

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: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-4000K-66**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624795 (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-4000K-66
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 66 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65312 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 54.2°H x 54.7°V
Beam Lumens: 31407.6 lumens
Beam Efficiency: 48.1%

NEMA Type: 6H x 6V
Max Intensity: 62986.3 candela
Max Intensity Angle: 0°H x 0°V

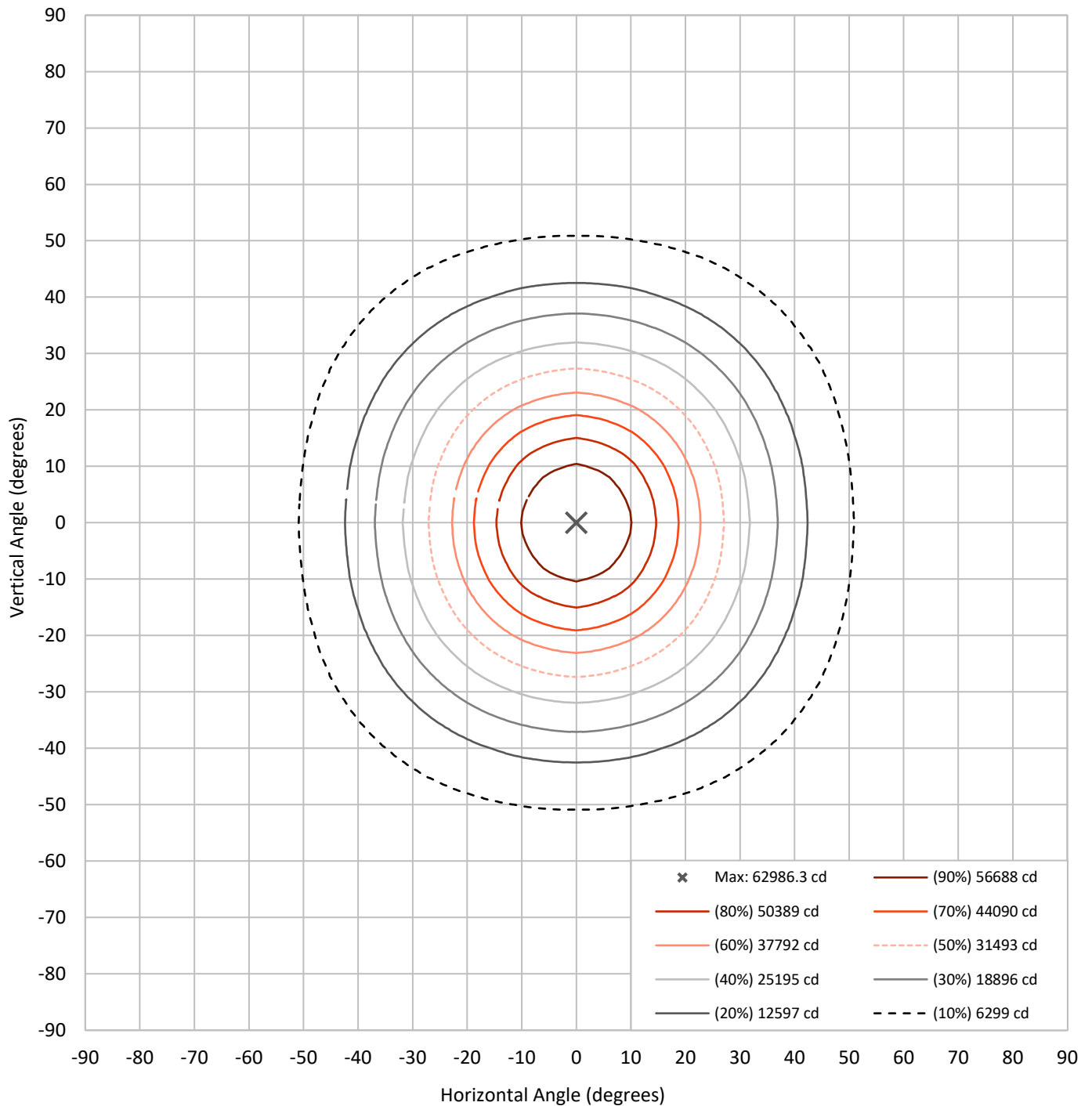
Field Angle (10%): 101.7°H x 101.8°V
Field Lumens: 57318.6 lumens
Field Efficiency: 87.8%

Input Watts (W): 499
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: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

Iso-Candela Plot





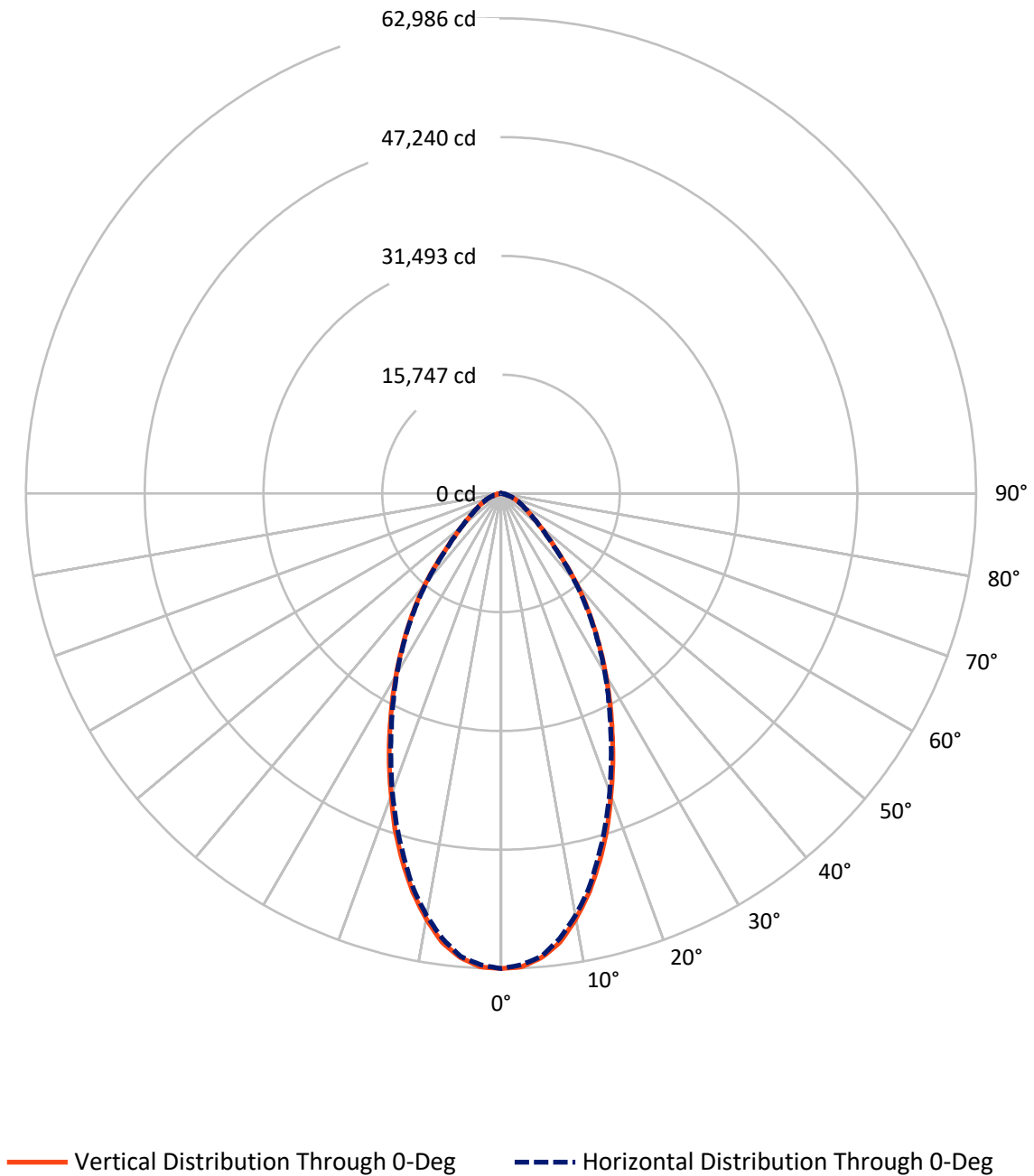
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Lumen Table

90																			
80	4.6	28.0		56.4		85.9		73.5		85.9		56.4		28.0		4.6			
70																			
60	11.5	12.3	21.7	33.1	46.3	59.2	69.0	73.9	73.9	69.0	59.2	46.3	33.1	21.7	12.3	11.5			
50		16.2	30.9	50.8	76.1	103.7	128.5	143.4	143.4	128.5	103.7	76.1	50.8	30.9	16.2				
40	15.4	20.3	41.4	74.8	124.1	190.3	261.9	310.4	310.4	261.9	190.3	124.1	74.8	41.4	20.3	15.4			
30		24.2	53.5	107.6	206.5	365.2	531.1	633.7	633.7	531.1	365.2	206.5	107.6	53.5	24.2				
20	17.8	27.8	65.8	149.2	330.4	596.5	856.8	1028.1	1028.1	856.8	596.5	330.4	149.2	65.8	27.8	17.8			
10		30.7	76.8	191.9	450.1	803.1	1189.1	1468.4	1468.4	1189.1	803.1	450.1	191.9	76.8	30.7				
0	18.6	32.2	83.4	219.9	519.1	931.4	1418.5	1783.0	1783.0	1418.5	931.4	519.1	219.9	83.4	32.2	18.6			
-10		32.2	83.4	219.9	519.1	931.4	1418.5	1783.0	1783.0	1418.5	931.4	519.1	219.9	83.4	32.2				
-20	17.8	30.7	76.8	191.9	450.1	803.1	1189.1	1468.4	1468.4	1189.1	803.1	450.1	191.9	76.8	30.7	17.8			
-30		27.8	65.8	149.2	330.4	596.5	856.8	1028.1	1028.1	856.8	596.5	330.4	149.2	65.8	27.8				
-40	15.4	24.2	53.5	107.6	206.5	365.2	531.1	633.7	633.7	531.1	365.2	206.5	107.6	53.5	24.2	15.4			
-50		20.3	41.4	74.8	124.1	190.3	261.9	310.4	310.4	261.9	190.3	124.1	74.8	41.4	20.3				
-60	11.5	16.2	30.9	50.8	76.1	103.7	128.5	143.4	143.4	128.5	103.7	76.1	50.8	30.9	16.2	11.5			
-70		12.3	21.7	33.1	46.3	59.2	69.0	73.9	73.9	69.0	59.2	46.3	33.1	21.7	12.3				
-80	4.6	28.0		56.4		85.9		73.5		85.9		56.4		28.0		4.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

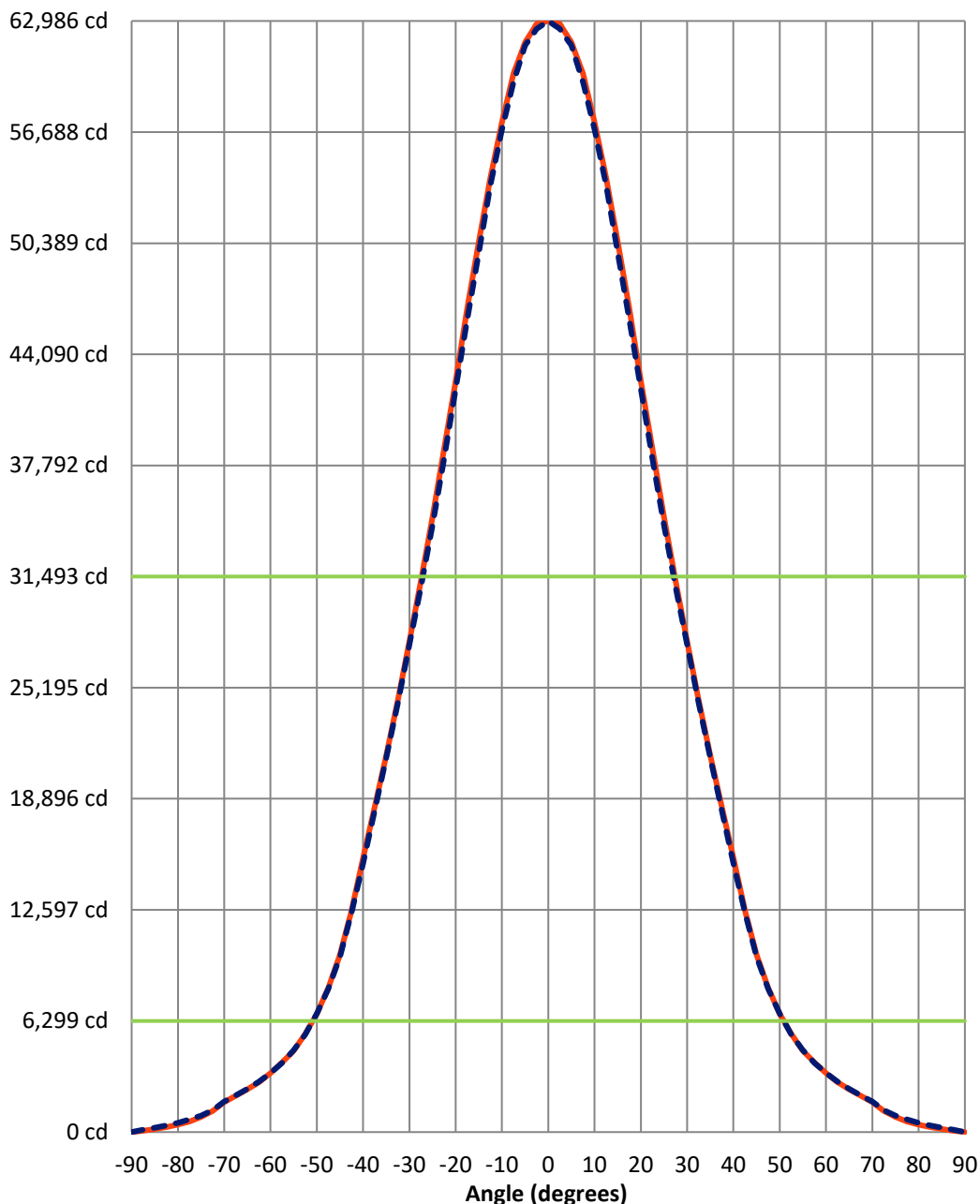
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 54.2°
 V Angle: 54.7°
 Lumens: 31407.6
 Efficiency: 48.1%

Field:
 H Angle: 101.7°
 V Angle: 101.8°
 Lumens: 57318.6
 Efficiency: 87.8%

Spill:
 Lumens: 7993.4
 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	6.6	14.6	25.2	37.9	52.6	69.4	79.2	88.4	96.9	104.9
85°	0.0	13.2	29.2	50.2	75.5	105.0	138.5	158.3	176.7	193.8	209.8
82.5°	0.0	19.7	43.7	75.1	112.9	156.9	207.0	237.3	264.2	287.4	309.2
80°	0.0	26.2	58.0	99.7	149.7	208.0	273.6	311.0	344.1	375.5	405.2
77.5°	0.0	32.6	72.2	123.8	185.9	255.7	332.6	381.9	423.7	463.4	505.8
75°	0.0	38.9	86.2	147.5	220.1	297.3	389.8	452.3	502.6	556.2	619.7
72.5°	0.0	45.2	99.9	170.5	247.5	337.5	444.9	519.6	578.1	648.6	730.6
70°	0.0	51.3	113.3	191.8	273.8	375.8	496.1	578.0	651.2	737.3	807.2
67.5°	0.0	57.3	126.3	207.4	298.8	412.2	534.9	634.3	721.1	799.2	875.1
65°	0.0	63.1	139.0	222.3	322.4	443.8	571.8	688.1	775.7	860.0	944.9
62.5°	0.0	68.8	151.3	236.2	344.4	470.8	606.5	736.6	829.2	921.3	1020.2
60°	0.0	74.4	163.2	249.2	364.7	496.2	638.9	782.7	881.6	987.6	1093.8
57.5°	0.0	79.7	171.0	261.1	382.4	519.7	669.0	825.1	937.7	1052.3	1169.0
55°	0.0	84.9	178.4	271.9	398.8	541.3	697.1	858.6	993.6	1116.4	1244.5
52.5°	0.0	89.8	185.6	281.5	413.7	561.2	723.1	893.9	1047.6	1183.8	1318.5
50°	0.0	94.5	192.4	290.0	427.1	580.8	747.0	926.7	1101.8	1249.7	1400.3
47.5°	0.0	99.0	199.0	297.6	439.1	598.5	769.1	956.5	1159.1	1313.9	1480.9
45°	0.0	103.3	205.1	305.2	449.5	614.4	791.6	983.1	1199.3	1384.1	1559.1
42.5°	0.0	107.3	211.0	311.9	458.3	628.4	811.6	1011.9	1236.4	1452.0	1636.0
40°	0.0	111.1	216.4	320.4	466.9	640.6	828.9	1041.8	1273.6	1515.3	1709.5
37.5°	0.0	114.6	221.5	329.5	475.2	650.8	843.5	1069.2	1313.9	1562.7	1779.1
35°	0.0	117.8	226.3	338.0	482.0	660.4	855.4	1094.0	1352.4	1612.9	1849.4
32.5°	0.0	120.8	230.6	345.7	487.4	668.5	867.4	1116.1	1388.7	1665.4	1921.3
30°	0.0	123.5	234.5	352.6	491.3	674.5	883.1	1137.5	1422.7	1719.8	1989.9
27.5°	0.0	125.9	238.0	358.8	500.5	678.3	896.3	1162.3	1458.3	1775.6	2054.8
25°	0.0	128.1	241.1	364.2	509.1	680.0	906.8	1184.3	1499.0	1829.0	2116.0
22.5°	0.0	129.9	243.8	368.9	516.4	683.1	914.7	1203.4	1538.7	1877.4	2178.3
20°	0.0	131.5	246.0	372.8	522.4	693.0	919.8	1219.4	1576.8	1921.6	2234.4
17.5°	0.0	132.8	247.8	375.9	527.0	701.6	929.4	1232.1	1612.6	1961.1	2283.9
15°	0.0	133.8	249.2	378.2	530.3	708.8	939.9	1244.1	1645.4	1995.9	2326.9
12.5°	0.0	134.6	250.2	379.7	532.3	714.5	946.8	1255.1	1674.6	2025.7	2363.0
10°	0.0	135.0	250.7	380.4	533.0	718.6	950.2	1261.5	1698.7	2048.4	2392.9
7.5°	0.0	135.2	250.7	380.4	532.4	721.1	950.3	1263.3	1716.9	2065.4	2417.3
5°	0.0	135.1	250.4	379.6	530.6	721.9	947.4	1260.5	1728.8	2076.4	2435.1
2.5°	0.0	134.8	249.6	378.1	527.7	720.9	941.5	1253.2	1733.8	2081.6	2446.0
0°	0.0	134.2	248.3	375.8	523.5	718.1	932.9	1241.6	1731.5	2080.5	2449.7
-2.5°	0.0	134.8	249.6	378.1	527.7	720.9	941.5	1253.2	1733.8	2081.6	2446.0
-5°	0.0	135.1	250.4	379.6	530.6	721.9	947.4	1260.5	1728.8	2076.4	2435.1
-7.5°	0.0	135.2	250.7	380.4	532.4	721.1	950.3	1263.3	1716.9	2065.4	2417.3
-10°	0.0	135.0	250.7	380.4	533.0	718.6	950.2	1261.5	1698.7	2048.4	2392.9
-12.5°	0.0	134.6	250.2	379.7	532.3	714.5	946.8	1255.1	1674.6	2025.7	2363.0
-15°	0.0	133.8	249.2	378.2	530.3	708.8	939.9	1244.1	1645.4	1995.9	2326.9
-17.5°	0.0	132.8	247.8	375.9	527.0	701.6	929.4	1232.1	1612.6	1961.1	2283.9
-20°	0.0	131.5	246.0	372.8	522.4	693.0	919.8	1219.4	1576.8	1921.6	2234.4

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Scaled Data Report



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	129.9	243.8	368.9	516.4	683.1	914.7	1203.4	1538.7	1877.4	2178.3
-25°	0.0	128.1	241.1	364.2	509.1	680.0	906.8	1184.3	1499.0	1829.0	2116.0
-27.5°	0.0	125.9	238.0	358.8	500.5	678.3	896.3	1162.3	1458.3	1775.6	2054.8
-30°	0.0	123.5	234.5	352.6	491.3	674.5	883.1	1137.5	1422.7	1719.8	1989.9
-32.5°	0.0	120.8	230.6	345.7	487.4	668.5	867.4	1116.1	1388.7	1665.4	1921.3
-35°	0.0	117.8	226.3	338.0	482.0	660.4	855.4	1094.0	1352.4	1612.9	1849.4
-37.5°	0.0	114.6	221.5	329.5	475.2	650.8	843.5	1069.2	1313.9	1562.7	1779.1
-40°	0.0	111.1	216.4	320.4	466.9	640.6	828.9	1041.8	1273.6	1515.3	1709.5
-42.5°	0.0	107.3	211.0	311.9	458.3	628.4	811.6	1011.9	1236.4	1452.0	1636.0
-45°	0.0	103.3	205.1	305.2	449.5	614.4	791.6	983.1	1199.3	1384.1	1559.1
-47.5°	0.0	99.0	199.0	297.6	439.1	598.5	769.1	956.5	1159.1	1313.9	1480.9
-50°	0.0	94.5	192.4	290.0	427.1	580.8	747.0	926.7	1101.8	1249.7	1400.3
-52.5°	0.0	89.8	185.6	281.5	413.7	561.2	723.1	893.9	1047.6	1183.8	1318.5
-55°	0.0	84.9	178.4	271.9	398.8	541.3	697.1	858.6	993.6	1116.4	1244.5
-57.5°	0.0	79.7	171.0	261.1	382.4	519.7	669.0	825.1	937.7	1052.3	1169.0
-60°	0.0	74.4	163.2	249.2	364.7	496.2	638.9	782.7	881.6	987.6	1093.8
-62.5°	0.0	68.8	151.3	236.2	344.4	470.8	606.5	736.6	829.2	921.3	1020.2
-65°	0.0	63.1	139.0	222.3	322.4	443.8	571.8	688.1	775.7	860.0	944.9
-67.5°	0.0	57.3	126.3	207.4	298.8	412.2	534.9	634.3	721.1	799.2	875.1
-70°	0.0	51.3	113.3	191.8	273.8	375.8	496.1	578.0	651.2	737.3	807.2
-72.5°	0.0	45.2	99.9	170.5	247.5	337.5	444.9	519.6	578.1	648.6	730.6
-75°	0.0	38.9	86.2	147.5	220.1	297.3	389.8	452.3	502.6	556.2	619.7
-77.5°	0.0	32.6	72.2	123.8	185.9	255.7	332.6	381.9	423.7	463.4	505.8
-80°	0.0	26.2	58.0	99.7	149.7	208.0	273.6	311.0	344.1	375.5	405.2
-82.5°	0.0	19.7	43.7	75.1	112.9	156.9	207.0	237.3	264.2	287.4	309.2
-85°	0.0	13.2	29.2	50.2	75.5	105.0	138.5	158.3	176.7	193.8	209.8
-87.5°	0.0	6.6	14.6	25.2	37.9	52.6	69.4	79.2	88.4	96.9	104.9
-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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CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	112.3	119.1	125.3	130.9	127.8	123.1	116.9	109.3	122.4	136.1	150.3
85°	224.6	238.2	249.1	258.8	252.8	243.8	232.6	219.2	245.6	275.0	305.7
82.5°	329.1	347.2	363.6	378.2	372.7	361.9	347.7	329.5	366.3	411.0	457.2
80°	432.0	456.2	482.3	503.9	500.1	485.8	465.2	438.5	480.4	542.6	605.2
77.5°	548.6	584.0	613.2	636.3	632.7	621.0	608.8	596.2	642.5	706.9	766.5
75°	673.0	712.7	737.8	765.7	776.4	774.7	773.9	786.3	842.0	914.1	976.9
72.5°	780.3	811.9	849.1	891.7	916.8	934.8	965.5	1008.1	1061.8	1119.3	1171.8
70°	862.8	907.0	956.6	1005.1	1047.8	1090.4	1137.3	1187.1	1242.4	1302.5	1358.8
67.5°	944.5	1003.5	1061.1	1117.8	1175.7	1232.6	1293.1	1356.5	1416.3	1483.1	1549.7
65°	1032.8	1099.4	1166.9	1234.7	1301.5	1379.6	1454.3	1523.8	1598.4	1681.5	1760.2
62.5°	1117.8	1196.8	1273.7	1355.2	1446.0	1533.4	1619.3	1707.1	1795.9	1897.2	1995.6
60°	1201.4	1293.3	1386.9	1487.9	1589.2	1688.3	1787.0	1900.9	2017.1	2129.9	2250.6
57.5°	1284.4	1395.8	1506.5	1619.1	1731.3	1844.2	1978.1	2109.0	2249.4	2389.0	2525.8
55°	1370.9	1502.5	1625.5	1750.7	1880.5	2025.7	2175.0	2333.9	2490.6	2672.3	2841.7
52.5°	1463.6	1606.2	1746.1	1887.7	2044.5	2209.9	2383.7	2570.8	2773.8	2976.8	3188.5
50°	1554.3	1711.8	1867.2	2034.3	2212.0	2401.6	2610.1	2834.3	3072.7	3312.2	3569.1
47.5°	1646.0	1813.6	1997.0	2181.1	2387.1	2611.6	2853.8	3121.5	3388.5	3693.8	3992.5
45°	1735.2	1921.9	2119.2	2339.3	2572.0	2833.2	3119.6	3415.9	3757.8	4102.2	4479.1
42.5°	1820.6	2030.1	2254.3	2492.5	2771.5	3068.0	3384.6	3758.0	4142.8	4560.9	5020.3
40°	1913.9	2134.5	2387.4	2667.8	2970.4	3304.5	3690.4	4103.9	4567.2	5075.9	5611.1
37.5°	2004.6	2251.1	2520.6	2832.6	3179.3	3561.2	3990.5	4490.8	5033.0	5616.6	6323.3
35°	2090.9	2361.8	2663.7	3001.1	3373.2	3829.9	4336.1	4891.5	5523.1	6261.2	7088.4
32.5°	2180.6	2466.2	2797.2	3169.9	3599.3	4098.8	4672.3	5331.6	6077.2	6918.9	7951.9
30°	2269.5	2578.7	2927.4	3327.8	3813.1	4382.1	5040.9	5772.8	6632.4	7696.4	8924.9
27.5°	2352.1	2683.5	3062.0	3500.4	4019.4	4643.1	5390.2	6258.8	7274.5	8477.4	9912.2
25°	2428.2	2780.7	3185.6	3666.7	4241.0	4926.2	5737.0	6698.1	7914.6	9333.5	11040.8
22.5°	2502.9	2869.7	3301.8	3816.1	4440.6	5200.7	6112.0	7207.9	8544.1	10125.1	12132.4
20°	2575.2	2965.2	3421.2	3963.8	4620.1	5448.7	6453.7	7681.0	9196.9	11061.6	13287.7
17.5°	2639.2	3050.3	3536.3	4119.8	4828.9	5703.5	6773.2	8095.8	9788.2	11921.2	14403.8
15°	2694.8	3124.7	3636.8	4256.6	5018.6	5958.8	7115.9	8558.9	10411.7	12732.2	15371.5
12.5°	2741.7	3187.9	3722.1	4373.5	5179.9	6173.8	7409.6	8975.4	11011.0	13499.7	16209.2
10°	2779.8	3239.8	3792.1	4469.8	5312.3	6348.1	7651.1	9311.8	11500.8	14117.7	16904.5
7.5°	2812.6	3282.7	3846.7	4545.2	5415.2	6481.2	7838.8	9567.2	11879.8	14601.5	17445.0
5°	2837.1	3316.8	3887.3	4600.1	5485.3	6584.7	7976.7	9741.7	12145.0	14945.6	17825.2
2.5°	2852.6	3339.0	3911.4	4633.2	5523.0	6667.8	8080.6	9876.6	12344.1	15158.5	18083.3
0°	2859.0	3349.0	3919.4	4644.3	5530.2	6711.4	8127.5	9932.8	12436.2	15228.1	18214.7
-2.5°	2852.6	3339.0	3911.4	4633.2	5523.0	6667.8	8080.6	9876.6	12344.1	15158.5	18083.3
-5°	2837.1	3316.8	3887.3	4600.1	5485.3	6584.7	7976.7	9741.7	12145.0	14945.6	17825.2
-7.5°	2812.6	3282.7	3846.7	4545.2	5415.2	6481.2	7838.8	9567.2	11879.8	14601.5	17445.0
-10°	2779.8	3239.8	3792.1	4469.8	5312.3	6348.1	7651.1	9311.8	11500.8	14117.7	16904.5
-12.5°	2741.7	3187.9	3722.1	4373.5	5179.9	6173.8	7409.6	8975.4	11011.0	13499.7	16209.2
-15°	2694.8	3124.7	3636.8	4256.6	5018.6	5958.8	7115.9	8558.9	10411.7	12732.2	15371.5
-17.5°	2639.2	3050.3	3536.3	4119.8	4828.9	5703.5	6773.2	8095.8	9788.2	11921.2	14403.8
-20°	2575.2	2965.2	3421.2	3963.8	4620.1	5448.7	6453.7	7681.0	9196.9	11061.6	13287.7



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2502.9	2869.7	3301.8	3816.1	4440.6	5200.7	6112.0	7207.9	8544.1	10125.1	12132.4
-25°	2428.2	2780.7	3185.6	3666.7	4241.0	4926.2	5737.0	6698.1	7914.6	9333.5	11040.8
-27.5°	2352.1	2683.5	3062.0	3500.4	4019.4	4643.1	5390.2	6258.8	7274.5	8477.4	9912.2
-30°	2269.5	2578.7	2927.4	3327.8	3813.1	4382.1	5040.9	5772.8	6632.4	7696.4	8924.9
-32.5°	2180.6	2466.2	2797.2	3169.9	3599.3	4098.8	4672.3	5331.6	6077.2	6918.9	7951.9
-35°	2090.9	2361.8	2663.7	3001.1	3373.2	3829.9	4336.1	4891.5	5523.1	6261.2	7088.4
-37.5°	2004.6	2251.1	2520.6	2832.6	3179.3	3561.2	3990.5	4490.8	5033.0	5616.6	6323.3
-40°	1913.9	2134.5	2387.4	2667.8	2970.4	3304.5	3690.4	4103.9	4567.2	5075.9	5611.1
-42.5°	1820.6	2030.1	2254.3	2492.5	2771.5	3068.0	3384.6	3758.0	4142.8	4560.9	5020.3
-45°	1735.2	1921.9	2119.2	2339.3	2572.0	2833.2	3119.6	3415.9	3757.8	4102.2	4479.1
-47.5°	1646.0	1813.6	1997.0	2181.1	2387.1	2611.6	2853.8	3121.5	3388.5	3693.8	3992.5
-50°	1554.3	1711.8	1867.2	2034.3	2212.0	2401.6	2610.1	2834.3	3072.7	3312.2	3569.1
-52.5°	1463.6	1606.2	1746.1	1887.7	2044.5	2209.9	2383.7	2570.8	2773.8	2976.8	3188.5
-55°	1370.9	1502.5	1625.5	1750.7	1880.5	2025.7	2175.0	2333.9	2490.6	2672.3	2841.7
-57.5°	1284.4	1395.8	1506.5	1619.1	1731.3	1844.2	1978.1	2109.0	2249.4	2389.0	2525.8
-60°	1201.4	1293.3	1386.9	1487.9	1589.2	1688.3	1787.0	1900.9	2017.1	2129.9	2250.6
-62.5°	1117.8	1196.8	1273.7	1355.2	1446.0	1533.4	1619.3	1707.1	1795.9	1897.2	1995.6
-65°	1032.8	1099.4	1166.9	1234.7	1301.5	1379.6	1454.3	1523.8	1598.4	1681.5	1760.2
-67.5°	944.5	1003.5	1061.1	1117.8	1175.7	1232.6	1293.1	1356.5	1416.3	1483.1	1549.7
-70°	862.8	907.0	956.6	1005.1	1047.8	1090.4	1137.3	1187.1	1242.4	1302.5	1358.8
-72.5°	780.3	811.9	849.1	891.7	916.8	934.8	965.5	1008.1	1061.8	1119.3	1171.8
-75°	673.0	712.7	737.8	765.7	776.4	774.7	773.9	786.3	842.0	914.1	976.9
-77.5°	548.6	584.0	613.2	636.3	632.7	621.0	608.8	596.2	642.5	706.9	766.5
-80°	432.0	456.2	482.3	503.9	500.1	485.8	465.2	438.5	480.4	542.6	605.2
-82.5°	329.1	347.2	363.6	378.2	372.7	361.9	347.7	329.5	366.3	411.0	457.2
-85°	224.6	238.2	249.1	258.8	252.8	243.8	232.6	219.2	245.6	275.0	305.7
-87.5°	112.3	119.1	125.3	130.9	127.8	123.1	116.9	109.3	122.4	136.1	150.3
-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: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	164.8	165.6	165.7	165.2	164.3	167.4	170.3	172.8	175.0	155.7	135.6
85°	337.4	340.5	341.3	341.0	339.6	342.0	343.6	344.2	343.9	308.7	271.6
82.5°	504.7	522.1	537.9	555.0	573.0	571.1	564.6	555.3	543.4	489.4	431.0
80°	664.1	694.7	718.1	739.5	758.8	753.8	744.3	733.6	721.9	660.2	591.9
77.5°	826.2	864.5	892.1	915.6	935.2	937.9	935.4	931.1	925.2	863.5	790.7
75°	1030.7	1066.3	1093.1	1119.9	1146.2	1160.1	1166.4	1169.9	1170.5	1115.4	1044.3
72.5°	1219.2	1260.8	1300.6	1339.5	1375.5	1399.1	1414.7	1429.3	1442.2	1414.8	1372.9
70°	1413.0	1464.5	1512.3	1558.4	1603.9	1640.5	1666.8	1688.6	1705.9	1711.5	1714.3
67.5°	1617.5	1680.1	1739.6	1795.8	1851.5	1899.1	1934.8	1967.0	1995.3	2016.8	2031.2
65°	1837.7	1916.6	1991.1	2058.3	2118.5	2179.3	2230.9	2276.2	2315.0	2345.9	2369.2
62.5°	2088.0	2181.0	2270.8	2352.4	2425.8	2499.8	2573.4	2637.6	2692.3	2736.8	2770.4
60°	2364.0	2470.0	2585.5	2694.4	2795.7	2889.0	2980.2	3060.7	3130.7	3190.0	3239.3
57.5°	2672.3	2809.5	2944.8	3085.3	3210.9	3321.4	3437.3	3551.9	3650.6	3733.4	3801.5
55°	3014.4	3190.9	3359.3	3531.8	3698.7	3851.9	3997.1	4149.3	4280.6	4390.7	4481.2
52.5°	3389.6	3619.3	3837.9	4047.5	4273.1	4479.4	4665.6	4866.8	5049.6	5205.0	5341.2
50°	3834.6	4101.1	4388.5	4659.0	4950.7	5233.3	5487.7	5747.2	6003.1	6219.8	6403.0
47.5°	4326.1	4651.4	5025.5	5399.3	5756.3	6142.2	6499.0	6831.6	7178.5	7475.1	7722.7
45°	4868.7	5312.9	5761.2	6256.2	6712.0	7230.1	7717.1	8151.4	8636.4	9070.2	9432.7
42.5°	5506.4	6068.4	6632.8	7269.7	7891.0	8544.1	9233.3	9853.0	10499.5	11125.2	11649.9
40°	6258.7	6926.5	7705.4	8472.1	9332.5	10154.8	11131.2	12001.0	12819.1	13618.5	14293.3
37.5°	7093.6	7976.4	8933.8	9907.3	11083.4	12236.2	13383.7	14466.6	15442.1	16336.1	17045.7
35°	8051.5	9158.9	10302.3	11721.2	13113.1	14526.1	15838.9	17074.7	18183.0	19086.2	19838.7
32.5°	9156.9	10466.0	12040.6	13684.7	15302.5	16867.8	18342.5	19654.7	20810.7	21842.4	22730.4
30°	10322.1	12026.2	13866.4	15705.5	17472.0	19168.5	20748.6	22222.1	23564.5	24723.4	25715.9
27.5°	11690.3	13664.8	15713.5	17682.4	19580.1	21408.8	23206.9	24883.3	26354.7	27573.5	28810.6
25°	13047.4	15309.4	17494.3	19583.0	21630.7	23674.6	25659.5	27542.4	29259.1	30759.2	32091.6
22.5°	14479.2	16841.5	19149.3	21364.8	23687.5	25913.8	28078.7	30229.7	32203.7	33923.6	35431.8
20°	15796.4	18246.3	20688.7	23161.9	25675.5	28091.0	30531.0	32851.7	35050.4	37133.7	38847.7
17.5°	16979.3	19563.4	22132.8	24739.2	27483.2	30218.6	32863.7	35380.4	37890.4	40312.8	42325.7
15°	18035.9	20745.3	23385.2	26221.5	29179.2	32124.9	35070.6	37847.4	40672.3	43354.4	45742.3
12.5°	18968.4	21763.3	24569.1	27584.3	30684.6	33754.0	36978.8	40200.5	43333.2	46227.4	48821.3
10°	19736.3	22647.4	25652.5	28779.4	31990.2	35236.6	38708.8	42164.3	45641.7	48716.5	51537.6
7.5°	20325.2	23307.0	26449.8	29695.7	33089.6	36555.0	40188.4	43833.1	47382.0	50686.6	53637.2
5°	20735.7	23750.5	26976.4	30292.1	33823.6	37452.0	41323.5	45207.0	48830.2	52247.2	55269.6
2.5°	21022.3	24046.7	27309.1	30624.2	34220.2	37977.6	41858.3	45885.7	49593.6	53099.9	56464.4
0°	21214.7	24308.6	27630.7	30905.9	34402.5	38174.3	42127.3	46060.2	49858.8	53670.9	56831.9
-2.5°	21022.3	24046.7	27309.1	30624.2	34220.2	37977.6	41858.3	45885.7	49593.6	53099.9	56464.4
-5°	20735.7	23750.5	26976.4	30292.1	33823.6	37452.0	41323.5	45207.0	48830.2	52247.2	55269.6
-7.5°	20325.2	23307.0	26449.8	29695.7	33089.6	36555.0	40188.4	43833.1	47382.0	50686.6	53637.2
-10°	19736.3	22647.4	25652.5	28779.4	31990.2	35236.6	38708.8	42164.3	45641.7	48716.5	51537.6
-12.5°	18968.4	21763.3	24569.1	27584.3	30684.6	33754.0	36978.8	40200.5	43333.2	46227.4	48821.3
-15°	18035.9	20745.3	23385.2	26221.5	29179.2	32124.9	35070.6	37847.4	40672.3	43354.4	45742.3
-17.5°	16979.3	19563.4	22132.8	24739.2	27483.2	30218.6	32863.7	35380.4	37890.4	40312.8	42325.7
-20°	15796.4	18246.3	20688.7	23161.9	25675.5	28091.0	30531.0	32851.7	35050.4	37133.7	38847.7



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14479.2	16841.5	19149.3	21364.8	23687.5	25913.8	28078.7	30229.7	32203.7	33923.6	35431.8
-25°	13047.4	15309.4	17494.3	19583.0	21630.7	23674.6	25659.5	27542.4	29259.1	30759.2	32091.6
-27.5°	11690.3	13664.8	15713.5	17682.4	19580.1	21408.8	23206.9	24883.3	26354.7	27573.5	28810.6
-30°	10322.1	12026.2	13866.4	15705.5	17472.0	19168.5	20748.6	22222.1	23564.5	24723.4	25715.9
-32.5°	9156.9	10466.0	12040.6	13684.7	15302.5	16867.8	18342.5	19654.7	20810.7	21842.4	22730.4
-35°	8051.5	9158.9	10302.3	11721.2	13113.1	14526.1	15838.9	17074.7	18183.0	19086.2	19838.7
-37.5°	7093.6	7976.4	8933.8	9907.3	11083.4	12236.2	13383.7	14466.6	15442.1	16336.1	17045.7
-40°	6258.7	6926.5	7705.4	8472.1	9332.5	10154.8	11131.2	12001.0	12819.1	13618.5	14293.3
-42.5°	5506.4	6068.4	6632.8	7269.7	7891.0	8544.1	9233.3	9853.0	10499.5	11125.2	11649.9
-45°	4868.7	5312.9	5761.2	6256.2	6712.0	7230.1	7717.1	8151.4	8636.4	9070.2	9432.7
-47.5°	4326.1	4651.4	5025.5	5399.3	5756.3	6142.2	6499.0	6831.6	7178.5	7475.1	7722.7
-50°	3834.6	4101.1	4388.5	4659.0	4950.7	5233.3	5487.7	5747.2	6003.1	6219.8	6403.0
-52.5°	3389.6	3619.3	3837.9	4047.5	4273.1	4479.4	4665.6	4866.8	5049.6	5205.0	5341.2
-55°	3014.4	3190.9	3359.3	3531.8	3698.7	3851.9	3997.1	4149.3	4280.6	4390.7	4481.2
-57.5°	2672.3	2809.5	2944.8	3085.3	3210.9	3321.4	3437.3	3551.9	3650.6	3733.4	3801.5
-60°	2364.0	2470.0	2585.5	2694.4	2795.7	2889.0	2980.2	3060.7	3130.7	3190.0	3239.3
-62.5°	2088.0	2181.0	2270.8	2352.4	2425.8	2499.8	2573.4	2637.6	2692.3	2736.8	2770.4
-65°	1837.7	1916.6	1991.1	2058.3	2118.5	2179.3	2230.9	2276.2	2315.0	2345.9	2369.2
-67.5°	1617.5	1680.1	1739.6	1795.8	1851.5	1899.1	1934.8	1967.0	1995.3	2016.8	2031.2
-70°	1413.0	1464.5	1512.3	1558.4	1603.9	1640.5	1666.8	1688.6	1705.9	1711.5	1714.3
-72.5°	1219.2	1260.8	1300.6	1339.5	1375.5	1399.1	1414.7	1429.3	1442.2	1414.8	1372.9
-75°	1030.7	1066.3	1093.1	1119.9	1146.2	1160.1	1166.4	1169.9	1170.5	1115.4	1044.3
-77.5°	826.2	864.5	892.1	915.6	935.2	937.9	935.4	931.1	925.2	863.5	790.7
-80°	664.1	694.7	718.1	739.5	758.8	753.8	744.3	733.6	721.9	660.2	591.9
-82.5°	504.7	522.1	537.9	555.0	573.0	571.1	564.6	555.3	543.4	489.4	431.0
-85°	337.4	340.5	341.3	341.0	339.6	342.0	343.6	344.2	343.9	308.7	271.6
-87.5°	164.8	165.6	165.7	165.2	164.3	167.4	170.3	172.8	175.0	155.7	135.6
-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: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	114.9	93.7	83.8	73.8	83.8	93.7	114.9	135.6	155.7	175.0	172.8
85°	233.3	194.1	184.4	174.5	184.4	194.1	233.3	271.6	308.7	343.9	344.2
82.5°	370.5	308.5	295.1	281.9	295.1	308.5	370.5	431.0	489.4	543.4	555.3
80°	521.7	449.8	435.9	422.8	435.9	449.8	521.7	591.9	660.2	721.9	733.6
77.5°	715.4	637.9	617.1	597.3	617.1	637.9	715.4	790.7	863.5	925.2	931.1
75°	969.9	892.4	874.9	859.1	874.9	892.4	969.9	1044.3	1115.4	1170.5	1169.9
72.5°	1329.4	1283.1	1241.4	1194.6	1241.4	1283.1	1329.4	1372.9	1414.8	1442.2	1429.3
70°	1717.6	1719.1	1712.1	1698.0	1712.1	1719.1	1717.6	1714.3	1711.5	1705.9	1688.6
67.5°	2040.2	2043.7	2053.7	2060.4	2053.7	2043.7	2040.2	2031.2	2016.8	1995.3	1967.0
65°	2386.1	2396.3	2411.8	2422.8	2411.8	2396.3	2386.1	2369.2	2345.9	2315.0	2276.2
62.5°	2794.4	2808.7	2820.8	2825.5	2820.8	2808.7	2794.4	2770.4	2736.8	2692.3	2637.6
60°	3277.6	3304.6	3328.1	3342.3	3328.1	3304.6	3277.6	3239.3	3190.0	3130.7	3060.7
57.5°	3853.3	3888.4	3922.1	3946.3	3922.1	3888.4	3853.3	3801.5	3733.4	3650.6	3551.9
55°	4549.9	4596.7	4616.5	4610.7	4616.5	4596.7	4549.9	4481.2	4390.7	4280.6	4149.3
52.5°	5453.2	5537.2	5573.0	5563.7	5573.0	5537.2	5453.2	5341.2	5205.0	5049.6	4866.8
50°	6547.7	6649.8	6699.2	6698.0	6699.2	6649.8	6547.7	6403.0	6219.8	6003.1	5747.2
47.5°	7919.6	8060.6	8147.6	8181.2	8147.6	8060.6	7919.6	7722.7	7475.1	7178.5	6831.6
45°	9719.9	9926.9	10040.5	10053.6	10040.5	9926.9	9719.9	9432.7	9070.2	8636.4	8151.4
42.5°	12054.8	12344.2	12511.0	12550.3	12511.0	12344.2	12054.8	11649.9	11125.2	10499.5	9853.0
40°	14797.8	15151.8	15383.6	15536.8	15383.6	15151.8	14797.8	14293.3	13618.5	12819.1	12001.0
37.5°	17622.1	18082.3	18375.8	18422.7	18375.8	18082.3	17622.1	17045.7	16336.1	15442.1	14466.6
35°	20465.8	20938.3	21225.1	21348.9	21225.1	20938.3	20465.8	19838.7	19086.2	18183.0	17074.7
32.5°	23434.8	23969.2	24301.5	24469.7	24301.5	23969.2	23434.8	22730.4	21842.4	20810.7	19654.7
30°	26536.2	27172.9	27580.2	27811.9	27580.2	27172.9	26536.2	25715.9	24723.4	23564.5	22222.1
27.5°	29797.5	30558.9	31062.5	31254.9	31062.5	30558.9	29797.5	28810.6	27573.5	26354.7	24883.3
25°	33160.7	33983.9	34548.8	34865.6	34548.8	33983.9	33160.7	32091.6	30759.2	29259.1	27542.4
22.5°	36673.1	37650.6	38381.1	38731.4	38381.1	37650.6	36673.1	35431.8	33923.6	32203.7	30229.7
20°	40295.4	41364.7	42211.6	42577.0	42211.6	41364.7	40295.4	38847.7	37133.7	35050.4	32851.7
17.5°	43987.7	45289.6	46237.6	46697.8	46237.6	45289.6	43987.7	42325.7	40312.8	37890.4	35380.4
15°	47570.8	48950.8	49978.8	50476.3	49978.8	48950.8	47570.8	45742.3	43354.4	40672.3	37847.4
12.5°	50890.3	52355.4	53383.8	54100.4	53383.8	52355.4	50890.3	48821.3	46227.4	43333.2	40200.5
10°	53856.1	55454.2	56498.2	57241.3	56498.2	55454.2	53856.1	51537.6	48716.5	45641.7	42164.3
7.5°	56078.5	58098.4	59276.7	60006.4	59276.7	58098.4	56078.5	53637.2	50686.6	47382.0	43833.1
5°	57787.7	60011.9	61080.3	61771.5	61080.3	60011.9	57787.7	55269.6	52247.2	48830.2	45207.0
2.5°	59035.7	60789.4	62129.5	62818.5	62129.5	60789.4	59035.7	56464.4	53099.9	49593.6	45885.7
0°	59523.2	61590.3	62536.6	62986.3	62536.6	61590.3	59523.2	56831.9	53670.9	49858.8	46060.2
-2.5°	59035.7	60789.4	62129.5	62818.5	62129.5	60789.4	59035.7	56464.4	53099.9	49593.6	45885.7
-5°	57787.7	60011.9	61080.3	61771.5	61080.3	60011.9	57787.7	55269.6	52247.2	48830.2	45207.0
-7.5°	56078.5	58098.4	59276.7	60006.4	59276.7	58098.4	56078.5	53637.2	50686.6	47382.0	43833.1
-10°	53856.1	55454.2	56498.2	57241.3	56498.2	55454.2	53856.1	51537.6	48716.5	45641.7	42164.3
-12.5°	50890.3	52355.4	53383.8	54100.4	53383.8	52355.4	50890.3	48821.3	46227.4	43333.2	40200.5
-15°	47570.8	48950.8	49978.8	50476.3	49978.8	48950.8	47570.8	45742.3	43354.4	40672.3	37847.4
-17.5°	43987.7	45289.6	46237.6	46697.8	46237.6	45289.6	43987.7	42325.7	40312.8	37890.4	35380.4
-20°	40295.4	41364.7	42211.6	42577.0	42211.6	41364.7	40295.4	38847.7	37133.7	35050.4	32851.7



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	36673.1	37650.6	38381.1	38731.4	38381.1	37650.6	36673.1	35431.8	33923.6	32203.7	30229.7
-25°	33160.7	33983.9	34548.8	34865.6	34548.8	33983.9	33160.7	32091.6	30759.2	29259.1	27542.4
-27.5°	29797.5	30558.9	31062.5	31254.9	31062.5	30558.9	29797.5	28810.6	27573.5	26354.7	24883.3
-30°	26536.2	27172.9	27580.2	27811.9	27580.2	27172.9	26536.2	25715.9	24723.4	23564.5	22222.1
-32.5°	23434.8	23969.2	24301.5	24469.7	24301.5	23969.2	23434.8	22730.4	21842.4	20810.7	19654.7
-35°	20465.8	20938.3	21225.1	21348.9	21225.1	20938.3	20465.8	19838.7	19086.2	18183.0	17074.7
-37.5°	17622.1	18082.3	18375.8	18422.7	18375.8	18082.3	17622.1	17045.7	16336.1	15442.1	14466.6
-40°	14797.8	15151.8	15383.6	15536.8	15383.6	15151.8	14797.8	14293.3	13618.5	12819.1	12001.0
-42.5°	12054.8	12344.2	12511.0	12550.3	12511.0	12344.2	12054.8	11649.9	11125.2	10499.5	9853.0
-45°	9719.9	9926.9	10040.5	10053.6	10040.5	9926.9	9719.9	9432.7	9070.2	8636.4	8151.4
-47.5°	7919.6	8060.6	8147.6	8181.2	8147.6	8060.6	7919.6	7722.7	7475.1	7178.5	6831.6
-50°	6547.7	6649.8	6699.2	6698.0	6699.2	6649.8	6547.7	6403.0	6219.8	6003.1	5747.2
-52.5°	5453.2	5537.2	5573.0	5563.7	5573.0	5537.2	5453.2	5341.2	5205.0	5049.6	4866.8
-55°	4549.9	4596.7	4616.5	4610.7	4616.5	4596.7	4549.9	4481.2	4390.7	4280.6	4149.3
-57.5°	3853.3	3888.4	3922.1	3946.3	3922.1	3888.4	3853.3	3801.5	3733.4	3650.6	3551.9
-60°	3277.6	3304.6	3328.1	3342.3	3328.1	3304.6	3277.6	3239.3	3190.0	3130.7	3060.7
-62.5°	2794.4	2808.7	2820.8	2825.5	2820.8	2808.7	2794.4	2770.4	2736.8	2692.3	2637.6
-65°	2386.1	2396.3	2411.8	2422.8	2411.8	2396.3	2386.1	2369.2	2345.9	2315.0	2276.2
-67.5°	2040.2	2043.7	2053.7	2060.4	2053.7	2043.7	2040.2	2031.2	2016.8	1995.3	1967.0
-70°	1717.6	1719.1	1712.1	1698.0	1712.1	1719.1	1717.6	1714.3	1711.5	1705.9	1688.6
-72.5°	1329.4	1283.1	1241.4	1194.6	1241.4	1283.1	1329.4	1372.9	1414.8	1442.2	1429.3
-75°	969.9	892.4	874.9	859.1	874.9	892.4	969.9	1044.3	1115.4	1170.5	1169.9
-77.5°	715.4	637.9	617.1	597.3	617.1	637.9	715.4	790.7	863.5	925.2	931.1
-80°	521.7	449.8	435.9	422.8	435.9	449.8	521.7	591.9	660.2	721.9	733.6
-82.5°	370.5	308.5	295.1	281.9	295.1	308.5	370.5	431.0	489.4	543.4	555.3
-85°	233.3	194.1	184.4	174.5	184.4	194.1	233.3	271.6	308.7	343.9	344.2
-87.5°	114.9	93.7	83.8	73.8	83.8	93.7	114.9	135.6	155.7	175.0	172.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	170.3	167.4	164.3	165.2	165.7	165.6	164.8	150.3	136.1	122.4	109.3
85°	343.6	342.0	339.6	341.0	341.3	340.5	337.4	305.7	275.0	245.6	219.2
82.5°	564.6	571.1	573.0	555.0	537.9	522.1	504.7	457.2	411.0	366.3	329.5
80°	744.3	753.8	758.8	739.5	718.1	694.7	664.1	605.2	542.6	480.4	438.5
77.5°	935.4	937.9	935.2	915.6	892.1	864.5	826.2	766.5	706.9	642.5	596.2
75°	1166.4	1160.1	1146.2	1119.9	1093.1	1066.3	1030.7	976.9	914.1	842.0	786.3
72.5°	1414.7	1399.1	1375.5	1339.5	1300.6	1260.8	1219.2	1171.8	1119.3	1061.8	1008.1
70°	1666.8	1640.5	1603.9	1558.4	1512.3	1464.5	1413.0	1358.8	1302.5	1242.4	1187.1
67.5°	1934.8	1899.1	1851.5	1795.8	1739.6	1680.1	1617.5	1549.7	1483.1	1416.3	1356.5
65°	2230.9	2179.3	2118.5	2058.3	1991.1	1916.6	1837.7	1760.2	1681.5	1598.4	1523.8
62.5°	2573.4	2499.8	2425.8	2352.4	2270.8	2181.0	2088.0	1995.6	1897.2	1795.9	1707.1
60°	2980.2	2889.0	2795.7	2694.4	2585.5	2470.0	2364.0	2250.6	2129.9	2017.1	1900.9
57.5°	3437.3	3321.4	3210.9	3085.3	2944.8	2809.5	2672.3	2525.8	2389.0	2249.4	2109.0
55°	3997.1	3851.9	3698.7	3531.8	3359.3	3190.9	3014.4	2841.7	2672.3	2490.6	2333.9
52.5°	4665.6	4479.4	4273.1	4047.5	3837.9	3619.3	3389.6	3188.5	2976.8	2773.8	2570.8
50°	5487.7	5233.3	4950.7	4659.0	4388.5	4101.1	3834.6	3569.1	3312.2	3072.7	2834.3
47.5°	6499.0	6142.2	5756.3	5399.3	5025.5	4651.4	4326.1	3992.5	3693.8	3388.5	3121.5
45°	7717.1	7230.1	6712.0	6256.2	5761.2	5312.9	4868.7	4479.1	4102.2	3757.8	3415.9
42.5°	9233.3	8544.1	7891.0	7269.7	6632.8	6068.4	5506.4	5020.3	4560.9	4142.8	3758.0
40°	11131.2	10154.8	9332.5	8472.1	7705.4	6926.5	6258.7	5611.1	5075.9	4567.2	4103.9
37.5°	13383.7	12236.2	11083.4	9907.3	8933.8	7976.4	7093.6	6323.3	5616.6	5033.0	4490.8
35°	15838.9	14526.1	13113.1	11721.2	10302.3	9158.9	8051.5	7088.4	6261.2	5523.1	4891.5
32.5°	18342.5	16867.8	15302.5	13684.7	12040.6	10466.0	9156.9	7951.9	6918.9	6077.2	5331.6
30°	20748.6	19168.5	17472.0	15705.5	13866.4	12026.2	10322.1	8924.9	7696.4	6632.4	5772.8
27.5°	23206.9	21408.8	19580.1	17682.4	15713.5	13664.8	11690.3	9912.2	8477.4	7274.5	6258.8
25°	25659.5	23674.6	21630.7	19583.0	17494.3	15309.4	13047.4	11040.8	9333.5	7914.6	6698.1
22.5°	28078.7	25913.8	23687.5	21364.8	19149.3	16841.5	14479.2	12132.4	10125.1	8544.1	7207.9
20°	30531.0	28091.0	25675.5	23161.9	20688.7	18246.3	15796.4	13287.7	11061.6	9196.9	7681.0
17.5°	32863.7	30218.6	27483.2	24739.2	22132.8	19563.4	16979.3	14403.8	11921.2	9788.2	8095.8
15°	35070.6	32124.9	29179.2	26221.5	23385.2	20745.3	18035.9	15371.5	12732.2	10411.7	8558.9
12.5°	36978.8	33754.0	30684.6	27584.3	24569.1	21763.3	18968.4	16209.2	13499.7	11011.0	8975.4
10°	38708.8	35236.6	31990.2	28779.4	25652.5	22647.4	19736.3	16904.5	14117.7	11500.8	9311.8
7.5°	40188.4	36555.0	33089.6	29695.7	26449.8	23307.0	20325.2	17445.0	14601.5	11879.8	9567.2
5°	41323.5	37452.0	33823.6	30292.1	26976.4	23750.5	20735.7	17825.2	14945.6	12145.0	9741.7
2.5°	41858.3	37977.6	34220.2	30624.2	27309.1	24046.7	21022.3	18083.3	15158.5	12344.1	9876.6
0°	42127.3	38174.3	34402.5	30905.9	27630.7	24308.6	21214.7	18214.7	15228.1	12436.2	9932.8
-2.5°	41858.3	37977.6	34220.2	30624.2	27309.1	24046.7	21022.3	18083.3	15158.5	12344.1	9876.6
-5°	41323.5	37452.0	33823.6	30292.1	26976.4	23750.5	20735.7	17825.2	14945.6	12145.0	9741.7
-7.5°	40188.4	36555.0	33089.6	29695.7	26449.8	23307.0	20325.2	17445.0	14601.5	11879.8	9567.2
-10°	38708.8	35236.6	31990.2	28779.4	25652.5	22647.4	19736.3	16904.5	14117.7	11500.8	9311.8
-12.5°	36978.8	33754.0	30684.6	27584.3	24569.1	21763.3	18968.4	16209.2	13499.7	11011.0	8975.4
-15°	35070.6	32124.9	29179.2	26221.5	23385.2	20745.3	18035.9	15371.5	12732.2	10411.7	8558.9
-17.5°	32863.7	30218.6	27483.2	24739.2	22132.8	19563.4	16979.3	14403.8	11921.2	9788.2	8095.8
-20°	30531.0	28091.0	25675.5	23161.9	20688.7	18246.3	15796.4	13287.7	11061.6	9196.9	7681.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	28078.7	25913.8	23687.5	21364.8	19149.3	16841.5	14479.2	12132.4	10125.1	8544.1	7207.9
-25°	25659.5	23674.6	21630.7	19583.0	17494.3	15309.4	13047.4	11040.8	9333.5	7914.6	6698.1
-27.5°	23206.9	21408.8	19580.1	17682.4	15713.5	13664.8	11690.3	9912.2	8477.4	7274.5	6258.8
-30°	20748.6	19168.5	17472.0	15705.5	13866.4	12026.2	10322.1	8924.9	7696.4	6632.4	5772.8
-32.5°	18342.5	16867.8	15302.5	13684.7	12040.6	10466.0	9156.9	7951.9	6918.9	6077.2	5331.6
-35°	15838.9	14526.1	13113.1	11721.2	10302.3	9158.9	8051.5	7088.4	6261.2	5523.1	4891.5
-37.5°	13383.7	12236.2	11083.4	9907.3	8933.8	7976.4	7093.6	6323.3	5616.6	5033.0	4490.8
-40°	11131.2	10154.8	9332.5	8472.1	7705.4	6926.5	6258.7	5611.1	5075.9	4567.2	4103.9
-42.5°	9233.3	8544.1	7891.0	7269.7	6632.8	6068.4	5506.4	5020.3	4560.9	4142.8	3758.0
-45°	7717.1	7230.1	6712.0	6256.2	5761.2	5312.9	4868.7	4479.1	4102.2	3757.8	3415.9
-47.5°	6499.0	6142.2	5756.3	5399.3	5025.5	4651.4	4326.1	3992.5	3693.8	3388.5	3121.5
-50°	5487.7	5233.3	4950.7	4659.0	4388.5	4101.1	3834.6	3569.1	3312.2	3072.7	2834.3
-52.5°	4665.6	4479.4	4273.1	4047.5	3837.9	3619.3	3389.6	3188.5	2976.8	2773.8	2570.8
-55°	3997.1	3851.9	3698.7	3531.8	3359.3	3190.9	3014.4	2841.7	2672.3	2490.6	2333.9
-57.5°	3437.3	3321.4	3210.9	3085.3	2944.8	2809.5	2672.3	2525.8	2389.0	2249.4	2109.0
-60°	2980.2	2889.0	2795.7	2694.4	2585.5	2470.0	2364.0	2250.6	2129.9	2017.1	1900.9
-62.5°	2573.4	2499.8	2425.8	2352.4	2270.8	2181.0	2088.0	1995.6	1897.2	1795.9	1707.1
-65°	2230.9	2179.3	2118.5	2058.3	1991.1	1916.6	1837.7	1760.2	1681.5	1598.4	1523.8
-67.5°	1934.8	1899.1	1851.5	1795.8	1739.6	1680.1	1617.5	1549.7	1483.1	1416.3	1356.5
-70°	1666.8	1640.5	1603.9	1558.4	1512.3	1464.5	1413.0	1358.8	1302.5	1242.4	1187.1
-72.5°	1414.7	1399.1	1375.5	1339.5	1300.6	1260.8	1219.2	1171.8	1119.3	1061.8	1008.1
-75°	1166.4	1160.1	1146.2	1119.9	1093.1	1066.3	1030.7	976.9	914.1	842.0	786.3
-77.5°	935.4	937.9	935.2	915.6	892.1	864.5	826.2	766.5	706.9	642.5	596.2
-80°	744.3	753.8	758.8	739.5	718.1	694.7	664.1	605.2	542.6	480.4	438.5
-82.5°	564.6	571.1	573.0	555.0	537.9	522.1	504.7	457.2	411.0	366.3	329.5
-85°	343.6	342.0	339.6	341.0	341.3	340.5	337.4	305.7	275.0	245.6	219.2
-87.5°	170.3	167.4	164.3	165.2	165.7	165.6	164.8	150.3	136.1	122.4	109.3
-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: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	116.9	123.1	127.8	130.9	125.3	119.1	112.3	104.9	96.9	88.4	79.2
85°	232.6	243.8	252.8	258.8	249.1	238.2	224.6	209.8	193.8	176.7	158.3
82.5°	347.7	361.9	372.7	378.2	363.6	347.2	329.1	309.2	287.4	264.2	237.3
80°	465.2	485.8	500.1	503.9	482.3	456.2	432.0	405.2	375.5	344.1	311.0
77.5°	608.8	621.0	632.7	636.3	613.2	584.0	548.6	505.8	463.4	423.7	381.9
75°	773.9	774.7	776.4	765.7	737.8	712.7	673.0	619.7	556.2	502.6	452.3
72.5°	965.5	934.8	916.8	891.7	849.1	811.9	780.3	730.6	648.6	578.1	519.6
70°	1137.3	1090.4	1047.8	1005.1	956.6	907.0	862.8	807.2	737.3	651.2	578.0
67.5°	1293.1	1232.6	1175.7	1117.8	1061.1	1003.5	944.5	875.1	799.2	721.1	634.3
65°	1454.3	1379.6	1301.5	1234.7	1166.9	1099.4	1032.8	944.9	860.0	775.7	688.1
62.5°	1619.3	1533.4	1446.0	1355.2	1273.7	1196.8	1117.8	1020.2	921.3	829.2	736.6
60°	1787.0	1688.3	1589.2	1487.9	1386.9	1293.3	1201.4	1093.8	987.6	881.6	782.7
57.5°	1978.1	1844.2	1731.3	1619.1	1506.5	1395.8	1284.4	1169.0	1052.3	937.7	825.1
55°	2175.0	2025.7	1880.5	1750.7	1625.5	1502.5	1370.9	1244.5	1116.4	993.6	858.6
52.5°	2383.7	2209.9	2044.5	1887.7	1746.1	1606.2	1463.6	1318.5	1183.8	1047.6	893.9
50°	2610.1	2401.6	2212.0	2034.3	1867.2	1711.8	1554.3	1400.3	1249.7	1101.8	926.7
47.5°	2853.8	2611.6	2387.1	2181.1	1997.0	1813.6	1646.0	1480.9	1313.9	1159.1	956.5
45°	3119.6	2833.2	2572.0	2339.3	2119.2	1921.9	1735.2	1559.1	1384.1	1199.3	983.1
42.5°	3384.6	3068.0	2771.5	2492.5	2254.3	2030.1	1820.6	1636.0	1452.0	1236.4	1011.9
40°	3690.4	3304.5	2970.4	2667.8	2387.4	2134.5	1913.9	1709.5	1515.3	1273.6	1041.8
37.5°	3990.5	3561.2	3179.3	2832.6	2520.6	2251.1	2004.6	1779.1	1562.7	1313.9	1069.2
35°	4336.1	3829.9	3373.2	3001.1	2663.7	2361.8	2090.9	1849.4	1612.9	1352.4	1094.0
32.5°	4672.3	4098.8	3599.3	3169.9	2797.2	2466.2	2180.6	1921.3	1665.4	1388.7	1116.1
30°	5040.9	4382.1	3813.1	3327.8	2927.4	2578.7	2269.5	1989.9	1719.8	1422.7	1137.5
27.5°	5390.2	4643.1	4019.4	3500.4	3062.0	2683.5	2352.1	2054.8	1775.6	1458.3	1162.3
25°	5737.0	4926.2	4241.0	3666.7	3185.6	2780.7	2428.2	2116.0	1829.0	1499.0	1184.3
22.5°	6112.0	5200.7	4440.6	3816.1	3301.8	2869.7	2502.9	2178.3	1877.4	1538.7	1203.4
20°	6453.7	5448.7	4620.1	3963.8	3421.2	2965.2	2575.2	2234.4	1921.6	1576.8	1219.4
17.5°	6773.2	5703.5	4828.9	4119.8	3536.3	3050.3	2639.2	2283.9	1961.1	1612.6	1232.1
15°	7115.9	5958.8	5018.6	4256.6	3636.8	3124.7	2694.8	2326.9	1995.9	1645.4	1244.1
12.5°	7409.6	6173.8	5179.9	4373.5	3722.1	3187.9	2741.7	2363.0	2025.7	1674.6	1255.1
10°	7651.1	6348.1	5312.3	4469.8	3792.1	3239.8	2779.8	2392.9	2048.4	1698.7	1261.5
7.5°	7838.8	6481.2	5415.2	4545.2	3846.7	3282.7	2812.6	2417.3	2065.4	1716.9	1263.3
5°	7976.7	6584.7	5485.3	4600.1	3887.3	3316.8	2837.1	2435.1	2076.4	1728.8	1260.5
2.5°	8080.6	6667.8	5523.0	4633.2	3911.4	3339.0	2852.6	2446.0	2081.6	1733.8	1253.2
0°	8127.5	6711.4	5530.2	4644.3	3919.4	3349.0	2859.0	2449.7	2080.5	1731.5	1241.6
-2.5°	8080.6	6667.8	5523.0	4633.2	3911.4	3339.0	2852.6	2446.0	2081.6	1733.8	1253.2
-5°	7976.7	6584.7	5485.3	4600.1	3887.3	3316.8	2837.1	2435.1	2076.4	1728.8	1260.5
-7.5°	7838.8	6481.2	5415.2	4545.2	3846.7	3282.7	2812.6	2417.3	2065.4	1716.9	1263.3
-10°	7651.1	6348.1	5312.3	4469.8	3792.1	3239.8	2779.8	2392.9	2048.4	1698.7	1261.5
-12.5°	7409.6	6173.8	5179.9	4373.5	3722.1	3187.9	2741.7	2363.0	2025.7	1674.6	1255.1
-15°	7115.9	5958.8	5018.6	4256.6	3636.8	3124.7	2694.8	2326.9	1995.9	1645.4	1244.1
-17.5°	6773.2	5703.5	4828.9	4119.8	3536.3	3050.3	2639.2	2283.9	1961.1	1612.6	1232.1
-20°	6453.7	5448.7	4620.1	3963.8	3421.2	2965.2	2575.2	2234.4	1921.6	1576.8	1219.4



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6112.0	5200.7	4440.6	3816.1	3301.8	2869.7	2502.9	2178.3	1877.4	1538.7	1203.4
-25°	5737.0	4926.2	4241.0	3666.7	3185.6	2780.7	2428.2	2116.0	1829.0	1499.0	1184.3
-27.5°	5390.2	4643.1	4019.4	3500.4	3062.0	2683.5	2352.1	2054.8	1775.6	1458.3	1162.3
-30°	5040.9	4382.1	3813.1	3327.8	2927.4	2578.7	2269.5	1989.9	1719.8	1422.7	1137.5
-32.5°	4672.3	4098.8	3599.3	3169.9	2797.2	2466.2	2180.6	1921.3	1665.4	1388.7	1116.1
-35°	4336.1	3829.9	3373.2	3001.1	2663.7	2361.8	2090.9	1849.4	1612.9	1352.4	1094.0
-37.5°	3990.5	3561.2	3179.3	2832.6	2520.6	2251.1	2004.6	1779.1	1562.7	1313.9	1069.2
-40°	3690.4	3304.5	2970.4	2667.8	2387.4	2134.5	1913.9	1709.5	1515.3	1273.6	1041.8
-42.5°	3384.6	3068.0	2771.5	2492.5	2254.3	2030.1	1820.6	1636.0	1452.0	1236.4	1011.9
-45°	3119.6	2833.2	2572.0	2339.3	2119.2	1921.9	1735.2	1559.1	1384.1	1199.3	983.1
-47.5°	2853.8	2611.6	2387.1	2181.1	1997.0	1813.6	1646.0	1480.9	1313.9	1159.1	956.5
-50°	2610.1	2401.6	2212.0	2034.3	1867.2	1711.8	1554.3	1400.3	1249.7	1101.8	926.7
-52.5°	2383.7	2209.9	2044.5	1887.7	1746.1	1606.2	1463.6	1318.5	1183.8	1047.6	893.9
-55°	2175.0	2025.7	1880.5	1750.7	1625.5	1502.5	1370.9	1244.5	1116.4	993.6	858.6
-57.5°	1978.1	1844.2	1731.3	1619.1	1506.5	1395.8	1284.4	1169.0	1052.3	937.7	825.1
-60°	1787.0	1688.3	1589.2	1487.9	1386.9	1293.3	1201.4	1093.8	987.6	881.6	782.7
-62.5°	1619.3	1533.4	1446.0	1355.2	1273.7	1196.8	1117.8	1020.2	921.3	829.2	736.6
-65°	1454.3	1379.6	1301.5	1234.7	1166.9	1099.4	1032.8	944.9	860.0	775.7	688.1
-67.5°	1293.1	1232.6	1175.7	1117.8	1061.1	1003.5	944.5	875.1	799.2	721.1	634.3
-70°	1137.3	1090.4	1047.8	1005.1	956.6	907.0	862.8	807.2	737.3	651.2	578.0
-72.5°	965.5	934.8	916.8	891.7	849.1	811.9	780.3	730.6	648.6	578.1	519.6
-75°	773.9	774.7	776.4	765.7	737.8	712.7	673.0	619.7	556.2	502.6	452.3
-77.5°	608.8	621.0	632.7	636.3	613.2	584.0	548.6	505.8	463.4	423.7	381.9
-80°	465.2	485.8	500.1	503.9	482.3	456.2	432.0	405.2	375.5	344.1	311.0
-82.5°	347.7	361.9	372.7	378.2	363.6	347.2	329.1	309.2	287.4	264.2	237.3
-85°	232.6	243.8	252.8	258.8	249.1	238.2	224.6	209.8	193.8	176.7	158.3
-87.5°	116.9	123.1	127.8	130.9	125.3	119.1	112.3	104.9	96.9	88.4	79.2
-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: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-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°	69.4	52.6	37.9	25.2	14.6	6.6	0.0
85°	138.5	105.0	75.5	50.2	29.2	13.2	0.0
82.5°	207.0	156.9	112.9	75.1	43.7	19.7	0.0
80°	273.6	208.0	149.7	99.7	58.0	26.2	0.0
77.5°	332.6	255.7	185.9	123.8	72.2	32.6	0.0
75°	389.8	297.3	220.1	147.5	86.2	38.9	0.0
72.5°	444.9	337.5	247.5	170.5	99.9	45.2	0.0
70°	496.1	375.8	273.8	191.8	113.3	51.3	0.0
67.5°	534.9	412.2	298.8	207.4	126.3	57.3	0.0
65°	571.8	443.8	322.4	222.3	139.0	63.1	0.0
62.5°	606.5	470.8	344.4	236.2	151.3	68.8	0.0
60°	638.9	496.2	364.7	249.2	163.2	74.4	0.0
57.5°	669.0	519.7	382.4	261.1	171.0	79.7	0.0
55°	697.1	541.3	398.8	271.9	178.4	84.9	0.0
52.5°	723.1	561.2	413.7	281.5	185.6	89.8	0.0
50°	747.0	580.8	427.1	290.0	192.4	94.5	0.0
47.5°	769.1	598.5	439.1	297.6	199.0	99.0	0.0
45°	791.6	614.4	449.5	305.2	205.1	103.3	0.0
42.5°	811.6	628.4	458.3	311.9	211.0	107.3	0.0
40°	828.9	640.6	466.9	320.4	216.4	111.1	0.0
37.5°	843.5	650.8	475.2	329.5	221.5	114.6	0.0
35°	855.4	660.4	482.0	338.0	226.3	117.8	0.0
32.5°	867.4	668.5	487.4	345.7	230.6	120.8	0.0
30°	883.1	674.5	491.3	352.6	234.5	123.5	0.0
27.5°	896.3	678.3	500.5	358.8	238.0	125.9	0.0
25°	906.8	680.0	509.1	364.2	241.1	128.1	0.0
22.5°	914.7	683.1	516.4	368.9	243.8	129.9	0.0
20°	919.8	693.0	522.4	372.8	246.0	131.5	0.0
17.5°	929.4	701.6	527.0	375.9	247.8	132.8	0.0
15°	939.9	708.8	530.3	378.2	249.2	133.8	0.0
12.5°	946.8	714.5	532.3	379.7	250.2	134.6	0.0
10°	950.2	718.6	533.0	380.4	250.7	135.0	0.0
7.5°	950.3	721.1	532.4	380.4	250.7	135.2	0.0
5°	947.4	721.9	530.6	379.6	250.4	135.1	0.0
2.5°	941.5	720.9	527.7	378.1	249.6	134.8	0.0
0°	932.9	718.1	523.5	375.8	248.3	134.2	0.0
-2.5°	941.5	720.9	527.7	378.1	249.6	134.8	0.0
-5°	947.4	721.9	530.6	379.6	250.4	135.1	0.0
-7.5°	950.3	721.1	532.4	380.4	250.7	135.2	0.0
-10°	950.2	718.6	533.0	380.4	250.7	135.0	0.0
-12.5°	946.8	714.5	532.3	379.7	250.2	134.6	0.0
-15°	939.9	708.8	530.3	378.2	249.2	133.8	0.0
-17.5°	929.4	701.6	527.0	375.9	247.8	132.8	0.0
-20°	919.8	693.0	522.4	372.8	246.0	131.5	0.0

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P624795 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	914.7	683.1	516.4	368.9	243.8	129.9	0.0
-25°	906.8	680.0	509.1	364.2	241.1	128.1	0.0
-27.5°	896.3	678.3	500.5	358.8	238.0	125.9	0.0
-30°	883.1	674.5	491.3	352.6	234.5	123.5	0.0
-32.5°	867.4	668.5	487.4	345.7	230.6	120.8	0.0
-35°	855.4	660.4	482.0	338.0	226.3	117.8	0.0
-37.5°	843.5	650.8	475.2	329.5	221.5	114.6	0.0
-40°	828.9	640.6	466.9	320.4	216.4	111.1	0.0
-42.5°	811.6	628.4	458.3	311.9	211.0	107.3	0.0
-45°	791.6	614.4	449.5	305.2	205.1	103.3	0.0
-47.5°	769.1	598.5	439.1	297.6	199.0	99.0	0.0
-50°	747.0	580.8	427.1	290.0	192.4	94.5	0.0
-52.5°	723.1	561.2	413.7	281.5	185.6	89.8	0.0
-55°	697.1	541.3	398.8	271.9	178.4	84.9	0.0
-57.5°	669.0	519.7	382.4	261.1	171.0	79.7	0.0
-60°	638.9	496.2	364.7	249.2	163.2	74.4	0.0
-62.5°	606.5	470.8	344.4	236.2	151.3	68.8	0.0
-65°	571.8	443.8	322.4	222.3	139.0	63.1	0.0
-67.5°	534.9	412.2	298.8	207.4	126.3	57.3	0.0
-70°	496.1	375.8	273.8	191.8	113.3	51.3	0.0
-72.5°	444.9	337.5	247.5	170.5	99.9	45.2	0.0
-75°	389.8	297.3	220.1	147.5	86.2	38.9	0.0
-77.5°	332.6	255.7	185.9	123.8	72.2	32.6	0.0
-80°	273.6	208.0	149.7	99.7	58.0	26.2	0.0
-82.5°	207.0	156.9	112.9	75.1	43.7	19.7	0.0
-85°	138.5	105.0	75.5	50.2	29.2	13.2	0.0
-87.5°	69.4	52.6	37.9	25.2	14.6	6.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)