

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: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-4000K-55**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-5)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-08-E-PRO-4000K-55
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 55 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61181.7 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 53.1°H x 49.5°V
Beam Lumens: 40552.8 lumens
Beam Efficiency: 66.3%

NEMA Type: 5H x 5V
Max Intensity: 74787.3 candela
Max Intensity Angle: -10°H x 0°V

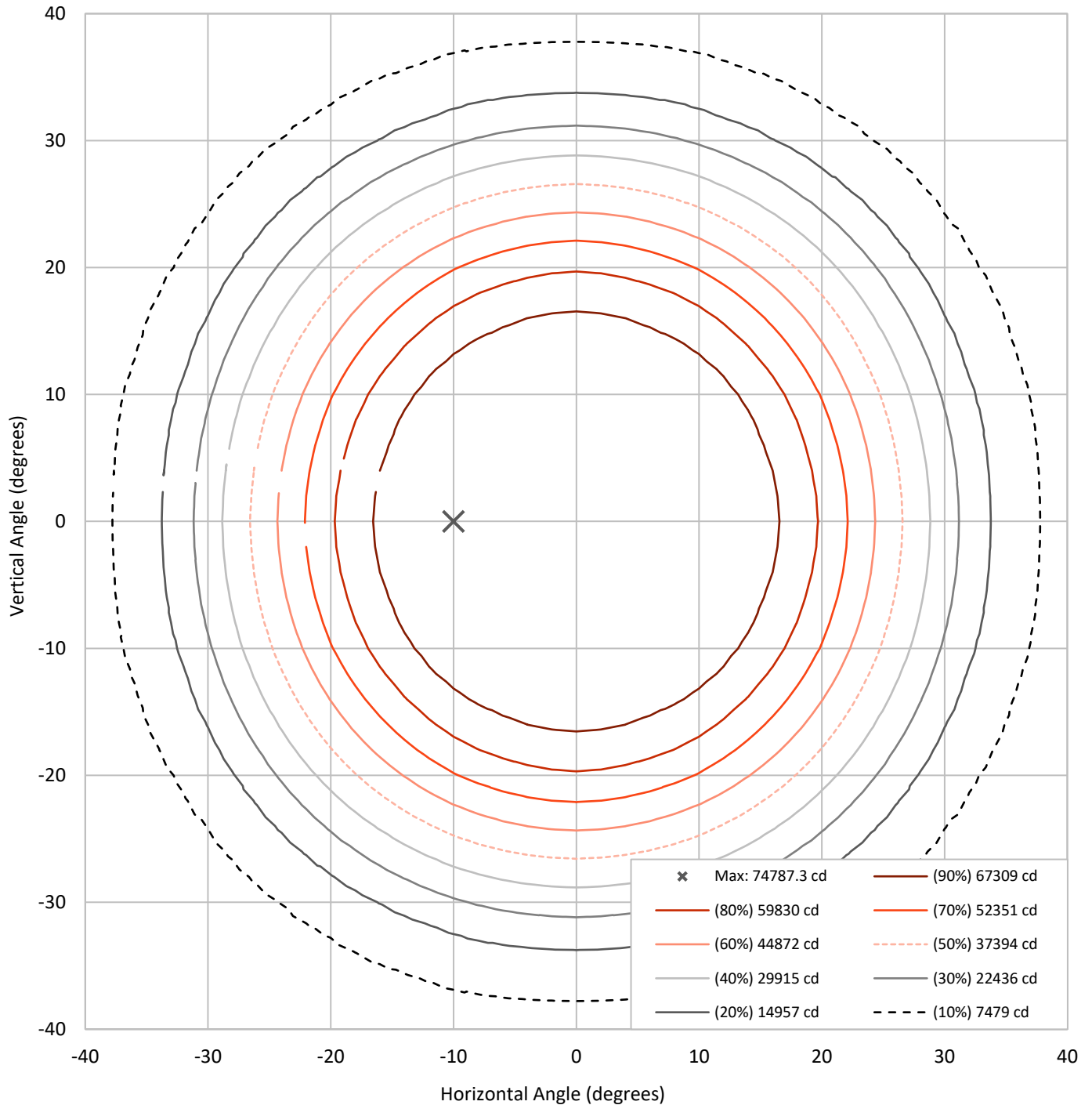
Field Angle (10%): 75.3°H x 73.6°V
Field Lumens: 52731 lumens
Field Efficiency: 86.2%

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: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

Iso-Candela Plot





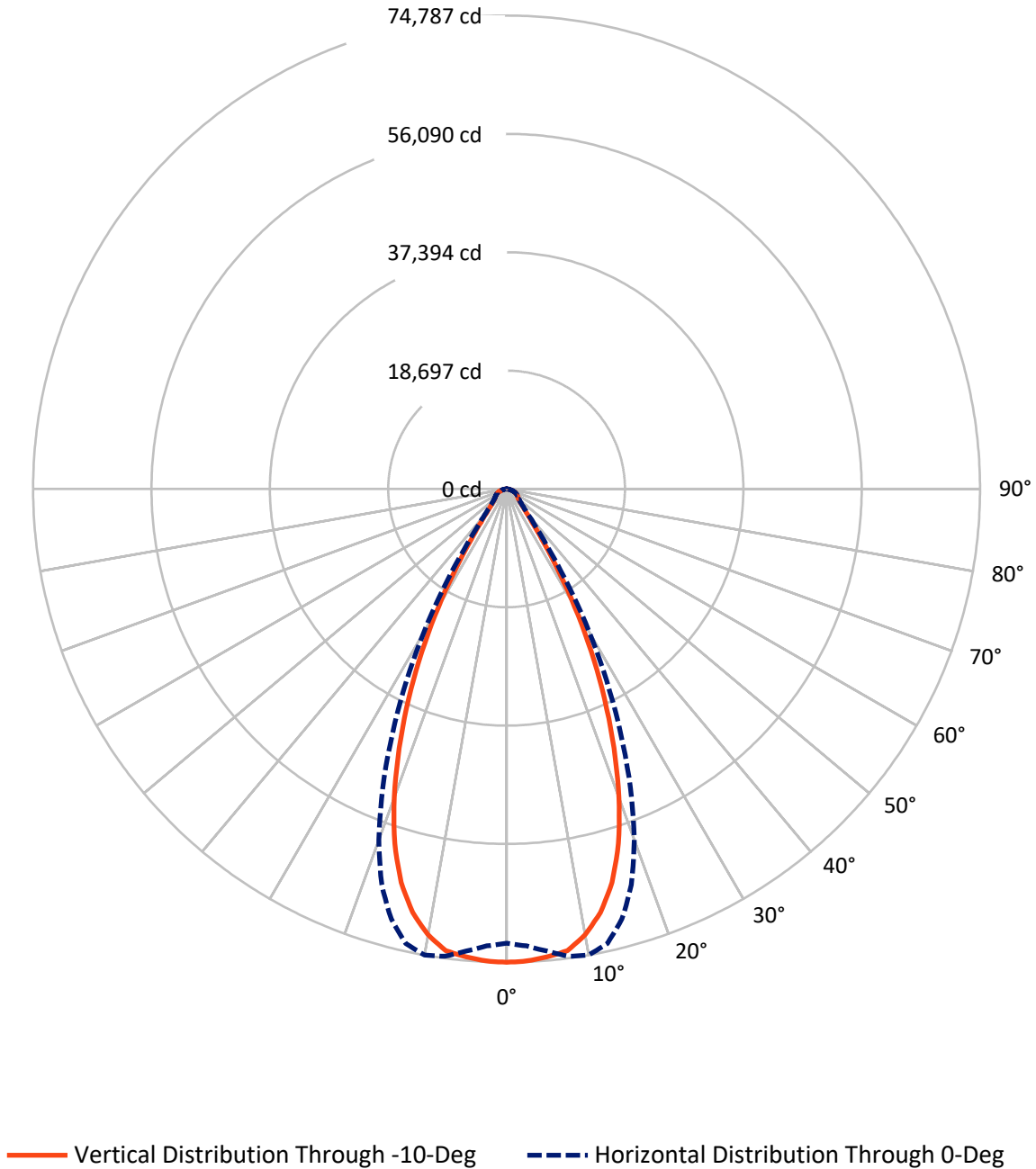
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Lumen Table

90																			
80	1.8	13.4		35.0		56.5		65.2		56.5		35.0		13.4		1.8			
70																			
60	6.1	6.6	13.8	22.8	32.1	40.1	45.9	49.0	49.0	45.9	40.1	32.1	22.8	13.8	6.6	6.1			
50		10.3	21.2	33.6	45.1	54.8	62.2	66.3	66.3	62.2	54.8	45.1	33.6	21.2	10.3				
40	10.9	13.8	27.3	41.3	55.4	71.7	90.8	105.3	105.3	90.8	71.7	55.4	41.3	27.3	13.8	10.9			
30		16.8	31.7	47.9	72.6	129.2	252.6	380.0	380.0	252.6	129.2	72.6	47.9	31.7	16.8				
20	14.5	18.9	34.8	56.2	117.3	373.9	866.4	1229.4	1229.4	866.4	373.9	117.3	56.2	34.8	18.9	14.5			
10		20.3	37.1	66.9	216.5	816.1	1596.3	2035.3	2035.3	1596.3	816.1	216.5	66.9	37.1	20.3				
0	15.8	21.0	38.4	75.5	317.0	1124.0	1975.2	2240.1	2240.1	1975.2	1124.0	317.0	75.5	38.4	21.0	15.8			
-10		21.0	38.4	75.5	317.0	1124.0	1975.2	2240.1	2240.1	1975.2	1124.0	317.0	75.5	38.4	21.0				
-20	14.5	20.3	37.1	66.9	216.5	816.1	1596.3	2035.3	2035.3	1596.3	816.1	216.5	66.9	37.1	20.3	14.5			
-30		18.9	34.8	56.2	117.3	373.9	866.4	1229.4	1229.4	866.4	373.9	117.3	56.2	34.8	18.9				
-40	10.9	16.8	31.7	47.9	72.6	129.2	252.6	380.0	380.0	252.6	129.2	72.6	47.9	31.7	16.8	10.9			
-50		13.8	27.3	41.3	55.4	71.7	90.8	105.3	105.3	90.8	71.7	55.4	41.3	27.3	13.8				
-60	6.1	10.3	21.2	33.6	45.1	54.8	62.2	66.3	66.3	62.2	54.8	45.1	33.6	21.2	10.3	6.1			
-70		6.6	13.8	22.8	32.1	40.1	45.9	49.0	49.0	45.9	40.1	32.1	22.8	13.8	6.6				
-80	1.8	13.4		35.0		56.5		65.2		56.5		35.0		13.4		1.8			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

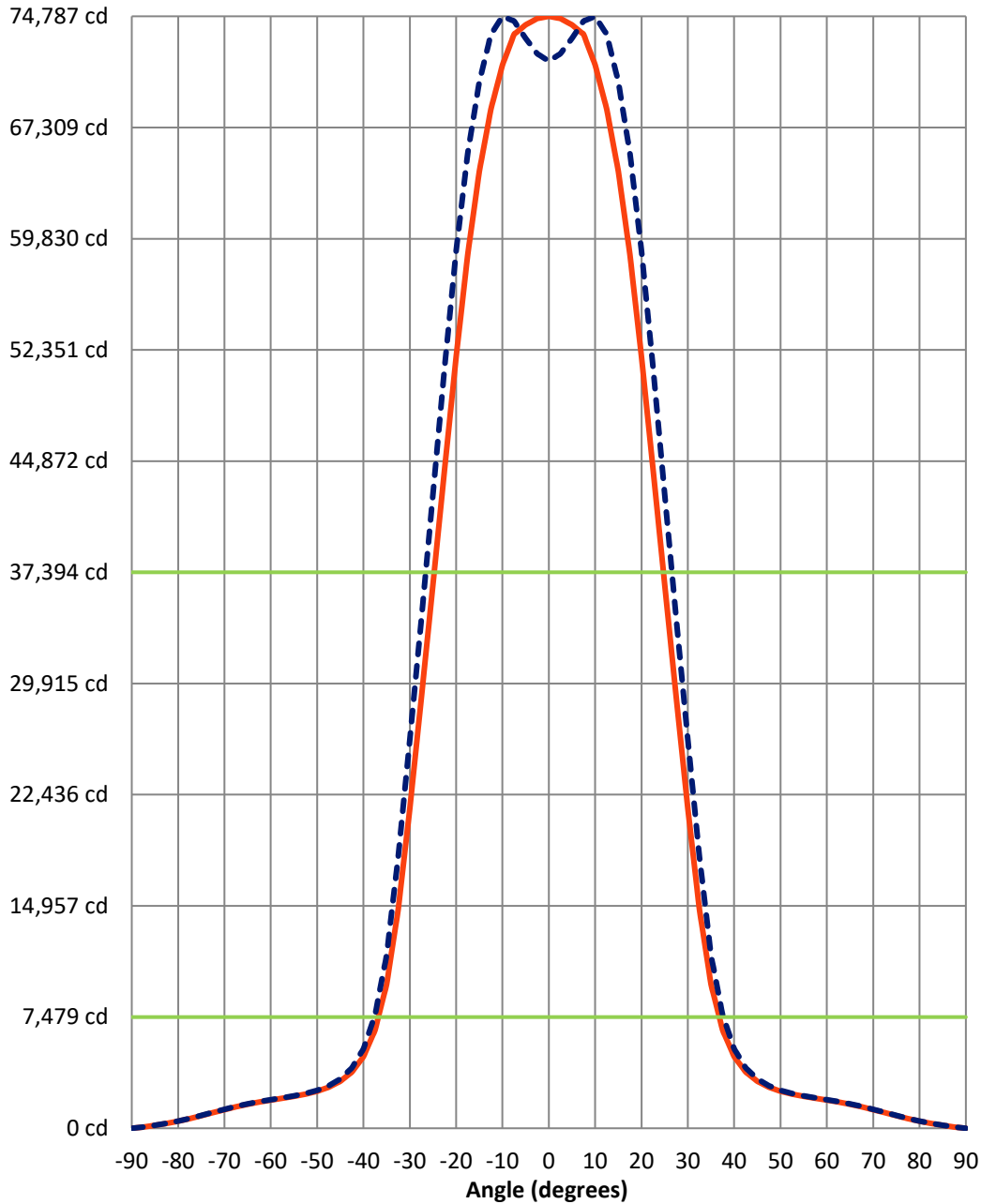
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.1°
 V Angle: 49.5°
 Lumens: 40552.8
 Efficiency: 66.3%

Field:
 H Angle: 75.3°
 V Angle: 73.6°
 Lumens: 52731
 Efficiency: 86.2%

Spill:
 Lumens: 8450.7
 Efficiency: 13.8%

- Vertical Distribution through -10-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.6	7.2	10.8	14.3	17.9	21.4	24.8	28.2	31.6	34.9
85°	0.0	7.2	14.4	21.5	28.7	35.7	42.7	49.6	56.4	63.2	69.7
82.5°	0.0	10.8	21.5	32.3	42.9	53.5	64.0	74.3	85.4	100.1	114.6
80°	0.0	14.3	28.7	42.9	57.1	71.2	86.3	106.4	126.3	145.9	165.2
77.5°	0.0	17.9	35.7	53.5	71.2	91.5	117.0	142.1	166.9	191.4	216.0
75°	0.0	21.4	42.7	64.0	86.3	117.0	147.4	177.5	207.4	238.2	268.5
72.5°	0.0	24.8	49.6	74.3	106.4	142.1	177.5	213.0	249.4	285.2	320.5
70°	0.0	28.2	56.4	85.4	126.3	166.9	207.4	249.4	290.8	331.9	380.1
67.5°	0.0	31.6	63.2	100.1	145.9	191.4	238.2	285.2	331.9	386.8	440.9
65°	0.0	34.9	69.7	114.6	165.2	216.0	268.5	320.5	380.1	440.9	503.7
62.5°	0.0	38.1	76.2	128.8	184.0	240.8	298.2	360.0	427.4	495.9	572.4
60°	0.0	41.3	82.5	142.6	202.5	265.1	327.3	400.6	473.8	556.6	639.8
57.5°	0.0	44.4	91.5	156.1	221.4	288.8	360.7	440.3	525.2	616.0	712.0
55°	0.0	47.4	100.3	169.3	239.8	311.8	393.9	479.0	576.7	675.8	785.6
52.5°	0.0	50.3	108.8	182.0	257.7	335.0	426.1	522.2	626.8	740.2	857.1
50°	0.0	53.1	117.0	194.4	275.1	360.9	457.4	564.7	677.5	802.8	928.6
47.5°	0.0	55.8	124.9	206.4	291.8	386.0	488.2	605.8	731.2	863.2	998.0
45°	0.0	58.4	132.5	218.4	307.9	410.2	522.0	645.3	782.9	923.3	1065.0
42.5°	0.0	60.9	139.8	230.0	323.3	433.3	554.5	686.3	832.5	981.1	1126.0
40°	0.0	63.3	146.8	241.0	339.4	455.4	585.4	727.7	880.5	1036.4	1183.9
37.5°	0.0	65.5	153.4	251.4	356.1	476.3	614.9	767.1	927.1	1088.1	1239.2
35°	0.0	67.7	159.6	261.3	372.0	498.3	642.7	804.4	971.2	1135.0	1292.2
32.5°	0.0	69.7	165.5	270.6	386.8	520.1	670.0	839.5	1012.8	1179.2	1343.2
30°	0.0	71.5	171.0	279.2	400.7	540.4	698.0	872.6	1051.7	1220.6	1391.0
27.5°	0.0	73.3	176.0	287.3	413.6	559.3	724.0	904.0	1087.1	1259.1	1435.5
25°	0.0	74.9	180.7	294.7	425.5	576.7	748.0	933.0	1118.4	1295.4	1476.3
22.5°	0.0	76.3	185.0	301.4	436.3	592.5	769.8	959.4	1147.0	1328.8	1506.8
20°	0.0	77.6	188.8	307.5	446.0	606.7	789.4	983.2	1172.7	1359.0	1534.3
17.5°	0.0	78.8	192.2	312.8	454.7	619.4	806.9	1004.4	1195.6	1385.9	1558.8
15°	0.0	79.8	195.1	317.5	462.2	630.4	822.1	1022.8	1215.6	1409.3	1580.2
12.5°	0.0	80.6	197.7	321.5	468.6	639.8	835.0	1038.5	1232.6	1429.2	1598.4
10°	0.0	81.3	199.7	324.8	473.8	647.5	845.6	1051.4	1246.5	1445.6	1613.4
7.5°	0.0	81.9	201.3	327.3	477.9	653.5	853.9	1061.4	1257.4	1458.4	1625.1
5°	0.0	82.3	202.5	329.1	480.9	657.8	859.8	1068.6	1265.2	1467.6	1633.5
2.5°	0.0	82.5	203.2	330.2	482.6	660.3	863.4	1073.0	1269.9	1473.1	1638.5
0°	0.0	82.6	203.4	330.6	483.2	661.2	864.6	1074.4	1271.5	1474.9	1640.2
-2.5°	0.0	82.5	203.2	330.2	482.6	660.3	863.4	1073.0	1269.9	1473.1	1638.5
-5°	0.0	82.3	202.5	329.1	480.9	657.8	859.8	1068.6	1265.2	1467.6	1633.5
-7.5°	0.0	81.9	201.3	327.3	477.9	653.5	853.9	1061.4	1257.4	1458.4	1625.1
-10°	0.0	81.3	199.7	324.8	473.8	647.5	845.6	1051.4	1246.5	1445.6	1613.4
-12.5°	0.0	80.6	197.7	321.5	468.6	639.8	835.0	1038.5	1232.6	1429.2	1598.4
-15°	0.0	79.8	195.1	317.5	462.2	630.4	822.1	1022.8	1215.6	1409.3	1580.2
-17.5°	0.0	78.8	192.2	312.8	454.7	619.4	806.9	1004.4	1195.6	1385.9	1558.8
-20°	0.0	77.6	188.8	307.5	446.0	606.7	789.4	983.2	1172.7	1359.0	1534.3

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CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	76.3	185.0	301.4	436.3	592.5	769.8	959.4	1147.0	1328.8	1506.8
-25°	0.0	74.9	180.7	294.7	425.5	576.7	748.0	933.0	1118.4	1295.4	1476.3
-27.5°	0.0	73.3	176.0	287.3	413.6	559.3	724.0	904.0	1087.1	1259.1	1435.5
-30°	0.0	71.5	171.0	279.2	400.7	540.4	698.0	872.6	1051.7	1220.6	1391.0
-32.5°	0.0	69.7	165.5	270.6	386.8	520.1	670.0	839.5	1012.8	1179.2	1343.2
-35°	0.0	67.7	159.6	261.3	372.0	498.3	642.7	804.4	971.2	1135.0	1292.2
-37.5°	0.0	65.5	153.4	251.4	356.1	476.3	614.9	767.1	927.1	1088.1	1239.2
-40°	0.0	63.3	146.8	241.0	339.4	455.4	585.4	727.7	880.5	1036.4	1183.9
-42.5°	0.0	60.9	139.8	230.0	323.3	433.3	554.5	686.3	832.5	981.1	1126.0
-45°	0.0	58.4	132.5	218.4	307.9	410.2	522.0	645.3	782.9	923.3	1065.0
-47.5°	0.0	55.8	124.9	206.4	291.8	386.0	488.2	605.8	731.2	863.2	998.0
-50°	0.0	53.1	117.0	194.4	275.1	360.9	457.4	564.7	677.5	802.8	928.6
-52.5°	0.0	50.3	108.8	182.0	257.7	335.0	426.1	522.2	626.8	740.2	857.1
-55°	0.0	47.4	100.3	169.3	239.8	311.8	393.9	479.0	576.7	675.8	785.6
-57.5°	0.0	44.4	91.5	156.1	221.4	288.8	360.7	440.3	525.2	616.0	712.0
-60°	0.0	41.3	82.5	142.6	202.5	265.1	327.3	400.6	473.8	556.6	639.8
-62.5°	0.0	38.1	76.2	128.8	184.0	240.8	298.2	360.0	427.4	495.9	572.4
-65°	0.0	34.9	69.7	114.6	165.2	216.0	268.5	320.5	380.1	440.9	503.7
-67.5°	0.0	31.6	63.2	100.1	145.9	191.4	238.2	285.2	331.9	386.8	440.9
-70°	0.0	28.2	56.4	85.4	126.3	166.9	207.4	249.4	290.8	331.9	380.1
-72.5°	0.0	24.8	49.6	74.3	106.4	142.1	177.5	213.0	249.4	285.2	320.5
-75°	0.0	21.4	42.7	64.0	86.3	117.0	147.4	177.5	207.4	238.2	268.5
-77.5°	0.0	17.9	35.7	53.5	71.2	91.5	117.0	142.1	166.9	191.4	216.0
-80°	0.0	14.3	28.7	42.9	57.1	71.2	86.3	106.4	126.3	145.9	165.2
-82.5°	0.0	10.8	21.5	32.3	42.9	53.5	64.0	74.3	85.4	100.1	114.6
-85°	0.0	7.2	14.4	21.5	28.7	35.7	42.7	49.6	56.4	63.2	69.7
-87.5°	0.0	3.6	7.2	10.8	14.3	17.9	21.4	24.8	28.2	31.6	34.9
-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°	38.1	41.3	44.4	47.4	50.3	53.1	55.8	58.4	60.9	63.3	65.5
85°	76.2	82.5	91.5	100.3	108.8	117.0	124.9	132.5	139.8	146.8	153.4
82.5°	128.8	142.6	156.1	169.3	182.0	194.4	206.4	218.4	230.0	241.0	251.4
80°	184.0	202.5	221.4	239.8	257.7	275.1	291.8	307.9	323.3	339.4	356.1
77.5°	240.8	265.1	288.8	311.8	335.0	360.9	386.0	410.2	433.3	455.4	476.3
75°	298.2	327.3	360.7	393.9	426.1	457.4	488.2	522.0	554.5	585.4	614.9
72.5°	360.0	400.6	440.3	479.0	522.2	564.7	605.8	645.3	686.3	727.7	767.1
70°	427.4	473.8	525.2	576.7	626.8	677.5	731.2	782.9	832.5	880.5	927.1
67.5°	495.9	556.6	616.0	675.8	740.2	802.8	863.2	923.3	981.1	1036.4	1088.1
65°	572.4	639.8	712.0	785.6	857.1	928.6	998.0	1065.0	1126.0	1183.9	1239.2
62.5°	647.7	730.2	812.9	894.6	975.8	1054.8	1127.8	1197.1	1263.9	1329.7	1392.7
60°	730.2	822.1	913.6	1004.4	1091.8	1172.7	1251.2	1328.8	1404.3	1476.3	1532.5
57.5°	812.9	913.6	1013.9	1109.9	1199.9	1288.1	1376.0	1461.0	1530.2	1594.3	1654.3
55°	894.6	1004.4	1109.9	1209.0	1307.0	1404.5	1494.7	1569.3	1641.2	1705.2	1766.4
52.5°	975.8	1091.8	1199.9	1307.0	1414.0	1510.3	1592.9	1670.5	1742.0	1807.9	1862.9
50°	1054.8	1172.7	1288.1	1404.5	1510.3	1600.8	1685.3	1764.4	1832.9	1894.4	1953.5
47.5°	1127.8	1251.2	1376.0	1494.7	1592.9	1685.3	1771.8	1845.5	1913.5	1979.2	2042.5
45°	1197.1	1328.8	1461.0	1569.3	1670.5	1764.4	1845.5	1919.9	1992.2	2062.9	2133.8
42.5°	1263.9	1404.3	1530.2	1641.2	1742.0	1832.9	1913.5	1992.2	2069.8	2147.9	2231.3
40°	1329.7	1476.3	1594.3	1705.2	1807.9	1894.4	1979.2	2062.9	2147.9	2239.8	2334.8
37.5°	1392.7	1532.5	1654.3	1766.4	1862.9	1953.5	2042.5	2133.8	2231.3	2334.8	2465.9
35°	1452.5	1585.9	1708.1	1819.5	1915.4	2010.0	2105.9	2205.8	2317.4	2454.2	2615.6
32.5°	1502.6	1636.3	1759.0	1865.5	1965.3	2064.5	2166.5	2282.9	2419.1	2580.0	2798.3
30°	1545.7	1680.4	1804.5	1908.9	2012.3	2117.9	2232.0	2361.4	2522.5	2743.8	3025.2
27.5°	1585.9	1721.2	1841.8	1949.5	2056.7	2167.8	2296.1	2452.3	2654.2	2916.4	3268.3
25°	1622.9	1759.0	1876.2	1987.1	2099.7	2220.7	2360.9	2537.2	2789.6	3129.8	3608.2
22.5°	1655.6	1793.4	1907.8	2021.6	2139.1	2271.6	2433.6	2647.7	2940.3	3333.6	3953.8
20°	1683.9	1819.5	1936.4	2053.1	2174.9	2317.8	2499.7	2753.8	3108.6	3628.5	4423.3
17.5°	1709.1	1842.6	1961.9	2082.5	2211.9	2365.5	2563.6	2849.1	3260.0	3894.5	4919.3
15°	1731.0	1862.9	1984.2	2108.1	2245.2	2413.4	2641.0	2966.9	3440.6	4178.6	5369.0
12.5°	1749.8	1880.2	2003.2	2130.1	2273.7	2454.4	2707.2	3072.7	3627.3	4528.5	6044.0
10°	1765.2	1894.4	2018.9	2148.1	2297.2	2488.3	2762.0	3160.3	3782.2	4819.2	6606.2
7.5°	1777.2	1905.5	2031.2	2162.3	2315.7	2514.9	2805.0	3229.1	3903.9	5048.2	7049.8
5°	1785.9	1913.5	2039.9	2172.4	2328.9	2534.0	2835.9	3278.7	3991.7	5213.4	7370.2
2.5°	1791.1	1918.3	2045.2	2178.6	2336.8	2545.5	2854.6	3308.5	4044.6	5313.1	7564.0
0°	1792.8	1919.9	2047.0	2180.6	2339.5	2549.3	2860.8	3318.5	4062.3	5346.5	7628.8
-2.5°	1791.1	1918.3	2045.2	2178.6	2336.8	2545.5	2854.6	3308.5	4044.6	5313.1	7564.0
-5°	1785.9	1913.5	2039.9	2172.4	2328.9	2534.0	2835.9	3278.7	3991.7	5213.4	7370.2
-7.5°	1777.2	1905.5	2031.2	2162.3	2315.7	2514.9	2805.0	3229.1	3903.9	5048.2	7049.8
-10°	1765.2	1894.4	2018.9	2148.1	2297.2	2488.3	2762.0	3160.3	3782.2	4819.2	6606.2
-12.5°	1749.8	1880.2	2003.2	2130.1	2273.7	2454.4	2707.2	3072.7	3627.3	4528.5	6044.0
-15°	1731.0	1862.9	1984.2	2108.1	2245.2	2413.4	2641.0	2966.9	3440.6	4178.6	5369.0
-17.5°	1709.1	1842.6	1961.9	2082.5	2211.9	2365.5	2563.6	2849.1	3260.0	3894.5	4919.3
-20°	1683.9	1819.5	1936.4	2053.1	2174.9	2317.8	2499.7	2753.8	3108.6	3628.5	4423.3

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

Scaled Data Report



REPORT NUMBER: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1655.6	1793.4	1907.8	2021.6	2139.1	2271.6	2433.6	2647.7	2940.3	3333.6	3953.8
-25°	1622.9	1759.0	1876.2	1987.1	2099.7	2220.7	2360.9	2537.2	2789.6	3129.8	3608.2
-27.5°	1585.9	1721.2	1841.8	1949.5	2056.7	2167.8	2296.1	2452.3	2654.2	2916.4	3268.3
-30°	1545.7	1680.4	1804.5	1908.9	2012.3	2117.9	2232.0	2361.4	2522.5	2743.8	3025.2
-32.5°	1502.6	1636.3	1759.0	1865.5	1965.3	2064.5	2166.5	2282.9	2419.1	2580.0	2798.3
-35°	1452.5	1585.9	1708.1	1819.5	1915.4	2010.0	2105.9	2205.8	2317.4	2454.2	2615.6
-37.5°	1392.7	1532.5	1654.3	1766.4	1862.9	1953.5	2042.5	2133.8	2231.3	2334.8	2465.9
-40°	1329.7	1476.3	1594.3	1705.2	1807.9	1894.4	1979.2	2062.9	2147.9	2239.8	2334.8
-42.5°	1263.9	1404.3	1530.2	1641.2	1742.0	1832.9	1913.5	1992.2	2069.8	2147.9	2231.3
-45°	1197.1	1328.8	1461.0	1569.3	1670.5	1764.4	1845.5	1919.9	1992.2	2062.9	2133.8
-47.5°	1127.8	1251.2	1376.0	1494.7	1592.9	1685.3	1771.8	1845.5	1913.5	1979.2	2042.5
-50°	1054.8	1172.7	1288.1	1404.5	1510.3	1600.8	1685.3	1764.4	1832.9	1894.4	1953.5
-52.5°	975.8	1091.8	1199.9	1307.0	1414.0	1510.3	1592.9	1670.5	1742.0	1807.9	1862.9
-55°	894.6	1004.4	1109.9	1209.0	1307.0	1404.5	1494.7	1569.3	1641.2	1705.2	1766.4
-57.5°	812.9	913.6	1013.9	1109.9	1199.9	1288.1	1376.0	1461.0	1530.2	1594.3	1654.3
-60°	730.2	822.1	913.6	1004.4	1091.8	1172.7	1251.2	1328.8	1404.3	1476.3	1532.5
-62.5°	647.7	730.2	812.9	894.6	975.8	1054.8	1127.8	1197.1	1263.9	1329.7	1392.7
-65°	572.4	639.8	712.0	785.6	857.1	928.6	998.0	1065.0	1126.0	1183.9	1239.2
-67.5°	495.9	556.6	616.0	675.8	740.2	802.8	863.2	923.3	981.1	1036.4	1088.1
-70°	427.4	473.8	525.2	576.7	626.8	677.5	731.2	782.9	832.5	880.5	927.1
-72.5°	360.0	400.6	440.3	479.0	522.2	564.7	605.8	645.3	686.3	727.7	767.1
-75°	298.2	327.3	360.7	393.9	426.1	457.4	488.2	522.0	554.5	585.4	614.9
-77.5°	240.8	265.1	288.8	311.8	335.0	360.9	386.0	410.2	433.3	455.4	476.3
-80°	184.0	202.5	221.4	239.8	257.7	275.1	291.8	307.9	323.3	339.4	356.1
-82.5°	128.8	142.6	156.1	169.3	182.0	194.4	206.4	218.4	230.0	241.0	251.4
-85°	76.2	82.5	91.5	100.3	108.8	117.0	124.9	132.5	139.8	146.8	153.4
-87.5°	38.1	41.3	44.4	47.4	50.3	53.1	55.8	58.4	60.9	63.3	65.5
-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: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	67.7	69.7	71.5	73.3	74.9	76.3	77.6	78.8	79.8	80.6	81.3
85°	159.6	165.5	171.0	176.0	180.7	185.0	188.8	192.2	195.1	197.7	199.7
82.5°	261.3	270.6	279.2	287.3	294.7	301.4	307.5	312.8	317.5	321.5	324.8
80°	372.0	386.8	400.7	413.6	425.5	436.3	446.0	454.7	462.2	468.6	473.8
77.5°	498.3	520.1	540.4	559.3	576.7	592.5	606.7	619.4	630.4	639.8	647.5
75°	642.7	670.0	698.0	724.0	748.0	769.8	789.4	806.9	822.1	835.0	845.6
72.5°	804.4	839.5	872.6	904.0	933.0	959.4	983.2	1004.4	1022.8	1038.5	1051.4
70°	971.2	1012.8	1051.7	1087.1	1118.4	1147.0	1172.7	1195.6	1215.6	1232.6	1246.5
67.5°	1135.0	1179.2	1220.6	1259.1	1295.4	1328.8	1359.0	1385.9	1409.3	1429.2	1445.6
65°	1292.2	1343.2	1391.0	1435.5	1476.3	1506.8	1534.3	1558.8	1580.2	1598.4	1613.4
62.5°	1452.5	1502.6	1545.7	1585.9	1622.9	1655.6	1683.9	1709.1	1731.0	1749.8	1765.2
60°	1585.9	1636.3	1680.4	1721.2	1759.0	1793.4	1819.5	1842.6	1862.9	1880.2	1894.4
57.5°	1708.1	1759.0	1804.5	1841.8	1876.2	1907.8	1936.4	1961.9	1984.2	2003.2	2018.9
55°	1819.5	1865.5	1908.9	1949.5	1987.1	2021.6	2053.1	2082.5	2108.1	2130.1	2148.1
52.5°	1915.4	1965.3	2012.3	2056.7	2099.7	2139.1	2174.9	2211.9	2245.2	2273.7	2297.2
50°	2010.0	2064.5	2117.9	2167.8	2220.7	2271.6	2317.8	2365.5	2413.4	2454.4	2488.3
47.5°	2105.9	2166.5	2232.0	2296.1	2360.9	2433.6	2499.7	2563.6	2641.0	2707.2	2762.0
45°	2205.8	2282.9	2361.4	2452.3	2537.2	2647.7	2753.8	2849.1	2966.9	3072.7	3160.3
42.5°	2317.4	2419.1	2522.5	2654.2	2789.6	2940.3	3108.6	3260.0	3440.6	3627.3	3782.2
40°	2454.2	2580.0	2743.8	2916.4	3129.8	3333.6	3628.5	3894.5	4178.6	4528.5	4819.2
37.5°	2615.6	2798.3	3025.2	3268.3	3608.2	3953.8	4423.3	4919.3	5369.0	6044.0	6606.2
35°	2816.6	3080.3	3374.0	3795.1	4286.6	4926.7	5649.2	6601.0	7447.6	8603.8	9685.1
32.5°	3080.3	3420.1	3889.7	4537.9	5270.1	6429.8	7558.0	9318.7	10938.8	12787.4	14722.3
30°	3374.0	3889.7	4622.4	5520.1	6907.7	8660.5	10802.7	13468.8	16351.0	18978.8	21492.7
27.5°	3795.1	4537.9	5520.1	7068.6	9248.4	11748.9	15525.2	19134.1	22852.5	26114.0	28962.6
25°	4286.6	5270.1	6907.7	9248.4	12253.2	16573.3	21073.5	25530.8	29688.5	33375.5	36586.3
22.5°	4926.7	6429.8	8660.5	11748.9	16573.3	21729.1	26927.4	31905.8	36526.6	40706.2	44301.0
20°	5649.2	7558.0	10802.7	15525.2	21073.5	26927.4	32657.8	38163.1	43288.7	47928.5	51877.1
17.5°	6601.0	9318.7	13468.8	19134.1	25530.8	31905.8	38163.1	44175.5	49809.1	54632.1	58758.0
15°	7447.6	10938.8	16351.0	22852.5	29688.5	36526.6	43288.7	49809.1	55577.1	60492.2	64355.8
12.5°	8603.8	12787.4	18978.8	26114.0	33375.5	40706.2	47928.5	54632.1	60492.2	65294.2	68536.2
10°	9685.1	14722.3	21492.7	28962.6	36586.3	44301.0	51877.1	58758.0	64355.8	68536.2	71514.2
7.5°	10540.3	16257.0	23493.3	31239.7	39190.4	47225.7	54900.7	61649.6	67050.1	70952.9	73571.6
5°	11159.2	17370.0	24948.3	32901.4	41099.2	49381.9	57147.1	63790.8	68852.4	72352.4	74213.6
2.5°	11533.9	18044.8	25832.1	33913.3	42265.2	50704.8	58533.2	65122.9	69987.1	73249.9	74637.8
0°	11659.3	18270.9	26128.5	34253.1	42657.5	51150.8	59002.1	65575.5	70375.3	73560.3	74787.3
-2.5°	11533.9	18044.8	25832.1	33913.3	42265.2	50704.8	58533.2	65122.9	69987.1	73249.9	74637.8
-5°	11159.2	17370.0	24948.3	32901.4	41099.2	49381.9	57147.1	63790.8	68852.4	72352.4	74213.6
-7.5°	10540.3	16257.0	23493.3	31239.7	39190.4	47225.7	54900.7	61649.6	67050.1	70952.9	73571.6
-10°	9685.1	14722.3	21492.7	28962.6	36586.3	44301.0	51877.1	58758.0	64355.8	68536.2	71514.2
-12.5°	8603.8	12787.4	18978.8	26114.0	33375.5	40706.2	47928.5	54632.1	60492.2	65294.2	68536.2
-15°	7447.6	10938.8	16351.0	22852.5	29688.5	36526.6	43288.7	49809.1	55577.1	60492.2	64355.8
-17.5°	6601.0	9318.7	13468.8	19134.1	25530.8	31905.8	38163.1	44175.5	49809.1	54632.1	58758.0
-20°	5649.2	7558.0	10802.7	15525.2	21073.5	26927.4	32657.8	38163.1	43288.7	47928.5	51877.1

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4926.7	6429.8	8660.5	11748.9	16573.3	21729.1	26927.4	31905.8	36526.6	40706.2	44301.0
-25°	4286.6	5270.1	6907.7	9248.4	12253.2	16573.3	21073.5	25530.8	29688.5	33375.5	36586.3
-27.5°	3795.1	4537.9	5520.1	7068.6	9248.4	11748.9	15525.2	19134.1	22852.5	26114.0	28962.6
-30°	3374.0	3889.7	4622.4	5520.1	6907.7	8660.5	10802.7	13468.8	16351.0	18978.8	21492.7
-32.5°	3080.3	3420.1	3889.7	4537.9	5270.1	6429.8	7558.0	9318.7	10938.8	12787.4	14722.3
-35°	2816.6	3080.3	3374.0	3795.1	4286.6	4926.7	5649.2	6601.0	7447.6	8603.8	9685.1
-37.5°	2615.6	2798.3	3025.2	3268.3	3608.2	3953.8	4423.3	4919.3	5369.0	6044.0	6606.2
-40°	2454.2	2580.0	2743.8	2916.4	3129.8	3333.6	3628.5	3894.5	4178.6	4528.5	4819.2
-42.5°	2317.4	2419.1	2522.5	2654.2	2789.6	2940.3	3108.6	3260.0	3440.6	3627.3	3782.2
-45°	2205.8	2282.9	2361.4	2452.3	2537.2	2647.7	2753.8	2849.1	2966.9	3072.7	3160.3
-47.5°	2105.9	2166.5	2232.0	2296.1	2360.9	2433.6	2499.7	2563.6	2641.0	2707.2	2762.0
-50°	2010.0	2064.5	2117.9	2167.8	2220.7	2271.6	2317.8	2365.5	2413.4	2454.4	2488.3
-52.5°	1915.4	1965.3	2012.3	2056.7	2099.7	2139.1	2174.9	2211.9	2245.2	2273.7	2297.2
-55°	1819.5	1865.5	1908.9	1949.5	1987.1	2021.6	2053.1	2082.5	2108.1	2130.1	2148.1
-57.5°	1708.1	1759.0	1804.5	1841.8	1876.2	1907.8	1936.4	1961.9	1984.2	2003.2	2018.9
-60°	1585.9	1636.3	1680.4	1721.2	1759.0	1793.4	1819.5	1842.6	1862.9	1880.2	1894.4
-62.5°	1452.5	1502.6	1545.7	1585.9	1622.9	1655.6	1683.9	1709.1	1731.0	1749.8	1765.2
-65°	1292.2	1343.2	1391.0	1435.5	1476.3	1506.8	1534.3	1558.8	1580.2	1598.4	1613.4
-67.5°	1135.0	1179.2	1220.6	1259.1	1295.4	1328.8	1359.0	1385.9	1409.3	1429.2	1445.6
-70°	971.2	1012.8	1051.7	1087.1	1118.4	1147.0	1172.7	1195.6	1215.6	1232.6	1246.5
-72.5°	804.4	839.5	872.6	904.0	933.0	959.4	983.2	1004.4	1022.8	1038.5	1051.4
-75°	642.7	670.0	698.0	724.0	748.0	769.8	789.4	806.9	822.1	835.0	845.6
-77.5°	498.3	520.1	540.4	559.3	576.7	592.5	606.7	619.4	630.4	639.8	647.5
-80°	372.0	386.8	400.7	413.6	425.5	436.3	446.0	454.7	462.2	468.6	473.8
-82.5°	261.3	270.6	279.2	287.3	294.7	301.4	307.5	312.8	317.5	321.5	324.8
-85°	159.6	165.5	171.0	176.0	180.7	185.0	188.8	192.2	195.1	197.7	199.7
-87.5°	67.7	69.7	71.5	73.3	74.9	76.3	77.6	78.8	79.8	80.6	81.3
-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: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	81.9	82.3	82.5	82.6	82.5	82.3	81.9	81.3	80.6	79.8	78.8
85°	201.3	202.5	203.2	203.4	203.2	202.5	201.3	199.7	197.7	195.1	192.2
82.5°	327.3	329.1	330.2	330.6	330.2	329.1	327.3	324.8	321.5	317.5	312.8
80°	477.9	480.9	482.6	483.2	482.6	480.9	477.9	473.8	468.6	462.2	454.7
77.5°	653.5	657.8	660.3	661.2	660.3	657.8	653.5	647.5	639.8	630.4	619.4
75°	853.9	859.8	863.4	864.6	863.4	859.8	853.9	845.6	835.0	822.1	806.9
72.5°	1061.4	1068.6	1073.0	1074.4	1073.0	1068.6	1061.4	1051.4	1038.5	1022.8	1004.4
70°	1257.4	1265.2	1269.9	1271.5	1269.9	1265.2	1257.4	1246.5	1232.6	1215.6	1195.6
67.5°	1458.4	1467.6	1473.1	1474.9	1473.1	1467.6	1458.4	1445.6	1429.2	1409.3	1385.9
65°	1625.1	1633.5	1638.5	1640.2	1638.5	1633.5	1625.1	1613.4	1598.4	1580.2	1558.8
62.5°	1777.2	1785.9	1791.1	1792.8	1791.1	1785.9	1777.2	1765.2	1749.8	1731.0	1709.1
60°	1905.5	1913.5	1918.3	1919.9	1918.3	1913.5	1905.5	1894.4	1880.2	1862.9	1842.6
57.5°	2031.2	2039.9	2045.2	2047.0	2045.2	2039.9	2031.2	2018.9	2003.2	1984.2	1961.9
55°	2162.3	2172.4	2178.6	2180.6	2178.6	2172.4	2162.3	2148.1	2130.1	2108.1	2082.5
52.5°	2315.7	2328.9	2336.8	2339.5	2336.8	2328.9	2315.7	2297.2	2273.7	2245.2	2211.9
50°	2514.9	2534.0	2545.5	2549.3	2545.5	2534.0	2514.9	2488.3	2454.4	2413.4	2365.5
47.5°	2805.0	2835.9	2854.6	2860.8	2854.6	2835.9	2805.0	2762.0	2707.2	2641.0	2563.6
45°	3229.1	3278.7	3308.5	3318.5	3308.5	3278.7	3229.1	3160.3	3072.7	2966.9	2849.1
42.5°	3903.9	3991.7	4044.6	4062.3	4044.6	3991.7	3903.9	3782.2	3627.3	3440.6	3260.0
40°	5048.2	5213.4	5313.1	5346.5	5313.1	5213.4	5048.2	4819.2	4528.5	4178.6	3894.5
37.5°	7049.8	7370.2	7564.0	7628.8	7564.0	7370.2	7049.8	6606.2	6044.0	5369.0	4919.3
35°	10540.3	11159.2	11533.9	11659.3	11533.9	11159.2	10540.3	9685.1	8603.8	7447.6	6601.0
32.5°	16257.0	17370.0	18044.8	18270.9	18044.8	17370.0	16257.0	14722.3	12787.4	10938.8	9318.7
30°	23493.3	24948.3	25832.1	26128.5	25832.1	24948.3	23493.3	21492.7	18978.8	16351.0	13468.8
27.5°	31239.7	32901.4	33913.3	34253.1	33913.3	32901.4	31239.7	28962.6	26114.0	22852.5	19134.1
25°	39190.4	41099.2	42265.2	42657.5	42265.2	41099.2	39190.4	36586.3	33375.5	29688.5	25530.8
22.5°	47225.7	49381.9	50704.8	51150.8	50704.8	49381.9	47225.7	44301.0	40706.2	36526.6	31905.8
20°	54900.7	57147.1	58533.2	59002.1	58533.2	57147.1	54900.7	51877.1	47928.5	43288.7	38163.1
17.5°	61649.6	63790.8	65122.9	65575.5	65122.9	63790.8	61649.6	58758.0	54632.1	49809.1	44175.5
15°	67050.1	68852.4	69987.1	70375.3	69987.1	68852.4	67050.1	64355.8	60492.2	55577.1	49809.1
12.5°	70952.9	72352.4	73249.9	73560.3	73249.9	72352.4	70952.9	68536.2	65294.2	60492.2	54632.1
10°	73571.6	74213.6	74637.8	74787.3	74637.8	74213.6	73571.6	71514.2	68536.2	64355.8	58758.0
7.5°	74497.0	74658.4	74515.3	74463.0	74515.3	74658.4	74497.0	73571.6	70952.9	67050.1	61649.6
5°	74658.4	74262.4	73578.5	73306.0	73578.5	74262.4	74658.4	74213.6	72352.4	68852.4	63790.8
2.5°	74515.3	73578.5	72702.5	72276.1	72702.5	73578.5	74515.3	74637.8	73249.9	69987.1	65122.9
0°	74463.0	73306.0	72276.1	71767.5	72276.1	73306.0	74463.0	74787.3	73560.3	70375.3	65575.5
-2.5°	74515.3	73578.5	72702.5	72276.1	72702.5	73578.5	74515.3	74637.8	73249.9	69987.1	65122.9
-5°	74658.4	74262.4	73578.5	73306.0	73578.5	74262.4	74658.4	74213.6	72352.4	68852.4	63790.8
-7.5°	74497.0	74658.4	74515.3	74463.0	74515.3	74658.4	74497.0	73571.6	70952.9	67050.1	61649.6
-10°	73571.6	74213.6	74637.8	74787.3	74637.8	74213.6	73571.6	71514.2	68536.2	64355.8	58758.0
-12.5°	70952.9	72352.4	73249.9	73560.3	73249.9	72352.4	70952.9	68536.2	65294.2	60492.2	54632.1
-15°	67050.1	68852.4	69987.1	70375.3	69987.1	68852.4	67050.1	64355.8	60492.2	55577.1	49809.1
-17.5°	61649.6	63790.8	65122.9	65575.5	65122.9	63790.8	61649.6	58758.0	54632.1	49809.1	44175.5
-20°	54900.7	57147.1	58533.2	59002.1	58533.2	57147.1	54900.7	51877.1	47928.5	43288.7	38163.1



REPORT NUMBER: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	47225.7	49381.9	50704.8	51150.8	50704.8	49381.9	47225.7	44301.0	40706.2	36526.6	31905.8
-25°	39190.4	41099.2	42265.2	42657.5	42265.2	41099.2	39190.4	36586.3	33375.5	29688.5	25530.8
-27.5°	31239.7	32901.4	33913.3	34253.1	33913.3	32901.4	31239.7	28962.6	26114.0	22852.5	19134.1
-30°	23493.3	24948.3	25832.1	26128.5	25832.1	24948.3	23493.3	21492.7	18978.8	16351.0	13468.8
-32.5°	16257.0	17370.0	18044.8	18270.9	18044.8	17370.0	16257.0	14722.3	12787.4	10938.8	9318.7
-35°	10540.3	11159.2	11533.9	11659.3	11533.9	11159.2	10540.3	9685.1	8603.8	7447.6	6601.0
-37.5°	7049.8	7370.2	7564.0	7628.8	7564.0	7370.2	7049.8	6606.2	6044.0	5369.0	4919.3
-40°	5048.2	5213.4	5313.1	5346.5	5313.1	5213.4	5048.2	4819.2	4528.5	4178.6	3894.5
-42.5°	3903.9	3991.7	4044.6	4062.3	4044.6	3991.7	3903.9	3782.2	3627.3	3440.6	3260.0
-45°	3229.1	3278.7	3308.5	3318.5	3308.5	3278.7	3229.1	3160.3	3072.7	2966.9	2849.1
-47.5°	2805.0	2835.9	2854.6	2860.8	2854.6	2835.9	2805.0	2762.0	2707.2	2641.0	2563.6
-50°	2514.9	2534.0	2545.5	2549.3	2545.5	2534.0	2514.9	2488.3	2454.4	2413.4	2365.5
-52.5°	2315.7	2328.9	2336.8	2339.5	2336.8	2328.9	2315.7	2297.2	2273.7	2245.2	2211.9
-55°	2162.3	2172.4	2178.6	2180.6	2178.6	2172.4	2162.3	2148.1	2130.1	2108.1	2082.5
-57.5°	2031.2	2039.9	2045.2	2047.0	2045.2	2039.9	2031.2	2018.9	2003.2	1984.2	1961.9
-60°	1905.5	1913.5	1918.3	1919.9	1918.3	1913.5	1905.5	1894.4	1880.2	1862.9	1842.6
-62.5°	1777.2	1785.9	1791.1	1792.8	1791.1	1785.9	1777.2	1765.2	1749.8	1731.0	1709.1
-65°	1625.1	1633.5	1638.5	1640.2	1638.5	1633.5	1625.1	1613.4	1598.4	1580.2	1558.8
-67.5°	1458.4	1467.6	1473.1	1474.9	1473.1	1467.6	1458.4	1445.6	1429.2	1409.3	1385.9
-70°	1257.4	1265.2	1269.9	1271.5	1269.9	1265.2	1257.4	1246.5	1232.6	1215.6	1195.6
-72.5°	1061.4	1068.6	1073.0	1074.4	1073.0	1068.6	1061.4	1051.4	1038.5	1022.8	1004.4
-75°	853.9	859.8	863.4	864.6	863.4	859.8	853.9	845.6	835.0	822.1	806.9
-77.5°	653.5	657.8	660.3	661.2	660.3	657.8	653.5	647.5	639.8	630.4	619.4
-80°	477.9	480.9	482.6	483.2	482.6	480.9	477.9	473.8	468.6	462.2	454.7
-82.5°	327.3	329.1	330.2	330.6	330.2	329.1	327.3	324.8	321.5	317.5	312.8
-85°	201.3	202.5	203.2	203.4	203.2	202.5	201.3	199.7	197.7	195.1	192.2
-87.5°	81.9	82.3	82.5	82.6	82.5	82.3	81.9	81.3	80.6	79.8	78.8
-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: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	77.6	76.3	74.9	73.3	71.5	69.7	67.7	65.5	63.3	60.9	58.4
85°	188.8	185.0	180.7	176.0	171.0	165.5	159.6	153.4	146.8	139.8	132.5
82.5°	307.5	301.4	294.7	287.3	279.2	270.6	261.3	251.4	241.0	230.0	218.4
80°	446.0	436.3	425.5	413.6	400.7	386.8	372.0	356.1	339.4	323.3	307.9
77.5°	606.7	592.5	576.7	559.3	540.4	520.1	498.3	476.3	455.4	433.3	410.2
75°	789.4	769.8	748.0	724.0	698.0	670.0	642.7	614.9	585.4	554.5	522.0
72.5°	983.2	959.4	933.0	904.0	872.6	839.5	804.4	767.1	727.7	686.3	645.3
70°	1172.7	1147.0	1118.4	1087.1	1051.7	1012.8	971.2	927.1	880.5	832.5	782.9
67.5°	1359.0	1328.8	1295.4	1259.1	1220.6	1179.2	1135.0	1088.1	1036.4	981.1	923.3
65°	1534.3	1506.8	1476.3	1435.5	1391.0	1343.2	1292.2	1239.2	1183.9	1126.0	1065.0
62.5°	1683.9	1655.6	1622.9	1585.9	1545.7	1502.6	1452.5	1392.7	1329.7	1263.9	1197.1
60°	1819.5	1793.4	1759.0	1721.2	1680.4	1636.3	1585.9	1532.5	1476.3	1404.3	1328.8
57.5°	1936.4	1907.8	1876.2	1841.8	1804.5	1759.0	1708.1	1654.3	1594.3	1530.2	1461.0
55°	2053.1	2021.6	1987.1	1949.5	1908.9	1865.5	1819.5	1766.4	1705.2	1641.2	1569.3
52.5°	2174.9	2139.1	2099.7	2056.7	2012.3	1965.3	1915.4	1862.9	1807.9	1742.0	1670.5
50°	2317.8	2271.6	2220.7	2167.8	2117.9	2064.5	2010.0	1953.5	1894.4	1832.9	1764.4
47.5°	2499.7	2433.6	2360.9	2296.1	2232.0	2166.5	2105.9	2042.5	1979.2	1913.5	1845.5
45°	2753.8	2647.7	2537.2	2452.3	2361.4	2282.9	2205.8	2133.8	2062.9	1992.2	1919.9
42.5°	3108.6	2940.3	2789.6	2654.2	2522.5	2419.1	2317.4	2231.3	2147.9	2069.8	1992.2
40°	3628.5	3333.6	3129.8	2916.4	2743.8	2580.0	2454.2	2334.8	2239.8	2147.9	2062.9
37.5°	4423.3	3953.8	3608.2	3268.3	3025.2	2798.3	2615.6	2465.9	2334.8	2231.3	2133.8
35°	5649.2	4926.7	4286.6	3795.1	3374.0	3080.3	2816.6	2615.6	2454.2	2317.4	2205.8
32.5°	7558.0	6429.8	5270.1	4537.9	3889.7	3420.1	3080.3	2798.3	2580.0	2419.1	2282.9
30°	10802.7	8660.5	6907.7	5520.1	4622.4	3889.7	3374.0	3025.2	2743.8	2522.5	2361.4
27.5°	15525.2	11748.9	9248.4	7068.6	5520.1	4537.9	3795.1	3268.3	2916.4	2654.2	2452.3
25°	21073.5	16573.3	12253.2	9248.4	6907.7	5270.1	4286.6	3608.2	3129.8	2789.6	2537.2
22.5°	26927.4	21729.1	16573.3	11748.9	8660.5	6429.8	4926.7	3953.8	3333.6	2940.3	2647.7
20°	32657.8	26927.4	21073.5	15525.2	10802.7	7558.0	5649.2	4423.3	3628.5	3108.6	2753.8
17.5°	38163.1	31905.8	25530.8	19134.1	13468.8	9318.7	6601.0	4919.3	3894.5	3260.0	2849.1
15°	43288.7	36526.6	29688.5	22852.5	16351.0	10938.8	7447.6	5369.0	4178.6	3440.6	2966.9
12.5°	47928.5	40706.2	33375.5	26114.0	18978.8	12787.4	8603.8	6044.0	4528.5	3627.3	3072.7
10°	51877.1	44301.0	36586.3	28962.6	21492.7	14722.3	9685.1	6606.2	4819.2	3782.2	3160.3
7.5°	54900.7	47225.7	39190.4	31239.7	23493.3	16257.0	10540.3	7049.8	5048.2	3903.9	3229.1
5°	57147.1	49381.9	41099.2	32901.4	24948.3	17370.0	11159.2	7370.2	5213.4	3991.7	3278.7
2.5°	58533.2	50704.8	42265.2	33913.3	25832.1	18044.8	11533.9	7564.0	5313.1	4044.6	3308.5
0°	59002.1	51150.8	42657.5	34253.1	26128.5	18270.9	11659.3	7628.8	5346.5	4062.3	3318.5
-2.5°	58533.2	50704.8	42265.2	33913.3	25832.1	18044.8	11533.9	7564.0	5313.1	4044.6	3308.5
-5°	57147.1	49381.9	41099.2	32901.4	24948.3	17370.0	11159.2	7370.2	5213.4	3991.7	3278.7
-7.5°	54900.7	47225.7	39190.4	31239.7	23493.3	16257.0	10540.3	7049.8	5048.2	3903.9	3229.1
-10°	51877.1	44301.0	36586.3	28962.6	21492.7	14722.3	9685.1	6606.2	4819.2	3782.2	3160.3
-12.5°	47928.5	40706.2	33375.5	26114.0	18978.8	12787.4	8603.8	6044.0	4528.5	3627.3	3072.7
-15°	43288.7	36526.6	29688.5	22852.5	16351.0	10938.8	7447.6	5369.0	4178.6	3440.6	2966.9
-17.5°	38163.1	31905.8	25530.8	19134.1	13468.8	9318.7	6601.0	4919.3	3894.5	3260.0	2849.1
-20°	32657.8	26927.4	21073.5	15525.2	10802.7	7558.0	5649.2	4423.3	3628.5	3108.6	2753.8



REPORT NUMBER: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	26927.4	21729.1	16573.3	11748.9	8660.5	6429.8	4926.7	3953.8	3333.6	2940.3	2647.7
-25°	21073.5	16573.3	12253.2	9248.4	6907.7	5270.1	4286.6	3608.2	3129.8	2789.6	2537.2
-27.5°	15525.2	11748.9	9248.4	7068.6	5520.1	4537.9	3795.1	3268.3	2916.4	2654.2	2452.3
-30°	10802.7	8660.5	6907.7	5520.1	4622.4	3889.7	3374.0	3025.2	2743.8	2522.5	2361.4
-32.5°	7558.0	6429.8	5270.1	4537.9	3889.7	3420.1	3080.3	2798.3	2580.0	2419.1	2282.9
-35°	5649.2	4926.7	4286.6	3795.1	3374.0	3080.3	2816.6	2615.6	2454.2	2317.4	2205.8
-37.5°	4423.3	3953.8	3608.2	3268.3	3025.2	2798.3	2615.6	2465.9	2334.8	2231.3	2133.8
-40°	3628.5	3333.6	3129.8	2916.4	2743.8	2580.0	2454.2	2334.8	2239.8	2147.9	2062.9
-42.5°	3108.6	2940.3	2789.6	2654.2	2522.5	2419.1	2317.4	2231.3	2147.9	2069.8	1992.2
-45°	2753.8	2647.7	2537.2	2452.3	2361.4	2282.9	2205.8	2133.8	2062.9	1992.2	1919.9
-47.5°	2499.7	2433.6	2360.9	2296.1	2232.0	2166.5	2105.9	2042.5	1979.2	1913.5	1845.5
-50°	2317.8	2271.6	2220.7	2167.8	2117.9	2064.5	2010.0	1953.5	1894.4	1832.9	1764.4
-52.5°	2174.9	2139.1	2099.7	2056.7	2012.3	1965.3	1915.4	1862.9	1807.9	1742.0	1670.5
-55°	2053.1	2021.6	1987.1	1949.5	1908.9	1865.5	1819.5	1766.4	1705.2	1641.2	1569.3
-57.5°	1936.4	1907.8	1876.2	1841.8	1804.5	1759.0	1708.1	1654.3	1594.3	1530.2	1461.0
-60°	1819.5	1793.4	1759.0	1721.2	1680.4	1636.3	1585.9	1532.5	1476.3	1404.3	1328.8
-62.5°	1683.9	1655.6	1622.9	1585.9	1545.7	1502.6	1452.5	1392.7	1329.7	1263.9	1197.1
-65°	1534.3	1506.8	1476.3	1435.5	1391.0	1343.2	1292.2	1239.2	1183.9	1126.0	1065.0
-67.5°	1359.0	1328.8	1295.4	1259.1	1220.6	1179.2	1135.0	1088.1	1036.4	981.1	923.3
-70°	1172.7	1147.0	1118.4	1087.1	1051.7	1012.8	971.2	927.1	880.5	832.5	782.9
-72.5°	983.2	959.4	933.0	904.0	872.6	839.5	804.4	767.1	727.7	686.3	645.3
-75°	789.4	769.8	748.0	724.0	698.0	670.0	642.7	614.9	585.4	554.5	522.0
-77.5°	606.7	592.5	576.7	559.3	540.4	520.1	498.3	476.3	455.4	433.3	410.2
-80°	446.0	436.3	425.5	413.6	400.7	386.8	372.0	356.1	339.4	323.3	307.9
-82.5°	307.5	301.4	294.7	287.3	279.2	270.6	261.3	251.4	241.0	230.0	218.4
-85°	188.8	185.0	180.7	176.0	171.0	165.5	159.6	153.4	146.8	139.8	132.5
-87.5°	77.6	76.3	74.9	73.3	71.5	69.7	67.7	65.5	63.3	60.9	58.4
-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: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	55.8	53.1	50.3	47.4	44.4	41.3	38.1	34.9	31.6	28.2	24.8
85°	124.9	117.0	108.8	100.3	91.5	82.5	76.2	69.7	63.2	56.4	49.6
82.5°	206.4	194.4	182.0	169.3	156.1	142.6	128.8	114.6	100.1	85.4	74.3
80°	291.8	275.1	257.7	239.8	221.4	202.5	184.0	165.2	145.9	126.3	106.4
77.5°	386.0	360.9	335.0	311.8	288.8	265.1	240.8	216.0	191.4	166.9	142.1
75°	488.2	457.4	426.1	393.9	360.7	327.3	298.2	268.5	238.2	207.4	177.5
72.5°	605.8	564.7	522.2	479.0	440.3	400.6	360.0	320.5	285.2	249.4	213.0
70°	731.2	677.5	626.8	576.7	525.2	473.8	427.4	380.1	331.9	290.8	249.4
67.5°	863.2	802.8	740.2	675.8	616.0	556.6	495.9	440.9	386.8	331.9	285.2
65°	998.0	928.6	857.1	785.6	712.0	639.8	572.4	503.7	440.9	380.1	320.5
62.5°	1127.8	1054.8	975.8	894.6	812.9	730.2	647.7	572.4	495.9	427.4	360.0
60°	1251.2	1172.7	1091.8	1004.4	913.6	822.1	730.2	639.8	556.6	473.8	400.6
57.5°	1376.0	1288.1	1199.9	1109.9	1013.9	913.6	812.9	712.0	616.0	525.2	440.3
55°	1494.7	1404.5	1307.0	1209.0	1109.9	1004.4	894.6	785.6	675.8	576.7	479.0
52.5°	1592.9	1510.3	1414.0	1307.0	1199.9	1091.8	975.8	857.1	740.2	626.8	522.2
50°	1685.3	1600.8	1510.3	1404.5	1288.1	1172.7	1054.8	928.6	802.8	677.5	564.7
47.5°	1771.8	1685.3	1592.9	1494.7	1376.0	1251.2	1127.8	998.0	863.2	731.2	605.8
45°	1845.5	1764.4	1670.5	1569.3	1461.0	1328.8	1197.1	1065.0	923.3	782.9	645.3
42.5°	1913.5	1832.9	1742.0	1641.2	1530.2	1404.3	1263.9	1126.0	981.1	832.5	686.3
40°	1979.2	1894.4	1807.9	1705.2	1594.3	1476.3	1329.7	1183.9	1036.4	880.5	727.7
37.5°	2042.5	1953.5	1862.9	1766.4	1654.3	1532.5	1392.7	1239.2	1088.1	927.1	767.1
35°	2105.9	2010.0	1915.4	1819.5	1708.1	1585.9	1452.5	1292.2	1135.0	971.2	804.4
32.5°	2166.5	2064.5	1965.3	1865.5	1759.0	1636.3	1502.6	1343.2	1179.2	1012.8	839.5
30°	2232.0	2117.9	2012.3	1908.9	1804.5	1680.4	1545.7	1391.0	1220.6	1051.7	872.6
27.5°	2296.1	2167.8	2056.7	1949.5	1841.8	1721.2	1585.9	1435.5	1259.1	1087.1	904.0
25°	2360.9	2220.7	2099.7	1987.1	1876.2	1759.0	1622.9	1476.3	1295.4	1118.4	933.0
22.5°	2433.6	2271.6	2139.1	2021.6	1907.8	1793.4	1655.6	1506.8	1328.8	1147.0	959.4
20°	2499.7	2317.8	2174.9	2053.1	1936.4	1819.5	1683.9	1534.3	1359.0	1172.7	983.2
17.5°	2563.6	2365.5	2211.9	2082.5	1961.9	1842.6	1709.1	1558.8	1385.9	1195.6	1004.4
15°	2641.0	2413.4	2245.2	2108.1	1984.2	1862.9	1731.0	1580.2	1409.3	1215.6	1022.8
12.5°	2707.2	2454.4	2273.7	2130.1	2003.2	1880.2	1749.8	1598.4	1429.2	1232.6	1038.5
10°	2762.0	2488.3	2297.2	2148.1	2018.9	1894.4	1765.2	1613.4	1445.6	1246.5	1051.4
7.5°	2805.0	2514.9	2315.7	2162.3	2031.2	1905.5	1777.2	1625.1	1458.4	1257.4	1061.4
5°	2835.9	2534.0	2328.9	2172.4	2039.9	1913.5	1785.9	1633.5	1467.6	1265.2	1068.6
2.5°	2854.6	2545.5	2336.8	2178.6	2045.2	1918.3	1791.1	1638.5	1473.1	1269.9	1073.0
0°	2860.8	2549.3	2339.5	2180.6	2047.0	1919.9	1792.8	1640.2	1474.9	1271.5	1074.4
-2.5°	2854.6	2545.5	2336.8	2178.6	2045.2	1918.3	1791.1	1638.5	1473.1	1269.9	1073.0
-5°	2835.9	2534.0	2328.9	2172.4	2039.9	1913.5	1785.9	1633.5	1467.6	1265.2	1068.6
-7.5°	2805.0	2514.9	2315.7	2162.3	2031.2	1905.5	1777.2	1625.1	1458.4	1257.4	1061.4
-10°	2762.0	2488.3	2297.2	2148.1	2018.9	1894.4	1765.2	1613.4	1445.6	1246.5	1051.4
-12.5°	2707.2	2454.4	2273.7	2130.1	2003.2	1880.2	1749.8	1598.4	1429.2	1232.6	1038.5
-15°	2641.0	2413.4	2245.2	2108.1	1984.2	1862.9	1731.0	1580.2	1409.3	1215.6	1022.8
-17.5°	2563.6	2365.5	2211.9	2082.5	1961.9	1842.6	1709.1	1558.8	1385.9	1195.6	1004.4
-20°	2499.7	2317.8	2174.9	2053.1	1936.4	1819.5	1683.9	1534.3	1359.0	1172.7	983.2

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

Scaled Data Report



REPORT NUMBER: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2433.6	2271.6	2139.1	2021.6	1907.8	1793.4	1655.6	1506.8	1328.8	1147.0	959.4
-25°	2360.9	2220.7	2099.7	1987.1	1876.2	1759.0	1622.9	1476.3	1295.4	1118.4	933.0
-27.5°	2296.1	2167.8	2056.7	1949.5	1841.8	1721.2	1585.9	1435.5	1259.1	1087.1	904.0
-30°	2232.0	2117.9	2012.3	1908.9	1804.5	1680.4	1545.7	1391.0	1220.6	1051.7	872.6
-32.5°	2166.5	2064.5	1965.3	1865.5	1759.0	1636.3	1502.6	1343.2	1179.2	1012.8	839.5
-35°	2105.9	2010.0	1915.4	1819.5	1708.1	1585.9	1452.5	1292.2	1135.0	971.2	804.4
-37.5°	2042.5	1953.5	1862.9	1766.4	1654.3	1532.5	1392.7	1239.2	1088.1	927.1	767.1
-40°	1979.2	1894.4	1807.9	1705.2	1594.3	1476.3	1329.7	1183.9	1036.4	880.5	727.7
-42.5°	1913.5	1832.9	1742.0	1641.2	1530.2	1404.3	1263.9	1126.0	981.1	832.5	686.3
-45°	1845.5	1764.4	1670.5	1569.3	1461.0	1328.8	1197.1	1065.0	923.3	782.9	645.3
-47.5°	1771.8	1685.3	1592.9	1494.7	1376.0	1251.2	1127.8	998.0	863.2	731.2	605.8
-50°	1685.3	1600.8	1510.3	1404.5	1288.1	1172.7	1054.8	928.6	802.8	677.5	564.7
-52.5°	1592.9	1510.3	1414.0	1307.0	1199.9	1091.8	975.8	857.1	740.2	626.8	522.2
-55°	1494.7	1404.5	1307.0	1209.0	1109.9	1004.4	894.6	785.6	675.8	576.7	479.0
-57.5°	1376.0	1288.1	1199.9	1109.9	1013.9	913.6	812.9	712.0	616.0	525.2	440.3
-60°	1251.2	1172.7	1091.8	1004.4	913.6	822.1	730.2	639.8	556.6	473.8	400.6
-62.5°	1127.8	1054.8	975.8	894.6	812.9	730.2	647.7	572.4	495.9	427.4	360.0
-65°	998.0	928.6	857.1	785.6	712.0	639.8	572.4	503.7	440.9	380.1	320.5
-67.5°	863.2	802.8	740.2	675.8	616.0	556.6	495.9	440.9	386.8	331.9	285.2
-70°	731.2	677.5	626.8	576.7	525.2	473.8	427.4	380.1	331.9	290.8	249.4
-72.5°	605.8	564.7	522.2	479.0	440.3	400.6	360.0	320.5	285.2	249.4	213.0
-75°	488.2	457.4	426.1	393.9	360.7	327.3	298.2	268.5	238.2	207.4	177.5
-77.5°	386.0	360.9	335.0	311.8	288.8	265.1	240.8	216.0	191.4	166.9	142.1
-80°	291.8	275.1	257.7	239.8	221.4	202.5	184.0	165.2	145.9	126.3	106.4
-82.5°	206.4	194.4	182.0	169.3	156.1	142.6	128.8	114.6	100.1	85.4	74.3
-85°	124.9	117.0	108.8	100.3	91.5	82.5	76.2	69.7	63.2	56.4	49.6
-87.5°	55.8	53.1	50.3	47.4	44.4	41.3	38.1	34.9	31.6	28.2	24.8
-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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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.4	17.9	14.3	10.8	7.2	3.6	0.0
85°	42.7	35.7	28.7	21.5	14.4	7.2	0.0
82.5°	64.0	53.5	42.9	32.3	21.5	10.8	0.0
80°	86.3	71.2	57.1	42.9	28.7	14.3	0.0
77.5°	117.0	91.5	71.2	53.5	35.7	17.9	0.0
75°	147.4	117.0	86.3	64.0	42.7	21.4	0.0
72.5°	177.5	142.1	106.4	74.3	49.6	24.8	0.0
70°	207.4	166.9	126.3	85.4	56.4	28.2	0.0
67.5°	238.2	191.4	145.9	100.1	63.2	31.6	0.0
65°	268.5	216.0	165.2	114.6	69.7	34.9	0.0
62.5°	298.2	240.8	184.0	128.8	76.2	38.1	0.0
60°	327.3	265.1	202.5	142.6	82.5	41.3	0.0
57.5°	360.7	288.8	221.4	156.1	91.5	44.4	0.0
55°	393.9	311.8	239.8	169.3	100.3	47.4	0.0
52.5°	426.1	335.0	257.7	182.0	108.8	50.3	0.0
50°	457.4	360.9	275.1	194.4	117.0	53.1	0.0
47.5°	488.2	386.0	291.8	206.4	124.9	55.8	0.0
45°	522.0	410.2	307.9	218.4	132.5	58.4	0.0
42.5°	554.5	433.3	323.3	230.0	139.8	60.9	0.0
40°	585.4	455.4	339.4	241.0	146.8	63.3	0.0
37.5°	614.9	476.3	356.1	251.4	153.4	65.5	0.0
35°	642.7	498.3	372.0	261.3	159.6	67.7	0.0
32.5°	670.0	520.1	386.8	270.6	165.5	69.7	0.0
30°	698.0	540.4	400.7	279.2	171.0	71.5	0.0
27.5°	724.0	559.3	413.6	287.3	176.0	73.3	0.0
25°	748.0	576.7	425.5	294.7	180.7	74.9	0.0
22.5°	769.8	592.5	436.3	301.4	185.0	76.3	0.0
20°	789.4	606.7	446.0	307.5	188.8	77.6	0.0
17.5°	806.9	619.4	454.7	312.8	192.2	78.8	0.0
15°	822.1	630.4	462.2	317.5	195.1	79.8	0.0
12.5°	835.0	639.8	468.6	321.5	197.7	80.6	0.0
10°	845.6	647.5	473.8	324.8	199.7	81.3	0.0
7.5°	853.9	653.5	477.9	327.3	201.3	81.9	0.0
5°	859.8	657.8	480.9	329.1	202.5	82.3	0.0
2.5°	863.4	660.3	482.6	330.2	203.2	82.5	0.0
0°	864.6	661.2	483.2	330.6	203.4	82.6	0.0
-2.5°	863.4	660.3	482.6	330.2	203.2	82.5	0.0
-5°	859.8	657.8	480.9	329.1	202.5	82.3	0.0
-7.5°	853.9	653.5	477.9	327.3	201.3	81.9	0.0
-10°	845.6	647.5	473.8	324.8	199.7	81.3	0.0
-12.5°	835.0	639.8	468.6	321.5	197.7	80.6	0.0
-15°	822.1	630.4	462.2	317.5	195.1	79.8	0.0
-17.5°	806.9	619.4	454.7	312.8	192.2	78.8	0.0
-20°	789.4	606.7	446.0	307.5	188.8	77.6	0.0

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REPORT NUMBER: P624794 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	769.8	592.5	436.3	301.4	185.0	76.3	0.0
-25°	748.0	576.7	425.5	294.7	180.7	74.9	0.0
-27.5°	724.0	559.3	413.6	287.3	176.0	73.3	0.0
-30°	698.0	540.4	400.7	279.2	171.0	71.5	0.0
-32.5°	670.0	520.1	386.8	270.6	165.5	69.7	0.0
-35°	642.7	498.3	372.0	261.3	159.6	67.7	0.0
-37.5°	614.9	476.3	356.1	251.4	153.4	65.5	0.0
-40°	585.4	455.4	339.4	241.0	146.8	63.3	0.0
-42.5°	554.5	433.3	323.3	230.0	139.8	60.9	0.0
-45°	522.0	410.2	307.9	218.4	132.5	58.4	0.0
-47.5°	488.2	386.0	291.8	206.4	124.9	55.8	0.0
-50°	457.4	360.9	275.1	194.4	117.0	53.1	0.0
-52.5°	426.1	335.0	257.7	182.0	108.8	50.3	0.0
-55°	393.9	311.8	239.8	169.3	100.3	47.4	0.0
-57.5°	360.7	288.8	221.4	156.1	91.5	44.4	0.0
-60°	327.3	265.1	202.5	142.6	82.5	41.3	0.0
-62.5°	298.2	240.8	184.0	128.8	76.2	38.1	0.0
-65°	268.5	216.0	165.2	114.6	69.7	34.9	0.0
-67.5°	238.2	191.4	145.9	100.1	63.2	31.6	0.0
-70°	207.4	166.9	126.3	85.4	56.4	28.2	0.0
-72.5°	177.5	142.1	106.4	74.3	49.6	24.8	0.0
-75°	147.4	117.0	86.3	64.0	42.7	21.4	0.0
-77.5°	117.0	91.5	71.2	53.5	35.7	17.9	0.0
-80°	86.3	71.2	57.1	42.9	28.7	14.3	0.0
-82.5°	64.0	53.5	42.9	32.3	21.5	10.8	0.0
-85°	42.7	35.7	28.7	21.5	14.4	7.2	0.0
-87.5°	21.4	17.9	14.3	10.8	7.2	3.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)