

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: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-3000K-22**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624784 (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: EPHESUS
Catalog Number: EPH-VN-08-E-PRO-3000K-22
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 22 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39485.8 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

NEMA Type: 2H x 2V
Max Intensity: 464042.3 candela
Max Intensity Angle: 0°H x 0°V

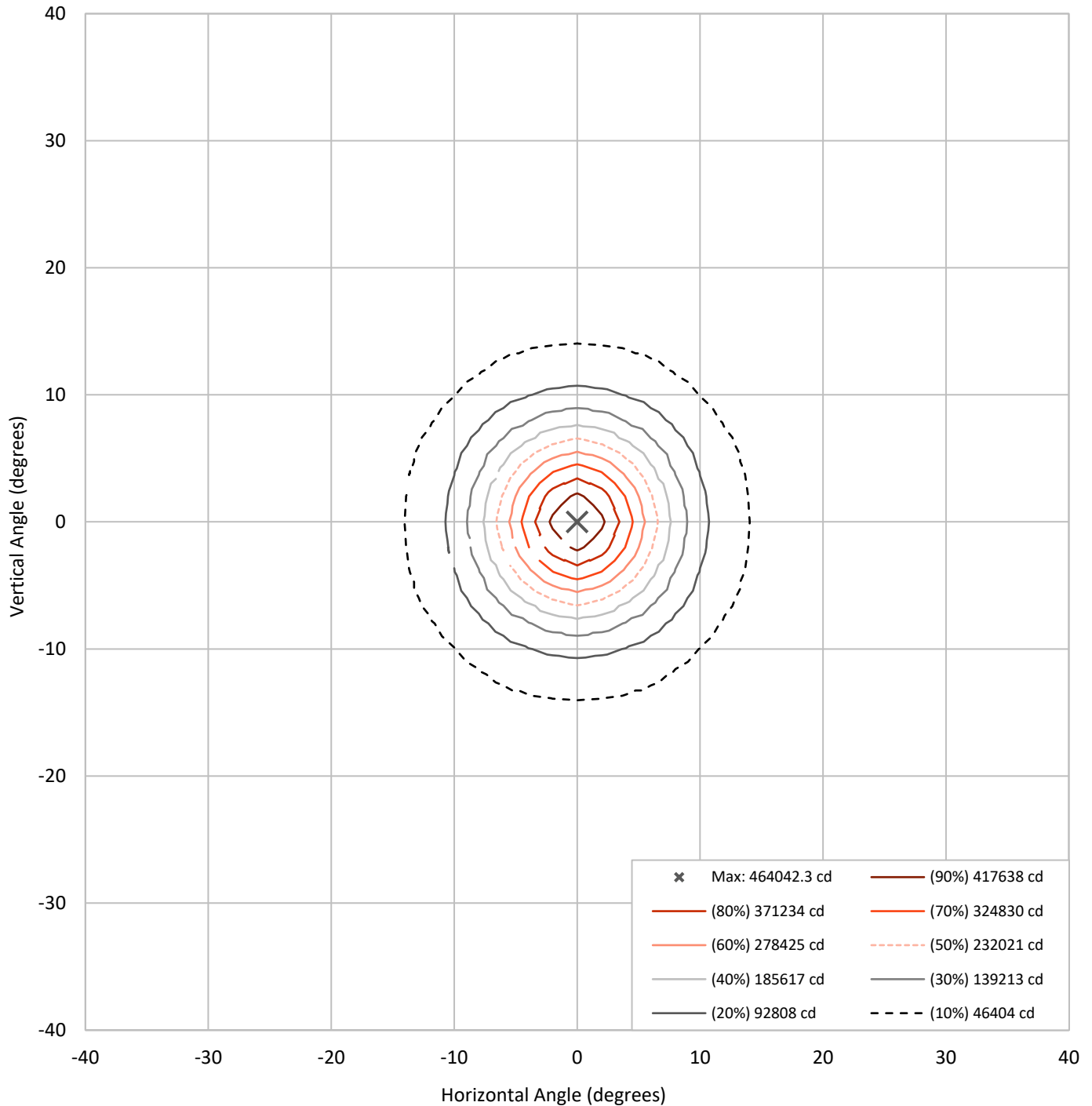
Beam Angle (50%): 13°H x 13°V
Beam Lumens: 14075.2 lumens
Beam Efficiency: 35.6%

Field Angle (10%): 28.1°H x 28.1°V
Field Lumens: 27928.2 lumens
Field Efficiency: 70.7%

Input Watts (W): 327
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: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

Iso-Candela Plot





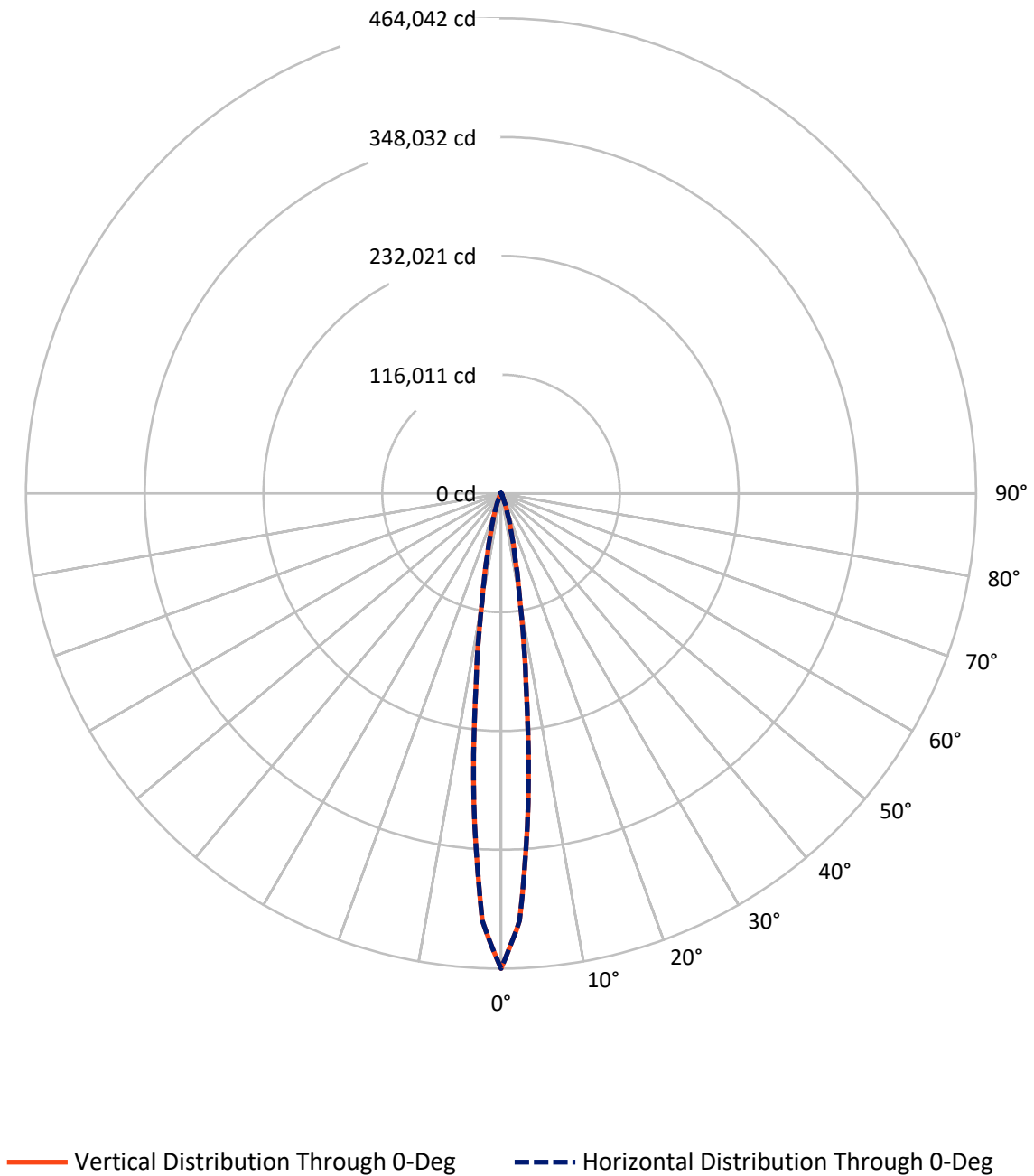
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Lumen Table

90	0.7	5.3		14.3		23.3		27.0		23.3		14.3		5.3		0.7			
80	0.7	5.3		14.3		23.3		27.0		23.3		14.3		5.3		0.7			
70	2.4	2.7	5.8	9.5	13.4	16.7	19.0	20.3	20.3	19.0	16.7	13.4	9.5	5.8	2.7	2.4			
60		4.3	8.8	13.9	18.5	22.1	24.6	25.9	25.9	24.6	22.1	18.5	13.9	8.8	4.3				
50	4.5	5.8	11.3	16.8	21.5	25.9	30.1	32.8	32.8	30.1	25.9	21.5	16.8	11.3	5.8	4.5			
40		7.0	13.0	18.6	24.8	33.4	41.8	47.3	47.3	41.8	33.4	24.8	18.6	13.0	7.0				
30	6.0	7.9	14.0	20.2	30.2	44.2	78.0	145.6	145.6	78.0	44.2	30.2	20.2	14.0	7.9	6.0			
20		8.4	14.6	22.1	35.5	73.5	364.9	1110.7	1110.7	364.9	73.5	35.5	22.1	14.6	8.4				
10	6.6	8.7	15.0	23.4	39.0	133.9	1083.0	5989.8	5989.8	1083.0	133.9	39.0	23.4	15.0	8.7	6.6			
0		8.7	15.0	23.4	39.0	133.9	1083.0	5989.8	5989.8	1083.0	133.9	39.0	23.4	15.0	8.7				
-10	6.0	8.4	14.6	22.1	35.5	73.5	364.9	1110.7	1110.7	364.9	73.5	35.5	22.1	14.6	8.4	6.0			
-20		7.9	14.0	20.2	30.2	44.2	78.0	145.6	145.6	78.0	44.2	30.2	20.2	14.0	7.9				
-30	4.5	7.0	13.0	18.6	24.8	33.4	41.8	47.3	47.3	41.8	33.4	24.8	18.6	13.0	7.0	4.5			
-40		5.8	11.3	16.8	21.5	25.9	30.1	32.8	32.8	30.1	25.9	21.5	16.8	11.3	5.8				
-50	2.4	4.3	8.8	13.9	18.5	22.1	24.6	25.9	25.9	24.6	22.1	18.5	13.9	8.8	4.3	2.4			
-60		2.7	5.8	9.5	13.4	16.7	19.0	20.3	20.3	19.0	16.7	13.4	9.5	5.8	2.7				
-70	0.7	5.3		14.3		23.3		27.0		23.3		14.3		5.3		0.7			
-80		5.3		14.3		23.3		27.0		23.3		14.3		5.3					
-90	0.7	5.3		14.3		23.3		27.0		23.3		14.3		5.3		0.7			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

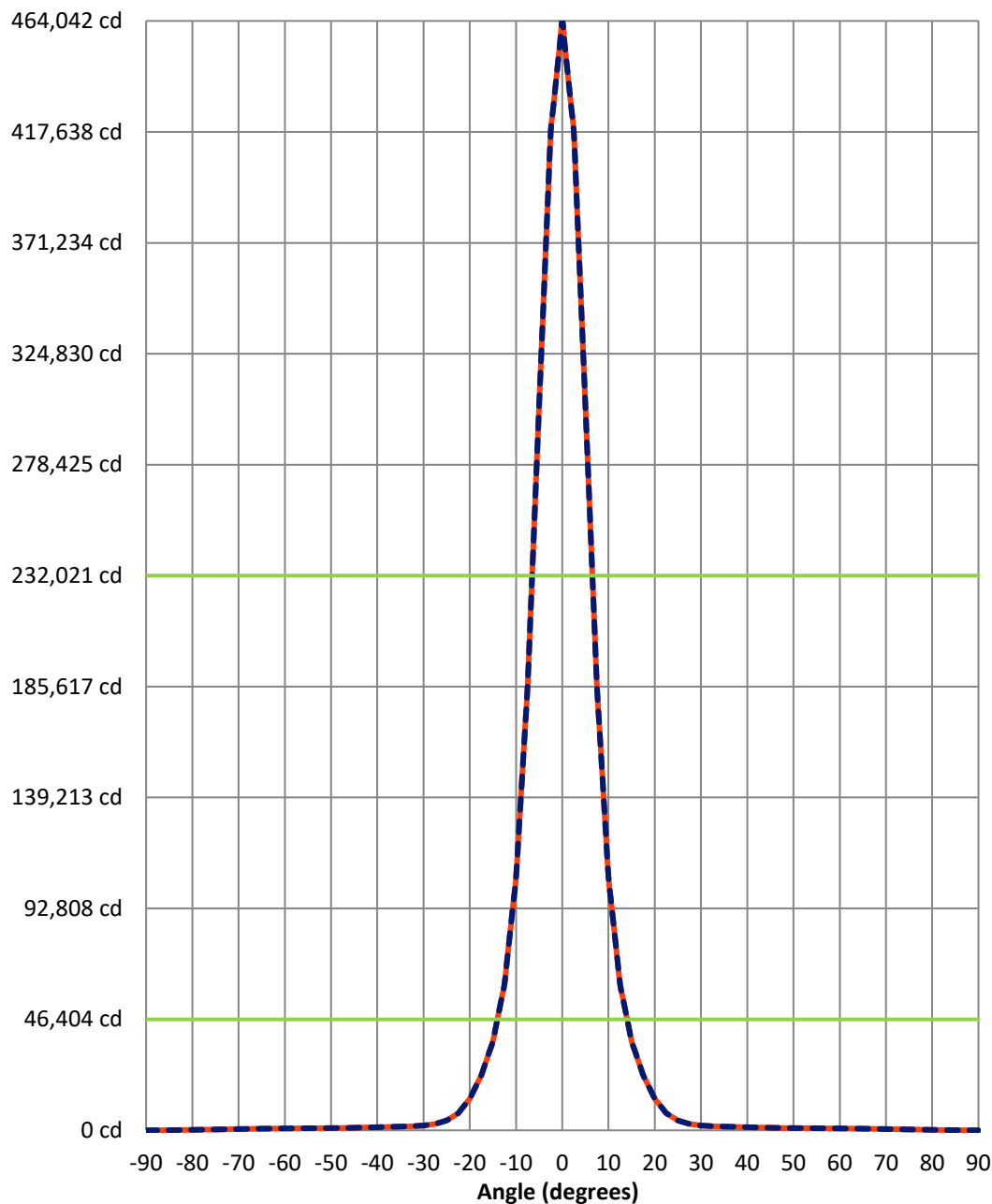
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 13°
 V Angle: 13°
 Lumens: 14075.2
 Efficiency: 35.6%

Field:
 H Angle: 28.1°
 V Angle: 28.1°
 Lumens: 27928.2
 Efficiency: 70.7%

Spill:
 Lumens: 11557.7
 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	1.5	2.9	4.4	5.8	7.2	8.7	10.1	11.5	12.8	14.2
85°	0.0	2.9	5.8	8.7	11.6	14.5	17.3	20.1	22.9	25.6	28.3
82.5°	0.0	4.4	8.7	13.1	17.4	21.7	25.9	30.1	34.5	39.6	44.6
80°	0.0	5.8	11.6	17.4	23.2	28.9	34.8	41.7	48.6	55.4	62.1
77.5°	0.0	7.2	14.5	21.7	28.9	36.6	45.4	54.1	62.7	71.1	80.7
75°	0.0	8.7	17.3	25.9	34.8	45.4	55.9	66.3	77.0	90.2	103.1
72.5°	0.0	10.1	20.1	30.1	41.7	54.1	66.3	79.4	94.9	110.2	125.3
70°	0.0	11.5	22.9	34.5	48.6	62.7	77.0	94.9	112.6	130.2	152.7
67.5°	0.0	12.8	25.6	39.6	55.4	71.1	90.2	110.2	130.2	155.8	181.0
65°	0.0	14.2	28.3	44.6	62.1	80.7	103.1	125.3	152.7	181.0	209.4
62.5°	0.0	15.5	30.9	49.5	68.6	91.3	115.8	143.3	174.7	206.1	238.4
60°	0.0	16.7	33.5	54.3	75.0	101.6	128.2	162.2	196.3	231.8	266.9
57.5°	0.0	18.0	36.6	58.9	83.0	111.8	143.6	180.7	218.4	256.9	297.9
55°	0.0	19.2	39.6	63.5	90.9	121.6	159.1	198.8	240.3	282.3	329.7
52.5°	0.0	20.4	42.6	67.9	98.5	131.6	174.1	217.2	261.5	310.1	360.6
50°	0.0	21.5	45.4	72.2	105.9	143.7	188.7	235.2	283.0	337.1	389.3
47.5°	0.0	22.6	48.1	76.6	113.0	155.4	202.8	252.6	306.2	363.2	417.0
45°	0.0	23.7	50.8	81.7	119.9	166.7	217.1	269.3	328.5	387.2	443.6
42.5°	0.0	24.7	53.3	86.6	126.5	177.4	230.8	286.9	349.9	410.2	469.3
40°	0.0	25.7	55.7	91.3	133.7	187.7	243.9	304.7	370.1	432.2	493.9
37.5°	0.0	26.6	58.0	95.8	141.5	197.5	256.4	321.7	388.7	453.2	517.4
35°	0.0	27.4	60.2	100.0	148.9	207.1	268.2	337.8	406.3	473.1	539.2
32.5°	0.0	28.3	62.2	104.0	155.8	216.3	279.8	353.0	422.8	491.9	559.1
30°	0.0	29.0	64.1	107.7	162.3	224.9	291.9	367.0	438.4	509.5	577.8
27.5°	0.0	29.7	65.8	111.1	168.3	232.9	303.1	379.5	452.8	525.8	595.1
25°	0.0	30.4	67.5	114.3	173.8	240.2	313.4	391.1	466.1	540.4	611.1
22.5°	0.0	30.9	68.9	117.1	178.9	246.9	322.9	401.6	478.2	553.5	624.2
20°	0.0	31.5	70.2	119.7	183.4	253.0	331.4	411.1	489.2	565.3	636.1
17.5°	0.0	31.9	71.4	122.0	187.4	258.3	338.9	419.5	498.9	575.7	646.6
15°	0.0	32.4	72.4	124.0	190.9	263.0	345.5	426.9	507.4	584.9	655.8
12.5°	0.0	32.7	73.3	125.7	193.9	266.9	351.0	433.1	514.6	592.7	663.6
10°	0.0	33.0	74.0	127.1	196.3	270.2	355.6	438.2	520.5	599.1	670.1
7.5°	0.0	33.2	74.6	128.2	198.2	272.7	359.2	442.2	525.1	604.1	675.1
5°	0.0	33.4	75.0	129.0	199.6	274.5	361.7	445.1	528.4	607.6	678.7
2.5°	0.0	33.5	75.2	129.4	200.4	275.6	363.3	446.8	530.4	609.8	680.9
0°	0.0	33.5	75.3	129.6	200.7	276.0	363.8	447.4	531.1	610.5	681.6
-2.5°	0.0	33.5	75.2	129.4	200.4	275.6	363.3	446.8	530.4	609.8	680.9
-5°	0.0	33.4	75.0	129.0	199.6	274.5	361.7	445.1	528.4	607.6	678.7
-7.5°	0.0	33.2	74.6	128.2	198.2	272.7	359.2	442.2	525.1	604.1	675.1
-10°	0.0	33.0	74.0	127.1	196.3	270.2	355.6	438.2	520.5	599.1	670.1
-12.5°	0.0	32.7	73.3	125.7	193.9	266.9	351.0	433.1	514.6	592.7	663.6
-15°	0.0	32.4	72.4	124.0	190.9	263.0	345.5	426.9	507.4	584.9	655.8
-17.5°	0.0	31.9	71.4	122.0	187.4	258.3	338.9	419.5	498.9	575.7	646.6
-20°	0.0	31.5	70.2	119.7	183.4	253.0	331.4	411.1	489.2	565.3	636.1

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CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	30.9	68.9	117.1	178.9	246.9	322.9	401.6	478.2	553.5	624.2
-25°	0.0	30.4	67.5	114.3	173.8	240.2	313.4	391.1	466.1	540.4	611.1
-27.5°	0.0	29.7	65.8	111.1	168.3	232.9	303.1	379.5	452.8	525.8	595.1
-30°	0.0	29.0	64.1	107.7	162.3	224.9	291.9	367.0	438.4	509.5	577.8
-32.5°	0.0	28.3	62.2	104.0	155.8	216.3	279.8	353.0	422.8	491.9	559.1
-35°	0.0	27.4	60.2	100.0	148.9	207.1	268.2	337.8	406.3	473.1	539.2
-37.5°	0.0	26.6	58.0	95.8	141.5	197.5	256.4	321.7	388.7	453.2	517.4
-40°	0.0	25.7	55.7	91.3	133.7	187.7	243.9	304.7	370.1	432.2	493.9
-42.5°	0.0	24.7	53.3	86.6	126.5	177.4	230.8	286.9	349.9	410.2	469.3
-45°	0.0	23.7	50.8	81.7	119.9	166.7	217.1	269.3	328.5	387.2	443.6
-47.5°	0.0	22.6	48.1	76.6	113.0	155.4	202.8	252.6	306.2	363.2	417.0
-50°	0.0	21.5	45.4	72.2	105.9	143.7	188.7	235.2	283.0	337.1	389.3
-52.5°	0.0	20.4	42.6	67.9	98.5	131.6	174.1	217.2	261.5	310.1	360.6
-55°	0.0	19.2	39.6	63.5	90.9	121.6	159.1	198.8	240.3	282.3	329.7
-57.5°	0.0	18.0	36.6	58.9	83.0	111.8	143.6	180.7	218.4	256.9	297.9
-60°	0.0	16.7	33.5	54.3	75.0	101.6	128.2	162.2	196.3	231.8	266.9
-62.5°	0.0	15.5	30.9	49.5	68.6	91.3	115.8	143.3	174.7	206.1	238.4
-65°	0.0	14.2	28.3	44.6	62.1	80.7	103.1	125.3	152.7	181.0	209.4
-67.5°	0.0	12.8	25.6	39.6	55.4	71.1	90.2	110.2	130.2	155.8	181.0
-70°	0.0	11.5	22.9	34.5	48.6	62.7	77.0	94.9	112.6	130.2	152.7
-72.5°	0.0	10.1	20.1	30.1	41.7	54.1	66.3	79.4	94.9	110.2	125.3
-75°	0.0	8.7	17.3	25.9	34.8	45.4	55.9	66.3	77.0	90.2	103.1
-77.5°	0.0	7.2	14.5	21.7	28.9	36.6	45.4	54.1	62.7	71.1	80.7
-80°	0.0	5.8	11.6	17.4	23.2	28.9	34.8	41.7	48.6	55.4	62.1
-82.5°	0.0	4.4	8.7	13.1	17.4	21.7	25.9	30.1	34.5	39.6	44.6
-85°	0.0	2.9	5.8	8.7	11.6	14.5	17.3	20.1	22.9	25.6	28.3
-87.5°	0.0	1.5	2.9	4.4	5.8	7.2	8.7	10.1	11.5	12.8	14.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.5	16.7	18.0	19.2	20.4	21.5	22.6	23.7	24.7	25.7	26.6
85°	30.9	33.5	36.6	39.6	42.6	45.4	48.1	50.8	53.3	55.7	58.0
82.5°	49.5	54.3	58.9	63.5	67.9	72.2	76.6	81.7	86.6	91.3	95.8
80°	68.6	75.0	83.0	90.9	98.5	105.9	113.0	119.9	126.5	133.7	141.5
77.5°	91.3	101.6	111.8	121.6	131.6	143.7	155.4	166.7	177.4	187.7	197.5
75°	115.8	128.2	143.6	159.1	174.1	188.7	202.8	217.1	230.8	243.9	256.4
72.5°	143.3	162.2	180.7	198.8	217.2	235.2	252.6	269.3	286.9	304.7	321.7
70°	174.7	196.3	218.4	240.3	261.5	283.0	306.2	328.5	349.9	370.1	388.7
67.5°	206.1	231.8	256.9	282.3	310.1	337.1	363.2	387.2	410.2	432.2	453.2
65°	238.4	266.9	297.9	329.7	360.6	389.3	417.0	443.6	469.3	493.9	517.4
62.5°	270.3	305.8	341.5	375.8	408.1	439.6	470.1	499.5	527.9	553.8	578.4
60°	305.8	345.5	383.3	419.5	454.8	489.2	522.5	553.5	582.9	611.1	635.3
57.5°	341.5	383.3	423.3	462.5	500.7	537.6	571.9	605.1	634.3	661.8	687.0
55°	375.8	419.5	462.5	504.6	545.0	583.0	619.0	651.1	682.0	706.5	730.0
52.5°	408.1	454.8	500.7	545.0	586.7	625.7	661.3	693.2	720.6	745.6	765.5
50°	439.6	489.2	537.6	583.0	625.7	664.7	698.9	729.2	754.6	776.9	796.1
47.5°	470.1	522.5	571.9	619.0	661.3	698.9	732.1	759.2	783.8	803.7	822.5
45°	499.5	553.5	605.1	651.1	693.2	729.2	759.2	786.1	807.5	827.8	845.5
42.5°	527.9	582.9	634.3	682.0	720.6	754.6	783.8	807.5	829.5	849.0	867.9
40°	553.8	611.1	661.8	706.5	745.6	776.9	803.7	827.8	849.0	869.7	889.7
37.5°	578.4	635.3	687.0	730.0	765.5	796.1	822.5	845.5	867.9	889.7	915.9
35°	601.8	658.2	707.6	749.7	784.5	812.8	838.5	862.5	886.0	913.5	944.1
32.5°	622.4	679.9	727.1	766.4	799.6	828.2	853.7	878.8	906.6	937.9	975.9
30°	641.0	697.0	744.3	782.1	813.5	841.5	868.0	895.1	927.2	966.4	1018.3
27.5°	658.2	712.7	757.8	794.9	826.2	854.0	881.5	913.2	950.8	997.5	1065.0
25°	674.2	727.1	770.3	806.0	837.0	865.7	895.0	930.1	974.4	1038.4	1118.6
22.5°	687.5	740.3	781.7	816.3	846.8	876.4	909.4	949.6	1002.0	1076.9	1171.0
20°	698.3	749.7	791.0	825.3	855.8	886.1	922.6	968.1	1034.3	1121.6	1220.4
17.5°	708.0	758.1	798.6	832.7	863.8	895.9	935.0	984.8	1063.4	1162.0	1265.6
15°	716.4	765.5	805.2	839.1	870.8	905.4	948.5	1007.2	1093.1	1198.1	1305.8
12.5°	723.6	771.7	810.8	844.6	876.8	913.6	960.0	1027.5	1121.5	1230.0	1343.0
10°	729.5	776.9	815.5	849.1	881.8	920.4	969.6	1044.3	1145.0	1256.5	1373.9
7.5°	734.1	780.9	819.1	852.6	885.7	925.6	977.1	1057.5	1163.5	1277.4	1398.3
5°	737.4	783.8	821.7	855.2	888.5	929.4	982.5	1067.0	1176.8	1292.5	1415.9
2.5°	739.4	785.5	823.3	856.7	890.1	931.7	985.7	1072.7	1184.8	1301.6	1426.5
0°	740.1	786.1	823.8	857.2	890.7	932.5	986.8	1074.6	1187.5	1304.6	1430.1
-2.5°	739.4	785.5	823.3	856.7	890.1	931.7	985.7	1072.7	1184.8	1301.6	1426.5
-5°	737.4	783.8	821.7	855.2	888.5	929.4	982.5	1067.0	1176.8	1292.5	1415.9
-7.5°	734.1	780.9	819.1	852.6	885.7	925.6	977.1	1057.5	1163.5	1277.4	1398.3
-10°	729.5	776.9	815.5	849.1	881.8	920.4	969.6	1044.3	1145.0	1256.5	1373.9
-12.5°	723.6	771.7	810.8	844.6	876.8	913.6	960.0	1027.5	1121.5	1230.0	1343.0
-15°	716.4	765.5	805.2	839.1	870.8	905.4	948.5	1007.2	1093.1	1198.1	1305.8
-17.5°	708.0	758.1	798.6	832.7	863.8	895.9	935.0	984.8	1063.4	1162.0	1265.6
-20°	698.3	749.7	791.0	825.3	855.8	886.1	922.6	968.1	1034.3	1121.6	1220.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	687.5	740.3	781.7	816.3	846.8	876.4	909.4	949.6	1002.0	1076.9	1171.0
-25°	674.2	727.1	770.3	806.0	837.0	865.7	895.0	930.1	974.4	1038.4	1118.6
-27.5°	658.2	712.7	757.8	794.9	826.2	854.0	881.5	913.2	950.8	997.5	1065.0
-30°	641.0	697.0	744.3	782.1	813.5	841.5	868.0	895.1	927.2	966.4	1018.3
-32.5°	622.4	679.9	727.1	766.4	799.6	828.2	853.7	878.8	906.6	937.9	975.9
-35°	601.8	658.2	707.6	749.7	784.5	812.8	838.5	862.5	886.0	913.5	944.1
-37.5°	578.4	635.3	687.0	730.0	765.5	796.1	822.5	845.5	867.9	889.7	915.9
-40°	553.8	611.1	661.8	706.5	745.6	776.9	803.7	827.8	849.0	869.7	889.7
-42.5°	527.9	582.9	634.3	682.0	720.6	754.6	783.8	807.5	829.5	849.0	867.9
-45°	499.5	553.5	605.1	651.1	693.2	729.2	759.2	786.1	807.5	827.8	845.5
-47.5°	470.1	522.5	571.9	619.0	661.3	698.9	732.1	759.2	783.8	803.7	822.5
-50°	439.6	489.2	537.6	583.0	625.7	664.7	698.9	729.2	754.6	776.9	796.1
-52.5°	408.1	454.8	500.7	545.0	586.7	625.7	661.3	693.2	720.6	745.6	765.5
-55°	375.8	419.5	462.5	504.6	545.0	583.0	619.0	651.1	682.0	706.5	730.0
-57.5°	341.5	383.3	423.3	462.5	500.7	537.6	571.9	605.1	634.3	661.8	687.0
-60°	305.8	345.5	383.3	419.5	454.8	489.2	522.5	553.5	582.9	611.1	635.3
-62.5°	270.3	305.8	341.5	375.8	408.1	439.6	470.1	499.5	527.9	553.8	578.4
-65°	238.4	266.9	297.9	329.7	360.6	389.3	417.0	443.6	469.3	493.9	517.4
-67.5°	206.1	231.8	256.9	282.3	310.1	337.1	363.2	387.2	410.2	432.2	453.2
-70°	174.7	196.3	218.4	240.3	261.5	283.0	306.2	328.5	349.9	370.1	388.7
-72.5°	143.3	162.2	180.7	198.8	217.2	235.2	252.6	269.3	286.9	304.7	321.7
-75°	115.8	128.2	143.6	159.1	174.1	188.7	202.8	217.1	230.8	243.9	256.4
-77.5°	91.3	101.6	111.8	121.6	131.6	143.7	155.4	166.7	177.4	187.7	197.5
-80°	68.6	75.0	83.0	90.9	98.5	105.9	113.0	119.9	126.5	133.7	141.5
-82.5°	49.5	54.3	58.9	63.5	67.9	72.2	76.6	81.7	86.6	91.3	95.8
-85°	30.9	33.5	36.6	39.6	42.6	45.4	48.1	50.8	53.3	55.7	58.0
-87.5°	15.5	16.7	18.0	19.2	20.4	21.5	22.6	23.7	24.7	25.7	26.6
-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: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-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°	27.4	28.3	29.0	29.7	30.4	30.9	31.5	31.9	32.4	32.7	33.0
85°	60.2	62.2	64.1	65.8	67.5	68.9	70.2	71.4	72.4	73.3	74.0
82.5°	100.0	104.0	107.7	111.1	114.3	117.1	119.7	122.0	124.0	125.7	127.1
80°	148.9	155.8	162.3	168.3	173.8	178.9	183.4	187.4	190.9	193.9	196.3
77.5°	207.1	216.3	224.9	232.9	240.2	246.9	253.0	258.3	263.0	266.9	270.2
75°	268.2	279.8	291.9	303.1	313.4	322.9	331.4	338.9	345.5	351.0	355.6
72.5°	337.8	353.0	367.0	379.5	391.1	401.6	411.1	419.5	426.9	433.1	438.2
70°	406.3	422.8	438.4	452.8	466.1	478.2	489.2	498.9	507.4	514.6	520.5
67.5°	473.1	491.9	509.5	525.8	540.4	553.5	565.3	575.7	584.9	592.7	599.1
65°	539.2	559.1	577.8	595.1	611.1	624.2	636.1	646.6	655.8	663.6	670.1
62.5°	601.8	622.4	641.0	658.2	674.2	687.5	698.3	708.0	716.4	723.6	729.5
60°	658.2	679.9	697.0	712.7	727.1	740.3	749.7	758.1	765.5	771.7	776.9
57.5°	707.6	727.1	744.3	757.8	770.3	781.7	791.0	798.6	805.2	810.8	815.5
55°	749.7	766.4	782.1	794.9	806.0	816.3	825.3	832.7	839.1	844.6	849.1
52.5°	784.5	799.6	813.5	826.2	837.0	846.8	855.8	863.8	870.8	876.8	881.8
50°	812.8	828.2	841.5	854.0	865.7	876.4	886.1	895.9	905.4	913.6	920.4
47.5°	838.5	853.7	868.0	881.5	895.0	909.4	922.6	935.0	948.5	960.0	969.6
45°	862.5	878.8	895.1	913.2	930.1	949.6	968.1	984.8	1007.2	1027.5	1044.3
42.5°	886.0	906.6	927.2	950.8	974.4	1002.0	1034.3	1063.4	1093.1	1121.5	1145.0
40°	913.5	937.9	966.4	997.5	1038.4	1076.9	1121.6	1162.0	1198.1	1230.0	1256.5
37.5°	944.1	975.9	1018.3	1065.0	1118.6	1171.0	1220.4	1265.6	1305.8	1343.0	1373.9
35°	979.1	1028.9	1083.0	1146.9	1208.0	1266.3	1321.2	1373.6	1420.1	1460.4	1494.1
32.5°	1028.9	1090.0	1161.3	1230.9	1297.6	1364.2	1426.2	1482.7	1533.1	1581.2	1625.3
30°	1083.0	1161.3	1238.6	1314.1	1390.4	1462.2	1528.8	1596.7	1662.4	1733.2	1829.5
27.5°	1146.9	1230.9	1314.1	1399.3	1480.5	1557.5	1643.6	1739.2	1881.6	2006.5	2239.0
25°	1208.0	1297.6	1390.4	1480.5	1569.0	1667.4	1813.5	1984.2	2298.4	2600.2	3072.5
22.5°	1266.3	1364.2	1462.2	1557.5	1667.4	1838.6	2072.5	2479.9	3062.2	3779.7	4705.3
20°	1321.2	1426.2	1528.8	1643.6	1813.5	2072.5	2541.4	3343.1	4341.4	6009.0	7728.0
17.5°	1373.6	1482.7	1596.7	1739.2	1984.2	2479.9	3343.1	4660.2	6684.9	9855.6	13041.8
15°	1420.1	1533.1	1662.4	1881.6	2298.4	3062.2	4341.4	6684.9	10585.3	15458.8	21237.0
12.5°	1460.4	1581.2	1733.2	2006.5	2600.2	3779.7	6009.0	9855.6	15458.8	22640.4	31781.5
10°	1494.1	1625.3	1829.5	2239.0	3072.5	4705.3	7728.0	13041.8	21237.0	31781.5	45740.9
7.5°	1520.7	1660.2	1906.2	2425.4	3519.5	5756.4	10063.0	17189.7	27404.5	41531.1	61496.6
5°	1539.9	1685.6	1961.9	2561.4	3847.1	6531.4	11797.8	20391.9	32712.9	52027.8	84817.8
2.5°	1551.6	1700.9	1995.7	2644.2	4047.3	7006.8	12868.2	22384.1	36055.2	58759.4	100226.3
0°	1555.5	1706.1	2007.1	2672.0	4114.6	7167.1	13230.3	23061.0	37198.6	61087.6	105658.2
-2.5°	1551.6	1700.9	1995.7	2644.2	4047.3	7006.8	12868.2	22384.1	36055.2	58759.4	100226.3
-5°	1539.9	1685.6	1961.9	2561.4	3847.1	6531.4	11797.8	20391.9	32712.9	52027.8	84817.8
-7.5°	1520.7	1660.2	1906.2	2425.4	3519.5	5756.4	10063.0	17189.7	27404.5	41531.1	61496.6
-10°	1494.1	1625.3	1829.5	2239.0	3072.5	4705.3	7728.0	13041.8	21237.0	31781.5	45740.9
-12.5°	1460.4	1581.2	1733.2	2006.5	2600.2	3779.7	6009.0	9855.6	15458.8	22640.4	31781.5
-15°	1420.1	1533.1	1662.4	1881.6	2298.4	3062.2	4341.4	6684.9	10585.3	15458.8	21237.0
-17.5°	1373.6	1482.7	1596.7	1739.2	1984.2	2479.9	3343.1	4660.2	6684.9	9855.6	13041.8
-20°	1321.2	1426.2	1528.8	1643.6	1813.5	2072.5	2541.4	3343.1	4341.4	6009.0	7728.0



REPORT NUMBER: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1266.3	1364.2	1462.2	1557.5	1667.4	1838.6	2072.5	2479.9	3062.2	3779.7	4705.3
-25°	1208.0	1297.6	1390.4	1480.5	1569.0	1667.4	1813.5	1984.2	2298.4	2600.2	3072.5
-27.5°	1146.9	1230.9	1314.1	1399.3	1480.5	1557.5	1643.6	1739.2	1881.6	2006.5	2239.0
-30°	1083.0	1161.3	1238.6	1314.1	1390.4	1462.2	1528.8	1596.7	1662.4	1733.2	1829.5
-32.5°	1028.9	1090.0	1161.3	1230.9	1297.6	1364.2	1426.2	1482.7	1533.1	1581.2	1625.3
-35°	979.1	1028.9	1083.0	1146.9	1208.0	1266.3	1321.2	1373.6	1420.1	1460.4	1494.1
-37.5°	944.1	975.9	1018.3	1065.0	1118.6	1171.0	1220.4	1265.6	1305.8	1343.0	1373.9
-40°	913.5	937.9	966.4	997.5	1038.4	1076.9	1121.6	1162.0	1198.1	1230.0	1256.5
-42.5°	886.0	906.6	927.2	950.8	974.4	1002.0	1034.3	1063.4	1093.1	1121.5	1145.0
-45°	862.5	878.8	895.1	913.2	930.1	949.6	968.1	984.8	1007.2	1027.5	1044.3
-47.5°	838.5	853.7	868.0	881.5	895.0	909.4	922.6	935.0	948.5	960.0	969.6
-50°	812.8	828.2	841.5	854.0	865.7	876.4	886.1	895.9	905.4	913.6	920.4
-52.5°	784.5	799.6	813.5	826.2	837.0	846.8	855.8	863.8	870.8	876.8	881.8
-55°	749.7	766.4	782.1	794.9	806.0	816.3	825.3	832.7	839.1	844.6	849.1
-57.5°	707.6	727.1	744.3	757.8	770.3	781.7	791.0	798.6	805.2	810.8	815.5
-60°	658.2	679.9	697.0	712.7	727.1	740.3	749.7	758.1	765.5	771.7	776.9
-62.5°	601.8	622.4	641.0	658.2	674.2	687.5	698.3	708.0	716.4	723.6	729.5
-65°	539.2	559.1	577.8	595.1	611.1	624.2	636.1	646.6	655.8	663.6	670.1
-67.5°	473.1	491.9	509.5	525.8	540.4	553.5	565.3	575.7	584.9	592.7	599.1
-70°	406.3	422.8	438.4	452.8	466.1	478.2	489.2	498.9	507.4	514.6	520.5
-72.5°	337.8	353.0	367.0	379.5	391.1	401.6	411.1	419.5	426.9	433.1	438.2
-75°	268.2	279.8	291.9	303.1	313.4	322.9	331.4	338.9	345.5	351.0	355.6
-77.5°	207.1	216.3	224.9	232.9	240.2	246.9	253.0	258.3	263.0	266.9	270.2
-80°	148.9	155.8	162.3	168.3	173.8	178.9	183.4	187.4	190.9	193.9	196.3
-82.5°	100.0	104.0	107.7	111.1	114.3	117.1	119.7	122.0	124.0	125.7	127.1
-85°	60.2	62.2	64.1	65.8	67.5	68.9	70.2	71.4	72.4	73.3	74.0
-87.5°	27.4	28.3	29.0	29.7	30.4	30.9	31.5	31.9	32.4	32.7	33.0
-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: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-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°	33.2	33.4	33.5	33.5	33.5	33.4	33.2	33.0	32.7	32.4	31.9
85°	74.6	75.0	75.2	75.3	75.2	75.0	74.6	74.0	73.3	72.4	71.4
82.5°	128.2	129.0	129.4	129.6	129.4	129.0	128.2	127.1	125.7	124.0	122.0
80°	198.2	199.6	200.4	200.7	200.4	199.6	198.2	196.3	193.9	190.9	187.4
77.5°	272.7	274.5	275.6	276.0	275.6	274.5	272.7	270.2	266.9	263.0	258.3
75°	359.2	361.7	363.3	363.8	363.3	361.7	359.2	355.6	351.0	345.5	338.9
72.5°	442.2	445.1	446.8	447.4	446.8	445.1	442.2	438.2	433.1	426.9	419.5
70°	525.1	528.4	530.4	531.1	530.4	528.4	525.1	520.5	514.6	507.4	498.9
67.5°	604.1	607.6	609.8	610.5	609.8	607.6	604.1	599.1	592.7	584.9	575.7
65°	675.1	678.7	680.9	681.6	680.9	678.7	675.1	670.1	663.6	655.8	646.6
62.5°	734.1	737.4	739.4	740.1	739.4	737.4	734.1	729.5	723.6	716.4	708.0
60°	780.9	783.8	785.5	786.1	785.5	783.8	780.9	776.9	771.7	765.5	758.1
57.5°	819.1	821.7	823.3	823.8	823.3	821.7	819.1	815.5	810.8	805.2	798.6
55°	852.6	855.2	856.7	857.2	856.7	855.2	852.6	849.1	844.6	839.1	832.7
52.5°	885.7	888.5	890.1	890.7	890.1	888.5	885.7	881.8	876.8	870.8	863.8
50°	925.6	929.4	931.7	932.5	931.7	929.4	925.6	920.4	913.6	905.4	895.9
47.5°	977.1	982.5	985.7	986.8	985.7	982.5	977.1	969.6	960.0	948.5	935.0
45°	1057.5	1067.0	1072.7	1074.6	1072.7	1067.0	1057.5	1044.3	1027.5	1007.2	984.8
42.5°	1163.5	1176.8	1184.8	1187.5	1184.8	1176.8	1163.5	1145.0	1121.5	1093.1	1063.4
40°	1277.4	1292.5	1301.6	1304.6	1301.6	1292.5	1277.4	1256.5	1230.0	1198.1	1162.0
37.5°	1398.3	1415.9	1426.5	1430.1	1426.5	1415.9	1398.3	1373.9	1343.0	1305.8	1265.6
35°	1520.7	1539.9	1551.6	1555.5	1551.6	1539.9	1520.7	1494.1	1460.4	1420.1	1373.6
32.5°	1660.2	1685.6	1700.9	1706.1	1700.9	1685.6	1660.2	1625.3	1581.2	1533.1	1482.7
30°	1906.2	1961.9	1995.7	2007.1	1995.7	1961.9	1906.2	1829.5	1733.2	1662.4	1596.7
27.5°	2425.4	2561.4	2644.2	2672.0	2644.2	2561.4	2425.4	2239.0	2006.5	1881.6	1739.2
25°	3519.5	3847.1	4047.3	4114.6	4047.3	3847.1	3519.5	3072.5	2600.2	2298.4	1984.2
22.5°	5756.4	6531.4	7006.8	7167.1	7006.8	6531.4	5756.4	4705.3	3779.7	3062.2	2479.9
20°	10063.0	11797.8	12868.2	13230.3	12868.2	11797.8	10063.0	7728.0	6009.0	4341.4	3343.1
17.5°	17189.7	20391.9	22384.1	23061.0	22384.1	20391.9	17189.7	13041.8	9855.6	6684.9	4660.2
15°	27404.5	32712.9	36055.2	37198.6	36055.2	32712.9	27404.5	21237.0	15458.8	10585.3	6684.9
12.5°	41531.1	52027.8	58759.4	61087.6	58759.4	52027.8	41531.1	31781.5	22640.4	15458.8	9855.6
10°	61496.6	84817.8	100226.3	105658.2	100226.3	84817.8	61496.6	45740.9	31781.5	21237.0	13041.8
7.5°	95114.4	132136.2	169713.7	185642.0	169713.7	132136.2	95114.4	61496.6	41531.1	27404.5	17189.7
5°	132136.2	202754.4	273040.9	303393.1	273040.9	202754.4	132136.2	84817.8	52027.8	32712.9	20391.9
2.5°	169713.7	273040.9	376383.4	417633.9	376383.4	273040.9	169713.7	100226.3	58759.4	36055.2	22384.1
0°	185642.0	303393.1	417633.9	464042.3	417633.9	303393.1	185642.0	105658.2	61087.6	37198.6	23061.0
-2.5°	169713.7	273040.9	376383.4	417633.9	376383.4	273040.9	169713.7	100226.3	58759.4	36055.2	22384.1
-5°	132136.2	202754.4	273040.9	303393.1	273040.9	202754.4	132136.2	84817.8	52027.8	32712.9	20391.9
-7.5°	95114.4	132136.2	169713.7	185642.0	169713.7	132136.2	95114.4	61496.6	41531.1	27404.5	17189.7
-10°	61496.6	84817.8	100226.3	105658.2	100226.3	84817.8	61496.6	45740.9	31781.5	21237.0	13041.8
-12.5°	41531.1	52027.8	58759.4	61087.6	58759.4	52027.8	41531.1	31781.5	22640.4	15458.8	9855.6
-15°	27404.5	32712.9	36055.2	37198.6	36055.2	32712.9	27404.5	21237.0	15458.8	10585.3	6684.9
-17.5°	17189.7	20391.9	22384.1	23061.0	22384.1	20391.9	17189.7	13041.8	9855.6	6684.9	4660.2
-20°	10063.0	11797.8	12868.2	13230.3	12868.2	11797.8	10063.0	7728.0	6009.0	4341.4	3343.1

Classified

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

Scaled Data Report



REPORT NUMBER: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5756.4	6531.4	7006.8	7167.1	7006.8	6531.4	5756.4	4705.3	3779.7	3062.2	2479.9
-25°	3519.5	3847.1	4047.3	4114.6	4047.3	3847.1	3519.5	3072.5	2600.2	2298.4	1984.2
-27.5°	2425.4	2561.4	2644.2	2672.0	2644.2	2561.4	2425.4	2239.0	2006.5	1881.6	1739.2
-30°	1906.2	1961.9	1995.7	2007.1	1995.7	1961.9	1906.2	1829.5	1733.2	1662.4	1596.7
-32.5°	1660.2	1685.6	1700.9	1706.1	1700.9	1685.6	1660.2	1625.3	1581.2	1533.1	1482.7
-35°	1520.7	1539.9	1551.6	1555.5	1551.6	1539.9	1520.7	1494.1	1460.4	1420.1	1373.6
-37.5°	1398.3	1415.9	1426.5	1430.1	1426.5	1415.9	1398.3	1373.9	1343.0	1305.8	1265.6
-40°	1277.4	1292.5	1301.6	1304.6	1301.6	1292.5	1277.4	1256.5	1230.0	1198.1	1162.0
-42.5°	1163.5	1176.8	1184.8	1187.5	1184.8	1176.8	1163.5	1145.0	1121.5	1093.1	1063.4
-45°	1057.5	1067.0	1072.7	1074.6	1072.7	1067.0	1057.5	1044.3	1027.5	1007.2	984.8
-47.5°	977.1	982.5	985.7	986.8	985.7	982.5	977.1	969.6	960.0	948.5	935.0
-50°	925.6	929.4	931.7	932.5	931.7	929.4	925.6	920.4	913.6	905.4	895.9
-52.5°	885.7	888.5	890.1	890.7	890.1	888.5	885.7	881.8	876.8	870.8	863.8
-55°	852.6	855.2	856.7	857.2	856.7	855.2	852.6	849.1	844.6	839.1	832.7
-57.5°	819.1	821.7	823.3	823.8	823.3	821.7	819.1	815.5	810.8	805.2	798.6
-60°	780.9	783.8	785.5	786.1	785.5	783.8	780.9	776.9	771.7	765.5	758.1
-62.5°	734.1	737.4	739.4	740.1	739.4	737.4	734.1	729.5	723.6	716.4	708.0
-65°	675.1	678.7	680.9	681.6	680.9	678.7	675.1	670.1	663.6	655.8	646.6
-67.5°	604.1	607.6	609.8	610.5	609.8	607.6	604.1	599.1	592.7	584.9	575.7
-70°	525.1	528.4	530.4	531.1	530.4	528.4	525.1	520.5	514.6	507.4	498.9
-72.5°	442.2	445.1	446.8	447.4	446.8	445.1	442.2	438.2	433.1	426.9	419.5
-75°	359.2	361.7	363.3	363.8	363.3	361.7	359.2	355.6	351.0	345.5	338.9
-77.5°	272.7	274.5	275.6	276.0	275.6	274.5	272.7	270.2	266.9	263.0	258.3
-80°	198.2	199.6	200.4	200.7	200.4	199.6	198.2	196.3	193.9	190.9	187.4
-82.5°	128.2	129.0	129.4	129.6	129.4	129.0	128.2	127.1	125.7	124.0	122.0
-85°	74.6	75.0	75.2	75.3	75.2	75.0	74.6	74.0	73.3	72.4	71.4
-87.5°	33.2	33.4	33.5	33.5	33.5	33.4	33.2	33.0	32.7	32.4	31.9
-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: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-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°	31.5	30.9	30.4	29.7	29.0	28.3	27.4	26.6	25.7	24.7	23.7
85°	70.2	68.9	67.5	65.8	64.1	62.2	60.2	58.0	55.7	53.3	50.8
82.5°	119.7	117.1	114.3	111.1	107.7	104.0	100.0	95.8	91.3	86.6	81.7
80°	183.4	178.9	173.8	168.3	162.3	155.8	148.9	141.5	133.7	126.5	119.9
77.5°	253.0	246.9	240.2	232.9	224.9	216.3	207.1	197.5	187.7	177.4	166.7
75°	331.4	322.9	313.4	303.1	291.9	279.8	268.2	256.4	243.9	230.8	217.1
72.5°	411.1	401.6	391.1	379.5	367.0	353.0	337.8	321.7	304.7	286.9	269.3
70°	489.2	478.2	466.1	452.8	438.4	422.8	406.3	388.7	370.1	349.9	328.5
67.5°	565.3	553.5	540.4	525.8	509.5	491.9	473.1	453.2	432.2	410.2	387.2
65°	636.1	624.2	611.1	595.1	577.8	559.1	539.2	517.4	493.9	469.3	443.6
62.5°	698.3	687.5	674.2	658.2	641.0	622.4	601.8	578.4	553.8	527.9	499.5
60°	749.7	740.3	727.1	712.7	697.0	679.9	658.2	635.3	611.1	582.9	553.5
57.5°	791.0	781.7	770.3	757.8	744.3	727.1	707.6	687.0	661.8	634.3	605.1
55°	825.3	816.3	806.0	794.9	782.1	766.4	749.7	730.0	706.5	682.0	651.1
52.5°	855.8	846.8	837.0	826.2	813.5	799.6	784.5	765.5	745.6	720.6	693.2
50°	886.1	876.4	865.7	854.0	841.5	828.2	812.8	796.1	776.9	754.6	729.2
47.5°	922.6	909.4	895.0	881.5	868.0	853.7	838.5	822.5	803.7	783.8	759.2
45°	968.1	949.6	930.1	913.2	895.1	878.8	862.5	845.5	827.8	807.5	786.1
42.5°	1034.3	1002.0	974.4	950.8	927.2	906.6	886.0	867.9	849.0	829.5	807.5
40°	1121.6	1076.9	1038.4	997.5	966.4	937.9	913.5	889.7	869.7	849.0	827.8
37.5°	1220.4	1171.0	1118.6	1065.0	1018.3	975.9	944.1	915.9	889.7	867.9	845.5
35°	1321.2	1266.3	1208.0	1146.9	1083.0	1028.9	979.1	944.1	913.5	886.0	862.5
32.5°	1426.2	1364.2	1297.6	1230.9	1161.3	1090.0	1028.9	975.9	937.9	906.6	878.8
30°	1528.8	1462.2	1390.4	1314.1	1238.6	1161.3	1083.0	1018.3	966.4	927.2	895.1
27.5°	1643.6	1557.5	1480.5	1399.3	1314.1	1230.9	1146.9	1065.0	997.5	950.8	913.2
25°	1813.5	1667.4	1569.0	1480.5	1390.4	1297.6	1208.0	1118.6	1038.4	974.4	930.1
22.5°	2072.5	1838.6	1667.4	1557.5	1462.2	1364.2	1266.3	1171.0	1076.9	1002.0	949.6
20°	2541.4	2072.5	1813.5	1643.6	1528.8	1426.2	1321.2	1220.4	1121.6	1034.3	968.1
17.5°	3343.1	2479.9	1984.2	1739.2	1596.7	1482.7	1373.6	1265.6	1162.0	1063.4	984.8
15°	4341.4	3062.2	2298.4	1881.6	1662.4	1533.1	1420.1	1305.8	1198.1	1093.1	1007.2
12.5°	6009.0	3779.7	2600.2	2006.5	1733.2	1581.2	1460.4	1343.0	1230.0	1121.5	1027.5
10°	7728.0	4705.3	3072.5	2239.0	1829.5	1625.3	1494.1	1373.9	1256.5	1145.0	1044.3
7.5°	10063.0	5756.4	3519.5	2425.4	1906.2	1660.2	1520.7	1398.3	1277.4	1163.5	1057.5
5°	11797.8	6531.4	3847.1	2561.4	1961.9	1685.6	1539.9	1415.9	1292.5	1176.8	1067.0
2.5°	12868.2	7006.8	4047.3	2644.2	1995.7	1700.9	1551.6	1426.5	1301.6	1184.8	1072.7
0°	13230.3	7167.1	4114.6	2672.0	2007.1	1706.1	1555.5	1430.1	1304.6	1187.5	1074.6
-2.5°	12868.2	7006.8	4047.3	2644.2	1995.7	1700.9	1551.6	1426.5	1301.6	1184.8	1072.7
-5°	11797.8	6531.4	3847.1	2561.4	1961.9	1685.6	1539.9	1415.9	1292.5	1176.8	1067.0
-7.5°	10063.0	5756.4	3519.5	2425.4	1906.2	1660.2	1520.7	1398.3	1277.4	1163.5	1057.5
-10°	7728.0	4705.3	3072.5	2239.0	1829.5	1625.3	1494.1	1373.9	1256.5	1145.0	1044.3
-12.5°	6009.0	3779.7	2600.2	2006.5	1733.2	1581.2	1460.4	1343.0	1230.0	1121.5	1027.5
-15°	4341.4	3062.2	2298.4	1881.6	1662.4	1533.1	1420.1	1305.8	1198.1	1093.1	1007.2
-17.5°	3343.1	2479.9	1984.2	1739.2	1596.7	1482.7	1373.6	1265.6	1162.0	1063.4	984.8
-20°	2541.4	2072.5	1813.5	1643.6	1528.8	1426.2	1321.2	1220.4	1121.6	1034.3	968.1

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2072.5	1838.6	1667.4	1557.5	1462.2	1364.2	1266.3	1171.0	1076.9	1002.0	949.6
-25°	1813.5	1667.4	1569.0	1480.5	1390.4	1297.6	1208.0	1118.6	1038.4	974.4	930.1
-27.5°	1643.6	1557.5	1480.5	1399.3	1314.1	1230.9	1146.9	1065.0	997.5	950.8	913.2
-30°	1528.8	1462.2	1390.4	1314.1	1238.6	1161.3	1083.0	1018.3	966.4	927.2	895.1
-32.5°	1426.2	1364.2	1297.6	1230.9	1161.3	1090.0	1028.9	975.9	937.9	906.6	878.8
-35°	1321.2	1266.3	1208.0	1146.9	1083.0	1028.9	979.1	944.1	913.5	886.0	862.5
-37.5°	1220.4	1171.0	1118.6	1065.0	1018.3	975.9	944.1	915.9	889.7	867.9	845.5
-40°	1121.6	1076.9	1038.4	997.5	966.4	937.9	913.5	889.7	869.7	849.0	827.8
-42.5°	1034.3	1002.0	974.4	950.8	927.2	906.6	886.0	867.9	849.0	829.5	807.5
-45°	968.1	949.6	930.1	913.2	895.1	878.8	862.5	845.5	827.8	807.5	786.1
-47.5°	922.6	909.4	895.0	881.5	868.0	853.7	838.5	822.5	803.7	783.8	759.2
-50°	886.1	876.4	865.7	854.0	841.5	828.2	812.8	796.1	776.9	754.6	729.2
-52.5°	855.8	846.8	837.0	826.2	813.5	799.6	784.5	765.5	745.6	720.6	693.2
-55°	825.3	816.3	806.0	794.9	782.1	766.4	749.7	730.0	706.5	682.0	651.1
-57.5°	791.0	781.7	770.3	757.8	744.3	727.1	707.6	687.0	661.8	634.3	605.1
-60°	749.7	740.3	727.1	712.7	697.0	679.9	658.2	635.3	611.1	582.9	553.5
-62.5°	698.3	687.5	674.2	658.2	641.0	622.4	601.8	578.4	553.8	527.9	499.5
-65°	636.1	624.2	611.1	595.1	577.8	559.1	539.2	517.4	493.9	469.3	443.6
-67.5°	565.3	553.5	540.4	525.8	509.5	491.9	473.1	453.2	432.2	410.2	387.2
-70°	489.2	478.2	466.1	452.8	438.4	422.8	406.3	388.7	370.1	349.9	328.5
-72.5°	411.1	401.6	391.1	379.5	367.0	353.0	337.8	321.7	304.7	286.9	269.3
-75°	331.4	322.9	313.4	303.1	291.9	279.8	268.2	256.4	243.9	230.8	217.1
-77.5°	253.0	246.9	240.2	232.9	224.9	216.3	207.1	197.5	187.7	177.4	166.7
-80°	183.4	178.9	173.8	168.3	162.3	155.8	148.9	141.5	133.7	126.5	119.9
-82.5°	119.7	117.1	114.3	111.1	107.7	104.0	100.0	95.8	91.3	86.6	81.7
-85°	70.2	68.9	67.5	65.8	64.1	62.2	60.2	58.0	55.7	53.3	50.8
-87.5°	31.5	30.9	30.4	29.7	29.0	28.3	27.4	26.6	25.7	24.7	23.7
-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: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-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°	22.6	21.5	20.4	19.2	18.0	16.7	15.5	14.2	12.8	11.5	10.1
85°	48.1	45.4	42.6	39.6	36.6	33.5	30.9	28.3	25.6	22.9	20.1
82.5°	76.6	72.2	67.9	63.5	58.9	54.3	49.5	44.6	39.6	34.5	30.1
80°	113.0	105.9	98.5	90.9	83.0	75.0	68.6	62.1	55.4	48.6	41.7
77.5°	155.4	143.7	131.6	121.6	111.8	101.6	91.3	80.7	71.1	62.7	54.1
75°	202.8	188.7	174.1	159.1	143.6	128.2	115.8	103.1	90.2	77.0	66.3
72.5°	252.6	235.2	217.2	198.8	180.7	162.2	143.3	125.3	110.2	94.9	79.4
70°	306.2	283.0	261.5	240.3	218.4	196.3	174.7	152.7	130.2	112.6	94.9
67.5°	363.2	337.1	310.1	282.3	256.9	231.8	206.1	181.0	155.8	130.2	110.2
65°	417.0	389.3	360.6	329.7	297.9	266.9	238.4	209.4	181.0	152.7	125.3
62.5°	470.1	439.6	408.1	375.8	341.5	305.8	270.3	238.4	206.1	174.7	143.3
60°	522.5	489.2	454.8	419.5	383.3	345.5	305.8	266.9	231.8	196.3	162.2
57.5°	571.9	537.6	500.7	462.5	423.3	383.3	341.5	297.9	256.9	218.4	180.7
55°	619.0	583.0	545.0	504.6	462.5	419.5	375.8	329.7	282.3	240.3	198.8
52.5°	661.3	625.7	586.7	545.0	500.7	454.8	408.1	360.6	310.1	261.5	217.2
50°	698.9	664.7	625.7	583.0	537.6	489.2	439.6	389.3	337.1	283.0	235.2
47.5°	732.1	698.9	661.3	619.0	571.9	522.5	470.1	417.0	363.2	306.2	252.6
45°	759.2	729.2	693.2	651.1	605.1	553.5	499.5	443.6	387.2	328.5	269.3
42.5°	783.8	754.6	720.6	682.0	634.3	582.9	527.9	469.3	410.2	349.9	286.9
40°	803.7	776.9	745.6	706.5	661.8	611.1	553.8	493.9	432.2	370.1	304.7
37.5°	822.5	796.1	765.5	730.0	687.0	635.3	578.4	517.4	453.2	388.7	321.7
35°	838.5	812.8	784.5	749.7	707.6	658.2	601.8	539.2	473.1	406.3	337.8
32.5°	853.7	828.2	799.6	766.4	727.1	679.9	622.4	559.1	491.9	422.8	353.0
30°	868.0	841.5	813.5	782.1	744.3	697.0	641.0	577.8	509.5	438.4	367.0
27.5°	881.5	854.0	826.2	794.9	757.8	712.7	658.2	595.1	525.8	452.8	379.5
25°	895.0	865.7	837.0	806.0	770.3	727.1	674.2	611.1	540.4	466.1	391.1
22.5°	909.4	876.4	846.8	816.3	781.7	740.3	687.5	624.2	553.5	478.2	401.6
20°	922.6	886.1	855.8	825.3	791.0	749.7	698.3	636.1	565.3	489.2	411.1
17.5°	935.0	895.9	863.8	832.7	798.6	758.1	708.0	646.6	575.7	498.9	419.5
15°	948.5	905.4	870.8	839.1	805.2	765.5	716.4	655.8	584.9	507.4	426.9
12.5°	960.0	913.6	876.8	844.6	810.8	771.7	723.6	663.6	592.7	514.6	433.1
10°	969.6	920.4	881.8	849.1	815.5	776.9	729.5	670.1	599.1	520.5	438.2
7.5°	977.1	925.6	885.7	852.6	819.1	780.9	734.1	675.1	604.1	525.1	442.2
5°	982.5	929.4	888.5	855.2	821.7	783.8	737.4	678.7	607.6	528.4	445.1
2.5°	985.7	931.7	890.1	856.7	823.3	785.5	739.4	680.9	609.8	530.4	446.8
0°	986.8	932.5	890.7	857.2	823.8	786.1	740.1	681.6	610.5	531.1	447.4
-2.5°	985.7	931.7	890.1	856.7	823.3	785.5	739.4	680.9	609.8	530.4	446.8
-5°	982.5	929.4	888.5	855.2	821.7	783.8	737.4	678.7	607.6	528.4	445.1
-7.5°	977.1	925.6	885.7	852.6	819.1	780.9	734.1	675.1	604.1	525.1	442.2
-10°	969.6	920.4	881.8	849.1	815.5	776.9	729.5	670.1	599.1	520.5	438.2
-12.5°	960.0	913.6	876.8	844.6	810.8	771.7	723.6	663.6	592.7	514.6	433.1
-15°	948.5	905.4	870.8	839.1	805.2	765.5	716.4	655.8	584.9	507.4	426.9
-17.5°	935.0	895.9	863.8	832.7	798.6	758.1	708.0	646.6	575.7	498.9	419.5
-20°	922.6	886.1	855.8	825.3	791.0	749.7	698.3	636.1	565.3	489.2	411.1

Classified

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

Scaled Data Report



REPORT NUMBER: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	909.4	876.4	846.8	816.3	781.7	740.3	687.5	624.2	553.5	478.2	401.6
-25°	895.0	865.7	837.0	806.0	770.3	727.1	674.2	611.1	540.4	466.1	391.1
-27.5°	881.5	854.0	826.2	794.9	757.8	712.7	658.2	595.1	525.8	452.8	379.5
-30°	868.0	841.5	813.5	782.1	744.3	697.0	641.0	577.8	509.5	438.4	367.0
-32.5°	853.7	828.2	799.6	766.4	727.1	679.9	622.4	559.1	491.9	422.8	353.0
-35°	838.5	812.8	784.5	749.7	707.6	658.2	601.8	539.2	473.1	406.3	337.8
-37.5°	822.5	796.1	765.5	730.0	687.0	635.3	578.4	517.4	453.2	388.7	321.7
-40°	803.7	776.9	745.6	706.5	661.8	611.1	553.8	493.9	432.2	370.1	304.7
-42.5°	783.8	754.6	720.6	682.0	634.3	582.9	527.9	469.3	410.2	349.9	286.9
-45°	759.2	729.2	693.2	651.1	605.1	553.5	499.5	443.6	387.2	328.5	269.3
-47.5°	732.1	698.9	661.3	619.0	571.9	522.5	470.1	417.0	363.2	306.2	252.6
-50°	698.9	664.7	625.7	583.0	537.6	489.2	439.6	389.3	337.1	283.0	235.2
-52.5°	661.3	625.7	586.7	545.0	500.7	454.8	408.1	360.6	310.1	261.5	217.2
-55°	619.0	583.0	545.0	504.6	462.5	419.5	375.8	329.7	282.3	240.3	198.8
-57.5°	571.9	537.6	500.7	462.5	423.3	383.3	341.5	297.9	256.9	218.4	180.7
-60°	522.5	489.2	454.8	419.5	383.3	345.5	305.8	266.9	231.8	196.3	162.2
-62.5°	470.1	439.6	408.1	375.8	341.5	305.8	270.3	238.4	206.1	174.7	143.3
-65°	417.0	389.3	360.6	329.7	297.9	266.9	238.4	209.4	181.0	152.7	125.3
-67.5°	363.2	337.1	310.1	282.3	256.9	231.8	206.1	181.0	155.8	130.2	110.2
-70°	306.2	283.0	261.5	240.3	218.4	196.3	174.7	152.7	130.2	112.6	94.9
-72.5°	252.6	235.2	217.2	198.8	180.7	162.2	143.3	125.3	110.2	94.9	79.4
-75°	202.8	188.7	174.1	159.1	143.6	128.2	115.8	103.1	90.2	77.0	66.3
-77.5°	155.4	143.7	131.6	121.6	111.8	101.6	91.3	80.7	71.1	62.7	54.1
-80°	113.0	105.9	98.5	90.9	83.0	75.0	68.6	62.1	55.4	48.6	41.7
-82.5°	76.6	72.2	67.9	63.5	58.9	54.3	49.5	44.6	39.6	34.5	30.1
-85°	48.1	45.4	42.6	39.6	36.6	33.5	30.9	28.3	25.6	22.9	20.1
-87.5°	22.6	21.5	20.4	19.2	18.0	16.7	15.5	14.2	12.8	11.5	10.1
-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: P624784 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	8.7	7.2	5.8	4.4	2.9	1.5	0.0
85°	17.3	14.5	11.6	8.7	5.8	2.9	0.0
82.5°	25.9	21.7	17.4	13.1	8.7	4.4	0.0
80°	34.8	28.9	23.2	17.4	11.6	5.8	0.0
77.5°	45.4	36.6	28.9	21.7	14.5	7.2	0.0
75°	55.9	45.4	34.8	25.9	17.3	8.7	0.0
72.5°	66.3	54.1	41.7	30.1	20.1	10.1	0.0
70°	77.0	62.7	48.6	34.5	22.9	11.5	0.0
67.5°	90.2	71.1	55.4	39.6	25.6	12.8	0.0
65°	103.1	80.7	62.1	44.6	28.3	14.2	0.0
62.5°	115.8	91.3	68.6	49.5	30.9	15.5	0.0
60°	128.2	101.6	75.0	54.3	33.5	16.7	0.0
57.5°	143.6	111.8	83.0	58.9	36.6	18.0	0.0
55°	159.1	121.6	90.9	63.5	39.6	19.2	0.0
52.5°	174.1	131.6	98.5	67.9	42.6	20.4	0.0
50°	188.7	143.7	105.9	72.2	45.4	21.5	0.0
47.5°	202.8	155.4	113.0	76.6	48.1	22.6	0.0
45°	217.1	166.7	119.9	81.7	50.8	23.7	0.0
42.5°	230.8	177.4	126.5	86.6	53.3	24.7	0.0
40°	243.9	187.7	133.7	91.3	55.7	25.7	0.0
37.5°	256.4	197.5	141.5	95.8	58.0	26.6	0.0
35°	268.2	207.1	148.9	100.0	60.2	27.4	0.0
32.5°	279.8	216.3	155.8	104.0	62.2	28.3	0.0
30°	291.9	224.9	162.3	107.7	64.1	29.0	0.0
27.5°	303.1	232.9	168.3	111.1	65.8	29.7	0.0
25°	313.4	240.2	173.8	114.3	67.5	30.4	0.0
22.5°	322.9	246.9	178.9	117.1	68.9	30.9	0.0
20°	331.4	253.0	183.4	119.7	70.2	31.5	0.0
17.5°	338.9	258.3	187.4	122.0	71.4	31.9	0.0
15°	345.5	263.0	190.9	124.0	72.4	32.4	0.0
12.5°	351.0	266.9	193.9	125.7	73.3	32.7	0.0
10°	355.6	270.2	196.3	127.1	74.0	33.0	0.0
7.5°	359.2	272.7	198.2	128.2	74.6	33.2	0.0
5°	361.7	274.5	199.6	129.0	75.0	33.4	0.0
2.5°	363.3	275.6	200.4	129.4	75.2	33.5	0.0
0°	363.8	276.0	200.7	129.6	75.3	33.5	0.0
-2.5°	363.3	275.6	200.4	129.4	75.2	33.5	0.0
-5°	361.7	274.5	199.6	129.0	75.0	33.4	0.0
-7.5°	359.2	272.7	198.2	128.2	74.6	33.2	0.0
-10°	355.6	270.2	196.3	127.1	74.0	33.0	0.0
-12.5°	351.0	266.9	193.9	125.7	73.3	32.7	0.0
-15°	345.5	263.0	190.9	124.0	72.4	32.4	0.0
-17.5°	338.9	258.3	187.4	122.0	71.4	31.9	0.0
-20°	331.4	253.0	183.4	119.7	70.2	31.5	0.0

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CATALOG NUMBER: EPH-VN-08-E-PRO-3000K-22

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	322.9	246.9	178.9	117.1	68.9	30.9	0.0
-25°	313.4	240.2	173.8	114.3	67.5	30.4	0.0
-27.5°	303.1	232.9	168.3	111.1	65.8	29.7	0.0
-30°	291.9	224.9	162.3	107.7	64.1	29.0	0.0
-32.5°	279.8	216.3	155.8	104.0	62.2	28.3	0.0
-35°	268.2	207.1	148.9	100.0	60.2	27.4	0.0
-37.5°	256.4	197.5	141.5	95.8	58.0	26.6	0.0
-40°	243.9	187.7	133.7	91.3	55.7	25.7	0.0
-42.5°	230.8	177.4	126.5	86.6	53.3	24.7	0.0
-45°	217.1	166.7	119.9	81.7	50.8	23.7	0.0
-47.5°	202.8	155.4	113.0	76.6	48.1	22.6	0.0
-50°	188.7	143.7	105.9	72.2	45.4	21.5	0.0
-52.5°	174.1	131.6	98.5	67.9	42.6	20.4	0.0
-55°	159.1	121.6	90.9	63.5	39.6	19.2	0.0
-57.5°	143.6	111.8	83.0	58.9	36.6	18.0	0.0
-60°	128.2	101.6	75.0	54.3	33.5	16.7	0.0
-62.5°	115.8	91.3	68.6	49.5	30.9	15.5	0.0
-65°	103.1	80.7	62.1	44.6	28.3	14.2	0.0
-67.5°	90.2	71.1	55.4	39.6	25.6	12.8	0.0
-70°	77.0	62.7	48.6	34.5	22.9	11.5	0.0
-72.5°	66.3	54.1	41.7	30.1	20.1	10.1	0.0
-75°	55.9	45.4	34.8	25.9	17.3	8.7	0.0
-77.5°	45.4	36.6	28.9	21.7	14.5	7.2	0.0
-80°	34.8	28.9	23.2	17.4	11.6	5.8	0.0
-82.5°	25.9	21.7	17.4	13.1	8.7	4.4	0.0
-85°	17.3	14.5	11.6	8.7	5.8	2.9	0.0
-87.5°	8.7	7.2	5.8	4.4	2.9	1.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)