

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: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-04-E-PRO-3000K-55**

Issue Date: 11/8/2022

Test Information

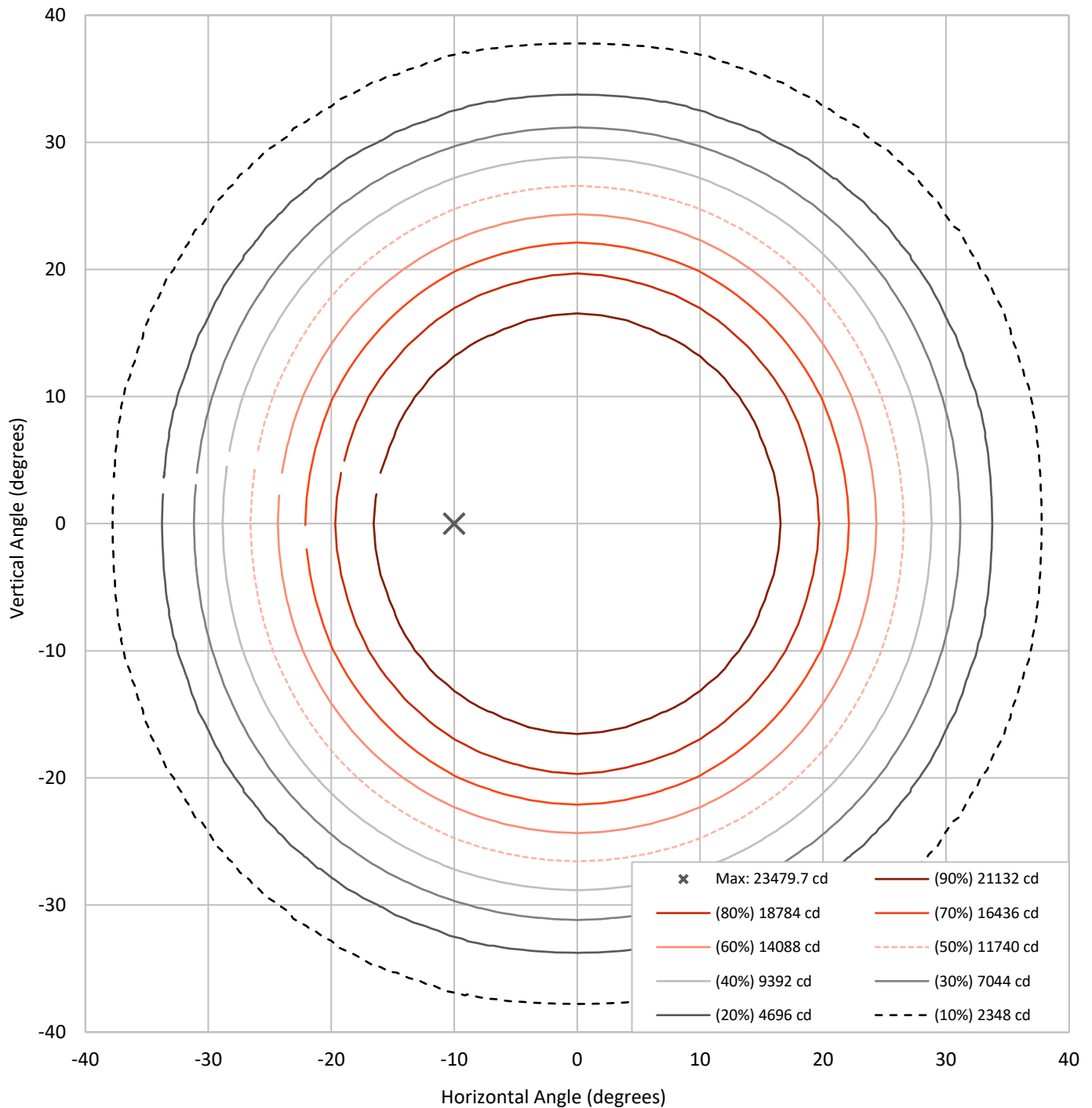
Test Method: LM-79-08
 Report Number: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-5)
 Test Lab: INNOVATION CENTER
 Issue Date: 11/8/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: EPHESUS
 Catalog Number: EPH-VN-04-E-PRO-3000K-55
 Description: EPHESUS LUMAVISION CCT TUNING FLOOD
 3000K AND TYPE 55 OPTICS
 Light Source: -
 Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	19208.2 lumens	Max Intensity:	23479.7 candela
Efficiency:	N/A	Max Intensity Angle:	-10°H x 0°V
Efficacy:	117.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	53.1°H x 49.5°V	Field Angle (10%):	75.3°H x 73.6°V
Beam Lumens:	12731.7 lumens	Field Lumens:	16555.1 lumens
Beam Efficiency:	66.3%	Field Efficiency:	86.2%
Input Watts (W):	163.5		
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: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

Iso-Candela Plot





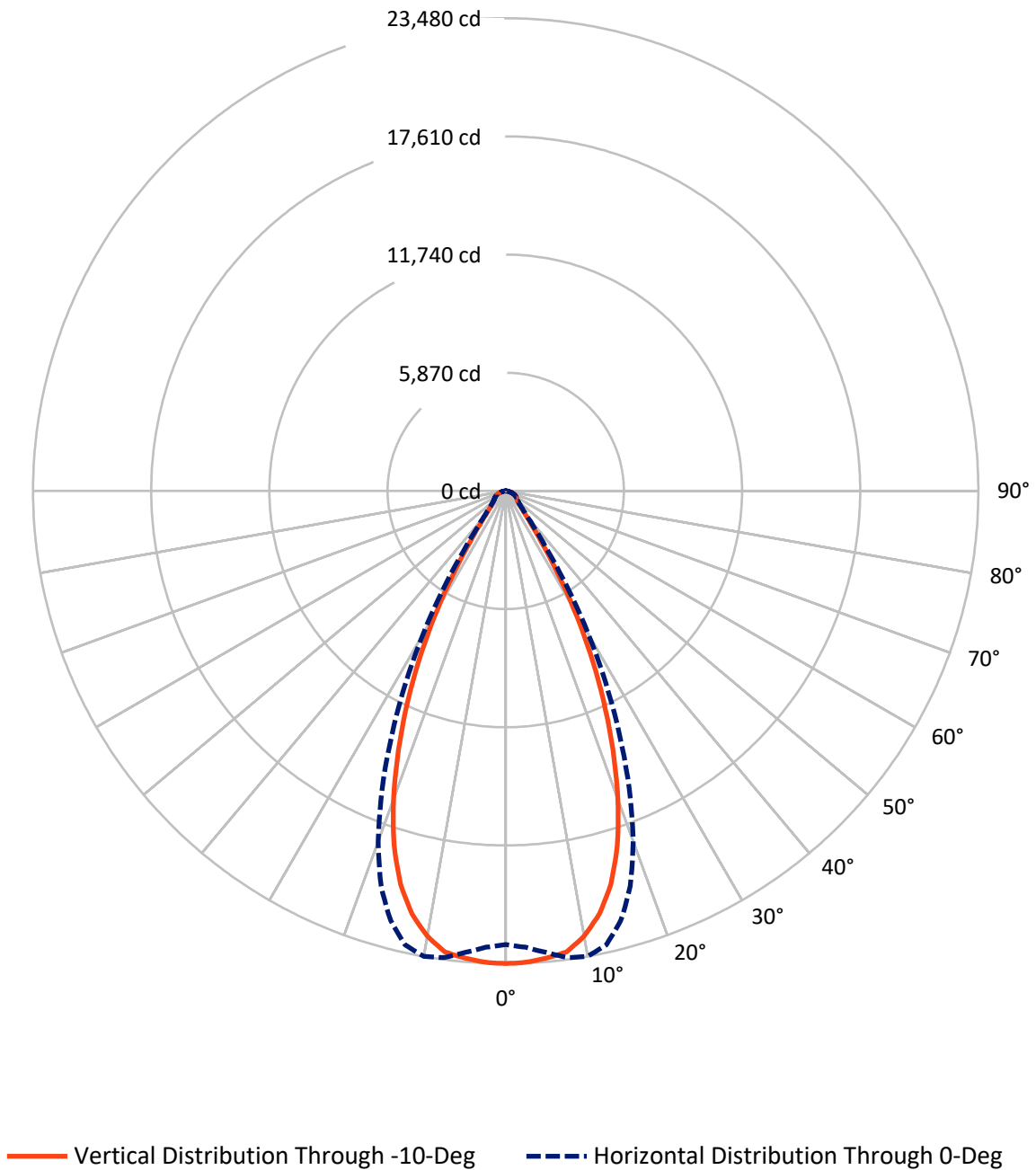
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Lumen Table

90																			
80	0.6	4.2		11.0		17.7		20.5		17.7		11.0		4.2		0.6			
70																			
60	1.9	2.1	4.3	7.2	10.1	12.6	14.4	15.4	15.4	14.4	12.6	10.1	7.2	4.3	2.1	1.9			
50		3.2	6.6	10.5	14.2	17.2	19.5	20.8	20.8	19.5	17.2	14.2	10.5	6.6	3.2				
40	3.4	4.3	8.6	13.0	17.4	22.5	28.5	33.1	33.1	28.5	22.5	17.4	13.0	8.6	4.3	3.4			
30		5.3	9.9	15.0	22.8	40.6	79.3	119.3	119.3	79.3	40.6	22.8	15.0	9.9	5.3				
20	4.5	5.9	10.9	17.6	36.8	117.4	272.0	386.0	386.0	272.0	117.4	36.8	17.6	10.9	5.9	4.5			
10		6.4	11.6	21.0	68.0	256.2	501.2	639.0	639.0	501.2	256.2	68.0	21.0	11.6	6.4				
0	4.9	6.6	12.1	23.7	99.5	352.9	620.1	703.3	703.3	620.1	352.9	99.5	23.7	12.1	6.6	4.9			
-10		6.6	12.1	23.7	99.5	352.9	620.1	703.3	703.3	620.1	352.9	99.5	23.7	12.1	6.6				
-20	4.5	6.4	11.6	21.0	68.0	256.2	501.2	639.0	639.0	501.2	256.2	68.0	21.0	11.6	6.4	4.5			
-30		5.9	10.9	17.6	36.8	117.4	272.0	386.0	386.0	272.0	117.4	36.8	17.6	10.9	5.9				
-40	3.4	5.3	9.9	15.0	22.8	40.6	79.3	119.3	119.3	79.3	40.6	22.8	15.0	9.9	5.3	3.4			
-50		4.3	8.6	13.0	17.4	22.5	28.5	33.1	33.1	28.5	22.5	17.4	13.0	8.6	4.3				
-60	1.9	3.2	6.6	10.5	14.2	17.2	19.5	20.8	20.8	19.5	17.2	14.2	10.5	6.6	3.2	1.9			
-70		2.1	4.3	7.2	10.1	12.6	14.4	15.4	15.4	14.4	12.6	10.1	7.2	4.3	2.1				
-80																			
-90	0.6	4.2		11.0		17.7		20.5		17.7		11.0		4.2		0.6			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

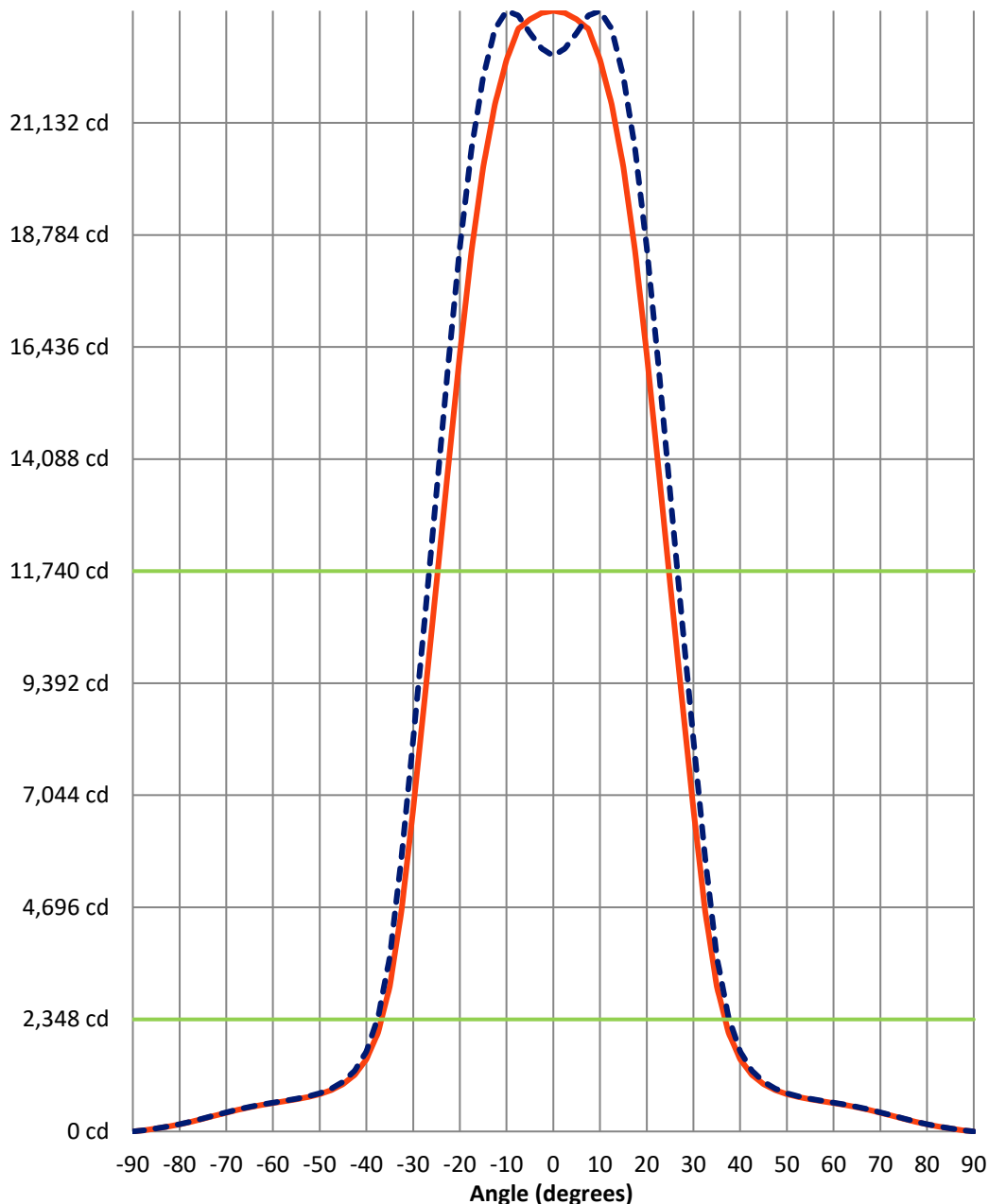
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.1°
 V Angle: 49.5°
 Lumens: 12731.7
 Efficiency: 66.3%

Field:
 H Angle: 75.3°
 V Angle: 73.6°
 Lumens: 16555.1
 Efficiency: 86.2%

Spill:
 Lumens: 2653.1
 Efficiency: 13.8%

— Vertical Distribution through -10-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	1.1	2.3	3.4	4.5	5.6	6.7	7.8	8.9	9.9	10.9
85°	0.0	2.3	4.5	6.8	9.0	11.2	13.4	15.6	17.7	19.8	21.9
82.5°	0.0	3.4	6.8	10.1	13.5	16.8	20.1	23.3	26.8	31.4	36.0
80°	0.0	4.5	9.0	13.5	17.9	22.3	27.1	33.4	39.7	45.8	51.9
77.5°	0.0	5.6	11.2	16.8	22.3	28.7	36.7	44.6	52.4	60.1	67.9
75°	0.0	6.7	13.4	20.1	27.1	36.7	46.3	55.7	65.2	74.8	84.3
72.5°	0.0	7.8	15.6	23.3	33.4	44.6	55.7	66.9	78.3	89.6	100.6
70°	0.0	8.9	17.7	26.8	39.7	52.4	65.2	78.3	91.3	104.2	119.3
67.5°	0.0	9.9	19.8	31.4	45.8	60.1	74.8	89.6	104.2	121.4	138.4
65°	0.0	10.9	21.9	36.0	51.9	67.9	84.3	100.6	119.3	138.4	158.2
62.5°	0.0	12.0	23.9	40.4	57.8	75.6	93.6	113.0	134.2	155.7	179.7
60°	0.0	12.9	25.9	44.8	63.6	83.3	102.8	125.8	148.8	174.8	200.9
57.5°	0.0	13.9	28.7	49.0	69.5	90.7	113.3	138.2	164.9	193.4	223.5
55°	0.0	14.9	31.5	53.2	75.3	97.9	123.7	150.4	181.1	212.2	246.6
52.5°	0.0	15.8	34.1	57.2	80.9	105.2	133.8	164.0	196.8	232.4	269.1
50°	0.0	16.6	36.7	61.1	86.4	113.3	143.6	177.3	212.7	252.0	291.5
47.5°	0.0	17.5	39.2	64.8	91.6	121.2	153.3	190.2	229.5	271.0	313.3
45°	0.0	18.3	41.6	68.6	96.7	128.8	163.9	202.6	245.8	289.8	334.3
42.5°	0.0	19.1	43.9	72.2	101.5	136.0	174.1	215.5	261.3	308.0	353.5
40°	0.0	19.8	46.1	75.7	106.6	143.0	183.8	228.5	276.4	325.4	371.7
37.5°	0.0	20.5	48.2	79.0	111.8	149.5	193.0	240.8	291.0	341.6	389.0
35°	0.0	21.2	50.1	82.1	116.8	156.4	201.8	252.5	304.9	356.3	405.7
32.5°	0.0	21.8	52.0	85.0	121.5	163.3	210.4	263.5	317.9	370.2	421.7
30°	0.0	22.4	53.7	87.7	125.8	169.7	219.1	273.9	330.2	383.2	436.7
27.5°	0.0	23.0	55.3	90.2	129.9	175.6	227.3	283.8	341.3	395.3	450.7
25°	0.0	23.5	56.8	92.5	133.6	181.0	234.8	292.9	351.1	406.7	463.4
22.5°	0.0	23.9	58.1	94.6	137.0	186.0	241.7	301.2	360.1	417.2	473.0
20°	0.0	24.3	59.3	96.5	140.0	190.5	247.8	308.7	368.2	426.7	481.7
17.5°	0.0	24.7	60.4	98.2	142.7	194.5	253.3	315.3	375.4	435.1	489.4
15°	0.0	25.0	61.3	99.7	145.1	197.9	258.1	321.1	381.6	442.4	496.1
12.5°	0.0	25.3	62.1	100.9	147.1	200.9	262.1	326.0	387.0	448.7	501.8
10°	0.0	25.5	62.7	102.0	148.8	203.3	265.5	330.1	391.4	453.8	506.5
7.5°	0.0	25.7	63.2	102.8	150.0	205.2	268.0	333.2	394.8	457.8	510.2
5°	0.0	25.8	63.6	103.3	151.0	206.5	269.9	335.5	397.2	460.7	512.8
2.5°	0.0	25.9	63.8	103.7	151.5	207.3	271.0	336.8	398.7	462.4	514.4
0°	0.0	25.9	63.9	103.8	151.7	207.6	271.4	337.3	399.2	463.0	514.9
-2.5°	0.0	25.9	63.8	103.7	151.5	207.3	271.0	336.8	398.7	462.4	514.4
-5°	0.0	25.8	63.6	103.3	151.0	206.5	269.9	335.5	397.2	460.7	512.8
-7.5°	0.0	25.7	63.2	102.8	150.0	205.2	268.0	333.2	394.8	457.8	510.2
-10°	0.0	25.5	62.7	102.0	148.8	203.3	265.5	330.1	391.4	453.8	506.5
-12.5°	0.0	25.3	62.1	100.9	147.1	200.9	262.1	326.0	387.0	448.7	501.8
-15°	0.0	25.0	61.3	99.7	145.1	197.9	258.1	321.1	381.6	442.4	496.1
-17.5°	0.0	24.7	60.4	98.2	142.7	194.5	253.3	315.3	375.4	435.1	489.4
-20°	0.0	24.3	59.3	96.5	140.0	190.5	247.8	308.7	368.2	426.7	481.7

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CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	23.9	58.1	94.6	137.0	186.0	241.7	301.2	360.1	417.2	473.0
-25°	0.0	23.5	56.8	92.5	133.6	181.0	234.8	292.9	351.1	406.7	463.4
-27.5°	0.0	23.0	55.3	90.2	129.9	175.6	227.3	283.8	341.3	395.3	450.7
-30°	0.0	22.4	53.7	87.7	125.8	169.7	219.1	273.9	330.2	383.2	436.7
-32.5°	0.0	21.8	52.0	85.0	121.5	163.3	210.4	263.5	317.9	370.2	421.7
-35°	0.0	21.2	50.1	82.1	116.8	156.4	201.8	252.5	304.9	356.3	405.7
-37.5°	0.0	20.5	48.2	79.0	111.8	149.5	193.0	240.8	291.0	341.6	389.0
-40°	0.0	19.8	46.1	75.7	106.6	143.0	183.8	228.5	276.4	325.4	371.7
-42.5°	0.0	19.1	43.9	72.2	101.5	136.0	174.1	215.5	261.3	308.0	353.5
-45°	0.0	18.3	41.6	68.6	96.7	128.8	163.9	202.6	245.8	289.8	334.3
-47.5°	0.0	17.5	39.2	64.8	91.6	121.2	153.3	190.2	229.5	271.0	313.3
-50°	0.0	16.6	36.7	61.1	86.4	113.3	143.6	177.3	212.7	252.0	291.5
-52.5°	0.0	15.8	34.1	57.2	80.9	105.2	133.8	164.0	196.8	232.4	269.1
-55°	0.0	14.9	31.5	53.2	75.3	97.9	123.7	150.4	181.1	212.2	246.6
-57.5°	0.0	13.9	28.7	49.0	69.5	90.7	113.3	138.2	164.9	193.4	223.5
-60°	0.0	12.9	25.9	44.8	63.6	83.3	102.8	125.8	148.8	174.8	200.9
-62.5°	0.0	12.0	23.9	40.4	57.8	75.6	93.6	113.0	134.2	155.7	179.7
-65°	0.0	10.9	21.9	36.0	51.9	67.9	84.3	100.6	119.3	138.4	158.2
-67.5°	0.0	9.9	19.8	31.4	45.8	60.1	74.8	89.6	104.2	121.4	138.4
-70°	0.0	8.9	17.7	26.8	39.7	52.4	65.2	78.3	91.3	104.2	119.3
-72.5°	0.0	7.8	15.6	23.3	33.4	44.6	55.7	66.9	78.3	89.6	100.6
-75°	0.0	6.7	13.4	20.1	27.1	36.7	46.3	55.7	65.2	74.8	84.3
-77.5°	0.0	5.6	11.2	16.8	22.3	28.7	36.7	44.6	52.4	60.1	67.9
-80°	0.0	4.5	9.0	13.5	17.9	22.3	27.1	33.4	39.7	45.8	51.9
-82.5°	0.0	3.4	6.8	10.1	13.5	16.8	20.1	23.3	26.8	31.4	36.0
-85°	0.0	2.3	4.5	6.8	9.0	11.2	13.4	15.6	17.7	19.8	21.9
-87.5°	0.0	1.1	2.3	3.4	4.5	5.6	6.7	7.8	8.9	9.9	10.9
-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-04-E-PRO-3000K-55

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°	12.0	12.9	13.9	14.9	15.8	16.6	17.5	18.3	19.1	19.8	20.5
85°	23.9	25.9	28.7	31.5	34.1	36.7	39.2	41.6	43.9	46.1	48.2
82.5°	40.4	44.8	49.0	53.2	57.2	61.1	64.8	68.6	72.2	75.7	79.0
80°	57.8	63.6	69.5	75.3	80.9	86.4	91.6	96.7	101.5	106.6	111.8
77.5°	75.6	83.3	90.7	97.9	105.2	113.3	121.2	128.8	136.0	143.0	149.5
75°	93.6	102.8	113.3	123.7	133.8	143.6	153.3	163.9	174.1	183.8	193.0
72.5°	113.0	125.8	138.2	150.4	164.0	177.3	190.2	202.6	215.5	228.5	240.8
70°	134.2	148.8	164.9	181.1	196.8	212.7	229.5	245.8	261.3	276.4	291.0
67.5°	155.7	174.8	193.4	212.2	232.4	252.0	271.0	289.8	308.0	325.4	341.6
65°	179.7	200.9	223.5	246.6	269.1	291.5	313.3	334.3	353.5	371.7	389.0
62.5°	203.4	229.3	255.2	280.8	306.3	331.1	354.1	375.8	396.8	417.4	437.2
60°	229.3	258.1	286.8	315.3	342.8	368.2	392.8	417.2	440.8	463.4	481.1
57.5°	255.2	286.8	318.3	348.4	376.7	404.4	432.0	458.6	480.4	500.5	519.3
55°	280.8	315.3	348.4	379.6	410.3	440.9	469.2	492.6	515.2	535.3	554.5
52.5°	306.3	342.8	376.7	410.3	443.9	474.1	500.1	524.4	546.9	567.5	584.9
50°	331.1	368.2	404.4	440.9	474.1	502.5	529.0	553.9	575.4	594.8	613.3
47.5°	354.1	392.8	432.0	469.2	500.1	529.0	556.2	579.4	600.8	621.4	641.3
45°	375.8	417.2	458.6	492.6	524.4	553.9	579.4	602.8	625.5	647.7	669.9
42.5°	396.8	440.8	480.4	515.2	546.9	575.4	600.8	625.5	649.9	674.3	700.5
40°	417.4	463.4	500.5	535.3	567.5	594.8	621.4	647.7	674.3	703.2	733.0
37.5°	437.2	481.1	519.3	554.5	584.9	613.3	641.3	669.9	700.5	733.0	774.2
35°	456.0	497.8	536.2	571.2	601.4	631.1	661.2	692.5	727.6	770.5	821.2
32.5°	471.7	513.7	552.2	585.7	617.0	648.2	680.2	716.7	759.5	810.0	878.6
30°	485.2	527.5	566.5	599.3	631.8	664.9	700.7	741.4	792.0	861.5	949.8
27.5°	497.8	540.3	578.2	612.1	645.8	680.6	720.9	769.9	833.3	915.7	1026.1
25°	509.5	552.2	589.1	623.9	659.2	697.2	741.2	796.6	875.8	982.7	1132.9
22.5°	519.7	563.0	599.0	634.7	671.6	713.2	764.0	831.3	923.1	1046.6	1241.3
20°	528.6	571.2	608.0	644.6	682.8	727.7	784.8	864.6	976.0	1139.2	1388.7
17.5°	536.5	578.5	616.0	653.8	694.4	742.7	804.9	894.5	1023.5	1222.7	1544.4
15°	543.4	584.9	623.0	661.9	704.9	757.7	829.2	931.5	1080.2	1311.9	1685.6
12.5°	549.3	590.3	629.0	668.8	713.8	770.6	850.0	964.7	1138.9	1421.7	1897.5
10°	554.1	594.8	633.9	674.4	721.2	781.2	867.2	992.2	1187.5	1513.0	2074.0
7.5°	557.9	598.3	637.7	678.9	727.0	789.6	880.7	1013.8	1225.7	1584.9	2213.3
5°	560.6	600.8	640.5	682.0	731.2	795.6	890.4	1029.4	1253.2	1636.7	2313.9
2.5°	562.3	602.3	642.1	684.0	733.7	799.2	896.2	1038.8	1269.8	1668.0	2374.7
0°	562.8	602.8	642.7	684.6	734.5	800.4	898.2	1041.9	1275.4	1678.5	2395.1
-2.5°	562.3	602.3	642.1	684.0	733.7	799.2	896.2	1038.8	1269.8	1668.0	2374.7
-5°	560.6	600.8	640.5	682.0	731.2	795.6	890.4	1029.4	1253.2	1636.7	2313.9
-7.5°	557.9	598.3	637.7	678.9	727.0	789.6	880.7	1013.8	1225.7	1584.9	2213.3
-10°	554.1	594.8	633.9	674.4	721.2	781.2	867.2	992.2	1187.5	1513.0	2074.0
-12.5°	549.3	590.3	629.0	668.8	713.8	770.6	850.0	964.7	1138.9	1421.7	1897.5
-15°	543.4	584.9	623.0	661.9	704.9	757.7	829.2	931.5	1080.2	1311.9	1685.6
-17.5°	536.5	578.5	616.0	653.8	694.4	742.7	804.9	894.5	1023.5	1222.7	1544.4
-20°	528.6	571.2	608.0	644.6	682.8	727.7	784.8	864.6	976.0	1139.2	1388.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	519.7	563.0	599.0	634.7	671.6	713.2	764.0	831.3	923.1	1046.6	1241.3
-25°	509.5	552.2	589.1	623.9	659.2	697.2	741.2	796.6	875.8	982.7	1132.9
-27.5°	497.8	540.3	578.2	612.1	645.8	680.6	720.9	769.9	833.3	915.7	1026.1
-30°	485.2	527.5	566.5	599.3	631.8	664.9	700.7	741.4	792.0	861.5	949.8
-32.5°	471.7	513.7	552.2	585.7	617.0	648.2	680.2	716.7	759.5	810.0	878.6
-35°	456.0	497.8	536.2	571.2	601.4	631.1	661.2	692.5	727.6	770.5	821.2
-37.5°	437.2	481.1	519.3	554.5	584.9	613.3	641.3	669.9	700.5	733.0	774.2
-40°	417.4	463.4	500.5	535.3	567.5	594.8	621.4	647.7	674.3	703.2	733.0
-42.5°	396.8	440.8	480.4	515.2	546.9	575.4	600.8	625.5	649.9	674.3	700.5
-45°	375.8	417.2	458.6	492.6	524.4	553.9	579.4	602.8	625.5	647.7	669.9
-47.5°	354.1	392.8	432.0	469.2	500.1	529.0	556.2	579.4	600.8	621.4	641.3
-50°	331.1	368.2	404.4	440.9	474.1	502.5	529.0	553.9	575.4	594.8	613.3
-52.5°	306.3	342.8	376.7	410.3	443.9	474.1	500.1	524.4	546.9	567.5	584.9
-55°	280.8	315.3	348.4	379.6	410.3	440.9	469.2	492.6	515.2	535.3	554.5
-57.5°	255.2	286.8	318.3	348.4	376.7	404.4	432.0	458.6	480.4	500.5	519.3
-60°	229.3	258.1	286.8	315.3	342.8	368.2	392.8	417.2	440.8	463.4	481.1
-62.5°	203.4	229.3	255.2	280.8	306.3	331.1	354.1	375.8	396.8	417.4	437.2
-65°	179.7	200.9	223.5	246.6	269.1	291.5	313.3	334.3	353.5	371.7	389.0
-67.5°	155.7	174.8	193.4	212.2	232.4	252.0	271.0	289.8	308.0	325.4	341.6
-70°	134.2	148.8	164.9	181.1	196.8	212.7	229.5	245.8	261.3	276.4	291.0
-72.5°	113.0	125.8	138.2	150.4	164.0	177.3	190.2	202.6	215.5	228.5	240.8
-75°	93.6	102.8	113.3	123.7	133.8	143.6	153.3	163.9	174.1	183.8	193.0
-77.5°	75.6	83.3	90.7	97.9	105.2	113.3	121.2	128.8	136.0	143.0	149.5
-80°	57.8	63.6	69.5	75.3	80.9	86.4	91.6	96.7	101.5	106.6	111.8
-82.5°	40.4	44.8	49.0	53.2	57.2	61.1	64.8	68.6	72.2	75.7	79.0
-85°	23.9	25.9	28.7	31.5	34.1	36.7	39.2	41.6	43.9	46.1	48.2
-87.5°	12.0	12.9	13.9	14.9	15.8	16.6	17.5	18.3	19.1	19.8	20.5
-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: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

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°	21.2	21.8	22.4	23.0	23.5	23.9	24.3	24.7	25.0	25.3	25.5
85°	50.1	52.0	53.7	55.3	56.8	58.1	59.3	60.4	61.3	62.1	62.7
82.5°	82.1	85.0	87.7	90.2	92.5	94.6	96.5	98.2	99.7	100.9	102.0
80°	116.8	121.5	125.8	129.9	133.6	137.0	140.0	142.7	145.1	147.1	148.8
77.5°	156.4	163.3	169.7	175.6	181.0	186.0	190.5	194.5	197.9	200.9	203.3
75°	201.8	210.4	219.1	227.3	234.8	241.7	247.8	253.3	258.1	262.1	265.5
72.5°	252.5	263.5	273.9	283.8	292.9	301.2	308.7	315.3	321.1	326.0	330.1
70°	304.9	317.9	330.2	341.3	351.1	360.1	368.2	375.4	381.6	387.0	391.4
67.5°	356.3	370.2	383.2	395.3	406.7	417.2	426.7	435.1	442.4	448.7	453.8
65°	405.7	421.7	436.7	450.7	463.4	473.0	481.7	489.4	496.1	501.8	506.5
62.5°	456.0	471.7	485.2	497.8	509.5	519.7	528.6	536.5	543.4	549.3	554.1
60°	497.8	513.7	527.5	540.3	552.2	563.0	571.2	578.5	584.9	590.3	594.8
57.5°	536.2	552.2	566.5	578.2	589.1	599.0	608.0	616.0	623.0	629.0	633.9
55°	571.2	585.7	599.3	612.1	623.9	634.7	644.6	653.8	661.9	668.8	674.4
52.5°	601.4	617.0	631.8	645.8	659.2	671.6	682.8	694.4	704.9	713.8	721.2
50°	631.1	648.2	664.9	680.6	697.2	713.2	727.7	742.7	757.7	770.6	781.2
47.5°	661.2	680.2	700.7	720.9	741.2	764.0	784.8	804.9	829.2	850.0	867.2
45°	692.5	716.7	741.4	769.9	796.6	831.3	864.6	894.5	931.5	964.7	992.2
42.5°	727.6	759.5	792.0	833.3	875.8	923.1	976.0	1023.5	1080.2	1138.9	1187.5
40°	770.5	810.0	861.5	915.7	982.7	1046.6	1139.2	1222.7	1311.9	1421.7	1513.0
37.5°	821.2	878.6	949.8	1026.1	1132.9	1241.3	1388.7	1544.4	1685.6	1897.5	2074.0
35°	884.3	967.1	1059.3	1191.5	1345.8	1546.7	1773.5	2072.4	2338.2	2701.2	3040.7
32.5°	967.1	1073.8	1221.2	1424.7	1654.5	2018.6	2372.9	2925.6	3434.3	4014.7	4622.1
30°	1059.3	1221.2	1451.2	1733.0	2168.7	2719.0	3391.6	4228.6	5133.5	5958.5	6747.7
27.5°	1191.5	1424.7	1733.0	2219.2	2903.6	3688.6	4874.2	6007.2	7174.6	8198.5	9092.9
25°	1345.8	1654.5	2168.7	2903.6	3847.0	5203.3	6616.1	8015.4	9320.8	10478.4	11486.4
22.5°	1546.7	2018.6	2719.0	3688.6	5203.3	6821.9	8453.9	10016.9	11467.7	12779.9	13908.5
20°	1773.5	2372.9	3391.6	4874.2	6616.1	8453.9	10253.0	11981.5	13590.7	15047.3	16287.0
17.5°	2072.4	2925.6	4228.6	6007.2	8015.4	10016.9	11981.5	13869.1	15637.8	17152.0	18447.3
15°	2338.2	3434.3	5133.5	7174.6	9320.8	11467.7	13590.7	15637.8	17448.6	18991.7	20204.8
12.5°	2701.2	4014.7	5958.5	8198.5	10478.4	12779.9	15047.3	17152.0	18991.7	20499.4	21517.2
10°	3040.7	4622.1	6747.7	9092.9	11486.4	13908.5	16287.0	18447.3	20204.8	21517.2	22452.1
7.5°	3309.2	5103.9	7375.8	9807.8	12304.0	14826.7	17236.3	19355.1	21050.7	22275.9	23098.0
5°	3503.5	5453.4	7832.6	10329.5	12903.3	15503.7	17941.5	20027.4	21616.5	22715.3	23299.6
2.5°	3621.1	5665.2	8110.0	10647.2	13269.3	15919.0	18376.7	20445.6	21972.7	22997.1	23432.8
0°	3660.5	5736.2	8203.1	10753.9	13392.5	16059.0	18523.9	20587.7	22094.6	23094.5	23479.7
-2.5°	3621.1	5665.2	8110.0	10647.2	13269.3	15919.0	18376.7	20445.6	21972.7	22997.1	23432.8
-5°	3503.5	5453.4	7832.6	10329.5	12903.3	15503.7	17941.5	20027.4	21616.5	22715.3	23299.6
-7.5°	3309.2	5103.9	7375.8	9807.8	12304.0	14826.7	17236.3	19355.1	21050.7	22275.9	23098.0
-10°	3040.7	4622.1	6747.7	9092.9	11486.4	13908.5	16287.0	18447.3	20204.8	21517.2	22452.1
-12.5°	2701.2	4014.7	5958.5	8198.5	10478.4	12779.9	15047.3	17152.0	18991.7	20499.4	21517.2
-15°	2338.2	3434.3	5133.5	7174.6	9320.8	11467.7	13590.7	15637.8	17448.6	18991.7	20204.8
-17.5°	2072.4	2925.6	4228.6	6007.2	8015.4	10016.9	11981.5	13869.1	15637.8	17152.0	18447.3
-20°	1773.5	2372.9	3391.6	4874.2	6616.1	8453.9	10253.0	11981.5	13590.7	15047.3	16287.0

Classified

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

Scaled Data Report



REPORT NUMBER: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1546.7	2018.6	2719.0	3688.6	5203.3	6821.9	8453.9	10016.9	11467.7	12779.9	13908.5
-25°	1345.8	1654.5	2168.7	2903.6	3847.0	5203.3	6616.1	8015.4	9320.8	10478.4	11486.4
-27.5°	1191.5	1424.7	1733.0	2219.2	2903.6	3688.6	4874.2	6007.2	7174.6	8198.5	9092.9
-30°	1059.3	1221.2	1451.2	1733.0	2168.7	2719.0	3391.6	4228.6	5133.5	5958.5	6747.7
-32.5°	967.1	1073.8	1221.2	1424.7	1654.5	2018.6	2372.9	2925.6	3434.3	4014.7	4622.1
-35°	884.3	967.1	1059.3	1191.5	1345.8	1546.7	1773.5	2072.4	2338.2	2701.2	3040.7
-37.5°	821.2	878.6	949.8	1026.1	1132.9	1241.3	1388.7	1544.4	1685.6	1897.5	2074.0
-40°	770.5	810.0	861.5	915.7	982.7	1046.6	1139.2	1222.7	1311.9	1421.7	1513.0
-42.5°	727.6	759.5	792.0	833.3	875.8	923.1	976.0	1023.5	1080.2	1138.9	1187.5
-45°	692.5	716.7	741.4	769.9	796.6	831.3	864.6	894.5	931.5	964.7	992.2
-47.5°	661.2	680.2	700.7	720.9	741.2	764.0	784.8	804.9	829.2	850.0	867.2
-50°	631.1	648.2	664.9	680.6	697.2	713.2	727.7	742.7	757.7	770.6	781.2
-52.5°	601.4	617.0	631.8	645.8	659.2	671.6	682.8	694.4	704.9	713.8	721.2
-55°	571.2	585.7	599.3	612.1	623.9	634.7	644.6	653.8	661.9	668.8	674.4
-57.5°	536.2	552.2	566.5	578.2	589.1	599.0	608.0	616.0	623.0	629.0	633.9
-60°	497.8	513.7	527.5	540.3	552.2	563.0	571.2	578.5	584.9	590.3	594.8
-62.5°	456.0	471.7	485.2	497.8	509.5	519.7	528.6	536.5	543.4	549.3	554.1
-65°	405.7	421.7	436.7	450.7	463.4	473.0	481.7	489.4	496.1	501.8	506.5
-67.5°	356.3	370.2	383.2	395.3	406.7	417.2	426.7	435.1	442.4	448.7	453.8
-70°	304.9	317.9	330.2	341.3	351.1	360.1	368.2	375.4	381.6	387.0	391.4
-72.5°	252.5	263.5	273.9	283.8	292.9	301.2	308.7	315.3	321.1	326.0	330.1
-75°	201.8	210.4	219.1	227.3	234.8	241.7	247.8	253.3	258.1	262.1	265.5
-77.5°	156.4	163.3	169.7	175.6	181.0	186.0	190.5	194.5	197.9	200.9	203.3
-80°	116.8	121.5	125.8	129.9	133.6	137.0	140.0	142.7	145.1	147.1	148.8
-82.5°	82.1	85.0	87.7	90.2	92.5	94.6	96.5	98.2	99.7	100.9	102.0
-85°	50.1	52.0	53.7	55.3	56.8	58.1	59.3	60.4	61.3	62.1	62.7
-87.5°	21.2	21.8	22.4	23.0	23.5	23.9	24.3	24.7	25.0	25.3	25.5
-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: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

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°	25.7	25.8	25.9	25.9	25.9	25.8	25.7	25.5	25.3	25.0	24.7
85°	63.2	63.6	63.8	63.9	63.8	63.6	63.2	62.7	62.1	61.3	60.4
82.5°	102.8	103.3	103.7	103.8	103.7	103.3	102.8	102.0	100.9	99.7	98.2
80°	150.0	151.0	151.5	151.7	151.5	151.0	150.0	148.8	147.1	145.1	142.7
77.5°	205.2	206.5	207.3	207.6	207.3	206.5	205.2	203.3	200.9	197.9	194.5
75°	268.0	269.9	271.0	271.4	271.0	269.9	268.0	265.5	262.1	258.1	253.3
72.5°	333.2	335.5	336.8	337.3	336.8	335.5	333.2	330.1	326.0	321.1	315.3
70°	394.8	397.2	398.7	399.2	398.7	397.2	394.8	391.4	387.0	381.6	375.4
67.5°	457.8	460.7	462.4	463.0	462.4	460.7	457.8	453.8	448.7	442.4	435.1
65°	510.2	512.8	514.4	514.9	514.4	512.8	510.2	506.5	501.8	496.1	489.4
62.5°	557.9	560.6	562.3	562.8	562.3	560.6	557.9	554.1	549.3	543.4	536.5
60°	598.3	600.8	602.3	602.8	602.3	600.8	598.3	594.8	590.3	584.9	578.5
57.5°	637.7	640.5	642.1	642.7	642.1	640.5	637.7	633.9	629.0	623.0	616.0
55°	678.9	682.0	684.0	684.6	684.0	682.0	678.9	674.4	668.8	661.9	653.8
52.5°	727.0	731.2	733.7	734.5	733.7	731.2	727.0	721.2	713.8	704.9	694.4
50°	789.6	795.6	799.2	800.4	799.2	795.6	789.6	781.2	770.6	757.7	742.7
47.5°	880.7	890.4	896.2	898.2	896.2	890.4	880.7	867.2	850.0	829.2	804.9
45°	1013.8	1029.4	1038.8	1041.9	1038.8	1029.4	1013.8	992.2	964.7	931.5	894.5
42.5°	1225.7	1253.2	1269.8	1275.4	1269.8	1253.2	1225.7	1187.5	1138.9	1080.2	1023.5
40°	1584.9	1636.7	1668.0	1678.5	1668.0	1636.7	1584.9	1513.0	1421.7	1311.9	1222.7
37.5°	2213.3	2313.9	2374.7	2395.1	2374.7	2313.9	2213.3	2074.0	1897.5	1685.6	1544.4
35°	3309.2	3503.5	3621.1	3660.5	3621.1	3503.5	3309.2	3040.7	2701.2	2338.2	2072.4
32.5°	5103.9	5453.4	5665.2	5736.2	5665.2	5453.4	5103.9	4622.1	4014.7	3434.3	2925.6
30°	7375.8	7832.6	8110.0	8203.1	8110.0	7832.6	7375.8	6747.7	5958.5	5133.5	4228.6
27.5°	9807.8	10329.5	10647.2	10753.9	10647.2	10329.5	9807.8	9092.9	8198.5	7174.6	6007.2
25°	12304.0	12903.3	13269.3	13392.5	13269.3	12903.3	12304.0	11486.4	10478.4	9320.8	8015.4
22.5°	14826.7	15503.7	15919.0	16059.0	15919.0	15503.7	14826.7	13908.5	12779.9	11467.7	10016.9
20°	17236.3	17941.5	18376.7	18523.9	18376.7	17941.5	17236.3	16287.0	15047.3	13590.7	11981.5
17.5°	19355.1	20027.4	20445.6	20587.7	20445.6	20027.4	19355.1	18447.3	17152.0	15637.8	13869.1
15°	21050.7	21616.5	21972.7	22094.6	21972.7	21616.5	21050.7	20204.8	18991.7	17448.6	15637.8
12.5°	22275.9	22715.3	22997.1	23094.5	22997.1	22715.3	22275.9	21517.2	20499.4	18991.7	17152.0
10°	23098.0	23299.6	23432.8	23479.7	23432.8	23299.6	23098.0	22452.1	21517.2	20204.8	18447.3
7.5°	23388.6	23439.2	23394.3	23377.9	23394.3	23439.2	23388.6	23098.0	22275.9	21050.7	19355.1
5°	23439.2	23314.9	23100.2	23014.7	23100.2	23314.9	23439.2	23299.6	22715.3	21616.5	20027.4
2.5°	23394.3	23100.2	22825.2	22691.4	22825.2	23100.2	23394.3	23432.8	22997.1	21972.7	20445.6
0°	23377.9	23014.7	22691.4	22531.7	22691.4	23014.7	23377.9	23479.7	23094.5	22094.6	20587.7
-2.5°	23394.3	23100.2	22825.2	22691.4	22825.2	23100.2	23394.3	23432.8	22997.1	21972.7	20445.6
-5°	23439.2	23314.9	23100.2	23014.7	23100.2	23314.9	23439.2	23299.6	22715.3	21616.5	20027.4
-7.5°	23388.6	23439.2	23394.3	23377.9	23394.3	23439.2	23388.6	23098.0	22275.9	21050.7	19355.1
-10°	23098.0	23299.6	23432.8	23479.7	23432.8	23299.6	23098.0	22452.1	21517.2	20204.8	18447.3
-12.5°	22275.9	22715.3	22997.1	23094.5	22997.1	22715.3	22275.9	21517.2	20499.4	18991.7	17152.0
-15°	21050.7	21616.5	21972.7	22094.6	21972.7	21616.5	21050.7	20204.8	18991.7	17448.6	15637.8
-17.5°	19355.1	20027.4	20445.6	20587.7	20445.6	20027.4	19355.1	18447.3	17152.0	15637.8	13869.1
-20°	17236.3	17941.5	18376.7	18523.9	18376.7	17941.5	17236.3	16287.0	15047.3	13590.7	11981.5



REPORT NUMBER: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14826.7	15503.7	15919.0	16059.0	15919.0	15503.7	14826.7	13908.5	12779.9	11467.7	10016.9
-25°	12304.0	12903.3	13269.3	13392.5	13269.3	12903.3	12304.0	11486.4	10478.4	9320.8	8015.4
-27.5°	9807.8	10329.5	10647.2	10753.9	10647.2	10329.5	9807.8	9092.9	8198.5	7174.6	6007.2
-30°	7375.8	7832.6	8110.0	8203.1	8110.0	7832.6	7375.8	6747.7	5958.5	5133.5	4228.6
-32.5°	5103.9	5453.4	5665.2	5736.2	5665.2	5453.4	5103.9	4622.1	4014.7	3434.3	2925.6
-35°	3309.2	3503.5	3621.1	3660.5	3621.1	3503.5	3309.2	3040.7	2701.2	2338.2	2072.4
-37.5°	2213.3	2313.9	2374.7	2395.1	2374.7	2313.9	2213.3	2074.0	1897.5	1685.6	1544.4
-40°	1584.9	1636.7	1668.0	1678.5	1668.0	1636.7	1584.9	1513.0	1421.7	1311.9	1222.7
-42.5°	1225.7	1253.2	1269.8	1275.4	1269.8	1253.2	1225.7	1187.5	1138.9	1080.2	1023.5
-45°	1013.8	1029.4	1038.8	1041.9	1038.8	1029.4	1013.8	992.2	964.7	931.5	894.5
-47.5°	880.7	890.4	896.2	898.2	896.2	890.4	880.7	867.2	850.0	829.2	804.9
-50°	789.6	795.6	799.2	800.4	799.2	795.6	789.6	781.2	770.6	757.7	742.7
-52.5°	727.0	731.2	733.7	734.5	733.7	731.2	727.0	721.2	713.8	704.9	694.4
-55°	678.9	682.0	684.0	684.6	684.0	682.0	678.9	674.4	668.8	661.9	653.8
-57.5°	637.7	640.5	642.1	642.7	642.1	640.5	637.7	633.9	629.0	623.0	616.0
-60°	598.3	600.8	602.3	602.8	602.3	600.8	598.3	594.8	590.3	584.9	578.5
-62.5°	557.9	560.6	562.3	562.8	562.3	560.6	557.9	554.1	549.3	543.4	536.5
-65°	510.2	512.8	514.4	514.9	514.4	512.8	510.2	506.5	501.8	496.1	489.4
-67.5°	457.8	460.7	462.4	463.0	462.4	460.7	457.8	453.8	448.7	442.4	435.1
-70°	394.8	397.2	398.7	399.2	398.7	397.2	394.8	391.4	387.0	381.6	375.4
-72.5°	333.2	335.5	336.8	337.3	336.8	335.5	333.2	330.1	326.0	321.1	315.3
-75°	268.0	269.9	271.0	271.4	271.0	269.9	268.0	265.5	262.1	258.1	253.3
-77.5°	205.2	206.5	207.3	207.6	207.3	206.5	205.2	203.3	200.9	197.9	194.5
-80°	150.0	151.0	151.5	151.7	151.5	151.0	150.0	148.8	147.1	145.1	142.7
-82.5°	102.8	103.3	103.7	103.8	103.7	103.3	102.8	102.0	100.9	99.7	98.2
-85°	63.2	63.6	63.8	63.9	63.8	63.6	63.2	62.7	62.1	61.3	60.4
-87.5°	25.7	25.8	25.9	25.9	25.9	25.8	25.7	25.5	25.3	25.0	24.7
-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: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

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°	24.3	23.9	23.5	23.0	22.4	21.8	21.2	20.5	19.8	19.1	18.3
85°	59.3	58.1	56.8	55.3	53.7	52.0	50.1	48.2	46.1	43.9	41.6
82.5°	96.5	94.6	92.5	90.2	87.7	85.0	82.1	79.0	75.7	72.2	68.6
80°	140.0	137.0	133.6	129.9	125.8	121.5	116.8	111.8	106.6	101.5	96.7
77.5°	190.5	186.0	181.0	175.6	169.7	163.3	156.4	149.5	143.0	136.0	128.8
75°	247.8	241.7	234.8	227.3	219.1	210.4	201.8	193.0	183.8	174.1	163.9
72.5°	308.7	301.2	292.9	283.8	273.9	263.5	252.5	240.8	228.5	215.5	202.6
70°	368.2	360.1	351.1	341.3	330.2	317.9	304.9	291.0	276.4	261.3	245.8
67.5°	426.7	417.2	406.7	395.3	383.2	370.2	356.3	341.6	325.4	308.0	289.8
65°	481.7	473.0	463.4	450.7	436.7	421.7	405.7	389.0	371.7	353.5	334.3
62.5°	528.6	519.7	509.5	497.8	485.2	471.7	456.0	437.2	417.4	396.8	375.8
60°	571.2	563.0	552.2	540.3	527.5	513.7	497.8	481.1	463.4	440.8	417.2
57.5°	608.0	599.0	589.1	578.2	566.5	552.2	536.2	519.3	500.5	480.4	458.6
55°	644.6	634.7	623.9	612.1	599.3	585.7	571.2	554.5	535.3	515.2	492.6
52.5°	682.8	671.6	659.2	645.8	631.8	617.0	601.4	584.9	567.5	546.9	524.4
50°	727.7	713.2	697.2	680.6	664.9	648.2	631.1	613.3	594.8	575.4	553.9
47.5°	784.8	764.0	741.2	720.9	700.7	680.2	661.2	641.3	621.4	600.8	579.4
45°	864.6	831.3	796.6	769.9	741.4	716.7	692.5	669.9	647.7	625.5	602.8
42.5°	976.0	923.1	875.8	833.3	792.0	759.5	727.6	700.5	674.3	649.9	625.5
40°	1139.2	1046.6	982.7	915.7	861.5	810.0	770.5	733.0	703.2	674.3	647.7
37.5°	1388.7	1241.3	1132.9	1026.1	949.8	878.6	821.2	774.2	733.0	700.5	669.9
35°	1773.5	1546.7	1345.8	1191.5	1059.3	967.1	884.3	821.2	770.5	727.6	692.5
32.5°	2372.9	2018.6	1654.5	1424.7	1221.2	1073.8	967.1	878.6	810.0	759.5	716.7
30°	3391.6	2719.0	2168.7	1733.0	1451.2	1221.2	1059.3	949.8	861.5	792.0	741.4
27.5°	4874.2	3688.6	2903.6	2219.2	1733.0	1424.7	1191.5	1026.1	915.7	833.3	769.9
25°	6616.1	5203.3	3847.0	2903.6	2168.7	1654.5	1345.8	1132.9	982.7	875.8	796.6
22.5°	8453.9	6821.9	5203.3	3688.6	2719.0	2018.6	1546.7	1241.3	1046.6	923.1	831.3
20°	10253.0	8453.9	6616.1	4874.2	3391.6	2372.9	1773.5	1388.7	1139.2	976.0	864.6
17.5°	11981.5	10016.9	8015.4	6007.2	4228.6	2925.6	2072.4	1544.4	1222.7	1023.5	894.5
15°	13590.7	11467.7	9320.8	7174.6	5133.5	3434.3	2338.2	1685.6	1311.9	1080.2	931.5
12.5°	15047.3	12779.9	10478.4	8198.5	5958.5	4014.7	2701.2	1897.5	1421.7	1138.9	964.7
10°	16287.0	13908.5	11486.4	9092.9	6747.7	4622.1	3040.7	2074.0	1513.0	1187.5	992.2
7.5°	17236.3	14826.7	12304.0	9807.8	7375.8	5103.9	3309.2	2213.3	1584.9	1225.7	1013.8
5°	17941.5	15503.7	12903.3	10329.5	7832.6	5453.4	3503.5	2313.9	1636.7	1253.2	1029.4
2.5°	18376.7	15919.0	13269.3	10647.2	8110.0	5665.2	3621.1	2374.7	1668.0	1269.8	1038.8
0°	18523.9	16059.0	13392.5	10753.9	8203.1	5736.2	3660.5	2395.1	1678.5	1275.4	1041.9
-2.5°	18376.7	15919.0	13269.3	10647.2	8110.0	5665.2	3621.1	2374.7	1668.0	1269.8	1038.8
-5°	17941.5	15503.7	12903.3	10329.5	7832.6	5453.4	3503.5	2313.9	1636.7	1253.2	1029.4
-7.5°	17236.3	14826.7	12304.0	9807.8	7375.8	5103.9	3309.2	2213.3	1584.9	1225.7	1013.8
-10°	16287.0	13908.5	11486.4	9092.9	6747.7	4622.1	3040.7	2074.0	1513.0	1187.5	992.2
-12.5°	15047.3	12779.9	10478.4	8198.5	5958.5	4014.7	2701.2	1897.5	1421.7	1138.9	964.7
-15°	13590.7	11467.7	9320.8	7174.6	5133.5	3434.3	2338.2	1685.6	1311.9	1080.2	931.5
-17.5°	11981.5	10016.9	8015.4	6007.2	4228.6	2925.6	2072.4	1544.4	1222.7	1023.5	894.5
-20°	10253.0	8453.9	6616.1	4874.2	3391.6	2372.9	1773.5	1388.7	1139.2	976.0	864.6

Classified

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

Scaled Data Report



REPORT NUMBER: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8453.9	6821.9	5203.3	3688.6	2719.0	2018.6	1546.7	1241.3	1046.6	923.1	831.3
-25°	6616.1	5203.3	3847.0	2903.6	2168.7	1654.5	1345.8	1132.9	982.7	875.8	796.6
-27.5°	4874.2	3688.6	2903.6	2219.2	1733.0	1424.7	1191.5	1026.1	915.7	833.3	769.9
-30°	3391.6	2719.0	2168.7	1733.0	1451.2	1221.2	1059.3	949.8	861.5	792.0	741.4
-32.5°	2372.9	2018.6	1654.5	1424.7	1221.2	1073.8	967.1	878.6	810.0	759.5	716.7
-35°	1773.5	1546.7	1345.8	1191.5	1059.3	967.1	884.3	821.2	770.5	727.6	692.5
-37.5°	1388.7	1241.3	1132.9	1026.1	949.8	878.6	821.2	774.2	733.0	700.5	669.9
-40°	1139.2	1046.6	982.7	915.7	861.5	810.0	770.5	733.0	703.2	674.3	647.7
-42.5°	976.0	923.1	875.8	833.3	792.0	759.5	727.6	700.5	674.3	649.9	625.5
-45°	864.6	831.3	796.6	769.9	741.4	716.7	692.5	669.9	647.7	625.5	602.8
-47.5°	784.8	764.0	741.2	720.9	700.7	680.2	661.2	641.3	621.4	600.8	579.4
-50°	727.7	713.2	697.2	680.6	664.9	648.2	631.1	613.3	594.8	575.4	553.9
-52.5°	682.8	671.6	659.2	645.8	631.8	617.0	601.4	584.9	567.5	546.9	524.4
-55°	644.6	634.7	623.9	612.1	599.3	585.7	571.2	554.5	535.3	515.2	492.6
-57.5°	608.0	599.0	589.1	578.2	566.5	552.2	536.2	519.3	500.5	480.4	458.6
-60°	571.2	563.0	552.2	540.3	527.5	513.7	497.8	481.1	463.4	440.8	417.2
-62.5°	528.6	519.7	509.5	497.8	485.2	471.7	456.0	437.2	417.4	396.8	375.8
-65°	481.7	473.0	463.4	450.7	436.7	421.7	405.7	389.0	371.7	353.5	334.3
-67.5°	426.7	417.2	406.7	395.3	383.2	370.2	356.3	341.6	325.4	308.0	289.8
-70°	368.2	360.1	351.1	341.3	330.2	317.9	304.9	291.0	276.4	261.3	245.8
-72.5°	308.7	301.2	292.9	283.8	273.9	263.5	252.5	240.8	228.5	215.5	202.6
-75°	247.8	241.7	234.8	227.3	219.1	210.4	201.8	193.0	183.8	174.1	163.9
-77.5°	190.5	186.0	181.0	175.6	169.7	163.3	156.4	149.5	143.0	136.0	128.8
-80°	140.0	137.0	133.6	129.9	125.8	121.5	116.8	111.8	106.6	101.5	96.7
-82.5°	96.5	94.6	92.5	90.2	87.7	85.0	82.1	79.0	75.7	72.2	68.6
-85°	59.3	58.1	56.8	55.3	53.7	52.0	50.1	48.2	46.1	43.9	41.6
-87.5°	24.3	23.9	23.5	23.0	22.4	21.8	21.2	20.5	19.8	19.1	18.3
-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: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

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°	17.5	16.6	15.8	14.9	13.9	12.9	12.0	10.9	9.9	8.9	7.8
85°	39.2	36.7	34.1	31.5	28.7	25.9	23.9	21.9	19.8	17.7	15.6
82.5°	64.8	61.1	57.2	53.2	49.0	44.8	40.4	36.0	31.4	26.8	23.3
80°	91.6	86.4	80.9	75.3	69.5	63.6	57.8	51.9	45.8	39.7	33.4
77.5°	121.2	113.3	105.2	97.9	90.7	83.3	75.6	67.9	60.1	52.4	44.6
75°	153.3	143.6	133.8	123.7	113.3	102.8	93.6	84.3	74.8	65.2	55.7
72.5°	190.2	177.3	164.0	150.4	138.2	125.8	113.0	100.6	89.6	78.3	66.9
70°	229.5	212.7	196.8	181.1	164.9	148.8	134.2	119.3	104.2	91.3	78.3
67.5°	271.0	252.0	232.4	212.2	193.4	174.8	155.7	138.4	121.4	104.2	89.6
65°	313.3	291.5	269.1	246.6	223.5	200.9	179.7	158.2	138.4	119.3	100.6
62.5°	354.1	331.1	306.3	280.8	255.2	229.3	203.4	179.7	155.7	134.2	113.0
60°	392.8	368.2	342.8	315.3	286.8	258.1	229.3	200.9	174.8	148.8	125.8
57.5°	432.0	404.4	376.7	348.4	318.3	286.8	255.2	223.5	193.4	164.9	138.2
55°	469.2	440.9	410.3	379.6	348.4	315.3	280.8	246.6	212.2	181.1	150.4
52.5°	500.1	474.1	443.9	410.3	376.7	342.8	306.3	269.1	232.4	196.8	164.0
50°	529.0	502.5	474.1	440.9	404.4	368.2	331.1	291.5	252.0	212.7	177.3
47.5°	556.2	529.0	500.1	469.2	432.0	392.8	354.1	313.3	271.0	229.5	190.2
45°	579.4	553.9	524.4	492.6	458.6	417.2	375.8	334.3	289.8	245.8	202.6
42.5°	600.8	575.4	546.9	515.2	480.4	440.8	396.8	353.5	308.0	261.3	215.5
40°	621.4	594.8	567.5	535.3	500.5	463.4	417.4	371.7	325.4	276.4	228.5
37.5°	641.3	613.3	584.9	554.5	519.3	481.1	437.2	389.0	341.6	291.0	240.8
35°	661.2	631.1	601.4	571.2	536.2	497.8	456.0	405.7	356.3	304.9	252.5
32.5°	680.2	648.2	617.0	585.7	552.2	513.7	471.7	421.7	370.2	317.9	263.5
30°	700.7	664.9	631.8	599.3	566.5	527.5	485.2	436.7	383.2	330.2	273.9
27.5°	720.9	680.6	645.8	612.1	578.2	540.3	497.8	450.7	395.3	341.3	283.8
25°	741.2	697.2	659.2	623.9	589.1	552.2	509.5	463.4	406.7	351.1	292.9
22.5°	764.0	713.2	671.6	634.7	599.0	563.0	519.7	473.0	417.2	360.1	301.2
20°	784.8	727.7	682.8	644.6	608.0	571.2	528.6	481.7	426.7	368.2	308.7
17.5°	804.9	742.7	694.4	653.8	616.0	578.5	536.5	489.4	435.1	375.4	315.3
15°	829.2	757.7	704.9	661.9	623.0	584.9	543.4	496.1	442.4	381.6	321.1
12.5°	850.0	770.6	713.8	668.8	629.0	590.3	549.3	501.8	448.7	387.0	326.0
10°	867.2	781.2	721.2	674.4	633.9	594.8	554.1	506.5	453.8	391.4	330.1
7.5°	880.7	789.6	727.0	678.9	637.7	598.3	557.9	510.2	457.8	394.8	333.2
5°	890.4	795.6	731.2	682.0	640.5	600.8	560.6	512.8	460.7	397.2	335.5
2.5°	896.2	799.2	733.7	684.0	642.1	602.3	562.3	514.4	462.4	398.7	336.8
0°	898.2	800.4	734.5	684.6	642.7	602.8	562.8	514.9	463.0	399.2	337.3
-2.5°	896.2	799.2	733.7	684.0	642.1	602.3	562.3	514.4	462.4	398.7	336.8
-5°	890.4	795.6	731.2	682.0	640.5	600.8	560.6	512.8	460.7	397.2	335.5
-7.5°	880.7	789.6	727.0	678.9	637.7	598.3	557.9	510.2	457.8	394.8	333.2
-10°	867.2	781.2	721.2	674.4	633.9	594.8	554.1	506.5	453.8	391.4	330.1
-12.5°	850.0	770.6	713.8	668.8	629.0	590.3	549.3	501.8	448.7	387.0	326.0
-15°	829.2	757.7	704.9	661.9	623.0	584.9	543.4	496.1	442.4	381.6	321.1
-17.5°	804.9	742.7	694.4	653.8	616.0	578.5	536.5	489.4	435.1	375.4	315.3
-20°	784.8	727.7	682.8	644.6	608.0	571.2	528.6	481.7	426.7	368.2	308.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	764.0	713.2	671.6	634.7	599.0	563.0	519.7	473.0	417.2	360.1	301.2
-25°	741.2	697.2	659.2	623.9	589.1	552.2	509.5	463.4	406.7	351.1	292.9
-27.5°	720.9	680.6	645.8	612.1	578.2	540.3	497.8	450.7	395.3	341.3	283.8
-30°	700.7	664.9	631.8	599.3	566.5	527.5	485.2	436.7	383.2	330.2	273.9
-32.5°	680.2	648.2	617.0	585.7	552.2	513.7	471.7	421.7	370.2	317.9	263.5
-35°	661.2	631.1	601.4	571.2	536.2	497.8	456.0	405.7	356.3	304.9	252.5
-37.5°	641.3	613.3	584.9	554.5	519.3	481.1	437.2	389.0	341.6	291.0	240.8
-40°	621.4	594.8	567.5	535.3	500.5	463.4	417.4	371.7	325.4	276.4	228.5
-42.5°	600.8	575.4	546.9	515.2	480.4	440.8	396.8	353.5	308.0	261.3	215.5
-45°	579.4	553.9	524.4	492.6	458.6	417.2	375.8	334.3	289.8	245.8	202.6
-47.5°	556.2	529.0	500.1	469.2	432.0	392.8	354.1	313.3	271.0	229.5	190.2
-50°	529.0	502.5	474.1	440.9	404.4	368.2	331.1	291.5	252.0	212.7	177.3
-52.5°	500.1	474.1	443.9	410.3	376.7	342.8	306.3	269.1	232.4	196.8	164.0
-55°	469.2	440.9	410.3	379.6	348.4	315.3	280.8	246.6	212.2	181.1	150.4
-57.5°	432.0	404.4	376.7	348.4	318.3	286.8	255.2	223.5	193.4	164.9	138.2
-60°	392.8	368.2	342.8	315.3	286.8	258.1	229.3	200.9	174.8	148.8	125.8
-62.5°	354.1	331.1	306.3	280.8	255.2	229.3	203.4	179.7	155.7	134.2	113.0
-65°	313.3	291.5	269.1	246.6	223.5	200.9	179.7	158.2	138.4	119.3	100.6
-67.5°	271.0	252.0	232.4	212.2	193.4	174.8	155.7	138.4	121.4	104.2	89.6
-70°	229.5	212.7	196.8	181.1	164.9	148.8	134.2	119.3	104.2	91.3	78.3
-72.5°	190.2	177.3	164.0	150.4	138.2	125.8	113.0	100.6	89.6	78.3	66.9
-75°	153.3	143.6	133.8	123.7	113.3	102.8	93.6	84.3	74.8	65.2	55.7
-77.5°	121.2	113.3	105.2	97.9	90.7	83.3	75.6	67.9	60.1	52.4	44.6
-80°	91.6	86.4	80.9	75.3	69.5	63.6	57.8	51.9	45.8	39.7	33.4
-82.5°	64.8	61.1	57.2	53.2	49.0	44.8	40.4	36.0	31.4	26.8	23.3
-85°	39.2	36.7	34.1	31.5	28.7	25.9	23.9	21.9	19.8	17.7	15.6
-87.5°	17.5	16.6	15.8	14.9	13.9	12.9	12.0	10.9	9.9	8.9	7.8
-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: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

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°	6.7	5.6	4.5	3.4	2.3	1.1	0.0
85°	13.4	11.2	9.0	6.8	4.5	2.3	0.0
82.5°	20.1	16.8	13.5	10.1	6.8	3.4	0.0
80°	27.1	22.3	17.9	13.5	9.0	4.5	0.0
77.5°	36.7	28.7	22.3	16.8	11.2	5.6	0.0
75°	46.3	36.7	27.1	20.1	13.4	6.7	0.0
72.5°	55.7	44.6	33.4	23.3	15.6	7.8	0.0
70°	65.2	52.4	39.7	26.8	17.7	8.9	0.0
67.5°	74.8	60.1	45.8	31.4	19.8	9.9	0.0
65°	84.3	67.9	51.9	36.0	21.9	10.9	0.0
62.5°	93.6	75.6	57.8	40.4	23.9	12.0	0.0
60°	102.8	83.3	63.6	44.8	25.9	12.9	0.0
57.5°	113.3	90.7	69.5	49.0	28.7	13.9	0.0
55°	123.7	97.9	75.3	53.2	31.5	14.9	0.0
52.5°	133.8	105.2	80.9	57.2	34.1	15.8	0.0
50°	143.6	113.3	86.4	61.1	36.7	16.6	0.0
47.5°	153.3	121.2	91.6	64.8	39.2	17.5	0.0
45°	163.9	128.8	96.7	68.6	41.6	18.3	0.0
42.5°	174.1	136.0	101.5	72.2	43.9	19.1	0.0
40°	183.8	143.0	106.6	75.7	46.1	19.8	0.0
37.5°	193.0	149.5	111.8	79.0	48.2	20.5	0.0
35°	201.8	156.4	116.8	82.1	50.1	21.2	0.0
32.5°	210.4	163.3	121.5	85.0	52.0	21.8	0.0
30°	219.1	169.7	125.8	87.7	53.7	22.4	0.0
27.5°	227.3	175.6	129.9	90.2	55.3	23.0	0.0
25°	234.8	181.0	133.6	92.5	56.8	23.5	0.0
22.5°	241.7	186.0	137.0	94.6	58.1	23.9	0.0
20°	247.8	190.5	140.0	96.5	59.3	24.3	0.0
17.5°	253.3	194.5	142.7	98.2	60.4	24.7	0.0
15°	258.1	197.9	145.1	99.7	61.3	25.0	0.0
12.5°	262.1	200.9	147.1	100.9	62.1	25.3	0.0
10°	265.5	203.3	148.8	102.0	62.7	25.5	0.0
7.5°	268.0	205.2	150.0	102.8	63.2	25.7	0.0
5°	269.9	206.5	151.0	103.3	63.6	25.8	0.0
2.5°	271.0	207.3	151.5	103.7	63.8	25.9	0.0
0°	271.4	207.6	151.7	103.8	63.9	25.9	0.0
-2.5°	271.0	207.3	151.5	103.7	63.8	25.9	0.0
-5°	269.9	206.5	151.0	103.3	63.6	25.8	0.0
-7.5°	268.0	205.2	150.0	102.8	63.2	25.7	0.0
-10°	265.5	203.3	148.8	102.0	62.7	25.5	0.0
-12.5°	262.1	200.9	147.1	100.9	62.1	25.3	0.0
-15°	258.1	197.9	145.1	99.7	61.3	25.0	0.0
-17.5°	253.3	194.5	142.7	98.2	60.4	24.7	0.0
-20°	247.8	190.5	140.0	96.5	59.3	24.3	0.0

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REPORT NUMBER: P624745 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-04-E-PRO-3000K-55

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	241.7	186.0	137.0	94.6	58.1	23.9	0.0
-25°	234.8	181.0	133.6	92.5	56.8	23.5	0.0
-27.5°	227.3	175.6	129.9	90.2	55.3	23.0	0.0
-30°	219.1	169.7	125.8	87.7	53.7	22.4	0.0
-32.5°	210.4	163.3	121.5	85.0	52.0	21.8	0.0
-35°	201.8	156.4	116.8	82.1	50.1	21.2	0.0
-37.5°	193.0	149.5	111.8	79.0	48.2	20.5	0.0
-40°	183.8	143.0	106.6	75.7	46.1	19.8	0.0
-42.5°	174.1	136.0	101.5	72.2	43.9	19.1	0.0
-45°	163.9	128.8	96.7	68.6	41.6	18.3	0.0
-47.5°	153.3	121.2	91.6	64.8	39.2	17.5	0.0
-50°	143.6	113.3	86.4	61.1	36.7	16.6	0.0
-52.5°	133.8	105.2	80.9	57.2	34.1	15.8	0.0
-55°	123.7	97.9	75.3	53.2	31.5	14.9	0.0
-57.5°	113.3	90.7	69.5	49.0	28.7	13.9	0.0
-60°	102.8	83.3	63.6	44.8	25.9	12.9	0.0
-62.5°	93.6	75.6	57.8	40.4	23.9	12.0	0.0
-65°	84.3	67.9	51.9	36.0	21.9	10.9	0.0
-67.5°	74.8	60.1	45.8	31.4	19.8	9.9	0.0
-70°	65.2	52.4	39.7	26.8	17.7	8.9	0.0
-72.5°	55.7	44.6	33.4	23.3	15.6	7.8	0.0
-75°	46.3	36.7	27.1	20.1	13.4	6.7	0.0
-77.5°	36.7	28.7	22.3	16.8	11.2	5.6	0.0
-80°	27.1	22.3	17.9	13.5	9.0	4.5	0.0
-82.5°	20.1	16.8	13.5	10.1	6.8	3.4	0.0
-85°	13.4	11.2	9.0	6.8	4.5	2.3	0.0
-87.5°	6.7	5.6	4.5	3.4	2.3	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)