

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: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-4000K-66**

Issue Date: 11/8/2022



Test Information

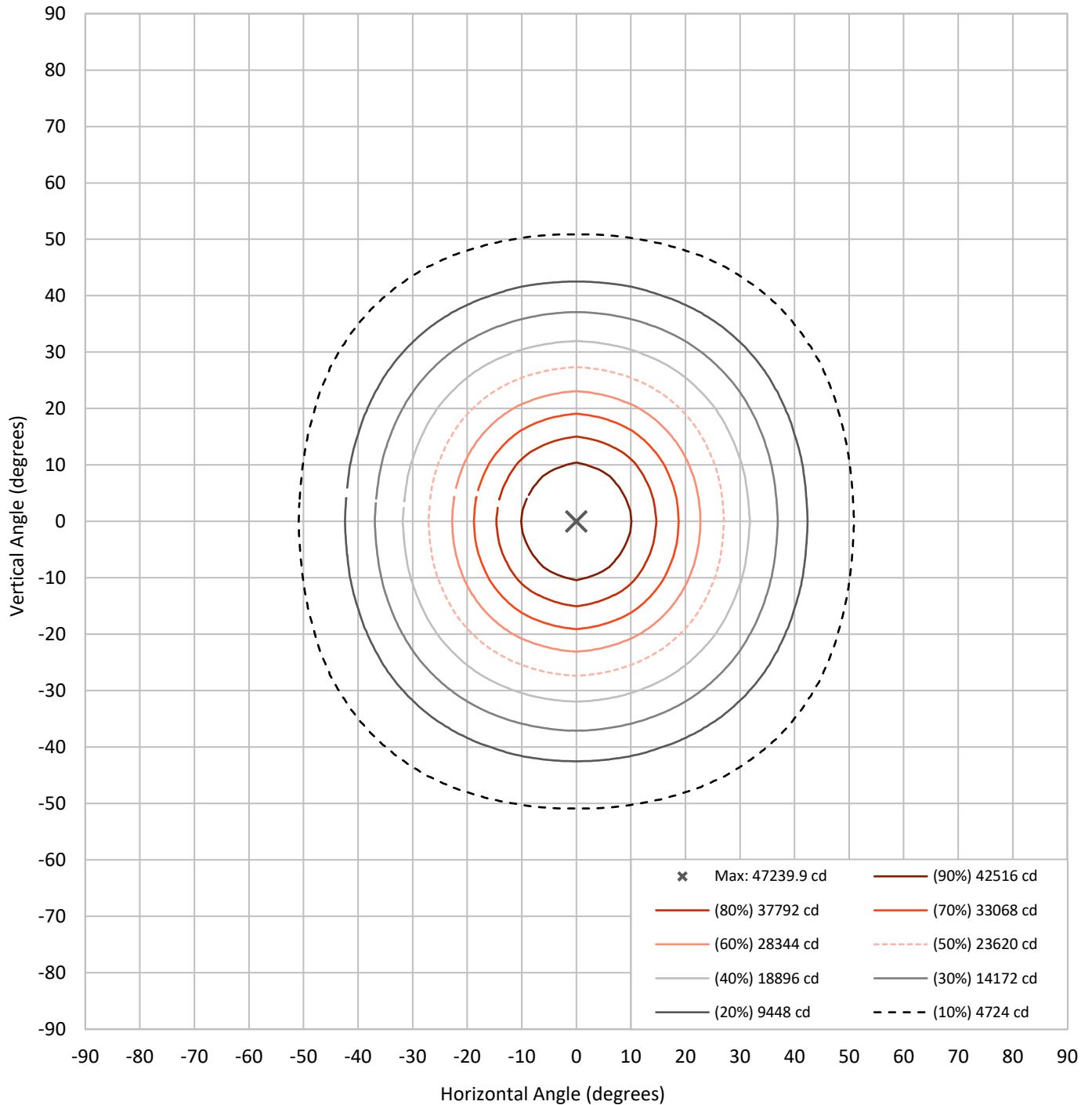
Test Method: LM-79-08
Report Number: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-06-E-PRO-4000K-66
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 66 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A	NEMA Type: 6H x 6V
Luminaire Lumens: 48984.2 lumens	Max Intensity: 47239.9 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 0°V
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	Field Angle (10%): 101.7°H x 101.8°V
Beam Lumens: 23555.8 lumens	Field Lumens: 42989.2 lumens
Beam Efficiency: 48.1%	Field Efficiency: 87.8%
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: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-66

Iso-Candela Plot





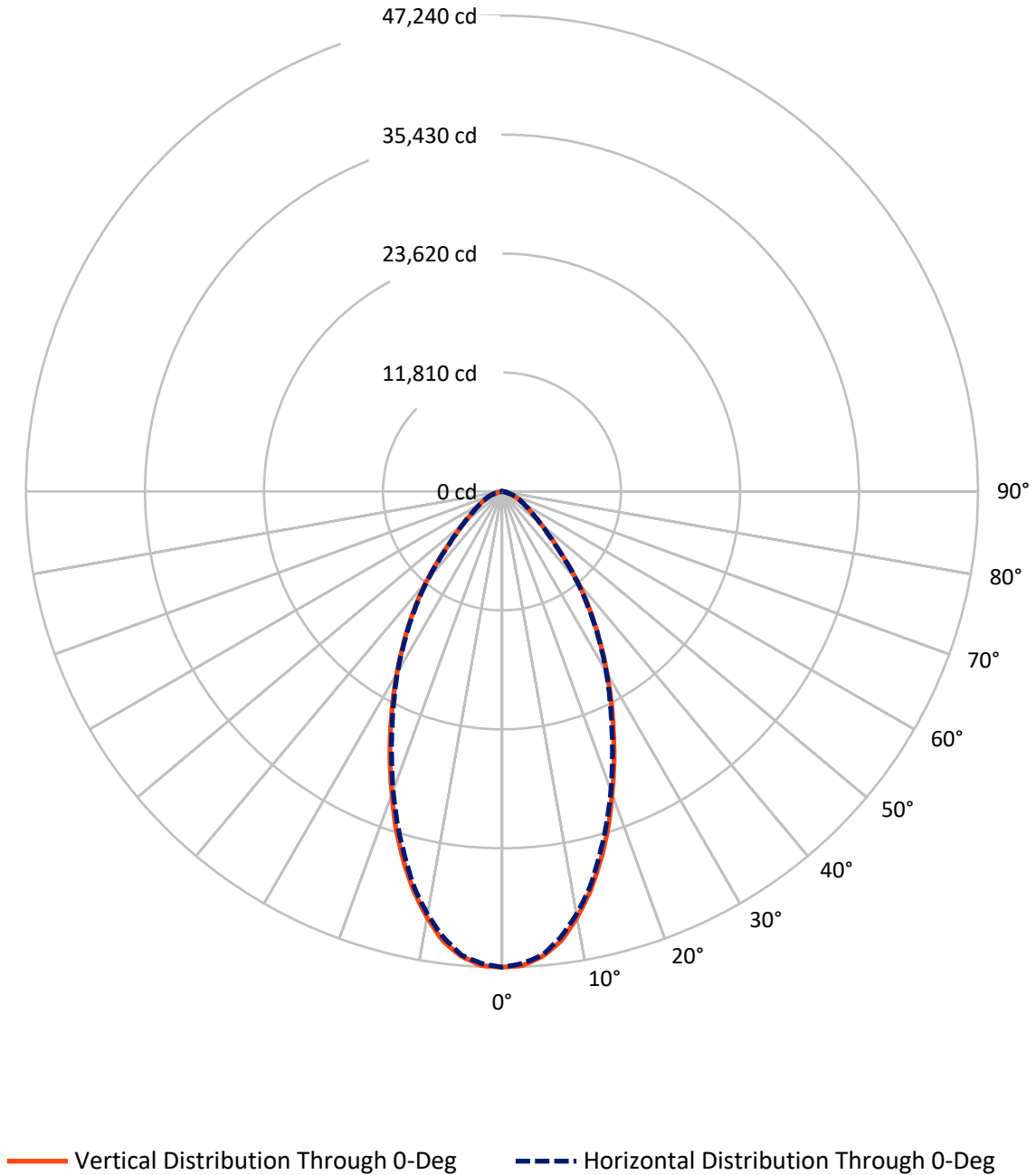
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Lumen Table

90																			
80	3.4	21.0		42.3		64.4		55.1		64.4		42.3		21.0		3.4			
70																			
60	8.6	9.2	16.3	24.8	34.8	44.4	51.8	55.4	55.4	51.8	44.4	34.8	24.8	16.3	9.2	8.6			
50		12.2	23.2	38.1	57.1	77.8	96.4	107.5	107.5	96.4	77.8	57.1	38.1	23.2	12.2				
40	11.6	15.2	31.1	56.1	93.0	142.7	196.4	232.8	232.8	196.4	142.7	93.0	56.1	31.1	15.2	11.6			
30		18.1	40.1	80.7	154.9	273.9	398.3	475.2	475.2	398.3	273.9	154.9	80.7	40.1	18.1				
20	13.4	20.9	49.3	111.9	247.8	447.3	642.6	771.1	771.1	642.6	447.3	247.8	111.9	49.3	20.9	13.4			
10		23.0	57.6	143.9	337.6	602.3	891.8	1101.3	1101.3	891.8	602.3	337.6	143.9	57.6	23.0				
0	14.0	24.2	62.5	164.9	389.3	698.6	1063.9	1337.2	1337.2	1063.9	698.6	389.3	164.9	62.5	24.2	14.0			
-10		24.2	62.5	164.9	389.3	698.6	1063.9	1337.2	1337.2	1063.9	698.6	389.3	164.9	62.5	24.2				
-20	13.4	23.0	57.6	143.9	337.6	602.3	891.8	1101.3	1101.3	891.8	602.3	337.6	143.9	57.6	23.0	13.4			
-30		20.9	49.3	111.9	247.8	447.3	642.6	771.1	771.1	642.6	447.3	247.8	111.9	49.3	20.9				
-40	11.6	18.1	40.1	80.7	154.9	273.9	398.3	475.2	475.2	398.3	273.9	154.9	80.7	40.1	18.1	11.6			
-50		15.2	31.1	56.1	93.0	142.7	196.4	232.8	232.8	196.4	142.7	93.0	56.1	31.1	15.2				
-60	8.6	12.2	23.2	38.1	57.1	77.8	96.4	107.5	107.5	96.4	77.8	57.1	38.1	23.2	12.2	8.6			
-70		9.2	16.3	24.8	34.8	44.4	51.8	55.4	55.4	51.8	44.4	34.8	24.8	16.3	9.2				
-80																			
-90	3.4	21.0		42.3		64.4		55.1		64.4		42.3		21.0		3.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

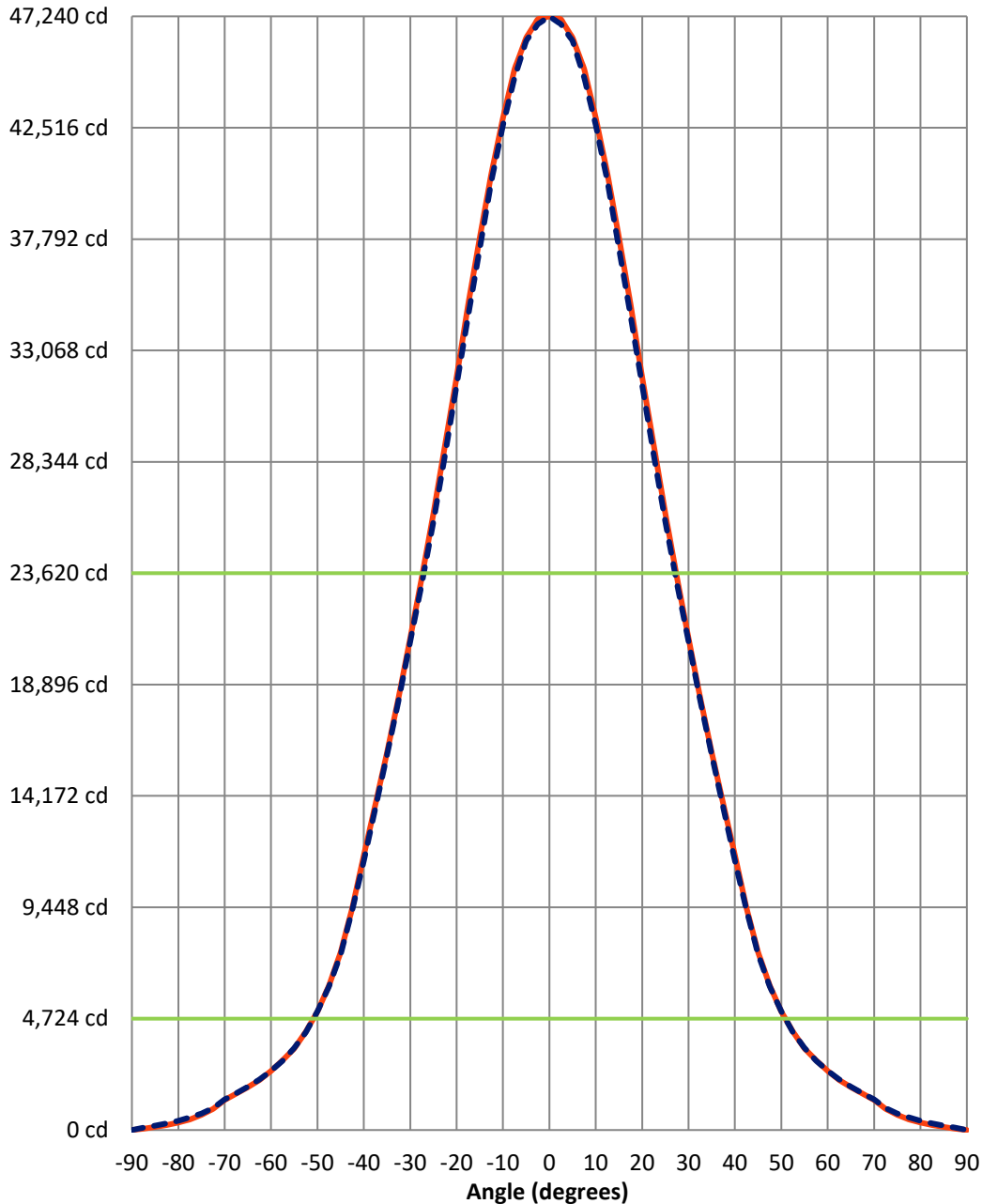
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 54.2°
V Angle: 54.7°
Lumens: 23555.8
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 42989.2
Efficiency: 87.8%

Spill:
Lumens: 5995.1
Efficiency: 12.2%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	4.9	11.0	18.9	28.4	39.5	52.1	59.4	66.3	72.7	78.7
85°	0.0	9.9	21.9	37.7	56.6	78.7	103.9	118.7	132.5	145.3	157.3
82.5°	0.0	14.8	32.7	56.3	84.6	117.6	155.2	177.9	198.1	215.5	231.9
80°	0.0	19.6	43.5	74.7	112.3	156.0	205.1	233.2	258.1	281.7	303.9
77.5°	0.0	24.4	54.1	92.8	139.4	191.7	249.4	286.4	317.8	347.6	379.3
75°	0.0	29.2	64.6	110.6	165.0	223.0	292.3	339.2	377.0	417.1	464.8
72.5°	0.0	33.9	74.9	127.8	185.6	253.1	333.7	389.7	433.6	486.4	547.9
70°	0.0	38.5	84.9	143.8	205.3	281.9	372.1	433.5	488.4	553.0	605.4
67.5°	0.0	43.0	94.7	155.5	224.1	309.2	401.2	475.7	540.9	599.4	656.4
65°	0.0	47.4	104.2	166.7	241.8	332.8	428.8	516.1	581.8	645.0	708.7
62.5°	0.0	51.6	113.5	177.1	258.3	353.1	454.8	552.4	621.9	691.0	765.2
60°	0.0	55.8	122.3	186.8	273.5	372.2	479.1	587.0	661.2	740.8	820.4
57.5°	0.0	59.8	128.2	195.8	286.8	389.8	501.8	618.8	703.3	789.2	876.8
55°	0.0	63.6	133.8	203.9	299.1	406.0	522.8	644.0	745.2	837.4	933.4
52.5°	0.0	67.4	139.2	211.1	310.2	420.9	542.4	670.4	785.7	887.9	988.9
50°	0.0	70.9	144.3	217.4	320.3	435.6	560.2	695.0	826.4	937.2	1050.2
47.5°	0.0	74.3	149.2	223.1	329.3	448.9	576.8	717.4	869.3	985.4	1110.6
45°	0.0	77.5	153.8	228.9	337.1	460.8	593.7	737.4	899.4	1038.0	1169.3
42.5°	0.0	80.5	158.2	233.9	343.8	471.3	608.7	758.9	927.3	1089.0	1227.0
40°	0.0	83.3	162.3	240.3	350.2	480.4	621.7	781.3	955.2	1136.4	1282.1
37.5°	0.0	85.9	166.1	247.2	356.4	488.1	632.6	801.9	985.4	1172.0	1334.4
35°	0.0	88.4	169.7	253.5	361.6	495.3	641.6	820.5	1014.2	1209.7	1387.0
32.5°	0.0	90.6	172.9	259.3	365.6	501.4	650.5	837.1	1041.5	1249.0	1441.0
30°	0.0	92.6	175.9	264.5	368.5	505.8	662.3	853.1	1067.0	1289.8	1492.4
27.5°	0.0	94.5	178.5	269.1	375.4	508.7	672.2	871.7	1093.6	1331.7	1541.1
25°	0.0	96.1	180.8	273.2	381.8	510.0	680.1	888.2	1124.2	1371.8	1587.0
22.5°	0.0	97.5	182.8	276.7	387.3	512.3	686.0	902.5	1154.0	1408.1	1633.7
20°	0.0	98.7	184.5	279.6	391.8	519.8	689.9	914.5	1182.6	1441.1	1675.7
17.5°	0.0	99.6	185.9	281.9	395.2	526.2	697.1	924.0	1209.4	1470.8	1712.9
15°	0.0	100.4	186.9	283.7	397.7	531.6	704.9	933.0	1234.0	1496.9	1745.1
12.5°	0.0	101.0	187.6	284.8	399.2	535.9	710.1	941.3	1255.9	1519.2	1772.2
10°	0.0	101.3	188.0	285.4	399.7	539.0	712.6	946.1	1274.0	1536.3	1794.6
7.5°	0.0	101.5	188.0	285.4	399.3	540.8	712.8	947.4	1287.7	1549.0	1812.9
5°	0.0	101.4	187.7	284.8	398.0	541.4	710.5	945.3	1296.6	1557.3	1826.2
2.5°	0.0	101.2	187.1	283.6	395.7	540.7	706.1	939.9	1300.4	1561.2	1834.4
0°	0.0	100.7	186.2	281.9	392.6	538.6	699.7	931.2	1298.7	1560.4	1837.2
-2.5°	0.0	101.2	187.1	283.6	395.7	540.7	706.1	939.9	1300.4	1561.2	1834.4
-5°	0.0	101.4	187.7	284.8	398.0	541.4	710.5	945.3	1296.6	1557.3	1826.2
-7.5°	0.0	101.5	188.0	285.4	399.3	540.8	712.8	947.4	1287.7	1549.0	1812.9
-10°	0.0	101.3	188.0	285.4	399.7	539.0	712.6	946.1	1274.0	1536.3	1794.6
-12.5°	0.0	101.0	187.6	284.8	399.2	535.9	710.1	941.3	1255.9	1519.2	1772.2
-15°	0.0	100.4	186.9	283.7	397.7	531.6	704.9	933.0	1234.0	1496.9	1745.1
-17.5°	0.0	99.6	185.9	281.9	395.2	526.2	697.1	924.0	1209.4	1470.8	1712.9
-20°	0.0	98.7	184.5	279.6	391.8	519.8	689.9	914.5	1182.6	1441.1	1675.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	97.5	182.8	276.7	387.3	512.3	686.0	902.5	1154.0	1408.1	1633.7
-25°	0.0	96.1	180.8	273.2	381.8	510.0	680.1	888.2	1124.2	1371.8	1587.0
-27.5°	0.0	94.5	178.5	269.1	375.4	508.7	672.2	871.7	1093.6	1331.7	1541.1
-30°	0.0	92.6	175.9	264.5	368.5	505.8	662.3	853.1	1067.0	1289.8	1492.4
-32.5°	0.0	90.6	172.9	259.3	365.6	501.4	650.5	837.1	1041.5	1249.0	1441.0
-35°	0.0	88.4	169.7	253.5	361.6	495.3	641.6	820.5	1014.2	1209.7	1387.0
-37.5°	0.0	85.9	166.1	247.2	356.4	488.1	632.6	801.9	985.4	1172.0	1334.4
-40°	0.0	83.3	162.3	240.3	350.2	480.4	621.7	781.3	955.2	1136.4	1282.1
-42.5°	0.0	80.5	158.2	233.9	343.8	471.3	608.7	758.9	927.3	1089.0	1227.0
-45°	0.0	77.5	153.8	228.9	337.1	460.8	593.7	737.4	899.4	1038.0	1169.3
-47.5°	0.0	74.3	149.2	223.1	329.3	448.9	576.8	717.4	869.3	985.4	1110.6
-50°	0.0	70.9	144.3	217.4	320.3	435.6	560.2	695.0	826.4	937.2	1050.2
-52.5°	0.0	67.4	139.2	211.1	310.2	420.9	542.4	670.4	785.7	887.9	988.9
-55°	0.0	63.6	133.8	203.9	299.1	406.0	522.8	644.0	745.2	837.4	933.4
-57.5°	0.0	59.8	128.2	195.8	286.8	389.8	501.8	618.8	703.3	789.2	876.8
-60°	0.0	55.8	122.3	186.8	273.5	372.2	479.1	587.0	661.2	740.8	820.4
-62.5°	0.0	51.6	113.5	177.1	258.3	353.1	454.8	552.4	621.9	691.0	765.2
-65°	0.0	47.4	104.2	166.7	241.8	332.8	428.8	516.1	581.8	645.0	708.7
-67.5°	0.0	43.0	94.7	155.5	224.1	309.2	401.2	475.7	540.9	599.4	656.4
-70°	0.0	38.5	84.9	143.8	205.3	281.9	372.1	433.5	488.4	553.0	605.4
-72.5°	0.0	33.9	74.9	127.8	185.6	253.1	333.7	389.7	433.6	486.4	547.9
-75°	0.0	29.2	64.6	110.6	165.0	223.0	292.3	339.2	377.0	417.1	464.8
-77.5°	0.0	24.4	54.1	92.8	139.4	191.7	249.4	286.4	317.8	347.6	379.3
-80°	0.0	19.6	43.5	74.7	112.3	156.0	205.1	233.2	258.1	281.7	303.9
-82.5°	0.0	14.8	32.7	56.3	84.6	117.6	155.2	177.9	198.1	215.5	231.9
-85°	0.0	9.9	21.9	37.7	56.6	78.7	103.9	118.7	132.5	145.3	157.3
-87.5°	0.0	4.9	11.0	18.9	28.4	39.5	52.1	59.4	66.3	72.7	78.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	84.2	89.3	94.0	98.1	95.8	92.3	87.7	82.0	91.8	102.1	112.7
85°	168.4	178.6	186.8	194.1	189.6	182.8	174.4	164.4	184.2	206.3	229.3
82.5°	246.8	260.4	272.7	283.7	279.5	271.4	260.8	247.1	274.7	308.2	342.9
80°	324.0	342.2	361.8	377.9	375.1	364.4	348.9	328.9	360.3	407.0	453.9
77.5°	411.5	438.0	459.9	477.2	474.6	465.7	456.6	447.1	481.9	530.2	574.9
75°	504.8	534.5	553.3	574.3	582.4	581.1	580.4	589.7	631.5	685.6	732.6
72.5°	585.2	608.9	636.9	668.8	687.6	701.1	724.2	756.1	796.4	839.5	878.8
70°	647.1	680.3	717.5	753.8	785.9	817.8	853.0	890.3	931.8	976.8	1019.1
67.5°	708.4	752.7	795.8	838.3	881.8	924.4	969.8	1017.3	1062.2	1112.3	1162.3
65°	774.6	824.6	875.2	926.0	976.1	1034.6	1090.7	1142.8	1198.8	1261.1	1320.1
62.5°	838.4	897.6	955.2	1016.4	1084.4	1150.0	1214.4	1280.3	1346.9	1422.9	1496.7
60°	901.1	970.0	1040.1	1115.9	1191.9	1266.2	1340.2	1425.7	1512.8	1597.4	1687.9
57.5°	963.3	1046.8	1129.8	1214.3	1298.4	1383.2	1483.6	1581.7	1687.0	1791.8	1894.4
55°	1028.1	1126.9	1219.1	1313.0	1410.4	1519.3	1631.3	1750.4	1868.0	2004.3	2131.3
52.5°	1097.7	1204.6	1309.6	1415.8	1533.4	1657.5	1787.8	1928.2	2080.4	2232.6	2391.4
50°	1165.7	1283.8	1400.4	1525.8	1659.1	1801.2	1957.6	2125.8	2304.6	2484.1	2676.8
47.5°	1234.5	1360.2	1497.8	1635.9	1790.3	1958.7	2140.4	2341.2	2541.4	2770.3	2994.5
45°	1301.4	1441.4	1589.4	1754.5	1929.1	2125.0	2339.8	2562.0	2818.4	3076.7	3359.4
42.5°	1365.4	1522.6	1690.8	1869.5	2078.7	2301.1	2538.5	2818.6	3107.1	3420.7	3765.3
40°	1435.4	1600.9	1790.6	2000.9	2227.9	2478.4	2767.8	3078.0	3425.5	3806.9	4208.4
37.5°	1503.5	1688.3	1890.5	2124.5	2384.5	2670.9	2992.9	3368.1	3774.8	4212.4	4742.5
35°	1568.2	1771.3	1997.8	2250.9	2529.9	2872.4	3252.1	3668.7	4142.3	4695.9	5316.3
32.5°	1635.4	1849.6	2098.0	2377.5	2699.4	3074.1	3504.2	3998.7	4557.9	5189.2	5963.9
30°	1702.1	1934.0	2195.5	2495.8	2859.8	3286.6	3780.7	4329.6	4974.3	5772.3	6693.7
27.5°	1764.0	2012.6	2296.5	2625.3	3014.5	3482.3	4042.7	4694.1	5455.9	6358.1	7434.2
25°	1821.1	2085.5	2389.1	2750.0	3180.8	3694.7	4302.8	5023.6	5936.0	7000.2	8280.6
22.5°	1877.1	2152.3	2476.3	2862.1	3330.5	3900.5	4584.0	5406.0	6408.1	7593.8	9099.3
20°	1931.3	2224.0	2565.8	2972.9	3465.1	4086.5	4840.3	5760.8	6897.7	8296.3	9965.8
17.5°	1979.4	2287.8	2652.2	3089.9	3621.7	4277.6	5079.8	6071.8	7341.1	8941.0	10802.9
15°	2021.1	2343.5	2727.6	3192.5	3763.9	4469.1	5336.9	6419.2	7808.8	9549.2	11528.7
12.5°	2056.3	2390.9	2791.6	3280.1	3885.0	4630.4	5557.2	6731.6	8258.3	10124.9	12157.0
10°	2084.9	2429.8	2844.1	3352.4	3984.3	4761.1	5738.3	6983.8	8625.6	10588.3	12678.5
7.5°	2109.5	2462.0	2885.1	3408.9	4061.5	4861.0	5879.1	7175.4	8909.9	10951.2	13083.8
5°	2127.9	2487.6	2915.5	3450.0	4114.1	4938.5	5982.6	7306.3	9108.8	11209.3	13369.0
2.5°	2139.5	2504.2	2933.6	3474.9	4142.3	5000.9	6060.5	7407.5	9258.1	11369.0	13562.5
0°	2144.3	2511.7	2939.6	3483.2	4147.7	5033.6	6095.6	7449.7	9327.2	11421.1	13661.1
-2.5°	2139.5	2504.2	2933.6	3474.9	4142.3	5000.9	6060.5	7407.5	9258.1	11369.0	13562.5
-5°	2127.9	2487.6	2915.5	3450.0	4114.1	4938.5	5982.6	7306.3	9108.8	11209.3	13369.0
-7.5°	2109.5	2462.0	2885.1	3408.9	4061.5	4861.0	5879.1	7175.4	8909.9	10951.2	13083.8
-10°	2084.9	2429.8	2844.1	3352.4	3984.3	4761.1	5738.3	6983.8	8625.6	10588.3	12678.5
-12.5°	2056.3	2390.9	2791.6	3280.1	3885.0	4630.4	5557.2	6731.6	8258.3	10124.9	12157.0
-15°	2021.1	2343.5	2727.6	3192.5	3763.9	4469.1	5336.9	6419.2	7808.8	9549.2	11528.7
-17.5°	1979.4	2287.8	2652.2	3089.9	3621.7	4277.6	5079.8	6071.8	7341.1	8941.0	10802.9
-20°	1931.3	2224.0	2565.8	2972.9	3465.1	4086.5	4840.3	5760.8	6897.7	8296.3	9965.8



REPORT NUMBER: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	1877.1	2152.3	2476.3	2862.1	3330.5	3900.5	4584.0	5406.0	6408.1	7593.8	9099.3
-25°	1821.1	2085.5	2389.1	2750.0	3180.8	3694.7	4302.8	5023.6	5936.0	7000.2	8280.6
-27.5°	1764.0	2012.6	2296.5	2625.3	3014.5	3482.3	4042.7	4694.1	5455.9	6358.1	7434.2
-30°	1702.1	1934.0	2195.5	2495.8	2859.8	3286.6	3780.7	4329.6	4974.3	5772.3	6693.7
-32.5°	1635.4	1849.6	2098.0	2377.5	2699.4	3074.1	3504.2	3998.7	4557.9	5189.2	5963.9
-35°	1568.2	1771.3	1997.8	2250.9	2529.9	2872.4	3252.1	3668.7	4142.3	4695.9	5316.3
-37.5°	1503.5	1688.3	1890.5	2124.5	2384.5	2670.9	2992.9	3368.1	3774.8	4212.4	4742.5
-40°	1435.4	1600.9	1790.6	2000.9	2227.9	2478.4	2767.8	3078.0	3425.5	3806.9	4208.4
-42.5°	1365.4	1522.6	1690.8	1869.5	2078.7	2301.1	2538.5	2818.6	3107.1	3420.7	3765.3
-45°	1301.4	1441.4	1589.4	1754.5	1929.1	2125.0	2339.8	2562.0	2818.4	3076.7	3359.4
-47.5°	1234.5	1360.2	1497.8	1635.9	1790.3	1958.7	2140.4	2341.2	2541.4	2770.3	2994.5
-50°	1165.7	1283.8	1400.4	1525.8	1659.1	1801.2	1957.6	2125.8	2304.6	2484.1	2676.8
-52.5°	1097.7	1204.6	1309.6	1415.8	1533.4	1657.5	1787.8	1928.2	2080.4	2232.6	2391.4
-55°	1028.1	1126.9	1219.1	1313.0	1410.4	1519.3	1631.3	1750.4	1868.0	2004.3	2131.3
-57.5°	963.3	1046.8	1129.8	1214.3	1298.4	1383.2	1483.6	1581.7	1687.0	1791.8	1894.4
-60°	901.1	970.0	1040.1	1115.9	1191.9	1266.2	1340.2	1425.7	1512.8	1597.4	1687.9
-62.5°	838.4	897.6	955.2	1016.4	1084.4	1150.0	1214.4	1280.3	1346.9	1422.9	1496.7
-65°	774.6	824.6	875.2	926.0	976.1	1034.6	1090.7	1142.8	1198.8	1261.1	1320.1
-67.5°	708.4	752.7	795.8	838.3	881.8	924.4	969.8	1017.3	1062.2	1112.3	1162.3
-70°	647.1	680.3	717.5	753.8	785.9	817.8	853.0	890.3	931.8	976.8	1019.1
-72.5°	585.2	608.9	636.9	668.8	687.6	701.1	724.2	756.1	796.4	839.5	878.8
-75°	504.8	534.5	553.3	574.3	582.4	581.1	580.4	589.7	631.5	685.6	732.6
-77.5°	411.5	438.0	459.9	477.2	474.6	465.7	456.6	447.1	481.9	530.2	574.9
-80°	324.0	342.2	361.8	377.9	375.1	364.4	348.9	328.9	360.3	407.0	453.9
-82.5°	246.8	260.4	272.7	283.7	279.5	271.4	260.8	247.1	274.7	308.2	342.9
-85°	168.4	178.6	186.8	194.1	189.6	182.8	174.4	164.4	184.2	206.3	229.3
-87.5°	84.2	89.3	94.0	98.1	95.8	92.3	87.7	82.0	91.8	102.1	112.7
-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: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	123.6	124.2	124.3	123.9	123.2	125.5	127.7	129.6	131.3	116.8	101.7
85°	253.1	255.4	256.0	255.8	254.7	256.5	257.7	258.2	257.9	231.6	203.7
82.5°	378.5	391.6	403.5	416.3	429.8	428.4	423.5	416.5	407.5	367.0	323.2
80°	498.1	521.0	538.6	554.6	569.1	565.4	558.2	550.2	541.3	495.1	443.9
77.5°	619.7	648.4	669.1	686.7	701.4	703.4	701.5	698.4	693.9	647.6	593.1
75°	773.0	799.7	819.9	839.9	859.6	870.1	874.8	877.4	877.9	836.6	783.2
72.5°	914.3	945.5	975.4	1004.6	1031.7	1049.3	1061.1	1072.0	1081.6	1061.1	1029.7
70°	1059.8	1098.4	1134.3	1168.8	1202.9	1230.4	1250.1	1266.4	1279.4	1283.6	1285.8
67.5°	1213.1	1260.1	1304.7	1346.8	1388.6	1424.3	1451.1	1475.3	1496.5	1512.6	1523.5
65°	1378.2	1437.4	1493.3	1543.7	1588.9	1634.5	1673.2	1707.2	1736.3	1759.5	1776.9
62.5°	1566.0	1635.8	1703.1	1764.3	1819.3	1874.8	1930.0	1978.2	2019.2	2052.6	2077.8
60°	1773.0	1852.5	1939.2	2020.8	2096.7	2166.7	2235.2	2295.5	2348.0	2392.5	2429.4
57.5°	2004.3	2107.1	2208.6	2314.0	2408.2	2491.1	2578.0	2663.9	2738.0	2800.0	2851.2
55°	2260.8	2393.2	2519.5	2648.8	2774.0	2888.9	2997.8	3111.9	3210.5	3293.0	3360.9
52.5°	2542.1	2714.4	2878.5	3035.6	3204.8	3359.5	3499.2	3650.1	3787.2	3903.8	4005.9
50°	2875.9	3075.9	3291.4	3494.3	3713.1	3925.0	4115.8	4310.4	4502.3	4664.9	4802.3
47.5°	3244.6	3488.6	3769.2	4049.5	4317.3	4606.7	4874.3	5123.8	5383.9	5606.3	5792.0
45°	3651.5	3984.8	4320.9	4692.2	5034.1	5422.6	5787.8	6113.5	6477.3	6802.7	7074.5
42.5°	4129.9	4551.4	4974.6	5452.3	5918.3	6408.1	6925.0	7389.8	7874.7	8344.0	8737.6
40°	4694.1	5194.9	5779.1	6354.1	6999.4	7616.2	8348.4	9000.8	9614.4	10214.0	10720.0
37.5°	5320.3	5982.3	6700.4	7430.6	8312.6	9177.1	10037.8	10850.0	11581.6	12252.1	12784.3
35°	6038.6	6869.2	7726.8	8791.0	9834.9	10894.6	11879.2	12806.1	13637.3	14314.8	14879.1
32.5°	6867.7	7849.6	9030.5	10263.6	11476.9	12650.9	13756.9	14741.1	15608.2	16381.9	17047.9
30°	7741.6	9019.7	10399.8	11779.2	13104.1	14376.5	15561.6	16666.7	17673.6	18542.7	19287.0
27.5°	8767.8	10248.7	11785.2	13261.8	14685.1	16056.7	17405.3	18662.6	19766.1	20680.2	21608.1
25°	9785.6	11482.1	13120.8	14687.3	16223.1	17756.1	19244.7	20656.9	21944.4	23069.5	24068.8
22.5°	10859.4	12631.2	14362.0	16023.7	17765.7	19435.4	21059.1	22672.4	24152.9	25442.8	26574.0
20°	11847.3	13684.8	15516.6	17371.5	19256.7	21068.4	22898.4	24638.9	26287.9	27850.4	29135.9
17.5°	12734.5	14672.7	16599.7	18554.5	20612.5	22664.1	24647.9	26535.4	28418.0	30234.8	31744.4
15°	13527.0	15559.1	17538.9	19666.2	21884.5	24093.8	26303.1	28385.7	30504.4	32516.0	34307.0
12.5°	14226.4	16322.6	18426.9	20688.4	23013.6	25315.7	27734.3	30150.6	32500.1	34670.8	36616.2
10°	14802.3	16985.7	19239.5	21584.7	23992.8	26427.6	29031.8	31623.4	34231.5	36537.6	38653.4
7.5°	15244.0	17480.4	19837.5	22271.9	24817.3	27416.4	30141.4	32875.0	35536.7	38015.1	40228.1
5°	15551.9	17813.0	20232.4	22719.2	25367.8	28089.1	30992.8	33905.3	36622.8	39185.7	41452.4
2.5°	15766.8	18035.1	20481.9	22968.3	25665.2	28483.3	31393.9	34414.4	37195.4	39825.2	42348.6
0°	15911.1	18231.5	20723.2	23179.5	25802.0	28630.9	31595.6	34545.3	37394.3	40253.4	42624.2
-2.5°	15766.8	18035.1	20481.9	22968.3	25665.2	28483.3	31393.9	34414.4	37195.4	39825.2	42348.6
-5°	15551.9	17813.0	20232.4	22719.2	25367.8	28089.1	30992.8	33905.3	36622.8	39185.7	41452.4
-7.5°	15244.0	17480.4	19837.5	22271.9	24817.3	27416.4	30141.4	32875.0	35536.7	38015.1	40228.1
-10°	14802.3	16985.7	19239.5	21584.7	23992.8	26427.6	29031.8	31623.4	34231.5	36537.6	38653.4
-12.5°	14226.4	16322.6	18426.9	20688.4	23013.6	25315.7	27734.3	30150.6	32500.1	34670.8	36616.2
-15°	13527.0	15559.1	17538.9	19666.2	21884.5	24093.8	26303.1	28385.7	30504.4	32516.0	34307.0
-17.5°	12734.5	14672.7	16599.7	18554.5	20612.5	22664.1	24647.9	26535.4	28418.0	30234.8	31744.4
-20°	11847.3	13684.8	15516.6	17371.5	19256.7	21068.4	22898.4	24638.9	26287.9	27850.4	29135.9



REPORT NUMBER: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	10859.4	12631.2	14362.0	16023.7	17765.7	19435.4	21059.1	22672.4	24152.9	25442.8	26574.0
-25°	9785.6	11482.1	13120.8	14687.3	16223.1	17756.1	19244.7	20656.9	21944.4	23069.5	24068.8
-27.5°	8767.8	10248.7	11785.2	13261.8	14685.1	16056.7	17405.3	18662.6	19766.1	20680.2	21608.1
-30°	7741.6	9019.7	10399.8	11779.2	13104.1	14376.5	15561.6	16666.7	17673.6	18542.7	19287.0
-32.5°	6867.7	7849.6	9030.5	10263.6	11476.9	12650.9	13756.9	14741.1	15608.2	16381.9	17047.9
-35°	6038.6	6869.2	7726.8	8791.0	9834.9	10894.6	11879.2	12806.1	13637.3	14314.8	14879.1
-37.5°	5320.3	5982.3	6700.4	7430.6	8312.6	9177.1	10037.8	10850.0	11581.6	12252.1	12784.3
-40°	4694.1	5194.9	5779.1	6354.1	6999.4	7616.2	8348.4	9000.8	9614.4	10214.0	10720.0
-42.5°	4129.9	4551.4	4974.6	5452.3	5918.3	6408.1	6925.0	7389.8	7874.7	8344.0	8737.6
-45°	3651.5	3984.8	4320.9	4692.2	5034.1	5422.6	5787.8	6113.5	6477.3	6802.7	7074.5
-47.5°	3244.6	3488.6	3769.2	4049.5	4317.3	4606.7	4874.3	5123.8	5383.9	5606.3	5792.0
-50°	2875.9	3075.9	3291.4	3494.3	3713.1	3925.0	4115.8	4310.4	4502.3	4664.9	4802.3
-52.5°	2542.1	2714.4	2878.5	3035.6	3204.8	3359.5	3499.2	3650.1	3787.2	3903.8	4005.9
-55°	2260.8	2393.2	2519.5	2648.8	2774.0	2888.9	2997.8	3111.9	3210.5	3293.0	3360.9
-57.5°	2004.3	2107.1	2208.6	2314.0	2408.2	2491.1	2578.0	2663.9	2738.0	2800.0	2851.2
-60°	1773.0	1852.5	1939.2	2020.8	2096.7	2166.7	2235.2	2295.5	2348.0	2392.5	2429.4
-62.5°	1566.0	1635.8	1703.1	1764.3	1819.3	1874.8	1930.0	1978.2	2019.2	2052.6	2077.8
-65°	1378.2	1437.4	1493.3	1543.7	1588.9	1634.5	1673.2	1707.2	1736.3	1759.5	1776.9
-67.5°	1213.1	1260.1	1304.7	1346.8	1388.6	1424.3	1451.1	1475.3	1496.5	1512.6	1523.5
-70°	1059.8	1098.4	1134.3	1168.8	1202.9	1230.4	1250.1	1266.4	1279.4	1283.6	1285.8
-72.5°	914.3	945.5	975.4	1004.6	1031.7	1049.3	1061.1	1072.0	1081.6	1061.1	1029.7
-75°	773.0	799.7	819.9	839.9	859.6	870.1	874.8	877.4	877.9	836.6	783.2
-77.5°	619.7	648.4	669.1	686.7	701.4	703.4	701.5	698.4	693.9	647.6	593.1
-80°	498.1	521.0	538.6	554.6	569.1	565.4	558.2	550.2	541.3	495.1	443.9
-82.5°	378.5	391.6	403.5	416.3	429.8	428.4	423.5	416.5	407.5	367.0	323.2
-85°	253.1	255.4	256.0	255.8	254.7	256.5	257.7	258.2	257.9	231.6	203.7
-87.5°	123.6	124.2	124.3	123.9	123.2	125.5	127.7	129.6	131.3	116.8	101.7
-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: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	86.2	70.3	62.9	55.4	62.9	70.3	86.2	101.7	116.8	131.3	129.6
85°	175.0	145.7	138.3	130.9	138.3	145.7	175.0	203.7	231.6	257.9	258.2
82.5°	277.9	231.3	221.3	211.4	221.3	231.3	277.9	323.2	367.0	407.5	416.5
80°	391.2	337.3	326.9	317.1	326.9	337.3	391.2	443.9	495.1	541.3	550.2
77.5°	536.6	478.4	462.8	448.0	462.8	478.4	536.6	593.1	647.6	693.9	698.4
75°	727.5	669.4	656.2	644.3	656.2	669.4	727.5	783.2	836.6	877.9	877.4
72.5°	997.0	962.3	931.0	896.0	931.0	962.3	997.0	1029.7	1061.1	1081.6	1072.0
70°	1288.3	1289.4	1284.1	1273.5	1284.1	1289.4	1288.3	1285.8	1283.6	1279.4	1266.4
67.5°	1530.2	1532.8	1540.3	1545.3	1540.3	1532.8	1530.2	1523.5	1512.6	1496.5	1475.3
65°	1789.5	1797.2	1808.8	1817.1	1808.8	1797.2	1789.5	1776.9	1759.5	1736.3	1707.2
62.5°	2095.8	2106.5	2115.6	2119.1	2115.6	2106.5	2095.8	2077.8	2052.6	2019.2	1978.2
60°	2458.2	2478.4	2496.1	2506.7	2496.1	2478.4	2458.2	2429.4	2392.5	2348.0	2295.5
57.5°	2890.0	2916.4	2941.6	2959.7	2941.6	2916.4	2890.0	2851.2	2800.0	2738.0	2663.9
55°	3412.4	3447.5	3462.4	3458.1	3462.4	3447.5	3412.4	3360.9	3293.0	3210.5	3111.9
52.5°	4089.9	4152.9	4179.8	4172.8	4179.8	4152.9	4089.9	4005.9	3903.8	3787.2	3650.1
50°	4910.8	4987.4	5024.4	5023.5	5024.4	4987.4	4910.8	4802.3	4664.9	4502.3	4310.4
47.5°	5939.7	6045.4	6110.7	6135.9	6110.7	6045.4	5939.7	5792.0	5606.3	5383.9	5123.8
45°	7290.0	7445.3	7530.5	7540.3	7530.5	7445.3	7290.0	7074.5	6802.7	6477.3	6113.5
42.5°	9041.2	9258.2	9383.3	9412.8	9383.3	9258.2	9041.2	8737.6	8344.0	7874.7	7389.8
40°	11098.5	11363.9	11537.8	11652.7	11537.8	11363.9	11098.5	10720.0	10214.0	9614.4	9000.8
37.5°	13216.6	13561.8	13782.0	13817.1	13782.0	13561.8	13216.6	12784.3	12252.1	11581.6	10850.0
35°	15349.4	15703.8	15918.9	16011.7	15918.9	15703.8	15349.4	14879.1	14314.8	13637.3	12806.1
32.5°	17576.2	17977.0	18226.2	18352.4	18226.2	17977.0	17576.2	17047.9	16381.9	15608.2	14741.1
30°	19902.3	20379.8	20685.2	20859.1	20685.2	20379.8	19902.3	19287.0	18542.7	17673.6	16666.7
27.5°	22348.3	22919.3	23297.0	23441.3	23297.0	22919.3	22348.3	21608.1	20680.2	19766.1	18662.6
25°	24870.7	25488.1	25911.7	26149.3	25911.7	25488.1	24870.7	24068.8	23069.5	21944.4	20656.9
22.5°	27505.0	28238.1	28786.0	29048.7	28786.0	28238.1	27505.0	26574.0	25442.8	24152.9	22672.4
20°	30221.7	31023.7	31658.9	31932.9	31658.9	31023.7	30221.7	29135.9	27850.4	26287.9	24638.9
17.5°	32991.0	33967.4	34678.4	35023.5	34678.4	33967.4	32991.0	31744.4	30234.8	28418.0	26535.4
15°	35678.3	36713.3	37484.3	37857.4	37484.3	36713.3	35678.3	34307.0	32516.0	30504.4	28385.7
12.5°	38168.0	39266.8	40038.1	40575.5	40038.1	39266.8	38168.0	36616.2	34670.8	32500.1	30150.6
10°	40392.3	41590.9	42373.9	42931.2	42373.9	41590.9	40392.3	38653.4	36537.6	34231.5	31623.4
7.5°	42059.0	43574.0	44457.7	45005.0	44457.7	43574.0	42059.0	40228.1	38015.1	35536.7	32875.0
5°	43341.1	45009.2	45810.4	46328.9	45810.4	45009.2	43341.1	41452.4	39185.7	36622.8	33905.3
2.5°	44277.1	45592.3	46597.4	47114.1	46597.4	45592.3	44277.1	42348.6	39825.2	37195.4	34414.4
0°	44642.6	46193.0	46902.7	47239.9	46902.7	46193.0	44642.6	42624.2	40253.4	37394.3	34545.3
-2.5°	44277.1	45592.3	46597.4	47114.1	46597.4	45592.3	44277.1	42348.6	39825.2	37195.4	34414.4
-5°	43341.1	45009.2	45810.4	46328.9	45810.4	45009.2	43341.1	41452.4	39185.7	36622.8	33905.3
-7.5°	42059.0	43574.0	44457.7	45005.0	44457.7	43574.0	42059.0	40228.1	38015.1	35536.7	32875.0
-10°	40392.3	41590.9	42373.9	42931.2	42373.9	41590.9	40392.3	38653.4	36537.6	34231.5	31623.4
-12.5°	38168.0	39266.8	40038.1	40575.5	40038.1	39266.8	38168.0	36616.2	34670.8	32500.1	30150.6
-15°	35678.3	36713.3	37484.3	37857.4	37484.3	36713.3	35678.3	34307.0	32516.0	30504.4	28385.7
-17.5°	32991.0	33967.4	34678.4	35023.5	34678.4	33967.4	32991.0	31744.4	30234.8	28418.0	26535.4
-20°	30221.7	31023.7	31658.9	31932.9	31658.9	31023.7	30221.7	29135.9	27850.4	26287.9	24638.9



REPORT NUMBER: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	27505.0	28238.1	28786.0	29048.7	28786.0	28238.1	27505.0	26574.0	25442.8	24152.9	22672.4
-25°	24870.7	25488.1	25911.7	26149.3	25911.7	25488.1	24870.7	24068.8	23069.5	21944.4	20656.9
-27.5°	22348.3	22919.3	23297.0	23441.3	23297.0	22919.3	22348.3	21608.1	20680.2	19766.1	18662.6
-30°	19902.3	20379.8	20685.2	20859.1	20685.2	20379.8	19902.3	19287.0	18542.7	17673.6	16666.7
-32.5°	17576.2	17977.0	18226.2	18352.4	18226.2	17977.0	17576.2	17047.9	16381.9	15608.2	14741.1
-35°	15349.4	15703.8	15918.9	16011.7	15918.9	15703.8	15349.4	14879.1	14314.8	13637.3	12806.1
-37.5°	13216.6	13561.8	13782.0	13817.1	13782.0	13561.8	13216.6	12784.3	12252.1	11581.6	10850.0
-40°	11098.5	11363.9	11537.8	11652.7	11537.8	11363.9	11098.5	10720.0	10214.0	9614.4	9000.8
-42.5°	9041.2	9258.2	9383.3	9412.8	9383.3	9258.2	9041.2	8737.6	8344.0	7874.7	7389.8
-45°	7290.0	7445.3	7530.5	7540.3	7530.5	7445.3	7290.0	7074.5	6802.7	6477.3	6113.5
-47.5°	5939.7	6045.4	6110.7	6135.9	6110.7	6045.4	5939.7	5792.0	5606.3	5383.9	5123.8
-50°	4910.8	4987.4	5024.4	5023.5	5024.4	4987.4	4910.8	4802.3	4664.9	4502.3	4310.4
-52.5°	4089.9	4152.9	4179.8	4172.8	4179.8	4152.9	4089.9	4005.9	3903.8	3787.2	3650.1
-55°	3412.4	3447.5	3462.4	3458.1	3462.4	3447.5	3412.4	3360.9	3293.0	3210.5	3111.9
-57.5°	2890.0	2916.4	2941.6	2959.7	2941.6	2916.4	2890.0	2851.2	2800.0	2738.0	2663.9
-60°	2458.2	2478.4	2496.1	2506.7	2496.1	2478.4	2458.2	2429.4	2392.5	2348.0	2295.5
-62.5°	2095.8	2106.5	2115.6	2119.1	2115.6	2106.5	2095.8	2077.8	2052.6	2019.2	1978.2
-65°	1789.5	1797.2	1808.8	1817.1	1808.8	1797.2	1789.5	1776.9	1759.5	1736.3	1707.2
-67.5°	1530.2	1532.8	1540.3	1545.3	1540.3	1532.8	1530.2	1523.5	1512.6	1496.5	1475.3
-70°	1288.3	1289.4	1284.1	1273.5	1284.1	1289.4	1288.3	1285.8	1283.6	1279.4	1266.4
-72.5°	997.0	962.3	931.0	896.0	931.0	962.3	997.0	1029.7	1061.1	1081.6	1072.0
-75°	727.5	669.4	656.2	644.3	656.2	669.4	727.5	783.2	836.6	877.9	877.4
-77.5°	536.6	478.4	462.8	448.0	462.8	478.4	536.6	593.1	647.6	693.9	698.4
-80°	391.2	337.3	326.9	317.1	326.9	337.3	391.2	443.9	495.1	541.3	550.2
-82.5°	277.9	231.3	221.3	211.4	221.3	231.3	277.9	323.2	367.0	407.5	416.5
-85°	175.0	145.7	138.3	130.9	138.3	145.7	175.0	203.7	231.6	257.9	258.2
-87.5°	86.2	70.3	62.9	55.4	62.9	70.3	86.2	101.7	116.8	131.3	129.6
-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: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	127.7	125.5	123.2	123.9	124.3	124.2	123.6	112.7	102.1	91.8	82.0
85°	257.7	256.5	254.7	255.8	256.0	255.4	253.1	229.3	206.3	184.2	164.4
82.5°	423.5	428.4	429.8	416.3	403.5	391.6	378.5	342.9	308.2	274.7	247.1
80°	558.2	565.4	569.1	554.6	538.6	521.0	498.1	453.9	407.0	360.3	328.9
77.5°	701.5	703.4	701.4	686.7	669.1	648.4	619.7	574.9	530.2	481.9	447.1
75°	874.8	870.1	859.6	839.9	819.9	799.7	773.0	732.6	685.6	631.5	589.7
72.5°	1061.1	1049.3	1031.7	1004.6	975.4	945.5	914.3	878.8	839.5	796.4	756.1
70°	1250.1	1230.4	1202.9	1168.8	1134.3	1098.4	1059.8	1019.1	976.8	931.8	890.3
67.5°	1451.1	1424.3	1388.6	1346.8	1304.7	1260.1	1213.1	1162.3	1112.3	1062.2	1017.3
65°	1673.2	1634.5	1588.9	1543.7	1493.3	1437.4	1378.2	1320.1	1261.1	1198.8	1142.8
62.5°	1930.0	1874.8	1819.3	1764.3	1703.1	1635.8	1566.0	1496.7	1422.9	1346.9	1280.3
60°	2235.2	2166.7	2096.7	2020.8	1939.2	1852.5	1773.0	1687.9	1597.4	1512.8	1425.7
57.5°	2578.0	2491.1	2408.2	2314.0	2208.6	2107.1	2004.3	1894.4	1791.8	1687.0	1581.7
55°	2997.8	2888.9	2774.0	2648.8	2519.5	2393.2	2260.8	2131.3	2004.3	1868.0	1750.4
52.5°	3499.2	3359.5	3204.8	3035.6	2878.5	2714.4	2542.1	2391.4	2232.6	2080.4	1928.2
50°	4115.8	3925.0	3713.1	3494.3	3291.4	3075.9	2875.9	2676.8	2484.1	2304.6	2125.8
47.5°	4874.3	4606.7	4317.3	4049.5	3769.2	3488.6	3244.6	2994.5	2770.3	2541.4	2341.2
45°	5787.8	5422.6	5034.1	4692.2	4320.9	3984.8	3651.5	3359.4	3076.7	2818.4	2562.0
42.5°	6925.0	6408.1	5918.3	5452.3	4974.6	4551.4	4129.9	3765.3	3420.7	3107.1	2818.6
40°	8348.4	7616.2	6999.4	6354.1	5779.1	5194.9	4694.1	4208.4	3806.9	3425.5	3078.0
37.5°	10037.8	9177.1	8312.6	7430.6	6700.4	5982.3	5320.3	4742.5	4212.4	3774.8	3368.1
35°	11879.2	10894.6	9834.9	8791.0	7726.8	6869.2	6038.6	5316.3	4695.9	4142.3	3668.7
32.5°	13756.9	12650.9	11476.9	10263.6	9030.5	7849.6	6867.7	5963.9	5189.2	4557.9	3998.7
30°	15561.6	14376.5	13104.1	11779.2	10399.8	9019.7	7741.6	6693.7	5772.3	4974.3	4329.6
27.5°	17405.3	16056.7	14685.1	13261.8	11785.2	10248.7	8767.8	7434.2	6358.1	5455.9	4694.1
25°	19244.7	17756.1	16223.1	14687.3	13120.8	11482.1	9785.6	8280.6	7000.2	5936.0	5023.6
22.5°	21059.1	19435.4	17765.7	16023.7	14362.0	12631.2	10859.4	9099.3	7593.8	6408.1	5406.0
20°	22898.4	21068.4	19256.7	17371.5	15516.6	13684.8	11847.3	9965.8	8296.3	6897.7	5760.8
17.5°	24647.9	22664.1	20612.5	18554.5	16599.7	14672.7	12734.5	10802.9	8941.0	7341.1	6071.8
15°	26303.1	24093.8	21884.5	19666.2	17538.9	15559.1	13527.0	11528.7	9549.2	7808.8	6419.2
12.5°	27734.3	25315.7	23013.6	20688.4	18426.9	16322.6	14226.4	12157.0	10124.9	8258.3	6731.6
10°	29031.8	26427.6	23992.8	21584.7	19239.5	16985.7	14802.3	12678.5	10588.3	8625.6	6983.8
7.5°	30141.4	27416.4	24817.3	22271.9	19837.5	17480.4	15244.0	13083.8	10951.2	8909.9	7175.4
5°	30992.8	28089.1	25367.8	22719.2	20232.4	17813.0	15551.9	13369.0	11209.3	9108.8	7306.3
2.5°	31393.9	28483.3	25665.2	22968.3	20481.9	18035.1	15766.8	13562.5	11369.0	9258.1	7407.5
0°	31595.6	28630.9	25802.0	23179.5	20723.2	18231.5	15911.1	13661.1	11421.1	9327.2	7449.7
-2.5°	31393.9	28483.3	25665.2	22968.3	20481.9	18035.1	15766.8	13562.5	11369.0	9258.1	7407.5
-5°	30992.8	28089.1	25367.8	22719.2	20232.4	17813.0	15551.9	13369.0	11209.3	9108.8	7306.3
-7.5°	30141.4	27416.4	24817.3	22271.9	19837.5	17480.4	15244.0	13083.8	10951.2	8909.9	7175.4
-10°	29031.8	26427.6	23992.8	21584.7	19239.5	16985.7	14802.3	12678.5	10588.3	8625.6	6983.8
-12.5°	27734.3	25315.7	23013.6	20688.4	18426.9	16322.6	14226.4	12157.0	10124.9	8258.3	6731.6
-15°	26303.1	24093.8	21884.5	19666.2	17538.9	15559.1	13527.0	11528.7	9549.2	7808.8	6419.2
-17.5°	24647.9	22664.1	20612.5	18554.5	16599.7	14672.7	12734.5	10802.9	8941.0	7341.1	6071.8
-20°	22898.4	21068.4	19256.7	17371.5	15516.6	13684.8	11847.3	9965.8	8296.3	6897.7	5760.8



REPORT NUMBER: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	21059.1	19435.4	17765.7	16023.7	14362.0	12631.2	10859.4	9099.3	7593.8	6408.1	5406.0
-25°	19244.7	17756.1	16223.1	14687.3	13120.8	11482.1	9785.6	8280.6	7000.2	5936.0	5023.6
-27.5°	17405.3	16056.7	14685.1	13261.8	11785.2	10248.7	8767.8	7434.2	6358.1	5455.9	4694.1
-30°	15561.6	14376.5	13104.1	11779.2	10399.8	9019.7	7741.6	6693.7	5772.3	4974.3	4329.6
-32.5°	13756.9	12650.9	11476.9	10263.6	9030.5	7849.6	6867.7	5963.9	5189.2	4557.9	3998.7
-35°	11879.2	10894.6	9834.9	8791.0	7726.8	6869.2	6038.6	5316.3	4695.9	4142.3	3668.7
-37.5°	10037.8	9177.1	8312.6	7430.6	6700.4	5982.3	5320.3	4742.5	4212.4	3774.8	3368.1
-40°	8348.4	7616.2	6999.4	6354.1	5779.1	5194.9	4694.1	4208.4	3806.9	3425.5	3078.0
-42.5°	6925.0	6408.1	5918.3	5452.3	4974.6	4551.4	4129.9	3765.3	3420.7	3107.1	2818.6
-45°	5787.8	5422.6	5034.1	4692.2	4320.9	3984.8	3651.5	3359.4	3076.7	2818.4	2562.0
-47.5°	4874.3	4606.7	4317.3	4049.5	3769.2	3488.6	3244.6	2994.5	2770.3	2541.4	2341.2
-50°	4115.8	3925.0	3713.1	3494.3	3291.4	3075.9	2875.9	2676.8	2484.1	2304.6	2125.8
-52.5°	3499.2	3359.5	3204.8	3035.6	2878.5	2714.4	2542.1	2391.4	2232.6	2080.4	1928.2
-55°	2997.8	2888.9	2774.0	2648.8	2519.5	2393.2	2260.8	2131.3	2004.3	1868.0	1750.4
-57.5°	2578.0	2491.1	2408.2	2314.0	2208.6	2107.1	2004.3	1894.4	1791.8	1687.0	1581.7
-60°	2235.2	2166.7	2096.7	2020.8	1939.2	1852.5	1773.0	1687.9	1597.4	1512.8	1425.7
-62.5°	1930.0	1874.8	1819.3	1764.3	1703.1	1635.8	1566.0	1496.7	1422.9	1346.9	1280.3
-65°	1673.2	1634.5	1588.9	1543.7	1493.3	1437.4	1378.2	1320.1	1261.1	1198.8	1142.8
-67.5°	1451.1	1424.3	1388.6	1346.8	1304.7	1260.1	1213.1	1162.3	1112.3	1062.2	1017.3
-70°	1250.1	1230.4	1202.9	1168.8	1134.3	1098.4	1059.8	1019.1	976.8	931.8	890.3
-72.5°	1061.1	1049.3	1031.7	1004.6	975.4	945.5	914.3	878.8	839.5	796.4	756.1
-75°	874.8	870.1	859.6	839.9	819.9	799.7	773.0	732.6	685.6	631.5	589.7
-77.5°	701.5	703.4	701.4	686.7	669.1	648.4	619.7	574.9	530.2	481.9	447.1
-80°	558.2	565.4	569.1	554.6	538.6	521.0	498.1	453.9	407.0	360.3	328.9
-82.5°	423.5	428.4	429.8	416.3	403.5	391.6	378.5	342.9	308.2	274.7	247.1
-85°	257.7	256.5	254.7	255.8	256.0	255.4	253.1	229.3	206.3	184.2	164.4
-87.5°	127.7	125.5	123.2	123.9	124.3	124.2	123.6	112.7	102.1	91.8	82.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	87.7	92.3	95.8	98.1	94.0	89.3	84.2	78.7	72.7	66.3	59.4
85°	174.4	182.8	189.6	194.1	186.8	178.6	168.4	157.3	145.3	132.5	118.7
82.5°	260.8	271.4	279.5	283.7	272.7	260.4	246.8	231.9	215.5	198.1	177.9
80°	348.9	364.4	375.1	377.9	361.8	342.2	324.0	303.9	281.7	258.1	233.2
77.5°	456.6	465.7	474.6	477.2	459.9	438.0	411.5	379.3	347.6	317.8	286.4
75°	580.4	581.1	582.4	574.3	553.3	534.5	504.8	464.8	417.1	377.0	339.2
72.5°	724.2	701.1	687.6	668.8	636.9	608.9	585.2	547.9	486.4	433.6	389.7
70°	853.0	817.8	785.9	753.8	717.5	680.3	647.1	605.4	553.0	488.4	433.5
67.5°	969.8	924.4	881.8	838.3	795.8	752.7	708.4	656.4	599.4	540.9	475.7
65°	1090.7	1034.6	976.1	926.0	875.2	824.6	774.6	708.7	645.0	581.8	516.1
62.5°	1214.4	1150.0	1084.4	1016.4	955.2	897.6	838.4	765.2	691.0	621.9	552.4
60°	1340.2	1266.2	1191.9	1115.9	1040.1	970.0	901.1	820.4	740.8	661.2	587.0
57.5°	1483.6	1383.2	1298.4	1214.3	1129.8	1046.8	963.3	876.8	789.2	703.3	618.8
55°	1631.3	1519.3	1410.4	1313.0	1219.1	1126.9	1028.1	933.4	837.4	745.2	644.0
52.5°	1787.8	1657.5	1533.4	1415.8	1309.6	1204.6	1097.7	988.9	887.9	785.7	670.4
50°	1957.6	1801.2	1659.1	1525.8	1400.4	1283.8	1165.7	1050.2	937.2	826.4	695.0
47.5°	2140.4	1958.7	1790.3	1635.9	1497.8	1360.2	1234.5	1110.6	985.4	869.3	717.4
45°	2339.8	2125.0	1929.1	1754.5	1589.4	1441.4	1301.4	1169.3	1038.0	899.4	737.4
42.5°	2538.5	2301.1	2078.7	1869.5	1690.8	1522.6	1365.4	1227.0	1089.0	927.3	758.9
40°	2767.8	2478.4	2227.9	2000.9	1790.6	1600.9	1435.4	1282.1	1136.4	955.2	781.3
37.5°	2992.9	2670.9	2384.5	2124.5	1890.5	1688.3	1503.5	1334.4	1172.0	985.4	801.9
35°	3252.1	2872.4	2529.9	2250.9	1997.8	1771.3	1568.2	1387.0	1209.7	1014.2	820.5
32.5°	3504.2	3074.1	2699.4	2377.5	2098.0	1849.6	1635.4	1441.0	1249.0	1041.5	837.1
30°	3780.7	3286.6	2859.8	2495.8	2195.5	1934.0	1702.1	1492.4	1289.8	1067.0	853.1
27.5°	4042.7	3482.3	3014.5	2625.3	2296.5	2012.6	1764.0	1541.1	1331.7	1093.6	871.7
25°	4302.8	3694.7	3180.8	2750.0	2389.1	2085.5	1821.1	1587.0	1371.8	1124.2	888.2
22.5°	4584.0	3900.5	3330.5	2862.1	2476.3	2152.3	1877.1	1633.7	1408.1	1154.0	902.5
20°	4840.3	4086.5	3465.1	2972.9	2565.8	2224.0	1931.3	1675.7	1441.1	1182.6	914.5
17.5°	5079.8	4277.6	3621.7	3089.9	2652.2	2287.8	1979.4	1712.9	1470.8	1209.4	924.0
15°	5336.9	4469.1	3763.9	3192.5	2727.6	2343.5	2021.1	1745.1	1496.9	1234.0	933.0
12.5°	5557.2	4630.4	3885.0	3280.1	2791.6	2390.9	2056.3	1772.2	1519.2	1255.9	941.3
10°	5738.3	4761.1	3984.3	3352.4	2844.1	2429.8	2084.9	1794.6	1536.3	1274.0	946.1
7.5°	5879.1	4861.0	4061.5	3408.9	2885.1	2462.0	2109.5	1812.9	1549.0	1287.7	947.4
5°	5982.6	4938.5	4114.1	3450.0	2915.5	2487.6	2127.9	1826.2	1557.3	1296.6	945.3
2.5°	6060.5	5000.9	4142.3	3474.9	2933.6	2504.2	2139.5	1834.4	1561.2	1300.4	939.9
0°	6095.6	5033.6	4147.7	3483.2	2939.6	2511.7	2144.3	1837.2	1560.4	1298.7	931.2
-2.5°	6060.5	5000.9	4142.3	3474.9	2933.6	2504.2	2139.5	1834.4	1561.2	1300.4	939.9
-5°	5982.6	4938.5	4114.1	3450.0	2915.5	2487.6	2127.9	1826.2	1557.3	1296.6	945.3
-7.5°	5879.1	4861.0	4061.5	3408.9	2885.1	2462.0	2109.5	1812.9	1549.0	1287.7	947.4
-10°	5738.3	4761.1	3984.3	3352.4	2844.1	2429.8	2084.9	1794.6	1536.3	1274.0	946.1
-12.5°	5557.2	4630.4	3885.0	3280.1	2791.6	2390.9	2056.3	1772.2	1519.2	1255.9	941.3
-15°	5336.9	4469.1	3763.9	3192.5	2727.6	2343.5	2021.1	1745.1	1496.9	1234.0	933.0
-17.5°	5079.8	4277.6	3621.7	3089.9	2652.2	2287.8	1979.4	1712.9	1470.8	1209.4	924.0
-20°	4840.3	4086.5	3465.1	2972.9	2565.8	2224.0	1931.3	1675.7	1441.1	1182.6	914.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	4584.0	3900.5	3330.5	2862.1	2476.3	2152.3	1877.1	1633.7	1408.1	1154.0	902.5
-25°	4302.8	3694.7	3180.8	2750.0	2389.1	2085.5	1821.1	1587.0	1371.8	1124.2	888.2
-27.5°	4042.7	3482.3	3014.5	2625.3	2296.5	2012.6	1764.0	1541.1	1331.7	1093.6	871.7
-30°	3780.7	3286.6	2859.8	2495.8	2195.5	1934.0	1702.1	1492.4	1289.8	1067.0	853.1
-32.5°	3504.2	3074.1	2699.4	2377.5	2098.0	1849.6	1635.4	1441.0	1249.0	1041.5	837.1
-35°	3252.1	2872.4	2529.9	2250.9	1997.8	1771.3	1568.2	1387.0	1209.7	1014.2	820.5
-37.5°	2992.9	2670.9	2384.5	2124.5	1890.5	1688.3	1503.5	1334.4	1172.0	985.4	801.9
-40°	2767.8	2478.4	2227.9	2000.9	1790.6	1600.9	1435.4	1282.1	1136.4	955.2	781.3
-42.5°	2538.5	2301.1	2078.7	1869.5	1690.8	1522.6	1365.4	1227.0	1089.0	927.3	758.9
-45°	2339.8	2125.0	1929.1	1754.5	1589.4	1441.4	1301.4	1169.3	1038.0	899.4	737.4
-47.5°	2140.4	1958.7	1790.3	1635.9	1497.8	1360.2	1234.5	1110.6	985.4	869.3	717.4
-50°	1957.6	1801.2	1659.1	1525.8	1400.4	1283.8	1165.7	1050.2	937.2	826.4	695.0
-52.5°	1787.8	1657.5	1533.4	1415.8	1309.6	1204.6	1097.7	988.9	887.9	785.7	670.4
-55°	1631.3	1519.3	1410.4	1313.0	1219.1	1126.9	1028.1	933.4	837.4	745.2	644.0
-57.5°	1483.6	1383.2	1298.4	1214.3	1129.8	1046.8	963.3	876.8	789.2	703.3	618.8
-60°	1340.2	1266.2	1191.9	1115.9	1040.1	970.0	901.1	820.4	740.8	661.2	587.0
-62.5°	1214.4	1150.0	1084.4	1016.4	955.2	897.6	838.4	765.2	691.0	621.9	552.4
-65°	1090.7	1034.6	976.1	926.0	875.2	824.6	774.6	708.7	645.0	581.8	516.1
-67.5°	969.8	924.4	881.8	838.3	795.8	752.7	708.4	656.4	599.4	540.9	475.7
-70°	853.0	817.8	785.9	753.8	717.5	680.3	647.1	605.4	553.0	488.4	433.5
-72.5°	724.2	701.1	687.6	668.8	636.9	608.9	585.2	547.9	486.4	433.6	389.7
-75°	580.4	581.1	582.4	574.3	553.3	534.5	504.8	464.8	417.1	377.0	339.2
-77.5°	456.6	465.7	474.6	477.2	459.9	438.0	411.5	379.3	347.6	317.8	286.4
-80°	348.9	364.4	375.1	377.9	361.8	342.2	324.0	303.9	281.7	258.1	233.2
-82.5°	260.8	271.4	279.5	283.7	272.7	260.4	246.8	231.9	215.5	198.1	177.9
-85°	174.4	182.8	189.6	194.1	186.8	178.6	168.4	157.3	145.3	132.5	118.7
-87.5°	87.7	92.3	95.8	98.1	94.0	89.3	84.2	78.7	72.7	66.3	59.4
-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: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-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°	52.1	39.5	28.4	18.9	11.0	4.9	0.0
85°	103.9	78.7	56.6	37.7	21.9	9.9	0.0
82.5°	155.2	117.6	84.6	56.3	32.7	14.8	0.0
80°	205.1	156.0	112.3	74.7	43.5	19.6	0.0
77.5°	249.4	191.7	139.4	92.8	54.1	24.4	0.0
75°	292.3	223.0	165.0	110.6	64.6	29.2	0.0
72.5°	333.7	253.1	185.6	127.8	74.9	33.9	0.0
70°	372.1	281.9	205.3	143.8	84.9	38.5	0.0
67.5°	401.2	309.2	224.1	155.5	94.7	43.0	0.0
65°	428.8	332.8	241.8	166.7	104.2	47.4	0.0
62.5°	454.8	353.1	258.3	177.1	113.5	51.6	0.0
60°	479.1	372.2	273.5	186.8	122.3	55.8	0.0
57.5°	501.8	389.8	286.8	195.8	128.2	59.8	0.0
55°	522.8	406.0	299.1	203.9	133.8	63.6	0.0
52.5°	542.4	420.9	310.2	211.1	139.2	67.4	0.0
50°	560.2	435.6	320.3	217.4	144.3	70.9	0.0
47.5°	576.8	448.9	329.3	223.1	149.2	74.3	0.0
45°	593.7	460.8	337.1	228.9	153.8	77.5	0.0
42.5°	608.7	471.3	343.8	233.9	158.2	80.5	0.0
40°	621.7	480.4	350.2	240.3	162.3	83.3	0.0
37.5°	632.6	488.1	356.4	247.2	166.1	85.9	0.0
35°	641.6	495.3	361.6	253.5	169.7	88.4	0.0
32.5°	650.5	501.4	365.6	259.3	172.9	90.6	0.0
30°	662.3	505.8	368.5	264.5	175.9	92.6	0.0
27.5°	672.2	508.7	375.4	269.1	178.5	94.5	0.0
25°	680.1	510.0	381.8	273.2	180.8	96.1	0.0
22.5°	686.0	512.3	387.3	276.7	182.8	97.5	0.0
20°	689.9	519.8	391.8	279.6	184.5	98.7	0.0
17.5°	697.1	526.2	395.2	281.9	185.9	99.6	0.0
15°	704.9	531.6	397.7	283.7	186.9	100.4	0.0
12.5°	710.1	535.9	399.2	284.8	187.6	101.0	0.0
10°	712.6	539.0	399.7	285.4	188.0	101.3	0.0
7.5°	712.8	540.8	399.3	285.4	188.0	101.5	0.0
5°	710.5	541.4	398.0	284.8	187.7	101.4	0.0
2.5°	706.1	540.7	395.7	283.6	187.1	101.2	0.0
0°	699.7	538.6	392.6	281.9	186.2	100.7	0.0
-2.5°	706.1	540.7	395.7	283.6	187.1	101.2	0.0
-5°	710.5	541.4	398.0	284.8	187.7	101.4	0.0
-7.5°	712.8	540.8	399.3	285.4	188.0	101.5	0.0
-10°	712.6	539.0	399.7	285.4	188.0	101.3	0.0
-12.5°	710.1	535.9	399.2	284.8	187.6	101.0	0.0
-15°	704.9	531.6	397.7	283.7	186.9	100.4	0.0
-17.5°	697.1	526.2	395.2	281.9	185.9	99.6	0.0
-20°	689.9	519.8	391.8	279.6	184.5	98.7	0.0

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REPORT NUMBER: P624774 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-66

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	686.0	512.3	387.3	276.7	182.8	97.5	0.0
-25°	680.1	510.0	381.8	273.2	180.8	96.1	0.0
-27.5°	672.2	508.7	375.4	269.1	178.5	94.5	0.0
-30°	662.3	505.8	368.5	264.5	175.9	92.6	0.0
-32.5°	650.5	501.4	365.6	259.3	172.9	90.6	0.0
-35°	641.6	495.3	361.6	253.5	169.7	88.4	0.0
-37.5°	632.6	488.1	356.4	247.2	166.1	85.9	0.0
-40°	621.7	480.4	350.2	240.3	162.3	83.3	0.0
-42.5°	608.7	471.3	343.8	233.9	158.2	80.5	0.0
-45°	593.7	460.8	337.1	228.9	153.8	77.5	0.0
-47.5°	576.8	448.9	329.3	223.1	149.2	74.3	0.0
-50°	560.2	435.6	320.3	217.4	144.3	70.9	0.0
-52.5°	542.4	420.9	310.2	211.1	139.2	67.4	0.0
-55°	522.8	406.0	299.1	203.9	133.8	63.6	0.0
-57.5°	501.8	389.8	286.8	195.8	128.2	59.8	0.0
-60°	479.1	372.2	273.5	186.8	122.3	55.8	0.0
-62.5°	454.8	353.1	258.3	177.1	113.5	51.6	0.0
-65°	428.8	332.8	241.8	166.7	104.2	47.4	0.0
-67.5°	401.2	309.2	224.1	155.5	94.7	43.0	0.0
-70°	372.1	281.9	205.3	143.8	84.9	38.5	0.0
-72.5°	333.7	253.1	185.6	127.8	74.9	33.9	0.0
-75°	292.3	223.0	165.0	110.6	64.6	29.2	0.0
-77.5°	249.4	191.7	139.4	92.8	54.1	24.4	0.0
-80°	205.1	156.0	112.3	74.7	43.5	19.6	0.0
-82.5°	155.2	117.6	84.6	56.3	32.7	14.8	0.0
-85°	103.9	78.7	56.6	37.7	21.9	9.9	0.0
-87.5°	52.1	39.5	28.4	18.9	11.0	4.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)