

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: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-4000K-55**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-5)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-06-E-PRO-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: 45886 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: 30414.4 lumens
Beam Efficiency: 66.3%

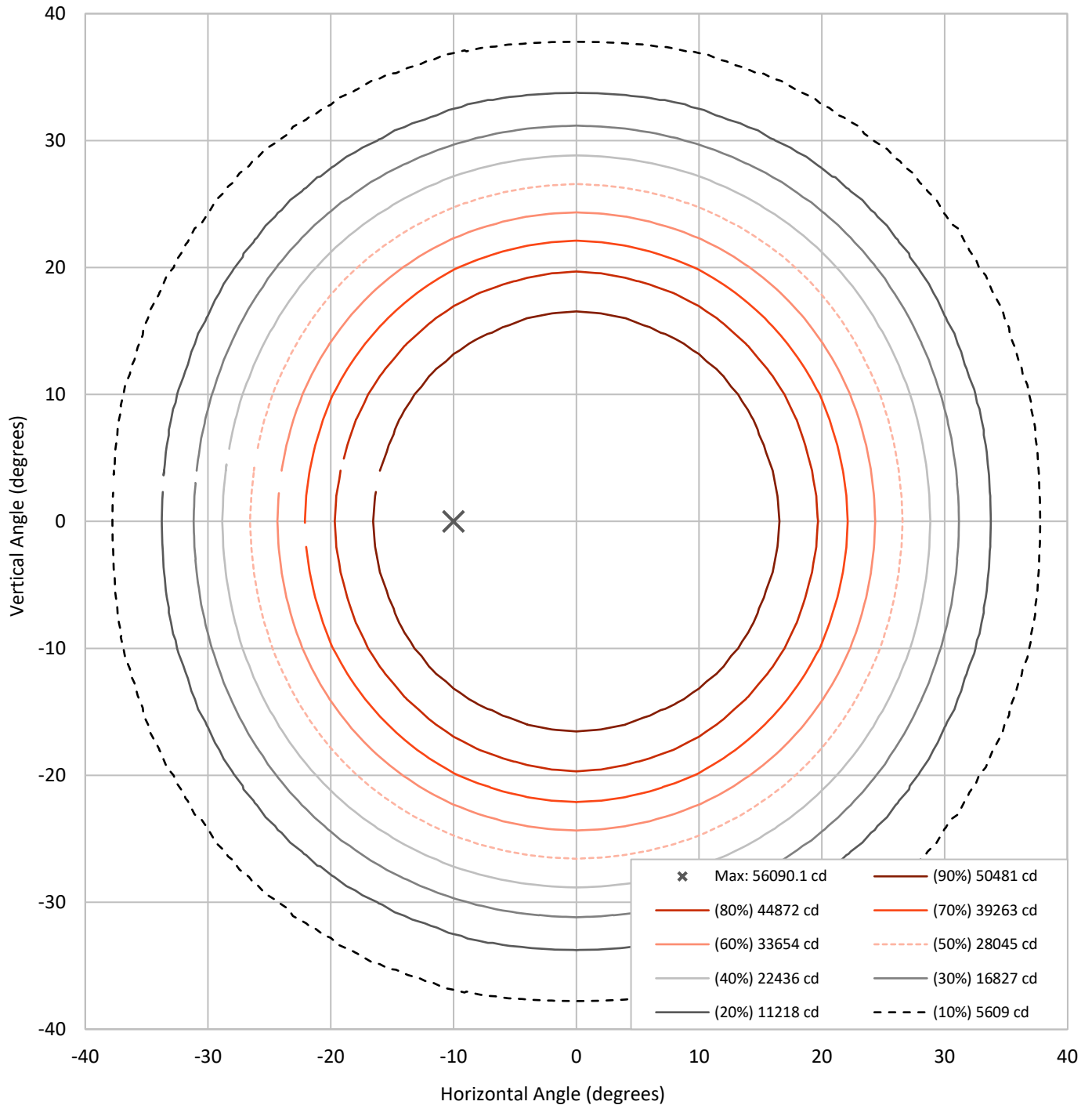
NEMA Type: 5H x 5V
Max Intensity: 56090.1 candela
Max Intensity Angle: -10°H x 0°V

Field Angle (10%): 75.3°H x 73.6°V
Field Lumens: 39548 lumens
Field Efficiency: 86.2%

Input Watts (W): 374.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-55

Iso-Candela Plot





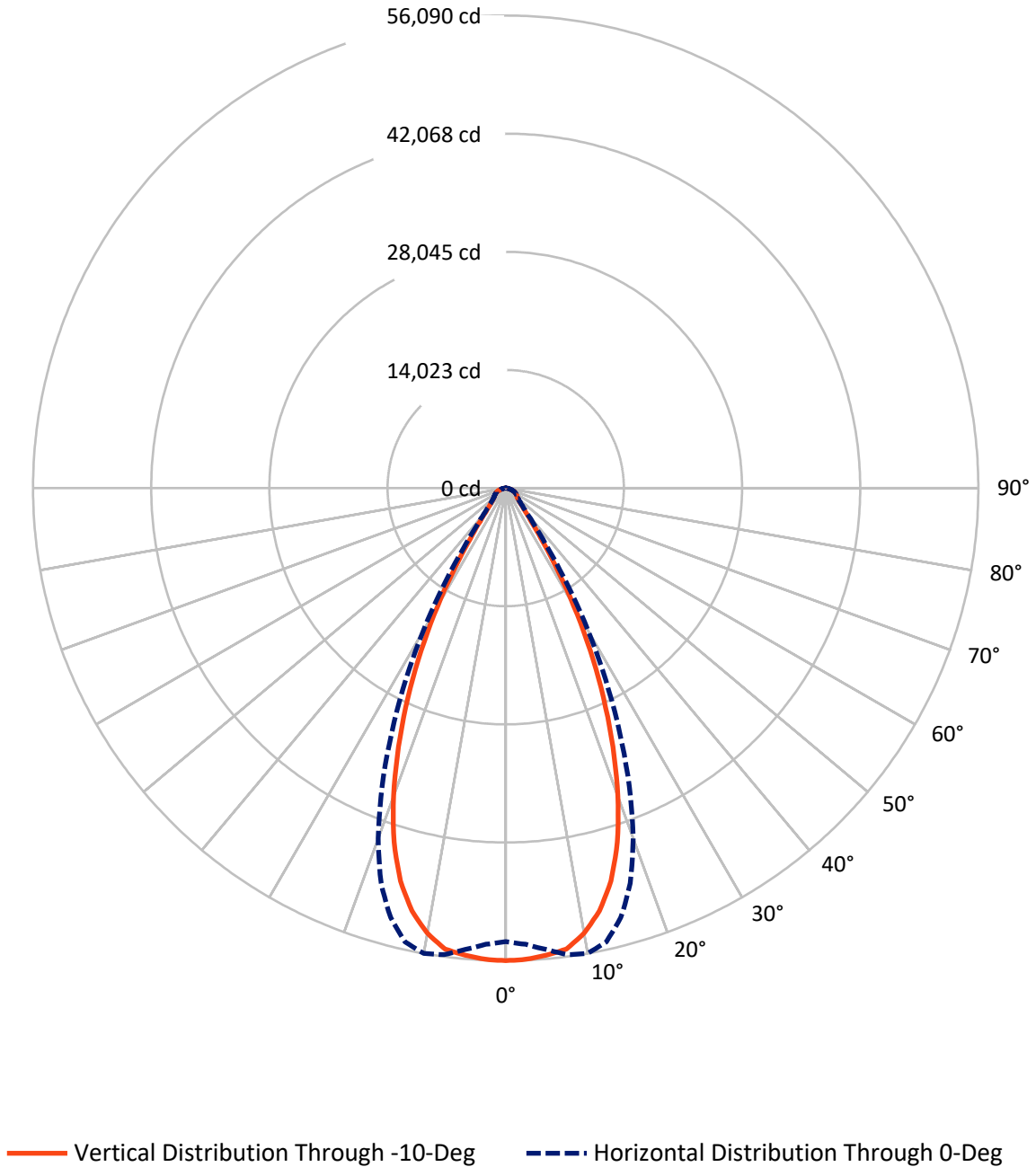
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Lumen Table

90																			
80	1.3	10.1		26.2		42.3		48.9		42.3		26.2		10.1		1.3			
70																			
60	4.6	5.0	10.4	17.1	24.1	30.1	34.4	36.7	36.7	34.4	30.1	24.1	17.1	10.4	5.0	4.6			
50		7.7	15.9	25.2	33.8	41.1	46.6	49.7	49.7	46.6	41.1	33.8	25.2	15.9	7.7				
40	8.1	10.4	20.5	31.0	41.5	53.8	68.1	79.0	79.0	68.1	53.8	41.5	31.0	20.5	10.4	8.1			
30		12.6	23.8	35.9	54.4	96.9	189.4	285.0	285.0	189.4	96.9	54.4	35.9	23.8	12.6				
20	10.9	14.2	26.1	42.1	88.0	280.4	649.8	922.1	922.1	649.8	280.4	88.0	42.1	26.1	14.2	10.9			
10		15.2	27.8	50.2	162.4	612.1	1197.2	1526.5	1526.5	1197.2	612.1	162.4	50.2	27.8	15.2				
0	11.8	15.8	28.8	56.6	237.7	843.0	1481.4	1680.1	1680.1	1481.4	843.0	237.7	56.6	28.8	15.8	11.8			
-10		15.8	28.8	56.6	237.7	843.0	1481.4	1680.1	1680.1	1481.4	843.0	237.7	56.6	28.8	15.8				
-20	10.9	15.2	27.8	50.2	162.4	612.1	1197.2	1526.5	1526.5	1197.2	612.1	162.4	50.2	27.8	15.2	10.9			
-30		14.2	26.1	42.1	88.0	280.4	649.8	922.1	922.1	649.8	280.4	88.0	42.1	26.1	14.2				
-40	8.1	12.6	23.8	35.9	54.4	96.9	189.4	285.0	285.0	189.4	96.9	54.4	35.9	23.8	12.6	8.1			
-50		10.4	20.5	31.0	41.5	53.8	68.1	79.0	79.0	68.1	53.8	41.5	31.0	20.5	10.4				
-60	4.6	7.7	15.9	25.2	33.8	41.1	46.6	49.7	49.7	46.6	41.1	33.8	25.2	15.9	7.7	4.6			
-70		5.0	10.4	17.1	24.1	30.1	34.4	36.7	36.7	34.4	30.1	24.1	17.1	10.4	5.0				
-80	1.3	10.1		26.2		42.3		48.9		42.3		26.2		10.1		1.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

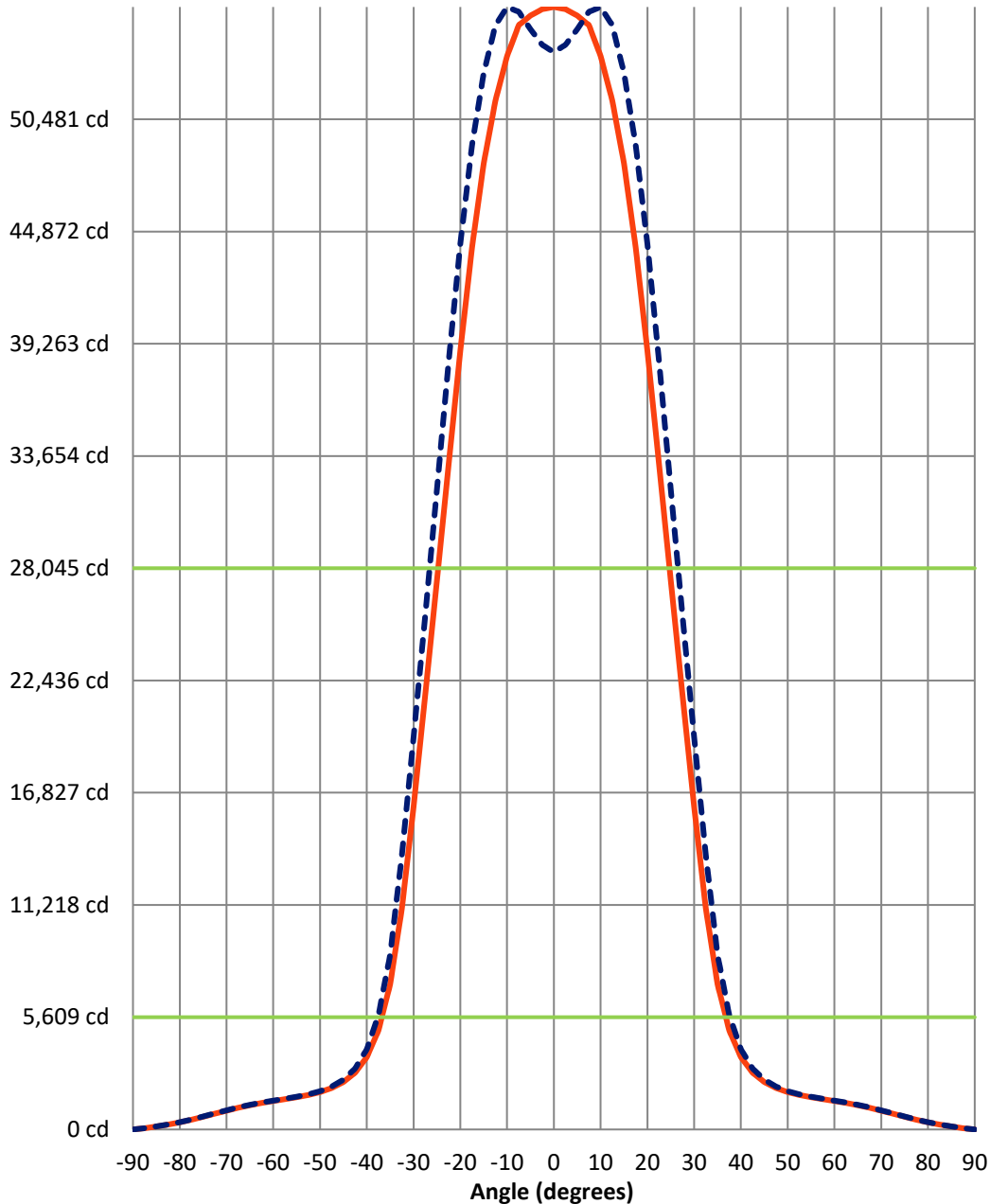
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.1°
 V Angle: 49.5°
 Lumens: 30414.4
 Efficiency: 66.3%

Field:
 H Angle: 75.3°
 V Angle: 73.6°
 Lumens: 39548
 Efficiency: 86.2%

Spill:
 Lumens: 6338
 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	2.7	5.4	8.1	10.8	13.4	16.0	18.6	21.2	23.7	26.2
85°	0.0	5.4	10.8	16.2	21.5	26.8	32.1	37.2	42.4	47.4	52.4
82.5°	0.0	8.1	16.2	24.2	32.2	40.1	48.0	55.8	64.1	75.2	86.0
80°	0.0	10.8	21.5	32.2	42.9	53.4	64.8	79.9	94.8	109.5	123.9
77.5°	0.0	13.4	26.8	40.1	53.4	68.7	87.8	106.6	125.2	143.6	162.1
75°	0.0	16.0	32.1	48.0	64.8	87.8	110.6	133.2	155.6	178.7	201.4
72.5°	0.0	18.6	37.2	55.8	79.9	106.6	133.2	159.8	187.0	213.9	240.3
70°	0.0	21.2	42.4	64.1	94.8	125.2	155.6	187.0	218.1	248.9	285.0
67.5°	0.0	23.7	47.4	75.2	109.5	143.6	178.7	213.9	248.9	290.1	330.7
65°	0.0	26.2	52.4	86.0	123.9	162.1	201.4	240.3	285.0	330.7	377.8
62.5°	0.0	28.6	57.2	96.6	138.1	180.6	223.6	269.9	320.6	371.9	429.3
60°	0.0	31.0	61.9	107.0	151.9	198.8	245.4	300.4	355.4	417.5	479.8
57.5°	0.0	33.3	68.7	117.1	166.1	216.6	270.5	330.2	393.9	462.0	534.0
55°	0.0	35.6	75.2	127.0	179.9	233.8	295.4	359.3	432.5	506.9	589.1
52.5°	0.0	37.7	81.6	136.6	193.3	251.2	319.6	391.7	470.1	555.2	642.8
50°	0.0	39.8	87.8	145.8	206.3	270.7	343.0	423.5	508.1	602.0	696.4
47.5°	0.0	41.9	93.7	154.9	218.8	289.5	366.2	454.3	548.3	647.4	748.5
45°	0.0	43.8	99.4	163.9	230.9	307.6	391.5	484.0	587.1	692.5	798.7
42.5°	0.0	45.7	104.9	172.5	242.4	324.9	415.8	514.8	624.3	735.8	844.5
40°	0.0	47.5	110.1	180.8	254.5	341.5	439.1	545.8	660.3	777.3	887.9
37.5°	0.0	49.2	115.1	188.6	267.1	357.2	461.1	575.3	695.3	816.1	929.4
35°	0.0	50.8	119.8	196.0	278.9	373.7	482.0	603.3	728.4	851.3	969.1
32.5°	0.0	52.3	124.2	202.9	290.1	390.1	502.5	629.6	759.6	884.4	1007.4
30°	0.0	53.7	128.3	209.4	300.5	405.3	523.5	654.4	788.8	915.4	1043.3
27.5°	0.0	55.0	132.1	215.4	310.2	419.5	543.0	678.0	815.3	944.3	1076.7
25°	0.0	56.2	135.6	221.0	319.1	432.5	560.9	699.7	838.8	971.5	1107.2
22.5°	0.0	57.3	138.8	226.0	327.2	444.4	577.3	719.5	860.2	996.6	1130.1
20°	0.0	58.3	141.6	230.6	334.5	455.1	592.0	737.4	879.5	1019.3	1150.8
17.5°	0.0	59.1	144.2	234.6	341.0	464.5	605.1	753.3	896.7	1039.4	1169.1
15°	0.0	59.9	146.4	238.1	346.6	472.8	616.5	767.1	911.7	1057.0	1185.1
12.5°	0.0	60.5	148.3	241.1	351.4	479.8	626.2	778.9	924.4	1071.9	1198.8
10°	0.0	61.1	149.8	243.5	355.4	485.6	634.2	788.5	934.9	1084.2	1210.0
7.5°	0.0	61.5	151.0	245.4	358.4	490.1	640.4	796.1	943.1	1093.8	1218.8
5°	0.0	61.8	151.9	246.8	360.6	493.3	644.8	801.5	948.9	1100.7	1225.1
2.5°	0.0	61.9	152.4	247.6	362.0	495.3	647.5	804.7	952.4	1104.8	1228.8
0°	0.0	62.0	152.6	247.9	362.4	495.9	648.4	805.8	953.6	1106.2	1230.1
-2.5°	0.0	61.9	152.4	247.6	362.0	495.3	647.5	804.7	952.4	1104.8	1228.8
-5°	0.0	61.8	151.9	246.8	360.6	493.3	644.8	801.5	948.9	1100.7	1225.1
-7.5°	0.0	61.5	151.0	245.4	358.4	490.1	640.4	796.1	943.1	1093.8	1218.8
-10°	0.0	61.1	149.8	243.5	355.4	485.6	634.2	788.5	934.9	1084.2	1210.0
-12.5°	0.0	60.5	148.3	241.1	351.4	479.8	626.2	778.9	924.4	1071.9	1198.8
-15°	0.0	59.9	146.4	238.1	346.6	472.8	616.5	767.1	911.7	1057.0	1185.1
-17.5°	0.0	59.1	144.2	234.6	341.0	464.5	605.1	753.3	896.7	1039.4	1169.1
-20°	0.0	58.3	141.6	230.6	334.5	455.1	592.0	737.4	879.5	1019.3	1150.8

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CATALOG NUMBER: EPH-VN-06-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	57.3	138.8	226.0	327.2	444.4	577.3	719.5	860.2	996.6	1130.1
-25°	0.0	56.2	135.6	221.0	319.1	432.5	560.9	699.7	838.8	971.5	1107.2
-27.5°	0.0	55.0	132.1	215.4	310.2	419.5	543.0	678.0	815.3	944.3	1076.7
-30°	0.0	53.7	128.3	209.4	300.5	405.3	523.5	654.4	788.8	915.4	1043.3
-32.5°	0.0	52.3	124.2	202.9	290.1	390.1	502.5	629.6	759.6	884.4	1007.4
-35°	0.0	50.8	119.8	196.0	278.9	373.7	482.0	603.3	728.4	851.3	969.1
-37.5°	0.0	49.2	115.1	188.6	267.1	357.2	461.1	575.3	695.3	816.1	929.4
-40°	0.0	47.5	110.1	180.8	254.5	341.5	439.1	545.8	660.3	777.3	887.9
-42.5°	0.0	45.7	104.9	172.5	242.4	324.9	415.8	514.8	624.3	735.8	844.5
-45°	0.0	43.8	99.4	163.9	230.9	307.6	391.5	484.0	587.1	692.5	798.7
-47.5°	0.0	41.9	93.7	154.9	218.8	289.5	366.2	454.3	548.3	647.4	748.5
-50°	0.0	39.8	87.8	145.8	206.3	270.7	343.0	423.5	508.1	602.0	696.4
-52.5°	0.0	37.7	81.6	136.6	193.3	251.2	319.6	391.7	470.1	555.2	642.8
-55°	0.0	35.6	75.2	127.0	179.9	233.8	295.4	359.3	432.5	506.9	589.1
-57.5°	0.0	33.3	68.7	117.1	166.1	216.6	270.5	330.2	393.9	462.0	534.0
-60°	0.0	31.0	61.9	107.0	151.9	198.8	245.4	300.4	355.4	417.5	479.8
-62.5°	0.0	28.6	57.2	96.6	138.1	180.6	223.6	269.9	320.6	371.9	429.3
-65°	0.0	26.2	52.4	86.0	123.9	162.1	201.4	240.3	285.0	330.7	377.8
-67.5°	0.0	23.7	47.4	75.2	109.5	143.6	178.7	213.9	248.9	290.1	330.7
-70°	0.0	21.2	42.4	64.1	94.8	125.2	155.6	187.0	218.1	248.9	285.0
-72.5°	0.0	18.6	37.2	55.8	79.9	106.6	133.2	159.8	187.0	213.9	240.3
-75°	0.0	16.0	32.1	48.0	64.8	87.8	110.6	133.2	155.6	178.7	201.4
-77.5°	0.0	13.4	26.8	40.1	53.4	68.7	87.8	106.6	125.2	143.6	162.1
-80°	0.0	10.8	21.5	32.2	42.9	53.4	64.8	79.9	94.8	109.5	123.9
-82.5°	0.0	8.1	16.2	24.2	32.2	40.1	48.0	55.8	64.1	75.2	86.0
-85°	0.0	5.4	10.8	16.2	21.5	26.8	32.1	37.2	42.4	47.4	52.4
-87.5°	0.0	2.7	5.4	8.1	10.8	13.4	16.0	18.6	21.2	23.7	26.2
-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°	28.6	31.0	33.3	35.6	37.7	39.8	41.9	43.8	45.7	47.5	49.2
85°	57.2	61.9	68.7	75.2	81.6	87.8	93.7	99.4	104.9	110.1	115.1
82.5°	96.6	107.0	117.1	127.0	136.6	145.8	154.9	163.9	172.5	180.8	188.6
80°	138.1	151.9	166.1	179.9	193.3	206.3	218.8	230.9	242.4	254.5	267.1
77.5°	180.6	198.8	216.6	233.8	251.2	270.7	289.5	307.6	324.9	341.5	357.2
75°	223.6	245.4	270.5	295.4	319.6	343.0	366.2	391.5	415.8	439.1	461.1
72.5°	269.9	300.4	330.2	359.3	391.7	423.5	454.3	484.0	514.8	545.8	575.3
70°	320.6	355.4	393.9	432.5	470.1	508.1	548.3	587.1	624.3	660.3	695.3
67.5°	371.9	417.5	462.0	506.9	555.2	602.0	647.4	692.5	735.8	777.3	816.1
65°	429.3	479.8	534.0	589.1	642.8	696.4	748.5	798.7	844.5	887.9	929.4
62.5°	485.8	547.7	609.7	670.9	731.9	791.1	845.8	897.8	947.9	997.2	1044.5
60°	547.7	616.5	685.2	753.3	818.9	879.5	938.4	996.6	1053.2	1107.2	1149.3
57.5°	609.7	685.2	760.4	832.4	899.9	966.1	1032.0	1095.8	1147.7	1195.7	1240.7
55°	670.9	753.3	832.4	906.7	980.3	1053.4	1121.0	1176.9	1230.9	1278.9	1324.8
52.5°	731.9	818.9	899.9	980.3	1060.5	1132.7	1194.7	1252.8	1306.5	1355.9	1397.2
50°	791.1	879.5	966.1	1053.4	1132.7	1200.6	1263.9	1323.3	1374.7	1420.8	1465.1
47.5°	845.8	938.4	1032.0	1121.0	1194.7	1263.9	1328.9	1384.1	1435.1	1484.4	1531.9
45°	897.8	996.6	1095.8	1176.9	1252.8	1323.3	1384.1	1439.9	1494.2	1547.2	1600.3
42.5°	947.9	1053.2	1147.7	1230.9	1306.5	1374.7	1435.1	1494.2	1552.4	1610.9	1673.4
40°	997.2	1107.2	1195.7	1278.9	1355.9	1420.8	1484.4	1547.2	1610.9	1679.8	1751.1
37.5°	1044.5	1149.3	1240.7	1324.8	1397.2	1465.1	1531.9	1600.3	1673.4	1751.1	1849.4
35°	1089.4	1189.4	1281.0	1364.6	1436.5	1507.5	1579.4	1654.3	1738.0	1840.6	1961.7
32.5°	1127.0	1227.2	1319.2	1399.1	1473.9	1548.4	1624.8	1712.2	1814.3	1934.9	2098.7
30°	1159.3	1260.3	1353.4	1431.7	1509.2	1588.4	1674.0	1771.0	1891.8	2057.8	2268.9
27.5°	1189.4	1290.9	1381.3	1462.1	1542.6	1625.8	1722.0	1839.2	1990.6	2187.3	2451.2
25°	1217.2	1319.2	1407.2	1490.3	1574.8	1665.5	1770.7	1902.8	2092.2	2347.4	2706.2
22.5°	1241.6	1345.1	1430.8	1516.2	1604.3	1703.6	1825.1	1985.7	2205.2	2500.2	2965.3
20°	1262.9	1364.6	1452.3	1539.9	1631.1	1738.3	1874.7	2065.3	2331.4	2721.3	3317.4
17.5°	1281.8	1382.0	1471.4	1561.9	1658.8	1774.1	1922.6	2136.8	2445.0	2920.8	3689.4
15°	1298.3	1397.2	1488.2	1581.1	1683.9	1810.0	1980.7	2225.2	2580.5	3134.0	4026.7
12.5°	1312.3	1410.1	1502.4	1597.5	1705.3	1840.8	2030.4	2304.5	2720.5	3396.3	4532.9
10°	1323.9	1420.8	1514.2	1611.1	1722.9	1866.2	2071.5	2370.3	2836.6	3614.4	4954.5
7.5°	1332.9	1429.1	1523.4	1621.7	1736.7	1886.1	2103.8	2421.9	2927.9	3786.1	5287.2
5°	1339.4	1435.1	1530.0	1629.3	1746.6	1900.4	2127.0	2459.0	2993.7	3910.0	5527.6
2.5°	1343.3	1438.7	1534.0	1633.9	1752.6	1909.0	2140.9	2481.4	3033.4	3984.8	5672.9
0°	1344.6	1439.9	1535.3	1635.4	1754.6	1911.9	2145.6	2488.9	3046.7	4009.8	5721.5
-2.5°	1343.3	1438.7	1534.0	1633.9	1752.6	1909.0	2140.9	2481.4	3033.4	3984.8	5672.9
-5°	1339.4	1435.1	1530.0	1629.3	1746.6	1900.4	2127.0	2459.0	2993.7	3910.0	5527.6
-7.5°	1332.9	1429.1	1523.4	1621.7	1736.7	1886.1	2103.8	2421.9	2927.9	3786.1	5287.2
-10°	1323.9	1420.8	1514.2	1611.1	1722.9	1866.2	2071.5	2370.3	2836.6	3614.4	4954.5
-12.5°	1312.3	1410.1	1502.4	1597.5	1705.3	1840.8	2030.4	2304.5	2720.5	3396.3	4532.9
-15°	1298.3	1397.2	1488.2	1581.1	1683.9	1810.0	1980.7	2225.2	2580.5	3134.0	4026.7
-17.5°	1281.8	1382.0	1471.4	1561.9	1658.8	1774.1	1922.6	2136.8	2445.0	2920.8	3689.4
-20°	1262.9	1364.6	1452.3	1539.9	1631.1	1738.3	1874.7	2065.3	2331.4	2721.3	3317.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	1241.6	1345.1	1430.8	1516.2	1604.3	1703.6	1825.1	1985.7	2205.2	2500.2	2965.3
-25°	1217.2	1319.2	1407.2	1490.3	1574.8	1665.5	1770.7	1902.8	2092.2	2347.4	2706.2
-27.5°	1189.4	1290.9	1381.3	1462.1	1542.6	1625.8	1722.0	1839.2	1990.6	2187.3	2451.2
-30°	1159.3	1260.3	1353.4	1431.7	1509.2	1588.4	1674.0	1771.0	1891.8	2057.8	2268.9
-32.5°	1127.0	1227.2	1319.2	1399.1	1473.9	1548.4	1624.8	1712.2	1814.3	1934.9	2098.7
-35°	1089.4	1189.4	1281.0	1364.6	1436.5	1507.5	1579.4	1654.3	1738.0	1840.6	1961.7
-37.5°	1044.5	1149.3	1240.7	1324.8	1397.2	1465.1	1531.9	1600.3	1673.4	1751.1	1849.4
-40°	997.2	1107.2	1195.7	1278.9	1355.9	1420.8	1484.4	1547.2	1610.9	1679.8	1751.1
-42.5°	947.9	1053.2	1147.7	1230.9	1306.5	1374.7	1435.1	1494.2	1552.4	1610.9	1673.4
-45°	897.8	996.6	1095.8	1176.9	1252.8	1323.3	1384.1	1439.9	1494.2	1547.2	1600.3
-47.5°	845.8	938.4	1032.0	1121.0	1194.7	1263.9	1328.9	1384.1	1435.1	1484.4	1531.9
-50°	791.1	879.5	966.1	1053.4	1132.7	1200.6	1263.9	1323.3	1374.7	1420.8	1465.1
-52.5°	731.9	818.9	899.9	980.3	1060.5	1132.7	1194.7	1252.8	1306.5	1355.9	1397.2
-55°	670.9	753.3	832.4	906.7	980.3	1053.4	1121.0	1176.9	1230.9	1278.9	1324.8
-57.5°	609.7	685.2	760.4	832.4	899.9	966.1	1032.0	1095.8	1147.7	1195.7	1240.7
-60°	547.7	616.5	685.2	753.3	818.9	879.5	938.4	996.6	1053.2	1107.2	1149.3
-62.5°	485.8	547.7	609.7	670.9	731.9	791.1	845.8	897.8	947.9	997.2	1044.5
-65°	429.3	479.8	534.0	589.1	642.8	696.4	748.5	798.7	844.5	887.9	929.4
-67.5°	371.9	417.5	462.0	506.9	555.2	602.0	647.4	692.5	735.8	777.3	816.1
-70°	320.6	355.4	393.9	432.5	470.1	508.1	548.3	587.1	624.3	660.3	695.3
-72.5°	269.9	300.4	330.2	359.3	391.7	423.5	454.3	484.0	514.8	545.8	575.3
-75°	223.6	245.4	270.5	295.4	319.6	343.0	366.2	391.5	415.8	439.1	461.1
-77.5°	180.6	198.8	216.6	233.8	251.2	270.7	289.5	307.6	324.9	341.5	357.2
-80°	138.1	151.9	166.1	179.9	193.3	206.3	218.8	230.9	242.4	254.5	267.1
-82.5°	96.6	107.0	117.1	127.0	136.6	145.8	154.9	163.9	172.5	180.8	188.6
-85°	57.2	61.9	68.7	75.2	81.6	87.8	93.7	99.4	104.9	110.1	115.1
-87.5°	28.6	31.0	33.3	35.6	37.7	39.8	41.9	43.8	45.7	47.5	49.2
-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: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-06-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°	50.8	52.3	53.7	55.0	56.2	57.3	58.3	59.1	59.9	60.5	61.1
85°	119.8	124.2	128.3	132.1	135.6	138.8	141.6	144.2	146.4	148.3	149.8
82.5°	196.0	202.9	209.4	215.4	221.0	226.0	230.6	234.6	238.1	241.1	243.5
80°	278.9	290.1	300.5	310.2	319.1	327.2	334.5	341.0	346.6	351.4	355.4
77.5°	373.7	390.1	405.3	419.5	432.5	444.4	455.1	464.5	472.8	479.8	485.6
75°	482.0	502.5	523.5	543.0	560.9	577.3	592.0	605.1	616.5	626.2	634.2
72.5°	603.3	629.6	654.4	678.0	699.7	719.5	737.4	753.3	767.1	778.9	788.5
70°	728.4	759.6	788.8	815.3	838.8	860.2	879.5	896.7	911.7	924.4	934.9
67.5°	851.3	884.4	915.4	944.3	971.5	996.6	1019.3	1039.4	1057.0	1071.9	1084.2
65°	969.1	1007.4	1043.3	1076.7	1107.2	1130.1	1150.8	1169.1	1185.1	1198.8	1210.0
62.5°	1089.4	1127.0	1159.3	1189.4	1217.2	1241.6	1262.9	1281.8	1298.3	1312.3	1323.9
60°	1189.4	1227.2	1260.3	1290.9	1319.2	1345.1	1364.6	1382.0	1397.2	1410.1	1420.8
57.5°	1281.0	1319.2	1353.4	1381.3	1407.2	1430.8	1452.3	1471.4	1488.2	1502.4	1514.2
55°	1364.6	1399.1	1431.7	1462.1	1490.3	1516.2	1539.9	1561.9	1581.1	1597.5	1611.1
52.5°	1436.5	1473.9	1509.2	1542.6	1574.8	1604.3	1631.1	1658.8	1683.9	1705.3	1722.9
50°	1507.5	1548.4	1588.4	1625.8	1665.5	1703.6	1738.3	1774.1	1810.0	1840.8	1866.2
47.5°	1579.4	1624.8	1674.0	1722.0	1770.7	1825.1	1874.7	1922.6	1980.7	2030.4	2071.5
45°	1654.3	1712.2	1771.0	1839.2	1902.8	1985.7	2065.3	2136.8	2225.2	2304.5	2370.3
42.5°	1738.0	1814.3	1891.8	1990.6	2092.2	2205.2	2331.4	2445.0	2580.5	2720.5	2836.6
40°	1840.6	1934.9	2057.8	2187.3	2347.4	2500.2	2721.3	2920.8	3134.0	3396.3	3614.4
37.5°	1961.7	2098.7	2268.9	2451.2	2706.2	2965.3	3317.4	3689.4	4026.7	4532.9	4954.5
35°	2112.4	2310.2	2530.5	2846.3	3214.9	3694.9	4236.8	4950.7	5585.6	6452.8	7263.7
32.5°	2310.2	2565.1	2917.2	3403.4	3952.5	4822.3	5668.4	6988.9	8204.1	9590.5	11041.7
30°	2530.5	2917.2	3466.8	4140.0	5180.7	6495.3	8101.9	10101.5	12263.2	14234.1	16119.4
27.5°	2846.3	3403.4	4140.0	5301.4	6936.2	8811.6	11643.8	14350.5	17139.3	19585.4	21721.9
25°	3214.9	3952.5	5180.7	6936.2	9189.8	12429.9	15805.0	19148.0	22266.3	25031.5	27439.6
22.5°	3694.9	4822.3	6495.3	8811.6	12429.9	16296.8	20195.5	23929.2	27394.8	30529.4	33225.5
20°	4236.8	5668.4	8101.9	11643.8	15805.0	20195.5	24493.2	28622.2	32466.3	35946.1	38907.6
17.5°	4950.7	6988.9	10101.5	14350.5	19148.0	23929.2	28622.2	33131.4	37356.6	40973.9	44068.3
15°	5585.6	8204.1	12263.2	17139.3	22266.3	27394.8	32466.3	37356.6	41682.6	45368.9	48266.6
12.5°	6452.8	9590.5	14234.1	19585.4	25031.5	30529.4	35946.1	40973.9	45368.9	48970.5	51401.9
10°	7263.7	11041.7	16119.4	21721.9	27439.6	33225.5	38907.6	44068.3	48266.6	51401.9	53635.4
7.5°	7905.2	12192.7	17619.9	23429.7	29392.6	35419.1	41175.3	46236.9	50287.4	53214.4	55178.3
5°	8369.3	13027.4	18711.1	24675.9	30824.2	37036.3	42860.1	47842.9	51639.0	54264.0	55659.8
2.5°	8650.3	13533.5	19374.0	25434.8	31698.7	38028.4	43899.7	48841.9	52490.1	54937.1	55978.0
0°	8744.4	13703.1	19596.3	25689.7	31992.9	38362.9	44251.3	49181.4	52781.2	55169.9	56090.1
-2.5°	8650.3	13533.5	19374.0	25434.8	31698.7	38028.4	43899.7	48841.9	52490.1	54937.1	55978.0
-5°	8369.3	13027.4	18711.1	24675.9	30824.2	37036.3	42860.1	47842.9	51639.0	54264.0	55659.8
-7.5°	7905.2	12192.7	17619.9	23429.7	29392.6	35419.1	41175.3	46236.9	50287.4	53214.4	55178.3
-10°	7263.7	11041.7	16119.4	21721.9	27439.6	33225.5	38907.6	44068.3	48266.6	51401.9	53635.4
-12.5°	6452.8	9590.5	14234.1	19585.4	25031.5	30529.4	35946.1	40973.9	45368.9	48970.5	51401.9
-15°	5585.6	8204.1	12263.2	17139.3	22266.3	27394.8	32466.3	37356.6	41682.6	45368.9	48266.6
-17.5°	4950.7	6988.9	10101.5	14350.5	19148.0	23929.2	28622.2	33131.4	37356.6	40973.9	44068.3
-20°	4236.8	5668.4	8101.9	11643.8	15805.0	20195.5	24493.2	28622.2	32466.3	35946.1	38907.6



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	3694.9	4822.3	6495.3	8811.6	12429.9	16296.8	20195.5	23929.2	27394.8	30529.4	33225.5
-25°	3214.9	3952.5	5180.7	6936.2	9189.8	12429.9	15805.0	19148.0	22266.3	25031.5	27439.6
-27.5°	2846.3	3403.4	4140.0	5301.4	6936.2	8811.6	11643.8	14350.5	17139.3	19585.4	21721.9
-30°	2530.5	2917.2	3466.8	4140.0	5180.7	6495.3	8101.9	10101.5	12263.2	14234.1	16119.4
-32.5°	2310.2	2565.1	2917.2	3403.4	3952.5	4822.3	5668.4	6988.9	8204.1	9590.5	11041.7
-35°	2112.4	2310.2	2530.5	2846.3	3214.9	3694.9	4236.8	4950.7	5585.6	6452.8	7263.7
-37.5°	1961.7	2098.7	2268.9	2451.2	2706.2	2965.3	3317.4	3689.4	4026.7	4532.9	4954.5
-40°	1840.6	1934.9	2057.8	2187.3	2347.4	2500.2	2721.3	2920.8	3134.0	3396.3	3614.4
-42.5°	1738.0	1814.3	1891.8	1990.6	2092.2	2205.2	2331.4	2445.0	2580.5	2720.5	2836.6
-45°	1654.3	1712.2	1771.0	1839.2	1902.8	1985.7	2065.3	2136.8	2225.2	2304.5	2370.3
-47.5°	1579.4	1624.8	1674.0	1722.0	1770.7	1825.1	1874.7	1922.6	1980.7	2030.4	2071.5
-50°	1507.5	1548.4	1588.4	1625.8	1665.5	1703.6	1738.3	1774.1	1810.0	1840.8	1866.2
-52.5°	1436.5	1473.9	1509.2	1542.6	1574.8	1604.3	1631.1	1658.8	1683.9	1705.3	1722.9
-55°	1364.6	1399.1	1431.7	1462.1	1490.3	1516.2	1539.9	1561.9	1581.1	1597.5	1611.1
-57.5°	1281.0	1319.2	1353.4	1381.3	1407.2	1430.8	1452.3	1471.4	1488.2	1502.4	1514.2
-60°	1189.4	1227.2	1260.3	1290.9	1319.2	1345.1	1364.6	1382.0	1397.2	1410.1	1420.8
-62.5°	1089.4	1127.0	1159.3	1189.4	1217.2	1241.6	1262.9	1281.8	1298.3	1312.3	1323.9
-65°	969.1	1007.4	1043.3	1076.7	1107.2	1130.1	1150.8	1169.1	1185.1	1198.8	1210.0
-67.5°	851.3	884.4	915.4	944.3	971.5	996.6	1019.3	1039.4	1057.0	1071.9	1084.2
-70°	728.4	759.6	788.8	815.3	838.8	860.2	879.5	896.7	911.7	924.4	934.9
-72.5°	603.3	629.6	654.4	678.0	699.7	719.5	737.4	753.3	767.1	778.9	788.5
-75°	482.0	502.5	523.5	543.0	560.9	577.3	592.0	605.1	616.5	626.2	634.2
-77.5°	373.7	390.1	405.3	419.5	432.5	444.4	455.1	464.5	472.8	479.8	485.6
-80°	278.9	290.1	300.5	310.2	319.1	327.2	334.5	341.0	346.6	351.4	355.4
-82.5°	196.0	202.9	209.4	215.4	221.0	226.0	230.6	234.6	238.1	241.1	243.5
-85°	119.8	124.2	128.3	132.1	135.6	138.8	141.6	144.2	146.4	148.3	149.8
-87.5°	50.8	52.3	53.7	55.0	56.2	57.3	58.3	59.1	59.9	60.5	61.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	61.5	61.8	61.9	62.0	61.9	61.8	61.5	61.1	60.5	59.9	59.1
85°	151.0	151.9	152.4	152.6	152.4	151.9	151.0	149.8	148.3	146.4	144.2
82.5°	245.4	246.8	247.6	247.9	247.6	246.8	245.4	243.5	241.1	238.1	234.6
80°	358.4	360.6	362.0	362.4	362.0	360.6	358.4	355.4	351.4	346.6	341.0
77.5°	490.1	493.3	495.3	495.9	495.3	493.3	490.1	485.6	479.8	472.8	464.5
75°	640.4	644.8	647.5	648.4	647.5	644.8	640.4	634.2	626.2	616.5	605.1
72.5°	796.1	801.5	804.7	805.8	804.7	801.5	796.1	788.5	778.9	767.1	753.3
70°	943.1	948.9	952.4	953.6	952.4	948.9	943.1	934.9	924.4	911.7	896.7
67.5°	1093.8	1100.7	1104.8	1106.2	1104.8	1100.7	1093.8	1084.2	1071.9	1057.0	1039.4
65°	1218.8	1225.1	1228.8	1230.1	1228.8	1225.1	1218.8	1210.0	1198.8	1185.1	1169.1
62.5°	1332.9	1339.4	1343.3	1344.6	1343.3	1339.4	1332.9	1323.9	1312.3	1298.3	1281.8
60°	1429.1	1435.1	1438.7	1439.9	1438.7	1435.1	1429.1	1420.8	1410.1	1397.2	1382.0
57.5°	1523.4	1530.0	1534.0	1535.3	1534.0	1530.0	1523.4	1514.2	1502.4	1488.2	1471.4
55°	1621.7	1629.3	1633.9	1635.4	1633.9	1629.3	1621.7	1611.1	1597.5	1581.1	1561.9
52.5°	1736.7	1746.6	1752.6	1754.6	1752.6	1746.6	1736.7	1722.9	1705.3	1683.9	1658.8
50°	1886.1	1900.4	1909.0	1911.9	1909.0	1900.4	1886.1	1866.2	1840.8	1810.0	1774.1
47.5°	2103.8	2127.0	2140.9	2145.6	2140.9	2127.0	2103.8	2071.5	2030.4	1980.7	1922.6
45°	2421.9	2459.0	2481.4	2488.9	2481.4	2459.0	2421.9	2370.3	2304.5	2225.2	2136.8
42.5°	2927.9	2993.7	3033.4	3046.7	3033.4	2993.7	2927.9	2836.6	2720.5	2580.5	2445.0
40°	3786.1	3910.0	3984.8	4009.8	3984.8	3910.0	3786.1	3614.4	3396.3	3134.0	2920.8
37.5°	5287.2	5527.6	5672.9	5721.5	5672.9	5527.6	5287.2	4954.5	4532.9	4026.7	3689.4
35°	7905.2	8369.3	8650.3	8744.4	8650.3	8369.3	7905.2	7263.7	6452.8	5585.6	4950.7
32.5°	12192.7	13027.4	13533.5	13703.1	13533.5	13027.4	12192.7	11041.7	9590.5	8204.1	6988.9
30°	17619.9	18711.1	19374.0	19596.3	19374.0	18711.1	17619.9	16119.4	14234.1	12263.2	10101.5
27.5°	23429.7	24675.9	25434.8	25689.7	25434.8	24675.9	23429.7	21721.9	19585.4	17139.3	14350.5
25°	29392.6	30824.2	31698.7	31992.9	31698.7	30824.2	29392.6	27439.6	25031.5	22266.3	19148.0
22.5°	35419.1	37036.3	38028.4	38362.9	38028.4	37036.3	35419.1	33225.5	30529.4	27394.8	23929.2
20°	41175.3	42860.1	43899.7	44251.3	43899.7	42860.1	41175.3	38907.6	35946.1	32466.3	28622.2
17.5°	46236.9	47842.9	48841.9	49181.4	48841.9	47842.9	46236.9	44068.3	40973.9	37356.6	33131.4
15°	50287.4	51639.0	52490.1	52781.2	52490.1	51639.0	50287.4	48266.6	45368.9	41682.6	37356.6
12.5°	53214.4	54264.0	54937.1	55169.9	54937.1	54264.0	53214.4	51401.9	48970.5	45368.9	40973.9
10°	55178.3	55659.8	55978.0	56090.1	55978.0	55659.8	55178.3	53635.4	51401.9	48266.6	44068.3
7.5°	55872.4	55993.4	55886.2	55847.0	55886.2	55993.4	55872.4	55178.3	53214.4	50287.4	46236.9
5°	55993.4	55696.5	55183.6	54979.2	55183.6	55696.5	55993.4	55659.8	54264.0	51639.0	47842.9
2.5°	55886.2	55183.6	54526.6	54206.8	54526.6	55183.6	55886.2	55978.0	54937.1	52490.1	48841.9
0°	55847.0	54979.2	54206.8	53825.4	54206.8	54979.2	55847.0	56090.1	55169.9	52781.2	49181.4
-2.5°	55886.2	55183.6	54526.6	54206.8	54526.6	55183.6	55886.2	55978.0	54937.1	52490.1	48841.9
-5°	55993.4	55696.5	55183.6	54979.2	55183.6	55696.5	55993.4	55659.8	54264.0	51639.0	47842.9
-7.5°	55872.4	55993.4	55886.2	55847.0	55886.2	55993.4	55872.4	55178.3	53214.4	50287.4	46236.9
-10°	55178.3	55659.8	55978.0	56090.1	55978.0	55659.8	55178.3	53635.4	51401.9	48266.6	44068.3
-12.5°	53214.4	54264.0	54937.1	55169.9	54937.1	54264.0	53214.4	51401.9	48970.5	45368.9	40973.9
-15°	50287.4	51639.0	52490.1	52781.2	52490.1	51639.0	50287.4	48266.6	45368.9	41682.6	37356.6
-17.5°	46236.9	47842.9	48841.9	49181.4	48841.9	47842.9	46236.9	44068.3	40973.9	37356.6	33131.4
-20°	41175.3	42860.1	43899.7	44251.3	43899.7	42860.1	41175.3	38907.6	35946.1	32466.3	28622.2



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	35419.1	37036.3	38028.4	38362.9	38028.4	37036.3	35419.1	33225.5	30529.4	27394.8	23929.2
-25°	29392.6	30824.2	31698.7	31992.9	31698.7	30824.2	29392.6	27439.6	25031.5	22266.3	19148.0
-27.5°	23429.7	24675.9	25434.8	25689.7	25434.8	24675.9	23429.7	21721.9	19585.4	17139.3	14350.5
-30°	17619.9	18711.1	19374.0	19596.3	19374.0	18711.1	17619.9	16119.4	14234.1	12263.2	10101.5
-32.5°	12192.7	13027.4	13533.5	13703.1	13533.5	13027.4	12192.7	11041.7	9590.5	8204.1	6988.9
-35°	7905.2	8369.3	8650.3	8744.4	8650.3	8369.3	7905.2	7263.7	6452.8	5585.6	4950.7
-37.5°	5287.2	5527.6	5672.9	5721.5	5672.9	5527.6	5287.2	4954.5	4532.9	4026.7	3689.4
-40°	3786.1	3910.0	3984.8	4009.8	3984.8	3910.0	3786.1	3614.4	3396.3	3134.0	2920.8
-42.5°	2927.9	2993.7	3033.4	3046.7	3033.4	2993.7	2927.9	2836.6	2720.5	2580.5	2445.0
-45°	2421.9	2459.0	2481.4	2488.9	2481.4	2459.0	2421.9	2370.3	2304.5	2225.2	2136.8
-47.5°	2103.8	2127.0	2140.9	2145.6	2140.9	2127.0	2103.8	2071.5	2030.4	1980.7	1922.6
-50°	1886.1	1900.4	1909.0	1911.9	1909.0	1900.4	1886.1	1866.2	1840.8	1810.0	1774.1
-52.5°	1736.7	1746.6	1752.6	1754.6	1752.6	1746.6	1736.7	1722.9	1705.3	1683.9	1658.8
-55°	1621.7	1629.3	1633.9	1635.4	1633.9	1629.3	1621.7	1611.1	1597.5	1581.1	1561.9
-57.5°	1523.4	1530.0	1534.0	1535.3	1534.0	1530.0	1523.4	1514.2	1502.4	1488.2	1471.4
-60°	1429.1	1435.1	1438.7	1439.9	1438.7	1435.1	1429.1	1420.8	1410.1	1397.2	1382.0
-62.5°	1332.9	1339.4	1343.3	1344.6	1343.3	1339.4	1332.9	1323.9	1312.3	1298.3	1281.8
-65°	1218.8	1225.1	1228.8	1230.1	1228.8	1225.1	1218.8	1210.0	1198.8	1185.1	1169.1
-67.5°	1093.8	1100.7	1104.8	1106.2	1104.8	1100.7	1093.8	1084.2	1071.9	1057.0	1039.4
-70°	943.1	948.9	952.4	953.6	952.4	948.9	943.1	934.9	924.4	911.7	896.7
-72.5°	796.1	801.5	804.7	805.8	804.7	801.5	796.1	788.5	778.9	767.1	753.3
-75°	640.4	644.8	647.5	648.4	647.5	644.8	640.4	634.2	626.2	616.5	605.1
-77.5°	490.1	493.3	495.3	495.9	495.3	493.3	490.1	485.6	479.8	472.8	464.5
-80°	358.4	360.6	362.0	362.4	362.0	360.6	358.4	355.4	351.4	346.6	341.0
-82.5°	245.4	246.8	247.6	247.9	247.6	246.8	245.4	243.5	241.1	238.1	234.6
-85°	151.0	151.9	152.4	152.6	152.4	151.9	151.0	149.8	148.3	146.4	144.2
-87.5°	61.5	61.8	61.9	62.0	61.9	61.8	61.5	61.1	60.5	59.9	59.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	58.3	57.3	56.2	55.0	53.7	52.3	50.8	49.2	47.5	45.7	43.8
85°	141.6	138.8	135.6	132.1	128.3	124.2	119.8	115.1	110.1	104.9	99.4
82.5°	230.6	226.0	221.0	215.4	209.4	202.9	196.0	188.6	180.8	172.5	163.9
80°	334.5	327.2	319.1	310.2	300.5	290.1	278.9	267.1	254.5	242.4	230.9
77.5°	455.1	444.4	432.5	419.5	405.3	390.1	373.7	357.2	341.5	324.9	307.6
75°	592.0	577.3	560.9	543.0	523.5	502.5	482.0	461.1	439.1	415.8	391.5
72.5°	737.4	719.5	699.7	678.0	654.4	629.6	603.3	575.3	545.8	514.8	484.0
70°	879.5	860.2	838.8	815.3	788.8	759.6	728.4	695.3	660.3	624.3	587.1
67.5°	1019.3	996.6	971.5	944.3	915.4	884.4	851.3	816.1	777.3	735.8	692.5
65°	1150.8	1130.1	1107.2	1076.7	1043.3	1007.4	969.1	929.4	887.9	844.5	798.7
62.5°	1262.9	1241.6	1217.2	1189.4	1159.3	1127.0	1089.4	1044.5	997.2	947.9	897.8
60°	1364.6	1345.1	1319.2	1290.9	1260.3	1227.2	1189.4	1149.3	1107.2	1053.2	996.6
57.5°	1452.3	1430.8	1407.2	1381.3	1353.4	1319.2	1281.0	1240.7	1195.7	1147.7	1095.8
55°	1539.9	1516.2	1490.3	1462.1	1431.7	1399.1	1364.6	1324.8	1278.9	1230.9	1176.9
52.5°	1631.1	1604.3	1574.8	1542.6	1509.2	1473.9	1436.5	1397.2	1355.9	1306.5	1252.8
50°	1738.3	1703.6	1665.5	1625.8	1588.4	1548.4	1507.5	1465.1	1420.8	1374.7	1323.3
47.5°	1874.7	1825.1	1770.7	1722.0	1674.0	1624.8	1579.4	1531.9	1484.4	1435.1	1384.1
45°	2065.3	1985.7	1902.8	1839.2	1771.0	1712.2	1654.3	1600.3	1547.2	1494.2	1439.9
42.5°	2331.4	2205.2	2092.2	1990.6	1891.8	1814.3	1738.0	1673.4	1610.9	1552.4	1494.2
40°	2721.3	2500.2	2347.4	2187.3	2057.8	1934.9	1840.6	1751.1	1679.8	1610.9	1547.2
37.5°	3317.4	2965.3	2706.2	2451.2	2268.9	2098.7	1961.7	1849.4	1751.1	1673.4	1600.3
35°	4236.8	3694.9	3214.9	2846.3	2530.5	2310.2	2112.4	1961.7	1840.6	1738.0	1654.3
32.5°	5668.4	4822.3	3952.5	3403.4	2917.2	2565.1	2310.2	2098.7	1934.9	1814.3	1712.2
30°	8101.9	6495.3	5180.7	4140.0	3466.8	2917.2	2530.5	2268.9	2057.8	1891.8	1771.0
27.5°	11643.8	8811.6	6936.2	5301.4	4140.0	3403.4	2846.3	2451.2	2187.3	1990.6	1839.2
25°	15805.0	12429.9	9189.8	6936.2	5180.7	3952.5	3214.9	2706.2	2347.4	2092.2	1902.8
22.5°	20195.5	16296.8	12429.9	8811.6	6495.3	4822.3	3694.9	2965.3	2500.2	2205.2	1985.7
20°	24493.2	20195.5	15805.0	11643.8	8101.9	5668.4	4236.8	3317.4	2721.3	2331.4	2065.3
17.5°	28622.2	23929.2	19148.0	14350.5	10101.5	6988.9	4950.7	3689.4	2920.8	2445.0	2136.8
15°	32466.3	27394.8	22266.3	17139.3	12263.2	8204.1	5585.6	4026.7	3134.0	2580.5	2225.2
12.5°	35946.1	30529.4	25031.5	19585.4	14234.1	9590.5	6452.8	4532.9	3396.3	2720.5	2304.5
10°	38907.6	33225.5	27439.6	21721.9	16119.4	11041.7	7263.7	4954.5	3614.4	2836.6	2370.3
7.5°	41175.3	35419.1	29392.6	23429.7	17619.9	12192.7	7905.2	5287.2	3786.1	2927.9	2421.9
5°	42860.1	37036.3	30824.2	24675.9	18711.1	13027.4	8369.3	5527.6	3910.0	2993.7	2459.0
2.5°	43899.7	38028.4	31698.7	25434.8	19374.0	13533.5	8650.3	5672.9	3984.8	3033.4	2481.4
0°	44251.3	38362.9	31992.9	25689.7	19596.3	13703.1	8744.4	5721.5	4009.8	3046.7	2488.9
-2.5°	43899.7	38028.4	31698.7	25434.8	19374.0	13533.5	8650.3	5672.9	3984.8	3033.4	2481.4
-5°	42860.1	37036.3	30824.2	24675.9	18711.1	13027.4	8369.3	5527.6	3910.0	2993.7	2459.0
-7.5°	41175.3	35419.1	29392.6	23429.7	17619.9	12192.7	7905.2	5287.2	3786.1	2927.9	2421.9
-10°	38907.6	33225.5	27439.6	21721.9	16119.4	11041.7	7263.7	4954.5	3614.4	2836.6	2370.3
-12.5°	35946.1	30529.4	25031.5	19585.4	14234.1	9590.5	6452.8	4532.9	3396.3	2720.5	2304.5
-15°	32466.3	27394.8	22266.3	17139.3	12263.2	8204.1	5585.6	4026.7	3134.0	2580.5	2225.2
-17.5°	28622.2	23929.2	19148.0	14350.5	10101.5	6988.9	4950.7	3689.4	2920.8	2445.0	2136.8
-20°	24493.2	20195.5	15805.0	11643.8	8101.9	5668.4	4236.8	3317.4	2721.3	2331.4	2065.3



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	20195.5	16296.8	12429.9	8811.6	6495.3	4822.3	3694.9	2965.3	2500.2	2205.2	1985.7
-25°	15805.0	12429.9	9189.8	6936.2	5180.7	3952.5	3214.9	2706.2	2347.4	2092.2	1902.8
-27.5°	11643.8	8811.6	6936.2	5301.4	4140.0	3403.4	2846.3	2451.2	2187.3	1990.6	1839.2
-30°	8101.9	6495.3	5180.7	4140.0	3466.8	2917.2	2530.5	2268.9	2057.8	1891.8	1771.0
-32.5°	5668.4	4822.3	3952.5	3403.4	2917.2	2565.1	2310.2	2098.7	1934.9	1814.3	1712.2
-35°	4236.8	3694.9	3214.9	2846.3	2530.5	2310.2	2112.4	1961.7	1840.6	1738.0	1654.3
-37.5°	3317.4	2965.3	2706.2	2451.2	2268.9	2098.7	1961.7	1849.4	1751.1	1673.4	1600.3
-40°	2721.3	2500.2	2347.4	2187.3	2057.8	1934.9	1840.6	1751.1	1679.8	1610.9	1547.2
-42.5°	2331.4	2205.2	2092.2	1990.6	1891.8	1814.3	1738.0	1673.4	1610.9	1552.4	1494.2
-45°	2065.3	1985.7	1902.8	1839.2	1771.0	1712.2	1654.3	1600.3	1547.2	1494.2	1439.9
-47.5°	1874.7	1825.1	1770.7	1722.0	1674.0	1624.8	1579.4	1531.9	1484.4	1435.1	1384.1
-50°	1738.3	1703.6	1665.5	1625.8	1588.4	1548.4	1507.5	1465.1	1420.8	1374.7	1323.3
-52.5°	1631.1	1604.3	1574.8	1542.6	1509.2	1473.9	1436.5	1397.2	1355.9	1306.5	1252.8
-55°	1539.9	1516.2	1490.3	1462.1	1431.7	1399.1	1364.6	1324.8	1278.9	1230.9	1176.9
-57.5°	1452.3	1430.8	1407.2	1381.3	1353.4	1319.2	1281.0	1240.7	1195.7	1147.7	1095.8
-60°	1364.6	1345.1	1319.2	1290.9	1260.3	1227.2	1189.4	1149.3	1107.2	1053.2	996.6
-62.5°	1262.9	1241.6	1217.2	1189.4	1159.3	1127.0	1089.4	1044.5	997.2	947.9	897.8
-65°	1150.8	1130.1	1107.2	1076.7	1043.3	1007.4	969.1	929.4	887.9	844.5	798.7
-67.5°	1019.3	996.6	971.5	944.3	915.4	884.4	851.3	816.1	777.3	735.8	692.5
-70°	879.5	860.2	838.8	815.3	788.8	759.6	728.4	695.3	660.3	624.3	587.1
-72.5°	737.4	719.5	699.7	678.0	654.4	629.6	603.3	575.3	545.8	514.8	484.0
-75°	592.0	577.3	560.9	543.0	523.5	502.5	482.0	461.1	439.1	415.8	391.5
-77.5°	455.1	444.4	432.5	419.5	405.3	390.1	373.7	357.2	341.5	324.9	307.6
-80°	334.5	327.2	319.1	310.2	300.5	290.1	278.9	267.1	254.5	242.4	230.9
-82.5°	230.6	226.0	221.0	215.4	209.4	202.9	196.0	188.6	180.8	172.5	163.9
-85°	141.6	138.8	135.6	132.1	128.3	124.2	119.8	115.1	110.1	104.9	99.4
-87.5°	58.3	57.3	56.2	55.0	53.7	52.3	50.8	49.2	47.5	45.7	43.8
-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: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	41.9	39.8	37.7	35.6	33.3	31.0	28.6	26.2	23.7	21.2	18.6
85°	93.7	87.8	81.6	75.2	68.7	61.9	57.2	52.4	47.4	42.4	37.2
82.5°	154.9	145.8	136.6	127.0	117.1	107.0	96.6	86.0	75.2	64.1	55.8
80°	218.8	206.3	193.3	179.9	166.1	151.9	138.1	123.9	109.5	94.8	79.9
77.5°	289.5	270.7	251.2	233.8	216.6	198.8	180.6	162.1	143.6	125.2	106.6
75°	366.2	343.0	319.6	295.4	270.5	245.4	223.6	201.4	178.7	155.6	133.2
72.5°	454.3	423.5	391.7	359.3	330.2	300.4	269.9	240.3	213.9	187.0	159.8
70°	548.3	508.1	470.1	432.5	393.9	355.4	320.6	285.0	248.9	218.1	187.0
67.5°	647.4	602.0	555.2	506.9	462.0	417.5	371.9	330.7	290.1	248.9	213.9
65°	748.5	696.4	642.8	589.1	534.0	479.8	429.3	377.8	330.7	285.0	240.3
62.5°	845.8	791.1	731.9	670.9	609.7	547.7	485.8	429.3	371.9	320.6	269.9
60°	938.4	879.5	818.9	753.3	685.2	616.5	547.7	479.8	417.5	355.4	300.4
57.5°	1032.0	966.1	899.9	832.4	760.4	685.2	609.7	534.0	462.0	393.9	330.2
55°	1121.0	1053.4	980.3	906.7	832.4	753.3	670.9	589.1	506.9	432.5	359.3
52.5°	1194.7	1132.7	1060.5	980.3	899.9	818.9	731.9	642.8	555.2	470.1	391.7
50°	1263.9	1200.6	1132.7	1053.4	966.1	879.5	791.1	696.4	602.0	508.1	423.5
47.5°	1328.9	1263.9	1194.7	1121.0	1032.0	938.4	845.8	748.5	647.4	548.3	454.3
45°	1384.1	1323.3	1252.8	1176.9	1095.8	996.6	897.8	798.7	692.5	587.1	484.0
42.5°	1435.1	1374.7	1306.5	1230.9	1147.7	1053.2	947.9	844.5	735.8	624.3	514.8
40°	1484.4	1420.8	1355.9	1278.9	1195.7	1107.2	997.2	887.9	777.3	660.3	545.8
37.5°	1531.9	1465.1	1397.2	1324.8	1240.7	1149.3	1044.5	929.4	816.1	695.3	575.3
35°	1579.4	1507.5	1436.5	1364.6	1281.0	1189.4	1089.4	969.1	851.3	728.4	603.3
32.5°	1624.8	1548.4	1473.9	1399.1	1319.2	1227.2	1127.0	1007.4	884.4	759.6	629.6
30°	1674.0	1588.4	1509.2	1431.7	1353.4	1260.3	1159.3	1043.3	915.4	788.8	654.4
27.5°	1722.0	1625.8	1542.6	1462.1	1381.3	1290.9	1189.4	1076.7	944.3	815.3	678.0
25°	1770.7	1665.5	1574.8	1490.3	1407.2	1319.2	1217.2	1107.2	971.5	838.8	699.7
22.5°	1825.1	1703.6	1604.3	1516.2	1430.8	1345.1	1241.6	1130.1	996.6	860.2	719.5
20°	1874.7	1738.3	1631.1	1539.9	1452.3	1364.6	1262.9	1150.8	1019.3	879.5	737.4
17.5°	1922.6	1774.1	1658.8	1561.9	1471.4	1382.0	1281.8	1169.1	1039.4	896.7	753.3
15°	1980.7	1810.0	1683.9	1581.1	1488.2	1397.2	1298.3	1185.1	1057.0	911.7	767.1
12.5°	2030.4	1840.8	1705.3	1597.5	1502.4	1410.1	1312.3	1198.8	1071.9	924.4	778.9
10°	2071.5	1866.2	1722.9	1611.1	1514.2	1420.8	1323.9	1210.0	1084.2	934.9	788.5
7.5°	2103.8	1886.1	1736.7	1621.7	1523.4	1429.1	1332.9	1218.8	1093.8	943.1	796.1
5°	2127.0	1900.4	1746.6	1629.3	1530.0	1435.1	1339.4	1225.1	1100.7	948.9	801.5
2.5°	2140.9	1909.0	1752.6	1633.9	1534.0	1438.7	1343.3	1228.8	1104.8	952.4	804.7
0°	2145.6	1911.9	1754.6	1635.4	1535.3	1439.9	1344.6	1230.1	1106.2	953.6	805.8
-2.5°	2140.9	1909.0	1752.6	1633.9	1534.0	1438.7	1343.3	1228.8	1104.8	952.4	804.7
-5°	2127.0	1900.4	1746.6	1629.3	1530.0	1435.1	1339.4	1225.1	1100.7	948.9	801.5
-7.5°	2103.8	1886.1	1736.7	1621.7	1523.4	1429.1	1332.9	1218.8	1093.8	943.1	796.1
-10°	2071.5	1866.2	1722.9	1611.1	1514.2	1420.8	1323.9	1210.0	1084.2	934.9	788.5
-12.5°	2030.4	1840.8	1705.3	1597.5	1502.4	1410.1	1312.3	1198.8	1071.9	924.4	778.9
-15°	1980.7	1810.0	1683.9	1581.1	1488.2	1397.2	1298.3	1185.1	1057.0	911.7	767.1
-17.5°	1922.6	1774.1	1658.8	1561.9	1471.4	1382.0	1281.8	1169.1	1039.4	896.7	753.3
-20°	1874.7	1738.3	1631.1	1539.9	1452.3	1364.6	1262.9	1150.8	1019.3	879.5	737.4

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	1825.1	1703.6	1604.3	1516.2	1430.8	1345.1	1241.6	1130.1	996.6	860.2	719.5
-25°	1770.7	1665.5	1574.8	1490.3	1407.2	1319.2	1217.2	1107.2	971.5	838.8	699.7
-27.5°	1722.0	1625.8	1542.6	1462.1	1381.3	1290.9	1189.4	1076.7	944.3	815.3	678.0
-30°	1674.0	1588.4	1509.2	1431.7	1353.4	1260.3	1159.3	1043.3	915.4	788.8	654.4
-32.5°	1624.8	1548.4	1473.9	1399.1	1319.2	1227.2	1127.0	1007.4	884.4	759.6	629.6
-35°	1579.4	1507.5	1436.5	1364.6	1281.0	1189.4	1089.4	969.1	851.3	728.4	603.3
-37.5°	1531.9	1465.1	1397.2	1324.8	1240.7	1149.3	1044.5	929.4	816.1	695.3	575.3
-40°	1484.4	1420.8	1355.9	1278.9	1195.7	1107.2	997.2	887.9	777.3	660.3	545.8
-42.5°	1435.1	1374.7	1306.5	1230.9	1147.7	1053.2	947.9	844.5	735.8	624.3	514.8
-45°	1384.1	1323.3	1252.8	1176.9	1095.8	996.6	897.8	798.7	692.5	587.1	484.0
-47.5°	1328.9	1263.9	1194.7	1121.0	1032.0	938.4	845.8	748.5	647.4	548.3	454.3
-50°	1263.9	1200.6	1132.7	1053.4	966.1	879.5	791.1	696.4	602.0	508.1	423.5
-52.5°	1194.7	1132.7	1060.5	980.3	899.9	818.9	731.9	642.8	555.2	470.1	391.7
-55°	1121.0	1053.4	980.3	906.7	832.4	753.3	670.9	589.1	506.9	432.5	359.3
-57.5°	1032.0	966.1	899.9	832.4	760.4	685.2	609.7	534.0	462.0	393.9	330.2
-60°	938.4	879.5	818.9	753.3	685.2	616.5	547.7	479.8	417.5	355.4	300.4
-62.5°	845.8	791.1	731.9	670.9	609.7	547.7	485.8	429.3	371.9	320.6	269.9
-65°	748.5	696.4	642.8	589.1	534.0	479.8	429.3	377.8	330.7	285.0	240.3
-67.5°	647.4	602.0	555.2	506.9	462.0	417.5	371.9	330.7	290.1	248.9	213.9
-70°	548.3	508.1	470.1	432.5	393.9	355.4	320.6	285.0	248.9	218.1	187.0
-72.5°	454.3	423.5	391.7	359.3	330.2	300.4	269.9	240.3	213.9	187.0	159.8
-75°	366.2	343.0	319.6	295.4	270.5	245.4	223.6	201.4	178.7	155.6	133.2
-77.5°	289.5	270.7	251.2	233.8	216.6	198.8	180.6	162.1	143.6	125.2	106.6
-80°	218.8	206.3	193.3	179.9	166.1	151.9	138.1	123.9	109.5	94.8	79.9
-82.5°	154.9	145.8	136.6	127.0	117.1	107.0	96.6	86.0	75.2	64.1	55.8
-85°	93.7	87.8	81.6	75.2	68.7	61.9	57.2	52.4	47.4	42.4	37.2
-87.5°	41.9	39.8	37.7	35.6	33.3	31.0	28.6	26.2	23.7	21.2	18.6
-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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Scaled Data Report



REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	16.0	13.4	10.8	8.1	5.4	2.7	0.0
85°	32.1	26.8	21.5	16.2	10.8	5.4	0.0
82.5°	48.0	40.1	32.2	24.2	16.2	8.1	0.0
80°	64.8	53.4	42.9	32.2	21.5	10.8	0.0
77.5°	87.8	68.7	53.4	40.1	26.8	13.4	0.0
75°	110.6	87.8	64.8	48.0	32.1	16.0	0.0
72.5°	133.2	106.6	79.9	55.8	37.2	18.6	0.0
70°	155.6	125.2	94.8	64.1	42.4	21.2	0.0
67.5°	178.7	143.6	109.5	75.2	47.4	23.7	0.0
65°	201.4	162.1	123.9	86.0	52.4	26.2	0.0
62.5°	223.6	180.6	138.1	96.6	57.2	28.6	0.0
60°	245.4	198.8	151.9	107.0	61.9	31.0	0.0
57.5°	270.5	216.6	166.1	117.1	68.7	33.3	0.0
55°	295.4	233.8	179.9	127.0	75.2	35.6	0.0
52.5°	319.6	251.2	193.3	136.6	81.6	37.7	0.0
50°	343.0	270.7	206.3	145.8	87.8	39.8	0.0
47.5°	366.2	289.5	218.8	154.9	93.7	41.9	0.0
45°	391.5	307.6	230.9	163.9	99.4	43.8	0.0
42.5°	415.8	324.9	242.4	172.5	104.9	45.7	0.0
40°	439.1	341.5	254.5	180.8	110.1	47.5	0.0
37.5°	461.1	357.2	267.1	188.6	115.1	49.2	0.0
35°	482.0	373.7	278.9	196.0	119.8	50.8	0.0
32.5°	502.5	390.1	290.1	202.9	124.2	52.3	0.0
30°	523.5	405.3	300.5	209.4	128.3	53.7	0.0
27.5°	543.0	419.5	310.2	215.4	132.1	55.0	0.0
25°	560.9	432.5	319.1	221.0	135.6	56.2	0.0
22.5°	577.3	444.4	327.2	226.0	138.8	57.3	0.0
20°	592.0	455.1	334.5	230.6	141.6	58.3	0.0
17.5°	605.1	464.5	341.0	234.6	144.2	59.1	0.0
15°	616.5	472.8	346.6	238.1	146.4	59.9	0.0
12.5°	626.2	479.8	351.4	241.1	148.3	60.5	0.0
10°	634.2	485.6	355.4	243.5	149.8	61.1	0.0
7.5°	640.4	490.1	358.4	245.4	151.0	61.5	0.0
5°	644.8	493.3	360.6	246.8	151.9	61.8	0.0
2.5°	647.5	495.3	362.0	247.6	152.4	61.9	0.0
0°	648.4	495.9	362.4	247.9	152.6	62.0	0.0
-2.5°	647.5	495.3	362.0	247.6	152.4	61.9	0.0
-5°	644.8	493.3	360.6	246.8	151.9	61.8	0.0
-7.5°	640.4	490.1	358.4	245.4	151.0	61.5	0.0
-10°	634.2	485.6	355.4	243.5	149.8	61.1	0.0
-12.5°	626.2	479.8	351.4	241.1	148.3	60.5	0.0
-15°	616.5	472.8	346.6	238.1	146.4	59.9	0.0
-17.5°	605.1	464.5	341.0	234.6	144.2	59.1	0.0
-20°	592.0	455.1	334.5	230.6	141.6	58.3	0.0

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REPORT NUMBER: P624773 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-55

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	577.3	444.4	327.2	226.0	138.8	57.3	0.0
-25°	560.9	432.5	319.1	221.0	135.6	56.2	0.0
-27.5°	543.0	419.5	310.2	215.4	132.1	55.0	0.0
-30°	523.5	405.3	300.5	209.4	128.3	53.7	0.0
-32.5°	502.5	390.1	290.1	202.9	124.2	52.3	0.0
-35°	482.0	373.7	278.9	196.0	119.8	50.8	0.0
-37.5°	461.1	357.2	267.1	188.6	115.1	49.2	0.0
-40°	439.1	341.5	254.5	180.8	110.1	47.5	0.0
-42.5°	415.8	324.9	242.4	172.5	104.9	45.7	0.0
-45°	391.5	307.6	230.9	163.9	99.4	43.8	0.0
-47.5°	366.2	289.5	218.8	154.9	93.7	41.9	0.0
-50°	343.0	270.7	206.3	145.8	87.8	39.8	0.0
-52.5°	319.6	251.2	193.3	136.6	81.6	37.7	0.0
-55°	295.4	233.8	179.9	127.0	75.2	35.6	0.0
-57.5°	270.5	216.6	166.1	117.1	68.7	33.3	0.0
-60°	245.4	198.8	151.9	107.0	61.9	31.0	0.0
-62.5°	223.6	180.6	138.1	96.6	57.2	28.6	0.0
-65°	201.4	162.1	123.9	86.0	52.4	26.2	0.0
-67.5°	178.7	143.6	109.5	75.2	47.4	23.7	0.0
-70°	155.6	125.2	94.8	64.1	42.4	21.2	0.0
-72.5°	133.2	106.6	79.9	55.8	37.2	18.6	0.0
-75°	110.6	87.8	64.8	48.0	32.1	16.0	0.0
-77.5°	87.8	68.7	53.4	40.1	26.8	13.4	0.0
-80°	64.8	53.4	42.9	32.2	21.5	10.8	0.0
-82.5°	48.0	40.1	32.2	24.2	16.2	8.1	0.0
-85°	32.1	26.8	21.5	16.2	10.8	5.4	0.0
-87.5°	16.0	13.4	10.8	8.1	5.4	2.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)