

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: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-4000K-33**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-11)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-04-E-PRO-4000K-33
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 33 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32446.2 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 13.8°H x 13.8°V
Beam Lumens: 9461.2 lumens
Beam Efficiency: 29.2%

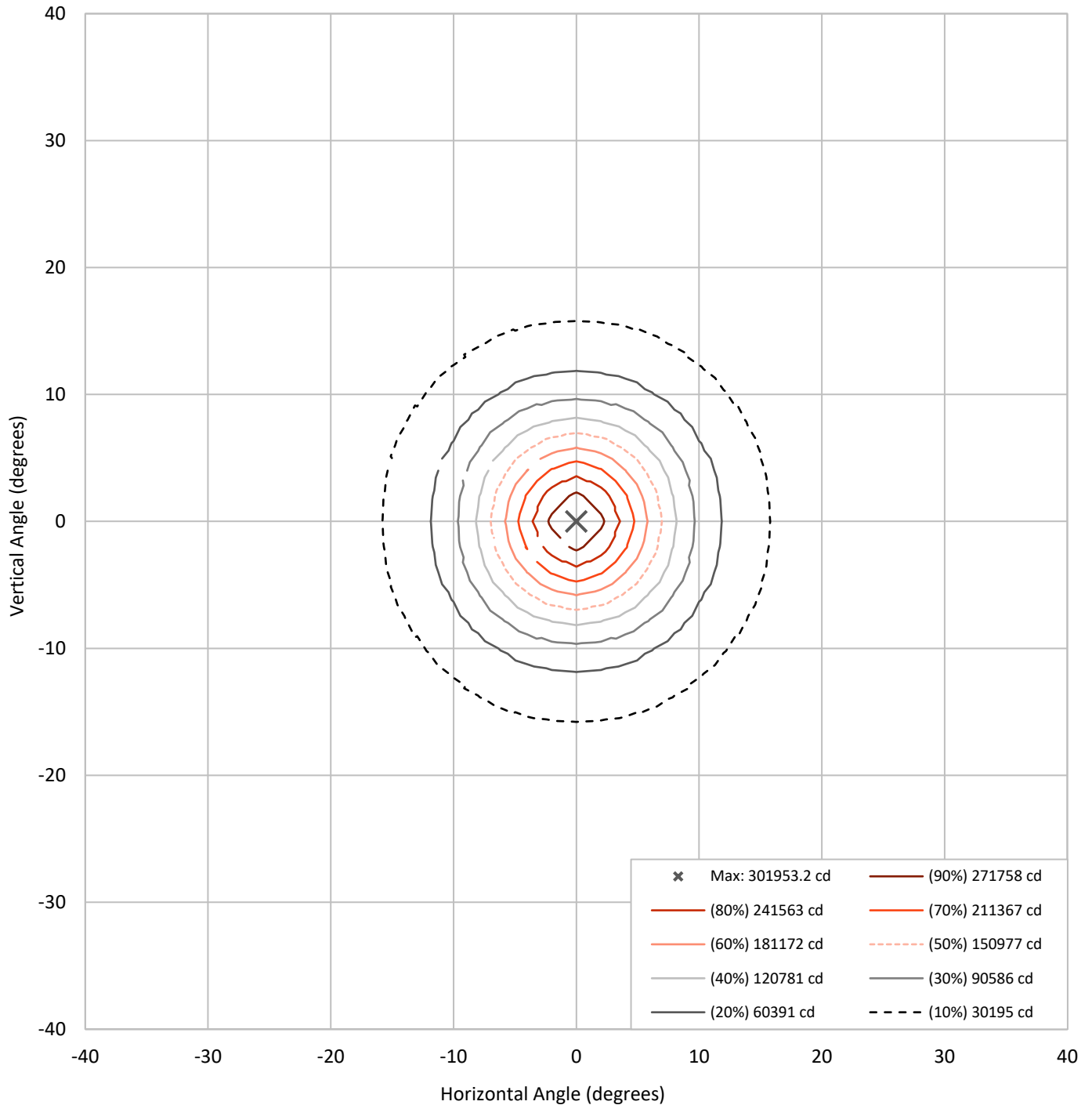
Field Angle (10%): 31.4°H x 31.4°V
Field Lumens: 22029.7 lumens
Field Efficiency: 67.9%

NEMA Type: 3H x 3V
Max Intensity: 301953.2 candela
Max Intensity Angle: 0°H x 0°V

Input Watts (W): 249.5
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

REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

Iso-Candela Plot





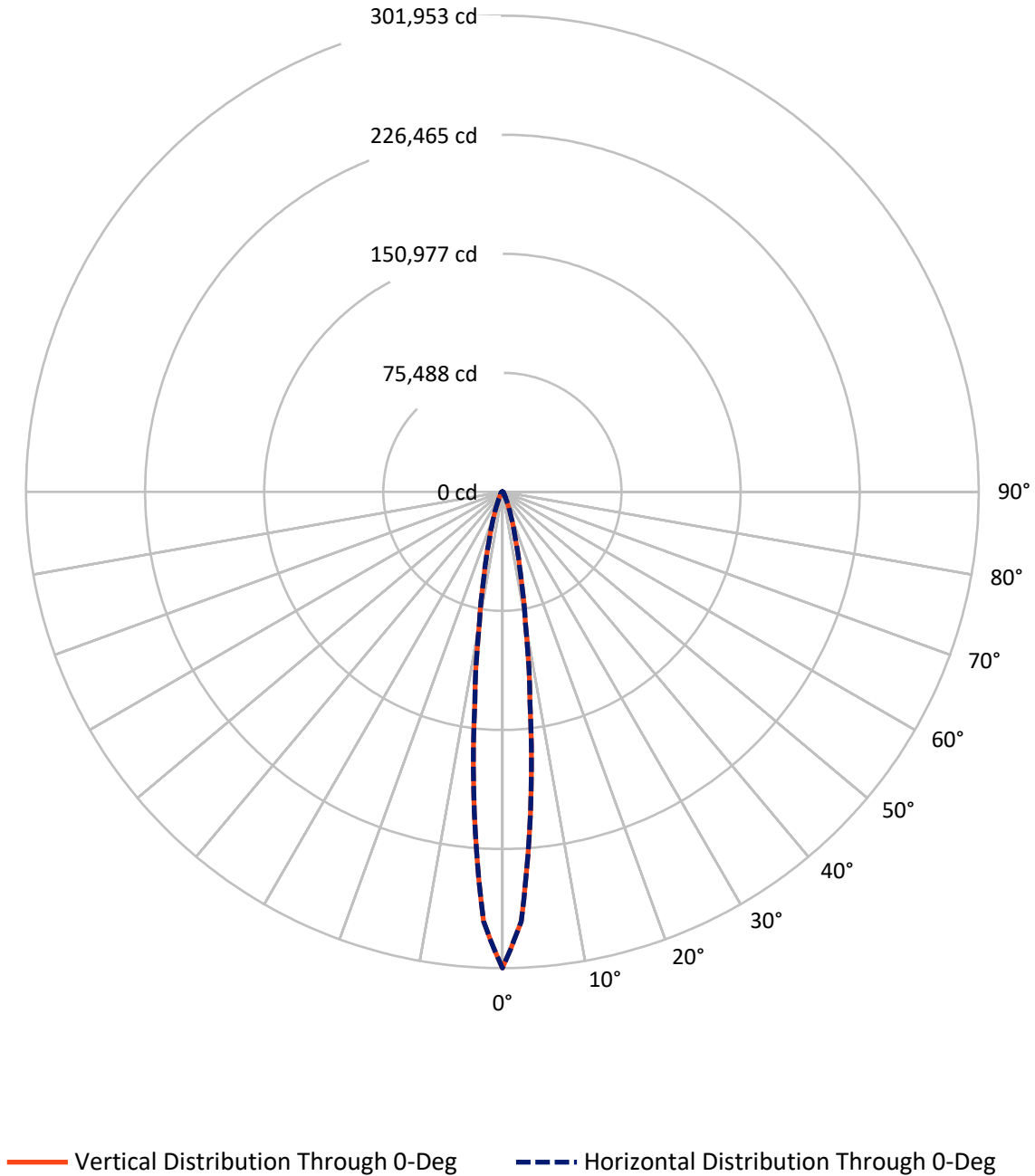
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Lumen Table

90	0.6	4.2	11.1	18.1	21.0	18.1	11.1	4.2	0.6										
80	0.6	4.2	11.1	18.1	21.0	18.1	11.1	4.2	0.6										
70	1.9	2.1	4.5	7.5	10.6	13.4	15.4	16.5	16.5	15.4	13.4	10.6	7.5	4.5	2.1	1.9			
60		3.3	6.9	11.2	15.5	19.3	22.2	23.8	23.8	22.2	19.3	15.5	11.2	6.9	3.3				
50	3.5	4.5	9.1	14.4	19.9	25.6	30.9	34.3	34.3	30.9	25.6	19.9	14.4	9.1	4.5	3.5			
40		5.5	10.9	17.2	25.3	36.2	49.4	60.6	60.6	49.4	36.2	25.3	17.2	10.9	5.5				
30	4.7	6.3	12.3	20.0	32.7	57.8	118.0	201.9	201.9	118.0	57.8	32.7	20.0	12.3	6.3	4.7			
20		6.8	13.3	22.8	42.1	111.2	399.8	993.4	993.4	399.8	111.2	42.1	22.8	13.3	6.8				
10	5.1	7.1	13.8	24.5	50.2	185.3	967.9	4250.7	4250.7	967.9	185.3	50.2	24.5	13.8	7.1	5.1			
0		7.1	13.8	24.5	50.2	185.3	967.9	4250.7	4250.7	967.9	185.3	50.2	24.5	13.8	7.1				
-10	4.7	6.8	13.3	22.8	42.1	111.2	399.8	993.4	993.4	399.8	111.2	42.1	22.8	13.3	6.8	4.7			
-20		6.3	12.3	20.0	32.7	57.8	118.0	201.9	201.9	118.0	57.8	32.7	20.0	12.3	6.3				
-30	3.5	5.5	10.9	17.2	25.3	36.2	49.4	60.6	60.6	49.4	36.2	25.3	17.2	10.9	5.5	3.5			
-40		4.5	9.1	14.4	19.9	25.6	30.9	34.3	34.3	30.9	25.6	19.9	14.4	9.1	4.5				
-50	1.9	3.3	6.9	11.2	15.5	19.3	22.2	23.8	23.8	22.2	19.3	15.5	11.2	6.9	3.3	1.9			
-60		2.1	4.5	7.5	10.6	13.4	15.4	16.5	16.5	15.4	13.4	10.6	7.5	4.5	2.1				
-70	0.6	4.2	11.1	18.1	21.0	18.1	11.1	4.2	0.6										
-80		0.6	4.2	11.1	18.1	21.0	18.1	11.1	4.2	0.6									
-90	0.6	4.2	11.1	18.1	21.0	18.1	11.1	4.2	0.6										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

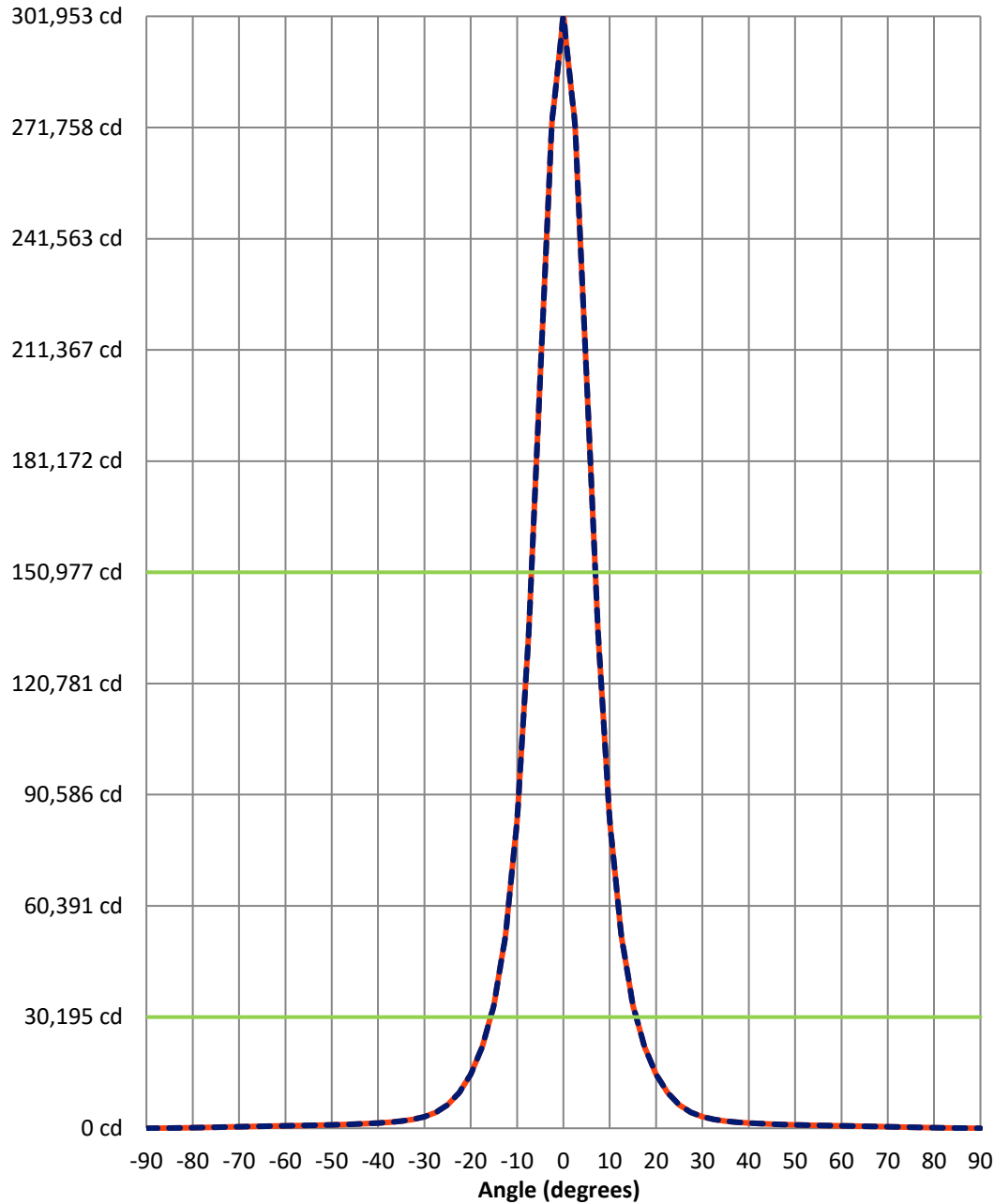
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 13.8°
 V Angle: 13.8°
 Lumens: 9461.2
 Efficiency: 29.2%

Field:
 H Angle: 31.4°
 V Angle: 31.4°
 Lumens: 22029.7
 Efficiency: 67.9%

Spill:
 Lumens: 10416.5
 Efficiency: 32.1%

- 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	1.2	2.4	3.5	4.7	5.8	7.0	8.1	9.2	10.3	11.4
85°	0.0	2.4	4.7	7.0	9.4	11.7	14.0	16.2	18.4	20.6	22.8
82.5°	0.0	3.5	7.0	10.5	14.0	17.5	20.9	24.3	27.8	31.9	36.0
80°	0.0	4.7	9.4	14.0	18.7	23.3	28.0	33.7	39.2	44.7	50.1
77.5°	0.0	5.8	11.7	17.5	23.3	29.5	36.6	43.7	50.6	57.4	64.8
75°	0.0	7.0	14.0	20.9	28.0	36.6	45.1	53.5	62.1	71.9	81.5
72.5°	0.0	8.1	16.2	24.3	33.7	43.7	53.5	63.8	75.4	86.8	98.1
70°	0.0	9.2	18.4	27.8	39.2	50.6	62.1	75.4	88.6	101.7	118.8
67.5°	0.0	10.3	20.6	31.9	44.7	57.4	71.9	86.8	101.7	121.2	140.3
65°	0.0	11.4	22.8	36.0	50.1	64.8	81.5	98.1	118.8	140.3	161.9
62.5°	0.0	12.5	24.9	39.9	55.4	72.7	91.0	111.7	135.6	159.4	184.1
60°	0.0	13.5	27.0	43.8	60.5	80.4	100.3	126.1	152.0	179.0	205.8
57.5°	0.0	14.5	29.5	47.6	66.5	88.0	112.0	140.1	168.8	198.1	229.6
55°	0.0	15.5	31.9	51.2	72.4	95.3	123.7	153.8	185.5	217.5	254.0
52.5°	0.0	16.4	34.3	54.8	78.1	102.8	135.1	167.9	201.6	238.9	277.7
50°	0.0	17.4	36.6	58.3	83.6	112.0	146.2	181.6	218.1	259.7	301.8
47.5°	0.0	18.2	38.8	61.8	88.9	120.9	156.9	194.8	235.9	279.7	325.3
45°	0.0	19.1	41.0	65.6	94.1	129.5	167.8	207.6	253.1	300.0	347.9
42.5°	0.0	19.9	43.0	69.3	99.0	137.6	178.3	221.0	269.6	319.6	368.8
40°	0.0	20.7	45.0	72.8	104.4	145.4	188.3	234.8	285.6	338.2	388.6
37.5°	0.0	21.4	46.8	76.1	110.3	152.9	197.8	247.9	301.3	355.8	407.5
35°	0.0	22.1	48.6	79.2	115.9	160.2	206.7	260.2	316.2	371.9	425.5
32.5°	0.0	22.8	50.2	82.2	121.2	167.2	215.6	271.9	330.3	387.0	442.4
30°	0.0	23.4	51.7	84.9	126.1	173.7	224.9	282.9	343.4	401.2	458.3
27.5°	0.0	23.9	53.1	87.5	130.7	179.8	233.5	293.5	355.4	414.4	473.0
25°	0.0	24.5	54.5	89.9	134.9	185.4	241.5	303.3	366.2	426.5	486.6
22.5°	0.0	24.9	55.6	92.0	138.7	190.5	248.7	312.2	375.9	437.6	498.5
20°	0.0	25.4	56.7	93.9	142.2	195.1	255.3	320.3	384.8	447.7	509.2
17.5°	0.0	25.7	57.7	95.6	145.2	199.2	261.0	327.4	392.6	456.6	518.7
15°	0.0	26.1	58.5	97.1	147.9	202.8	266.1	333.7	399.5	464.3	527.0
12.5°	0.0	26.4	59.2	98.4	150.1	205.8	270.4	339.0	405.3	470.9	534.1
10°	0.0	26.6	59.8	99.4	152.0	208.3	273.9	343.3	410.1	476.4	539.9
7.5°	0.0	26.8	60.2	100.3	153.4	210.2	276.7	346.7	413.8	480.6	544.4
5°	0.0	26.9	60.5	100.8	154.5	211.6	278.6	349.2	416.5	483.7	547.7
2.5°	0.0	27.0	60.7	101.2	155.1	212.4	279.8	350.6	418.1	485.5	549.6
0°	0.0	27.0	60.8	101.3	155.3	212.7	280.2	351.1	418.6	486.1	550.3
-2.5°	0.0	27.0	60.7	101.2	155.1	212.4	279.8	350.6	418.1	485.5	549.6
-5°	0.0	26.9	60.5	100.8	154.5	211.6	278.6	349.2	416.5	483.7	547.7
-7.5°	0.0	26.8	60.2	100.3	153.4	210.2	276.7	346.7	413.8	480.6	544.4
-10°	0.0	26.6	59.8	99.4	152.0	208.3	273.9	343.3	410.1	476.4	539.9
-12.5°	0.0	26.4	59.2	98.4	150.1	205.8	270.4	339.0	405.3	470.9	534.1
-15°	0.0	26.1	58.5	97.1	147.9	202.8	266.1	333.7	399.5	464.3	527.0
-17.5°	0.0	25.7	57.7	95.6	145.2	199.2	261.0	327.4	392.6	456.6	518.7
-20°	0.0	25.4	56.7	93.9	142.2	195.1	255.3	320.3	384.8	447.7	509.2

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REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.9	55.6	92.0	138.7	190.5	248.7	312.2	375.9	437.6	498.5
-25°	0.0	24.5	54.5	89.9	134.9	185.4	241.5	303.3	366.2	426.5	486.6
-27.5°	0.0	23.9	53.1	87.5	130.7	179.8	233.5	293.5	355.4	414.4	473.0
-30°	0.0	23.4	51.7	84.9	126.1	173.7	224.9	282.9	343.4	401.2	458.3
-32.5°	0.0	22.8	50.2	82.2	121.2	167.2	215.6	271.9	330.3	387.0	442.4
-35°	0.0	22.1	48.6	79.2	115.9	160.2	206.7	260.2	316.2	371.9	425.5
-37.5°	0.0	21.4	46.8	76.1	110.3	152.9	197.8	247.9	301.3	355.8	407.5
-40°	0.0	20.7	45.0	72.8	104.4	145.4	188.3	234.8	285.6	338.2	388.6
-42.5°	0.0	19.9	43.0	69.3	99.0	137.6	178.3	221.0	269.6	319.6	368.8
-45°	0.0	19.1	41.0	65.6	94.1	129.5	167.8	207.6	253.1	300.0	347.9
-47.5°	0.0	18.2	38.8	61.8	88.9	120.9	156.9	194.8	235.9	279.7	325.3
-50°	0.0	17.4	36.6	58.3	83.6	112.0	146.2	181.6	218.1	259.7	301.8
-52.5°	0.0	16.4	34.3	54.8	78.1	102.8	135.1	167.9	201.6	238.9	277.7
-55°	0.0	15.5	31.9	51.2	72.4	95.3	123.7	153.8	185.5	217.5	254.0
-57.5°	0.0	14.5	29.5	47.6	66.5	88.0	112.0	140.1	168.8	198.1	229.6
-60°	0.0	13.5	27.0	43.8	60.5	80.4	100.3	126.1	152.0	179.0	205.8
-62.5°	0.0	12.5	24.9	39.9	55.4	72.7	91.0	111.7	135.6	159.4	184.1
-65°	0.0	11.4	22.8	36.0	50.1	64.8	81.5	98.1	118.8	140.3	161.9
-67.5°	0.0	10.3	20.6	31.9	44.7	57.4	71.9	86.8	101.7	121.2	140.3
-70°	0.0	9.2	18.4	27.8	39.2	50.6	62.1	75.4	88.6	101.7	118.8
-72.5°	0.0	8.1	16.2	24.3	33.7	43.7	53.5	63.8	75.4	86.8	98.1
-75°	0.0	7.0	14.0	20.9	28.0	36.6	45.1	53.5	62.1	71.9	81.5
-77.5°	0.0	5.8	11.7	17.5	23.3	29.5	36.6	43.7	50.6	57.4	64.8
-80°	0.0	4.7	9.4	14.0	18.7	23.3	28.0	33.7	39.2	44.7	50.1
-82.5°	0.0	3.5	7.0	10.5	14.0	17.5	20.9	24.3	27.8	31.9	36.0
-85°	0.0	2.4	4.7	7.0	9.4	11.7	14.0	16.2	18.4	20.6	22.8
-87.5°	0.0	1.2	2.4	3.5	4.7	5.8	7.0	8.1	9.2	10.3	11.4
-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: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

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°	12.5	13.5	14.5	15.5	16.4	17.4	18.2	19.1	19.9	20.7	21.4
85°	24.9	27.0	29.5	31.9	34.3	36.6	38.8	41.0	43.0	45.0	46.8
82.5°	39.9	43.8	47.6	51.2	54.8	58.3	61.8	65.6	69.3	72.8	76.1
80°	55.4	60.5	66.5	72.4	78.1	83.6	88.9	94.1	99.0	104.4	110.3
77.5°	72.7	80.4	88.0	95.3	102.8	112.0	120.9	129.5	137.6	145.4	152.9
75°	91.0	100.3	112.0	123.7	135.1	146.2	156.9	167.8	178.3	188.3	197.8
72.5°	111.7	126.1	140.1	153.8	167.9	181.6	194.8	207.6	221.0	234.8	247.9
70°	135.6	152.0	168.8	185.5	201.6	218.1	235.9	253.1	269.6	285.6	301.3
67.5°	159.4	179.0	198.1	217.5	238.9	259.7	279.7	300.0	319.6	338.2	355.8
65°	184.1	205.8	229.6	254.0	277.7	301.8	325.3	347.9	368.8	388.6	407.5
62.5°	208.4	235.6	263.1	290.4	317.8	344.5	369.4	393.1	416.0	437.9	458.8
60°	235.6	266.1	296.8	327.4	357.1	384.8	411.7	437.6	462.7	486.6	508.5
57.5°	263.1	296.8	330.7	363.2	394.1	424.1	453.3	481.5	507.6	532.5	556.2
55°	290.4	327.4	363.2	397.2	430.4	462.7	493.8	522.8	550.7	577.6	603.3
52.5°	317.8	357.1	394.1	430.4	465.9	499.9	531.9	563.0	593.1	620.8	644.2
50°	344.5	384.8	424.1	462.7	499.9	535.0	569.2	602.5	631.4	657.6	683.6
47.5°	369.4	411.7	453.3	493.8	531.9	569.2	605.6	636.8	665.7	695.2	723.7
45°	393.1	437.6	481.5	522.8	563.0	602.5	636.8	668.4	701.0	733.4	767.5
42.5°	416.0	462.7	507.6	550.7	593.1	631.4	665.7	701.0	736.8	774.3	809.4
40°	437.9	486.6	532.5	577.6	620.8	657.6	695.2	733.4	774.3	812.6	848.9
37.5°	458.8	508.5	556.2	603.3	644.2	683.6	723.7	767.5	809.4	848.9	895.5
35°	478.7	529.2	578.8	625.7	666.5	709.1	754.1	799.6	842.3	891.3	943.0
32.5°	496.9	548.8	600.2	645.3	688.9	734.2	783.2	829.1	878.9	933.3	992.5
30°	513.6	567.2	619.4	663.7	710.1	759.8	809.6	858.5	915.5	977.7	1051.8
27.5°	529.2	584.3	635.2	681.8	730.5	783.9	834.1	890.7	953.4	1023.8	1114.5
25°	543.6	600.2	649.8	698.7	751.1	805.3	858.3	920.7	990.1	1078.8	1184.1
22.5°	556.8	614.7	663.3	714.3	770.1	824.8	884.0	951.7	1029.9	1130.4	1251.5
20°	568.6	625.7	675.9	728.7	787.3	842.4	907.4	980.4	1073.3	1188.0	1315.4
17.5°	579.2	635.6	687.4	742.8	801.9	859.9	928.9	1006.2	1112.4	1239.9	1374.1
15°	588.5	644.2	697.4	755.2	814.7	876.9	949.8	1036.8	1151.3	1286.5	1426.7
12.5°	596.3	651.5	706.0	765.7	825.6	891.4	967.8	1064.1	1187.8	1327.8	1488.6
10°	602.8	657.6	713.1	774.4	834.6	903.4	982.6	1086.7	1218.0	1362.2	1540.1
7.5°	607.9	662.3	718.6	781.2	841.6	912.8	994.3	1104.4	1241.8	1389.3	1580.8
5°	611.5	665.7	722.6	786.1	846.6	919.6	1002.7	1117.2	1258.9	1408.9	1610.2
2.5°	613.7	667.7	725.0	789.0	849.7	923.6	1007.7	1124.9	1269.2	1420.7	1628.0
0°	614.4	668.4	725.8	790.0	850.7	925.0	1009.4	1127.5	1272.7	1424.6	1633.9
-2.5°	613.7	667.7	725.0	789.0	849.7	923.6	1007.7	1124.9	1269.2	1420.7	1628.0
-5°	611.5	665.7	722.6	786.1	846.6	919.6	1002.7	1117.2	1258.9	1408.9	1610.2
-7.5°	607.9	662.3	718.6	781.2	841.6	912.8	994.3	1104.4	1241.8	1389.3	1580.8
-10°	602.8	657.6	713.1	774.4	834.6	903.4	982.6	1086.7	1218.0	1362.2	1540.1
-12.5°	596.3	651.5	706.0	765.7	825.6	891.4	967.8	1064.1	1187.8	1327.8	1488.6
-15°	588.5	644.2	697.4	755.2	814.7	876.9	949.8	1036.8	1151.3	1286.5	1426.7
-17.5°	579.2	635.6	687.4	742.8	801.9	859.9	928.9	1006.2	1112.4	1239.9	1374.1
-20°	568.6	625.7	675.9	728.7	787.3	842.4	907.4	980.4	1073.3	1188.0	1315.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	556.8	614.7	663.3	714.3	770.1	824.8	884.0	951.7	1029.9	1130.4	1251.5
-25°	543.6	600.2	649.8	698.7	751.1	805.3	858.3	920.7	990.1	1078.8	1184.1
-27.5°	529.2	584.3	635.2	681.8	730.5	783.9	834.1	890.7	953.4	1023.8	1114.5
-30°	513.6	567.2	619.4	663.7	710.1	759.8	809.6	858.5	915.5	977.7	1051.8
-32.5°	496.9	548.8	600.2	645.3	688.9	734.2	783.2	829.1	878.9	933.3	992.5
-35°	478.7	529.2	578.8	625.7	666.5	709.1	754.1	799.6	842.3	891.3	943.0
-37.5°	458.8	508.5	556.2	603.3	644.2	683.6	723.7	767.5	809.4	848.9	895.5
-40°	437.9	486.6	532.5	577.6	620.8	657.6	695.2	733.4	774.3	812.6	848.9
-42.5°	416.0	462.7	507.6	550.7	593.1	631.4	665.7	701.0	736.8	774.3	809.4
-45°	393.1	437.6	481.5	522.8	563.0	602.5	636.8	668.4	701.0	733.4	767.5
-47.5°	369.4	411.7	453.3	493.8	531.9	569.2	605.6	636.8	665.7	695.2	723.7
-50°	344.5	384.8	424.1	462.7	499.9	535.0	569.2	602.5	631.4	657.6	683.6
-52.5°	317.8	357.1	394.1	430.4	465.9	499.9	531.9	563.0	593.1	620.8	644.2
-55°	290.4	327.4	363.2	397.2	430.4	462.7	493.8	522.8	550.7	577.6	603.3
-57.5°	263.1	296.8	330.7	363.2	394.1	424.1	453.3	481.5	507.6	532.5	556.2
-60°	235.6	266.1	296.8	327.4	357.1	384.8	411.7	437.6	462.7	486.6	508.5
-62.5°	208.4	235.6	263.1	290.4	317.8	344.5	369.4	393.1	416.0	437.9	458.8
-65°	184.1	205.8	229.6	254.0	277.7	301.8	325.3	347.9	368.8	388.6	407.5
-67.5°	159.4	179.0	198.1	217.5	238.9	259.7	279.7	300.0	319.6	338.2	355.8
-70°	135.6	152.0	168.8	185.5	201.6	218.1	235.9	253.1	269.6	285.6	301.3
-72.5°	111.7	126.1	140.1	153.8	167.9	181.6	194.8	207.6	221.0	234.8	247.9
-75°	91.0	100.3	112.0	123.7	135.1	146.2	156.9	167.8	178.3	188.3	197.8
-77.5°	72.7	80.4	88.0	95.3	102.8	112.0	120.9	129.5	137.6	145.4	152.9
-80°	55.4	60.5	66.5	72.4	78.1	83.6	88.9	94.1	99.0	104.4	110.3
-82.5°	39.9	43.8	47.6	51.2	54.8	58.3	61.8	65.6	69.3	72.8	76.1
-85°	24.9	27.0	29.5	31.9	34.3	36.6	38.8	41.0	43.0	45.0	46.8
-87.5°	12.5	13.5	14.5	15.5	16.4	17.4	18.2	19.1	19.9	20.7	21.4
-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: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

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°	22.1	22.8	23.4	23.9	24.5	24.9	25.4	25.7	26.1	26.4	26.6
85°	48.6	50.2	51.7	53.1	54.5	55.6	56.7	57.7	58.5	59.2	59.8
82.5°	79.2	82.2	84.9	87.5	89.9	92.0	93.9	95.6	97.1	98.4	99.4
80°	115.9	121.2	126.1	130.7	134.9	138.7	142.2	145.2	147.9	150.1	152.0
77.5°	160.2	167.2	173.7	179.8	185.4	190.5	195.1	199.2	202.8	205.8	208.3
75°	206.7	215.6	224.9	233.5	241.5	248.7	255.3	261.0	266.1	270.4	273.9
72.5°	260.2	271.9	282.9	293.5	303.3	312.2	320.3	327.4	333.7	339.0	343.3
70°	316.2	330.3	343.4	355.4	366.2	375.9	384.8	392.6	399.5	405.3	410.1
67.5°	371.9	387.0	401.2	414.4	426.5	437.6	447.7	456.6	464.3	470.9	476.4
65°	425.5	442.4	458.3	473.0	486.6	498.5	509.2	518.7	527.0	534.1	539.9
62.5°	478.7	496.9	513.6	529.2	543.6	556.8	568.6	579.2	588.5	596.3	602.8
60°	529.2	548.8	567.2	584.3	600.2	614.7	625.7	635.6	644.2	651.5	657.6
57.5°	578.8	600.2	619.4	635.2	649.8	663.3	675.9	687.4	697.4	706.0	713.1
55°	625.7	645.3	663.7	681.8	698.7	714.3	728.7	742.8	755.2	765.7	774.4
52.5°	666.5	688.9	710.1	730.5	751.1	770.1	787.3	801.9	814.7	825.6	834.6
50°	709.1	734.2	759.8	783.9	805.3	824.8	842.4	859.9	876.9	891.4	903.4
47.5°	754.1	783.2	809.6	834.1	858.3	884.0	907.4	928.9	949.8	967.8	982.6
45°	799.6	829.1	858.5	890.7	920.7	951.7	980.4	1006.2	1036.8	1064.1	1086.7
42.5°	842.3	878.9	915.5	953.4	990.1	1029.9	1073.3	1112.4	1151.3	1187.8	1218.0
40°	891.3	933.3	977.7	1023.8	1078.8	1130.4	1188.0	1239.9	1286.5	1327.8	1362.2
37.5°	943.0	992.5	1051.8	1114.5	1184.1	1251.5	1315.4	1374.1	1426.7	1488.6	1540.1
35°	997.4	1066.0	1138.3	1220.5	1299.2	1374.9	1452.4	1539.6	1617.3	1709.0	1792.4
32.5°	1066.0	1147.3	1239.0	1329.0	1415.6	1523.9	1627.4	1764.1	1889.0	2022.8	2157.2
30°	1138.3	1239.0	1339.0	1440.5	1567.8	1713.4	1878.5	2070.2	2270.3	2468.7	2699.8
27.5°	1220.5	1329.0	1440.5	1582.5	1758.7	1950.7	2212.9	2483.0	2824.9	3124.8	3545.3
25°	1299.2	1415.6	1567.8	1758.7	1985.7	2285.7	2661.3	3071.1	3652.7	4198.1	4890.2
22.5°	1374.9	1523.9	1713.4	1950.7	2285.7	2721.6	3244.3	3980.7	4875.8	5883.1	6990.3
20°	1452.4	1627.4	1878.5	2212.9	2661.3	3244.3	4091.9	5270.2	6598.0	8396.1	10108.3
17.5°	1539.6	1764.1	2070.2	2483.0	3071.1	3980.7	5270.2	6941.7	9124.9	11866.3	14499.0
15°	1617.3	1889.0	2270.3	2824.9	3652.7	4875.8	6598.0	9124.9	12469.3	16361.3	20786.2
12.5°	1709.0	2022.8	2468.7	3124.8	4198.1	5883.1	8396.1	11866.3	16361.3	21860.9	29129.7
10°	1792.4	2157.2	2699.8	3545.3	4890.2	6990.3	10108.3	14499.0	20786.2	29129.7	40206.2
7.5°	1858.3	2263.8	2883.8	3882.2	5517.8	8123.8	12037.7	17686.8	25643.0	36874.1	52640.0
5°	1906.0	2341.0	3017.6	4128.0	5977.8	8959.4	13471.0	20139.0	29871.6	45182.3	68986.3
2.5°	1934.8	2387.9	3098.8	4277.6	6258.9	9472.0	14355.5	21664.6	32534.1	50510.5	79786.5
0°	1944.5	2403.6	3126.1	4327.9	6353.4	9644.9	14654.7	22183.0	33444.9	52353.3	83593.8
-2.5°	1934.8	2387.9	3098.8	4277.6	6258.9	9472.0	14355.5	21664.6	32534.1	50510.5	79786.5
-5°	1906.0	2341.0	3017.6	4128.0	5977.8	8959.4	13471.0	20139.0	29871.6	45182.3	68986.3
-7.5°	1858.3	2263.8	2883.8	3882.2	5517.8	8123.8	12037.7	17686.8	25643.0	36874.1	52640.0
-10°	1792.4	2157.2	2699.8	3545.3	4890.2	6990.3	10108.3	14499.0	20786.2	29129.7	40206.2
-12.5°	1709.0	2022.8	2468.7	3124.8	4198.1	5883.1	8396.1	11866.3	16361.3	21860.9	29129.7
-15°	1617.3	1889.0	2270.3	2824.9	3652.7	4875.8	6598.0	9124.9	12469.3	16361.3	20786.2
-17.5°	1539.6	1764.1	2070.2	2483.0	3071.1	3980.7	5270.2	6941.7	9124.9	11866.3	14499.0
-20°	1452.4	1627.4	1878.5	2212.9	2661.3	3244.3	4091.9	5270.2	6598.0	8396.1	10108.3

Classified

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

Scaled Data Report



REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1374.9	1523.9	1713.4	1950.7	2285.7	2721.6	3244.3	3980.7	4875.8	5883.1	6990.3
-25°	1299.2	1415.6	1567.8	1758.7	1985.7	2285.7	2661.3	3071.1	3652.7	4198.1	4890.2
-27.5°	1220.5	1329.0	1440.5	1582.5	1758.7	1950.7	2212.9	2483.0	2824.9	3124.8	3545.3
-30°	1138.3	1239.0	1339.0	1440.5	1567.8	1713.4	1878.5	2070.2	2270.3	2468.7	2699.8
-32.5°	1066.0	1147.3	1239.0	1329.0	1415.6	1523.9	1627.4	1764.1	1889.0	2022.8	2157.2
-35°	997.4	1066.0	1138.3	1220.5	1299.2	1374.9	1452.4	1539.6	1617.3	1709.0	1792.4
-37.5°	943.0	992.5	1051.8	1114.5	1184.1	1251.5	1315.4	1374.1	1426.7	1488.6	1540.1
-40°	891.3	933.3	977.7	1023.8	1078.8	1130.4	1188.0	1239.9	1286.5	1327.8	1362.2
-42.5°	842.3	878.9	915.5	953.4	990.1	1029.9	1073.3	1112.4	1151.3	1187.8	1218.0
-45°	799.6	829.1	858.5	890.7	920.7	951.7	980.4	1006.2	1036.8	1064.1	1086.7
-47.5°	754.1	783.2	809.6	834.1	858.3	884.0	907.4	928.9	949.8	967.8	982.6
-50°	709.1	734.2	759.8	783.9	805.3	824.8	842.4	859.9	876.9	891.4	903.4
-52.5°	666.5	688.9	710.1	730.5	751.1	770.1	787.3	801.9	814.7	825.6	834.6
-55°	625.7	645.3	663.7	681.8	698.7	714.3	728.7	742.8	755.2	765.7	774.4
-57.5°	578.8	600.2	619.4	635.2	649.8	663.3	675.9	687.4	697.4	706.0	713.1
-60°	529.2	548.8	567.2	584.3	600.2	614.7	625.7	635.6	644.2	651.5	657.6
-62.5°	478.7	496.9	513.6	529.2	543.6	556.8	568.6	579.2	588.5	596.3	602.8
-65°	425.5	442.4	458.3	473.0	486.6	498.5	509.2	518.7	527.0	534.1	539.9
-67.5°	371.9	387.0	401.2	414.4	426.5	437.6	447.7	456.6	464.3	470.9	476.4
-70°	316.2	330.3	343.4	355.4	366.2	375.9	384.8	392.6	399.5	405.3	410.1
-72.5°	260.2	271.9	282.9	293.5	303.3	312.2	320.3	327.4	333.7	339.0	343.3
-75°	206.7	215.6	224.9	233.5	241.5	248.7	255.3	261.0	266.1	270.4	273.9
-77.5°	160.2	167.2	173.7	179.8	185.4	190.5	195.1	199.2	202.8	205.8	208.3
-80°	115.9	121.2	126.1	130.7	134.9	138.7	142.2	145.2	147.9	150.1	152.0
-82.5°	79.2	82.2	84.9	87.5	89.9	92.0	93.9	95.6	97.1	98.4	99.4
-85°	48.6	50.2	51.7	53.1	54.5	55.6	56.7	57.7	58.5	59.2	59.8
-87.5°	22.1	22.8	23.4	23.9	24.5	24.9	25.4	25.7	26.1	26.4	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: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

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°	26.8	26.9	27.0	27.0	27.0	26.9	26.8	26.6	26.4	26.1	25.7
85°	60.2	60.5	60.7	60.8	60.7	60.5	60.2	59.8	59.2	58.5	57.7
82.5°	100.3	100.8	101.2	101.3	101.2	100.8	100.3	99.4	98.4	97.1	95.6
80°	153.4	154.5	155.1	155.3	155.1	154.5	153.4	152.0	150.1	147.9	145.2
77.5°	210.2	211.6	212.4	212.7	212.4	211.6	210.2	208.3	205.8	202.8	199.2
75°	276.7	278.6	279.8	280.2	279.8	278.6	276.7	273.9	270.4	266.1	261.0
72.5°	346.7	349.2	350.6	351.1	350.6	349.2	346.7	343.3	339.0	333.7	327.4
70°	413.8	416.5	418.1	418.6	418.1	416.5	413.8	410.1	405.3	399.5	392.6
67.5°	480.6	483.7	485.5	486.1	485.5	483.7	480.6	476.4	470.9	464.3	456.6
65°	544.4	547.7	549.6	550.3	549.6	547.7	544.4	539.9	534.1	527.0	518.7
62.5°	607.9	611.5	613.7	614.4	613.7	611.5	607.9	602.8	596.3	588.5	579.2
60°	662.3	665.7	667.7	668.4	667.7	665.7	662.3	657.6	651.5	644.2	635.6
57.5°	718.6	722.6	725.0	725.8	725.0	722.6	718.6	713.1	706.0	697.4	687.4
55°	781.2	786.1	789.0	790.0	789.0	786.1	781.2	774.4	765.7	755.2	742.8
52.5°	841.6	846.6	849.7	850.7	849.7	846.6	841.6	834.6	825.6	814.7	801.9
50°	912.8	919.6	923.6	925.0	923.6	919.6	912.8	903.4	891.4	876.9	859.9
47.5°	994.3	1002.7	1007.7	1009.4	1007.7	1002.7	994.3	982.6	967.8	949.8	928.9
45°	1104.4	1117.2	1124.9	1127.5	1124.9	1117.2	1104.4	1086.7	1064.1	1036.8	1006.2
42.5°	1241.8	1258.9	1269.2	1272.7	1269.2	1258.9	1241.8	1218.0	1187.8	1151.3	1112.4
40°	1389.3	1408.9	1420.7	1424.6	1420.7	1408.9	1389.3	1362.2	1327.8	1286.5	1239.9
37.5°	1580.8	1610.2	1628.0	1633.9	1628.0	1610.2	1580.8	1540.1	1488.6	1426.7	1374.1
35°	1858.3	1906.0	1934.8	1944.5	1934.8	1906.0	1858.3	1792.4	1709.0	1617.3	1539.6
32.5°	2263.8	2341.0	2387.9	2403.6	2387.9	2341.0	2263.8	2157.2	2022.8	1889.0	1764.1
30°	2883.8	3017.6	3098.8	3126.1	3098.8	3017.6	2883.8	2699.8	2468.7	2270.3	2070.2
27.5°	3882.2	4128.0	4277.6	4327.9	4277.6	4128.0	3882.2	3545.3	3124.8	2824.9	2483.0
25°	5517.8	5977.8	6258.9	6353.4	6258.9	5977.8	5517.8	4890.2	4198.1	3652.7	3071.1
22.5°	8123.8	8959.4	9472.0	9644.9	9472.0	8959.4	8123.8	6990.3	5883.1	4875.8	3980.7
20°	12037.7	13471.0	14355.5	14654.7	14355.5	13471.0	12037.7	10108.3	8396.1	6598.0	5270.2
17.5°	17686.8	20139.0	21664.6	22183.0	21664.6	20139.0	17686.8	14499.0	11866.3	9124.9	6941.7
15°	25643.0	29871.6	32534.1	33444.9	32534.1	29871.6	25643.0	20786.2	16361.3	12469.3	9124.9
12.5°	36874.1	45182.3	50510.5	52353.3	50510.5	45182.3	36874.1	29129.7	21860.9	16361.3	11866.3
10°	52640.0	68986.3	79786.5	83593.8	79786.5	68986.3	52640.0	40206.2	29129.7	20786.2	14499.0
7.5°	76203.4	103728.8	126060.5	134232.2	126060.5	103728.8	76203.4	52640.0	36874.1	25643.0	17686.8
5°	103728.8	146341.0	187627.8	204076.0	187627.8	146341.0	103728.8	68986.3	45182.3	29871.6	20139.0
2.5°	126060.5	187627.8	244204.0	272552.5	244204.0	187627.8	126060.5	79786.5	50510.5	32534.1	21664.6
0°	134232.2	204076.0	272552.5	301953.2	272552.5	204076.0	134232.2	83593.8	52353.3	33444.9	22183.0
-2.5°	126060.5	187627.8	244204.0	272552.5	244204.0	187627.8	126060.5	79786.5	50510.5	32534.1	21664.6
-5°	103728.8	146341.0	187627.8	204076.0	187627.8	146341.0	103728.8	68986.3	45182.3	29871.6	20139.0
-7.5°	76203.4	103728.8	126060.5	134232.2	126060.5	103728.8	76203.4	52640.0	36874.1	25643.0	17686.8
-10°	52640.0	68986.3	79786.5	83593.8	79786.5	68986.3	52640.0	40206.2	29129.7	20786.2	14499.0
-12.5°	36874.1	45182.3	50510.5	52353.3	50510.5	45182.3	36874.1	29129.7	21860.9	16361.3	11866.3
-15°	25643.0	29871.6	32534.1	33444.9	32534.1	29871.6	25643.0	20786.2	16361.3	12469.3	9124.9
-17.5°	17686.8	20139.0	21664.6	22183.0	21664.6	20139.0	17686.8	14499.0	11866.3	9124.9	6941.7
-20°	12037.7	13471.0	14355.5	14654.7	14355.5	13471.0	12037.7	10108.3	8396.1	6598.0	5270.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8123.8	8959.4	9472.0	9644.9	9472.0	8959.4	8123.8	6990.3	5883.1	4875.8	3980.7
-25°	5517.8	5977.8	6258.9	6353.4	6258.9	5977.8	5517.8	4890.2	4198.1	3652.7	3071.1
-27.5°	3882.2	4128.0	4277.6	4327.9	4277.6	4128.0	3882.2	3545.3	3124.8	2824.9	2483.0
-30°	2883.8	3017.6	3098.8	3126.1	3098.8	3017.6	2883.8	2699.8	2468.7	2270.3	2070.2
-32.5°	2263.8	2341.0	2387.9	2403.6	2387.9	2341.0	2263.8	2157.2	2022.8	1889.0	1764.1
-35°	1858.3	1906.0	1934.8	1944.5	1934.8	1906.0	1858.3	1792.4	1709.0	1617.3	1539.6
-37.5°	1580.8	1610.2	1628.0	1633.9	1628.0	1610.2	1580.8	1540.1	1488.6	1426.7	1374.1
-40°	1389.3	1408.9	1420.7	1424.6	1420.7	1408.9	1389.3	1362.2	1327.8	1286.5	1239.9
-42.5°	1241.8	1258.9	1269.2	1272.7	1269.2	1258.9	1241.8	1218.0	1187.8	1151.3	1112.4
-45°	1104.4	1117.2	1124.9	1127.5	1124.9	1117.2	1104.4	1086.7	1064.1	1036.8	1006.2
-47.5°	994.3	1002.7	1007.7	1009.4	1007.7	1002.7	994.3	982.6	967.8	949.8	928.9
-50°	912.8	919.6	923.6	925.0	923.6	919.6	912.8	903.4	891.4	876.9	859.9
-52.5°	841.6	846.6	849.7	850.7	849.7	846.6	841.6	834.6	825.6	814.7	801.9
-55°	781.2	786.1	789.0	790.0	789.0	786.1	781.2	774.4	765.7	755.2	742.8
-57.5°	718.6	722.6	725.0	725.8	725.0	722.6	718.6	713.1	706.0	697.4	687.4
-60°	662.3	665.7	667.7	668.4	667.7	665.7	662.3	657.6	651.5	644.2	635.6
-62.5°	607.9	611.5	613.7	614.4	613.7	611.5	607.9	602.8	596.3	588.5	579.2
-65°	544.4	547.7	549.6	550.3	549.6	547.7	544.4	539.9	534.1	527.0	518.7
-67.5°	480.6	483.7	485.5	486.1	485.5	483.7	480.6	476.4	470.9	464.3	456.6
-70°	413.8	416.5	418.1	418.6	418.1	416.5	413.8	410.1	405.3	399.5	392.6
-72.5°	346.7	349.2	350.6	351.1	350.6	349.2	346.7	343.3	339.0	333.7	327.4
-75°	276.7	278.6	279.8	280.2	279.8	278.6	276.7	273.9	270.4	266.1	261.0
-77.5°	210.2	211.6	212.4	212.7	212.4	211.6	210.2	208.3	205.8	202.8	199.2
-80°	153.4	154.5	155.1	155.3	155.1	154.5	153.4	152.0	150.1	147.9	145.2
-82.5°	100.3	100.8	101.2	101.3	101.2	100.8	100.3	99.4	98.4	97.1	95.6
-85°	60.2	60.5	60.7	60.8	60.7	60.5	60.2	59.8	59.2	58.5	57.7
-87.5°	26.8	26.9	27.0	27.0	27.0	26.9	26.8	26.6	26.4	26.1	25.7
-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: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

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°	25.4	24.9	24.5	23.9	23.4	22.8	22.1	21.4	20.7	19.9	19.1
85°	56.7	55.6	54.5	53.1	51.7	50.2	48.6	46.8	45.0	43.0	41.0
82.5°	93.9	92.0	89.9	87.5	84.9	82.2	79.2	76.1	72.8	69.3	65.6
80°	142.2	138.7	134.9	130.7	126.1	121.2	115.9	110.3	104.4	99.0	94.1
77.5°	195.1	190.5	185.4	179.8	173.7	167.2	160.2	152.9	145.4	137.6	129.5
75°	255.3	248.7	241.5	233.5	224.9	215.6	206.7	197.8	188.3	178.3	167.8
72.5°	320.3	312.2	303.3	293.5	282.9	271.9	260.2	247.9	234.8	221.0	207.6
70°	384.8	375.9	366.2	355.4	343.4	330.3	316.2	301.3	285.6	269.6	253.1
67.5°	447.7	437.6	426.5	414.4	401.2	387.0	371.9	355.8	338.2	319.6	300.0
65°	509.2	498.5	486.6	473.0	458.3	442.4	425.5	407.5	388.6	368.8	347.9
62.5°	568.6	556.8	543.6	529.2	513.6	496.9	478.7	458.8	437.9	416.0	393.1
60°	625.7	614.7	600.2	584.3	567.2	548.8	529.2	508.5	486.6	462.7	437.6
57.5°	675.9	663.3	649.8	635.2	619.4	600.2	578.8	556.2	532.5	507.6	481.5
55°	728.7	714.3	698.7	681.8	663.7	645.3	625.7	603.3	577.6	550.7	522.8
52.5°	787.3	770.1	751.1	730.5	710.1	688.9	666.5	644.2	620.8	593.1	563.0
50°	842.4	824.8	805.3	783.9	759.8	734.2	709.1	683.6	657.6	631.4	602.5
47.5°	907.4	884.0	858.3	834.1	809.6	783.2	754.1	723.7	695.2	665.7	636.8
45°	980.4	951.7	920.7	890.7	858.5	829.1	799.6	767.5	733.4	701.0	668.4
42.5°	1073.3	1029.9	990.1	953.4	915.5	878.9	842.3	809.4	774.3	736.8	701.0
40°	1188.0	1130.4	1078.8	1023.8	977.7	933.3	891.3	848.9	812.6	774.3	733.4
37.5°	1315.4	1251.5	1184.1	1114.5	1051.8	992.5	943.0	895.5	848.9	809.4	767.5
35°	1452.4	1374.9	1299.2	1220.5	1138.3	1066.0	997.4	943.0	891.3	842.3	799.6
32.5°	1627.4	1523.9	1415.6	1329.0	1239.0	1147.3	1066.0	992.5	933.3	878.9	829.1
30°	1878.5	1713.4	1567.8	1440.5	1339.0	1239.0	1138.3	1051.8	977.7	915.5	858.5
27.5°	2212.9	1950.7	1758.7	1582.5	1440.5	1329.0	1220.5	1114.5	1023.8	953.4	890.7
25°	2661.3	2285.7	1985.7	1758.7	1567.8	1415.6	1299.2	1184.1	1078.8	990.1	920.7
22.5°	3244.3	2721.6	2285.7	1950.7	1713.4	1523.9	1374.9	1251.5	1130.4	1029.9	951.7
20°	4091.9	3244.3	2661.3	2212.9	1878.5	1627.4	1452.4	1315.4	1188.0	1073.3	980.4
17.5°	5270.2	3980.7	3071.1	2483.0	2070.2	1764.1	1539.6	1374.1	1239.9	1112.4	1006.2
15°	6598.0	4875.8	3652.7	2824.9	2270.3	1889.0	1617.3	1426.7	1286.5	1151.3	1036.8
12.5°	8396.1	5883.1	4198.1	3124.8	2468.7	2022.8	1709.0	1488.6	1327.8	1187.8	1064.1
10°	10108.3	6990.3	4890.2	3545.3	2699.8	2157.2	1792.4	1540.1	1362.2	1218.0	1086.7
7.5°	12037.7	8123.8	5517.8	3882.2	2883.8	2263.8	1858.3	1580.8	1389.3	1241.8	1104.4
5°	13471.0	8959.4	5977.8	4128.0	3017.6	2341.0	1906.0	1610.2	1408.9	1258.9	1117.2
2.5°	14355.5	9472.0	6258.9	4277.6	3098.8	2387.9	1934.8	1628.0	1420.7	1269.2	1124.9
0°	14654.7	9644.9	6353.4	4327.9	3126.1	2403.6	1944.5	1633.9	1424.6	1272.7	1127.5
-2.5°	14355.5	9472.0	6258.9	4277.6	3098.8	2387.9	1934.8	1628.0	1420.7	1269.2	1124.9
-5°	13471.0	8959.4	5977.8	4128.0	3017.6	2341.0	1906.0	1610.2	1408.9	1258.9	1117.2
-7.5°	12037.7	8123.8	5517.8	3882.2	2883.8	2263.8	1858.3	1580.8	1389.3	1241.8	1104.4
-10°	10108.3	6990.3	4890.2	3545.3	2699.8	2157.2	1792.4	1540.1	1362.2	1218.0	1086.7
-12.5°	8396.1	5883.1	4198.1	3124.8	2468.7	2022.8	1709.0	1488.6	1327.8	1187.8	1064.1
-15°	6598.0	4875.8	3652.7	2824.9	2270.3	1889.0	1617.3	1426.7	1286.5	1151.3	1036.8
-17.5°	5270.2	3980.7	3071.1	2483.0	2070.2	1764.1	1539.6	1374.1	1239.9	1112.4	1006.2
-20°	4091.9	3244.3	2661.3	2212.9	1878.5	1627.4	1452.4	1315.4	1188.0	1073.3	980.4



REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3244.3	2721.6	2285.7	1950.7	1713.4	1523.9	1374.9	1251.5	1130.4	1029.9	951.7
-25°	2661.3	2285.7	1985.7	1758.7	1567.8	1415.6	1299.2	1184.1	1078.8	990.1	920.7
-27.5°	2212.9	1950.7	1758.7	1582.5	1440.5	1329.0	1220.5	1114.5	1023.8	953.4	890.7
-30°	1878.5	1713.4	1567.8	1440.5	1339.0	1239.0	1138.3	1051.8	977.7	915.5	858.5
-32.5°	1627.4	1523.9	1415.6	1329.0	1239.0	1147.3	1066.0	992.5	933.3	878.9	829.1
-35°	1452.4	1374.9	1299.2	1220.5	1138.3	1066.0	997.4	943.0	891.3	842.3	799.6
-37.5°	1315.4	1251.5	1184.1	1114.5	1051.8	992.5	943.0	895.5	848.9	809.4	767.5
-40°	1188.0	1130.4	1078.8	1023.8	977.7	933.3	891.3	848.9	812.6	774.3	733.4
-42.5°	1073.3	1029.9	990.1	953.4	915.5	878.9	842.3	809.4	774.3	736.8	701.0
-45°	980.4	951.7	920.7	890.7	858.5	829.1	799.6	767.5	733.4	701.0	668.4
-47.5°	907.4	884.0	858.3	834.1	809.6	783.2	754.1	723.7	695.2	665.7	636.8
-50°	842.4	824.8	805.3	783.9	759.8	734.2	709.1	683.6	657.6	631.4	602.5
-52.5°	787.3	770.1	751.1	730.5	710.1	688.9	666.5	644.2	620.8	593.1	563.0
-55°	728.7	714.3	698.7	681.8	663.7	645.3	625.7	603.3	577.6	550.7	522.8
-57.5°	675.9	663.3	649.8	635.2	619.4	600.2	578.8	556.2	532.5	507.6	481.5
-60°	625.7	614.7	600.2	584.3	567.2	548.8	529.2	508.5	486.6	462.7	437.6
-62.5°	568.6	556.8	543.6	529.2	513.6	496.9	478.7	458.8	437.9	416.0	393.1
-65°	509.2	498.5	486.6	473.0	458.3	442.4	425.5	407.5	388.6	368.8	347.9
-67.5°	447.7	437.6	426.5	414.4	401.2	387.0	371.9	355.8	338.2	319.6	300.0
-70°	384.8	375.9	366.2	355.4	343.4	330.3	316.2	301.3	285.6	269.6	253.1
-72.5°	320.3	312.2	303.3	293.5	282.9	271.9	260.2	247.9	234.8	221.0	207.6
-75°	255.3	248.7	241.5	233.5	224.9	215.6	206.7	197.8	188.3	178.3	167.8
-77.5°	195.1	190.5	185.4	179.8	173.7	167.2	160.2	152.9	145.4	137.6	129.5
-80°	142.2	138.7	134.9	130.7	126.1	121.2	115.9	110.3	104.4	99.0	94.1
-82.5°	93.9	92.0	89.9	87.5	84.9	82.2	79.2	76.1	72.8	69.3	65.6
-85°	56.7	55.6	54.5	53.1	51.7	50.2	48.6	46.8	45.0	43.0	41.0
-87.5°	25.4	24.9	24.5	23.9	23.4	22.8	22.1	21.4	20.7	19.9	19.1
-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: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

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°	18.2	17.4	16.4	15.5	14.5	13.5	12.5	11.4	10.3	9.2	8.1
85°	38.8	36.6	34.3	31.9	29.5	27.0	24.9	22.8	20.6	18.4	16.2
82.5°	61.8	58.3	54.8	51.2	47.6	43.8	39.9	36.0	31.9	27.8	24.3
80°	88.9	83.6	78.1	72.4	66.5	60.5	55.4	50.1	44.7	39.2	33.7
77.5°	120.9	112.0	102.8	95.3	88.0	80.4	72.7	64.8	57.4	50.6	43.7
75°	156.9	146.2	135.1	123.7	112.0	100.3	91.0	81.5	71.9	62.1	53.5
72.5°	194.8	181.6	167.9	153.8	140.1	126.1	111.7	98.1	86.8	75.4	63.8
70°	235.9	218.1	201.6	185.5	168.8	152.0	135.6	118.8	101.7	88.6	75.4
67.5°	279.7	259.7	238.9	217.5	198.1	179.0	159.4	140.3	121.2	101.7	86.8
65°	325.3	301.8	277.7	254.0	229.6	205.8	184.1	161.9	140.3	118.8	98.1
62.5°	369.4	344.5	317.8	290.4	263.1	235.6	208.4	184.1	159.4	135.6	111.7
60°	411.7	384.8	357.1	327.4	296.8	266.1	235.6	205.8	179.0	152.0	126.1
57.5°	453.3	424.1	394.1	363.2	330.7	296.8	263.1	229.6	198.1	168.8	140.1
55°	493.8	462.7	430.4	397.2	363.2	327.4	290.4	254.0	217.5	185.5	153.8
52.5°	531.9	499.9	465.9	430.4	394.1	357.1	317.8	277.7	238.9	201.6	167.9
50°	569.2	535.0	499.9	462.7	424.1	384.8	344.5	301.8	259.7	218.1	181.6
47.5°	605.6	569.2	531.9	493.8	453.3	411.7	369.4	325.3	279.7	235.9	194.8
45°	636.8	602.5	563.0	522.8	481.5	437.6	393.1	347.9	300.0	253.1	207.6
42.5°	665.7	631.4	593.1	550.7	507.6	462.7	416.0	368.8	319.6	269.6	221.0
40°	695.2	657.6	620.8	577.6	532.5	486.6	437.9	388.6	338.2	285.6	234.8
37.5°	723.7	683.6	644.2	603.3	556.2	508.5	458.8	407.5	355.8	301.3	247.9
35°	754.1	709.1	666.5	625.7	578.8	529.2	478.7	425.5	371.9	316.2	260.2
32.5°	783.2	734.2	688.9	645.3	600.2	548.8	496.9	442.4	387.0	330.3	271.9
30°	809.6	759.8	710.1	663.7	619.4	567.2	513.6	458.3	401.2	343.4	282.9
27.5°	834.1	783.9	730.5	681.8	635.2	584.3	529.2	473.0	414.4	355.4	293.5
25°	858.3	805.3	751.1	698.7	649.8	600.2	543.6	486.6	426.5	366.2	303.3
22.5°	884.0	824.8	770.1	714.3	663.3	614.7	556.8	498.5	437.6	375.9	312.2
20°	907.4	842.4	787.3	728.7	675.9	625.7	568.6	509.2	447.7	384.8	320.3
17.5°	928.9	859.9	801.9	742.8	687.4	635.6	579.2	518.7	456.6	392.6	327.4
15°	949.8	876.9	814.7	755.2	697.4	644.2	588.5	527.0	464.3	399.5	333.7
12.5°	967.8	891.4	825.6	765.7	706.0	651.5	596.3	534.1	470.9	405.3	339.0
10°	982.6	903.4	834.6	774.4	713.1	657.6	602.8	539.9	476.4	410.1	343.3
7.5°	994.3	912.8	841.6	781.2	718.6	662.3	607.9	544.4	480.6	413.8	346.7
5°	1002.7	919.6	846.6	786.1	722.6	665.7	611.5	547.7	483.7	416.5	349.2
2.5°	1007.7	923.6	849.7	789.0	725.0	667.7	613.7	549.6	485.5	418.1	350.6
0°	1009.4	925.0	850.7	790.0	725.8	668.4	614.4	550.3	486.1	418.6	351.1
-2.5°	1007.7	923.6	849.7	789.0	725.0	667.7	613.7	549.6	485.5	418.1	350.6
-5°	1002.7	919.6	846.6	786.1	722.6	665.7	611.5	547.7	483.7	416.5	349.2
-7.5°	994.3	912.8	841.6	781.2	718.6	662.3	607.9	544.4	480.6	413.8	346.7
-10°	982.6	903.4	834.6	774.4	713.1	657.6	602.8	539.9	476.4	410.1	343.3
-12.5°	967.8	891.4	825.6	765.7	706.0	651.5	596.3	534.1	470.9	405.3	339.0
-15°	949.8	876.9	814.7	755.2	697.4	644.2	588.5	527.0	464.3	399.5	333.7
-17.5°	928.9	859.9	801.9	742.8	687.4	635.6	579.2	518.7	456.6	392.6	327.4
-20°	907.4	842.4	787.3	728.7	675.9	625.7	568.6	509.2	447.7	384.8	320.3

Classified

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

Scaled Data Report



REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	884.0	824.8	770.1	714.3	663.3	614.7	556.8	498.5	437.6	375.9	312.2
-25°	858.3	805.3	751.1	698.7	649.8	600.2	543.6	486.6	426.5	366.2	303.3
-27.5°	834.1	783.9	730.5	681.8	635.2	584.3	529.2	473.0	414.4	355.4	293.5
-30°	809.6	759.8	710.1	663.7	619.4	567.2	513.6	458.3	401.2	343.4	282.9
-32.5°	783.2	734.2	688.9	645.3	600.2	548.8	496.9	442.4	387.0	330.3	271.9
-35°	754.1	709.1	666.5	625.7	578.8	529.2	478.7	425.5	371.9	316.2	260.2
-37.5°	723.7	683.6	644.2	603.3	556.2	508.5	458.8	407.5	355.8	301.3	247.9
-40°	695.2	657.6	620.8	577.6	532.5	486.6	437.9	388.6	338.2	285.6	234.8
-42.5°	665.7	631.4	593.1	550.7	507.6	462.7	416.0	368.8	319.6	269.6	221.0
-45°	636.8	602.5	563.0	522.8	481.5	437.6	393.1	347.9	300.0	253.1	207.6
-47.5°	605.6	569.2	531.9	493.8	453.3	411.7	369.4	325.3	279.7	235.9	194.8
-50°	569.2	535.0	499.9	462.7	424.1	384.8	344.5	301.8	259.7	218.1	181.6
-52.5°	531.9	499.9	465.9	430.4	394.1	357.1	317.8	277.7	238.9	201.6	167.9
-55°	493.8	462.7	430.4	397.2	363.2	327.4	290.4	254.0	217.5	185.5	153.8
-57.5°	453.3	424.1	394.1	363.2	330.7	296.8	263.1	229.6	198.1	168.8	140.1
-60°	411.7	384.8	357.1	327.4	296.8	266.1	235.6	205.8	179.0	152.0	126.1
-62.5°	369.4	344.5	317.8	290.4	263.1	235.6	208.4	184.1	159.4	135.6	111.7
-65°	325.3	301.8	277.7	254.0	229.6	205.8	184.1	161.9	140.3	118.8	98.1
-67.5°	279.7	259.7	238.9	217.5	198.1	179.0	159.4	140.3	121.2	101.7	86.8
-70°	235.9	218.1	201.6	185.5	168.8	152.0	135.6	118.8	101.7	88.6	75.4
-72.5°	194.8	181.6	167.9	153.8	140.1	126.1	111.7	98.1	86.8	75.4	63.8
-75°	156.9	146.2	135.1	123.7	112.0	100.3	91.0	81.5	71.9	62.1	53.5
-77.5°	120.9	112.0	102.8	95.3	88.0	80.4	72.7	64.8	57.4	50.6	43.7
-80°	88.9	83.6	78.1	72.4	66.5	60.5	55.4	50.1	44.7	39.2	33.7
-82.5°	61.8	58.3	54.8	51.2	47.6	43.8	39.9	36.0	31.9	27.8	24.3
-85°	38.8	36.6	34.3	31.9	29.5	27.0	24.9	22.8	20.6	18.4	16.2
-87.5°	18.2	17.4	16.4	15.5	14.5	13.5	12.5	11.4	10.3	9.2	8.1
-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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Scaled Data Report



REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

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°	7.0	5.8	4.7	3.5	2.4	1.2	0.0
85°	14.0	11.7	9.4	7.0	4.7	2.4	0.0
82.5°	20.9	17.5	14.0	10.5	7.0	3.5	0.0
80°	28.0	23.3	18.7	14.0	9.4	4.7	0.0
77.5°	36.6	29.5	23.3	17.5	11.7	5.8	0.0
75°	45.1	36.6	28.0	20.9	14.0	7.0	0.0
72.5°	53.5	43.7	33.7	24.3	16.2	8.1	0.0
70°	62.1	50.6	39.2	27.8	18.4	9.2	0.0
67.5°	71.9	57.4	44.7	31.9	20.6	10.3	0.0
65°	81.5	64.8	50.1	36.0	22.8	11.4	0.0
62.5°	91.0	72.7	55.4	39.9	24.9	12.5	0.0
60°	100.3	80.4	60.5	43.8	27.0	13.5	0.0
57.5°	112.0	88.0	66.5	47.6	29.5	14.5	0.0
55°	123.7	95.3	72.4	51.2	31.9	15.5	0.0
52.5°	135.1	102.8	78.1	54.8	34.3	16.4	0.0
50°	146.2	112.0	83.6	58.3	36.6	17.4	0.0
47.5°	156.9	120.9	88.9	61.8	38.8	18.2	0.0
45°	167.8	129.5	94.1	65.6	41.0	19.1	0.0
42.5°	178.3	137.6	99.0	69.3	43.0	19.9	0.0
40°	188.3	145.4	104.4	72.8	45.0	20.7	0.0
37.5°	197.8	152.9	110.3	76.1	46.8	21.4	0.0
35°	206.7	160.2	115.9	79.2	48.6	22.1	0.0
32.5°	215.6	167.2	121.2	82.2	50.2	22.8	0.0
30°	224.9	173.7	126.1	84.9	51.7	23.4	0.0
27.5°	233.5	179.8	130.7	87.5	53.1	23.9	0.0
25°	241.5	185.4	134.9	89.9	54.5	24.5	0.0
22.5°	248.7	190.5	138.7	92.0	55.6	24.9	0.0
20°	255.3	195.1	142.2	93.9	56.7	25.4	0.0
17.5°	261.0	199.2	145.2	95.6	57.7	25.7	0.0
15°	266.1	202.8	147.9	97.1	58.5	26.1	0.0
12.5°	270.4	205.8	150.1	98.4	59.2	26.4	0.0
10°	273.9	208.3	152.0	99.4	59.8	26.6	0.0
7.5°	276.7	210.2	153.4	100.3	60.2	26.8	0.0
5°	278.6	211.6	154.5	100.8	60.5	26.9	0.0
2.5°	279.8	212.4	155.1	101.2	60.7	27.0	0.0
0°	280.2	212.7	155.3	101.3	60.8	27.0	0.0
-2.5°	279.8	212.4	155.1	101.2	60.7	27.0	0.0
-5°	278.6	211.6	154.5	100.8	60.5	26.9	0.0
-7.5°	276.7	210.2	153.4	100.3	60.2	26.8	0.0
-10°	273.9	208.3	152.0	99.4	59.8	26.6	0.0
-12.5°	270.4	205.8	150.1	98.4	59.2	26.4	0.0
-15°	266.1	202.8	147.9	97.1	58.5	26.1	0.0
-17.5°	261.0	199.2	145.2	95.6	57.7	25.7	0.0
-20°	255.3	195.1	142.2	93.9	56.7	25.4	0.0

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REPORT NUMBER: P624750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-4000K-33

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	248.7	190.5	138.7	92.0	55.6	24.9	0.0
-25°	241.5	185.4	134.9	89.9	54.5	24.5	0.0
-27.5°	233.5	179.8	130.7	87.5	53.1	23.9	0.0
-30°	224.9	173.7	126.1	84.9	51.7	23.4	0.0
-32.5°	215.6	167.2	121.2	82.2	50.2	22.8	0.0
-35°	206.7	160.2	115.9	79.2	48.6	22.1	0.0
-37.5°	197.8	152.9	110.3	76.1	46.8	21.4	0.0
-40°	188.3	145.4	104.4	72.8	45.0	20.7	0.0
-42.5°	178.3	137.6	99.0	69.3	43.0	19.9	0.0
-45°	167.8	129.5	94.1	65.6	41.0	19.1	0.0
-47.5°	156.9	120.9	88.9	61.8	38.8	18.2	0.0
-50°	146.2	112.0	83.6	58.3	36.6	17.4	0.0
-52.5°	135.1	102.8	78.1	54.8	34.3	16.4	0.0
-55°	123.7	95.3	72.4	51.2	31.9	15.5	0.0
-57.5°	112.0	88.0	66.5	47.6	29.5	14.5	0.0
-60°	100.3	80.4	60.5	43.8	27.0	13.5	0.0
-62.5°	91.0	72.7	55.4	39.9	24.9	12.5	0.0
-65°	81.5	64.8	50.1	36.0	22.8	11.4	0.0
-67.5°	71.9	57.4	44.7	31.9	20.6	10.3	0.0
-70°	62.1	50.6	39.2	27.8	18.4	9.2	0.0
-72.5°	53.5	43.7	33.7	24.3	16.2	8.1	0.0
-75°	45.1	36.6	28.0	20.9	14.0	7.0	0.0
-77.5°	36.6	29.5	23.3	17.5	11.7	5.8	0.0
-80°	28.0	23.3	18.7	14.0	9.4	4.7	0.0
-82.5°	20.9	17.5	14.0	10.5	7.0	3.5	0.0
-85°	14.0	11.7	9.4	7.0	4.7	2.4	0.0
-87.5°	7.0	5.8	4.7	3.5	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)