

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: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-5700K-44**

Issue Date: 11/8/2022



Test Information

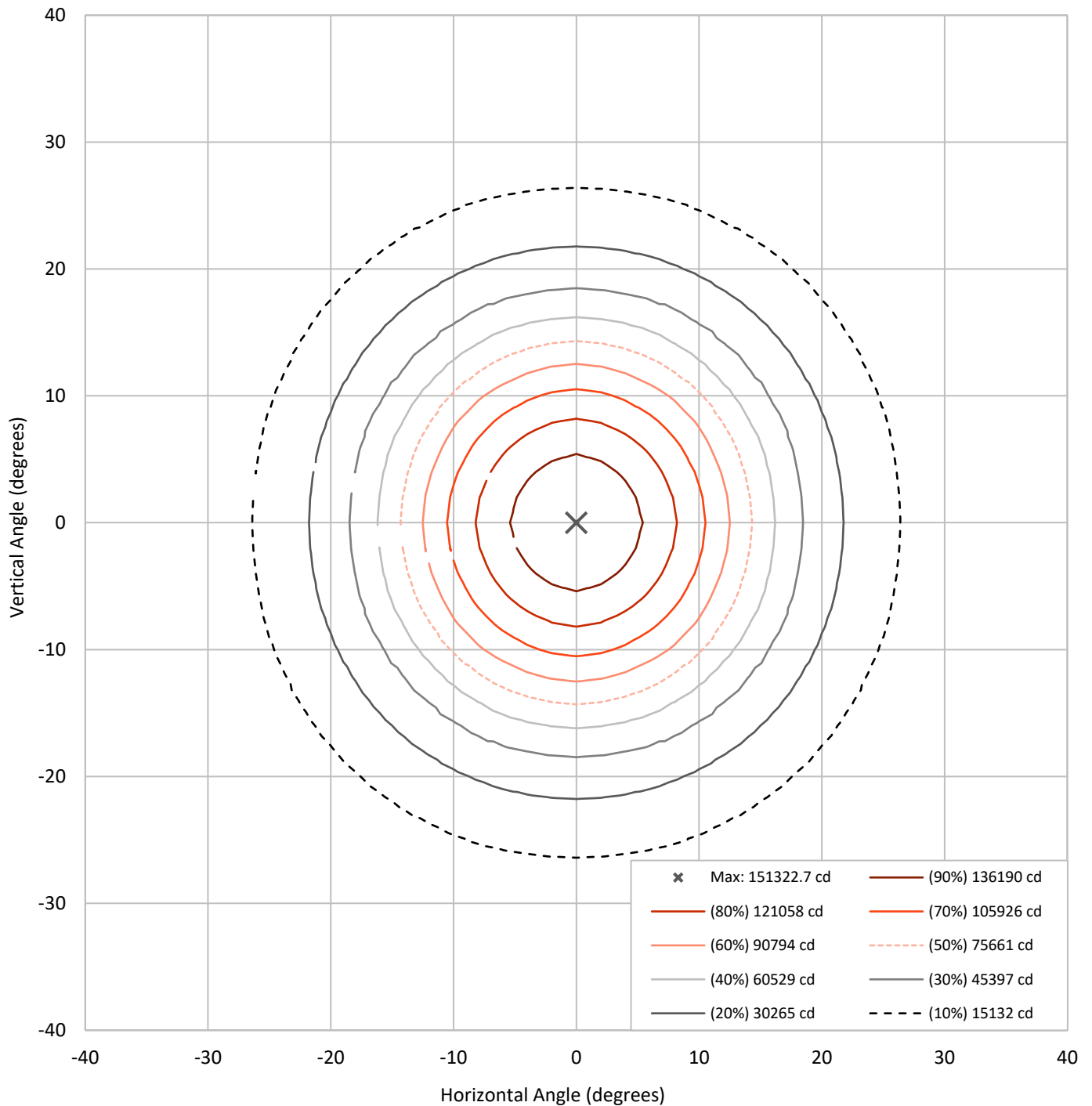
Test Method: LM-79-08
Report Number: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-8)
Test Lab: INNOVATION CENTER
Issue Date: 11/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-08-E-PRO-5700K-44
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 44 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	46789.7 lumens	Max Intensity:	151322.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	28.6°H x 28.6°V	Field Angle (10%):	52.7°H x 52.7°V
Beam Lumens:	22514 lumens	Field Lumens:	38013.5 lumens
Beam Efficiency:	48.1%	Field Efficiency:	81.2%
Input Watts (W):	378		
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		

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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

Iso-Candela Plot





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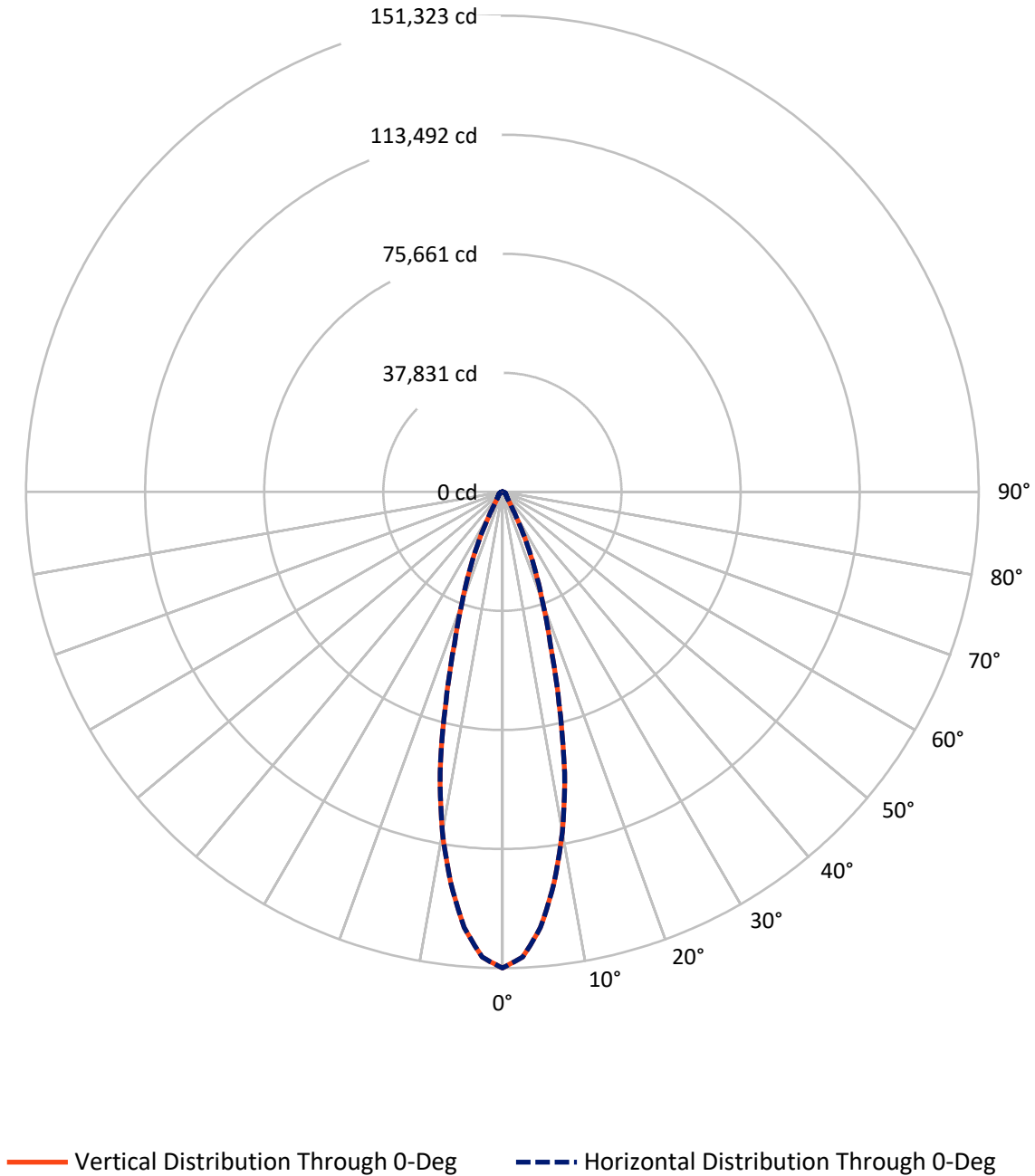
CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

Lumen Table

90	1.1		7.9		20.2		32.2		37.1		32.2		20.2		7.9		1.1		
80	1.1		7.9		20.2		32.2		37.1		32.2		20.2		7.9		1.1		
70	3.6	3.8	7.8	12.8	18.0	22.6	26.1	28.0	28.0	26.1	22.6	18.0	12.8	7.8	3.8	3.6			
60		5.8	11.8	19.0	26.3	32.6	37.4	40.1	40.1	37.4	32.6	26.3	19.0	11.8	5.8				
50	6.2	7.7	15.5	24.4	33.5	42.5	50.7	55.9	55.9	50.7	42.5	33.5	24.4	15.5	7.7	6.2			
40		9.4	18.5	29.0	41.6	59.2	86.4	114.8	114.8	86.4	59.2	41.6	29.0	18.5	9.4				
30	8.2	10.7	20.8	33.3	53.6	112.3	307.9	557.6	557.6	307.9	112.3	53.6	33.3	20.8	10.7	8.2			
20		11.6	22.4	37.3	73.7	290.6	998.9	1927.7	1927.7	998.9	290.6	73.7	37.3	22.4	11.6				
10	8.9	12.0	23.2	39.9	95.3	511.9	1875.4	3698.0	3698.0	1875.4	511.9	95.3	39.9	23.2	12.0	8.9			
0		12.0	23.2	39.9	95.3	511.9	1875.4	3698.0	3698.0	1875.4	511.9	95.3	39.9	23.2	12.0				
-10	8.2	11.6	22.4	37.3	73.7	290.6	998.9	1927.7	1927.7	998.9	290.6	73.7	37.3	22.4	11.6	8.2			
-20		10.7	20.8	33.3	53.6	112.3	307.9	557.6	557.6	307.9	112.3	53.6	33.3	20.8	10.7				
-30	6.2	9.4	18.5	29.0	41.6	59.2	86.4	114.8	114.8	86.4	59.2	41.6	29.0	18.5	9.4	6.2			
-40		7.7	15.5	24.4	33.5	42.5	50.7	55.9	55.9	50.7	42.5	33.5	24.4	15.5	7.7				
-50	3.6	5.8	11.8	19.0	26.3	32.6	37.4	40.1	40.1	37.4	32.6	26.3	19.0	11.8	5.8	3.6			
-60		3.8	7.8	12.8	18.0	22.6	26.1	28.0	28.0	26.1	22.6	18.0	12.8	7.8	3.8				
-70	1.1	7.9		20.2		32.2		37.1		32.2		20.2		7.9		1.1			
-80		7.9		20.2		32.2		37.1		32.2		20.2		7.9					
-90	1.1		7.9		20.2		32.2		37.1		32.2		20.2		7.9		1.1		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

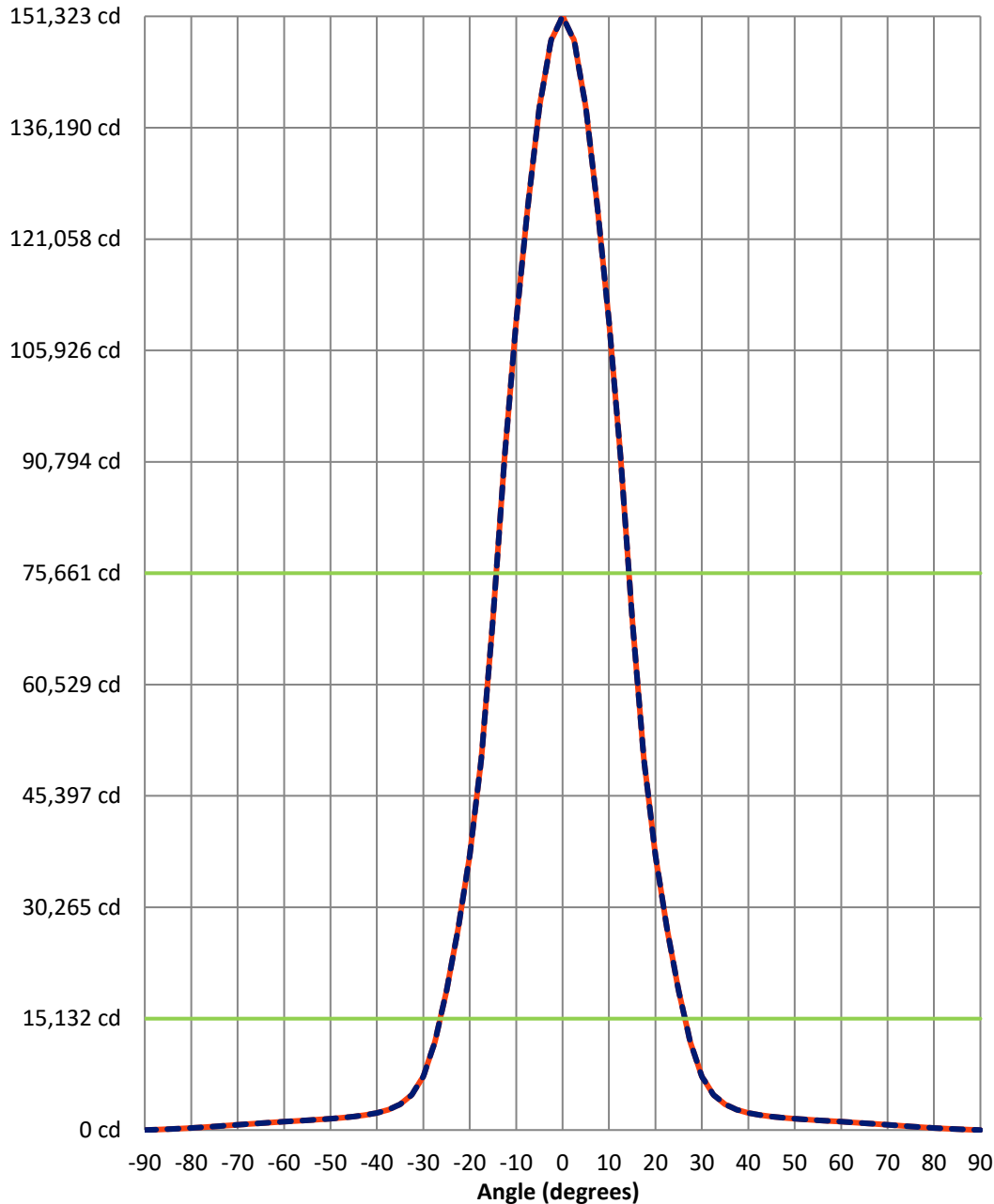
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 28.6°
 V Angle: 28.6°
 Lumens: 22514
 Efficiency: 48.1%

Field:
 H Angle: 52.7°
 V Angle: 52.7°
 Lumens: 38013.5
 Efficiency: 81.2%

Spill:
 Lumens: 8776.1
 Efficiency: 18.8%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.3	4.7	7.0	9.3	11.6	13.9	16.1	18.4	20.5	22.7
85°	0.0	4.7	9.3	14.0	18.6	23.2	27.8	32.3	36.7	41.1	45.3
82.5°	0.0	7.0	14.0	21.0	27.9	34.8	41.6	48.3	55.3	63.6	71.8
80°	0.0	9.3	18.6	27.9	37.1	46.3	55.8	67.2	78.4	89.5	100.4
77.5°	0.0	11.6	23.2	34.8	46.3	58.8	73.1	87.4	101.4	115.2	129.3
75°	0.0	13.9	27.8	41.6	55.8	73.1	90.3	107.3	124.3	142.0	159.5
72.5°	0.0	16.1	32.3	48.3	67.2	87.4	107.3	127.5	148.4	169.1	189.4
70°	0.0	18.4	36.7	55.3	78.4	101.4	124.3	148.4	172.3	195.9	222.1
67.5°	0.0	20.5	41.1	63.6	89.5	115.2	142.0	169.1	195.9	225.7	255.1
65°	0.0	22.7	45.3	71.8	100.4	129.3	159.5	189.4	222.1	255.1	289.4
62.5°	0.0	24.8	49.5	79.8	111.0	143.5	176.6	211.2	247.8	285.0	327.0
60°	0.0	26.8	53.6	87.6	121.5	157.5	193.3	233.2	273.0	318.4	364.0
57.5°	0.0	28.8	58.7	95.3	132.4	171.1	211.6	254.8	301.1	350.9	402.5
55°	0.0	30.8	63.7	102.7	143.0	184.4	229.6	275.8	329.4	383.4	441.3
52.5°	0.0	32.7	68.5	109.9	153.3	197.6	247.1	299.5	356.9	417.4	479.1
50°	0.0	34.5	73.1	116.9	163.2	211.7	264.1	322.8	384.3	450.4	518.7
47.5°	0.0	36.3	77.6	123.7	172.9	225.3	280.8	345.3	412.6	482.3	557.5
45°	0.0	38.0	81.9	130.7	182.1	238.4	299.4	367.0	439.9	515.8	594.8
42.5°	0.0	39.6	86.1	137.3	191.0	251.0	317.2	389.0	466.1	548.0	629.5
40°	0.0	41.1	90.0	143.6	200.0	263.0	334.1	410.8	491.8	578.9	662.5
37.5°	0.0	42.6	93.7	149.6	209.1	274.4	350.3	431.6	517.9	607.9	694.0
35°	0.0	44.0	97.2	155.3	217.7	286.4	365.6	451.2	542.5	634.6	723.8
32.5°	0.0	45.3	100.6	160.7	225.8	298.3	380.4	469.8	565.7	659.8	752.0
30°	0.0	46.5	103.7	165.6	233.3	309.5	395.1	487.4	587.4	683.4	778.3
27.5°	0.0	47.6	106.5	170.3	240.3	319.8	408.8	505.0	607.3	705.3	802.9
25°	0.0	48.7	109.2	174.5	246.8	329.3	421.5	521.2	625.2	725.6	825.5
22.5°	0.0	49.6	111.6	178.4	252.6	338.0	433.0	535.9	641.4	744.0	844.4
20°	0.0	50.5	113.7	181.9	257.9	345.8	443.3	549.2	656.1	760.7	861.4
17.5°	0.0	51.2	115.7	185.0	262.6	352.8	452.6	561.0	669.2	775.5	876.6
15°	0.0	51.9	117.3	187.7	266.7	358.8	460.6	571.3	680.6	788.4	889.8
12.5°	0.0	52.4	118.8	190.0	270.2	364.0	467.4	580.1	690.2	799.4	901.1
10°	0.0	52.9	119.9	191.8	273.0	368.2	473.0	587.3	698.2	808.4	910.4
7.5°	0.0	53.2	120.8	193.3	275.2	371.5	477.4	592.9	704.4	815.5	917.6
5°	0.0	53.5	121.5	194.4	276.8	373.8	480.5	596.9	708.8	820.5	922.8
2.5°	0.0	53.6	121.9	195.0	277.8	375.2	482.4	599.3	711.5	823.6	926.0
0°	0.0	53.7	122.0	195.2	278.1	375.7	483.0	600.1	712.4	824.6	927.0
-2.5°	0.0	53.6	121.9	195.0	277.8	375.2	482.4	599.3	711.5	823.6	926.0
-5°	0.0	53.5	121.5	194.4	276.8	373.8	480.5	596.9	708.8	820.5	922.8
-7.5°	0.0	53.2	120.8	193.3	275.2	371.5	477.4	592.9	704.4	815.5	917.6
-10°	0.0	52.9	119.9	191.8	273.0	368.2	473.0	587.3	698.2	808.4	910.4
-12.5°	0.0	52.4	118.8	190.0	270.2	364.0	467.4	580.1	690.2	799.4	901.1
-15°	0.0	51.9	117.3	187.7	266.7	358.8	460.6	571.3	680.6	788.4	889.8
-17.5°	0.0	51.2	115.7	185.0	262.6	352.8	452.6	561.0	669.2	775.5	876.6
-20°	0.0	50.5	113.7	181.9	257.9	345.8	443.3	549.2	656.1	760.7	861.4

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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	49.6	111.6	178.4	252.6	338.0	433.0	535.9	641.4	744.0	844.4
-25°	0.0	48.7	109.2	174.5	246.8	329.3	421.5	521.2	625.2	725.6	825.5
-27.5°	0.0	47.6	106.5	170.3	240.3	319.8	408.8	505.0	607.3	705.3	802.9
-30°	0.0	46.5	103.7	165.6	233.3	309.5	395.1	487.4	587.4	683.4	778.3
-32.5°	0.0	45.3	100.6	160.7	225.8	298.3	380.4	469.8	565.7	659.8	752.0
-35°	0.0	44.0	97.2	155.3	217.7	286.4	365.6	451.2	542.5	634.6	723.8
-37.5°	0.0	42.6	93.7	149.6	209.1	274.4	350.3	431.6	517.9	607.9	694.0
-40°	0.0	41.1	90.0	143.6	200.0	263.0	334.1	410.8	491.8	578.9	662.5
-42.5°	0.0	39.6	86.1	137.3	191.0	251.0	317.2	389.0	466.1	548.0	629.5
-45°	0.0	38.0	81.9	130.7	182.1	238.4	299.4	367.0	439.9	515.8	594.8
-47.5°	0.0	36.3	77.6	123.7	172.9	225.3	280.8	345.3	412.6	482.3	557.5
-50°	0.0	34.5	73.1	116.9	163.2	211.7	264.1	322.8	384.3	450.4	518.7
-52.5°	0.0	32.7	68.5	109.9	153.3	197.6	247.1	299.5	356.9	417.4	479.1
-55°	0.0	30.8	63.7	102.7	143.0	184.4	229.6	275.8	329.4	383.4	441.3
-57.5°	0.0	28.8	58.7	95.3	132.4	171.1	211.6	254.8	301.1	350.9	402.5
-60°	0.0	26.8	53.6	87.6	121.5	157.5	193.3	233.2	273.0	318.4	364.0
-62.5°	0.0	24.8	49.5	79.8	111.0	143.5	176.6	211.2	247.8	285.0	327.0
-65°	0.0	22.7	45.3	71.8	100.4	129.3	159.5	189.4	222.1	255.1	289.4
-67.5°	0.0	20.5	41.1	63.6	89.5	115.2	142.0	169.1	195.9	225.7	255.1
-70°	0.0	18.4	36.7	55.3	78.4	101.4	124.3	148.4	172.3	195.9	222.1
-72.5°	0.0	16.1	32.3	48.3	67.2	87.4	107.3	127.5	148.4	169.1	189.4
-75°	0.0	13.9	27.8	41.6	55.8	73.1	90.3	107.3	124.3	142.0	159.5
-77.5°	0.0	11.6	23.2	34.8	46.3	58.8	73.1	87.4	101.4	115.2	129.3
-80°	0.0	9.3	18.6	27.9	37.1	46.3	55.8	67.2	78.4	89.5	100.4
-82.5°	0.0	7.0	14.0	21.0	27.9	34.8	41.6	48.3	55.3	63.6	71.8
-85°	0.0	4.7	9.3	14.0	18.6	23.2	27.8	32.3	36.7	41.1	45.3
-87.5°	0.0	2.3	4.7	7.0	9.3	11.6	13.9	16.1	18.4	20.5	22.7
-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-08-E-PRO-5700K-44

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°	24.8	26.8	28.8	30.8	32.7	34.5	36.3	38.0	39.6	41.1	42.6
85°	49.5	53.6	58.7	63.7	68.5	73.1	77.6	81.9	86.1	90.0	93.7
82.5°	79.8	87.6	95.3	102.7	109.9	116.9	123.7	130.7	137.3	143.6	149.6
80°	111.0	121.5	132.4	143.0	153.3	163.2	172.9	182.1	191.0	200.0	209.1
77.5°	143.5	157.5	171.1	184.4	197.6	211.7	225.3	238.4	251.0	263.0	274.4
75°	176.6	193.3	211.6	229.6	247.1	264.1	280.8	299.4	317.2	334.1	350.3
72.5°	211.2	233.2	254.8	275.8	299.5	322.8	345.3	367.0	389.0	410.8	431.6
70°	247.8	273.0	301.1	329.4	356.9	384.3	412.6	439.9	466.1	491.8	517.9
67.5°	285.0	318.4	350.9	383.4	417.4	450.4	482.3	515.8	548.0	578.9	607.9
65°	327.0	364.0	402.5	441.3	479.1	518.7	557.5	594.8	629.5	662.5	694.0
62.5°	368.3	412.1	455.7	499.8	545.1	589.1	630.5	670.0	708.1	744.5	779.2
60°	412.1	460.6	510.4	561.0	610.0	656.1	700.8	744.0	785.6	825.5	860.3
57.5°	455.7	510.4	566.4	620.3	671.6	721.6	770.0	816.9	858.9	898.5	936.9
55°	499.8	561.0	620.3	676.8	732.0	785.8	836.9	883.1	927.7	972.7	1015.8
52.5°	545.1	610.0	671.6	732.0	791.0	846.5	897.7	948.3	998.7	1047.1	1093.6
50°	589.1	656.1	721.6	785.8	846.5	902.6	958.7	1014.4	1068.2	1120.2	1164.9
47.5°	630.5	700.8	770.0	836.9	897.7	958.7	1019.6	1078.9	1136.3	1182.7	1226.5
45°	670.0	744.0	816.9	883.1	948.3	1014.4	1078.9	1141.7	1191.7	1240.6	1289.8
42.5°	708.1	785.6	858.9	927.7	998.7	1068.2	1136.3	1191.7	1245.5	1299.6	1356.5
40°	744.5	825.5	898.5	972.7	1047.1	1120.2	1182.7	1240.6	1299.6	1362.3	1426.4
37.5°	779.2	860.3	936.9	1015.8	1093.6	1164.9	1226.5	1289.8	1356.5	1426.4	1494.3
35°	812.3	893.3	974.8	1056.9	1137.9	1204.0	1270.4	1339.3	1414.7	1488.2	1565.0
32.5°	841.8	924.6	1010.6	1095.8	1173.1	1241.8	1312.5	1391.4	1470.3	1549.9	1642.2
30°	868.5	955.3	1044.3	1132.4	1205.6	1278.8	1357.0	1440.8	1523.2	1619.2	1726.5
27.5°	893.3	984.0	1075.7	1162.2	1236.4	1313.5	1400.3	1487.3	1581.3	1688.3	1812.0
25°	916.3	1010.6	1104.8	1188.2	1266.1	1349.4	1440.6	1530.7	1638.6	1763.3	1911.4
22.5°	937.8	1034.9	1131.5	1212.0	1293.5	1383.7	1477.7	1578.5	1696.6	1834.0	2008.9
20°	957.7	1056.9	1153.1	1233.8	1318.3	1414.9	1511.5	1623.4	1755.9	1917.1	2119.1
17.5°	975.5	1076.5	1170.7	1254.2	1343.4	1442.9	1543.0	1663.7	1809.1	1992.2	2228.4
15°	990.9	1093.6	1186.2	1272.0	1365.9	1467.4	1575.7	1706.0	1864.2	2065.1	2326.9
12.5°	1004.1	1108.2	1199.3	1287.2	1385.2	1488.4	1603.7	1743.2	1916.8	2142.2	2458.2
10°	1015.0	1120.2	1210.2	1299.8	1401.1	1505.7	1626.9	1774.1	1960.5	2206.3	2567.6
7.5°	1023.5	1129.6	1218.6	1309.6	1413.5	1519.3	1645.1	1798.3	1994.8	2256.8	2653.9
5°	1029.5	1136.3	1224.7	1316.6	1422.4	1529.1	1658.2	1815.7	2019.6	2293.2	2716.2
2.5°	1033.2	1140.3	1228.4	1320.9	1427.8	1534.9	1666.1	1826.2	2034.5	2315.1	2753.9
0°	1034.4	1141.7	1229.6	1322.3	1429.6	1536.9	1668.7	1829.7	2039.5	2322.5	2766.5
-2.5°	1033.2	1140.3	1228.4	1320.9	1427.8	1534.9	1666.1	1826.2	2034.5	2315.1	2753.9
-5°	1029.5	1136.3	1224.7	1316.6	1422.4	1529.1	1658.2	1815.7	2019.6	2293.2	2716.2
-7.5°	1023.5	1129.6	1218.6	1309.6	1413.5	1519.3	1645.1	1798.3	1994.8	2256.8	2653.9
-10°	1015.0	1120.2	1210.2	1299.8	1401.1	1505.7	1626.9	1774.1	1960.5	2206.3	2567.6
-12.5°	1004.1	1108.2	1199.3	1287.2	1385.2	1488.4	1603.7	1743.2	1916.8	2142.2	2458.2
-15°	990.9	1093.6	1186.2	1272.0	1365.9	1467.4	1575.7	1706.0	1864.2	2065.1	2326.9
-17.5°	975.5	1076.5	1170.7	1254.2	1343.4	1442.9	1543.0	1663.7	1809.1	1992.2	2228.4
-20°	957.7	1056.9	1153.1	1233.8	1318.3	1414.9	1511.5	1623.4	1755.9	1917.1	2119.1



REPORT NUMBER: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	937.8	1034.9	1131.5	1212.0	1293.5	1383.7	1477.7	1578.5	1696.6	1834.0	2008.9
-25°	916.3	1010.6	1104.8	1188.2	1266.1	1349.4	1440.6	1530.7	1638.6	1763.3	1911.4
-27.5°	893.3	984.0	1075.7	1162.2	1236.4	1313.5	1400.3	1487.3	1581.3	1688.3	1812.0
-30°	868.5	955.3	1044.3	1132.4	1205.6	1278.8	1357.0	1440.8	1523.2	1619.2	1726.5
-32.5°	841.8	924.6	1010.6	1095.8	1173.1	1241.8	1312.5	1391.4	1470.3	1549.9	1642.2
-35°	812.3	893.3	974.8	1056.9	1137.9	1204.0	1270.4	1339.3	1414.7	1488.2	1565.0
-37.5°	779.2	860.3	936.9	1015.8	1093.6	1164.9	1226.5	1289.8	1356.5	1426.4	1494.3
-40°	744.5	825.5	898.5	972.7	1047.1	1120.2	1182.7	1240.6	1299.6	1362.3	1426.4
-42.5°	708.1	785.6	858.9	927.7	998.7	1068.2	1136.3	1191.7	1245.5	1299.6	1356.5
-45°	670.0	744.0	816.9	883.1	948.3	1014.4	1078.9	1141.7	1191.7	1240.6	1289.8
-47.5°	630.5	700.8	770.0	836.9	897.7	958.7	1019.6	1078.9	1136.3	1182.7	1226.5
-50°	589.1	656.1	721.6	785.8	846.5	902.6	958.7	1014.4	1068.2	1120.2	1164.9
-52.5°	545.1	610.0	671.6	732.0	791.0	846.5	897.7	948.3	998.7	1047.1	1093.6
-55°	499.8	561.0	620.3	676.8	732.0	785.8	836.9	883.1	927.7	972.7	1015.8
-57.5°	455.7	510.4	566.4	620.3	671.6	721.6	770.0	816.9	858.9	898.5	936.9
-60°	412.1	460.6	510.4	561.0	610.0	656.1	700.8	744.0	785.6	825.5	860.3
-62.5°	368.3	412.1	455.7	499.8	545.1	589.1	630.5	670.0	708.1	744.5	779.2
-65°	327.0	364.0	402.5	441.3	479.1	518.7	557.5	594.8	629.5	662.5	694.0
-67.5°	285.0	318.4	350.9	383.4	417.4	450.4	482.3	515.8	548.0	578.9	607.9
-70°	247.8	273.0	301.1	329.4	356.9	384.3	412.6	439.9	466.1	491.8	517.9
-72.5°	211.2	233.2	254.8	275.8	299.5	322.8	345.3	367.0	389.0	410.8	431.6
-75°	176.6	193.3	211.6	229.6	247.1	264.1	280.8	299.4	317.2	334.1	350.3
-77.5°	143.5	157.5	171.1	184.4	197.6	211.7	225.3	238.4	251.0	263.0	274.4
-80°	111.0	121.5	132.4	143.0	153.3	163.2	172.9	182.1	191.0	200.0	209.1
-82.5°	79.8	87.6	95.3	102.7	109.9	116.9	123.7	130.7	137.3	143.6	149.6
-85°	49.5	53.6	58.7	63.7	68.5	73.1	77.6	81.9	86.1	90.0	93.7
-87.5°	24.8	26.8	28.8	30.8	32.7	34.5	36.3	38.0	39.6	41.1	42.6
-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: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	44.0	45.3	46.5	47.6	48.7	49.6	50.5	51.2	51.9	52.4	52.9
85°	97.2	100.6	103.7	106.5	109.2	111.6	113.7	115.7	117.3	118.8	119.9
82.5°	155.3	160.7	165.6	170.3	174.5	178.4	181.9	185.0	187.7	190.0	191.8
80°	217.7	225.8	233.3	240.3	246.8	252.6	257.9	262.6	266.7	270.2	273.0
77.5°	286.4	298.3	309.5	319.8	329.3	338.0	345.8	352.8	358.8	364.0	368.2
75°	365.6	380.4	395.1	408.8	421.5	433.0	443.3	452.6	460.6	467.4	473.0
72.5°	451.2	469.8	487.4	505.0	521.2	535.9	549.2	561.0	571.3	580.1	587.3
70°	542.5	565.7	587.4	607.3	625.2	641.4	656.1	669.2	680.6	690.2	698.2
67.5°	634.6	659.8	683.4	705.3	725.6	744.0	760.7	775.5	788.4	799.4	808.4
65°	723.8	752.0	778.3	802.9	825.5	844.4	861.4	876.6	889.8	901.1	910.4
62.5°	812.3	841.8	868.5	893.3	916.3	937.8	957.7	975.5	990.9	1004.1	1015.0
60°	893.3	924.6	955.3	984.0	1010.6	1034.9	1056.9	1076.5	1093.6	1108.2	1120.2
57.5°	974.8	1010.6	1044.3	1075.7	1104.8	1131.5	1153.1	1170.7	1186.2	1199.3	1210.2
55°	1056.9	1095.8	1132.4	1162.2	1188.2	1212.0	1233.8	1254.2	1272.0	1287.2	1299.8
52.5°	1137.9	1173.1	1205.6	1236.4	1266.1	1293.5	1318.3	1343.4	1365.9	1385.2	1401.1
50°	1204.0	1241.8	1278.8	1313.5	1349.4	1383.7	1414.9	1442.9	1467.4	1488.4	1505.7
47.5°	1270.4	1312.5	1357.0	1400.3	1440.6	1477.7	1511.5	1543.0	1575.7	1603.7	1626.9
45°	1339.3	1391.4	1440.8	1487.3	1530.7	1578.5	1623.4	1663.7	1706.0	1743.2	1774.1
42.5°	1414.7	1470.3	1523.2	1581.3	1638.6	1696.6	1755.9	1809.1	1864.2	1916.8	1960.5
40°	1488.2	1549.9	1619.2	1688.3	1763.3	1834.0	1917.1	1992.2	2065.1	2142.2	2206.3
37.5°	1565.0	1642.2	1726.5	1812.0	1911.4	2008.9	2119.1	2228.4	2326.9	2458.2	2567.6
35°	1650.0	1745.9	1845.4	1964.1	2088.9	2230.0	2381.4	2566.6	2731.3	2942.4	3137.4
32.5°	1745.9	1858.4	1990.8	2144.3	2305.7	2533.3	2752.7	3071.3	3363.5	3714.1	4092.5
30°	1845.4	1990.8	2162.9	2356.3	2626.2	2952.6	3339.0	3847.4	4411.0	5012.0	5812.8
27.5°	1964.1	2144.3	2356.3	2657.5	3058.6	3511.0	4249.5	5061.5	6245.9	7284.9	8928.5
25°	2088.9	2305.7	2626.2	3058.6	3609.6	4454.5	5679.2	7099.1	9348.3	11480.6	13914.3
22.5°	2230.0	2533.3	2952.6	3511.0	4454.5	5888.1	7751.5	10630.6	13865.0	17315.4	20557.8
20°	2381.4	2752.7	3339.0	4249.5	5679.2	7751.5	11065.5	15216.0	19552.8	24158.7	28280.9
17.5°	2566.6	3071.3	3847.4	5061.5	7099.1	10630.6	15216.0	20433.2	26025.6	31783.9	37030.0
15°	2731.3	3363.5	4411.0	6245.9	9348.3	13865.0	19552.8	26025.6	32985.5	40327.7	48073.8
12.5°	2942.4	3714.1	5012.0	7284.9	11480.6	17315.4	24158.7	31783.9	40327.7	49955.1	62205.4
10°	3137.4	4092.5	5812.8	8928.5	13914.3	20557.8	28280.9	37030.0	48073.8	62205.4	77296.8
7.5°	3291.7	4392.7	6450.1	10245.4	16064.1	23461.1	32125.4	42648.1	56339.7	73437.0	91536.7
5°	3403.3	4610.3	6913.5	11206.4	17639.8	25601.6	34981.7	46940.9	63453.5	83060.9	101192.1
2.5°	3470.9	4742.3	7195.1	11791.6	18602.4	26914.7	36744.2	49611.6	67932.6	89232.8	107571.5
0°	3493.5	4786.5	7289.5	11988.1	18926.3	27357.5	37340.3	50519.0	69464.8	91367.4	109820.4
-2.5°	3470.9	4742.3	7195.1	11791.6	18602.4	26914.7	36744.2	49611.6	67932.6	89232.8	107571.5
-5°	3403.3	4610.3	6913.5	11206.4	17639.8	25601.6	34981.7	46940.9	63453.5	83060.9	101192.1
-7.5°	3291.7	4392.7	6450.1	10245.4	16064.1	23461.1	32125.4	42648.1	56339.7	73437.0	91536.7
-10°	3137.4	4092.5	5812.8	8928.5	13914.3	20557.8	28280.9	37030.0	48073.8	62205.4	77296.8
-12.5°	2942.4	3714.1	5012.0	7284.9	11480.6	17315.4	24158.7	31783.9	40327.7	49955.1	62205.4
-15°	2731.3	3363.5	4411.0	6245.9	9348.3	13865.0	19552.8	26025.6	32985.5	40327.7	48073.8
-17.5°	2566.6	3071.3	3847.4	5061.5	7099.1	10630.6	15216.0	20433.2	26025.6	31783.9	37030.0
-20°	2381.4	2752.7	3339.0	4249.5	5679.2	7751.5	11065.5	15216.0	19552.8	24158.7	28280.9

Classified

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

Scaled Data Report



REPORT NUMBER: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2230.0	2533.3	2952.6	3511.0	4454.5	5888.1	7751.5	10630.6	13865.0	17315.4	20557.8
-25°	2088.9	2305.7	2626.2	3058.6	3609.6	4454.5	5679.2	7099.1	9348.3	11480.6	13914.3
-27.5°	1964.1	2144.3	2356.3	2657.5	3058.6	3511.0	4249.5	5061.5	6245.9	7284.9	8928.5
-30°	1845.4	1990.8	2162.9	2356.3	2626.2	2952.6	3339.0	3847.4	4411.0	5012.0	5812.8
-32.5°	1745.9	1858.4	1990.8	2144.3	2305.7	2533.3	2752.7	3071.3	3363.5	3714.1	4092.5
-35°	1650.0	1745.9	1845.4	1964.1	2088.9	2230.0	2381.4	2566.6	2731.3	2942.4	3137.4
-37.5°	1565.0	1642.2	1726.5	1812.0	1911.4	2008.9	2119.1	2228.4	2326.9	2458.2	2567.6
-40°	1488.2	1549.9	1619.2	1688.3	1763.3	1834.0	1917.1	1992.2	2065.1	2142.2	2206.3
-42.5°	1414.7	1470.3	1523.2	1581.3	1638.6	1696.6	1755.9	1809.1	1864.2	1916.8	1960.5
-45°	1339.3	1391.4	1440.8	1487.3	1530.7	1578.5	1623.4	1663.7	1706.0	1743.2	1774.1
-47.5°	1270.4	1312.5	1357.0	1400.3	1440.6	1477.7	1511.5	1543.0	1575.7	1603.7	1626.9
-50°	1204.0	1241.8	1278.8	1313.5	1349.4	1383.7	1414.9	1442.9	1467.4	1488.4	1505.7
-52.5°	1137.9	1173.1	1205.6	1236.4	1266.1	1293.5	1318.3	1343.4	1365.9	1385.2	1401.1
-55°	1056.9	1095.8	1132.4	1162.2	1188.2	1212.0	1233.8	1254.2	1272.0	1287.2	1299.8
-57.5°	974.8	1010.6	1044.3	1075.7	1104.8	1131.5	1153.1	1170.7	1186.2	1199.3	1210.2
-60°	893.3	924.6	955.3	984.0	1010.6	1034.9	1056.9	1076.5	1093.6	1108.2	1120.2
-62.5°	812.3	841.8	868.5	893.3	916.3	937.8	957.7	975.5	990.9	1004.1	1015.0
-65°	723.8	752.0	778.3	802.9	825.5	844.4	861.4	876.6	889.8	901.1	910.4
-67.5°	634.6	659.8	683.4	705.3	725.6	744.0	760.7	775.5	788.4	799.4	808.4
-70°	542.5	565.7	587.4	607.3	625.2	641.4	656.1	669.2	680.6	690.2	698.2
-72.5°	451.2	469.8	487.4	505.0	521.2	535.9	549.2	561.0	571.3	580.1	587.3
-75°	365.6	380.4	395.1	408.8	421.5	433.0	443.3	452.6	460.6	467.4	473.0
-77.5°	286.4	298.3	309.5	319.8	329.3	338.0	345.8	352.8	358.8	364.0	368.2
-80°	217.7	225.8	233.3	240.3	246.8	252.6	257.9	262.6	266.7	270.2	273.0
-82.5°	155.3	160.7	165.6	170.3	174.5	178.4	181.9	185.0	187.7	190.0	191.8
-85°	97.2	100.6	103.7	106.5	109.2	111.6	113.7	115.7	117.3	118.8	119.9
-87.5°	44.0	45.3	46.5	47.6	48.7	49.6	50.5	51.2	51.9	52.4	52.9
-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: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	53.2	53.5	53.6	53.7	53.6	53.5	53.2	52.9	52.4	51.9	51.2
85°	120.8	121.5	121.9	122.0	121.9	121.5	120.8	119.9	118.8	117.3	115.7
82.5°	193.3	194.4	195.0	195.2	195.0	194.4	193.3	191.8	190.0	187.7	185.0
80°	275.2	276.8	277.8	278.1	277.8	276.8	275.2	273.0	270.2	266.7	262.6
77.5°	371.5	373.8	375.2	375.7	375.2	373.8	371.5	368.2	364.0	358.8	352.8
75°	477.4	480.5	482.4	483.0	482.4	480.5	477.4	473.0	467.4	460.6	452.6
72.5°	592.9	596.9	599.3	600.1	599.3	596.9	592.9	587.3	580.1	571.3	561.0
70°	704.4	708.8	711.5	712.4	711.5	708.8	704.4	698.2	690.2	680.6	669.2
67.5°	815.5	820.5	823.6	824.6	823.6	820.5	815.5	808.4	799.4	788.4	775.5
65°	917.6	922.8	926.0	927.0	926.0	922.8	917.6	910.4	901.1	889.8	876.6
62.5°	1023.5	1029.5	1033.2	1034.4	1033.2	1029.5	1023.5	1015.0	1004.1	990.9	975.5
60°	1129.6	1136.3	1140.3	1141.7	1140.3	1136.3	1129.6	1120.2	1108.2	1093.6	1076.5
57.5°	1218.6	1224.7	1228.4	1229.6	1228.4	1224.7	1218.6	1210.2	1199.3	1186.2	1170.7
55°	1309.6	1316.6	1320.9	1322.3	1320.9	1316.6	1309.6	1299.8	1287.2	1272.0	1254.2
52.5°	1413.5	1422.4	1427.8	1429.6	1427.8	1422.4	1413.5	1401.1	1385.2	1365.9	1343.4
50°	1519.3	1529.1	1534.9	1536.9	1534.9	1529.1	1519.3	1505.7	1488.4	1467.4	1442.9
47.5°	1645.1	1658.2	1666.1	1668.7	1666.1	1658.2	1645.1	1626.9	1603.7	1575.7	1543.0
45°	1798.3	1815.7	1826.2	1829.7	1826.2	1815.7	1798.3	1774.1	1743.2	1706.0	1663.7
42.5°	1994.8	2019.6	2034.5	2039.5	2034.5	2019.6	1994.8	1960.5	1916.8	1864.2	1809.1
40°	2256.8	2293.2	2315.1	2322.5	2315.1	2293.2	2256.8	2206.3	2142.2	2065.1	1992.2
37.5°	2653.9	2716.2	2753.9	2766.5	2753.9	2716.2	2653.9	2567.6	2458.2	2326.9	2228.4
35°	3291.7	3403.3	3470.9	3493.5	3470.9	3403.3	3291.7	3137.4	2942.4	2731.3	2566.6
32.5°	4392.7	4610.3	4742.3	4786.5	4742.3	4610.3	4392.7	4092.5	3714.1	3363.5	3071.3
30°	6450.1	6913.5	7195.1	7289.5	7195.1	6913.5	6450.1	5812.8	5012.0	4411.0	3847.4
27.5°	10245.4	11206.4	11791.6	11988.1	11791.6	11206.4	10245.4	8928.5	7284.9	6245.9	5061.5
25°	16064.1	17639.8	18602.4	18926.3	18602.4	17639.8	16064.1	13914.3	11480.6	9348.3	7099.1
22.5°	23461.1	25601.6	26914.7	27357.5	26914.7	25601.6	23461.1	20557.8	17315.4	13865.0	10630.6
20°	32125.4	34981.7	36744.2	37340.3	36744.2	34981.7	32125.4	28280.9	24158.7	19552.8	15216.0
17.5°	42648.1	46940.9	49611.6	50519.0	49611.6	46940.9	42648.1	37030.0	31783.9	26025.6	20433.2
15°	56339.7	63453.5	67932.6	69464.8	67932.6	63453.5	56339.7	48073.8	40327.7	32985.5	26025.6
12.5°	73437.0	83060.9	89232.8	91367.4	89232.8	83060.9	73437.0	62205.4	49955.1	40327.7	31783.9
10°	91536.7	101192.1	107571.5	109820.4	107571.5	101192.1	91536.7	77296.8	62205.4	48073.8	37030.0
7.5°	105455.1	116019.0	122893.8	125409.4	122893.8	116019.0	105455.1	91536.7	73437.0	56339.7	42648.1
5°	116019.0	127756.8	135760.5	138949.1	135760.5	127756.8	116019.0	101192.1	83060.9	63453.5	46940.9
2.5°	122893.8	135760.5	144250.2	147995.1	144250.2	135760.5	122893.8	107571.5	89232.8	67932.6	49611.6
0°	125409.4	138949.1	147995.1	151322.7	147995.1	138949.1	125409.4	109820.4	91367.4	69464.8	50519.0
-2.5°	122893.8	135760.5	144250.2	147995.1	144250.2	135760.5	122893.8	107571.5	89232.8	67932.6	49611.6
-5°	116019.0	127756.8	135760.5	138949.1	135760.5	127756.8	116019.0	101192.1	83060.9	63453.5	46940.9
-7.5°	105455.1	116019.0	122893.8	125409.4	122893.8	116019.0	105455.1	91536.7	73437.0	56339.7	42648.1
-10°	91536.7	101192.1	107571.5	109820.4	107571.5	101192.1	91536.7	77296.8	62205.4	48073.8	37030.0
-12.5°	73437.0	83060.9	89232.8	91367.4	89232.8	83060.9	73437.0	62205.4	49955.1	40327.7	31783.9
-15°	56339.7	63453.5	67932.6	69464.8	67932.6	63453.5	56339.7	48073.8	40327.7	32985.5	26025.6
-17.5°	42648.1	46940.9	49611.6	50519.0	49611.6	46940.9	42648.1	37030.0	31783.9	26025.6	20433.2
-20°	32125.4	34981.7	36744.2	37340.3	36744.2	34981.7	32125.4	28280.9	24158.7	19552.8	15216.0



REPORT NUMBER: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23461.1	25601.6	26914.7	27357.5	26914.7	25601.6	23461.1	20557.8	17315.4	13865.0	10630.6
-25°	16064.1	17639.8	18602.4	18926.3	18602.4	17639.8	16064.1	13914.3	11480.6	9348.3	7099.1
-27.5°	10245.4	11206.4	11791.6	11988.1	11791.6	11206.4	10245.4	8928.5	7284.9	6245.9	5061.5
-30°	6450.1	6913.5	7195.1	7289.5	7195.1	6913.5	6450.1	5812.8	5012.0	4411.0	3847.4
-32.5°	4392.7	4610.3	4742.3	4786.5	4742.3	4610.3	4392.7	4092.5	3714.1	3363.5	3071.3
-35°	3291.7	3403.3	3470.9	3493.5	3470.9	3403.3	3291.7	3137.4	2942.4	2731.3	2566.6
-37.5°	2653.9	2716.2	2753.9	2766.5	2753.9	2716.2	2653.9	2567.6	2458.2	2326.9	2228.4
-40°	2256.8	2293.2	2315.1	2322.5	2315.1	2293.2	2256.8	2206.3	2142.2	2065.1	1992.2
-42.5°	1994.8	2019.6	2034.5	2039.5	2034.5	2019.6	1994.8	1960.5	1916.8	1864.2	1809.1
-45°	1798.3	1815.7	1826.2	1829.7	1826.2	1815.7	1798.3	1774.1	1743.2	1706.0	1663.7
-47.5°	1645.1	1658.2	1666.1	1668.7	1666.1	1658.2	1645.1	1626.9	1603.7	1575.7	1543.0
-50°	1519.3	1529.1	1534.9	1536.9	1534.9	1529.1	1519.3	1505.7	1488.4	1467.4	1442.9
-52.5°	1413.5	1422.4	1427.8	1429.6	1427.8	1422.4	1413.5	1401.1	1385.2	1365.9	1343.4
-55°	1309.6	1316.6	1320.9	1322.3	1320.9	1316.6	1309.6	1299.8	1287.2	1272.0	1254.2
-57.5°	1218.6	1224.7	1228.4	1229.6	1228.4	1224.7	1218.6	1210.2	1199.3	1186.2	1170.7
-60°	1129.6	1136.3	1140.3	1141.7	1140.3	1136.3	1129.6	1120.2	1108.2	1093.6	1076.5
-62.5°	1023.5	1029.5	1033.2	1034.4	1033.2	1029.5	1023.5	1015.0	1004.1	990.9	975.5
-65°	917.6	922.8	926.0	927.0	926.0	922.8	917.6	910.4	901.1	889.8	876.6
-67.5°	815.5	820.5	823.6	824.6	823.6	820.5	815.5	808.4	799.4	788.4	775.5
-70°	704.4	708.8	711.5	712.4	711.5	708.8	704.4	698.2	690.2	680.6	669.2
-72.5°	592.9	596.9	599.3	600.1	599.3	596.9	592.9	587.3	580.1	571.3	561.0
-75°	477.4	480.5	482.4	483.0	482.4	480.5	477.4	473.0	467.4	460.6	452.6
-77.5°	371.5	373.8	375.2	375.7	375.2	373.8	371.5	368.2	364.0	358.8	352.8
-80°	275.2	276.8	277.8	278.1	277.8	276.8	275.2	273.0	270.2	266.7	262.6
-82.5°	193.3	194.4	195.0	195.2	195.0	194.4	193.3	191.8	190.0	187.7	185.0
-85°	120.8	121.5	121.9	122.0	121.9	121.5	120.8	119.9	118.8	117.3	115.7
-87.5°	53.2	53.5	53.6	53.7	53.6	53.5	53.2	52.9	52.4	51.9	51.2
-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: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	50.5	49.6	48.7	47.6	46.5	45.3	44.0	42.6	41.1	39.6	38.0
85°	113.7	111.6	109.2	106.5	103.7	100.6	97.2	93.7	90.0	86.1	81.9
82.5°	181.9	178.4	174.5	170.3	165.6	160.7	155.3	149.6	143.6	137.3	130.7
80°	257.9	252.6	246.8	240.3	233.3	225.8	217.7	209.1	200.0	191.0	182.1
77.5°	345.8	338.0	329.3	319.8	309.5	298.3	286.4	274.4	263.0	251.0	238.4
75°	443.3	433.0	421.5	408.8	395.1	380.4	365.6	350.3	334.1	317.2	299.4
72.5°	549.2	535.9	521.2	505.0	487.4	469.8	451.2	431.6	410.8	389.0	367.0
70°	656.1	641.4	625.2	607.3	587.4	565.7	542.5	517.9	491.8	466.1	439.9
67.5°	760.7	744.0	725.6	705.3	683.4	659.8	634.6	607.9	578.9	548.0	515.8
65°	861.4	844.4	825.5	802.9	778.3	752.0	723.8	694.0	662.5	629.5	594.8
62.5°	957.7	937.8	916.3	893.3	868.5	841.8	812.3	779.2	744.5	708.1	670.0
60°	1056.9	1034.9	1010.6	984.0	955.3	924.6	893.3	860.3	825.5	785.6	744.0
57.5°	1153.1	1131.5	1104.8	1075.7	1044.3	1010.6	974.8	936.9	898.5	858.9	816.9
55°	1233.8	1212.0	1188.2	1162.2	1132.4	1095.8	1056.9	1015.8	972.7	927.7	883.1
52.5°	1318.3	1293.5	1266.1	1236.4	1205.6	1173.1	1137.9	1093.6	1047.1	998.7	948.3
50°	1414.9	1383.7	1349.4	1313.5	1278.8	1241.8	1204.0	1164.9	1120.2	1068.2	1014.4
47.5°	1511.5	1477.7	1440.6	1400.3	1357.0	1312.5	1270.4	1226.5	1182.7	1136.3	1078.9
45°	1623.4	1578.5	1530.7	1487.3	1440.8	1391.4	1339.3	1289.8	1240.6	1191.7	1141.7
42.5°	1755.9	1696.6	1638.6	1581.3	1523.2	1470.3	1414.7	1356.5	1299.6	1245.5	1191.7
40°	1917.1	1834.0	1763.3	1688.3	1619.2	1549.9	1488.2	1426.4	1362.3	1299.6	1240.6
37.5°	2119.1	2008.9	1911.4	1812.0	1726.5	1642.2	1565.0	1494.3	1426.4	1356.5	1289.8
35°	2381.4	2230.0	2088.9	1964.1	1845.4	1745.9	1650.0	1565.0	1488.2	1414.7	1339.3
32.5°	2752.7	2533.3	2305.7	2144.3	1990.8	1858.4	1745.9	1642.2	1549.9	1470.3	1391.4
30°	3339.0	2952.6	2626.2	2356.3	2162.9	1990.8	1845.4	1726.5	1619.2	1523.2	1440.8
27.5°	4249.5	3511.0	3058.6	2657.5	2356.3	2144.3	1964.1	1812.0	1688.3	1581.3	1487.3
25°	5679.2	4454.5	3609.6	3058.6	2626.2	2305.7	2088.9	1911.4	1763.3	1638.6	1530.7
22.5°	7751.5	5888.1	4454.5	3511.0	2952.6	2533.3	2230.0	2008.9	1834.0	1696.6	1578.5
20°	11065.5	7751.5	5679.2	4249.5	3339.0	2752.7	2381.4	2119.1	1917.1	1755.9	1623.4
17.5°	15216.0	10630.6	7099.1	5061.5	3847.4	3071.3	2566.6	2228.4	1992.2	1809.1	1663.7
15°	19552.8	13865.0	9348.3	6245.9	4411.0	3363.5	2731.3	2326.9	2065.1	1864.2	1706.0
12.5°	24158.7	17315.4	11480.6	7284.9	5012.0	3714.1	2942.4	2458.2	2142.2	1916.8	1743.2
10°	28280.9	20557.8	13914.3	8928.5	5812.8	4092.5	3137.4	2567.6	2206.3	1960.5	1774.1
7.5°	32125.4	23461.1	16064.1	10245.4	6450.1	4392.7	3291.7	2653.9	2256.8	1994.8	1798.3
5°	34981.7	25601.6	17639.8	11206.4	6913.5	4610.3	3403.3	2716.2	2293.2	2019.6	1815.7
2.5°	36744.2	26914.7	18602.4	11791.6	7195.1	4742.3	3470.9	2753.9	2315.1	2034.5	1826.2
0°	37340.3	27357.5	18926.3	11988.1	7289.5	4786.5	3493.5	2766.5	2322.5	2039.5	1829.7
-2.5°	36744.2	26914.7	18602.4	11791.6	7195.1	4742.3	3470.9	2753.9	2315.1	2034.5	1826.2
-5°	34981.7	25601.6	17639.8	11206.4	6913.5	4610.3	3403.3	2716.2	2293.2	2019.6	1815.7
-7.5°	32125.4	23461.1	16064.1	10245.4	6450.1	4392.7	3291.7	2653.9	2256.8	1994.8	1798.3
-10°	28280.9	20557.8	13914.3	8928.5	5812.8	4092.5	3137.4	2567.6	2206.3	1960.5	1774.1
-12.5°	24158.7	17315.4	11480.6	7284.9	5012.0	3714.1	2942.4	2458.2	2142.2	1916.8	1743.2
-15°	19552.8	13865.0	9348.3	6245.9	4411.0	3363.5	2731.3	2326.9	2065.1	1864.2	1706.0
-17.5°	15216.0	10630.6	7099.1	5061.5	3847.4	3071.3	2566.6	2228.4	1992.2	1809.1	1663.7
-20°	11065.5	7751.5	5679.2	4249.5	3339.0	2752.7	2381.4	2119.1	1917.1	1755.9	1623.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7751.5	5888.1	4454.5	3511.0	2952.6	2533.3	2230.0	2008.9	1834.0	1696.6	1578.5
-25°	5679.2	4454.5	3609.6	3058.6	2626.2	2305.7	2088.9	1911.4	1763.3	1638.6	1530.7
-27.5°	4249.5	3511.0	3058.6	2657.5	2356.3	2144.3	1964.1	1812.0	1688.3	1581.3	1487.3
-30°	3339.0	2952.6	2626.2	2356.3	2162.9	1990.8	1845.4	1726.5	1619.2	1523.2	1440.8
-32.5°	2752.7	2533.3	2305.7	2144.3	1990.8	1858.4	1745.9	1642.2	1549.9	1470.3	1391.4
-35°	2381.4	2230.0	2088.9	1964.1	1845.4	1745.9	1650.0	1565.0	1488.2	1414.7	1339.3
-37.5°	2119.1	2008.9	1911.4	1812.0	1726.5	1642.2	1565.0	1494.3	1426.4	1356.5	1289.8
-40°	1917.1	1834.0	1763.3	1688.3	1619.2	1549.9	1488.2	1426.4	1362.3	1299.6	1240.6
-42.5°	1755.9	1696.6	1638.6	1581.3	1523.2	1470.3	1414.7	1356.5	1299.6	1245.5	1191.7
-45°	1623.4	1578.5	1530.7	1487.3	1440.8	1391.4	1339.3	1289.8	1240.6	1191.7	1141.7
-47.5°	1511.5	1477.7	1440.6	1400.3	1357.0	1312.5	1270.4	1226.5	1182.7	1136.3	1078.9
-50°	1414.9	1383.7	1349.4	1313.5	1278.8	1241.8	1204.0	1164.9	1120.2	1068.2	1014.4
-52.5°	1318.3	1293.5	1266.1	1236.4	1205.6	1173.1	1137.9	1093.6	1047.1	998.7	948.3
-55°	1233.8	1212.0	1188.2	1162.2	1132.4	1095.8	1056.9	1015.8	972.7	927.7	883.1
-57.5°	1153.1	1131.5	1104.8	1075.7	1044.3	1010.6	974.8	936.9	898.5	858.9	816.9
-60°	1056.9	1034.9	1010.6	984.0	955.3	924.6	893.3	860.3	825.5	785.6	744.0
-62.5°	957.7	937.8	916.3	893.3	868.5	841.8	812.3	779.2	744.5	708.1	670.0
-65°	861.4	844.4	825.5	802.9	778.3	752.0	723.8	694.0	662.5	629.5	594.8
-67.5°	760.7	744.0	725.6	705.3	683.4	659.8	634.6	607.9	578.9	548.0	515.8
-70°	656.1	641.4	625.2	607.3	587.4	565.7	542.5	517.9	491.8	466.1	439.9
-72.5°	549.2	535.9	521.2	505.0	487.4	469.8	451.2	431.6	410.8	389.0	367.0
-75°	443.3	433.0	421.5	408.8	395.1	380.4	365.6	350.3	334.1	317.2	299.4
-77.5°	345.8	338.0	329.3	319.8	309.5	298.3	286.4	274.4	263.0	251.0	238.4
-80°	257.9	252.6	246.8	240.3	233.3	225.8	217.7	209.1	200.0	191.0	182.1
-82.5°	181.9	178.4	174.5	170.3	165.6	160.7	155.3	149.6	143.6	137.3	130.7
-85°	113.7	111.6	109.2	106.5	103.7	100.6	97.2	93.7	90.0	86.1	81.9
-87.5°	50.5	49.6	48.7	47.6	46.5	45.3	44.0	42.6	41.1	39.6	38.0
-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: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.3	34.5	32.7	30.8	28.8	26.8	24.8	22.7	20.5	18.4	16.1
85°	77.6	73.1	68.5	63.7	58.7	53.6	49.5	45.3	41.1	36.7	32.3
82.5°	123.7	116.9	109.9	102.7	95.3	87.6	79.8	71.8	63.6	55.3	48.3
80°	172.9	163.2	153.3	143.0	132.4	121.5	111.0	100.4	89.5	78.4	67.2
77.5°	225.3	211.7	197.6	184.4	171.1	157.5	143.5	129.3	115.2	101.4	87.4
75°	280.8	264.1	247.1	229.6	211.6	193.3	176.6	159.5	142.0	124.3	107.3
72.5°	345.3	322.8	299.5	275.8	254.8	233.2	211.2	189.4	169.1	148.4	127.5
70°	412.6	384.3	356.9	329.4	301.1	273.0	247.8	222.1	195.9	172.3	148.4
67.5°	482.3	450.4	417.4	383.4	350.9	318.4	285.0	255.1	225.7	195.9	169.1
65°	557.5	518.7	479.1	441.3	402.5	364.0	327.0	289.4	255.1	222.1	189.4
62.5°	630.5	589.1	545.1	499.8	455.7	412.1	368.3	327.0	285.0	247.8	211.2
60°	700.8	656.1	610.0	561.0	510.4	460.6	412.1	364.0	318.4	273.0	233.2
57.5°	770.0	721.6	671.6	620.3	566.4	510.4	455.7	402.5	350.9	301.1	254.8
55°	836.9	785.8	732.0	676.8	620.3	561.0	499.8	441.3	383.4	329.4	275.8
52.5°	897.7	846.5	791.0	732.0	671.6	610.0	545.1	479.1	417.4	356.9	299.5
50°	958.7	902.6	846.5	785.8	721.6	656.1	589.1	518.7	450.4	384.3	322.8
47.5°	1019.6	958.7	897.7	836.9	770.0	700.8	630.5	557.5	482.3	412.6	345.3
45°	1078.9	1014.4	948.3	883.1	816.9	744.0	670.0	594.8	515.8	439.9	367.0
42.5°	1136.3	1068.2	998.7	927.7	858.9	785.6	708.1	629.5	548.0	466.1	389.0
40°	1182.7	1120.2	1047.1	972.7	898.5	825.5	744.5	662.5	578.9	491.8	410.8
37.5°	1226.5	1164.9	1093.6	1015.8	936.9	860.3	779.2	694.0	607.9	517.9	431.6
35°	1270.4	1204.0	1137.9	1056.9	974.8	893.3	812.3	723.8	634.6	542.5	451.2
32.5°	1312.5	1241.8	1173.1	1095.8	1010.6	924.6	841.8	752.0	659.8	565.7	469.8
30°	1357.0	1278.8	1205.6	1132.4	1044.3	955.3	868.5	778.3	683.4	587.4	487.4
27.5°	1400.3	1313.5	1236.4	1162.2	1075.7	984.0	893.3	802.9	705.3	607.3	505.0
25°	1440.6	1349.4	1266.1	1188.2	1104.8	1010.6	916.3	825.5	725.6	625.2	521.2
22.5°	1477.7	1383.7	1293.5	1212.0	1131.5	1034.9	937.8	844.4	744.0	641.4	535.9
20°	1511.5	1414.9	1318.3	1233.8	1153.1	1056.9	957.7	861.4	760.7	656.1	549.2
17.5°	1543.0	1442.9	1343.4	1254.2	1170.7	1076.5	975.5	876.6	775.5	669.2	561.0
15°	1575.7	1467.4	1365.9	1272.0	1186.2	1093.6	990.9	889.8	788.4	680.6	571.3
12.5°	1603.7	1488.4	1385.2	1287.2	1199.3	1108.2	1004.1	901.1	799.4	690.2	580.1
10°	1626.9	1505.7	1401.1	1299.8	1210.2	1120.2	1015.0	910.4	808.4	698.2	587.3
7.5°	1645.1	1519.3	1413.5	1309.6	1218.6	1129.6	1023.5	917.6	815.5	704.4	592.9
5°	1658.2	1529.1	1422.4	1316.6	1224.7	1136.3	1029.5	922.8	820.5	708.8	596.9
2.5°	1666.1	1534.9	1427.8	1320.9	1228.4	1140.3	1033.2	926.0	823.6	711.5	599.3
0°	1668.7	1536.9	1429.6	1322.3	1229.6	1141.7	1034.4	927.0	824.6	712.4	600.1
-2.5°	1666.1	1534.9	1427.8	1320.9	1228.4	1140.3	1033.2	926.0	823.6	711.5	599.3
-5°	1658.2	1529.1	1422.4	1316.6	1224.7	1136.3	1029.5	922.8	820.5	708.8	596.9
-7.5°	1645.1	1519.3	1413.5	1309.6	1218.6	1129.6	1023.5	917.6	815.5	704.4	592.9
-10°	1626.9	1505.7	1401.1	1299.8	1210.2	1120.2	1015.0	910.4	808.4	698.2	587.3
-12.5°	1603.7	1488.4	1385.2	1287.2	1199.3	1108.2	1004.1	901.1	799.4	690.2	580.1
-15°	1575.7	1467.4	1365.9	1272.0	1186.2	1093.6	990.9	889.8	788.4	680.6	571.3
-17.5°	1543.0	1442.9	1343.4	1254.2	1170.7	1076.5	975.5	876.6	775.5	669.2	561.0
-20°	1511.5	1414.9	1318.3	1233.8	1153.1	1056.9	957.7	861.4	760.7	656.1	549.2

Classified

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

Scaled Data Report



REPORT NUMBER: P624800 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1477.7	1383.7	1293.5	1212.0	1131.5	1034.9	937.8	844.4	744.0	641.4	535.9
-25°	1440.6	1349.4	1266.1	1188.2	1104.8	1010.6	916.3	825.5	725.6	625.2	521.2
-27.5°	1400.3	1313.5	1236.4	1162.2	1075.7	984.0	893.3	802.9	705.3	607.3	505.0
-30°	1357.0	1278.8	1205.6	1132.4	1044.3	955.3	868.5	778.3	683.4	587.4	487.4
-32.5°	1312.5	1241.8	1173.1	1095.8	1010.6	924.6	841.8	752.0	659.8	565.7	469.8
-35°	1270.4	1204.0	1137.9	1056.9	974.8	893.3	812.3	723.8	634.6	542.5	451.2
-37.5°	1226.5	1164.9	1093.6	1015.8	936.9	860.3	779.2	694.0	607.9	517.9	431.6
-40°	1182.7	1120.2	1047.1	972.7	898.5	825.5	744.5	662.5	578.9	491.8	410.8
-42.5°	1136.3	1068.2	998.7	927.7	858.9	785.6	708.1	629.5	548.0	466.1	389.0
-45°	1078.9	1014.4	948.3	883.1	816.9	744.0	670.0	594.8	515.8	439.9	367.0
-47.5°	1019.6	958.7	897.7	836.9	770.0	700.8	630.5	557.5	482.3	412.6	345.3
-50°	958.7	902.6	846.5	785.8	721.6	656.1	589.1	518.7	450.4	384.3	322.8
-52.5°	897.7	846.5	791.0	732.0	671.6	610.0	545.1	479.1	417.4	356.9	299.5
-55°	836.9	785.8	732.0	676.8	620.3	561.0	499.8	441.3	383.4	329.4	275.8
-57.5°	770.0	721.6	671.6	620.3	566.4	510.4	455.7	402.5	350.9	301.1	254.8
-60°	700.8	656.1	610.0	561.0	510.4	460.6	412.1	364.0	318.4	273.0	233.2
-62.5°	630.5	589.1	545.1	499.8	455.7	412.1	368.3	327.0	285.0	247.8	211.2
-65°	557.5	518.7	479.1	441.3	402.5	364.0	327.0	289.4	255.1	222.1	189.4
-67.5°	482.3	450.4	417.4	383.4	350.9	318.4	285.0	255.1	225.7	195.9	169.1
-70°	412.6	384.3	356.9	329.4	301.1	273.0	247.8	222.1	195.9	172.3	148.4
-72.5°	345.3	322.8	299.5	275.8	254.8	233.2	211.2	189.4	169.1	148.4	127.5
-75°	280.8	264.1	247.1	229.6	211.6	193.3	176.6	159.5	142.0	124.3	107.3
-77.5°	225.3	211.7	197.6	184.4	171.1	157.5	143.5	129.3	115.2	101.4	87.4
-80°	172.9	163.2	153.3	143.0	132.4	121.5	111.0	100.4	89.5	78.4	67.2
-82.5°	123.7	116.9	109.9	102.7	95.3	87.6	79.8	71.8	63.6	55.3	48.3
-85°	77.6	73.1	68.5	63.7	58.7	53.6	49.5	45.3	41.1	36.7	32.3
-87.5°	36.3	34.5	32.7	30.8	28.8	26.8	24.8	22.7	20.5	18.4	16.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	13.9	11.6	9.3	7.0	4.7	2.3	0.0
85°	27.8	23.2	18.6	14.0	9.3	4.7	0.0
82.5°	41.6	34.8	27.9	21.0	14.0	7.0	0.0
80°	55.8	46.3	37.1	27.9	18.6	9.3	0.0
77.5°	73.1	58.8	46.3	34.8	23.2	11.6	0.0
75°	90.3	73.1	55.8	41.6	27.8	13.9	0.0
72.5°	107.3	87.4	67.2	48.3	32.3	16.1	0.0
70°	124.3	101.4	78.4	55.3	36.7	18.4	0.0
67.5°	142.0	115.2	89.5	63.6	41.1	20.5	0.0
65°	159.5	129.3	100.4	71.8	45.3	22.7	0.0
62.5°	176.6	143.5	111.0	79.8	49.5	24.8	0.0
60°	193.3	157.5	121.5	87.6	53.6	26.8	0.0
57.5°	211.6	171.1	132.4	95.3	58.7	28.8	0.0
55°	229.6	184.4	143.0	102.7	63.7	30.8	0.0
52.5°	247.1	197.6	153.3	109.9	68.5	32.7	0.0
50°	264.1	211.7	163.2	116.9	73.1	34.5	0.0
47.5°	280.8	225.3	172.9	123.7	77.6	36.3	0.0
45°	299.4	238.4	182.1	130.7	81.9	38.0	0.0
42.5°	317.2	251.0	191.0	137.3	86.1	39.6	0.0
40°	334.1	263.0	200.0	143.6	90.0	41.1	0.0
37.5°	350.3	274.4	209.1	149.6	93.7	42.6	0.0
35°	365.6	286.4	217.7	155.3	97.2	44.0	0.0
32.5°	380.4	298.3	225.8	160.7	100.6	45.3	0.0
30°	395.1	309.5	233.3	165.6	103.7	46.5	0.0
27.5°	408.8	319.8	240.3	170.3	106.5	47.6	0.0
25°	421.5	329.3	246.8	174.5	109.2	48.7	0.0
22.5°	433.0	338.0	252.6	178.4	111.6	49.6	0.0
20°	443.3	345.8	257.9	181.9	113.7	50.5	0.0
17.5°	452.6	352.8	262.6	185.0	115.7	51.2	0.0
15°	460.6	358.8	266.7	187.7	117.3	51.9	0.0
12.5°	467.4	364.0	270.2	190.0	118.8	52.4	0.0
10°	473.0	368.2	273.0	191.8	119.9	52.9	0.0
7.5°	477.4	371.5	275.2	193.3	120.8	53.2	0.0
5°	480.5	373.8	276.8	194.4	121.5	53.5	0.0
2.5°	482.4	375.2	277.8	195.0	121.9	53.6	0.0
0°	483.0	375.7	278.1	195.2	122.0	53.7	0.0
-2.5°	482.4	375.2	277.8	195.0	121.9	53.6	0.0
-5°	480.5	373.8	276.8	194.4	121.5	53.5	0.0
-7.5°	477.4	371.5	275.2	193.3	120.8	53.2	0.0
-10°	473.0	368.2	273.0	191.8	119.9	52.9	0.0
-12.5°	467.4	364.0	270.2	190.0	118.8	52.4	0.0
-15°	460.6	358.8	266.7	187.7	117.3	51.9	0.0
-17.5°	452.6	352.8	262.6	185.0	115.7	51.2	0.0
-20°	443.3	345.8	257.9	181.9	113.7	50.5	0.0

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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-44

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	433.0	338.0	252.6	178.4	111.6	49.6	0.0
-25°	421.5	329.3	246.8	174.5	109.2	48.7	0.0
-27.5°	408.8	319.8	240.3	170.3	106.5	47.6	0.0
-30°	395.1	309.5	233.3	165.6	103.7	46.5	0.0
-32.5°	380.4	298.3	225.8	160.7	100.6	45.3	0.0
-35°	365.6	286.4	217.7	155.3	97.2	44.0	0.0
-37.5°	350.3	274.4	209.1	149.6	93.7	42.6	0.0
-40°	334.1	263.0	200.0	143.6	90.0	41.1	0.0
-42.5°	317.2	251.0	191.0	137.3	86.1	39.6	0.0
-45°	299.4	238.4	182.1	130.7	81.9	38.0	0.0
-47.5°	280.8	225.3	172.9	123.7	77.6	36.3	0.0
-50°	264.1	211.7	163.2	116.9	73.1	34.5	0.0
-52.5°	247.1	197.6	153.3	109.9	68.5	32.7	0.0
-55°	229.6	184.4	143.0	102.7	63.7	30.8	0.0
-57.5°	211.6	171.1	132.4	95.3	58.7	28.8	0.0
-60°	193.3	157.5	121.5	87.6	53.6	26.8	0.0
-62.5°	176.6	143.5	111.0	79.8	49.5	24.8	0.0
-65°	159.5	129.3	100.4	71.8	45.3	22.7	0.0
-67.5°	142.0	115.2	89.5	63.6	41.1	20.5	0.0
-70°	124.3	101.4	78.4	55.3	36.7	18.4	0.0
-72.5°	107.3	87.4	67.2	48.3	32.3	16.1	0.0
-75°	90.3	73.1	55.8	41.6	27.8	13.9	0.0
-77.5°	73.1	58.8	46.3	34.8	23.2	11.6	0.0
-80°	55.8	46.3	37.1	27.9	18.6	9.3	0.0
-82.5°	41.6	34.8	27.9	21.0	14.0	7.0	0.0
-85°	27.8	23.2	18.6	14.0	9.3	4.7	0.0
-87.5°	13.9	11.6	9.3	7.0	4.7	2.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)