2	701.8	666.3	630.2	593.1	549.5	501.8	452.8	398.3
65°	913.1	866.2	817.1	775.2	732.7	690.4	648.5	593.3	540.0	487.1	432.1
62.5°	1016.7	962.8	907.9	850.9	799.7	751.5	701.9	640.6	578.5	520.7	462.5
60°	1122.0	1060.1	997.9	934.3	870.8	812.1	754.4	686.8	620.2	553.5	491.5
57.5°	1242.1	1158.0	1087.1	1016.6	945.9	876.4	806.5	734.1	660.8	588.8	518.1
55°	1365.7	1272.0	1180.8	1099.3	1020.7	943.4	860.7	781.4	701.1	623.9	539.1
52.5°	1496.7	1387.6	1283.8	1185.3	1096.4	1008.5	919.0	827.9	743.3	657.8	561.2
50°	1638.9	1508.0	1389.0	1277.4	1172.4	1074.8	975.9	879.2	784.7	691.9	581.9
47.5°	1791.9	1639.8	1498.8	1369.6	1254.0	1138.8	1033.5	929.8	824.9	727.8	600.6
45°	1958.8	1779.0	1615.0	1468.8	1330.7	1206.8	1089.6	978.9	869.0	753.0	617.4
42.5°	2125.2	1926.4	1740.2	1565.1	1415.5	1274.7	1143.1	1027.3	911.7	776.3	635.4
40°	2317.2	2074.9	1865.1	1675.1	1499.0	1340.2	1201.7	1073.4	951.4	799.7	654.1
37.5°	2505.6	2236.1	1996.3	1778.6	1582.7	1413.5	1258.7	1117.1	981.2	825.0	671.3
35°	2722.6	2404.8	2118.0	1884.4	1672.5	1482.9	1312.9	1161.2	1012.7	849.1	686.9
32.5°	2933.6	2573.6	2259.9	1990.4	1756.4	1548.5	1369.2	1206.4	1045.7	871.9	700.8
30°	3165.1	2751.5	2394.2	2089.5	1838.1	1619.2	1425.0	1249.4	1079.9	893.3	714.2
27.5°	3384.5	2915.3	2523.7	2197.9	1922.6	1685.0	1476.9	1290.1	1114.9	915.6	729.8
25°	3602.2	3093.1	2662.9	2302.3	2000.2	1746.0	1524.6	1328.6	1148.4	941.2	743.6
22.5°	3837.7	3265.4	2788.2	2396.0	2073.2	1801.9	1571.5	1367.7	1178.8	966.2	755.6
20°	4052.2	3421.2	2900.9	2488.8	2148.1	1861.9	1616.9	1402.9	1206.5	990.1	765.6
17.5°	4252.8	3581.2	3032.0	2586.8	2220.4	1915.3	1657.1	1434.0	1231.4	1012.5	773.6
15°	4468.0	3741.5	3151.1	2672.7	2283.5	1962.0	1692.0	1461.0	1253.2	1033.1	781.1
12.5°	4652.4	3876.5	3252.4	2746.1	2337.1	2001.7	1721.5	1483.7	1271.9	1051.5	788.1
10°	4804.1	3985.9	3335.6	2806.6	2381.0	2034.2	1745.5	1502.4	1286.2	1066.6	792.1
7.5°	4921.9	4069.5	3400.2	2853.9	2415.3	2061.2	1766.1	1517.7	1296.8	1078.0	793.2
5°	5008.5	4134.4	3444.2	2888.3	2440.8	2082.6	1781.5	1528.9	1303.8	1085.5	791.5
2.5°	5073.8	4186.7	3467.8	2909.2	2456.0	2096.5	1791.2	1535.8	1307.0	1088.6	786.9
0°	5103.2	4214.0	3472.4	2916.1	2461.0	2102.8	1795.2	1538.1	1306.4	1087.2	779.6
-2.5°	5073.8	4186.7	3467.8	2909.2	2456.0	2096.5	1791.2	1535.8	1307.0	1088.6	786.9
-5°	5008.5	4134.4	3444.2	2888.3	2440.8	2082.6	1781.5	1528.9	1303.8	1085.5	791.5
-7.5°	4921.9	4069.5	3400.2	2853.9	2415.3	2061.2	1766.1	1517.7	1296.8	1078.0	793.2
-10°	4804.1	3985.9	3335.6	2806.6	2381.0	2034.2	1745.5	1502.4	1286.2	1066.6	792.1
-12.5°	4652.4	3876.5	3252.4	2746.1	2337.1	2001.7	1721.5	1483.7	1271.9	1051.5	788.1
-15°	4468.0	3741.5	3151.1	2672.7	2283.5	1962.0	1692.0	1461.0	1253.2	1033.1	781.1
-17.5°	4252.8	3581.2	3032.0	2586.8	2220.4	1915.3	1657.1	1434.0	1231.4	1012.5	773.6
-20°	4052.2	3421.2	2900.9	2488.8	2148.1	1861.9	1616.9	1402.9	1206.5	990.1	765.6

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

Scaled Data Report



REPORT NUMBER: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3837.7	3265.4	2788.2	2396.0	2073.2	1801.9	1571.5	1367.7	1178.8	966.2	755.6
-25°	3602.2	3093.1	2662.9	2302.3	2000.2	1746.0	1524.6	1328.6	1148.4	941.2	743.6
-27.5°	3384.5	2915.3	2523.7	2197.9	1922.6	1685.0	1476.9	1290.1	1114.9	915.6	729.8
-30°	3165.1	2751.5	2394.2	2089.5	1838.1	1619.2	1425.0	1249.4	1079.9	893.3	714.2
-32.5°	2933.6	2573.6	2259.9	1990.4	1756.4	1548.5	1369.2	1206.4	1045.7	871.9	700.8
-35°	2722.6	2404.8	2118.0	1884.4	1672.5	1482.9	1312.9	1161.2	1012.7	849.1	686.9
-37.5°	2505.6	2236.1	1996.3	1778.6	1582.7	1413.5	1258.7	1117.1	981.2	825.0	671.3
-40°	2317.2	2074.9	1865.1	1675.1	1499.0	1340.2	1201.7	1073.4	951.4	799.7	654.1
-42.5°	2125.2	1926.4	1740.2	1565.1	1415.5	1274.7	1143.1	1027.3	911.7	776.3	635.4
-45°	1958.8	1779.0	1615.0	1468.8	1330.7	1206.8	1089.6	978.9	869.0	753.0	617.4
-47.5°	1791.9	1639.8	1498.8	1369.6	1254.0	1138.8	1033.5	929.8	824.9	727.8	600.6
-50°	1638.9	1508.0	1389.0	1277.4	1172.4	1074.8	975.9	879.2	784.7	691.9	581.9
-52.5°	1496.7	1387.6	1283.8	1185.3	1096.4	1008.5	919.0	827.9	743.3	657.8	561.2
-55°	1365.7	1272.0	1180.8	1099.3	1020.7	943.4	860.7	781.4	701.1	623.9	539.1
-57.5°	1242.1	1158.0	1087.1	1016.6	945.9	876.4	806.5	734.1	660.8	588.8	518.1
-60°	1122.0	1060.1	997.9	934.3	870.8	812.1	754.4	686.8	620.2	553.5	491.5
-62.5°	1016.7	962.8	907.9	850.9	799.7	751.5	701.9	640.6	578.5	520.7	462.5
-65°	913.1	866.2	817.1	775.2	732.7	690.4	648.5	593.3	540.0	487.1	432.1
-67.5°	811.9	773.9	738.2	701.8	666.3	630.2	593.1	549.5	501.8	452.8	398.3
-70°	714.1	684.6	657.9	631.1	600.6	569.5	541.7	506.9	463.0	408.9	363.0
-72.5°	606.3	587.0	575.7	559.9	533.2	509.8	489.9	458.7	407.2	363.0	326.3
-75°	485.9	486.5	487.6	480.8	463.3	447.5	422.6	389.1	349.2	315.6	284.0
-77.5°	382.3	389.9	397.3	399.5	385.0	366.7	344.5	317.6	291.0	266.0	239.8
-80°	292.1	305.0	314.0	316.4	302.9	286.5	271.2	254.5	235.8	216.1	195.3
-82.5°	218.3	227.2	234.0	237.5	228.3	218.0	206.6	194.1	180.4	165.9	149.0
-85°	146.0	153.1	158.7	162.5	156.4	149.6	141.0	131.7	121.7	110.9	99.4
-87.5°	73.4	77.3	80.2	82.2	78.7	74.8	70.5	65.9	60.9	55.5	49.7
-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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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P624788 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**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°	43.6	33.0	23.8	15.8	9.2	4.1	0.0
85°	87.0	65.9	47.4	31.6	18.3	8.3	0.0
82.5°	130.0	98.5	70.9	47.2	27.4	12.4	0.0
80°	171.8	130.6	94.0	62.6	36.4	16.4	0.0
77.5°	208.8	160.6	116.8	77.8	45.4	20.5	0.0
75°	244.8	186.7	138.2	92.6	54.1	24.4	0.0
72.5°	279.4	211.9	155.4	107.1	62.7	28.4	0.0
70°	311.5	236.0	172.0	120.4	71.2	32.2	0.0
67.5°	335.9	258.9	187.7	130.3	79.4	36.0	0.0
65°	359.0	278.7	202.4	139.6	87.3	39.7	0.0
62.5°	380.8	295.7	216.3	148.3	95.0	43.2	0.0
60°	401.2	311.6	229.0	156.5	102.5	46.7	0.0
57.5°	420.1	326.3	240.1	163.9	107.4	50.1	0.0
55°	437.7	339.9	250.4	170.7	112.1	53.3	0.0
52.5°	454.0	352.4	259.7	176.8	116.6	56.4	0.0
50°	469.0	364.7	268.2	182.1	120.9	59.4	0.0
47.5°	482.9	375.8	275.7	186.8	125.0	62.2	0.0
45°	497.0	385.8	282.3	191.7	128.8	64.9	0.0
42.5°	509.6	394.6	287.8	195.9	132.5	67.4	0.0
40°	520.5	402.2	293.2	201.2	135.9	69.8	0.0
37.5°	529.6	408.6	298.4	206.9	139.1	72.0	0.0
35°	537.1	414.6	302.7	212.2	142.1	74.0	0.0
32.5°	544.6	419.7	306.0	217.1	144.8	75.9	0.0
30°	554.5	423.5	308.5	221.4	147.2	77.6	0.0
27.5°	562.8	425.9	314.3	225.3	149.4	79.1	0.0
25°	569.4	426.9	319.7	228.7	151.4	80.4	0.0
22.5°	574.3	428.9	324.2	231.7	153.1	81.6	0.0
20°	577.6	435.2	328.0	234.1	154.5	82.6	0.0
17.5°	583.6	440.5	330.9	236.0	155.6	83.4	0.0
15°	590.2	445.1	332.9	237.5	156.5	84.1	0.0
12.5°	594.5	448.6	334.2	238.4	157.1	84.5	0.0
10°	596.6	451.2	334.6	238.9	157.4	84.8	0.0
7.5°	596.7	452.8	334.3	238.9	157.4	84.9	0.0
5°	594.9	453.3	333.2	238.4	157.2	84.9	0.0
2.5°	591.2	452.7	331.3	237.4	156.7	84.7	0.0
0°	585.8	450.9	328.7	236.0	155.9	84.3	0.0
-2.5°	591.2	452.7	331.3	237.4	156.7	84.7	0.0
-5°	594.9	453.3	333.2	238.4	157.2	84.9	0.0
-7.5°	596.7	452.8	334.3	238.9	157.4	84.9	0.0
-10°	596.6	451.2	334.6	238.9	157.4	84.8	0.0
-12.5°	594.5	448.6	334.2	238.4	157.1	84.5	0.0
-15°	590.2	445.1	332.9	237.5	156.5	84.1	0.0
-17.5°	583.6	440.5	330.9	236.0	155.6	83.4	0.0
-20°	577.6	435.2	328.0	234.1	154.5	82.6	0.0

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CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-66

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	574.3	428.9	324.2	231.7	153.1	81.6	0.0
-25°	569.4	426.9	319.7	228.7	151.4	80.4	0.0
-27.5°	562.8	425.9	314.3	225.3	149.4	79.1	0.0
-30°	554.5	423.5	308.5	221.4	147.2	77.6	0.0
-32.5°	544.6	419.7	306.0	217.1	144.8	75.9	0.0
-35°	537.1	414.6	302.7	212.2	142.1	74.0	0.0
-37.5°	529.6	408.6	298.4	206.9	139.1	72.0	0.0
-40°	520.5	402.2	293.2	201.2	135.9	69.8	0.0
-42.5°	509.6	394.6	287.8	195.9	132.5	67.4	0.0
-45°	497.0	385.8	282.3	191.7	128.8	64.9	0.0
-47.5°	482.9	375.8	275.7	186.8	125.0	62.2	0.0
-50°	469.0	364.7	268.2	182.1	120.9	59.4	0.0
-52.5°	454.0	352.4	259.7	176.8	116.6	56.4	0.0
-55°	437.7	339.9	250.4	170.7	112.1	53.3	0.0
-57.5°	420.1	326.3	240.1	163.9	107.4	50.1	0.0
-60°	401.2	311.6	229.0	156.5	102.5	46.7	0.0
-62.5°	380.8	295.7	216.3	148.3	95.0	43.2	0.0
-65°	359.0	278.7	202.4	139.6	87.3	39.7	0.0
-67.5°	335.9	258.9	187.7	130.3	79.4	36.0	0.0
-70°	311.5	236.0	172.0	120.4	71.2	32.2	0.0
-72.5°	279.4	211.9	155.4	107.1	62.7	28.4	0.0
-75°	244.8	186.7	138.2	92.6	54.1	24.4	0.0
-77.5°	208.8	160.6	116.8	77.8	45.4	20.5	0.0
-80°	171.8	130.6	94.0	62.6	36.4	16.4	0.0
-82.5°	130.0	98.5	70.9	47.2	27.4	12.4	0.0
-85°	87.0	65.9	47.4	31.6	18.3	8.3	0.0
-87.5°	43.6	33.0	23.8	15.8	9.2	4.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)