

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: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-4000K-44**

Issue Date: 11/8/2022

Test Information

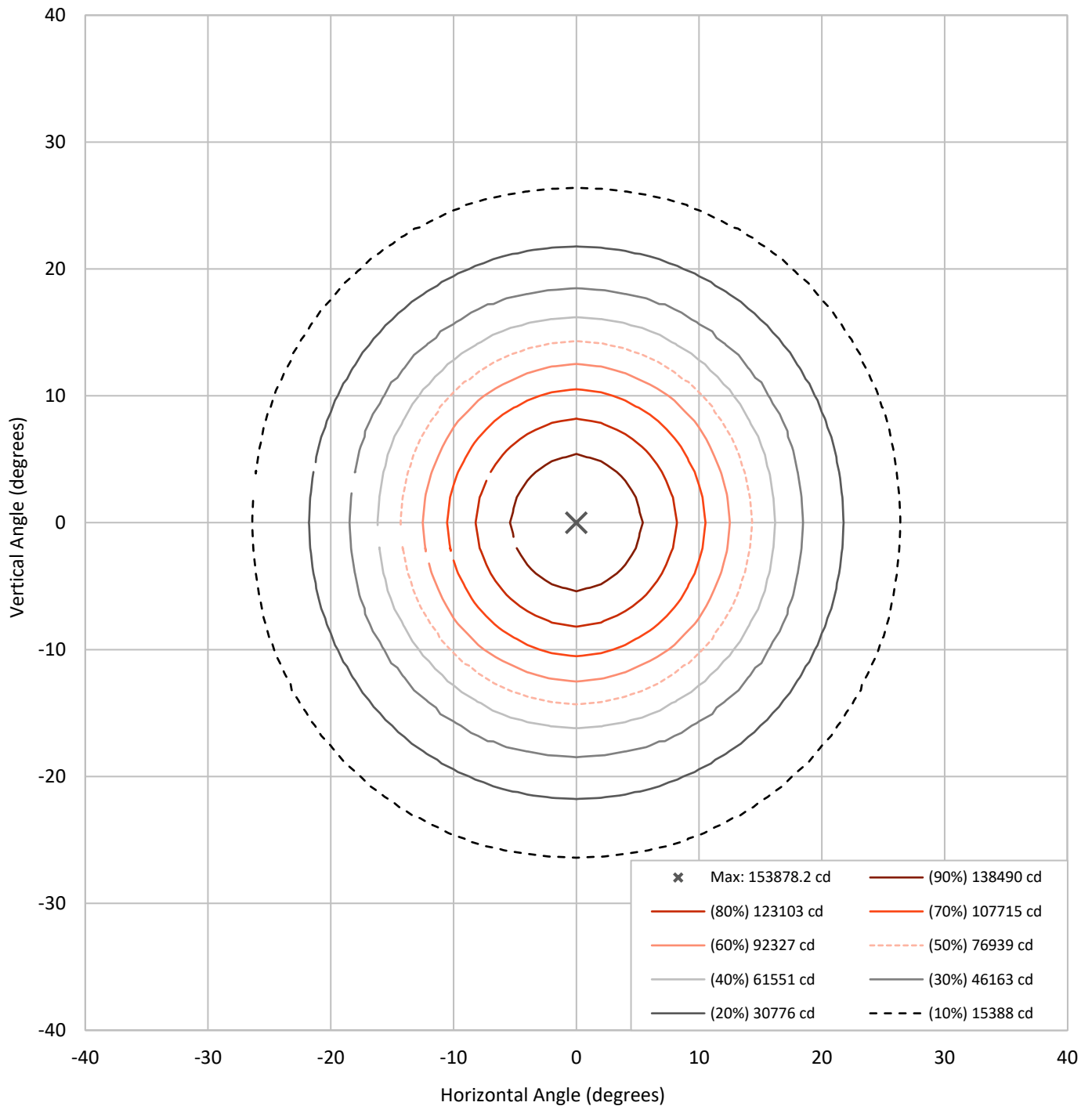
Test Method: LM-79-08
 Report Number: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-8)
 Test Lab: INNOVATION CENTER
 Issue Date: 11/8/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: EPHESUS
 Catalog Number: EPH-VN-06-E-PRO-4000K-44
 Description: EPHESUS LUMAVISION CCT TUNING FLOOD
 3000K AND TYPE 44 OPTICS
 Light Source: -
 Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	47579.8 lumens	Max Intensity:	153878.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	127.1 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	28.6°H x 28.6°V	Field Angle (10%):	52.7°H x 52.7°V
Beam Lumens:	22894.3 lumens	Field Lumens:	38655.5 lumens
Beam Efficiency:	48.1%	Field Efficiency:	81.2%
Input Watts (W):	374.3		
Input Voltage (V):	NR		
Input Current (A _{in}):	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		

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CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

Iso-Candela Plot





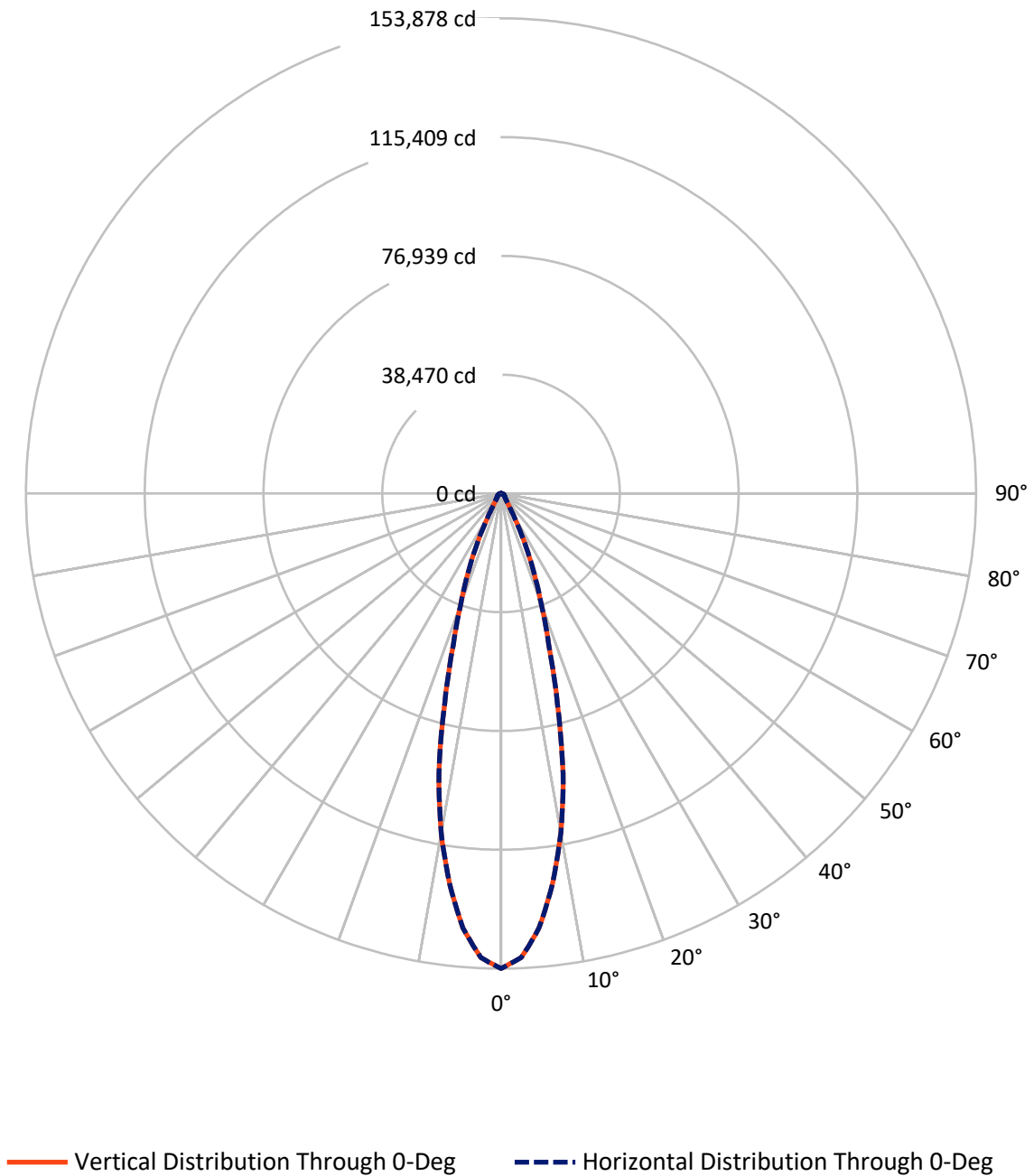
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Lumen Table

90	1.1	8.1	20.5	32.7	37.7	32.7	20.5	8.1	1.1										
80	1.1	8.1	20.5	32.7	37.7	32.7	20.5	8.1	1.1										
70	3.7	3.9	7.9	13.0	18.3	23.0	26.5	28.4	28.4	26.5	23.0	18.3	13.0	7.9	3.9	3.7			
60		5.9	12.0	19.3	26.7	33.2	38.1	40.7	40.7	38.1	33.2	26.7	19.3	12.0	5.9				
50	6.3	7.9	15.7	24.8	34.1	43.3	51.6	56.9	56.9	51.6	43.3	34.1	24.8	15.7	7.9	6.3			
40		9.6	18.8	29.4	42.3	60.2	87.9	116.7	116.7	87.9	60.2	42.3	29.4	18.8	9.6				
30	8.3	10.9	21.1	33.8	54.5	114.2	313.1	567.0	567.0	313.1	114.2	54.5	33.8	21.1	10.9	8.3			
20		11.8	22.7	37.9	75.0	295.5	1015.8	1960.3	1960.3	1015.8	295.5	75.0	37.9	22.7	11.8				
10	9.0	12.2	23.6	40.6	96.9	520.6	1907.1	3760.5	3760.5	1907.1	520.6	96.9	40.6	23.6	12.2	9.0			
0		12.2	23.6	40.6	96.9	520.6	1907.1	3760.5	3760.5	1907.1	520.6	96.9	40.6	23.6	12.2				
-10	8.3	11.8	22.7	37.9	75.0	295.5	1015.8	1960.3	1960.3	1015.8	295.5	75.0	37.9	22.7	11.8	8.3			
-20		10.9	21.1	33.8	54.5	114.2	313.1	567.0	567.0	313.1	114.2	54.5	33.8	21.1	10.9				
-30	6.3	9.6	18.8	29.4	42.3	60.2	87.9	116.7	116.7	87.9	60.2	42.3	29.4	18.8	9.6	6.3			
-40		7.9	15.7	24.8	34.1	43.3	51.6	56.9	56.9	51.6	43.3	34.1	24.8	15.7	7.9				
-50	3.7	5.9	12.0	19.3	26.7	33.2	38.1	40.7	40.7	38.1	33.2	26.7	19.3	12.0	5.9	3.7			
-60		3.9	7.9	13.0	18.3	23.0	26.5	28.4	28.4	26.5	23.0	18.3	13.0	7.9	3.9				
-70	1.1	8.1	20.5	32.7	37.7	32.7	20.5	8.1	1.1										
-80		1.1	8.1	20.5	32.7	37.7	32.7	20.5	8.1	1.1									
-90	1.1	8.1	20.5	32.7	37.7	32.7	20.5	8.1	1.1										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

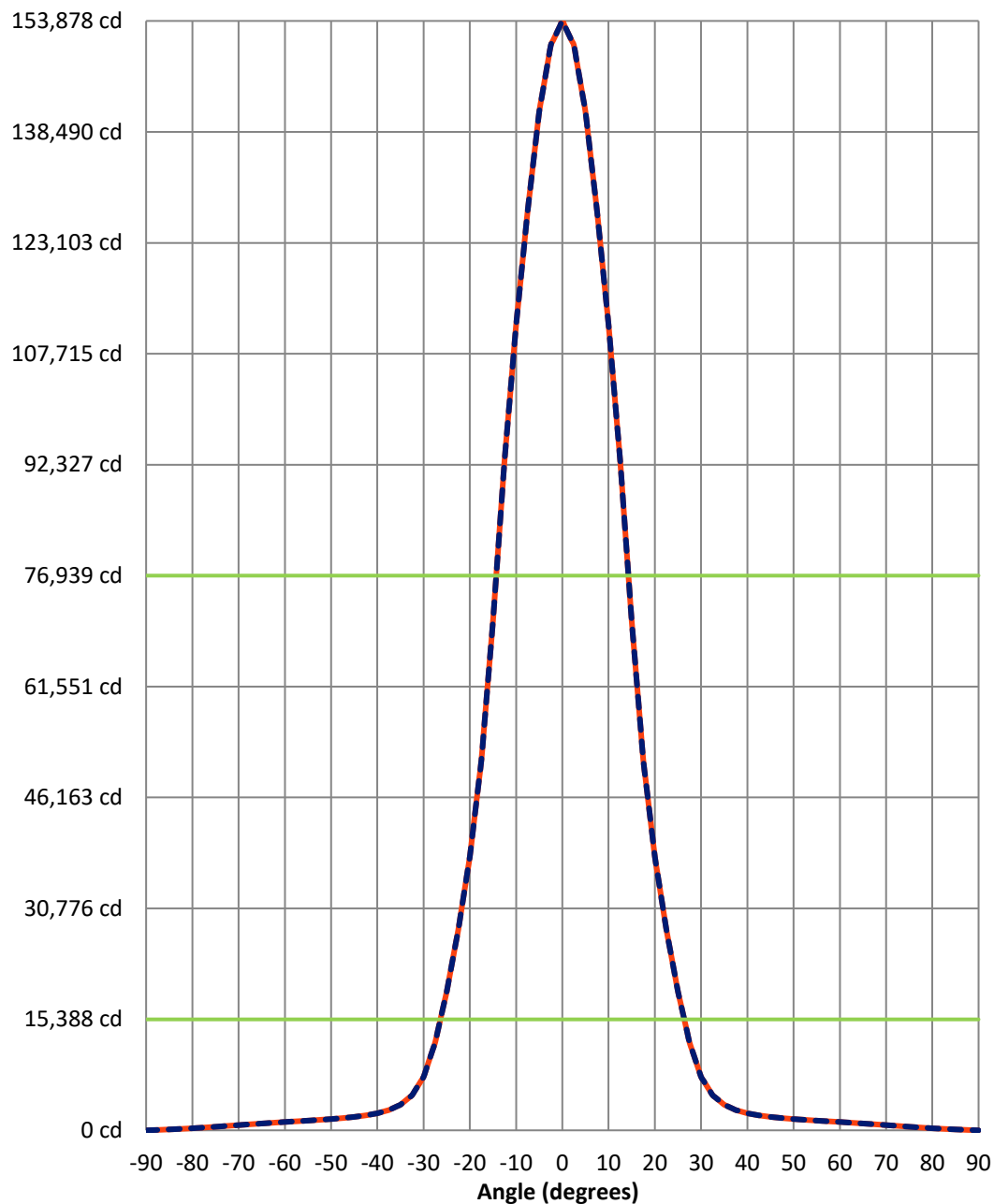
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 28.6°
 V Angle: 28.6°
 Lumens: 22894.3
 Efficiency: 48.1%

Field:
 H Angle: 52.7°
 V Angle: 52.7°
 Lumens: 38655.5
 Efficiency: 81.2%

Spill:
 Lumens: 8924.3
 Efficiency: 18.8%

— 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	2.4	4.8	7.1	9.5	11.8	14.1	16.4	18.7	20.9	23.1
85°	0.0	4.8	9.5	14.2	18.9	23.6	28.2	32.8	37.3	41.7	46.1
82.5°	0.0	7.1	14.2	21.3	28.4	35.4	42.3	49.1	56.2	64.7	73.0
80°	0.0	9.5	18.9	28.4	37.7	47.0	56.7	68.3	79.7	91.0	102.0
77.5°	0.0	11.8	23.6	35.4	47.0	59.7	74.3	88.8	103.0	117.1	131.4
75°	0.0	14.1	28.2	42.3	56.7	74.3	91.8	109.1	126.3	144.4	162.1
72.5°	0.0	16.4	32.8	49.1	68.3	88.8	109.1	129.6	150.9	171.9	192.6
70°	0.0	18.7	37.3	56.2	79.7	103.0	126.3	150.9	175.2	199.2	225.8
67.5°	0.0	20.9	41.7	64.7	91.0	117.1	144.4	171.9	199.2	229.6	259.4
65°	0.0	23.1	46.1	73.0	102.0	131.4	162.1	192.6	225.8	259.4	294.3
62.5°	0.0	25.2	50.4	81.1	112.9	145.9	179.5	214.7	252.0	289.9	332.5
60°	0.0	27.3	54.5	89.1	123.5	160.1	196.6	237.2	277.6	323.7	370.1
57.5°	0.0	29.3	59.7	96.8	134.5	174.0	215.1	259.1	306.2	356.8	409.3
55°	0.0	31.3	64.7	104.4	145.3	187.5	233.5	280.5	334.9	389.8	448.8
52.5°	0.0	33.2	69.6	111.7	155.8	200.9	251.3	304.5	362.9	424.4	487.2
50°	0.0	35.1	74.4	118.8	166.0	215.3	268.5	328.2	390.7	458.0	527.5
47.5°	0.0	36.9	78.9	125.8	175.8	229.1	285.6	351.1	419.6	490.5	566.9
45°	0.0	38.6	83.3	132.8	185.2	242.5	304.4	373.1	447.3	524.5	605.0
42.5°	0.0	40.2	87.5	139.6	194.2	255.2	322.5	395.5	474.0	557.3	640.2
40°	0.0	41.8	91.5	146.0	203.4	267.4	339.8	417.7	500.2	588.7	673.7
37.5°	0.0	43.3	95.3	152.1	212.6	279.0	356.2	438.9	526.7	618.2	705.7
35°	0.0	44.7	98.9	157.9	221.4	291.2	371.7	458.9	551.7	645.4	736.0
32.5°	0.0	46.0	102.2	163.3	229.6	303.4	386.7	477.7	575.3	671.0	764.6
30°	0.0	47.3	105.4	168.4	237.2	314.7	401.8	495.7	597.4	694.9	791.4
27.5°	0.0	48.4	108.3	173.1	244.4	325.2	415.7	513.6	617.6	717.2	816.4
25°	0.0	49.5	111.0	177.5	250.9	334.9	428.6	530.0	635.8	737.8	839.4
22.5°	0.0	50.4	113.4	181.4	256.9	343.7	440.3	545.0	652.3	756.6	858.6
20°	0.0	51.3	115.6	185.0	262.3	351.6	450.8	558.5	667.2	773.5	876.0
17.5°	0.0	52.1	117.6	188.1	267.0	358.7	460.2	570.6	680.5	788.6	891.4
15°	0.0	52.7	119.3	190.8	271.2	364.8	468.4	581.0	692.0	801.7	904.9
12.5°	0.0	53.3	120.7	193.2	274.7	370.1	475.3	589.9	701.9	812.9	916.4
10°	0.0	53.8	121.9	195.1	277.6	374.3	481.0	597.2	710.0	822.1	925.8
7.5°	0.0	54.1	122.8	196.6	279.9	377.7	485.5	602.9	716.3	829.2	933.2
5°	0.0	54.4	123.5	197.6	281.5	380.1	488.6	607.0	720.8	834.4	938.5
2.5°	0.0	54.5	123.9	198.3	282.5	381.5	490.6	609.5	723.5	837.5	941.6
0°	0.0	54.6	124.0	198.5	282.8	382.0	491.2	610.3	724.4	838.5	942.7
-2.5°	0.0	54.5	123.9	198.3	282.5	381.5	490.6	609.5	723.5	837.5	941.6
-5°	0.0	54.4	123.5	197.6	281.5	380.1	488.6	607.0	720.8	834.4	938.5
-7.5°	0.0	54.1	122.8	196.6	279.9	377.7	485.5	602.9	716.3	829.2	933.2
-10°	0.0	53.8	121.9	195.1	277.6	374.3	481.0	597.2	710.0	822.1	925.8
-12.5°	0.0	53.3	120.7	193.2	274.7	370.1	475.3	589.9	701.9	812.9	916.4
-15°	0.0	52.7	119.3	190.8	271.2	364.8	468.4	581.0	692.0	801.7	904.9
-17.5°	0.0	52.1	117.6	188.1	267.0	358.7	460.2	570.6	680.5	788.6	891.4
-20°	0.0	51.3	115.6	185.0	262.3	351.6	450.8	558.5	667.2	773.5	876.0

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CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	50.4	113.4	181.4	256.9	343.7	440.3	545.0	652.3	756.6	858.6
-25°	0.0	49.5	111.0	177.5	250.9	334.9	428.6	530.0	635.8	737.8	839.4
-27.5°	0.0	48.4	108.3	173.1	244.4	325.2	415.7	513.6	617.6	717.2	816.4
-30°	0.0	47.3	105.4	168.4	237.2	314.7	401.8	495.7	597.4	694.9	791.4
-32.5°	0.0	46.0	102.2	163.3	229.6	303.4	386.7	477.7	575.3	671.0	764.6
-35°	0.0	44.7	98.9	157.9	221.4	291.2	371.7	458.9	551.7	645.4	736.0
-37.5°	0.0	43.3	95.3	152.1	212.6	279.0	356.2	438.9	526.7	618.2	705.7
-40°	0.0	41.8	91.5	146.0	203.4	267.4	339.8	417.7	500.2	588.7	673.7
-42.5°	0.0	40.2	87.5	139.6	194.2	255.2	322.5	395.5	474.0	557.3	640.2
-45°	0.0	38.6	83.3	132.8	185.2	242.5	304.4	373.1	447.3	524.5	605.0
-47.5°	0.0	36.9	78.9	125.8	175.8	229.1	285.6	351.1	419.6	490.5	566.9
-50°	0.0	35.1	74.4	118.8	166.0	215.3	268.5	328.2	390.7	458.0	527.5
-52.5°	0.0	33.2	69.6	111.7	155.8	200.9	251.3	304.5	362.9	424.4	487.2
-55°	0.0	31.3	64.7	104.4	145.3	187.5	233.5	280.5	334.9	389.8	448.8
-57.5°	0.0	29.3	59.7	96.8	134.5	174.0	215.1	259.1	306.2	356.8	409.3
-60°	0.0	27.3	54.5	89.1	123.5	160.1	196.6	237.2	277.6	323.7	370.1
-62.5°	0.0	25.2	50.4	81.1	112.9	145.9	179.5	214.7	252.0	289.9	332.5
-65°	0.0	23.1	46.1	73.0	102.0	131.4	162.1	192.6	225.8	259.4	294.3
-67.5°	0.0	20.9	41.7	64.7	91.0	117.1	144.4	171.9	199.2	229.6	259.4
-70°	0.0	18.7	37.3	56.2	79.7	103.0	126.3	150.9	175.2	199.2	225.8
-72.5°	0.0	16.4	32.8	49.1	68.3	88.8	109.1	129.6	150.9	171.9	192.6
-75°	0.0	14.1	28.2	42.3	56.7	74.3	91.8	109.1	126.3	144.4	162.1
-77.5°	0.0	11.8	23.6	35.4	47.0	59.7	74.3	88.8	103.0	117.1	131.4
-80°	0.0	9.5	18.9	28.4	37.7	47.0	56.7	68.3	79.7	91.0	102.0
-82.5°	0.0	7.1	14.2	21.3	28.4	35.4	42.3	49.1	56.2	64.7	73.0
-85°	0.0	4.8	9.5	14.2	18.9	23.6	28.2	32.8	37.3	41.7	46.1
-87.5°	0.0	2.4	4.8	7.1	9.5	11.8	14.1	16.4	18.7	20.9	23.1
-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°	25.2	27.3	29.3	31.3	33.2	35.1	36.9	38.6	40.2	41.8	43.3
85°	50.4	54.5	59.7	64.7	69.6	74.4	78.9	83.3	87.5	91.5	95.3
82.5°	81.1	89.1	96.8	104.4	111.7	118.8	125.8	132.8	139.6	146.0	152.1
80°	112.9	123.5	134.5	145.3	155.8	166.0	175.8	185.2	194.2	203.4	212.6
77.5°	145.9	160.1	174.0	187.5	200.9	215.3	229.1	242.5	255.2	267.4	279.0
75°	179.5	196.6	215.1	233.5	251.3	268.5	285.6	304.4	322.5	339.8	356.2
72.5°	214.7	237.2	259.1	280.5	304.5	328.2	351.1	373.1	395.5	417.7	438.9
70°	252.0	277.6	306.2	334.9	362.9	390.7	419.6	447.3	474.0	500.2	526.7
67.5°	289.9	323.7	356.8	389.8	424.4	458.0	490.5	524.5	557.3	588.7	618.2
65°	332.5	370.1	409.3	448.8	487.2	527.5	566.9	605.0	640.2	673.7	705.7
62.5°	374.5	419.1	463.5	508.3	554.3	599.1	641.2	681.4	720.0	757.0	792.4
60°	419.1	468.4	519.0	570.6	620.4	667.2	712.7	756.6	798.9	839.4	874.8
57.5°	463.5	519.0	576.0	630.8	683.0	733.7	783.0	830.7	873.4	913.7	952.8
55°	508.3	570.6	630.8	688.2	744.3	799.0	851.0	898.0	943.4	989.2	1033.0
52.5°	554.3	620.4	683.0	744.3	804.4	860.8	912.9	964.4	1015.6	1064.9	1112.1
50°	599.1	667.2	733.7	799.0	860.8	917.9	974.9	1031.5	1086.3	1139.1	1184.6
47.5°	641.2	712.7	783.0	851.0	912.9	974.9	1036.9	1097.1	1155.5	1202.7	1247.1
45°	681.4	756.6	830.7	898.0	964.4	1031.5	1097.1	1161.0	1211.8	1261.5	1311.6
42.5°	720.0	798.9	873.4	943.4	1015.6	1086.3	1155.5	1211.8	1266.4	1321.5	1379.4
40°	757.0	839.4	913.7	989.2	1064.9	1139.1	1202.7	1261.5	1321.5	1385.3	1450.5
37.5°	792.4	874.8	952.8	1033.0	1112.1	1184.6	1247.1	1311.6	1379.4	1450.5	1519.5
35°	825.9	908.4	991.3	1074.8	1157.2	1224.3	1291.8	1361.9	1438.5	1513.4	1591.4
32.5°	856.0	940.3	1027.7	1114.3	1192.9	1262.7	1334.6	1414.9	1495.1	1576.1	1670.0
30°	883.1	971.5	1062.0	1151.6	1225.9	1300.3	1379.9	1465.1	1548.9	1646.6	1755.7
27.5°	908.4	1000.7	1093.9	1181.8	1257.2	1335.6	1423.9	1512.4	1608.0	1716.8	1842.6
25°	931.8	1027.7	1123.5	1208.2	1287.5	1372.1	1464.9	1556.6	1666.3	1793.1	1943.7
22.5°	953.7	1052.4	1150.6	1232.4	1315.3	1407.1	1502.7	1605.2	1725.3	1864.9	2042.8
20°	974.0	1074.8	1172.6	1254.6	1340.6	1438.8	1537.1	1650.9	1785.5	1949.5	2154.8
17.5°	992.0	1094.7	1190.5	1275.3	1366.1	1467.2	1569.1	1691.9	1839.7	2025.8	2266.0
15°	1007.7	1112.1	1206.2	1293.5	1389.0	1492.2	1602.3	1734.8	1895.6	2100.0	2366.1
12.5°	1021.1	1126.9	1219.5	1308.9	1408.5	1513.5	1630.8	1772.7	1949.2	2178.4	2499.7
10°	1032.1	1139.1	1230.6	1321.7	1424.7	1531.2	1654.4	1804.0	1993.6	2243.5	2610.9
7.5°	1040.8	1148.7	1239.2	1331.7	1437.3	1545.0	1672.9	1828.6	2028.5	2294.9	2698.7
5°	1046.9	1155.5	1245.3	1338.8	1446.4	1554.9	1686.2	1846.4	2053.6	2331.9	2762.0
2.5°	1050.7	1159.6	1249.1	1343.2	1451.9	1560.9	1694.2	1857.0	2068.8	2354.2	2800.4
0°	1051.9	1161.0	1250.3	1344.6	1453.7	1562.9	1696.9	1860.6	2073.9	2361.7	2813.2
-2.5°	1050.7	1159.6	1249.1	1343.2	1451.9	1560.9	1694.2	1857.0	2068.8	2354.2	2800.4
-5°	1046.9	1155.5	1245.3	1338.8	1446.4	1554.9	1686.2	1846.4	2053.6	2331.9	2762.0
-7.5°	1040.8	1148.7	1239.2	1331.7	1437.3	1545.0	1672.9	1828.6	2028.5	2294.9	2698.7
-10°	1032.1	1139.1	1230.6	1321.7	1424.7	1531.2	1654.4	1804.0	1993.6	2243.5	2610.9
-12.5°	1021.1	1126.9	1219.5	1308.9	1408.5	1513.5	1630.8	1772.7	1949.2	2178.4	2499.7
-15°	1007.7	1112.1	1206.2	1293.5	1389.0	1492.2	1602.3	1734.8	1895.6	2100.0	2366.1
-17.5°	992.0	1094.7	1190.5	1275.3	1366.1	1467.2	1569.1	1691.9	1839.7	2025.8	2266.0
-20°	974.0	1074.8	1172.6	1254.6	1340.6	1438.8	1537.1	1650.9	1785.5	1949.5	2154.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	953.7	1052.4	1150.6	1232.4	1315.3	1407.1	1502.7	1605.2	1725.3	1864.9	2042.8
-25°	931.8	1027.7	1123.5	1208.2	1287.5	1372.1	1464.9	1556.6	1666.3	1793.1	1943.7
-27.5°	908.4	1000.7	1093.9	1181.8	1257.2	1335.6	1423.9	1512.4	1608.0	1716.8	1842.6
-30°	883.1	971.5	1062.0	1151.6	1225.9	1300.3	1379.9	1465.1	1548.9	1646.6	1755.7
-32.5°	856.0	940.3	1027.7	1114.3	1192.9	1262.7	1334.6	1414.9	1495.1	1576.1	1670.0
-35°	825.9	908.4	991.3	1074.8	1157.2	1224.3	1291.8	1361.9	1438.5	1513.4	1591.4
-37.5°	792.4	874.8	952.8	1033.0	1112.1	1184.6	1247.1	1311.6	1379.4	1450.5	1519.5
-40°	757.0	839.4	913.7	989.2	1064.9	1139.1	1202.7	1261.5	1321.5	1385.3	1450.5
-42.5°	720.0	798.9	873.4	943.4	1015.6	1086.3	1155.5	1211.8	1266.4	1321.5	1379.4
-45°	681.4	756.6	830.7	898.0	964.4	1031.5	1097.1	1161.0	1211.8	1261.5	1311.6
-47.5°	641.2	712.7	783.0	851.0	912.9	974.9	1036.9	1097.1	1155.5	1202.7	1247.1
-50°	599.1	667.2	733.7	799.0	860.8	917.9	974.9	1031.5	1086.3	1139.1	1184.6
-52.5°	554.3	620.4	683.0	744.3	804.4	860.8	912.9	964.4	1015.6	1064.9	1112.1
-55°	508.3	570.6	630.8	688.2	744.3	799.0	851.0	898.0	943.4	989.2	1033.0
-57.5°	463.5	519.0	576.0	630.8	683.0	733.7	783.0	830.7	873.4	913.7	952.8
-60°	419.1	468.4	519.0	570.6	620.4	667.2	712.7	756.6	798.9	839.4	874.8
-62.5°	374.5	419.1	463.5	508.3	554.3	599.1	641.2	681.4	720.0	757.0	792.4
-65°	332.5	370.1	409.3	448.8	487.2	527.5	566.9	605.0	640.2	673.7	705.7
-67.5°	289.9	323.7	356.8	389.8	424.4	458.0	490.5	524.5	557.3	588.7	618.2
-70°	252.0	277.6	306.2	334.9	362.9	390.7	419.6	447.3	474.0	500.2	526.7
-72.5°	214.7	237.2	259.1	280.5	304.5	328.2	351.1	373.1	395.5	417.7	438.9
-75°	179.5	196.6	215.1	233.5	251.3	268.5	285.6	304.4	322.5	339.8	356.2
-77.5°	145.9	160.1	174.0	187.5	200.9	215.3	229.1	242.5	255.2	267.4	279.0
-80°	112.9	123.5	134.5	145.3	155.8	166.0	175.8	185.2	194.2	203.4	212.6
-82.5°	81.1	89.1	96.8	104.4	111.7	118.8	125.8	132.8	139.6	146.0	152.1
-85°	50.4	54.5	59.7	64.7	69.6	74.4	78.9	83.3	87.5	91.5	95.3
-87.5°	25.2	27.3	29.3	31.3	33.2	35.1	36.9	38.6	40.2	41.8	43.3
-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: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

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°	44.7	46.0	47.3	48.4	49.5	50.4	51.3	52.1	52.7	53.3	53.8
85°	98.9	102.2	105.4	108.3	111.0	113.4	115.6	117.6	119.3	120.7	121.9
82.5°	157.9	163.3	168.4	173.1	177.5	181.4	185.0	188.1	190.8	193.2	195.1
80°	221.4	229.6	237.2	244.4	250.9	256.9	262.3	267.0	271.2	274.7	277.6
77.5°	291.2	303.4	314.7	325.2	334.9	343.7	351.6	358.7	364.8	370.1	374.3
75°	371.7	386.7	401.8	415.7	428.6	440.3	450.8	460.2	468.4	475.3	481.0
72.5°	458.9	477.7	495.7	513.6	530.0	545.0	558.5	570.6	581.0	589.9	597.2
70°	551.7	575.3	597.4	617.6	635.8	652.3	667.2	680.5	692.0	701.9	710.0
67.5°	645.4	671.0	694.9	717.2	737.8	756.6	773.5	788.6	801.7	812.9	822.1
65°	736.0	764.6	791.4	816.4	839.4	858.6	876.0	891.4	904.9	916.4	925.8
62.5°	825.9	856.0	883.1	908.4	931.8	953.7	974.0	992.0	1007.7	1021.1	1032.1
60°	908.4	940.3	971.5	1000.7	1027.7	1052.4	1074.8	1094.7	1112.1	1126.9	1139.1
57.5°	991.3	1027.7	1062.0	1093.9	1123.5	1150.6	1172.6	1190.5	1206.2	1219.5	1230.6
55°	1074.8	1114.3	1151.6	1181.8	1208.2	1232.4	1254.6	1275.3	1293.5	1308.9	1321.7
52.5°	1157.2	1192.9	1225.9	1257.2	1287.5	1315.3	1340.6	1366.1	1389.0	1408.5	1424.7
50°	1224.3	1262.7	1300.3	1335.6	1372.1	1407.1	1438.8	1467.2	1492.2	1513.5	1531.2
47.5°	1291.8	1334.6	1379.9	1423.9	1464.9	1502.7	1537.1	1569.1	1602.3	1630.8	1654.4
45°	1361.9	1414.9	1465.1	1512.4	1556.6	1605.2	1650.9	1691.9	1734.8	1772.7	1804.0
42.5°	1438.5	1495.1	1548.9	1608.0	1666.3	1725.3	1785.5	1839.7	1895.6	1949.2	1993.6
40°	1513.4	1576.1	1646.6	1716.8	1793.1	1864.9	1949.5	2025.8	2100.0	2178.4	2243.5
37.5°	1591.4	1670.0	1755.7	1842.6	1943.7	2042.8	2154.8	2266.0	2366.1	2499.7	2610.9
35°	1677.9	1775.4	1876.5	1997.3	2124.2	2267.6	2421.6	2609.9	2777.4	2992.0	3190.4
32.5°	1775.4	1889.7	2024.4	2180.5	2344.6	2576.0	2799.2	3123.2	3420.3	3776.8	4161.6
30°	1876.5	2024.4	2199.4	2396.0	2670.5	3002.4	3395.4	3912.3	4485.5	5096.6	5910.9
27.5°	1997.3	2180.5	2396.0	2702.4	3110.3	3570.3	4321.3	5146.9	6351.4	7407.9	9079.3
25°	2124.2	2344.6	2670.5	3110.3	3670.6	4529.7	5775.1	7219.0	9506.2	11674.5	14149.3
22.5°	2267.6	2576.0	3002.4	3570.3	4529.7	5987.5	7882.4	10810.2	14099.1	17607.8	20904.9
20°	2421.6	2799.2	3395.4	4321.3	5775.1	7882.4	11252.4	15473.0	19883.0	24566.7	28758.5
17.5°	2609.9	3123.2	3912.3	5146.9	7219.0	10810.2	15473.0	20778.3	26465.1	32320.7	37655.3
15°	2777.4	3420.3	4485.5	6351.4	9506.2	14099.1	19883.0	26465.1	33542.5	41008.8	48885.6
12.5°	2992.0	3776.8	5096.6	7407.9	11674.5	17607.8	24566.7	32320.7	41008.8	50798.7	63255.9
10°	3190.4	4161.6	5910.9	9079.3	14149.3	20904.9	28758.5	37655.3	48885.6	63255.9	78602.2
7.5°	3347.3	4466.8	6559.0	10418.5	16335.4	23857.3	32668.0	43368.4	57291.1	74677.2	93082.6
5°	3460.8	4688.1	7030.3	11395.7	17937.7	26033.9	35572.4	47733.6	64525.1	84463.6	102901.1
2.5°	3529.5	4822.3	7316.6	11990.7	18916.6	27369.2	37364.7	50449.4	69079.8	90739.8	109388.2
0°	3552.5	4867.3	7412.6	12190.6	19245.9	27819.5	37970.9	51372.1	70637.9	92910.4	111675.1
-2.5°	3529.5	4822.3	7316.6	11990.7	18916.6	27369.2	37364.7	50449.4	69079.8	90739.8	109388.2
-5°	3460.8	4688.1	7030.3	11395.7	17937.7	26033.9	35572.4	47733.6	64525.1	84463.6	102901.1
-7.5°	3347.3	4466.8	6559.0	10418.5	16335.4	23857.3	32668.0	43368.4	57291.1	74677.2	93082.6
-10°	3190.4	4161.6	5910.9	9079.3	14149.3	20904.9	28758.5	37655.3	48885.6	63255.9	78602.2
-12.5°	2992.0	3776.8	5096.6	7407.9	11674.5	17607.8	24566.7	32320.7	41008.8	50798.7	63255.9
-15°	2777.4	3420.3	4485.5	6351.4	9506.2	14099.1	19883.0	26465.1	33542.5	41008.8	48885.6
-17.5°	2609.9	3123.2	3912.3	5146.9	7219.0	10810.2	15473.0	20778.3	26465.1	32320.7	37655.3
-20°	2421.6	2799.2	3395.4	4321.3	5775.1	7882.4	11252.4	15473.0	19883.0	24566.7	28758.5

Classified

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

Scaled Data Report



REPORT NUMBER: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2267.6	2576.0	3002.4	3570.3	4529.7	5987.5	7882.4	10810.2	14099.1	17607.8	20904.9
-25°	2124.2	2344.6	2670.5	3110.3	3670.6	4529.7	5775.1	7219.0	9506.2	11674.5	14149.3
-27.5°	1997.3	2180.5	2396.0	2702.4	3110.3	3570.3	4321.3	5146.9	6351.4	7407.9	9079.3
-30°	1876.5	2024.4	2199.4	2396.0	2670.5	3002.4	3395.4	3912.3	4485.5	5096.6	5910.9
-32.5°	1775.4	1889.7	2024.4	2180.5	2344.6	2576.0	2799.2	3123.2	3420.3	3776.8	4161.6
-35°	1677.9	1775.4	1876.5	1997.3	2124.2	2267.6	2421.6	2609.9	2777.4	2992.0	3190.4
-37.5°	1591.4	1670.0	1755.7	1842.6	1943.7	2042.8	2154.8	2266.0	2366.1	2499.7	2610.9
-40°	1513.4	1576.1	1646.6	1716.8	1793.1	1864.9	1949.5	2025.8	2100.0	2178.4	2243.5
-42.5°	1438.5	1495.1	1548.9	1608.0	1666.3	1725.3	1785.5	1839.7	1895.6	1949.2	1993.6
-45°	1361.9	1414.9	1465.1	1512.4	1556.6	1605.2	1650.9	1691.9	1734.8	1772.7	1804.0
-47.5°	1291.8	1334.6	1379.9	1423.9	1464.9	1502.7	1537.1	1569.1	1602.3	1630.8	1654.4
-50°	1224.3	1262.7	1300.3	1335.6	1372.1	1407.1	1438.8	1467.2	1492.2	1513.5	1531.2
-52.5°	1157.2	1192.9	1225.9	1257.2	1287.5	1315.3	1340.6	1366.1	1389.0	1408.5	1424.7
-55°	1074.8	1114.3	1151.6	1181.8	1208.2	1232.4	1254.6	1275.3	1293.5	1308.9	1321.7
-57.5°	991.3	1027.7	1062.0	1093.9	1123.5	1150.6	1172.6	1190.5	1206.2	1219.5	1230.6
-60°	908.4	940.3	971.5	1000.7	1027.7	1052.4	1074.8	1094.7	1112.1	1126.9	1139.1
-62.5°	825.9	856.0	883.1	908.4	931.8	953.7	974.0	992.0	1007.7	1021.1	1032.1
-65°	736.0	764.6	791.4	816.4	839.4	858.6	876.0	891.4	904.9	916.4	925.8
-67.5°	645.4	671.0	694.9	717.2	737.8	756.6	773.5	788.6	801.7	812.9	822.1
-70°	551.7	575.3	597.4	617.6	635.8	652.3	667.2	680.5	692.0	701.9	710.0
-72.5°	458.9	477.7	495.7	513.6	530.0	545.0	558.5	570.6	581.0	589.9	597.2
-75°	371.7	386.7	401.8	415.7	428.6	440.3	450.8	460.2	468.4	475.3	481.0
-77.5°	291.2	303.4	314.7	325.2	334.9	343.7	351.6	358.7	364.8	370.1	374.3
-80°	221.4	229.6	237.2	244.4	250.9	256.9	262.3	267.0	271.2	274.7	277.6
-82.5°	157.9	163.3	168.4	173.1	177.5	181.4	185.0	188.1	190.8	193.2	195.1
-85°	98.9	102.2	105.4	108.3	111.0	113.4	115.6	117.6	119.3	120.7	121.9
-87.5°	44.7	46.0	47.3	48.4	49.5	50.4	51.3	52.1	52.7	53.3	53.8
-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: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

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°	54.1	54.4	54.5	54.6	54.5	54.4	54.1	53.8	53.3	52.7	52.1
85°	122.8	123.5	123.9	124.0	123.9	123.5	122.8	121.9	120.7	119.3	117.6
82.5°	196.6	197.6	198.3	198.5	198.3	197.6	196.6	195.1	193.2	190.8	188.1
80°	279.9	281.5	282.5	282.8	282.5	281.5	279.9	277.6	274.7	271.2	267.0
77.5°	377.7	380.1	381.5	382.0	381.5	380.1	377.7	374.3	370.1	364.8	358.7
75°	485.5	488.6	490.6	491.2	490.6	488.6	485.5	481.0	475.3	468.4	460.2
72.5°	602.9	607.0	609.5	610.3	609.5	607.0	602.9	597.2	589.9	581.0	570.6
70°	716.3	720.8	723.5	724.4	723.5	720.8	716.3	710.0	701.9	692.0	680.5
67.5°	829.2	834.4	837.5	838.5	837.5	834.4	829.2	822.1	812.9	801.7	788.6
65°	933.2	938.5	941.6	942.7	941.6	938.5	933.2	925.8	916.4	904.9	891.4
62.5°	1040.8	1046.9	1050.7	1051.9	1050.7	1046.9	1040.8	1032.1	1021.1	1007.7	992.0
60°	1148.7	1155.5	1159.6	1161.0	1159.6	1155.5	1148.7	1139.1	1126.9	1112.1	1094.7
57.5°	1239.2	1245.3	1249.1	1250.3	1249.1	1245.3	1239.2	1230.6	1219.5	1206.2	1190.5
55°	1331.7	1338.8	1343.2	1344.6	1343.2	1338.8	1331.7	1321.7	1308.9	1293.5	1275.3
52.5°	1437.3	1446.4	1451.9	1453.7	1451.9	1446.4	1437.3	1424.7	1408.5	1389.0	1366.1
50°	1545.0	1554.9	1560.9	1562.9	1560.9	1554.9	1545.0	1531.2	1513.5	1492.2	1467.2
47.5°	1672.9	1686.2	1694.2	1696.9	1694.2	1686.2	1672.9	1654.4	1630.8	1602.3	1569.1
45°	1828.6	1846.4	1857.0	1860.6	1857.0	1846.4	1828.6	1804.0	1772.7	1734.8	1691.9
42.5°	2028.5	2053.6	2068.8	2073.9	2068.8	2053.6	2028.5	1993.6	1949.2	1895.6	1839.7
40°	2294.9	2331.9	2354.2	2361.7	2354.2	2331.9	2294.9	2243.5	2178.4	2100.0	2025.8
37.5°	2698.7	2762.0	2800.4	2813.2	2800.4	2762.0	2698.7	2610.9	2499.7	2366.1	2266.0
35°	3347.3	3460.8	3529.5	3552.5	3529.5	3460.8	3347.3	3190.4	2992.0	2777.4	2609.9
32.5°	4466.8	4688.1	4822.3	4867.3	4822.3	4688.1	4466.8	4161.6	3776.8	3420.3	3123.2
30°	6559.0	7030.3	7316.6	7412.6	7316.6	7030.3	6559.0	5910.9	5096.6	4485.5	3912.3
27.5°	10418.5	11395.7	11990.7	12190.6	11990.7	11395.7	10418.5	9079.3	7407.9	6351.4	5146.9
25°	16335.4	17937.7	18916.6	19245.9	18916.6	17937.7	16335.4	14149.3	11674.5	9506.2	7219.0
22.5°	23857.3	26033.9	27369.2	27819.5	27369.2	26033.9	23857.3	20904.9	17607.8	14099.1	10810.2
20°	32668.0	35572.4	37364.7	37970.9	37364.7	35572.4	32668.0	28758.5	24566.7	19883.0	15473.0
17.5°	43368.4	47733.6	50449.4	51372.1	50449.4	47733.6	43368.4	37655.3	32320.7	26465.1	20778.3
15°	57291.1	64525.1	69079.8	70637.9	69079.8	64525.1	57291.1	48885.6	41008.8	33542.5	26465.1
12.5°	74677.2	84463.6	90739.8	92910.4	90739.8	84463.6	74677.2	63255.9	50798.7	41008.8	32320.7
10°	93082.6	102901.1	109388.2	111675.1	109388.2	102901.1	93082.6	78602.2	63255.9	48885.6	37655.3
7.5°	107236.0	117978.3	124969.2	127527.3	124969.2	117978.3	107236.0	93082.6	74677.2	57291.1	43368.4
5°	117978.3	129914.3	138053.2	141295.7	138053.2	129914.3	117978.3	102901.1	84463.6	64525.1	47733.6
2.5°	124969.2	138053.2	146686.2	150494.4	146686.2	138053.2	124969.2	109388.2	90739.8	69079.8	50449.4
0°	127527.3	141295.7	150494.4	153878.2	150494.4	141295.7	127527.3	111675.1	92910.4	70637.9	51372.1
-2.5°	124969.2	138053.2	146686.2	150494.4	146686.2	138053.2	124969.2	109388.2	90739.8	69079.8	50449.4
-5°	117978.3	129914.3	138053.2	141295.7	138053.2	129914.3	117978.3	102901.1	84463.6	64525.1	47733.6
-7.5°	107236.0	117978.3	124969.2	127527.3	124969.2	117978.3	107236.0	93082.6	74677.2	57291.1	43368.4
-10°	93082.6	102901.1	109388.2	111675.1	109388.2	102901.1	93082.6	78602.2	63255.9	48885.6	37655.3
-12.5°	74677.2	84463.6	90739.8	92910.4	90739.8	84463.6	74677.2	63255.9	50798.7	41008.8	32320.7
-15°	57291.1	64525.1	69079.8	70637.9	69079.8	64525.1	57291.1	48885.6	41008.8	33542.5	26465.1
-17.5°	43368.4	47733.6	50449.4	51372.1	50449.4	47733.6	43368.4	37655.3	32320.7	26465.1	20778.3
-20°	32668.0	35572.4	37364.7	37970.9	37364.7	35572.4	32668.0	28758.5	24566.7	19883.0	15473.0



REPORT NUMBER: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23857.3	26033.9	27369.2	27819.5	27369.2	26033.9	23857.3	20904.9	17607.8	14099.1	10810.2
-25°	16335.4	17937.7	18916.6	19245.9	18916.6	17937.7	16335.4	14149.3	11674.5	9506.2	7219.0
-27.5°	10418.5	11395.7	11990.7	12190.6	11990.7	11395.7	10418.5	9079.3	7407.9	6351.4	5146.9
-30°	6559.0	7030.3	7316.6	7412.6	7316.6	7030.3	6559.0	5910.9	5096.6	4485.5	3912.3
-32.5°	4466.8	4688.1	4822.3	4867.3	4822.3	4688.1	4466.8	4161.6	3776.8	3420.3	3123.2
-35°	3347.3	3460.8	3529.5	3552.5	3529.5	3460.8	3347.3	3190.4	2992.0	2777.4	2609.9
-37.5°	2698.7	2762.0	2800.4	2813.2	2800.4	2762.0	2698.7	2610.9	2499.7	2366.1	2266.0
-40°	2294.9	2331.9	2354.2	2361.7	2354.2	2331.9	2294.9	2243.5	2178.4	2100.0	2025.8
-42.5°	2028.5	2053.6	2068.8	2073.9	2068.8	2053.6	2028.5	1993.6	1949.2	1895.6	1839.7
-45°	1828.6	1846.4	1857.0	1860.6	1857.0	1846.4	1828.6	1804.0	1772.7	1734.8	1691.9
-47.5°	1672.9	1686.2	1694.2	1696.9	1694.2	1686.2	1672.9	1654.4	1630.8	1602.3	1569.1
-50°	1545.0	1554.9	1560.9	1562.9	1560.9	1554.9	1545.0	1531.2	1513.5	1492.2	1467.2
-52.5°	1437.3	1446.4	1451.9	1453.7	1451.9	1446.4	1437.3	1424.7	1408.5	1389.0	1366.1
-55°	1331.7	1338.8	1343.2	1344.6	1343.2	1338.8	1331.7	1321.7	1308.9	1293.5	1275.3
-57.5°	1239.2	1245.3	1249.1	1250.3	1249.1	1245.3	1239.2	1230.6	1219.5	1206.2	1190.5
-60°	1148.7	1155.5	1159.6	1161.0	1159.6	1155.5	1148.7	1139.1	1126.9	1112.1	1094.7
-62.5°	1040.8	1046.9	1050.7	1051.9	1050.7	1046.9	1040.8	1032.1	1021.1	1007.7	992.0
-65°	933.2	938.5	941.6	942.7	941.6	938.5	933.2	925.8	916.4	904.9	891.4
-67.5°	829.2	834.4	837.5	838.5	837.5	834.4	829.2	822.1	812.9	801.7	788.6
-70°	716.3	720.8	723.5	724.4	723.5	720.8	716.3	710.0	701.9	692.0	680.5
-72.5°	602.9	607.0	609.5	610.3	609.5	607.0	602.9	597.2	589.9	581.0	570.6
-75°	485.5	488.6	490.6	491.2	490.6	488.6	485.5	481.0	475.3	468.4	460.2
-77.5°	377.7	380.1	381.5	382.0	381.5	380.1	377.7	374.3	370.1	364.8	358.7
-80°	279.9	281.5	282.5	282.8	282.5	281.5	279.9	277.6	274.7	271.2	267.0
-82.5°	196.6	197.6	198.3	198.5	198.3	197.6	196.6	195.1	193.2	190.8	188.1
-85°	122.8	123.5	123.9	124.0	123.9	123.5	122.8	121.9	120.7	119.3	117.6
-87.5°	54.1	54.4	54.5	54.6	54.5	54.4	54.1	53.8	53.3	52.7	52.1
-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: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

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°	51.3	50.4	49.5	48.4	47.3	46.0	44.7	43.3	41.8	40.2	38.6
85°	115.6	113.4	111.0	108.3	105.4	102.2	98.9	95.3	91.5	87.5	83.3
82.5°	185.0	181.4	177.5	173.1	168.4	163.3	157.9	152.1	146.0	139.6	132.8
80°	262.3	256.9	250.9	244.4	237.2	229.6	221.4	212.6	203.4	194.2	185.2
77.5°	351.6	343.7	334.9	325.2	314.7	303.4	291.2	279.0	267.4	255.2	242.5
75°	450.8	440.3	428.6	415.7	401.8	386.7	371.7	356.2	339.8	322.5	304.4
72.5°	558.5	545.0	530.0	513.6	495.7	477.7	458.9	438.9	417.7	395.5	373.1
70°	667.2	652.3	635.8	617.6	597.4	575.3	551.7	526.7	500.2	474.0	447.3
67.5°	773.5	756.6	737.8	717.2	694.9	671.0	645.4	618.2	588.7	557.3	524.5
65°	876.0	858.6	839.4	816.4	791.4	764.6	736.0	705.7	673.7	640.2	605.0
62.5°	974.0	953.7	931.8	908.4	883.1	856.0	825.9	792.4	757.0	720.0	681.4
60°	1074.8	1052.4	1027.7	1000.7	971.5	940.3	908.4	874.8	839.4	798.9	756.6
57.5°	1172.6	1150.6	1123.5	1093.9	1062.0	1027.7	991.3	952.8	913.7	873.4	830.7
55°	1254.6	1232.4	1208.2	1181.8	1151.6	1114.3	1074.8	1033.0	989.2	943.4	898.0
52.5°	1340.6	1315.3	1287.5	1257.2	1225.9	1192.9	1157.2	1112.1	1064.9	1015.6	964.4
50°	1438.8	1407.1	1372.1	1335.6	1300.3	1262.7	1224.3	1184.6	1139.1	1086.3	1031.5
47.5°	1537.1	1502.7	1464.9	1423.9	1379.9	1334.6	1291.8	1247.1	1202.7	1155.5	1097.1
45°	1650.9	1605.2	1556.6	1512.4	1465.1	1414.9	1361.9	1311.6	1261.5	1211.8	1161.0
42.5°	1785.5	1725.3	1666.3	1608.0	1548.9	1495.1	1438.5	1379.4	1321.5	1266.4	1211.8
40°	1949.5	1864.9	1793.1	1716.8	1646.6	1576.1	1513.4	1450.5	1385.3	1321.5	1261.5
37.5°	2154.8	2042.8	1943.7	1842.6	1755.7	1670.0	1591.4	1519.5	1450.5	1379.4	1311.6
35°	2421.6	2267.6	2124.2	1997.3	1876.5	1775.4	1677.9	1591.4	1513.4	1438.5	1361.9
32.5°	2799.2	2576.0	2344.6	2180.5	2024.4	1889.7	1775.4	1670.0	1576.1	1495.1	1414.9
30°	3395.4	3002.4	2670.5	2396.0	2199.4	2024.4	1876.5	1755.7	1646.6	1548.9	1465.1
27.5°	4321.3	3570.3	3110.3	2702.4	2396.0	2180.5	1997.3	1842.6	1716.8	1608.0	1512.4
25°	5775.1	4529.7	3670.6	3110.3	2670.5	2344.6	2124.2	1943.7	1793.1	1666.3	1556.6
22.5°	7882.4	5987.5	4529.7	3570.3	3002.4	2576.0	2267.6	2042.8	1864.9	1725.3	1605.2
20°	11252.4	7882.4	5775.1	4321.3	3395.4	2799.2	2421.6	2154.8	1949.5	1785.5	1650.9
17.5°	15473.0	10810.2	7219.0	5146.9	3912.3	3123.2	2609.9	2266.0	2025.8	1839.7	1691.9
15°	19883.0	14099.1	9506.2	6351.4	4485.5	3420.3	2777.4	2366.1	2100.0	1895.6	1734.8
12.5°	24566.7	17607.8	11674.5	7407.9	5096.6	3776.8	2992.0	2499.7	2178.4	1949.2	1772.7
10°	28758.5	20904.9	14149.3	9079.3	5910.9	4161.6	3190.4	2610.9	2243.5	1993.6	1804.0
7.5°	32668.0	23857.3	16335.4	10418.5	6559.0	4466.8	3347.3	2698.7	2294.9	2028.5	1828.6
5°	35572.4	26033.9	17937.7	11395.7	7030.3	4688.1	3460.8	2762.0	2331.9	2053.6	1846.4
2.5°	37364.7	27369.2	18916.6	11990.7	7316.6	4822.3	3529.5	2800.4	2354.2	2068.8	1857.0
0°	37970.9	27819.5	19245.9	12190.6	7412.6	4867.3	3552.5	2813.2	2361.7	2073.9	1860.6
-2.5°	37364.7	27369.2	18916.6	11990.7	7316.6	4822.3	3529.5	2800.4	2354.2	2068.8	1857.0
-5°	35572.4	26033.9	17937.7	11395.7	7030.3	4688.1	3460.8	2762.0	2331.9	2053.6	1846.4
-7.5°	32668.0	23857.3	16335.4	10418.5	6559.0	4466.8	3347.3	2698.7	2294.9	2028.5	1828.6
-10°	28758.5	20904.9	14149.3	9079.3	5910.9	4161.6	3190.4	2610.9	2243.5	1993.6	1804.0
-12.5°	24566.7	17607.8	11674.5	7407.9	5096.6	3776.8	2992.0	2499.7	2178.4	1949.2	1772.7
-15°	19883.0	14099.1	9506.2	6351.4	4485.5	3420.3	2777.4	2366.1	2100.0	1895.6	1734.8
-17.5°	15473.0	10810.2	7219.0	5146.9	3912.3	3123.2	2609.9	2266.0	2025.8	1839.7	1691.9
-20°	11252.4	7882.4	5775.1	4321.3	3395.4	2799.2	2421.6	2154.8	1949.5	1785.5	1650.9



REPORT NUMBER: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7882.4	5987.5	4529.7	3570.3	3002.4	2576.0	2267.6	2042.8	1864.9	1725.3	1605.2
-25°	5775.1	4529.7	3670.6	3110.3	2670.5	2344.6	2124.2	1943.7	1793.1	1666.3	1556.6
-27.5°	4321.3	3570.3	3110.3	2702.4	2396.0	2180.5	1997.3	1842.6	1716.8	1608.0	1512.4
-30°	3395.4	3002.4	2670.5	2396.0	2199.4	2024.4	1876.5	1755.7	1646.6	1548.9	1465.1
-32.5°	2799.2	2576.0	2344.6	2180.5	2024.4	1889.7	1775.4	1670.0	1576.1	1495.1	1414.9
-35°	2421.6	2267.6	2124.2	1997.3	1876.5	1775.4	1677.9	1591.4	1513.4	1438.5	1361.9
-37.5°	2154.8	2042.8	1943.7	1842.6	1755.7	1670.0	1591.4	1519.5	1450.5	1379.4	1311.6
-40°	1949.5	1864.9	1793.1	1716.8	1646.6	1576.1	1513.4	1450.5	1385.3	1321.5	1261.5
-42.5°	1785.5	1725.3	1666.3	1608.0	1548.9	1495.1	1438.5	1379.4	1321.5	1266.4	1211.8
-45°	1650.9	1605.2	1556.6	1512.4	1465.1	1414.9	1361.9	1311.6	1261.5	1211.8	1161.0
-47.5°	1537.1	1502.7	1464.9	1423.9	1379.9	1334.6	1291.8	1247.1	1202.7	1155.5	1097.1
-50°	1438.8	1407.1	1372.1	1335.6	1300.3	1262.7	1224.3	1184.6	1139.1	1086.3	1031.5
-52.5°	1340.6	1315.3	1287.5	1257.2	1225.9	1192.9	1157.2	1112.1	1064.9	1015.6	964.4
-55°	1254.6	1232.4	1208.2	1181.8	1151.6	1114.3	1074.8	1033.0	989.2	943.4	898.0
-57.5°	1172.6	1150.6	1123.5	1093.9	1062.0	1027.7	991.3	952.8	913.7	873.4	830.7
-60°	1074.8	1052.4	1027.7	1000.7	971.5	940.3	908.4	874.8	839.4	798.9	756.6
-62.5°	974.0	953.7	931.8	908.4	883.1	856.0	825.9	792.4	757.0	720.0	681.4
-65°	876.0	858.6	839.4	816.4	791.4	764.6	736.0	705.7	673.7	640.2	605.0
-67.5°	773.5	756.6	737.8	717.2	694.9	671.0	645.4	618.2	588.7	557.3	524.5
-70°	667.2	652.3	635.8	617.6	597.4	575.3	551.7	526.7	500.2	474.0	447.3
-72.5°	558.5	545.0	530.0	513.6	495.7	477.7	458.9	438.9	417.7	395.5	373.1
-75°	450.8	440.3	428.6	415.7	401.8	386.7	371.7	356.2	339.8	322.5	304.4
-77.5°	351.6	343.7	334.9	325.2	314.7	303.4	291.2	279.0	267.4	255.2	242.5
-80°	262.3	256.9	250.9	244.4	237.2	229.6	221.4	212.6	203.4	194.2	185.2
-82.5°	185.0	181.4	177.5	173.1	168.4	163.3	157.9	152.1	146.0	139.6	132.8
-85°	115.6	113.4	111.0	108.3	105.4	102.2	98.9	95.3	91.5	87.5	83.3
-87.5°	51.3	50.4	49.5	48.4	47.3	46.0	44.7	43.3	41.8	40.2	38.6
-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: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.9	35.1	33.2	31.3	29.3	27.3	25.2	23.1	20.9	18.7	16.4
85°	78.9	74.4	69.6	64.7	59.7	54.5	50.4	46.1	41.7	37.3	32.8
82.5°	125.8	118.8	111.7	104.4	96.8	89.1	81.1	73.0	64.7	56.2	49.1
80°	175.8	166.0	155.8	145.3	134.5	123.5	112.9	102.0	91.0	79.7	68.3
77.5°	229.1	215.3	200.9	187.5	174.0	160.1	145.9	131.4	117.1	103.0	88.8
75°	285.6	268.5	251.3	233.5	215.1	196.6	179.5	162.1	144.4	126.3	109.1
72.5°	351.1	328.2	304.5	280.5	259.1	237.2	214.7	192.6	171.9	150.9	129.6
70°	419.6	390.7	362.9	334.9	306.2	277.6	252.0	225.8	199.2	175.2	150.9
67.5°	490.5	458.0	424.4	389.8	356.8	323.7	289.9	259.4	229.6	199.2	171.9
65°	566.9	527.5	487.2	448.8	409.3	370.1	332.5	294.3	259.4	225.8	192.6
62.5°	641.2	599.1	554.3	508.3	463.5	419.1	374.5	332.5	289.9	252.0	214.7
60°	712.7	667.2	620.4	570.6	519.0	468.4	419.1	370.1	323.7	277.6	237.2
57.5°	783.0	733.7	683.0	630.8	576.0	519.0	463.5	409.3	356.8	306.2	259.1
55°	851.0	799.0	744.3	688.2	630.8	570.6	508.3	448.8	389.8	334.9	280.5
52.5°	912.9	860.8	804.4	744.3	683.0	620.4	554.3	487.2	424.4	362.9	304.5
50°	974.9	917.9	860.8	799.0	733.7	667.2	599.1	527.5	458.0	390.7	328.2
47.5°	1036.9	974.9	912.9	851.0	783.0	712.7	641.2	566.9	490.5	419.6	351.1
45°	1097.1	1031.5	964.4	898.0	830.7	756.6	681.4	605.0	524.5	447.3	373.1
42.5°	1155.5	1086.3	1015.6	943.4	873.4	798.9	720.0	640.2	557.3	474.0	395.5
40°	1202.7	1139.1	1064.9	989.2	913.7	839.4	757.0	673.7	588.7	500.2	417.7
37.5°	1247.1	1184.6	1112.1	1033.0	952.8	874.8	792.4	705.7	618.2	526.7	438.9
35°	1291.8	1224.3	1157.2	1074.8	991.3	908.4	825.9	736.0	645.4	551.7	458.9
32.5°	1334.6	1262.7	1192.9	1114.3	1027.7	940.3	856.0	764.6	671.0	575.3	477.7
30°	1379.9	1300.3	1225.9	1151.6	1062.0	971.5	883.1	791.4	694.9	597.4	495.7
27.5°	1423.9	1335.6	1257.2	1181.8	1093.9	1000.7	908.4	816.4	717.2	617.6	513.6
25°	1464.9	1372.1	1287.5	1208.2	1123.5	1027.7	931.8	839.4	737.8	635.8	530.0
22.5°	1502.7	1407.1	1315.3	1232.4	1150.6	1052.4	953.7	858.6	756.6	652.3	545.0
20°	1537.1	1438.8	1340.6	1254.6	1172.6	1074.8	974.0	876.0	773.5	667.2	558.5
17.5°	1569.1	1467.2	1366.1	1275.3	1190.5	1094.7	992.0	891.4	788.6	680.5	570.6
15°	1602.3	1492.2	1389.0	1293.5	1206.2	1112.1	1007.7	904.9	801.7	692.0	581.0
12.5°	1630.8	1513.5	1408.5	1308.9	1219.5	1126.9	1021.1	916.4	812.9	701.9	589.9
10°	1654.4	1531.2	1424.7	1321.7	1230.6	1139.1	1032.1	925.8	822.1	710.0	597.2
7.5°	1672.9	1545.0	1437.3	1331.7	1239.2	1148.7	1040.8	933.2	829.2	716.3	602.9
5°	1686.2	1554.9	1446.4	1338.8	1245.3	1155.5	1046.9	938.5	834.4	720.8	607.0
2.5°	1694.2	1560.9	1451.9	1343.2	1249.1	1159.6	1050.7	941.6	837.5	723.5	609.5
0°	1696.9	1562.9	1453.7	1344.6	1250.3	1161.0	1051.9	942.7	838.5	724.4	610.3
-2.5°	1694.2	1560.9	1451.9	1343.2	1249.1	1159.6	1050.7	941.6	837.5	723.5	609.5
-5°	1686.2	1554.9	1446.4	1338.8	1245.3	1155.5	1046.9	938.5	834.4	720.8	607.0
-7.5°	1672.9	1545.0	1437.3	1331.7	1239.2	1148.7	1040.8	933.2	829.2	716.3	602.9
-10°	1654.4	1531.2	1424.7	1321.7	1230.6	1139.1	1032.1	925.8	822.1	710.0	597.2
-12.5°	1630.8	1513.5	1408.5	1308.9	1219.5	1126.9	1021.1	916.4	812.9	701.9	589.9
-15°	1602.3	1492.2	1389.0	1293.5	1206.2	1112.1	1007.7	904.9	801.7	692.0	581.0
-17.5°	1569.1	1467.2	1366.1	1275.3	1190.5	1094.7	992.0	891.4	788.6	680.5	570.6
-20°	1537.1	1438.8	1340.6	1254.6	1172.6	1074.8	974.0	876.0	773.5	667.2	558.5

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

Scaled Data Report



REPORT NUMBER: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1502.7	1407.1	1315.3	1232.4	1150.6	1052.4	953.7	858.6	756.6	652.3	545.0
-25°	1464.9	1372.1	1287.5	1208.2	1123.5	1027.7	931.8	839.4	737.8	635.8	530.0
-27.5°	1423.9	1335.6	1257.2	1181.8	1093.9	1000.7	908.4	816.4	717.2	617.6	513.6
-30°	1379.9	1300.3	1225.9	1151.6	1062.0	971.5	883.1	791.4	694.9	597.4	495.7
-32.5°	1334.6	1262.7	1192.9	1114.3	1027.7	940.3	856.0	764.6	671.0	575.3	477.7
-35°	1291.8	1224.3	1157.2	1074.8	991.3	908.4	825.9	736.0	645.4	551.7	458.9
-37.5°	1247.1	1184.6	1112.1	1033.0	952.8	874.8	792.4	705.7	618.2	526.7	438.9
-40°	1202.7	1139.1	1064.9	989.2	913.7	839.4	757.0	673.7	588.7	500.2	417.7
-42.5°	1155.5	1086.3	1015.6	943.4	873.4	798.9	720.0	640.2	557.3	474.0	395.5
-45°	1097.1	1031.5	964.4	898.0	830.7	756.6	681.4	605.0	524.5	447.3	373.1
-47.5°	1036.9	974.9	912.9	851.0	783.0	712.7	641.2	566.9	490.5	419.6	351.1
-50°	974.9	917.9	860.8	799.0	733.7	667.2	599.1	527.5	458.0	390.7	328.2
-52.5°	912.9	860.8	804.4	744.3	683.0	620.4	554.3	487.2	424.4	362.9	304.5
-55°	851.0	799.0	744.3	688.2	630.8	570.6	508.3	448.8	389.8	334.9	280.5
-57.5°	783.0	733.7	683.0	630.8	576.0	519.0	463.5	409.3	356.8	306.2	259.1
-60°	712.7	667.2	620.4	570.6	519.0	468.4	419.1	370.1	323.7	277.6	237.2
-62.5°	641.2	599.1	554.3	508.3	463.5	419.1	374.5	332.5	289.9	252.0	214.7
-65°	566.9	527.5	487.2	448.8	409.3	370.1	332.5	294.3	259.4	225.8	192.6
-67.5°	490.5	458.0	424.4	389.8	356.8	323.7	289.9	259.4	229.6	199.2	171.9
-70°	419.6	390.7	362.9	334.9	306.2	277.6	252.0	225.8	199.2	175.2	150.9
-72.5°	351.1	328.2	304.5	280.5	259.1	237.2	214.7	192.6	171.9	150.9	129.6
-75°	285.6	268.5	251.3	233.5	215.1	196.6	179.5	162.1	144.4	126.3	109.1
-77.5°	229.1	215.3	200.9	187.5	174.0	160.1	145.9	131.4	117.1	103.0	88.8
-80°	175.8	166.0	155.8	145.3	134.5	123.5	112.9	102.0	91.0	79.7	68.3
-82.5°	125.8	118.8	111.7	104.4	96.8	89.1	81.1	73.0	64.7	56.2	49.1
-85°	78.9	74.4	69.6	64.7	59.7	54.5	50.4	46.1	41.7	37.3	32.8
-87.5°	36.9	35.1	33.2	31.3	29.3	27.3	25.2	23.1	20.9	18.7	16.4
-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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REPORT NUMBER: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

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°	14.1	11.8	9.5	7.1	4.8	2.4	0.0
85°	28.2	23.6	18.9	14.2	9.5	4.8	0.0
82.5°	42.3	35.4	28.4	21.3	14.2	7.1	0.0
80°	56.7	47.0	37.7	28.4	18.9	9.5	0.0
77.5°	74.3	59.7	47.0	35.4	23.6	11.8	0.0
75°	91.8	74.3	56.7	42.3	28.2	14.1	0.0
72.5°	109.1	88.8	68.3	49.1	32.8	16.4	0.0
70°	126.3	103.0	79.7	56.2	37.3	18.7	0.0
67.5°	144.4	117.1	91.0	64.7	41.7	20.9	0.0
65°	162.1	131.4	102.0	73.0	46.1	23.1	0.0
62.5°	179.5	145.9	112.9	81.1	50.4	25.2	0.0
60°	196.6	160.1	123.5	89.1	54.5	27.3	0.0
57.5°	215.1	174.0	134.5	96.8	59.7	29.3	0.0
55°	233.5	187.5	145.3	104.4	64.7	31.3	0.0
52.5°	251.3	200.9	155.8	111.7	69.6	33.2	0.0
50°	268.5	215.3	166.0	118.8	74.4	35.1	0.0
47.5°	285.6	229.1	175.8	125.8	78.9	36.9	0.0
45°	304.4	242.5	185.2	132.8	83.3	38.6	0.0
42.5°	322.5	255.2	194.2	139.6	87.5	40.2	0.0
40°	339.8	267.4	203.4	146.0	91.5	41.8	0.0
37.5°	356.2	279.0	212.6	152.1	95.3	43.3	0.0
35°	371.7	291.2	221.4	157.9	98.9	44.7	0.0
32.5°	386.7	303.4	229.6	163.3	102.2	46.0	0.0
30°	401.8	314.7	237.2	168.4	105.4	47.3	0.0
27.5°	415.7	325.2	244.4	173.1	108.3	48.4	0.0
25°	428.6	334.9	250.9	177.5	111.0	49.5	0.0
22.5°	440.3	343.7	256.9	181.4	113.4	50.4	0.0
20°	450.8	351.6	262.3	185.0	115.6	51.3	0.0
17.5°	460.2	358.7	267.0	188.1	117.6	52.1	0.0
15°	468.4	364.8	271.2	190.8	119.3	52.7	0.0
12.5°	475.3	370.1	274.7	193.2	120.7	53.3	0.0
10°	481.0	374.3	277.6	195.1	121.9	53.8	0.0
7.5°	485.5	377.7	279.9	196.6	122.8	54.1	0.0
5°	488.6	380.1	281.5	197.6	123.5	54.4	0.0
2.5°	490.6	381.5	282.5	198.3	123.9	54.5	0.0
0°	491.2	382.0	282.8	198.5	124.0	54.6	0.0
-2.5°	490.6	381.5	282.5	198.3	123.9	54.5	0.0
-5°	488.6	380.1	281.5	197.6	123.5	54.4	0.0
-7.5°	485.5	377.7	279.9	196.6	122.8	54.1	0.0
-10°	481.0	374.3	277.6	195.1	121.9	53.8	0.0
-12.5°	475.3	370.1	274.7	193.2	120.7	53.3	0.0
-15°	468.4	364.8	271.2	190.8	119.3	52.7	0.0
-17.5°	460.2	358.7	267.0	188.1	117.6	52.1	0.0
-20°	450.8	351.6	262.3	185.0	115.6	51.3	0.0

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REPORT NUMBER: P624772 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-44

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	440.3	343.7	256.9	181.4	113.4	50.4	0.0
-25°	428.6	334.9	250.9	177.5	111.0	49.5	0.0
-27.5°	415.7	325.2	244.4	173.1	108.3	48.4	0.0
-30°	401.8	314.7	237.2	168.4	105.4	47.3	0.0
-32.5°	386.7	303.4	229.6	163.3	102.2	46.0	0.0
-35°	371.7	291.2	221.4	157.9	98.9	44.7	0.0
-37.5°	356.2	279.0	212.6	152.1	95.3	43.3	0.0
-40°	339.8	267.4	203.4	146.0	91.5	41.8	0.0
-42.5°	322.5	255.2	194.2	139.6	87.5	40.2	0.0
-45°	304.4	242.5	185.2	132.8	83.3	38.6	0.0
-47.5°	285.6	229.1	175.8	125.8	78.9	36.9	0.0
-50°	268.5	215.3	166.0	118.8	74.4	35.1	0.0
-52.5°	251.3	200.9	155.8	111.7	69.6	33.2	0.0
-55°	233.5	187.5	145.3	104.4	64.7	31.3	0.0
-57.5°	215.1	174.0	134.5	96.8	59.7	29.3	0.0
-60°	196.6	160.1	123.5	89.1	54.5	27.3	0.0
-62.5°	179.5	145.9	112.9	81.1	50.4	25.2	0.0
-65°	162.1	131.4	102.0	73.0	46.1	23.1	0.0
-67.5°	144.4	117.1	91.0	64.7	41.7	20.9	0.0
-70°	126.3	103.0	79.7	56.2	37.3	18.7	0.0
-72.5°	109.1	88.8	68.3	49.1	32.8	16.4	0.0
-75°	91.8	74.3	56.7	42.3	28.2	14.1	0.0
-77.5°	74.3	59.7	47.0	35.4	23.6	11.8	0.0
-80°	56.7	47.0	37.7	28.4	18.9	9.5	0.0
-82.5°	42.3	35.4	28.4	21.3	14.2	7.1	0.0
-85°	28.2	23.6	18.9	14.2	9.5	4.8	0.0
-87.5°	14.1	11.8	9.5	7.1	4.8	2.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)