

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: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-4000K-22**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-121-58)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-VN-06-E-PRO-4000K-22
Description: EPHEBUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 22 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47164.3 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 13°H x 13°V
Beam Lumens: 16812.3 lumens
Beam Efficiency: 35.6%

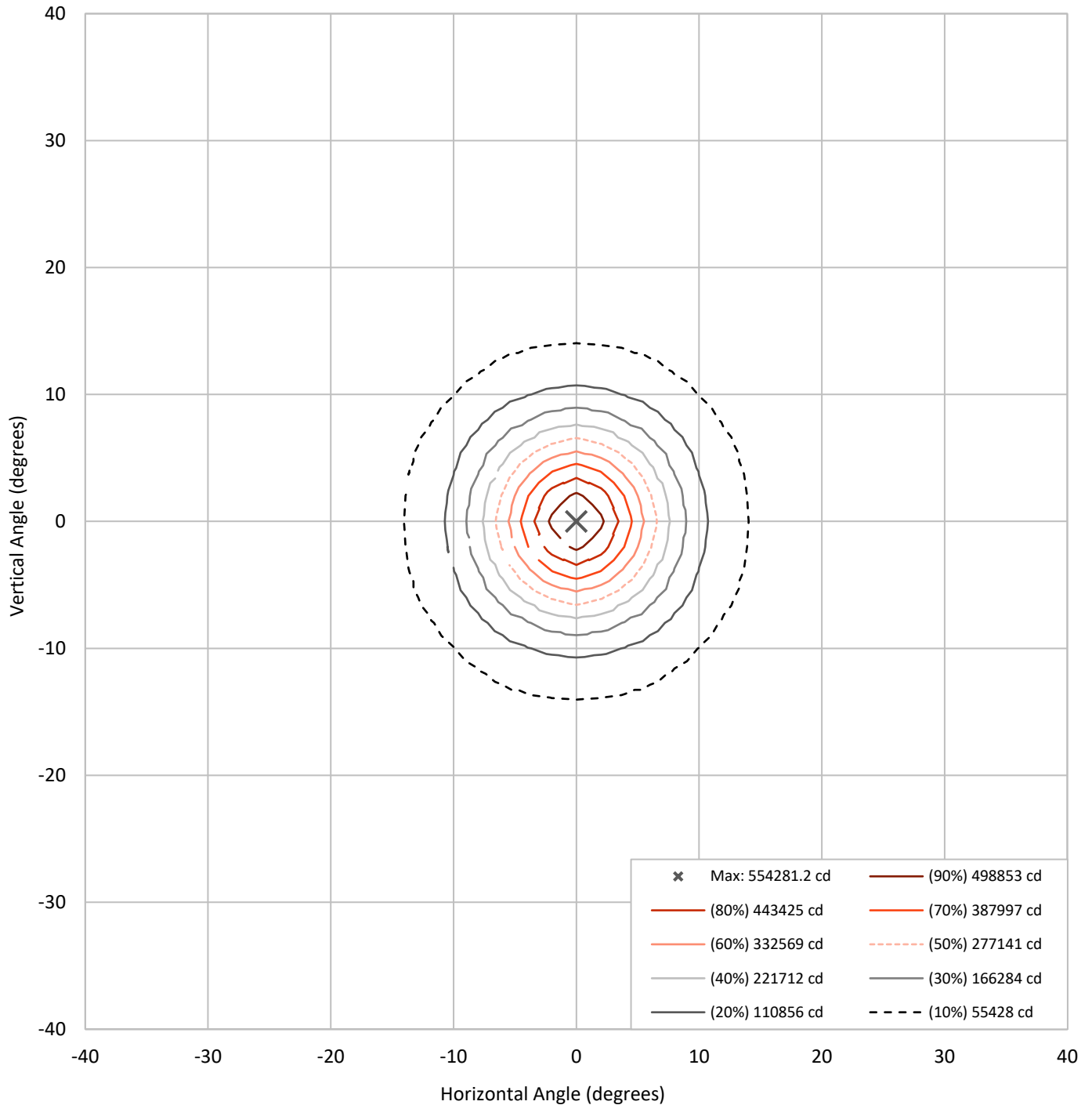
Field Angle (10%): 28.1°H x 28.1°V
Field Lumens: 33359.2 lumens
Field Efficiency: 70.7%

NEMA Type: 2H x 2V
Max Intensity: 554281.2 candela
Max Intensity Angle: 0°H x 0°V

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: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

Iso-Candela Plot





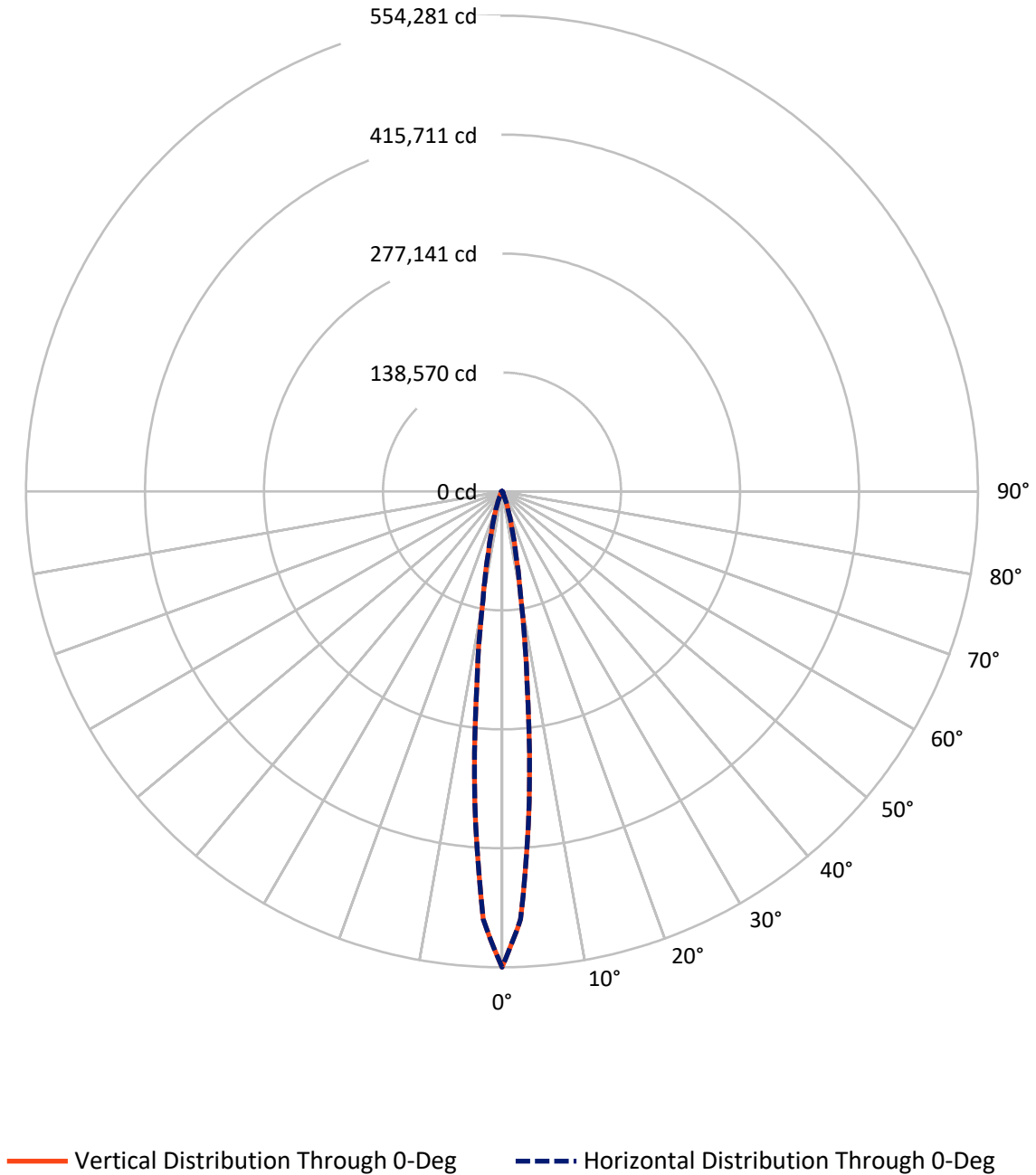
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Lumen Table

90																			
80	0.8	6.3		17.1		27.8		32.2		27.8		17.1		6.3		0.8			
70																			
60	2.9	3.3	6.9	11.4	16.0	19.9	22.7	24.2	24.2	22.7	19.9	16.0	11.4	6.9	3.3	2.9			
50		5.1	10.5	16.6	22.1	26.4	29.4	30.9	30.9	29.4	26.4	22.1	16.6	10.5	5.1				
40	5.4	6.9	13.5	20.1	25.7	30.9	35.9	39.2	39.2	35.9	30.9	25.7	20.1	13.5	6.9	5.4			
30		8.3	15.5	22.2	29.6	39.9	49.9	56.5	56.5	49.9	39.9	29.6	22.2	15.5	8.3				
20	7.2	9.4	16.8	24.2	36.1	52.8	93.1	173.9	173.9	93.1	52.8	36.1	24.2	16.8	9.4	7.2			
10		10.1	17.5	26.4	42.4	87.8	435.8	1326.7	1326.7	435.8	87.8	42.4	26.4	17.5	10.1				
0	7.8	10.4	17.9	27.9	46.6	159.9	1293.6	7154.6	7154.6	1293.6	159.9	46.6	27.9	17.9	10.4	7.8			
-10		10.4	17.9	27.9	46.6	159.9	1293.6	7154.6	7154.6	1293.6	159.9	46.6	27.9	17.9	10.4				
-20	7.2	10.1	17.5	26.4	42.4	87.8	435.8	1326.7	1326.7	435.8	87.8	42.4	26.4	17.5	10.1	7.2			
-30		9.4	16.8	24.2	36.1	52.8	93.1	173.9	173.9	93.1	52.8	36.1	24.2	16.8	9.4				
-40	5.4	8.3	15.5	22.2	29.6	39.9	49.9	56.5	56.5	49.9	39.9	29.6	22.2	15.5	8.3	5.4			
-50		6.9	13.5	20.1	25.7	30.9	35.9	39.2	39.2	35.9	30.9	25.7	20.1	13.5	6.9				
-60	2.9	5.1	10.5	16.6	22.1	26.4	29.4	30.9	30.9	29.4	26.4	22.1	16.6	10.5	5.1	2.9			
-70		3.3	6.9	11.4	16.0	19.9	22.7	24.2	24.2	22.7	19.9	16.0	11.4	6.9	3.3				
-80																			
-90	0.8	6.3		17.1		27.8		32.2		27.8		17.1		6.3		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

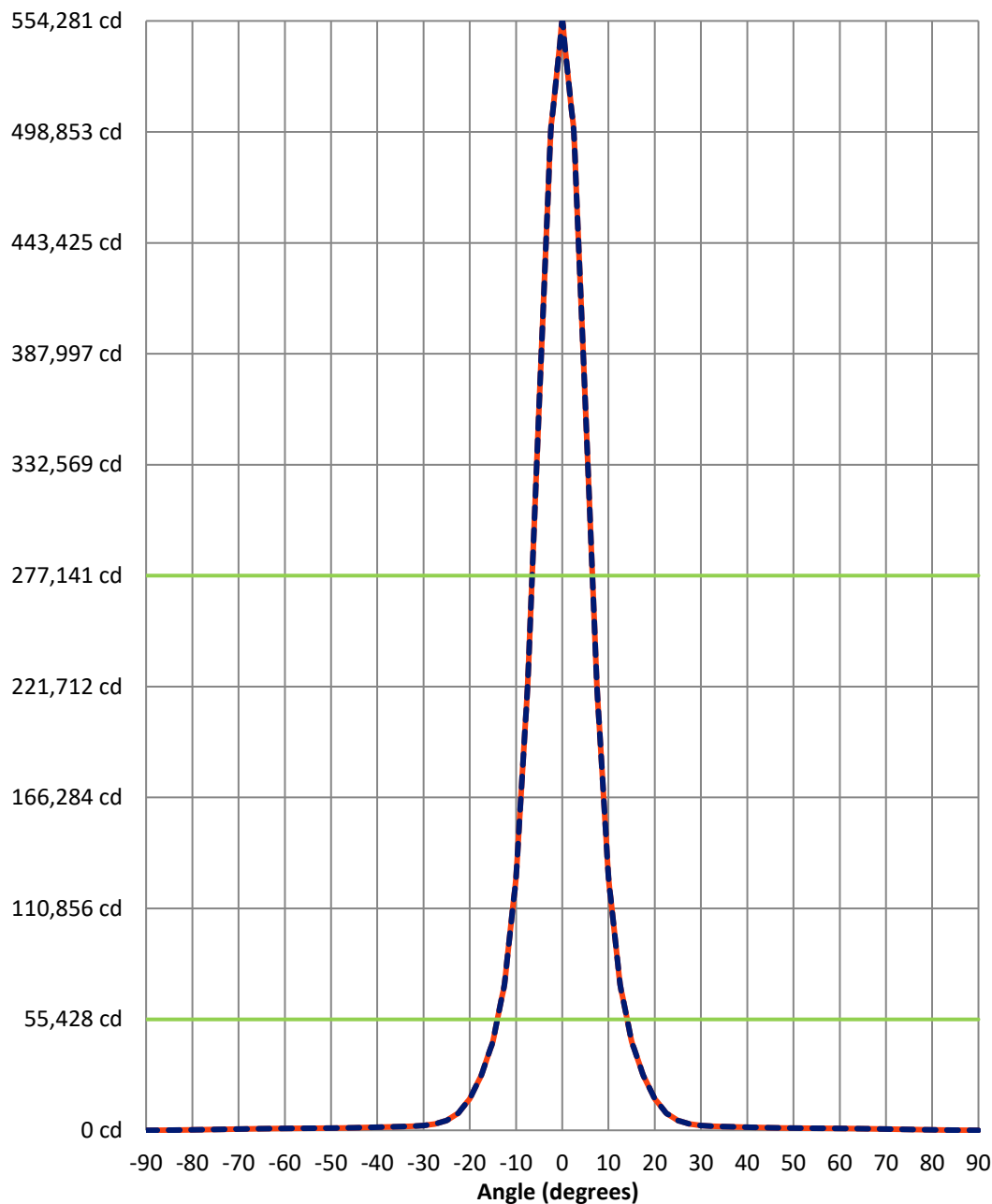
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 13°
 V Angle: 13°
 Lumens: 16812.3
 Efficiency: 35.6%

Field:
 H Angle: 28.1°
 V Angle: 28.1°
 Lumens: 33359.2
 Efficiency: 70.7%

Spill:
 Lumens: 13805.1
 Efficiency: 29.3%

— 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	1.7	3.5	5.2	6.9	8.7	10.3	12.0	13.7	15.3	16.9
85°	0.0	3.5	7.0	10.4	13.9	17.3	20.7	24.0	27.3	30.6	33.8
82.5°	0.0	5.2	10.4	15.6	20.8	25.9	31.0	36.0	41.2	47.2	53.2
80°	0.0	6.9	13.9	20.8	27.6	34.5	41.5	49.8	58.1	66.2	74.1
77.5°	0.0	8.7	17.3	25.9	34.5	43.7	54.2	64.6	74.8	84.9	96.3
75°	0.0	10.3	20.7	31.0	41.5	54.2	66.8	79.2	91.9	107.7	123.1
72.5°	0.0	12.0	24.0	36.0	49.8	64.6	79.2	94.8	113.3	131.6	149.6
70°	0.0	13.7	27.3	41.2	58.1	74.8	91.9	113.3	134.5	155.5	182.3
67.5°	0.0	15.3	30.6	47.2	66.2	84.9	107.7	131.6	155.5	186.1	216.2
65°	0.0	16.9	33.8	53.2	74.1	96.3	123.1	149.6	182.3	216.2	250.1
62.5°	0.0	18.5	36.9	59.1	81.9	109.0	138.3	171.1	208.7	246.1	284.8
60°	0.0	20.0	40.0	64.8	89.5	121.4	153.1	193.8	234.5	276.8	318.8
57.5°	0.0	21.5	43.7	70.4	99.1	133.5	171.6	215.9	260.9	306.8	355.8
55°	0.0	22.9	47.3	75.8	108.5	145.2	190.0	237.4	286.9	337.1	393.7
52.5°	0.0	24.3	50.8	81.1	117.6	157.2	208.0	259.4	312.2	370.4	430.7
50°	0.0	25.7	54.2	86.2	126.5	171.7	225.3	280.9	338.0	402.6	465.0
47.5°	0.0	27.0	57.5	91.4	135.0	185.6	242.2	301.6	365.7	433.8	498.0
45°	0.0	28.3	60.6	97.6	143.2	199.1	259.3	321.6	392.3	462.5	529.9
42.5°	0.0	29.5	63.6	103.5	151.1	211.9	275.7	342.6	418.0	490.0	560.6
40°	0.0	30.6	66.5	109.1	159.7	224.2	291.3	363.9	442.0	516.3	589.9
37.5°	0.0	31.7	69.2	114.4	169.0	235.9	306.2	384.2	464.2	541.4	617.9
35°	0.0	32.8	71.8	119.4	177.8	247.3	320.3	403.5	485.3	565.1	644.0
32.5°	0.0	33.7	74.2	124.2	186.1	258.3	334.1	421.6	505.1	587.5	667.8
30°	0.0	34.6	76.5	128.6	193.8	268.6	348.6	438.3	523.6	608.5	690.1
27.5°	0.0	35.5	78.6	132.7	201.0	278.1	362.0	453.3	540.8	628.0	710.8
25°	0.0	36.3	80.5	136.5	207.6	286.9	374.3	467.1	556.7	645.4	729.9
22.5°	0.0	37.0	82.3	139.9	213.6	294.9	385.6	479.7	571.2	661.1	745.6
20°	0.0	37.6	83.9	143.0	219.0	302.1	395.7	491.0	584.2	675.1	759.7
17.5°	0.0	38.1	85.3	145.7	223.8	308.5	404.7	501.1	595.8	687.7	772.3
15°	0.0	38.6	86.5	148.1	228.0	314.0	412.6	509.8	606.0	698.6	783.3
12.5°	0.0	39.1	87.5	150.2	231.6	318.8	419.2	517.3	614.6	707.9	792.6
10°	0.0	39.4	88.4	151.8	234.5	322.7	424.7	523.4	621.7	715.5	800.3
7.5°	0.0	39.7	89.0	153.1	236.8	325.7	429.0	528.2	627.2	721.5	806.3
5°	0.0	39.8	89.5	154.1	238.4	327.9	432.0	531.7	631.1	725.8	810.6
2.5°	0.0	40.0	89.8	154.6	239.4	329.2	433.9	533.7	633.5	728.3	813.2
0°	0.0	40.0	89.9	154.8	239.7	329.6	434.5	534.4	634.3	729.2	814.1
-2.5°	0.0	40.0	89.8	154.6	239.4	329.2	433.9	533.7	633.5	728.3	813.2
-5°	0.0	39.8	89.5	154.1	238.4	327.9	432.0	531.7	631.1	725.8	810.6
-7.5°	0.0	39.7	89.0	153.1	236.8	325.7	429.0	528.2	627.2	721.5	806.3
-10°	0.0	39.4	88.4	151.8	234.5	322.7	424.7	523.4	621.7	715.5	800.3
-12.5°	0.0	39.1	87.5	150.2	231.6	318.8	419.2	517.3	614.6	707.9	792.6
-15°	0.0	38.6	86.5	148.1	228.0	314.0	412.6	509.8	606.0	698.6	783.3
-17.5°	0.0	38.1	85.3	145.7	223.8	308.5	404.7	501.1	595.8	687.7	772.3
-20°	0.0	37.6	83.9	143.0	219.0	302.1	395.7	491.0	584.2	675.1	759.7

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Scaled Data Report



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	37.0	82.3	139.9	213.6	294.9	385.6	479.7	571.2	661.1	745.6
-25°	0.0	36.3	80.5	136.5	207.6	286.9	374.3	467.1	556.7	645.4	729.9
-27.5°	0.0	35.5	78.6	132.7	201.0	278.1	362.0	453.3	540.8	628.0	710.8
-30°	0.0	34.6	76.5	128.6	193.8	268.6	348.6	438.3	523.6	608.5	690.1
-32.5°	0.0	33.7	74.2	124.2	186.1	258.3	334.1	421.6	505.1	587.5	667.8
-35°	0.0	32.8	71.8	119.4	177.8	247.3	320.3	403.5	485.3	565.1	644.0
-37.5°	0.0	31.7	69.2	114.4	169.0	235.9	306.2	384.2	464.2	541.4	617.9
-40°	0.0	30.6	66.5	109.1	159.7	224.2	291.3	363.9	442.0	516.3	589.9
-42.5°	0.0	29.5	63.6	103.5	151.1	211.9	275.7	342.6	418.0	490.0	560.6
-45°	0.0	28.3	60.6	97.6	143.2	199.1	259.3	321.6	392.3	462.5	529.9
-47.5°	0.0	27.0	57.5	91.4	135.0	185.6	242.2	301.6	365.7	433.8	498.0
-50°	0.0	25.7	54.2	86.2	126.5	171.7	225.3	280.9	338.0	402.6	465.0
-52.5°	0.0	24.3	50.8	81.1	117.6	157.2	208.0	259.4	312.2	370.4	430.7
-55°	0.0	22.9	47.3	75.8	108.5	145.2	190.0	237.4	286.9	337.1	393.7
-57.5°	0.0	21.5	43.7	70.4	99.1	133.5	171.6	215.9	260.9	306.8	355.8
-60°	0.0	20.0	40.0	64.8	89.5	121.4	153.1	193.8	234.5	276.8	318.8
-62.5°	0.0	18.5	36.9	59.1	81.9	109.0	138.3	171.1	208.7	246.1	284.8
-65°	0.0	16.9	33.8	53.2	74.1	96.3	123.1	149.6	182.3	216.2	250.1
-67.5°	0.0	15.3	30.6	47.2	66.2	84.9	107.7	131.6	155.5	186.1	216.2
-70°	0.0	13.7	27.3	41.2	58.1	74.8	91.9	113.3	134.5	155.5	182.3
-72.5°	0.0	12.0	24.0	36.0	49.8	64.6	79.2	94.8	113.3	131.6	149.6
-75°	0.0	10.3	20.7	31.0	41.5	54.2	66.8	79.2	91.9	107.7	123.1
-77.5°	0.0	8.7	17.3	25.9	34.5	43.7	54.2	64.6	74.8	84.9	96.3
-80°	0.0	6.9	13.9	20.8	27.6	34.5	41.5	49.8	58.1	66.2	74.1
-82.5°	0.0	5.2	10.4	15.6	20.8	25.9	31.0	36.0	41.2	47.2	53.2
-85°	0.0	3.5	7.0	10.4	13.9	17.3	20.7	24.0	27.3	30.6	33.8
-87.5°	0.0	1.7	3.5	5.2	6.9	8.7	10.3	12.0	13.7	15.3	16.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

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°	18.5	20.0	21.5	22.9	24.3	25.7	27.0	28.3	29.5	30.6	31.7
85°	36.9	40.0	43.7	47.3	50.8	54.2	57.5	60.6	63.6	66.5	69.2
82.5°	59.1	64.8	70.4	75.8	81.1	86.2	91.4	97.6	103.5	109.1	114.4
80°	81.9	89.5	99.1	108.5	117.6	126.5	135.0	143.2	151.1	159.7	169.0
77.5°	109.0	121.4	133.5	145.2	157.2	171.7	185.6	199.1	211.9	224.2	235.9
75°	138.3	153.1	171.6	190.0	208.0	225.3	242.2	259.3	275.7	291.3	306.2
72.5°	171.1	193.8	215.9	237.4	259.4	280.9	301.6	321.6	342.6	363.9	384.2
70°	208.7	234.5	260.9	286.9	312.2	338.0	365.7	392.3	418.0	442.0	464.2
67.5°	246.1	276.8	306.8	337.1	370.4	402.6	433.8	462.5	490.0	516.3	541.4
65°	284.8	318.8	355.8	393.7	430.7	465.0	498.0	529.9	560.6	589.9	617.9
62.5°	322.8	365.2	407.9	448.8	487.5	525.0	561.5	596.6	630.4	661.4	690.8
60°	365.2	412.6	457.8	501.1	543.2	584.2	624.0	661.1	696.2	729.9	758.8
57.5°	407.9	457.8	505.6	552.4	598.0	642.1	683.0	722.7	757.6	790.5	820.6
55°	448.8	501.1	552.4	602.6	650.9	696.4	739.4	777.7	814.6	843.9	872.0
52.5°	487.5	543.2	598.0	650.9	700.8	747.4	789.8	828.0	860.8	890.6	914.4
50°	525.0	584.2	642.1	696.4	747.4	793.9	834.8	871.1	901.4	928.0	950.9
47.5°	561.5	624.0	683.0	739.4	789.8	834.8	874.5	906.9	936.2	960.0	982.3
45°	596.6	661.1	722.7	777.7	828.0	871.1	906.9	939.0	964.5	988.7	1009.9
42.5°	630.4	696.2	757.6	814.6	860.8	901.4	936.2	964.5	990.7	1014.1	1036.7
40°	661.4	729.9	790.5	843.9	890.6	928.0	960.0	988.7	1014.1	1038.8	1062.7
37.5°	690.8	758.8	820.6	872.0	914.4	950.9	982.3	1009.9	1036.7	1062.7	1094.0
35°	718.8	786.2	845.2	895.6	937.1	970.8	1001.5	1030.2	1058.3	1091.2	1127.6
32.5°	743.4	812.1	868.6	915.5	955.0	989.2	1019.7	1049.7	1082.8	1120.2	1165.7
30°	765.6	832.5	889.2	934.3	971.6	1005.1	1036.8	1069.1	1107.4	1154.3	1216.4
27.5°	786.2	851.3	905.2	949.4	986.8	1020.1	1053.0	1090.7	1135.7	1191.4	1272.1
25°	805.2	868.6	920.1	962.7	999.7	1034.0	1069.0	1110.9	1163.9	1240.3	1336.1
22.5°	821.2	884.4	933.8	974.9	1011.5	1046.8	1086.3	1134.3	1196.9	1286.3	1398.8
20°	834.1	895.6	944.8	985.7	1022.2	1058.4	1102.0	1156.4	1235.5	1339.8	1457.8
17.5°	845.7	905.6	953.8	994.5	1031.8	1070.1	1116.8	1176.3	1270.2	1388.1	1511.8
15°	855.8	914.4	961.7	1002.2	1040.2	1081.5	1132.9	1203.0	1305.8	1431.2	1559.8
12.5°	864.4	921.8	968.4	1008.8	1047.3	1091.2	1146.7	1227.3	1339.6	1469.3	1604.1
10°	871.4	928.0	974.0	1014.2	1053.3	1099.3	1158.1	1247.3	1367.7	1500.9	1641.0
7.5°	877.0	932.8	978.3	1018.4	1057.9	1105.6	1167.1	1263.1	1389.8	1525.8	1670.2
5°	880.9	936.2	981.4	1021.5	1061.2	1110.2	1173.5	1274.5	1405.7	1543.8	1691.2
2.5°	883.3	938.3	983.3	1023.3	1063.2	1112.9	1177.4	1281.3	1415.3	1554.7	1703.9
0°	884.1	939.0	983.9	1023.9	1063.9	1113.8	1178.7	1283.6	1418.5	1558.3	1708.2
-2.5°	883.3	938.3	983.3	1023.3	1063.2	1112.9	1177.4	1281.3	1415.3	1554.7	1703.9
-5°	880.9	936.2	981.4	1021.5	1061.2	1110.2	1173.5	1274.5	1405.7	1543.8	1691.2
-7.5°	877.0	932.8	978.3	1018.4	1057.9	1105.6	1167.1	1263.1	1389.8	1525.8	1670.2
-10°	871.4	928.0	974.0	1014.2	1053.3	1099.3	1158.1	1247.3	1367.7	1500.9	1641.0
-12.5°	864.4	921.8	968.4	1008.8	1047.3	1091.2	1146.7	1227.3	1339.6	1469.3	1604.1
-15°	855.8	914.4	961.7	1002.2	1040.2	1081.5	1132.9	1203.0	1305.8	1431.2	1559.8
-17.5°	845.7	905.6	953.8	994.5	1031.8	1070.1	1116.8	1176.3	1270.2	1388.1	1511.8
-20°	834.1	895.6	944.8	985.7	1022.2	1058.4	1102.0	1156.4	1235.5	1339.8	1457.8

Classified

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

Scaled Data Report



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	821.2	884.4	933.8	974.9	1011.5	1046.8	1086.3	1134.3	1196.9	1286.3	1398.8
-25°	805.2	868.6	920.1	962.7	999.7	1034.0	1069.0	1110.9	1163.9	1240.3	1336.1
-27.5°	786.2	851.3	905.2	949.4	986.8	1020.1	1053.0	1090.7	1135.7	1191.4	1272.1
-30°	765.6	832.5	889.2	934.3	971.6	1005.1	1036.8	1069.1	1107.4	1154.3	1216.4
-32.5°	743.4	812.1	868.6	915.5	955.0	989.2	1019.7	1049.7	1082.8	1120.2	1165.7
-35°	718.8	786.2	845.2	895.6	937.1	970.8	1001.5	1030.2	1058.3	1091.2	1127.6
-37.5°	690.8	758.8	820.6	872.0	914.4	950.9	982.3	1009.9	1036.7	1062.7	1094.0
-40°	661.4	729.9	790.5	843.9	890.6	928.0	960.0	988.7	1014.1	1038.8	1062.7
-42.5°	630.4	696.2	757.6	814.6	860.8	901.4	936.2	964.5	990.7	1014.1	1036.7
-45°	596.6	661.1	722.7	777.7	828.0	871.1	906.9	939.0	964.5	988.7	1009.9
-47.5°	561.5	624.0	683.0	739.4	789.8	834.8	874.5	906.9	936.2	960.0	982.3
-50°	525.0	584.2	642.1	696.4	747.4	793.9	834.8	871.1	901.4	928.0	950.9
-52.5°	487.5	543.2	598.0	650.9	700.8	747.4	789.8	828.0	860.8	890.6	914.4
-55°	448.8	501.1	552.4	602.6	650.9	696.4	739.4	777.7	814.6	843.9	872.0
-57.5°	407.9	457.8	505.6	552.4	598.0	642.1	683.0	722.7	757.6	790.5	820.6
-60°	365.2	412.6	457.8	501.1	543.2	584.2	624.0	661.1	696.2	729.9	758.8
-62.5°	322.8	365.2	407.9	448.8	487.5	525.0	561.5	596.6	630.4	661.4	690.8
-65°	284.8	318.8	355.8	393.7	430.7	465.0	498.0	529.9	560.6	589.9	617.9
-67.5°	246.1	276.8	306.8	337.1	370.4	402.6	433.8	462.5	490.0	516.3	541.4
-70°	208.7	234.5	260.9	286.9	312.2	338.0	365.7	392.3	418.0	442.0	464.2
-72.5°	171.1	193.8	215.9	237.4	259.4	280.9	301.6	321.6	342.6	363.9	384.2
-75°	138.3	153.1	171.6	190.0	208.0	225.3	242.2	259.3	275.7	291.3	306.2
-77.5°	109.0	121.4	133.5	145.2	157.2	171.7	185.6	199.1	211.9	224.2	235.9
-80°	81.9	89.5	99.1	108.5	117.6	126.5	135.0	143.2	151.1	159.7	169.0
-82.5°	59.1	64.8	70.4	75.8	81.1	86.2	91.4	97.6	103.5	109.1	114.4
-85°	36.9	40.0	43.7	47.3	50.8	54.2	57.5	60.6	63.6	66.5	69.2
-87.5°	18.5	20.0	21.5	22.9	24.3	25.7	27.0	28.3	29.5	30.6	31.7
-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: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

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°	32.8	33.7	34.6	35.5	36.3	37.0	37.6	38.1	38.6	39.1	39.4
85°	71.8	74.2	76.5	78.6	80.5	82.3	83.9	85.3	86.5	87.5	88.4
82.5°	119.4	124.2	128.6	132.7	136.5	139.9	143.0	145.7	148.1	150.2	151.8
80°	177.8	186.1	193.8	201.0	207.6	213.6	219.0	223.8	228.0	231.6	234.5
77.5°	247.3	258.3	268.6	278.1	286.9	294.9	302.1	308.5	314.0	318.8	322.7
75°	320.3	334.1	348.6	362.0	374.3	385.6	395.7	404.7	412.6	419.2	424.7
72.5°	403.5	421.6	438.3	453.3	467.1	479.7	491.0	501.1	509.8	517.3	523.4
70°	485.3	505.1	523.6	540.8	556.7	571.2	584.2	595.8	606.0	614.6	621.7
67.5°	565.1	587.5	608.5	628.0	645.4	661.1	675.1	687.7	698.6	707.9	715.5
65°	644.0	667.8	690.1	710.8	729.9	745.6	759.7	772.3	783.3	792.6	800.3
62.5°	718.8	743.4	765.6	786.2	805.2	821.2	834.1	845.7	855.8	864.4	871.4
60°	786.2	812.1	832.5	851.3	868.6	884.4	895.6	905.6	914.4	921.8	928.0
57.5°	845.2	868.6	889.2	905.2	920.1	933.8	944.8	953.8	961.7	968.4	974.0
55°	895.6	915.5	934.3	949.4	962.7	974.9	985.7	994.5	1002.2	1008.8	1014.2
52.5°	937.1	955.0	971.6	986.8	999.7	1011.5	1022.2	1031.8	1040.2	1047.3	1053.3
50°	970.8	989.2	1005.1	1020.1	1034.0	1046.8	1058.4	1070.1	1081.5	1091.2	1099.3
47.5°	1001.5	1019.7	1036.8	1053.0	1069.0	1086.3	1102.0	1116.8	1132.9	1146.7	1158.1
45°	1030.2	1049.7	1069.1	1090.7	1110.9	1134.3	1156.4	1176.3	1203.0	1227.3	1247.3
42.5°	1058.3	1082.8	1107.4	1135.7	1163.9	1196.9	1235.5	1270.2	1305.8	1339.6	1367.7
40°	1091.2	1120.2	1154.3	1191.4	1240.3	1286.3	1339.8	1388.1	1431.2	1469.3	1500.9
37.5°	1127.6	1165.7	1216.4	1272.1	1336.1	1398.8	1457.8	1511.8	1559.8	1604.1	1641.0
35°	1169.5	1229.0	1293.7	1370.0	1442.9	1512.6	1578.2	1640.7	1696.3	1744.4	1784.6
32.5°	1229.0	1302.0	1387.2	1470.3	1550.0	1629.5	1703.6	1771.0	1831.2	1888.7	1941.3
30°	1293.7	1387.2	1479.5	1569.7	1660.8	1746.5	1826.2	1907.2	1985.6	2070.2	2185.2
27.5°	1370.0	1470.3	1569.7	1671.4	1768.4	1860.4	1963.1	2077.3	2247.5	2396.7	2674.4
25°	1442.9	1550.0	1660.8	1768.4	1874.2	1991.6	2166.1	2370.0	2745.4	3105.8	3670.0
22.5°	1512.6	1629.5	1746.5	1860.4	1991.6	2196.1	2475.5	2962.1	3657.7	4514.6	5620.2
20°	1578.2	1703.6	1826.2	1963.1	2166.1	2475.5	3035.7	3993.2	5185.7	7177.5	9230.7
17.5°	1640.7	1771.0	1907.2	2077.3	2370.0	2962.1	3993.2	5566.4	7984.8	11772.1	15578.0
15°	1696.3	1831.2	1985.6	2247.5	2745.4	3657.7	5185.7	7984.8	12643.8	18464.9	25366.8
12.5°	1744.4	1888.7	2070.2	2396.7	3105.8	4514.6	7177.5	11772.1	18464.9	27043.1	37961.9
10°	1784.6	1941.3	2185.2	2674.4	3670.0	5620.2	9230.7	15578.0	25366.8	37961.9	54635.8
7.5°	1816.4	1983.0	2276.8	2897.0	4203.9	6875.8	12019.8	20532.5	32733.6	49607.3	73455.3
5°	1839.4	2013.3	2343.4	3059.5	4595.2	7801.4	14092.0	24357.4	39074.4	62145.2	101311.7
2.5°	1853.3	2031.7	2383.8	3158.4	4834.3	8369.3	15370.6	26737.0	43066.7	70185.9	119716.6
0°	1858.0	2037.8	2397.4	3191.6	4914.7	8560.8	15803.1	27545.5	44432.4	72966.8	126204.8
-2.5°	1853.3	2031.7	2383.8	3158.4	4834.3	8369.3	15370.6	26737.0	43066.7	70185.9	119716.6
-5°	1839.4	2013.3	2343.4	3059.5	4595.2	7801.4	14092.0	24357.4	39074.4	62145.2	101311.7
-7.5°	1816.4	1983.0	2276.8	2897.0	4203.9	6875.8	12019.8	20532.5	32733.6	49607.3	73455.3
-10°	1784.6	1941.3	2185.2	2674.4	3670.0	5620.2	9230.7	15578.0	25366.8	37961.9	54635.8
-12.5°	1744.4	1888.7	2070.2	2396.7	3105.8	4514.6	7177.5	11772.1	18464.9	27043.1	37961.9
-15°	1696.3	1831.2	1985.6	2247.5	2745.4	3657.7	5185.7	7984.8	12643.8	18464.9	25366.8
-17.5°	1640.7	1771.0	1907.2	2077.3	2370.0	2962.1	3993.2	5566.4	7984.8	11772.1	15578.0
-20°	1578.2	1703.6	1826.2	1963.1	2166.1	2475.5	3035.7	3993.2	5185.7	7177.5	9230.7



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1512.6	1629.5	1746.5	1860.4	1991.6	2196.1	2475.5	2962.1	3657.7	4514.6	5620.2
-25°	1442.9	1550.0	1660.8	1768.4	1874.2	1991.6	2166.1	2370.0	2745.4	3105.8	3670.0
-27.5°	1370.0	1470.3	1569.7	1671.4	1768.4	1860.4	1963.1	2077.3	2247.5	2396.7	2674.4
-30°	1293.7	1387.2	1479.5	1569.7	1660.8	1746.5	1826.2	1907.2	1985.6	2070.2	2185.2
-32.5°	1229.0	1302.0	1387.2	1470.3	1550.0	1629.5	1703.6	1771.0	1831.2	1888.7	1941.3
-35°	1169.5	1229.0	1293.7	1370.0	1442.9	1512.6	1578.2	1640.7	1696.3	1744.4	1784.6
-37.5°	1127.6	1165.7	1216.4	1272.1	1336.1	1398.8	1457.8	1511.8	1559.8	1604.1	1641.0
-40°	1091.2	1120.2	1154.3	1191.4	1240.3	1286.3	1339.8	1388.1	1431.2	1469.3	1500.9
-42.5°	1058.3	1082.8	1107.4	1135.7	1163.9	1196.9	1235.5	1270.2	1305.8	1339.6	1367.7
-45°	1030.2	1049.7	1069.1	1090.7	1110.9	1134.3	1156.4	1176.3	1203.0	1227.3	1247.3
-47.5°	1001.5	1019.7	1036.8	1053.0	1069.0	1086.3	1102.0	1116.8	1132.9	1146.7	1158.1
-50°	970.8	989.2	1005.1	1020.1	1034.0	1046.8	1058.4	1070.1	1081.5	1091.2	1099.3
-52.5°	937.1	955.0	971.6	986.8	999.7	1011.5	1022.2	1031.8	1040.2	1047.3	1053.3
-55°	895.6	915.5	934.3	949.4	962.7	974.9	985.7	994.5	1002.2	1008.8	1014.2
-57.5°	845.2	868.6	889.2	905.2	920.1	933.8	944.8	953.8	961.7	968.4	974.0
-60°	786.2	812.1	832.5	851.3	868.6	884.4	895.6	905.6	914.4	921.8	928.0
-62.5°	718.8	743.4	765.6	786.2	805.2	821.2	834.1	845.7	855.8	864.4	871.4
-65°	644.0	667.8	690.1	710.8	729.9	745.6	759.7	772.3	783.3	792.6	800.3
-67.5°	565.1	587.5	608.5	628.0	645.4	661.1	675.1	687.7	698.6	707.9	715.5
-70°	485.3	505.1	523.6	540.8	556.7	571.2	584.2	595.8	606.0	614.6	621.7
-72.5°	403.5	421.6	438.3	453.3	467.1	479.7	491.0	501.1	509.8	517.3	523.4
-75°	320.3	334.1	348.6	362.0	374.3	385.6	395.7	404.7	412.6	419.2	424.7
-77.5°	247.3	258.3	268.6	278.1	286.9	294.9	302.1	308.5	314.0	318.8	322.7
-80°	177.8	186.1	193.8	201.0	207.6	213.6	219.0	223.8	228.0	231.6	234.5
-82.5°	119.4	124.2	128.6	132.7	136.5	139.9	143.0	145.7	148.1	150.2	151.8
-85°	71.8	74.2	76.5	78.6	80.5	82.3	83.9	85.3	86.5	87.5	88.4
-87.5°	32.8	33.7	34.6	35.5	36.3	37.0	37.6	38.1	38.6	39.1	39.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

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°	39.7	39.8	40.0	40.0	40.0	39.8	39.7	39.4	39.1	38.6	38.1
85°	89.0	89.5	89.8	89.9	89.8	89.5	89.0	88.4	87.5	86.5	85.3
82.5°	153.1	154.1	154.6	154.8	154.6	154.1	153.1	151.8	150.2	148.1	145.7
80°	236.8	238.4	239.4	239.7	239.4	238.4	236.8	234.5	231.6	228.0	223.8
77.5°	325.7	327.9	329.2	329.6	329.2	327.9	325.7	322.7	318.8	314.0	308.5
75°	429.0	432.0	433.9	434.5	433.9	432.0	429.0	424.7	419.2	412.6	404.7
72.5°	528.2	531.7	533.7	534.4	533.7	531.7	528.2	523.4	517.3	509.8	501.1
70°	627.2	631.1	633.5	634.3	633.5	631.1	627.2	621.7	614.6	606.0	595.8
67.5°	721.5	725.8	728.3	729.2	728.3	725.8	721.5	715.5	707.9	698.6	687.7
65°	806.3	810.6	813.2	814.1	813.2	810.6	806.3	800.3	792.6	783.3	772.3
62.5°	877.0	880.9	883.3	884.1	883.3	880.9	877.0	871.4	864.4	855.8	845.7
60°	932.8	936.2	938.3	939.0	938.3	936.2	932.8	928.0	921.8	914.4	905.6
57.5°	978.3	981.4	983.3	983.9	983.3	981.4	978.3	974.0	968.4	961.7	953.8
55°	1018.4	1021.5	1023.3	1023.9	1023.3	1021.5	1018.4	1014.2	1008.8	1002.2	994.5
52.5°	1057.9	1061.2	1063.2	1063.9	1063.2	1061.2	1057.9	1053.3	1047.3	1040.2	1031.8
50°	1105.6	1110.2	1112.9	1113.8	1112.9	1110.2	1105.6	1099.3	1091.2	1081.5	1070.1
47.5°	1167.1	1173.5	1177.4	1178.7	1177.4	1173.5	1167.1	1158.1	1146.7	1132.9	1116.8
45°	1263.1	1274.5	1281.3	1283.6	1281.3	1274.5	1263.1	1247.3	1227.3	1203.0	1176.3
42.5°	1389.8	1405.7	1415.3	1418.5	1415.3	1405.7	1389.8	1367.7	1339.6	1305.8	1270.2
40°	1525.8	1543.8	1554.7	1558.3	1554.7	1543.8	1525.8	1500.9	1469.3	1431.2	1388.1
37.5°	1670.2	1691.2	1703.9	1708.2	1703.9	1691.2	1670.2	1641.0	1604.1	1559.8	1511.8
35°	1816.4	1839.4	1853.3	1858.0	1853.3	1839.4	1816.4	1784.6	1744.4	1696.3	1640.7
32.5°	1983.0	2013.3	2031.7	2037.8	2031.7	2013.3	1983.0	1941.3	1888.7	1831.2	1771.0
30°	2276.8	2343.4	2383.8	2397.4	2383.8	2343.4	2276.8	2185.2	2070.2	1985.6	1907.2
27.5°	2897.0	3059.5	3158.4	3191.6	3158.4	3059.5	2897.0	2674.4	2396.7	2247.5	2077.3
25°	4203.9	4595.2	4834.3	4914.7	4834.3	4595.2	4203.9	3670.0	3105.8	2745.4	2370.0
22.5°	6875.8	7801.4	8369.3	8560.8	8369.3	7801.4	6875.8	5620.2	4514.6	3657.7	2962.1
20°	12019.8	14092.0	15370.6	15803.1	15370.6	14092.0	12019.8	9230.7	7177.5	5185.7	3993.2
17.5°	20532.5	24357.4	26737.0	27545.5	26737.0	24357.4	20532.5	15578.0	11772.1	7984.8	5566.4
15°	32733.6	39074.4	43066.7	44432.4	43066.7	39074.4	32733.6	25366.8	18464.9	12643.8	7984.8
12.5°	49607.3	62145.2	70185.9	72966.8	70185.9	62145.2	49607.3	37961.9	27043.1	18464.9	11772.1
10°	73455.3	101311.7	119716.6	126204.8	119716.6	101311.7	73455.3	54635.8	37961.9	25366.8	15578.0
7.5°	113610.6	157831.7	202716.7	221742.5	202716.7	157831.7	113610.6	73455.3	49607.3	32733.6	20532.5
5°	157831.7	242182.6	326137.1	362391.7	326137.1	242182.6	157831.7	101311.7	62145.2	39074.4	24357.4
2.5°	202716.7	326137.1	449575.8	498848.1	449575.8	326137.1	202716.7	119716.6	70185.9	43066.7	26737.0
0°	221742.5	362391.7	498848.1	554281.2	498848.1	362391.7	221742.5	126204.8	72966.8	44432.4	27545.5
-2.5°	202716.7	326137.1	449575.8	498848.1	449575.8	326137.1	202716.7	119716.6	70185.9	43066.7	26737.0
-5°	157831.7	242182.6	326137.1	362391.7	326137.1	242182.6	157831.7	101311.7	62145.2	39074.4	24357.4
-7.5°	113610.6	157831.7	202716.7	221742.5	202716.7	157831.7	113610.6	73455.3	49607.3	32733.6	20532.5
-10°	73455.3	101311.7	119716.6	126204.8	119716.6	101311.7	73455.3	54635.8	37961.9	25366.8	15578.0
-12.5°	49607.3	62145.2	70185.9	72966.8	70185.9	62145.2	49607.3	37961.9	27043.1	18464.9	11772.1
-15°	32733.6	39074.4	43066.7	44432.4	43066.7	39074.4	32733.6	25366.8	18464.9	12643.8	7984.8
-17.5°	20532.5	24357.4	26737.0	27545.5	26737.0	24357.4	20532.5	15578.0	11772.1	7984.8	5566.4
-20°	12019.8	14092.0	15370.6	15803.1	15370.6	14092.0	12019.8	9230.7	7177.5	5185.7	3993.2



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6875.8	7801.4	8369.3	8560.8	8369.3	7801.4	6875.8	5620.2	4514.6	3657.7	2962.1
-25°	4203.9	4595.2	4834.3	4914.7	4834.3	4595.2	4203.9	3670.0	3105.8	2745.4	2370.0
-27.5°	2897.0	3059.5	3158.4	3191.6	3158.4	3059.5	2897.0	2674.4	2396.7	2247.5	2077.3
-30°	2276.8	2343.4	2383.8	2397.4	2383.8	2343.4	2276.8	2185.2	2070.2	1985.6	1907.2
-32.5°	1983.0	2013.3	2031.7	2037.8	2031.7	2013.3	1983.0	1941.3	1888.7	1831.2	1771.0
-35°	1816.4	1839.4	1853.3	1858.0	1853.3	1839.4	1816.4	1784.6	1744.4	1696.3	1640.7
-37.5°	1670.2	1691.2	1703.9	1708.2	1703.9	1691.2	1670.2	1641.0	1604.1	1559.8	1511.8
-40°	1525.8	1543.8	1554.7	1558.3	1554.7	1543.8	1525.8	1500.9	1469.3	1431.2	1388.1
-42.5°	1389.8	1405.7	1415.3	1418.5	1415.3	1405.7	1389.8	1367.7	1339.6	1305.8	1270.2
-45°	1263.1	1274.5	1281.3	1283.6	1281.3	1274.5	1263.1	1247.3	1227.3	1203.0	1176.3
-47.5°	1167.1	1173.5	1177.4	1178.7	1177.4	1173.5	1167.1	1158.1	1146.7	1132.9	1116.8
-50°	1105.6	1110.2	1112.9	1113.8	1112.9	1110.2	1105.6	1099.3	1091.2	1081.5	1070.1
-52.5°	1057.9	1061.2	1063.2	1063.9	1063.2	1061.2	1057.9	1053.3	1047.3	1040.2	1031.8
-55°	1018.4	1021.5	1023.3	1023.9	1023.3	1021.5	1018.4	1014.2	1008.8	1002.2	994.5
-57.5°	978.3	981.4	983.3	983.9	983.3	981.4	978.3	974.0	968.4	961.7	953.8
-60°	932.8	936.2	938.3	939.0	938.3	936.2	932.8	928.0	921.8	914.4	905.6
-62.5°	877.0	880.9	883.3	884.1	883.3	880.9	877.0	871.4	864.4	855.8	845.7
-65°	806.3	810.6	813.2	814.1	813.2	810.6	806.3	800.3	792.6	783.3	772.3
-67.5°	721.5	725.8	728.3	729.2	728.3	725.8	721.5	715.5	707.9	698.6	687.7
-70°	627.2	631.1	633.5	634.3	633.5	631.1	627.2	621.7	614.6	606.0	595.8
-72.5°	528.2	531.7	533.7	534.4	533.7	531.7	528.2	523.4	517.3	509.8	501.1
-75°	429.0	432.0	433.9	434.5	433.9	432.0	429.0	424.7	419.2	412.6	404.7
-77.5°	325.7	327.9	329.2	329.6	329.2	327.9	325.7	322.7	318.8	314.0	308.5
-80°	236.8	238.4	239.4	239.7	239.4	238.4	236.8	234.5	231.6	228.0	223.8
-82.5°	153.1	154.1	154.6	154.8	154.6	154.1	153.1	151.8	150.2	148.1	145.7
-85°	89.0	89.5	89.8	89.9	89.8	89.5	89.0	88.4	87.5	86.5	85.3
-87.5°	39.7	39.8	40.0	40.0	40.0	39.8	39.7	39.4	39.1	38.6	38.1
-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: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

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°	37.6	37.0	36.3	35.5	34.6	33.7	32.8	31.7	30.6	29.5	28.3
85°	83.9	82.3	80.5	78.6	76.5	74.2	71.8	69.2	66.5	63.6	60.6
82.5°	143.0	139.9	136.5	132.7	128.6	124.2	119.4	114.4	109.1	103.5	97.6
80°	219.0	213.6	207.6	201.0	193.8	186.1	177.8	169.0	159.7	151.1	143.2
77.5°	302.1	294.9	286.9	278.1	268.6	258.3	247.3	235.9	224.2	211.9	199.1
75°	395.7	385.6	374.3	362.0	348.6	334.1	320.3	306.2	291.3	275.7	259.3
72.5°	491.0	479.7	467.1	453.3	438.3	421.6	403.5	384.2	363.9	342.6	321.6
70°	584.2	571.2	556.7	540.8	523.6	505.1	485.3	464.2	442.0	418.0	392.3
67.5°	675.1	661.1	645.4	628.0	608.5	587.5	565.1	541.4	516.3	490.0	462.5
65°	759.7	745.6	729.9	710.8	690.1	667.8	644.0	617.9	589.9	560.6	529.9
62.5°	834.1	821.2	805.2	786.2	765.6	743.4	718.8	690.8	661.4	630.4	596.6
60°	895.6	884.4	868.6	851.3	832.5	812.1	786.2	758.8	729.9	696.2	661.1
57.5°	944.8	933.8	920.1	905.2	889.2	868.6	845.2	820.6	790.5	757.6	722.7
55°	985.7	974.9	962.7	949.4	934.3	915.5	895.6	872.0	843.9	814.6	777.7
52.5°	1022.2	1011.5	999.7	986.8	971.6	955.0	937.1	914.4	890.6	860.8	828.0
50°	1058.4	1046.8	1034.0	1020.1	1005.1	989.2	970.8	950.9	928.0	901.4	871.1
47.5°	1102.0	1086.3	1069.0	1053.0	1036.8	1019.7	1001.5	982.3	960.0	936.2	906.9
45°	1156.4	1134.3	1110.9	1090.7	1069.1	1049.7	1030.2	1009.9	988.7	964.5	939.0
42.5°	1235.5	1196.9	1163.9	1135.7	1107.4	1082.8	1058.3	1036.7	1014.1	990.7	964.5
40°	1339.8	1286.3	1240.3	1191.4	1154.3	1120.2	1091.2	1062.7	1038.8	1014.1	988.7
37.5°	1457.8	1398.8	1336.1	1272.1	1216.4	1165.7	1127.6	1094.0	1062.7	1036.7	1009.9
35°	1578.2	1512.6	1442.9	1370.0	1293.7	1229.0	1169.5	1127.6	1091.2	1058.3	1030.2
32.5°	1703.6	1629.5	1550.0	1470.3	1387.2	1302.0	1229.0	1165.7	1120.2	1082.8	1049.7
30°	1826.2	1746.5	1660.8	1569.7	1479.5	1387.2	1293.7	1216.4	1154.3	1107.4	1069.1
27.5°	1963.1	1860.4	1768.4	1671.4	1569.7	1470.3	1370.0	1272.1	1191.4	1135.7	1090.7
25°	2166.1	1991.6	1874.2	1768.4	1660.8	1550.0	1442.9	1336.1	1240.3	1163.9	1110.9
22.5°	2475.5	2196.1	1991.6	1860.4	1746.5	1629.5	1512.6	1398.8	1286.3	1196.9	1134.3
20°	3035.7	2475.5	2166.1	1963.1	1826.2	1703.6	1578.2	1457.8	1339.8	1235.5	1156.4
17.5°	3993.2	2962.1	2370.0	2077.3	1907.2	1771.0	1640.7	1511.8	1388.1	1270.2	1176.3
15°	5185.7	3657.7	2745.4	2247.5	1985.6	1831.2	1696.3	1559.8	1431.2	1305.8	1203.0
12.5°	7177.5	4514.6	3105.8	2396.7	2070.2	1888.7	1744.4	1604.1	1469.3	1339.6	1227.3
10°	9230.7	5620.2	3670.0	2674.4	2185.2	1941.3	1784.6	1641.0	1500.9	1367.7	1247.3
7.5°	12019.8	6875.8	4203.9	2897.0	2276.8	1983.0	1816.4	1670.2	1525.8	1389.8	1263.1
5°	14092.0	7801.4	4595.2	3059.5	2343.4	2013.3	1839.4	1691.2	1543.8	1405.7	1274.5
2.5°	15370.6	8369.3	4834.3	3158.4	2383.8	2031.7	1853.3	1703.9	1554.7	1415.3	1281.3
0°	15803.1	8560.8	4914.7	3191.6	2397.4	2037.8	1858.0	1708.2	1558.3	1418.5	1283.6
-2.5°	15370.6	8369.3	4834.3	3158.4	2383.8	2031.7	1853.3	1703.9	1554.7	1415.3	1281.3
-5°	14092.0	7801.4	4595.2	3059.5	2343.4	2013.3	1839.4	1691.2	1543.8	1405.7	1274.5
-7.5°	12019.8	6875.8	4203.9	2897.0	2276.8	1983.0	1816.4	1670.2	1525.8	1389.8	1263.1
-10°	9230.7	5620.2	3670.0	2674.4	2185.2	1941.3	1784.6	1641.0	1500.9	1367.7	1247.3
-12.5°	7177.5	4514.6	3105.8	2396.7	2070.2	1888.7	1744.4	1604.1	1469.3	1339.6	1227.3
-15°	5185.7	3657.7	2745.4	2247.5	1985.6	1831.2	1696.3	1559.8	1431.2	1305.8	1203.0
-17.5°	3993.2	2962.1	2370.0	2077.3	1907.2	1771.0	1640.7	1511.8	1388.1	1270.2	1176.3
-20°	3035.7	2475.5	2166.1	1963.1	1826.2	1703.6	1578.2	1457.8	1339.8	1235.5	1156.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2475.5	2196.1	1991.6	1860.4	1746.5	1629.5	1512.6	1398.8	1286.3	1196.9	1134.3
-25°	2166.1	1991.6	1874.2	1768.4	1660.8	1550.0	1442.9	1336.1	1240.3	1163.9	1110.9
-27.5°	1963.1	1860.4	1768.4	1671.4	1569.7	1470.3	1370.0	1272.1	1191.4	1135.7	1090.7
-30°	1826.2	1746.5	1660.8	1569.7	1479.5	1387.2	1293.7	1216.4	1154.3	1107.4	1069.1
-32.5°	1703.6	1629.5	1550.0	1470.3	1387.2	1302.0	1229.0	1165.7	1120.2	1082.8	1049.7
-35°	1578.2	1512.6	1442.9	1370.0	1293.7	1229.0	1169.5	1127.6	1091.2	1058.3	1030.2
-37.5°	1457.8	1398.8	1336.1	1272.1	1216.4	1165.7	1127.6	1094.0	1062.7	1036.7	1009.9
-40°	1339.8	1286.3	1240.3	1191.4	1154.3	1120.2	1091.2	1062.7	1038.8	1014.1	988.7
-42.5°	1235.5	1196.9	1163.9	1135.7	1107.4	1082.8	1058.3	1036.7	1014.1	990.7	964.5
-45°	1156.4	1134.3	1110.9	1090.7	1069.1	1049.7	1030.2	1009.9	988.7	964.5	939.0
-47.5°	1102.0	1086.3	1069.0	1053.0	1036.8	1019.7	1001.5	982.3	960.0	936.2	906.9
-50°	1058.4	1046.8	1034.0	1020.1	1005.1	989.2	970.8	950.9	928.0	901.4	871.1
-52.5°	1022.2	1011.5	999.7	986.8	971.6	955.0	937.1	914.4	890.6	860.8	828.0
-55°	985.7	974.9	962.7	949.4	934.3	915.5	895.6	872.0	843.9	814.6	777.7
-57.5°	944.8	933.8	920.1	905.2	889.2	868.6	845.2	820.6	790.5	757.6	722.7
-60°	895.6	884.4	868.6	851.3	832.5	812.1	786.2	758.8	729.9	696.2	661.1
-62.5°	834.1	821.2	805.2	786.2	765.6	743.4	718.8	690.8	661.4	630.4	596.6
-65°	759.7	745.6	729.9	710.8	690.1	667.8	644.0	617.9	589.9	560.6	529.9
-67.5°	675.1	661.1	645.4	628.0	608.5	587.5	565.1	541.4	516.3	490.0	462.5
-70°	584.2	571.2	556.7	540.8	523.6	505.1	485.3	464.2	442.0	418.0	392.3
-72.5°	491.0	479.7	467.1	453.3	438.3	421.6	403.5	384.2	363.9	342.6	321.6
-75°	395.7	385.6	374.3	362.0	348.6	334.1	320.3	306.2	291.3	275.7	259.3
-77.5°	302.1	294.9	286.9	278.1	268.6	258.3	247.3	235.9	224.2	211.9	199.1
-80°	219.0	213.6	207.6	201.0	193.8	186.1	177.8	169.0	159.7	151.1	143.2
-82.5°	143.0	139.9	136.5	132.7	128.6	124.2	119.4	114.4	109.1	103.5	97.6
-85°	83.9	82.3	80.5	78.6	76.5	74.2	71.8	69.2	66.5	63.6	60.6
-87.5°	37.6	37.0	36.3	35.5	34.6	33.7	32.8	31.7	30.6	29.5	28.3
-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: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

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°	27.0	25.7	24.3	22.9	21.5	20.0	18.5	16.9	15.3	13.7	12.0
85°	57.5	54.2	50.8	47.3	43.7	40.0	36.9	33.8	30.6	27.3	24.0
82.5°	91.4	86.2	81.1	75.8	70.4	64.8	59.1	53.2	47.2	41.2	36.0
80°	135.0	126.5	117.6	108.5	99.1	89.5	81.9	74.1	66.2	58.1	49.8
77.5°	185.6	171.7	157.2	145.2	133.5	121.4	109.0	96.3	84.9	74.8	64.6
75°	242.2	225.3	208.0	190.0	171.6	153.1	138.3	123.1	107.7	91.9	79.2
72.5°	301.6	280.9	259.4	237.4	215.9	193.8	171.1	149.6	131.6	113.3	94.8
70°	365.7	338.0	312.2	286.9	260.9	234.5	208.7	182.3	155.5	134.5	113.3
67.5°	433.8	402.6	370.4	337.1	306.8	276.8	246.1	216.2	186.1	155.5	131.6
65°	498.0	465.0	430.7	393.7	355.8	318.8	284.8	250.1	216.2	182.3	149.6
62.5°	561.5	525.0	487.5	448.8	407.9	365.2	322.8	284.8	246.1	208.7	171.1
60°	624.0	584.2	543.2	501.1	457.8	412.6	365.2	318.8	276.8	234.5	193.8
57.5°	683.0	642.1	598.0	552.4	505.6	457.8	407.9	355.8	306.8	260.9	215.9
55°	739.4	696.4	650.9	602.6	552.4	501.1	448.8	393.7	337.1	286.9	237.4
52.5°	789.8	747.4	700.8	650.9	598.0	543.2	487.5	430.7	370.4	312.2	259.4
50°	834.8	793.9	747.4	696.4	642.1	584.2	525.0	465.0	402.6	338.0	280.9
47.5°	874.5	834.8	789.8	739.4	683.0	624.0	561.5	498.0	433.8	365.7	301.6
45°	906.9	871.1	828.0	777.7	722.7	661.1	596.6	529.9	462.5	392.3	321.6
42.5°	936.2	901.4	860.8	814.6	757.6	696.2	630.4	560.6	490.0	418.0	342.6
40°	960.0	928.0	890.6	843.9	790.5	729.9	661.4	589.9	516.3	442.0	363.9
37.5°	982.3	950.9	914.4	872.0	820.6	758.8	690.8	617.9	541.4	464.2	384.2
35°	1001.5	970.8	937.1	895.6	845.2	786.2	718.8	644.0	565.1	485.3	403.5
32.5°	1019.7	989.2	955.0	915.5	868.6	812.1	743.4	667.8	587.5	505.1	421.6
30°	1036.8	1005.1	971.6	934.3	889.2	832.5	765.6	690.1	608.5	523.6	438.3
27.5°	1053.0	1020.1	986.8	949.4	905.2	851.3	786.2	710.8	628.0	540.8	453.3
25°	1069.0	1034.0	999.7	962.7	920.1	868.6	805.2	729.9	645.4	556.7	467.1
22.5°	1086.3	1046.8	1011.5	974.9	933.8	884.4	821.2	745.6	661.1	571.2	479.7
20°	1102.0	1058.4	1022.2	985.7	944.8	895.6	834.1	759.7	675.1	584.2	491.0
17.5°	1116.8	1070.1	1031.8	994.5	953.8	905.6	845.7	772.3	687.7	595.8	501.1
15°	1132.9	1081.5	1040.2	1002.2	961.7	914.4	855.8	783.3	698.6	606.0	509.8
12.5°	1146.7	1091.2	1047.3	1008.8	968.4	921.8	864.4	792.6	707.9	614.6	517.3
10°	1158.1	1099.3	1053.3	1014.2	974.0	928.0	871.4	800.3	715.5	621.7	523.4
7.5°	1167.1	1105.6	1057.9	1018.4	978.3	932.8	877.0	806.3	721.5	627.2	528.2
5°	1173.5	1110.2	1061.2	1021.5	981.4	936.2	880.9	810.6	725.8	631.1	531.7
2.5°	1177.4	1112.9	1063.2	1023.3	983.3	938.3	883.3	813.2	728.3	633.5	533.7
0°	1178.7	1113.8	1063.9	1023.9	983.9	939.0	884.1	814.1	729.2	634.3	534.4
-2.5°	1177.4	1112.9	1063.2	1023.3	983.3	938.3	883.3	813.2	728.3	633.5	533.7
-5°	1173.5	1110.2	1061.2	1021.5	981.4	936.2	880.9	810.6	725.8	631.1	531.7
-7.5°	1167.1	1105.6	1057.9	1018.4	978.3	932.8	877.0	806.3	721.5	627.2	528.2
-10°	1158.1	1099.3	1053.3	1014.2	974.0	928.0	871.4	800.3	715.5	621.7	523.4
-12.5°	1146.7	1091.2	1047.3	1008.8	968.4	921.8	864.4	792.6	707.9	614.6	517.3
-15°	1132.9	1081.5	1040.2	1002.2	961.7	914.4	855.8	783.3	698.6	606.0	509.8
-17.5°	1116.8	1070.1	1031.8	994.5	953.8	905.6	845.7	772.3	687.7	595.8	501.1
-20°	1102.0	1058.4	1022.2	985.7	944.8	895.6	834.1	759.7	675.1	584.2	491.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1086.3	1046.8	1011.5	974.9	933.8	884.4	821.2	745.6	661.1	571.2	479.7
-25°	1069.0	1034.0	999.7	962.7	920.1	868.6	805.2	729.9	645.4	556.7	467.1
-27.5°	1053.0	1020.1	986.8	949.4	905.2	851.3	786.2	710.8	628.0	540.8	453.3
-30°	1036.8	1005.1	971.6	934.3	889.2	832.5	765.6	690.1	608.5	523.6	438.3
-32.5°	1019.7	989.2	955.0	915.5	868.6	812.1	743.4	667.8	587.5	505.1	421.6
-35°	1001.5	970.8	937.1	895.6	845.2	786.2	718.8	644.0	565.1	485.3	403.5
-37.5°	982.3	950.9	914.4	872.0	820.6	758.8	690.8	617.9	541.4	464.2	384.2
-40°	960.0	928.0	890.6	843.9	790.5	729.9	661.4	589.9	516.3	442.0	363.9
-42.5°	936.2	901.4	860.8	814.6	757.6	696.2	630.4	560.6	490.0	418.0	342.6
-45°	906.9	871.1	828.0	777.7	722.7	661.1	596.6	529.9	462.5	392.3	321.6
-47.5°	874.5	834.8	789.8	739.4	683.0	624.0	561.5	498.0	433.8	365.7	301.6
-50°	834.8	793.9	747.4	696.4	642.1	584.2	525.0	465.0	402.6	338.0	280.9
-52.5°	789.8	747.4	700.8	650.9	598.0	543.2	487.5	430.7	370.4	312.2	259.4
-55°	739.4	696.4	650.9	602.6	552.4	501.1	448.8	393.7	337.1	286.9	237.4
-57.5°	683.0	642.1	598.0	552.4	505.6	457.8	407.9	355.8	306.8	260.9	215.9
-60°	624.0	584.2	543.2	501.1	457.8	412.6	365.2	318.8	276.8	234.5	193.8
-62.5°	561.5	525.0	487.5	448.8	407.9	365.2	322.8	284.8	246.1	208.7	171.1
-65°	498.0	465.0	430.7	393.7	355.8	318.8	284.8	250.1	216.2	182.3	149.6
-67.5°	433.8	402.6	370.4	337.1	306.8	276.8	246.1	216.2	186.1	155.5	131.6
-70°	365.7	338.0	312.2	286.9	260.9	234.5	208.7	182.3	155.5	134.5	113.3
-72.5°	301.6	280.9	259.4	237.4	215.9	193.8	171.1	149.6	131.6	113.3	94.8
-75°	242.2	225.3	208.0	190.0	171.6	153.1	138.3	123.1	107.7	91.9	79.2
-77.5°	185.6	171.7	157.2	145.2	133.5	121.4	109.0	96.3	84.9	74.8	64.6
-80°	135.0	126.5	117.6	108.5	99.1	89.5	81.9	74.1	66.2	58.1	49.8
-82.5°	91.4	86.2	81.1	75.8	70.4	64.8	59.1	53.2	47.2	41.2	36.0
-85°	57.5	54.2	50.8	47.3	43.7	40.0	36.9	33.8	30.6	27.3	24.0
-87.5°	27.0	25.7	24.3	22.9	21.5	20.0	18.5	16.9	15.3	13.7	12.0
-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: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

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°	10.3	8.7	6.9	5.2	3.5	1.7	0.0
85°	20.7	17.3	13.9	10.4	7.0	3.5	0.0
82.5°	31.0	25.9	20.8	15.6	10.4	5.2	0.0
80°	41.5	34.5	27.6	20.8	13.9	6.9	0.0
77.5°	54.2	43.7	34.5	25.9	17.3	8.7	0.0
75°	66.8	54.2	41.5	31.0	20.7	10.3	0.0
72.5°	79.2	64.6	49.8	36.0	24.0	12.0	0.0
70°	91.9	74.8	58.1	41.2	27.3	13.7	0.0
67.5°	107.7	84.9	66.2	47.2	30.6	15.3	0.0
65°	123.1	96.3	74.1	53.2	33.8	16.9	0.0
62.5°	138.3	109.0	81.9	59.1	36.9	18.5	0.0
60°	153.1	121.4	89.5	64.8	40.0	20.0	0.0
57.5°	171.6	133.5	99.1	70.4	43.7	21.5	0.0
55°	190.0	145.2	108.5	75.8	47.3	22.9	0.0
52.5°	208.0	157.2	117.6	81.1	50.8	24.3	0.0
50°	225.3	171.7	126.5	86.2	54.2	25.7	0.0
47.5°	242.2	185.6	135.0	91.4	57.5	27.0	0.0
45°	259.3	199.1	143.2	97.6	60.6	28.3	0.0
42.5°	275.7	211.9	151.1	103.5	63.6	29.5	0.0
40°	291.3	224.2	159.7	109.1	66.5	30.6	0.0
37.5°	306.2	235.9	169.0	114.4	69.2	31.7	0.0
35°	320.3	247.3	177.8	119.4	71.8	32.8	0.0
32.5°	334.1	258.3	186.1	124.2	74.2	33.7	0.0
30°	348.6	268.6	193.8	128.6	76.5	34.6	0.0
27.5°	362.0	278.1	201.0	132.7	78.6	35.5	0.0
25°	374.3	286.9	207.6	136.5	80.5	36.3	0.0
22.5°	385.6	294.9	213.6	139.9	82.3	37.0	0.0
20°	395.7	302.1	219.0	143.0	83.9	37.6	0.0
17.5°	404.7	308.5	223.8	145.7	85.3	38.1	0.0
15°	412.6	314.0	228.0	148.1	86.5	38.6	0.0
12.5°	419.2	318.8	231.6	150.2	87.5	39.1	0.0
10°	424.7	322.7	234.5	151.8	88.4	39.4	0.0
7.5°	429.0	325.7	236.8	153.1	89.0	39.7	0.0
5°	432.0	327.9	238.4	154.1	89.5	39.8	0.0
2.5°	433.9	329.2	239.4	154.6	89.8	40.0	0.0
0°	434.5	329.6	239.7	154.8	89.9	40.0	0.0
-2.5°	433.9	329.2	239.4	154.6	89.8	40.0	0.0
-5°	432.0	327.9	238.4	154.1	89.5	39.8	0.0
-7.5°	429.0	325.7	236.8	153.1	89.0	39.7	0.0
-10°	424.7	322.7	234.5	151.8	88.4	39.4	0.0
-12.5°	419.2	318.8	231.6	150.2	87.5	39.1	0.0
-15°	412.6	314.0	228.0	148.1	86.5	38.6	0.0
-17.5°	404.7	308.5	223.8	145.7	85.3	38.1	0.0
-20°	395.7	302.1	219.0	143.0	83.9	37.6	0.0

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Scaled Data Report



REPORT NUMBER: P624770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-4000K-22

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	385.6	294.9	213.6	139.9	82.3	37.0	0.0
-25°	374.3	286.9	207.6	136.5	80.5	36.3	0.0
-27.5°	362.0	278.1	201.0	132.7	78.6	35.5	0.0
-30°	348.6	268.6	193.8	128.6	76.5	34.6	0.0
-32.5°	334.1	258.3	186.1	124.2	74.2	33.7	0.0
-35°	320.3	247.3	177.8	119.4	71.8	32.8	0.0
-37.5°	306.2	235.9	169.0	114.4	69.2	31.7	0.0
-40°	291.3	224.2	159.7	109.1	66.5	30.6	0.0
-42.5°	275.7	211.9	151.1	103.5	63.6	29.5	0.0
-45°	259.3	199.1	143.2	97.6	60.6	28.3	0.0
-47.5°	242.2	185.6	135.0	91.4	57.5	27.0	0.0
-50°	225.3	171.7	126.5	86.2	54.2	25.7	0.0
-52.5°	208.0	157.2	117.6	81.1	50.8	24.3	0.0
-55°	190.0	145.2	108.5	75.8	47.3	22.9	0.0
-57.5°	171.6	133.5	99.1	70.4	43.7	21.5	0.0
-60°	153.1	121.4	89.5	64.8	40.0	20.0	0.0
-62.5°	138.3	109.0	81.9	59.1	36.9	18.5	0.0
-65°	123.1	96.3	74.1	53.2	33.8	16.9	0.0
-67.5°	107.7	84.9	66.2	47.2	30.6	15.3	0.0
-70°	91.9	74.8	58.1	41.2	27.3	13.7	0.0
-72.5°	79.2	64.6	49.8	36.0	24.0	12.0	0.0
-75°	66.8	54.2	41.5	31.0	20.7	10.3	0.0
-77.5°	54.2	43.7	34.5	25.9	17.3	8.7	0.0
-80°	41.5	34.5	27.6	20.8	13.9	6.9	0.0
-82.5°	31.0	25.9	20.8	15.6	10.4	5.2	0.0
-85°	20.7	17.3	13.9	10.4	7.0	3.5	0.0
-87.5°	10.3	8.7	6.9	5.2	3.5	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)