

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: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-3000K-66**

Issue Date: 11/8/2022



Test Information

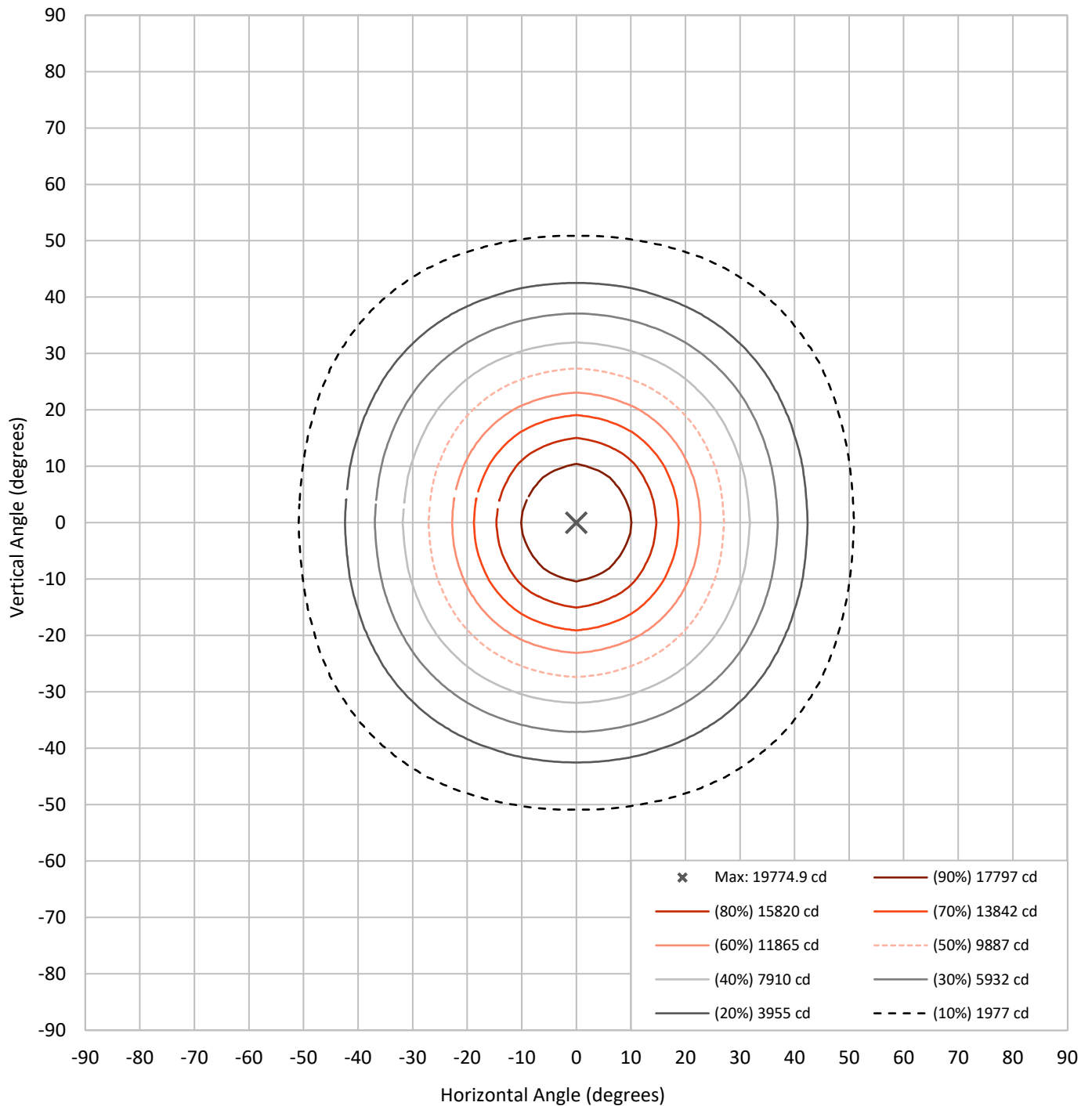
Test Method: LM-79-08
Report Number: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-04-E-PRO-3000K-66
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:	20505.1 lumens	Max Intensity:	19774.9 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:	9860.6 lumens	Field Lumens:	17995.5 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	163.5		
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: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

Iso-Candela Plot





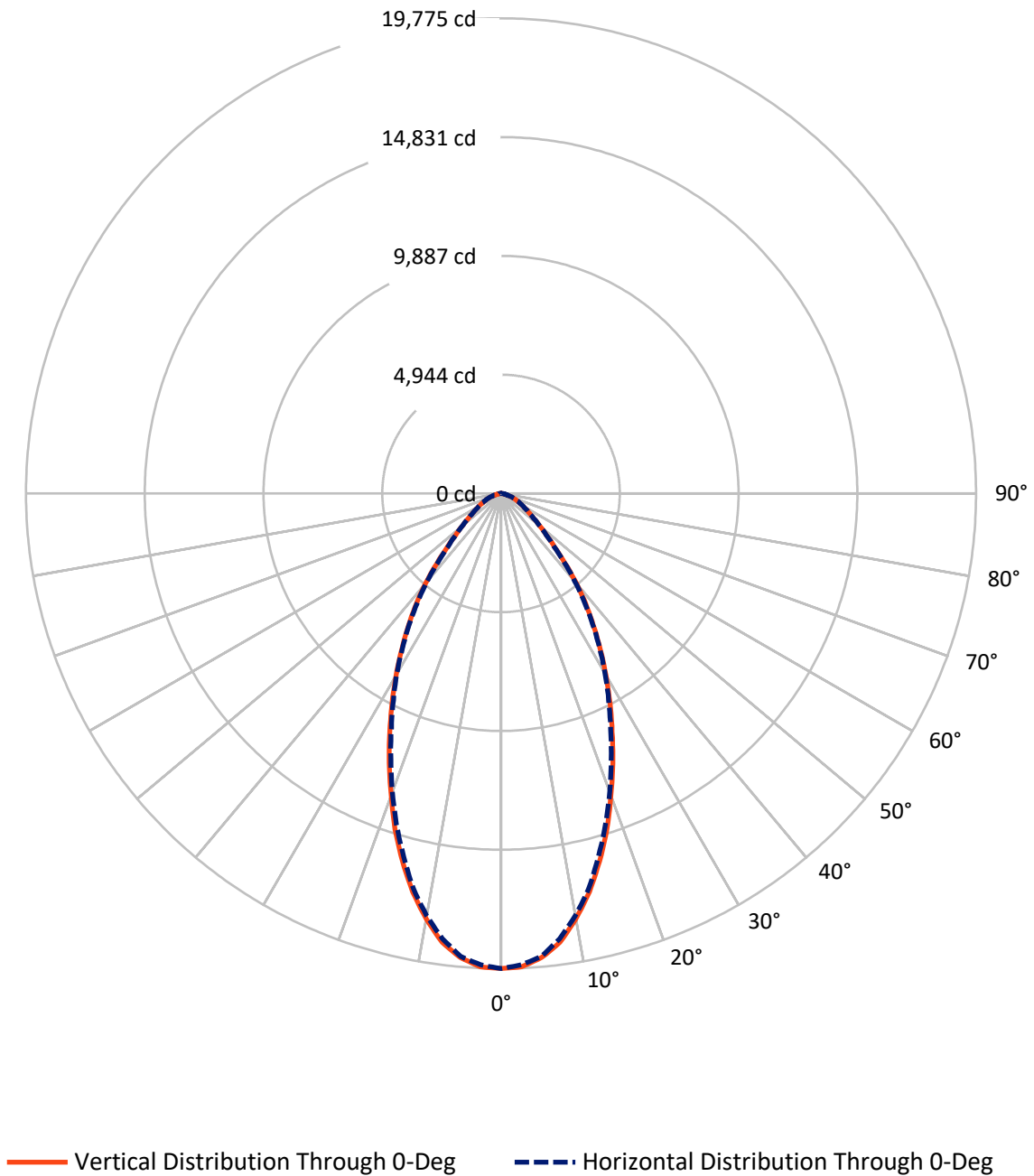
REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

Lumen Table

90																			
80	1.4	8.8		17.7		27.0		23.1		27.0		17.7		8.8		1.4			
70																			
60	3.6	3.9	6.8	10.4	14.5	18.6	21.7	23.2	23.2	21.7	18.6	14.5	10.4	6.8	3.9	3.6			
50		5.1	9.7	15.9	23.9	32.5	40.3	45.0	45.0	40.3	32.5	23.9	15.9	9.7	5.1				
40	4.8	6.4	13.0	23.5	38.9	59.7	82.2	97.5	97.5	82.2	59.7	38.9	23.5	13.0	6.4	4.8			
30		7.6	16.8	33.8	64.8	114.7	166.7	198.9	198.9	166.7	114.7	64.8	33.8	16.8	7.6				
20	5.6	8.7	20.7	46.8	103.7	187.3	269.0	322.8	322.8	269.0	187.3	103.7	46.8	20.7	8.7	5.6			
10		9.6	24.1	60.3	141.3	252.1	373.3	461.0	461.0	373.3	252.1	141.3	60.3	24.1	9.6				
0	5.9	10.1	26.2	69.0	163.0	292.4	445.3	559.8	559.8	445.3	292.4	163.0	69.0	26.2	10.1	5.9			
-10		10.1	26.2	69.0	163.0	292.4	445.3	559.8	559.8	445.3	292.4	163.0	69.0	26.2	10.1				
-20	5.6	9.6	24.1	60.3	141.3	252.1	373.3	461.0	461.0	373.3	252.1	141.3	60.3	24.1	9.6	5.6			
-30		8.7	20.7	46.8	103.7	187.3	269.0	322.8	322.8	269.0	187.3	103.7	46.8	20.7	8.7				
-40	4.8	7.6	16.8	33.8	64.8	114.7	166.7	198.9	198.9	166.7	114.7	64.8	33.8	16.8	7.6	4.8			
-50		6.4	13.0	23.5	38.9	59.7	82.2	97.5	97.5	82.2	59.7	38.9	23.5	13.0	6.4				
-60	3.6	5.1	9.7	15.9	23.9	32.5	40.3	45.0	45.0	40.3	32.5	23.9	15.9	9.7	5.1	3.6			
-70		3.9	6.8	10.4	14.5	18.6	21.7	23.2	23.2	21.7	18.6	14.5	10.4	6.8	3.9				
-80	1.4	8.8		17.7		27.0		23.1		27.0		17.7		8.8		1.4			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

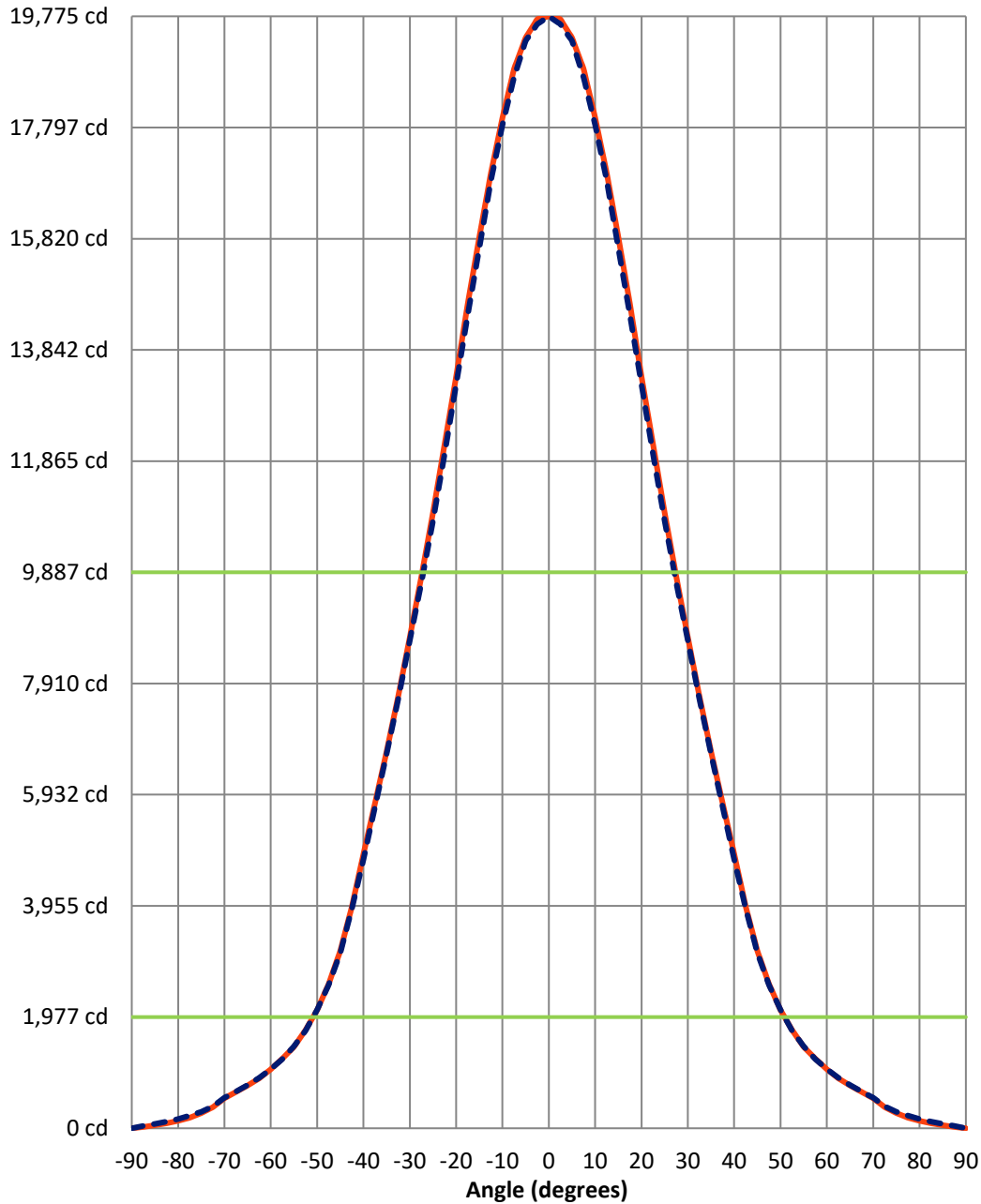
REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

Luminous Intensity Polar Plot



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

Luminous Intensity Plot



Beam:
 H Angle: 54.2°
 V Angle: 54.7°
 Lumens: 9860.6
 Efficiency: 48.1%

Field:
 H Angle: 101.7°
 V Angle: 101.8°
 Lumens: 17995.5
 Efficiency: 87.8%

Spill:
 Lumens: 2509.6
 Efficiency: 12.2%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.1	4.6	7.9	11.9	16.5	21.8	24.9	27.8	30.4	33.0
85°	0.0	4.1	9.2	15.8	23.7	33.0	43.5	49.7	55.5	60.9	65.9
82.5°	0.0	6.2	13.7	23.6	35.4	49.3	65.0	74.5	83.0	90.2	97.1
80°	0.0	8.2	18.2	31.3	47.0	65.3	85.9	97.6	108.0	117.9	127.2
77.5°	0.0	10.2	22.7	38.9	58.4	80.3	104.4	119.9	133.0	145.5	158.8
75°	0.0	12.2	27.1	46.3	69.1	93.3	122.4	142.0	157.8	174.6	194.6
72.5°	0.0	14.2	31.4	53.5	77.7	105.9	139.7	163.1	181.5	203.6	229.4
70°	0.0	16.1	35.6	60.2	86.0	118.0	155.7	181.4	204.4	231.5	253.4
67.5°	0.0	18.0	39.7	65.1	93.8	129.4	167.9	199.1	226.4	250.9	274.8
65°	0.0	19.8	43.7	69.8	101.2	139.3	179.5	216.0	243.5	270.0	296.7
62.5°	0.0	21.6	47.5	74.2	108.1	147.8	190.4	231.2	260.3	289.2	320.3
60°	0.0	23.3	51.2	78.2	114.5	155.7	200.5	245.7	276.8	310.1	343.4
57.5°	0.0	25.0	53.7	82.0	120.0	163.1	210.0	259.0	294.4	330.4	367.0
55°	0.0	26.6	56.0	85.3	125.2	169.9	218.8	269.5	311.9	350.5	390.7
52.5°	0.0	28.2	58.3	88.4	129.8	176.2	227.0	280.6	328.9	371.7	414.0
50°	0.0	29.7	60.4	91.0	134.1	182.3	234.5	290.9	345.9	392.3	439.6
47.5°	0.0	31.1	62.5	93.4	137.8	187.9	241.4	300.3	363.9	412.5	464.9
45°	0.0	32.4	64.4	95.8	141.1	192.9	248.5	308.6	376.5	434.5	489.4
42.5°	0.0	33.7	66.2	97.9	143.9	197.3	254.8	317.7	388.2	455.8	513.6
40°	0.0	34.9	68.0	100.6	146.6	201.1	260.2	327.1	399.9	475.7	536.7
37.5°	0.0	36.0	69.6	103.5	149.2	204.3	264.8	335.7	412.5	490.6	558.5
35°	0.0	37.0	71.0	106.1	151.3	207.3	268.6	343.5	424.6	506.3	580.6
32.5°	0.0	37.9	72.4	108.5	153.0	209.9	272.3	350.4	436.0	522.8	603.2
30°	0.0	38.8	73.6	110.7	154.2	211.7	277.2	357.2	446.6	539.9	624.7
27.5°	0.0	39.5	74.7	112.6	157.1	212.9	281.4	364.9	457.8	557.5	645.1
25°	0.0	40.2	75.7	114.3	159.8	213.5	284.7	371.8	470.6	574.2	664.3
22.5°	0.0	40.8	76.6	115.8	162.1	214.5	287.2	377.8	483.1	589.4	683.9
20°	0.0	41.3	77.3	117.0	164.0	217.6	288.8	382.8	495.0	603.3	701.5
17.5°	0.0	41.7	77.8	118.0	165.4	220.3	291.8	386.8	506.3	615.7	717.0
15°	0.0	42.0	78.3	118.7	166.5	222.5	295.1	390.6	516.6	626.6	730.5
12.5°	0.0	42.2	78.6	119.2	167.1	224.3	297.3	394.1	525.8	636.0	741.9
10°	0.0	42.4	78.7	119.4	167.4	225.6	298.3	396.1	533.3	643.1	751.3
7.5°	0.0	42.4	78.8	119.4	167.2	226.4	298.4	396.6	539.0	648.4	758.9
5°	0.0	42.4	78.6	119.2	166.6	226.7	297.5	395.7	542.8	651.9	764.5
2.5°	0.0	42.3	78.4	118.7	165.7	226.4	295.6	393.4	544.3	653.5	767.9
0°	0.0	42.1	78.0	118.0	164.4	225.5	292.9	389.8	543.6	653.2	769.1
-2.5°	0.0	42.3	78.4	118.7	165.7	226.4	295.6	393.4	544.3	653.5	767.9
-5°	0.0	42.4	78.6	119.2	166.6	226.7	297.5	395.7	542.8	651.9	764.5
-7.5°	0.0	42.4	78.8	119.4	167.2	226.4	298.4	396.6	539.0	648.4	758.9
-10°	0.0	42.4	78.7	119.4	167.4	225.6	298.3	396.1	533.3	643.1	751.3
-12.5°	0.0	42.2	78.6	119.2	167.1	224.3	297.3	394.1	525.8	636.0	741.9
-15°	0.0	42.0	78.3	118.7	166.5	222.5	295.1	390.6	516.6	626.6	730.5
-17.5°	0.0	41.7	77.8	118.0	165.4	220.3	291.8	386.8	506.3	615.7	717.0
-20°	0.0	41.3	77.3	117.0	164.0	217.6	288.8	382.8	495.0	603.3	701.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	40.8	76.6	115.8	162.1	214.5	287.2	377.8	483.1	589.4	683.9
-25°	0.0	40.2	75.7	114.3	159.8	213.5	284.7	371.8	470.6	574.2	664.3
-27.5°	0.0	39.5	74.7	112.6	157.1	212.9	281.4	364.9	457.8	557.5	645.1
-30°	0.0	38.8	73.6	110.7	154.2	211.7	277.2	357.2	446.6	539.9	624.7
-32.5°	0.0	37.9	72.4	108.5	153.0	209.9	272.3	350.4	436.0	522.8	603.2
-35°	0.0	37.0	71.0	106.1	151.3	207.3	268.6	343.5	424.6	506.3	580.6
-37.5°	0.0	36.0	69.6	103.5	149.2	204.3	264.8	335.7	412.5	490.6	558.5
-40°	0.0	34.9	68.0	100.6	146.6	201.1	260.2	327.1	399.9	475.7	536.7
-42.5°	0.0	33.7	66.2	97.9	143.9	197.3	254.8	317.7	388.2	455.8	513.6
-45°	0.0	32.4	64.4	95.8	141.1	192.9	248.5	308.6	376.5	434.5	489.4
-47.5°	0.0	31.1	62.5	93.4	137.8	187.9	241.4	300.3	363.9	412.5	464.9
-50°	0.0	29.7	60.4	91.0	134.1	182.3	234.5	290.9	345.9	392.3	439.6
-52.5°	0.0	28.2	58.3	88.4	129.8	176.2	227.0	280.6	328.9	371.7	414.0
-55°	0.0	26.6	56.0	85.3	125.2	169.9	218.8	269.5	311.9	350.5	390.7
-57.5°	0.0	25.0	53.7	82.0	120.0	163.1	210.0	259.0	294.4	330.4	367.0
-60°	0.0	23.3	51.2	78.2	114.5	155.7	200.5	245.7	276.8	310.1	343.4
-62.5°	0.0	21.6	47.5	74.2	108.1	147.8	190.4	231.2	260.3	289.2	320.3
-65°	0.0	19.8	43.7	69.8	101.2	139.3	179.5	216.0	243.5	270.0	296.7
-67.5°	0.0	18.0	39.7	65.1	93.8	129.4	167.9	199.1	226.4	250.9	274.8
-70°	0.0	16.1	35.6	60.2	86.0	118.0	155.7	181.4	204.4	231.5	253.4
-72.5°	0.0	14.2	31.4	53.5	77.7	105.9	139.7	163.1	181.5	203.6	229.4
-75°	0.0	12.2	27.1	46.3	69.1	93.3	122.4	142.0	157.8	174.6	194.6
-77.5°	0.0	10.2	22.7	38.9	58.4	80.3	104.4	119.9	133.0	145.5	158.8
-80°	0.0	8.2	18.2	31.3	47.0	65.3	85.9	97.6	108.0	117.9	127.2
-82.5°	0.0	6.2	13.7	23.6	35.4	49.3	65.0	74.5	83.0	90.2	97.1
-85°	0.0	4.1	9.2	15.8	23.7	33.0	43.5	49.7	55.5	60.9	65.9
-87.5°	0.0	2.1	4.6	7.9	11.9	16.5	21.8	24.9	27.8	30.4	33.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

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°	35.3	37.4	39.3	41.1	40.1	38.6	36.7	34.3	38.4	42.7	47.2
85°	70.5	74.8	78.2	81.2	79.3	76.5	73.0	68.8	77.1	86.3	96.0
82.5°	103.3	109.0	114.2	118.8	117.0	113.6	109.2	103.4	115.0	129.0	143.5
80°	135.6	143.3	151.5	158.2	157.0	152.5	146.1	137.7	150.9	170.4	190.1
77.5°	172.2	183.4	192.5	199.8	198.7	195.0	191.1	187.2	201.7	221.9	240.7
75°	211.3	223.8	231.6	240.4	243.7	243.2	242.9	246.8	264.3	287.0	306.7
72.5°	245.0	254.9	266.6	279.9	287.8	293.5	303.1	316.5	333.4	351.4	367.9
70°	270.9	284.8	300.3	315.5	329.0	342.4	357.1	372.7	390.1	409.0	426.6
67.5°	296.5	315.1	333.1	351.0	369.2	387.0	406.0	425.9	444.7	465.6	486.5
65°	324.3	345.2	366.4	387.7	408.6	433.1	456.6	478.4	501.8	527.9	552.6
62.5°	350.9	375.7	399.9	425.5	454.0	481.4	508.4	535.9	563.8	595.6	626.5
60°	377.2	406.0	435.4	467.1	498.9	530.0	561.0	596.8	633.3	668.7	706.5
57.5°	403.2	438.2	473.0	508.3	543.5	579.0	621.0	662.1	706.2	750.0	793.0
55°	430.4	471.7	510.3	549.6	590.4	636.0	682.9	732.7	781.9	839.0	892.2
52.5°	459.5	504.3	548.2	592.6	641.9	693.8	748.4	807.1	870.9	934.6	1001.1
50°	488.0	537.4	586.2	638.7	694.5	754.0	819.5	889.9	964.7	1039.9	1120.5
47.5°	516.8	569.4	627.0	684.8	749.4	819.9	896.0	980.0	1063.8	1159.7	1253.5
45°	544.8	603.4	665.4	734.4	807.5	889.5	979.5	1072.4	1179.8	1287.9	1406.2
42.5°	571.6	637.3	707.8	782.5	870.2	963.3	1062.6	1179.8	1300.6	1431.9	1576.2
40°	600.9	670.2	749.5	837.6	932.6	1037.5	1158.6	1288.4	1433.9	1593.6	1761.6
37.5°	629.3	706.7	791.3	889.3	998.2	1118.1	1252.8	1409.9	1580.2	1763.4	1985.2
35°	656.4	741.5	836.3	942.2	1059.0	1202.4	1361.3	1535.7	1734.0	1965.7	2225.4
32.5°	684.6	774.3	878.2	995.2	1130.0	1286.8	1466.9	1673.9	1908.0	2172.2	2496.5
30°	712.5	809.6	919.0	1044.8	1197.1	1375.8	1582.6	1812.4	2082.2	2416.3	2802.0
27.5°	738.4	842.5	961.3	1098.9	1261.9	1457.7	1692.3	1965.0	2283.8	2661.5	3112.0
25°	762.3	873.0	1000.1	1151.1	1331.5	1546.6	1801.2	2102.9	2484.8	2930.3	3466.3
22.5°	785.8	900.9	1036.6	1198.0	1394.1	1632.8	1918.9	2263.0	2682.5	3178.8	3809.0
20°	808.5	930.9	1074.1	1244.4	1450.5	1710.7	2026.2	2411.5	2887.4	3472.8	4171.7
17.5°	828.6	957.6	1110.2	1293.4	1516.1	1790.7	2126.5	2541.7	3073.0	3742.7	4522.1
15°	846.0	981.0	1141.8	1336.4	1575.6	1870.8	2234.1	2687.1	3268.8	3997.4	4825.9
12.5°	860.8	1000.8	1168.6	1373.1	1626.3	1938.3	2326.3	2817.9	3457.0	4238.3	5088.9
10°	872.7	1017.1	1190.5	1403.3	1667.9	1993.0	2402.1	2923.5	3610.7	4432.3	5307.3
7.5°	883.0	1030.6	1207.7	1427.0	1700.2	2034.8	2461.0	3003.6	3729.7	4584.2	5476.9
5°	890.7	1041.3	1220.4	1444.2	1722.2	2067.3	2504.3	3058.4	3812.9	4692.3	5596.3
2.5°	895.6	1048.3	1228.0	1454.6	1734.0	2093.4	2537.0	3100.8	3875.5	4759.2	5677.3
0°	897.6	1051.4	1230.5	1458.1	1736.2	2107.1	2551.7	3118.5	3904.4	4781.0	5718.6
-2.5°	895.6	1048.3	1228.0	1454.6	1734.0	2093.4	2537.0	3100.8	3875.5	4759.2	5677.3
-5°	890.7	1041.3	1220.4	1444.2	1722.2	2067.3	2504.3	3058.4	3812.9	4692.3	5596.3
-7.5°	883.0	1030.6	1207.7	1427.0	1700.2	2034.8	2461.0	3003.6	3729.7	4584.2	5476.9
-10°	872.7	1017.1	1190.5	1403.3	1667.9	1993.0	2402.1	2923.5	3610.7	4432.3	5307.3
-12.5°	860.8	1000.8	1168.6	1373.1	1626.3	1938.3	2326.3	2817.9	3457.0	4238.3	5088.9
-15°	846.0	981.0	1141.8	1336.4	1575.6	1870.8	2234.1	2687.1	3268.8	3997.4	4825.9
-17.5°	828.6	957.6	1110.2	1293.4	1516.1	1790.7	2126.5	2541.7	3073.0	3742.7	4522.1
-20°	808.5	930.9	1074.1	1244.4	1450.5	1710.7	2026.2	2411.5	2887.4	3472.8	4171.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	785.8	900.9	1036.6	1198.0	1394.1	1632.8	1918.9	2263.0	2682.5	3178.8	3809.0
-25°	762.3	873.0	1000.1	1151.1	1331.5	1546.6	1801.2	2102.9	2484.8	2930.3	3466.3
-27.5°	738.4	842.5	961.3	1098.9	1261.9	1457.7	1692.3	1965.0	2283.8	2661.5	3112.0
-30°	712.5	809.6	919.0	1044.8	1197.1	1375.8	1582.6	1812.4	2082.2	2416.3	2802.0
-32.5°	684.6	774.3	878.2	995.2	1130.0	1286.8	1466.9	1673.9	1908.0	2172.2	2496.5
-35°	656.4	741.5	836.3	942.2	1059.0	1202.4	1361.3	1535.7	1734.0	1965.7	2225.4
-37.5°	629.3	706.7	791.3	889.3	998.2	1118.1	1252.8	1409.9	1580.2	1763.4	1985.2
-40°	600.9	670.2	749.5	837.6	932.6	1037.5	1158.6	1288.4	1433.9	1593.6	1761.6
-42.5°	571.6	637.3	707.8	782.5	870.2	963.3	1062.6	1179.8	1300.6	1431.9	1576.2
-45°	544.8	603.4	665.4	734.4	807.5	889.5	979.5	1072.4	1179.8	1287.9	1406.2
-47.5°	516.8	569.4	627.0	684.8	749.4	819.9	896.0	980.0	1063.8	1159.7	1253.5
-50°	488.0	537.4	586.2	638.7	694.5	754.0	819.5	889.9	964.7	1039.9	1120.5
-52.5°	459.5	504.3	548.2	592.6	641.9	693.8	748.4	807.1	870.9	934.6	1001.1
-55°	430.4	471.7	510.3	549.6	590.4	636.0	682.9	732.7	781.9	839.0	892.2
-57.5°	403.2	438.2	473.0	508.3	543.5	579.0	621.0	662.1	706.2	750.0	793.0
-60°	377.2	406.0	435.4	467.1	498.9	530.0	561.0	596.8	633.3	668.7	706.5
-62.5°	350.9	375.7	399.9	425.5	454.0	481.4	508.4	535.9	563.8	595.6	626.5
-65°	324.3	345.2	366.4	387.7	408.6	433.1	456.6	478.4	501.8	527.9	552.6
-67.5°	296.5	315.1	333.1	351.0	369.2	387.0	406.0	425.9	444.7	465.6	486.5
-70°	270.9	284.8	300.3	315.5	329.0	342.4	357.1	372.7	390.1	409.0	426.6
-72.5°	245.0	254.9	266.6	279.9	287.8	293.5	303.1	316.5	333.4	351.4	367.9
-75°	211.3	223.8	231.6	240.4	243.7	243.2	242.9	246.8	264.3	287.0	306.7
-77.5°	172.2	183.4	192.5	199.8	198.7	195.0	191.1	187.2	201.7	221.9	240.7
-80°	135.6	143.3	151.5	158.2	157.0	152.5	146.1	137.7	150.9	170.4	190.1
-82.5°	103.3	109.0	114.2	118.8	117.0	113.6	109.2	103.4	115.0	129.0	143.5
-85°	70.5	74.8	78.2	81.2	79.3	76.5	73.0	68.8	77.1	86.3	96.0
-87.5°	35.3	37.4	39.3	41.1	40.1	38.6	36.7	34.3	38.4	42.7	47.2
-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: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	51.7	52.0	52.0	51.9	51.6	52.6	53.5	54.3	55.0	48.9	42.6
85°	105.9	106.9	107.2	107.1	106.6	107.4	107.9	108.1	108.0	97.0	85.3
82.5°	158.5	163.9	168.9	174.3	179.9	179.3	177.3	174.3	170.6	153.6	135.3
80°	208.5	218.1	225.5	232.2	238.3	236.7	233.7	230.3	226.6	207.3	185.8
77.5°	259.4	271.4	280.1	287.5	293.6	294.5	293.7	292.3	290.5	271.1	248.3
75°	323.6	334.7	343.2	351.6	359.9	364.2	366.2	367.3	367.5	350.2	327.8
72.5°	382.8	395.9	408.4	420.6	431.9	439.2	444.2	448.7	452.8	444.2	431.0
70°	443.6	459.8	474.8	489.3	503.5	515.0	523.3	530.1	535.6	537.3	538.2
67.5°	507.8	527.5	546.1	563.8	581.3	596.2	607.4	617.6	626.4	633.2	637.7
65°	576.9	601.7	625.1	646.2	665.1	684.2	700.4	714.6	726.8	736.5	743.8
62.5°	655.5	684.7	712.9	738.5	761.6	784.8	807.9	828.1	845.3	859.2	869.8
60°	742.2	775.5	811.7	845.9	877.7	907.0	935.6	960.9	982.9	1001.5	1017.0
57.5°	839.0	882.1	924.6	968.7	1008.1	1042.7	1079.1	1115.1	1146.1	1172.1	1193.5
55°	946.4	1001.8	1054.7	1108.8	1161.2	1209.3	1254.9	1302.7	1343.9	1378.5	1406.9
52.5°	1064.2	1136.3	1204.9	1270.7	1341.6	1406.4	1464.8	1528.0	1585.3	1634.1	1676.9
50°	1203.9	1287.6	1377.8	1462.7	1554.3	1643.0	1722.9	1804.3	1884.7	1952.7	2010.2
47.5°	1358.2	1460.4	1577.8	1695.2	1807.2	1928.4	2040.4	2144.8	2253.7	2346.8	2424.6
45°	1528.6	1668.0	1808.8	1964.2	2107.2	2269.9	2422.8	2559.2	2711.5	2847.6	2961.4
42.5°	1728.8	1905.2	2082.4	2282.3	2477.4	2682.5	2898.9	3093.4	3296.3	3492.8	3657.6
40°	1964.9	2174.6	2419.1	2659.9	2930.0	3188.2	3494.7	3767.8	4024.6	4275.6	4487.5
37.5°	2227.0	2504.2	2804.8	3110.5	3479.7	3841.6	4201.9	4541.8	4848.1	5128.8	5351.6
35°	2527.8	2875.5	3234.5	3679.9	4116.9	4560.5	4972.7	5360.7	5708.7	5992.2	6228.5
32.5°	2874.9	3285.9	3780.2	4296.4	4804.3	5295.7	5758.7	6170.7	6533.7	6857.6	7136.3
30°	3240.7	3775.7	4353.4	4930.8	5485.4	6018.0	6514.1	6976.8	7398.3	7762.1	8073.7
27.5°	3670.3	4290.2	4933.3	5551.5	6147.3	6721.4	7285.9	7812.3	8274.2	8656.9	9045.3
25°	4096.3	4806.4	5492.4	6148.2	6791.1	7432.8	8055.9	8647.1	9186.0	9657.0	10075.4
22.5°	4545.8	5287.5	6012.0	6707.6	7436.9	8135.8	8815.4	9490.8	10110.5	10650.5	11124.0
20°	4959.3	5728.5	6495.4	7271.8	8061.0	8819.3	9585.4	10314.0	11004.3	11658.3	12196.4
17.5°	5330.7	6142.1	6948.7	7767.0	8628.5	9487.3	10317.8	11107.9	11895.9	12656.5	13288.4
15°	5662.5	6513.1	7341.9	8232.4	9161.0	10085.8	11010.6	11882.4	12769.3	13611.4	14361.1
12.5°	5955.2	6832.8	7713.6	8660.3	9633.6	10597.2	11609.7	12621.2	13604.7	14513.4	15327.7
10°	6196.3	7110.3	8053.7	9035.4	10043.5	11062.7	12152.8	13237.7	14329.4	15294.8	16180.5
7.5°	6381.2	7317.4	8304.1	9323.1	10388.7	11476.7	12617.4	13761.7	14875.8	15913.4	16839.7
5°	6510.1	7456.6	8469.4	9510.4	10619.1	11758.3	12973.7	14193.0	15330.6	16403.3	17352.2
2.5°	6600.1	7549.6	8573.9	9614.6	10743.6	11923.3	13141.6	14406.1	15570.2	16671.0	17727.4
0°	6660.5	7631.8	8674.8	9703.1	10800.9	11985.0	13226.1	14460.9	15653.5	16850.3	17842.7
-2.5°	6600.1	7549.6	8573.9	9614.6	10743.6	11923.3	13141.6	14406.1	15570.2	16671.0	17727.4
-5°	6510.1	7456.6	8469.4	9510.4	10619.1	11758.3	12973.7	14193.0	15330.6	16403.3	17352.2
-7.5°	6381.2	7317.4	8304.1	9323.1	10388.7	11476.7	12617.4	13761.7	14875.8	15913.4	16839.7
-10°	6196.3	7110.3	8053.7	9035.4	10043.5	11062.7	12152.8	13237.7	14329.4	15294.8	16180.5
-12.5°	5955.2	6832.8	7713.6	8660.3	9633.6	10597.2	11609.7	12621.2	13604.7	14513.4	15327.7
-15°	5662.5	6513.1	7341.9	8232.4	9161.0	10085.8	11010.6	11882.4	12769.3	13611.4	14361.1
-17.5°	5330.7	6142.1	6948.7	7767.0	8628.5	9487.3	10317.8	11107.9	11895.9	12656.5	13288.4
-20°	4959.3	5728.5	6495.4	7271.8	8061.0	8819.3	9585.4	10314.0	11004.3	11658.3	12196.4



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	4545.8	5287.5	6012.0	6707.6	7436.9	8135.8	8815.4	9490.8	10110.5	10650.5	11124.0
-25°	4096.3	4806.4	5492.4	6148.2	6791.1	7432.8	8055.9	8647.1	9186.0	9657.0	10075.4
-27.5°	3670.3	4290.2	4933.3	5551.5	6147.3	6721.4	7285.9	7812.3	8274.2	8656.9	9045.3
-30°	3240.7	3775.7	4353.4	4930.8	5485.4	6018.0	6514.1	6976.8	7398.3	7762.1	8073.7
-32.5°	2874.9	3285.9	3780.2	4296.4	4804.3	5295.7	5758.7	6170.7	6533.7	6857.6	7136.3
-35°	2527.8	2875.5	3234.5	3679.9	4116.9	4560.5	4972.7	5360.7	5708.7	5992.2	6228.5
-37.5°	2227.0	2504.2	2804.8	3110.5	3479.7	3841.6	4201.9	4541.8	4848.1	5128.8	5351.6
-40°	1964.9	2174.6	2419.1	2659.9	2930.0	3188.2	3494.7	3767.8	4024.6	4275.6	4487.5
-42.5°	1728.8	1905.2	2082.4	2282.3	2477.4	2682.5	2898.9	3093.4	3296.3	3492.8	3657.6
-45°	1528.6	1668.0	1808.8	1964.2	2107.2	2269.9	2422.8	2559.2	2711.5	2847.6	2961.4
-47.5°	1358.2	1460.4	1577.8	1695.2	1807.2	1928.4	2040.4	2144.8	2253.7	2346.8	2424.6
-50°	1203.9	1287.6	1377.8	1462.7	1554.3	1643.0	1722.9	1804.3	1884.7	1952.7	2010.2
-52.5°	1064.2	1136.3	1204.9	1270.7	1341.6	1406.4	1464.8	1528.0	1585.3	1634.1	1676.9
-55°	946.4	1001.8	1054.7	1108.8	1161.2	1209.3	1254.9	1302.7	1343.9	1378.5	1406.9
-57.5°	839.0	882.1	924.6	968.7	1008.1	1042.7	1079.1	1115.1	1146.1	1172.1	1193.5
-60°	742.2	775.5	811.7	845.9	877.7	907.0	935.6	960.9	982.9	1001.5	1017.0
-62.5°	655.5	684.7	712.9	738.5	761.6	784.8	807.9	828.1	845.3	859.2	869.8
-65°	576.9	601.7	625.1	646.2	665.1	684.2	700.4	714.6	726.8	736.5	743.8
-67.5°	507.8	527.5	546.1	563.8	581.3	596.2	607.4	617.6	626.4	633.2	637.7
-70°	443.6	459.8	474.8	489.3	503.5	515.0	523.3	530.1	535.6	537.3	538.2
-72.5°	382.8	395.9	408.4	420.6	431.9	439.2	444.2	448.7	452.8	444.2	431.0
-75°	323.6	334.7	343.2	351.6	359.9	364.2	366.2	367.3	367.5	350.2	327.8
-77.5°	259.4	271.4	280.1	287.5	293.6	294.5	293.7	292.3	290.5	271.1	248.3
-80°	208.5	218.1	225.5	232.2	238.3	236.7	233.7	230.3	226.6	207.3	185.8
-82.5°	158.5	163.9	168.9	174.3	179.9	179.3	177.3	174.3	170.6	153.6	135.3
-85°	105.9	106.9	107.2	107.1	106.6	107.4	107.9	108.1	108.0	97.0	85.3
-87.5°	51.7	52.0	52.0	51.9	51.6	52.6	53.5	54.3	55.0	48.9	42.6
-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: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-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°	36.1	29.4	26.3	23.2	26.3	29.4	36.1	42.6	48.9	55.0	54.3
85°	73.3	61.0	57.9	54.8	57.9	61.0	73.3	85.3	97.0	108.0	108.1
82.5°	116.3	96.8	92.6	88.5	92.6	96.8	116.3	135.3	153.6	170.6	174.3
80°	163.8	141.2	136.8	132.7	136.8	141.2	163.8	185.8	207.3	226.6	230.3
77.5°	224.6	200.3	193.7	187.5	193.7	200.3	224.6	248.3	271.1	290.5	292.3
75°	304.5	280.1	274.7	269.7	274.7	280.1	304.5	327.8	350.2	367.5	367.3
72.5°	417.4	402.9	389.8	375.1	389.8	402.9	417.4	431.0	444.2	452.8	448.7
70°	539.3	539.7	537.5	533.1	537.5	539.7	539.3	538.2	537.3	535.6	530.1
67.5°	640.6	641.7	644.8	646.9	644.8	641.7	640.6	637.7	633.2	626.4	617.6
65°	749.1	752.3	757.2	760.7	757.2	752.3	749.1	743.8	736.5	726.8	714.6
62.5°	877.3	881.8	885.6	887.1	885.6	881.8	877.3	869.8	859.2	845.3	828.1
60°	1029.0	1037.5	1044.9	1049.3	1044.9	1037.5	1029.0	1017.0	1001.5	982.9	960.9
57.5°	1209.8	1220.8	1231.4	1239.0	1231.4	1220.8	1209.8	1193.5	1172.1	1146.1	1115.1
55°	1428.5	1443.1	1449.4	1447.6	1449.4	1443.1	1428.5	1406.9	1378.5	1343.9	1302.7
52.5°	1712.1	1738.4	1749.7	1746.8	1749.7	1738.4	1712.1	1676.9	1634.1	1585.3	1528.0
50°	2055.7	2087.8	2103.3	2102.9	2103.3	2087.8	2055.7	2010.2	1952.7	1884.7	1804.3
47.5°	2486.4	2530.6	2557.9	2568.5	2557.9	2530.6	2486.4	2424.6	2346.8	2253.7	2144.8
45°	3051.6	3116.6	3152.3	3156.4	3152.3	3116.6	3051.6	2961.4	2847.6	2711.5	2559.2
42.5°	3784.7	3875.6	3927.9	3940.2	3927.9	3875.6	3784.7	3657.6	3492.8	3296.3	3093.4
40°	4645.9	4757.0	4829.8	4877.9	4829.8	4757.0	4645.9	4487.5	4275.6	4024.6	3767.8
37.5°	5532.6	5677.1	5769.2	5783.9	5769.2	5677.1	5532.6	5351.6	5128.8	4848.1	4541.8
35°	6425.4	6573.7	6663.8	6702.6	6663.8	6573.7	6425.4	6228.5	5992.2	5708.7	5360.7
32.5°	7357.5	7525.3	7629.6	7682.4	7629.6	7525.3	7357.5	7136.3	6857.6	6533.7	6170.7
30°	8331.2	8531.1	8659.0	8731.7	8659.0	8531.1	8331.2	8073.7	7762.1	7398.3	6976.8
27.5°	9355.1	9594.1	9752.2	9812.7	9752.2	9594.1	9355.1	9045.3	8656.9	8274.2	7812.3
25°	10411.0	10669.5	10846.8	10946.3	10846.8	10669.5	10411.0	10075.4	9657.0	9186.0	8647.1
22.5°	11513.7	11820.6	12050.0	12159.9	12050.0	11820.6	11513.7	11124.0	10650.5	10110.5	9490.8
20°	12651.0	12986.7	13252.6	13367.3	13252.6	12986.7	12651.0	12196.4	11658.3	11004.3	10314.0
17.5°	13810.2	14218.9	14516.6	14661.0	14516.6	14218.9	13810.2	13288.4	12656.5	11895.9	11107.9
15°	14935.1	15368.4	15691.1	15847.3	15691.1	15368.4	14935.1	14361.1	13611.4	12769.3	11882.4
12.5°	15977.3	16437.3	16760.1	16985.1	16760.1	16437.3	15977.3	15327.7	14513.4	13604.7	12621.2
10°	16908.5	17410.2	17738.0	17971.2	17738.0	17410.2	16908.5	16180.5	15294.8	14329.4	13237.7
7.5°	17606.2	18240.3	18610.2	18839.4	18610.2	18240.3	17606.2	16839.7	15913.4	14875.8	13761.7
5°	18142.8	18841.1	19176.5	19393.5	19176.5	18841.1	18142.8	17352.2	16403.3	15330.6	14193.0
2.5°	18534.6	19085.2	19505.9	19722.2	19505.9	19085.2	18534.6	17727.4	16671.0	15570.2	14406.1
0°	18687.7	19336.6	19633.7	19774.9	19633.7	19336.6	18687.7	17842.7	16850.3	15653.5	14460.9
-2.5°	18534.6	19085.2	19505.9	19722.2	19505.9	19085.2	18534.6	17727.4	16671.0	15570.2	14406.1
-5°	18142.8	18841.1	19176.5	19393.5	19176.5	18841.1	18142.8	17352.2	16403.3	15330.6	14193.0
-7.5°	17606.2	18240.3	18610.2	18839.4	18610.2	18240.3	17606.2	16839.7	15913.4	14875.8	13761.7
-10°	16908.5	17410.2	17738.0	17971.2	17738.0	17410.2	16908.5	16180.5	15294.8	14329.4	13237.7
-12.5°	15977.3	16437.3	16760.1	16985.1	16760.1	16437.3	15977.3	15327.7	14513.4	13604.7	12621.2
-15°	14935.1	15368.4	15691.1	15847.3	15691.1	15368.4	14935.1	14361.1	13611.4	12769.3	11882.4
-17.5°	13810.2	14218.9	14516.6	14661.0	14516.6	14218.9	13810.2	13288.4	12656.5	11895.9	11107.9
-20°	12651.0	12986.7	13252.6	13367.3	13252.6	12986.7	12651.0	12196.4	11658.3	11004.3	10314.0



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	11513.7	11820.6	12050.0	12159.9	12050.0	11820.6	11513.7	11124.0	10650.5	10110.5	9490.8
-25°	10411.0	10669.5	10846.8	10946.3	10846.8	10669.5	10411.0	10075.4	9657.0	9186.0	8647.1
-27.5°	9355.1	9594.1	9752.2	9812.7	9752.2	9594.1	9355.1	9045.3	8656.9	8274.2	7812.3
-30°	8331.2	8531.1	8659.0	8731.7	8659.0	8531.1	8331.2	8073.7	7762.1	7398.3	6976.8
-32.5°	7357.5	7525.3	7629.6	7682.4	7629.6	7525.3	7357.5	7136.3	6857.6	6533.7	6170.7
-35°	6425.4	6573.7	6663.8	6702.6	6663.8	6573.7	6425.4	6228.5	5992.2	5708.7	5360.7
-37.5°	5532.6	5677.1	5769.2	5783.9	5769.2	5677.1	5532.6	5351.6	5128.8	4848.1	4541.8
-40°	4645.9	4757.0	4829.8	4877.9	4829.8	4757.0	4645.9	4487.5	4275.6	4024.6	3767.8
-42.5°	3784.7	3875.6	3927.9	3940.2	3927.9	3875.6	3784.7	3657.6	3492.8	3296.3	3093.4
-45°	3051.6	3116.6	3152.3	3156.4	3152.3	3116.6	3051.6	2961.4	2847.6	2711.5	2559.2
-47.5°	2486.4	2530.6	2557.9	2568.5	2557.9	2530.6	2486.4	2424.6	2346.8	2253.7	2144.8
-50°	2055.7	2087.8	2103.3	2102.9	2103.3	2087.8	2055.7	2010.2	1952.7	1884.7	1804.3
-52.5°	1712.1	1738.4	1749.7	1746.8	1749.7	1738.4	1712.1	1676.9	1634.1	1585.3	1528.0
-55°	1428.5	1443.1	1449.4	1447.6	1449.4	1443.1	1428.5	1406.9	1378.5	1343.9	1302.7
-57.5°	1209.8	1220.8	1231.4	1239.0	1231.4	1220.8	1209.8	1193.5	1172.1	1146.1	1115.1
-60°	1029.0	1037.5	1044.9	1049.3	1044.9	1037.5	1029.0	1017.0	1001.5	982.9	960.9
-62.5°	877.3	881.8	885.6	887.1	885.6	881.8	877.3	869.8	859.2	845.3	828.1
-65°	749.1	752.3	757.2	760.7	757.2	752.3	749.1	743.8	736.5	726.8	714.6
-67.5°	640.6	641.7	644.8	646.9	644.8	641.7	640.6	637.7	633.2	626.4	617.6
-70°	539.3	539.7	537.5	533.1	537.5	539.7	539.3	538.2	537.3	535.6	530.1
-72.5°	417.4	402.9	389.8	375.1	389.8	402.9	417.4	431.0	444.2	452.8	448.7
-75°	304.5	280.1	274.7	269.7	274.7	280.1	304.5	327.8	350.2	367.5	367.3
-77.5°	224.6	200.3	193.7	187.5	193.7	200.3	224.6	248.3	271.1	290.5	292.3
-80°	163.8	141.2	136.8	132.7	136.8	141.2	163.8	185.8	207.3	226.6	230.3
-82.5°	116.3	96.8	92.6	88.5	92.6	96.8	116.3	135.3	153.6	170.6	174.3
-85°	73.3	61.0	57.9	54.8	57.9	61.0	73.3	85.3	97.0	108.0	108.1
-87.5°	36.1	29.4	26.3	23.2	26.3	29.4	36.1	42.6	48.9	55.0	54.3
-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: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	53.5	52.6	51.6	51.9	52.0	52.0	51.7	47.2	42.7	38.4	34.3
85°	107.9	107.4	106.6	107.1	107.2	106.9	105.9	96.0	86.3	77.1	68.8
82.5°	177.3	179.3	179.9	174.3	168.9	163.9	158.5	143.5	129.0	115.0	103.4
80°	233.7	236.7	238.3	232.2	225.5	218.1	208.5	190.1	170.4	150.9	137.7
77.5°	293.7	294.5	293.6	287.5	280.1	271.4	259.4	240.7	221.9	201.7	187.2
75°	366.2	364.2	359.9	351.6	343.2	334.7	323.6	306.7	287.0	264.3	246.8
72.5°	444.2	439.2	431.9	420.6	408.4	395.9	382.8	367.9	351.4	333.4	316.5
70°	523.3	515.0	503.5	489.3	474.8	459.8	443.6	426.6	409.0	390.1	372.7
67.5°	607.4	596.2	581.3	563.8	546.1	527.5	507.8	486.5	465.6	444.7	425.9
65°	700.4	684.2	665.1	646.2	625.1	601.7	576.9	552.6	527.9	501.8	478.4
62.5°	807.9	784.8	761.6	738.5	712.9	684.7	655.5	626.5	595.6	563.8	535.9
60°	935.6	907.0	877.7	845.9	811.7	775.5	742.2	706.5	668.7	633.3	596.8
57.5°	1079.1	1042.7	1008.1	968.7	924.6	882.1	839.0	793.0	750.0	706.2	662.1
55°	1254.9	1209.3	1161.2	1108.8	1054.7	1001.8	946.4	892.2	839.0	781.9	732.7
52.5°	1464.8	1406.4	1341.6	1270.7	1204.9	1136.3	1064.2	1001.1	934.6	870.9	807.1
50°	1722.9	1643.0	1554.3	1462.7	1377.8	1287.6	1203.9	1120.5	1039.9	964.7	889.9
47.5°	2040.4	1928.4	1807.2	1695.2	1577.8	1460.4	1358.2	1253.5	1159.7	1063.8	980.0
45°	2422.8	2269.9	2107.2	1964.2	1808.8	1668.0	1528.6	1406.2	1287.9	1179.8	1072.4
42.5°	2898.9	2682.5	2477.4	2282.3	2082.4	1905.2	1728.8	1576.2	1431.9	1300.6	1179.8
40°	3494.7	3188.2	2930.0	2659.9	2419.1	2174.6	1964.9	1761.6	1593.6	1433.9	1288.4
37.5°	4201.9	3841.6	3479.7	3110.5	2804.8	2504.2	2227.0	1985.2	1763.4	1580.2	1409.9
35°	4972.7	4560.5	4116.9	3679.9	3234.5	2875.5	2527.8	2225.4	1965.7	1734.0	1535.7
32.5°	5758.7	5295.7	4804.3	4296.4	3780.2	3285.9	2874.9	2496.5	2172.2	1908.0	1673.9
30°	6514.1	6018.0	5485.4	4930.8	4353.4	3775.7	3240.7	2802.0	2416.3	2082.2	1812.4
27.5°	7285.9	6721.4	6147.3	5551.5	4933.3	4290.2	3670.3	3112.0	2661.5	2283.8	1965.0
25°	8055.9	7432.8	6791.1	6148.2	5492.4	4806.4	4096.3	3466.3	2930.3	2484.8	2102.9
22.5°	8815.4	8135.8	7436.9	6707.6	6012.0	5287.5	4545.8	3809.0	3178.8	2682.5	2263.0
20°	9585.4	8819.3	8061.0	7271.8	6495.4	5728.5	4959.3	4171.7	3472.8	2887.4	2411.5
17.5°	10317.8	9487.3	8628.5	7767.0	6948.7	6142.1	5330.7	4522.1	3742.7	3073.0	2541.7
15°	11010.6	10085.8	9161.0	8232.4	7341.9	6513.1	5662.5	4825.9	3997.4	3268.8	2687.1
12.5°	11609.7	10597.2	9633.6	8660.3	7713.6	6832.8	5955.2	5088.9	4238.3	3457.0	2817.9
10°	12152.8	11062.7	10043.5	9035.4	8053.7	7110.3	6196.3	5307.3	4432.3	3610.7	2923.5
7.5°	12617.4	11476.7	10388.7	9323.1	8304.1	7317.4	6381.2	5476.9	4584.2	3729.7	3003.6
5°	12973.7	11758.3	10619.1	9510.4	8469.4	7456.6	6510.1	5596.3	4692.3	3812.9	3058.4
2.5°	13141.6	11923.3	10743.6	9614.6	8573.9	7549.6	6600.1	5677.3	4759.2	3875.5	3100.8
0°	13226.1	11985.0	10800.9	9703.1	8674.8	7631.8	6660.5	5718.6	4781.0	3904.4	3118.5
-2.5°	13141.6	11923.3	10743.6	9614.6	8573.9	7549.6	6600.1	5677.3	4759.2	3875.5	3100.8
-5°	12973.7	11758.3	10619.1	9510.4	8469.4	7456.6	6510.1	5596.3	4692.3	3812.9	3058.4
-7.5°	12617.4	11476.7	10388.7	9323.1	8304.1	7317.4	6381.2	5476.9	4584.2	3729.7	3003.6
-10°	12152.8	11062.7	10043.5	9035.4	8053.7	7110.3	6196.3	5307.3	4432.3	3610.7	2923.5
-12.5°	11609.7	10597.2	9633.6	8660.3	7713.6	6832.8	5955.2	5088.9	4238.3	3457.0	2817.9
-15°	11010.6	10085.8	9161.0	8232.4	7341.9	6513.1	5662.5	4825.9	3997.4	3268.8	2687.1
-17.5°	10317.8	9487.3	8628.5	7767.0	6948.7	6142.1	5330.7	4522.1	3742.7	3073.0	2541.7
-20°	9585.4	8819.3	8061.0	7271.8	6495.4	5728.5	4959.3	4171.7	3472.8	2887.4	2411.5



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	8815.4	8135.8	7436.9	6707.6	6012.0	5287.5	4545.8	3809.0	3178.8	2682.5	2263.0
-25°	8055.9	7432.8	6791.1	6148.2	5492.4	4806.4	4096.3	3466.3	2930.3	2484.8	2102.9
-27.5°	7285.9	6721.4	6147.3	5551.5	4933.3	4290.2	3670.3	3112.0	2661.5	2283.8	1965.0
-30°	6514.1	6018.0	5485.4	4930.8	4353.4	3775.7	3240.7	2802.0	2416.3	2082.2	1812.4
-32.5°	5758.7	5295.7	4804.3	4296.4	3780.2	3285.9	2874.9	2496.5	2172.2	1908.0	1673.9
-35°	4972.7	4560.5	4116.9	3679.9	3234.5	2875.5	2527.8	2225.4	1965.7	1734.0	1535.7
-37.5°	4201.9	3841.6	3479.7	3110.5	2804.8	2504.2	2227.0	1985.2	1763.4	1580.2	1409.9
-40°	3494.7	3188.2	2930.0	2659.9	2419.1	2174.6	1964.9	1761.6	1593.6	1433.9	1288.4
-42.5°	2898.9	2682.5	2477.4	2282.3	2082.4	1905.2	1728.8	1576.2	1431.9	1300.6	1179.8
-45°	2422.8	2269.9	2107.2	1964.2	1808.8	1668.0	1528.6	1406.2	1287.9	1179.8	1072.4
-47.5°	2040.4	1928.4	1807.2	1695.2	1577.8	1460.4	1358.2	1253.5	1159.7	1063.8	980.0
-50°	1722.9	1643.0	1554.3	1462.7	1377.8	1287.6	1203.9	1120.5	1039.9	964.7	889.9
-52.5°	1464.8	1406.4	1341.6	1270.7	1204.9	1136.3	1064.2	1001.1	934.6	870.9	807.1
-55°	1254.9	1209.3	1161.2	1108.8	1054.7	1001.8	946.4	892.2	839.0	781.9	732.7
-57.5°	1079.1	1042.7	1008.1	968.7	924.6	882.1	839.0	793.0	750.0	706.2	662.1
-60°	935.6	907.0	877.7	845.9	811.7	775.5	742.2	706.5	668.7	633.3	596.8
-62.5°	807.9	784.8	761.6	738.5	712.9	684.7	655.5	626.5	595.6	563.8	535.9
-65°	700.4	684.2	665.1	646.2	625.1	601.7	576.9	552.6	527.9	501.8	478.4
-67.5°	607.4	596.2	581.3	563.8	546.1	527.5	507.8	486.5	465.6	444.7	425.9
-70°	523.3	515.0	503.5	489.3	474.8	459.8	443.6	426.6	409.0	390.1	372.7
-72.5°	444.2	439.2	431.9	420.6	408.4	395.9	382.8	367.9	351.4	333.4	316.5
-75°	366.2	364.2	359.9	351.6	343.2	334.7	323.6	306.7	287.0	264.3	246.8
-77.5°	293.7	294.5	293.6	287.5	280.1	271.4	259.4	240.7	221.9	201.7	187.2
-80°	233.7	236.7	238.3	232.2	225.5	218.1	208.5	190.1	170.4	150.9	137.7
-82.5°	177.3	179.3	179.9	174.3	168.9	163.9	158.5	143.5	129.0	115.0	103.4
-85°	107.9	107.4	106.6	107.1	107.2	106.9	105.9	96.0	86.3	77.1	68.8
-87.5°	53.5	52.6	51.6	51.9	52.0	52.0	51.7	47.2	42.7	38.4	34.3
-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: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	36.7	38.6	40.1	41.1	39.3	37.4	35.3	33.0	30.4	27.8	24.9
85°	73.0	76.5	79.3	81.2	78.2	74.8	70.5	65.9	60.9	55.5	49.7
82.5°	109.2	113.6	117.0	118.8	114.2	109.0	103.3	97.1	90.2	83.0	74.5
80°	146.1	152.5	157.0	158.2	151.5	143.3	135.6	127.2	117.9	108.0	97.6
77.5°	191.1	195.0	198.7	199.8	192.5	183.4	172.2	158.8	145.5	133.0	119.9
75°	242.9	243.2	243.7	240.4	231.6	223.8	211.3	194.6	174.6	157.8	142.0
72.5°	303.1	293.5	287.8	279.9	266.6	254.9	245.0	229.4	203.6	181.5	163.1
70°	357.1	342.4	329.0	315.5	300.3	284.8	270.9	253.4	231.5	204.4	181.4
67.5°	406.0	387.0	369.2	351.0	333.1	315.1	296.5	274.8	250.9	226.4	199.1
65°	456.6	433.1	408.6	387.7	366.4	345.2	324.3	296.7	270.0	243.5	216.0
62.5°	508.4	481.4	454.0	425.5	399.9	375.7	350.9	320.3	289.2	260.3	231.2
60°	561.0	530.0	498.9	467.1	435.4	406.0	377.2	343.4	310.1	276.8	245.7
57.5°	621.0	579.0	543.5	508.3	473.0	438.2	403.2	367.0	330.4	294.4	259.0
55°	682.9	636.0	590.4	549.6	510.3	471.7	430.4	390.7	350.5	311.9	269.5
52.5°	748.4	693.8	641.9	592.6	548.2	504.3	459.5	414.0	371.7	328.9	280.6
50°	819.5	754.0	694.5	638.7	586.2	537.4	488.0	439.6	392.3	345.9	290.9
47.5°	896.0	819.9	749.4	684.8	627.0	569.4	516.8	464.9	412.5	363.9	300.3
45°	979.5	889.5	807.5	734.4	665.4	603.4	544.8	489.4	434.5	376.5	308.6
42.5°	1062.6	963.3	870.2	782.5	707.8	637.3	571.6	513.6	455.8	388.2	317.7
40°	1158.6	1037.5	932.6	837.6	749.5	670.2	600.9	536.7	475.7	399.9	327.1
37.5°	1252.8	1118.1	998.2	889.3	791.3	706.7	629.3	558.5	490.6	412.5	335.7
35°	1361.3	1202.4	1059.0	942.2	836.3	741.5	656.4	580.6	506.3	424.6	343.5
32.5°	1466.9	1286.8	1130.0	995.2	878.2	774.3	684.6	603.2	522.8	436.0	350.4
30°	1582.6	1375.8	1197.1	1044.8	919.0	809.6	712.5	624.7	539.9	446.6	357.2
27.5°	1692.3	1457.7	1261.9	1098.9	961.3	842.5	738.4	645.1	557.5	457.8	364.9
25°	1801.2	1546.6	1331.5	1151.1	1000.1	873.0	762.3	664.3	574.2	470.6	371.8
22.5°	1918.9	1632.8	1394.1	1198.0	1036.6	900.9	785.8	683.9	589.4	483.1	377.8
20°	2026.2	1710.7	1450.5	1244.4	1074.1	930.9	808.5	701.5	603.3	495.0	382.8
17.5°	2126.5	1790.7	1516.1	1293.4	1110.2	957.6	828.6	717.0	615.7	506.3	386.8
15°	2234.1	1870.8	1575.6	1336.4	1141.8	981.0	846.0	730.5	626.6	516.6	390.6
12.5°	2326.3	1938.3	1626.3	1373.1	1168.6	1000.8	860.8	741.9	636.0	525.8	394.1
10°	2402.1	1993.0	1667.9	1403.3	1190.5	1017.1	872.7	751.3	643.1	533.3	396.1
7.5°	2461.0	2034.8	1700.2	1427.0	1207.7	1030.6	883.0	758.9	648.4	539.0	396.6
5°	2504.3	2067.3	1722.2	1444.2	1220.4	1041.3	890.7	764.5	651.9	542.8	395.7
2.5°	2537.0	2093.4	1734.0	1454.6	1228.0	1048.3	895.6	767.9	653.5	544.3	393.4
0°	2551.7	2107.1	1736.2	1458.1	1230.5	1051.4	897.6	769.1	653.2	543.6	389.8
-2.5°	2537.0	2093.4	1734.0	1454.6	1228.0	1048.3	895.6	767.9	653.5	544.3	393.4
-5°	2504.3	2067.3	1722.2	1444.2	1220.4	1041.3	890.7	764.5	651.9	542.8	395.7
-7.5°	2461.0	2034.8	1700.2	1427.0	1207.7	1030.6	883.0	758.9	648.4	539.0	396.6
-10°	2402.1	1993.0	1667.9	1403.3	1190.5	1017.1	872.7	751.3	643.1	533.3	396.1
-12.5°	2326.3	1938.3	1626.3	1373.1	1168.6	1000.8	860.8	741.9	636.0	525.8	394.1
-15°	2234.1	1870.8	1575.6	1336.4	1141.8	981.0	846.0	730.5	626.6	516.6	390.6
-17.5°	2126.5	1790.7	1516.1	1293.4	1110.2	957.6	828.6	717.0	615.7	506.3	386.8
-20°	2026.2	1710.7	1450.5	1244.4	1074.1	930.9	808.5	701.5	603.3	495.0	382.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	1918.9	1632.8	1394.1	1198.0	1036.6	900.9	785.8	683.9	589.4	483.1	377.8
-25°	1801.2	1546.6	1331.5	1151.1	1000.1	873.0	762.3	664.3	574.2	470.6	371.8
-27.5°	1692.3	1457.7	1261.9	1098.9	961.3	842.5	738.4	645.1	557.5	457.8	364.9
-30°	1582.6	1375.8	1197.1	1044.8	919.0	809.6	712.5	624.7	539.9	446.6	357.2
-32.5°	1466.9	1286.8	1130.0	995.2	878.2	774.3	684.6	603.2	522.8	436.0	350.4
-35°	1361.3	1202.4	1059.0	942.2	836.3	741.5	656.4	580.6	506.3	424.6	343.5
-37.5°	1252.8	1118.1	998.2	889.3	791.3	706.7	629.3	558.5	490.6	412.5	335.7
-40°	1158.6	1037.5	932.6	837.6	749.5	670.2	600.9	536.7	475.7	399.9	327.1
-42.5°	1062.6	963.3	870.2	782.5	707.8	637.3	571.6	513.6	455.8	388.2	317.7
-45°	979.5	889.5	807.5	734.4	665.4	603.4	544.8	489.4	434.5	376.5	308.6
-47.5°	896.0	819.9	749.4	684.8	627.0	569.4	516.8	464.9	412.5	363.9	300.3
-50°	819.5	754.0	694.5	638.7	586.2	537.4	488.0	439.6	392.3	345.9	290.9
-52.5°	748.4	693.8	641.9	592.6	548.2	504.3	459.5	414.0	371.7	328.9	280.6
-55°	682.9	636.0	590.4	549.6	510.3	471.7	430.4	390.7	350.5	311.9	269.5
-57.5°	621.0	579.0	543.5	508.3	473.0	438.2	403.2	367.0	330.4	294.4	259.0
-60°	561.0	530.0	498.9	467.1	435.4	406.0	377.2	343.4	310.1	276.8	245.7
-62.5°	508.4	481.4	454.0	425.5	399.9	375.7	350.9	320.3	289.2	260.3	231.2
-65°	456.6	433.1	408.6	387.7	366.4	345.2	324.3	296.7	270.0	243.5	216.0
-67.5°	406.0	387.0	369.2	351.0	333.1	315.1	296.5	274.8	250.9	226.4	199.1
-70°	357.1	342.4	329.0	315.5	300.3	284.8	270.9	253.4	231.5	204.4	181.4
-72.5°	303.1	293.5	287.8	279.9	266.6	254.9	245.0	229.4	203.6	181.5	163.1
-75°	242.9	243.2	243.7	240.4	231.6	223.8	211.3	194.6	174.6	157.8	142.0
-77.5°	191.1	195.0	198.7	199.8	192.5	183.4	172.2	158.8	145.5	133.0	119.9
-80°	146.1	152.5	157.0	158.2	151.5	143.3	135.6	127.2	117.9	108.0	97.6
-82.5°	109.2	113.6	117.0	118.8	114.2	109.0	103.3	97.1	90.2	83.0	74.5
-85°	73.0	76.5	79.3	81.2	78.2	74.8	70.5	65.9	60.9	55.5	49.7
-87.5°	36.7	38.6	40.1	41.1	39.3	37.4	35.3	33.0	30.4	27.8	24.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-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°	21.8	16.5	11.9	7.9	4.6	2.1	0.0
85°	43.5	33.0	23.7	15.8	9.2	4.1	0.0
82.5°	65.0	49.3	35.4	23.6	13.7	6.2	0.0
80°	85.9	65.3	47.0	31.3	18.2	8.2	0.0
77.5°	104.4	80.3	58.4	38.9	22.7	10.2	0.0
75°	122.4	93.3	69.1	46.3	27.1	12.2	0.0
72.5°	139.7	105.9	77.7	53.5	31.4	14.2	0.0
70°	155.7	118.0	86.0	60.2	35.6	16.1	0.0
67.5°	167.9	129.4	93.8	65.1	39.7	18.0	0.0
65°	179.5	139.3	101.2	69.8	43.7	19.8	0.0
62.5°	190.4	147.8	108.1	74.2	47.5	21.6	0.0
60°	200.5	155.7	114.5	78.2	51.2	23.3	0.0
57.5°	210.0	163.1	120.0	82.0	53.7	25.0	0.0
55°	218.8	169.9	125.2	85.3	56.0	26.6	0.0
52.5°	227.0	176.2	129.8	88.4	58.3	28.2	0.0
50°	234.5	182.3	134.1	91.0	60.4	29.7	0.0
47.5°	241.4	187.9	137.8	93.4	62.5	31.1	0.0
45°	248.5	192.9	141.1	95.8	64.4	32.4	0.0
42.5°	254.8	197.3	143.9	97.9	66.2	33.7	0.0
40°	260.2	201.1	146.6	100.6	68.0	34.9	0.0
37.5°	264.8	204.3	149.2	103.5	69.6	36.0	0.0
35°	268.6	207.3	151.3	106.1	71.0	37.0	0.0
32.5°	272.3	209.9	153.0	108.5	72.4	37.9	0.0
30°	277.2	211.7	154.2	110.7	73.6	38.8	0.0
27.5°	281.4	212.9	157.1	112.6	74.7	39.5	0.0
25°	284.7	213.5	159.8	114.3	75.7	40.2	0.0
22.5°	287.2	214.5	162.1	115.8	76.6	40.8	0.0
20°	288.8	217.6	164.0	117.0	77.3	41.3	0.0
17.5°	291.8	220.3	165.4	118.0	77.8	41.7	0.0
15°	295.1	222.5	166.5	118.7	78.3	42.0	0.0
12.5°	297.3	224.3	167.1	119.2	78.6	42.2	0.0
10°	298.3	225.6	167.4	119.4	78.7	42.4	0.0
7.5°	298.4	226.4	167.2	119.4	78.8	42.4	0.0
5°	297.5	226.7	166.6	119.2	78.6	42.4	0.0
2.5°	295.6	226.4	165.7	118.7	78.4	42.3	0.0
0°	292.9	225.5	164.4	118.0	78.0	42.1	0.0
-2.5°	295.6	226.4	165.7	118.7	78.4	42.3	0.0
-5°	297.5	226.7	166.6	119.2	78.6	42.4	0.0
-7.5°	298.4	226.4	167.2	119.4	78.8	42.4	0.0
-10°	298.3	225.6	167.4	119.4	78.7	42.4	0.0
-12.5°	297.3	224.3	167.1	119.2	78.6	42.2	0.0
-15°	295.1	222.5	166.5	118.7	78.3	42.0	0.0
-17.5°	291.8	220.3	165.4	118.0	77.8	41.7	0.0
-20°	288.8	217.6	164.0	117.0	77.3	41.3	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-66

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	287.2	214.5	162.1	115.8	76.6	40.8	0.0
-25°	284.7	213.5	159.8	114.3	75.7	40.2	0.0
-27.5°	281.4	212.9	157.1	112.6	74.7	39.5	0.0
-30°	277.2	211.7	154.2	110.7	73.6	38.8	0.0
-32.5°	272.3	209.9	153.0	108.5	72.4	37.9	0.0
-35°	268.6	207.3	151.3	106.1	71.0	37.0	0.0
-37.5°	264.8	204.3	149.2	103.5	69.6	36.0	0.0
-40°	260.2	201.1	146.6	100.6	68.0	34.9	0.0
-42.5°	254.8	197.3	143.9	97.9	66.2	33.7	0.0
-45°	248.5	192.9	141.1	95.8	64.4	32.4	0.0
-47.5°	241.4	187.9	137.8	93.4	62.5	31.1	0.0
-50°	234.5	182.3	134.1	91.0	60.4	29.7	0.0
-52.5°	227.0	176.2	129.8	88.4	58.3	28.2	0.0
-55°	218.8	169.9	125.2	85.3	56.0	26.6	0.0
-57.5°	210.0	163.1	120.0	82.0	53.7	25.0	0.0
-60°	200.5	155.7	114.5	78.2	51.2	23.3	0.0
-62.5°	190.4	147.8	108.1	74.2	47.5	21.6	0.0
-65°	179.5	139.3	101.2	69.8	43.7	19.8	0.0
-67.5°	167.9	129.4	93.8	65.1	39.7	18.0	0.0
-70°	155.7	118.0	86.0	60.2	35.6	16.1	0.0
-72.5°	139.7	105.9	77.7	53.5	31.4	14.2	0.0
-75°	122.4	93.3	69.1	46.3	27.1	12.2	0.0
-77.5°	104.4	80.3	58.4	38.9	22.7	10.2	0.0
-80°	85.9	65.3	47.0	31.3	18.2	8.2	0.0
-82.5°	65.0	49.3	35.4	23.6	13.7	6.2	0.0
-85°	43.5	33.0	23.7	15.8	9.2	4.1	0.0
-87.5°	21.8	16.5	11.9	7.9	4.6	2.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)