

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: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-5700K-33**

Issue Date: 11/8/2022



Test Information

Test Method: LM-79-08
Report Number: P624799 (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-08-E-PRO-5700K-33
Description: EPHESUS LUMAVISION CCT TUNING FLOOD
3000K AND TYPE 33 OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

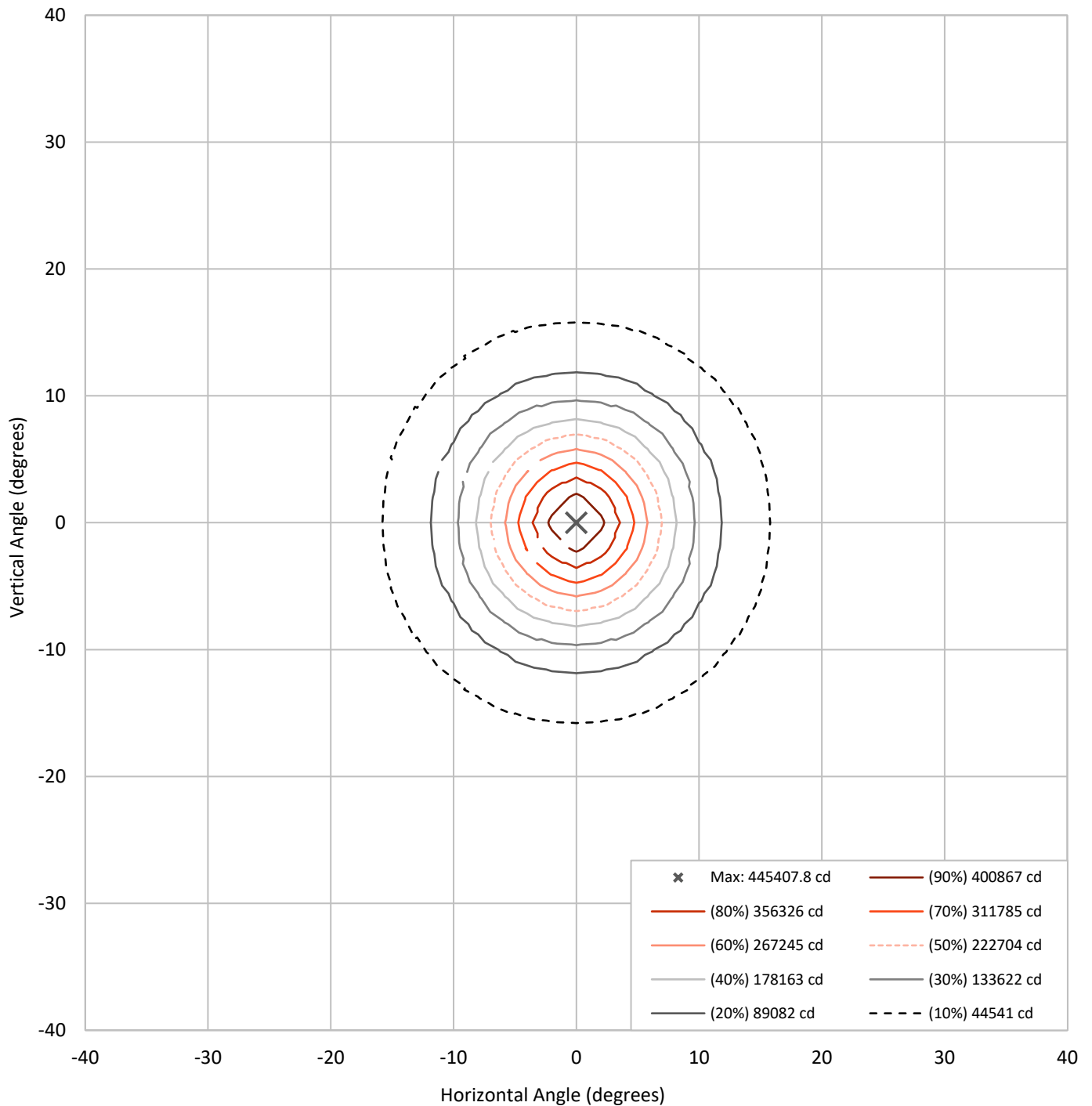
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	47861.1 lumens	Max Intensity:	445407.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	13.8°H x 13.8°V	Field Angle (10%):	31.4°H x 31.4°V
Beam Lumens:	13956.1 lumens	Field Lumens:	32495.8 lumens
Beam Efficiency:	29.2%	Field Efficiency:	67.9%
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-33

Iso-Candela Plot





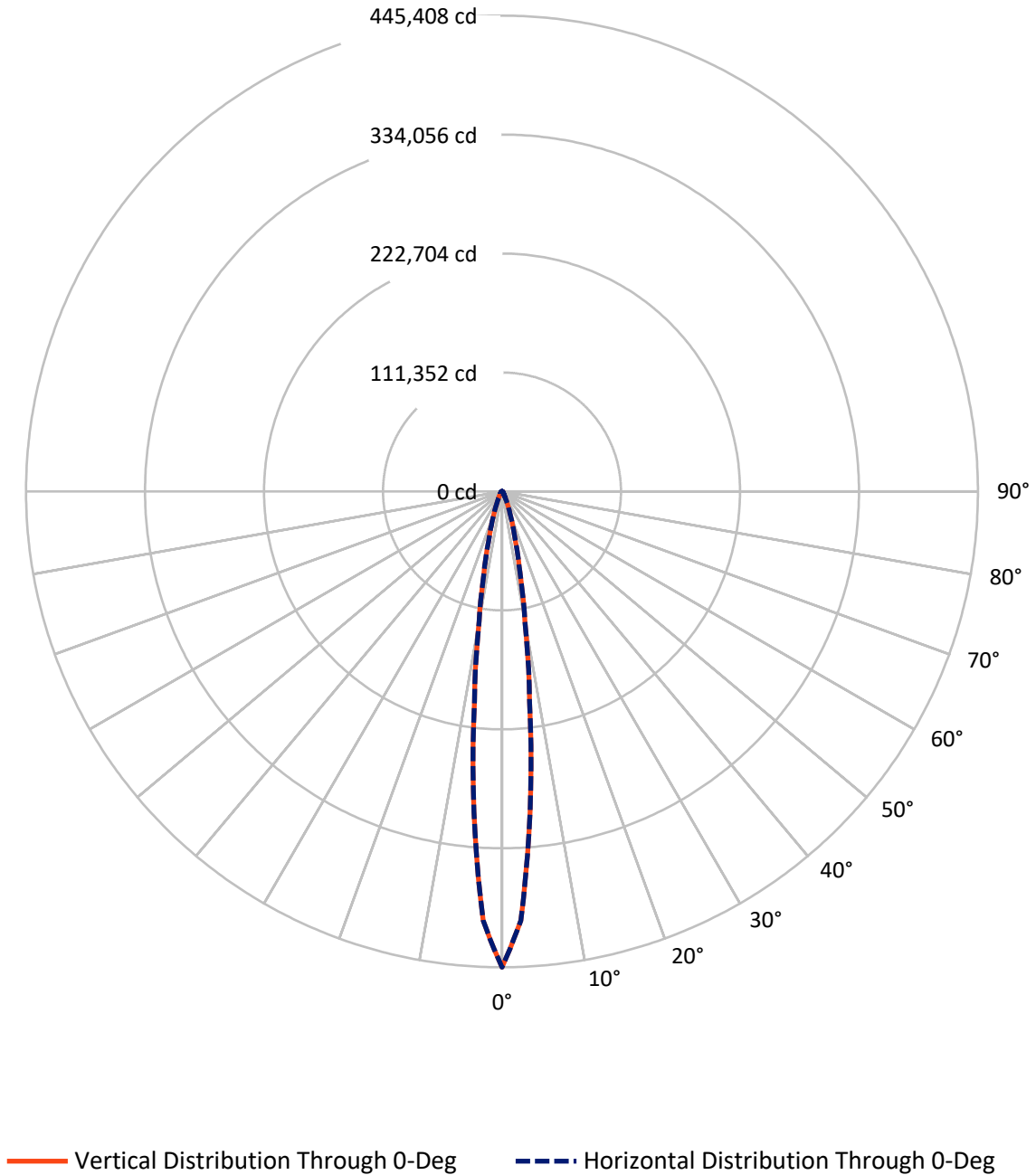
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Lumen Table

90	0.8	6.2	16.4	26.8	31.0	26.8	16.4	6.2	0.8							
80	0.8	6.2	16.4	26.8	31.0	26.8	16.4	6.2	0.8							
70	2.8	3.1	6.6	11.0	15.6	19.7	22.7	24.4	24.4	22.7	19.7	15.6	11.0	6.6	3.1	2.8
60		4.9	10.3	16.6	22.9	28.5	32.8	35.1	35.1	32.8	28.5	22.9	16.6	10.3	4.9	
50	5.1	6.7	13.5	21.3	29.4	37.8	45.7	50.6	50.6	45.7	37.8	29.4	21.3	13.5	6.7	5.1
40		8.2	16.1	25.4	37.2	53.3	72.9	89.4	89.4	72.9	53.3	37.2	25.4	16.1	8.2	
30	6.9	9.3	18.1	29.6	48.3	85.3	174.1	297.8	297.8	174.1	85.3	48.3	29.6	18.1	9.3	6.9
20		10.1	19.6	33.6	62.1	164.1	589.8	1465.4	1465.4	589.8	164.1	62.1	33.6	19.6	10.1	
10	7.5	10.5	20.3	36.1	74.1	273.4	1427.8	6270.2	6270.2	1427.8	273.4	74.1	36.1	20.3	10.5	7.5
0		10.5	20.3	36.1	74.1	273.4	1427.8	6270.2	6270.2	1427.8	273.4	74.1	36.1	20.3	10.5	
-10	6.9	10.1	19.6	33.6	62.1	164.1	589.8	1465.4	1465.4	589.8	164.1	62.1	33.6	19.6	10.1	6.9
-20		9.3	18.1	29.6	48.3	85.3	174.1	297.8	297.8	174.1	85.3	48.3	29.6	18.1	9.3	
-30	5.1	8.2	16.1	25.4	37.2	53.3	72.9	89.4	89.4	72.9	53.3	37.2	25.4	16.1	8.2	5.1
-40		6.7	13.5	21.3	29.4	37.8	45.7	50.6	50.6	45.7	37.8	29.4	21.3	13.5	6.7	
-50	2.8	4.9	10.3	16.6	22.9	28.5	32.8	35.1	35.1	32.8	28.5	22.9	16.6	10.3	4.9	2.8
-60		3.1	6.6	11.0	15.6	19.7	22.7	24.4	24.4	22.7	19.7	15.6	11.0	6.6	3.1	
-70	0.8	6.2	16.4	26.8	31.0	26.8	16.4	6.2	0.8							
-80		0.8	6.2	16.4	26.8	31.0	26.8	16.4	6.2	0.8						
-90	0.8	6.2	16.4	26.8	31.0	26.8	16.4	6.2	0.8							

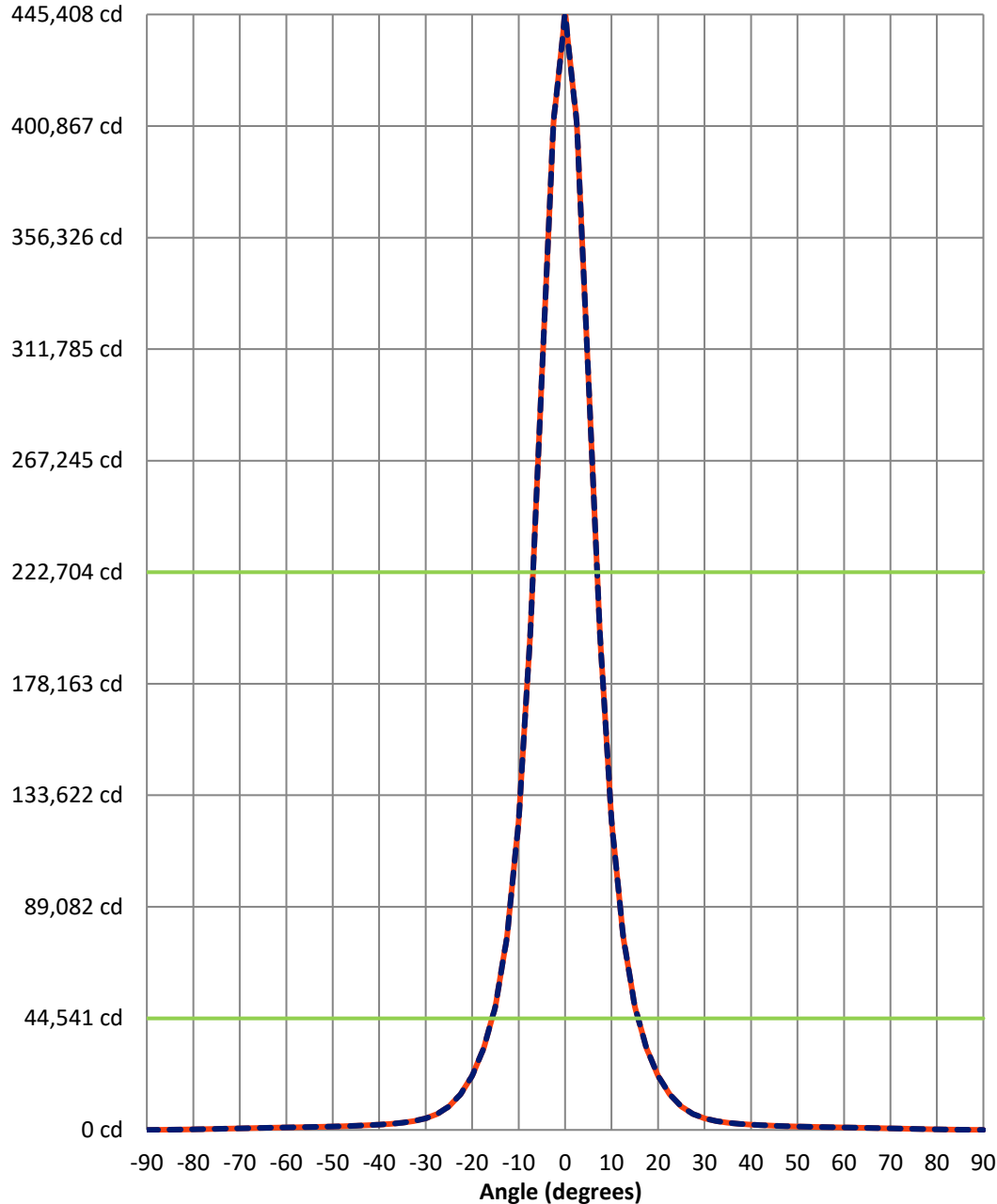
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 13.8°
 V Angle: 13.8°
 Lumens: 13956.1
 Efficiency: 29.2%

Field:
 H Angle: 31.4°
 V Angle: 31.4°
 Lumens: 32495.8
 Efficiency: 67.9%

Spill:
 Lumens: 15365.2
 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	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.6	15.2	16.8
85°	0.0	3.5	6.9	10.4	13.8	17.2	20.6	23.9	27.2	30.4	33.6
82.5°	0.0	5.2	10.4	15.5	20.7	25.8	30.8	35.8	41.0	47.0	53.0
80°	0.0	6.9	13.8	20.7	27.5	34.3	41.3	49.6	57.8	65.9	73.8
77.5°	0.0	8.6	17.2	25.8	34.3	43.5	54.0	64.3	74.6	84.6	95.5
75°	0.0	10.3	20.6	30.8	41.3	54.0	66.5	78.9	91.5	106.0	120.2
72.5°	0.0	12.0	23.9	35.8	49.6	64.3	78.9	94.1	111.2	128.1	144.6
70°	0.0	13.6	27.2	41.0	57.8	74.6	91.5	111.2	130.7	150.1	175.3
67.5°	0.0	15.2	30.4	47.0	65.9	84.6	106.0	128.1	150.1	178.8	207.0
65°	0.0	16.8	33.6	53.0	73.8	95.5	120.2	144.6	175.3	207.0	238.9
62.5°	0.0	18.4	36.7	58.8	81.6	107.2	134.2	164.7	200.0	235.1	271.5
60°	0.0	19.9	39.8	64.5	89.2	118.6	147.9	186.0	224.2	264.0	303.5
57.5°	0.0	21.4	43.5	70.1	98.1	129.7	165.1	206.7	249.0	292.2	338.6
55°	0.0	22.8	47.1	75.5	106.7	140.6	182.5	226.9	273.5	320.9	374.6
52.5°	0.0	24.2	50.6	80.8	115.1	151.7	199.3	247.6	297.4	352.4	409.6
50°	0.0	25.6	54.0	85.9	123.3	165.3	215.6	267.8	321.7	383.0	445.2
47.5°	0.0	26.9	57.2	91.0	131.2	178.4	231.5	287.4	348.0	412.6	479.8
45°	0.0	28.1	60.4	96.7	138.7	191.0	247.6	306.1	373.3	442.6	513.2
42.5°	0.0	29.3	63.4	102.1	145.9	203.0	263.0	326.0	397.6	471.4	544.0
40°	0.0	30.5	66.3	107.3	154.0	214.6	277.7	346.3	421.2	498.9	573.3
37.5°	0.0	31.6	69.0	112.2	162.7	225.5	291.7	365.6	444.4	524.8	601.2
35°	0.0	32.6	71.6	116.8	171.0	236.3	304.9	383.8	466.4	548.5	627.6
32.5°	0.0	33.6	74.0	121.2	178.8	246.6	318.0	401.0	487.2	570.9	652.6
30°	0.0	34.5	76.2	125.3	186.0	256.3	331.7	417.3	506.6	591.8	676.0
27.5°	0.0	35.3	78.3	129.0	192.8	265.3	344.5	433.0	524.3	611.2	697.8
25°	0.0	36.1	80.2	132.5	199.0	273.5	356.2	447.4	540.1	629.2	717.9
22.5°	0.0	36.8	82.0	135.7	204.6	281.0	366.9	460.6	554.6	645.6	735.4
20°	0.0	37.4	83.6	138.5	209.7	287.8	376.5	472.4	567.6	660.4	751.1
17.5°	0.0	38.0	85.0	141.1	214.2	293.8	385.0	483.0	579.2	673.5	765.1
15°	0.0	38.4	86.2	143.3	218.1	299.1	392.5	492.2	589.3	685.0	777.4
12.5°	0.0	38.9	87.2	145.1	221.5	303.5	398.8	500.0	597.8	694.7	787.8
10°	0.0	39.2	88.1	146.7	224.2	307.2	404.0	506.4	604.9	702.8	796.4
7.5°	0.0	39.5	88.7	147.9	226.3	310.0	408.1	511.4	610.4	709.0	803.1
5°	0.0	39.6	89.2	148.7	227.9	312.1	411.0	515.0	614.3	713.5	807.9
2.5°	0.0	39.8	89.5	149.2	228.8	313.3	412.7	517.2	616.7	716.2	810.7
0°	0.0	39.8	89.6	149.4	229.1	313.7	413.3	517.9	617.5	717.1	811.7
-2.5°	0.0	39.8	89.5	149.2	228.8	313.3	412.7	517.2	616.7	716.2	810.7
-5°	0.0	39.6	89.2	148.7	227.9	312.1	411.0	515.0	614.3	713.5	807.9
-7.5°	0.0	39.5	88.7	147.9	226.3	310.0	408.1	511.4	610.4	709.0	803.1
-10°	0.0	39.2	88.1	146.7	224.2	307.2	404.0	506.4	604.9	702.8	796.4
-12.5°	0.0	38.9	87.2	145.1	221.5	303.5	398.8	500.0	597.8	694.7	787.8
-15°	0.0	38.4	86.2	143.3	218.1	299.1	392.5	492.2	589.3	685.0	777.4
-17.5°	0.0	38.0	85.0	141.1	214.2	293.8	385.0	483.0	579.2	673.5	765.1
-20°	0.0	37.4	83.6	138.5	209.7	287.8	376.5	472.4	567.6	660.4	751.1

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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-33

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	36.8	82.0	135.7	204.6	281.0	366.9	460.6	554.6	645.6	735.4
-25°	0.0	36.1	80.2	132.5	199.0	273.5	356.2	447.4	540.1	629.2	717.9
-27.5°	0.0	35.3	78.3	129.0	192.8	265.3	344.5	433.0	524.3	611.2	697.8
-30°	0.0	34.5	76.2	125.3	186.0	256.3	331.7	417.3	506.6	591.8	676.0
-32.5°	0.0	33.6	74.0	121.2	178.8	246.6	318.0	401.0	487.2	570.9	652.6
-35°	0.0	32.6	71.6	116.8	171.0	236.3	304.9	383.8	466.4	548.5	627.6
-37.5°	0.0	31.6	69.0	112.2	162.7	225.5	291.7	365.6	444.4	524.8	601.2
-40°	0.0	30.5	66.3	107.3	154.0	214.6	277.7	346.3	421.2	498.9	573.3
-42.5°	0.0	29.3	63.4	102.1	145.9	203.0	263.0	326.0	397.6	471.4	544.0
-45°	0.0	28.1	60.4	96.7	138.7	191.0	247.6	306.1	373.3	442.6	513.2
-47.5°	0.0	26.9	57.2	91.0	131.2	178.4	231.5	287.4	348.0	412.6	479.8
-50°	0.0	25.6	54.0	85.9	123.3	165.3	215.6	267.8	321.7	383.0	445.2
-52.5°	0.0	24.2	50.6	80.8	115.1	151.7	199.3	247.6	297.4	352.4	409.6
-55°	0.0	22.8	47.1	75.5	106.7	140.6	182.5	226.9	273.5	320.9	374.6
-57.5°	0.0	21.4	43.5	70.1	98.1	129.7	165.1	206.7	249.0	292.2	338.6
-60°	0.0	19.9	39.8	64.5	89.2	118.6	147.9	186.0	224.2	264.0	303.5
-62.5°	0.0	18.4	36.7	58.8	81.6	107.2	134.2	164.7	200.0	235.1	271.5
-65°	0.0	16.8	33.6	53.0	73.8	95.5	120.2	144.6	175.3	207.0	238.9
-67.5°	0.0	15.2	30.4	47.0	65.9	84.6	106.0	128.1	150.1	178.8	207.0
-70°	0.0	13.6	27.2	41.0	57.8	74.6	91.5	111.2	130.7	150.1	175.3
-72.5°	0.0	12.0	23.9	35.8	49.6	64.3	78.9	94.1	111.2	128.1	144.6
-75°	0.0	10.3	20.6	30.8	41.3	54.0	66.5	78.9	91.5	106.0	120.2
-77.5°	0.0	8.6	17.2	25.8	34.3	43.5	54.0	64.3	74.6	84.6	95.5
-80°	0.0	6.9	13.8	20.7	27.5	34.3	41.3	49.6	57.8	65.9	73.8
-82.5°	0.0	5.2	10.4	15.5	20.7	25.8	30.8	35.8	41.0	47.0	53.0
-85°	0.0	3.5	6.9	10.4	13.8	17.2	20.6	23.9	27.2	30.4	33.6
-87.5°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.6	15.2	16.8
-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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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-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°	18.4	19.9	21.4	22.8	24.2	25.6	26.9	28.1	29.3	30.5	31.6
85°	36.7	39.8	43.5	47.1	50.6	54.0	57.2	60.4	63.4	66.3	69.0
82.5°	58.8	64.5	70.1	75.5	80.8	85.9	91.0	96.7	102.1	107.3	112.2
80°	81.6	89.2	98.1	106.7	115.1	123.3	131.2	138.7	145.9	154.0	162.7
77.5°	107.2	118.6	129.7	140.6	151.7	165.3	178.4	191.0	203.0	214.6	225.5
75°	134.2	147.9	165.1	182.5	199.3	215.6	231.5	247.6	263.0	277.7	291.7
72.5°	164.7	186.0	206.7	226.9	247.6	267.8	287.4	306.1	326.0	346.3	365.6
70°	200.0	224.2	249.0	273.5	297.4	321.7	348.0	373.3	397.6	421.2	444.4
67.5°	235.1	264.0	292.2	320.9	352.4	383.0	412.6	442.6	471.4	498.9	524.8
65°	271.5	303.5	338.6	374.6	409.6	445.2	479.8	513.2	544.0	573.3	601.2
62.5°	307.3	347.5	388.0	428.3	468.8	508.1	544.9	579.9	613.7	646.0	676.8
60°	347.5	392.5	437.7	483.0	526.7	567.6	607.2	645.6	682.5	717.9	750.0
57.5°	388.0	437.7	487.8	535.8	581.3	625.6	668.7	710.3	748.8	785.4	820.4
55°	428.3	483.0	535.8	585.9	634.9	682.6	728.4	771.1	812.3	852.0	890.0
52.5°	468.8	526.7	581.3	634.9	687.3	737.4	784.6	830.5	874.8	915.8	950.3
50°	508.1	567.6	625.6	682.6	737.4	789.2	839.6	888.7	931.4	970.0	1008.4
47.5°	544.9	607.2	668.7	728.4	784.6	839.6	893.3	939.3	982.0	1025.5	1067.6
45°	579.9	645.6	710.3	771.1	830.5	888.7	939.3	986.0	1034.1	1081.9	1132.1
42.5°	613.7	682.5	748.8	812.3	874.8	931.4	982.0	1034.1	1086.8	1142.1	1193.9
40°	646.0	717.9	785.4	852.0	915.8	970.0	1025.5	1081.9	1142.1	1198.7	1252.3
37.5°	676.8	750.0	820.4	890.0	950.3	1008.4	1067.6	1132.1	1193.9	1252.3	1320.9
35°	706.1	780.6	853.8	923.0	983.2	1046.0	1112.3	1179.5	1242.5	1314.7	1390.9
32.5°	733.0	809.5	885.3	951.9	1016.2	1083.0	1155.3	1223.0	1296.5	1376.7	1463.9
30°	757.6	836.6	913.7	979.1	1047.5	1120.8	1194.3	1266.3	1350.4	1442.1	1551.5
27.5°	780.6	861.9	937.0	1005.7	1077.5	1156.3	1230.4	1313.8	1406.3	1510.1	1644.1
25°	801.8	885.3	958.6	1030.7	1107.9	1187.9	1266.1	1358.1	1460.4	1591.3	1746.6
22.5°	821.2	906.7	978.4	1053.7	1135.9	1216.6	1304.0	1403.7	1519.2	1667.5	1846.2
20°	838.8	923.0	997.0	1074.9	1161.3	1242.7	1338.5	1446.1	1583.3	1752.5	1940.4
17.5°	854.4	937.6	1013.9	1095.7	1182.9	1268.5	1370.1	1484.2	1640.9	1829.1	2027.0
15°	868.0	950.3	1028.8	1113.9	1201.7	1293.5	1401.0	1529.3	1698.4	1897.7	2104.5
12.5°	879.6	961.1	1041.5	1129.5	1217.8	1314.9	1427.5	1569.6	1752.1	1958.8	2195.8
10°	889.2	970.0	1051.9	1142.3	1231.1	1332.6	1449.4	1603.0	1796.7	2009.5	2271.9
7.5°	896.7	977.0	1060.1	1152.3	1241.5	1346.4	1466.6	1629.2	1831.8	2049.4	2331.9
5°	902.0	982.0	1065.9	1159.5	1248.9	1356.4	1479.0	1648.0	1857.1	2078.3	2375.2
2.5°	905.2	985.0	1069.4	1163.9	1253.4	1362.4	1486.4	1659.4	1872.3	2095.7	2401.4
0°	906.3	986.0	1070.6	1165.3	1254.9	1364.4	1488.9	1663.2	1877.4	2101.5	2410.2
-2.5°	905.2	985.0	1069.4	1163.9	1253.4	1362.4	1486.4	1659.4	1872.3	2095.7	2401.4
-5°	902.0	982.0	1065.9	1159.5	1248.9	1356.4	1479.0	1648.0	1857.1	2078.3	2375.2
-7.5°	896.7	977.0	1060.1	1152.3	1241.5	1346.4	1466.6	1629.2	1831.8	2049.4	2331.9
-10°	889.2	970.0	1051.9	1142.3	1231.1	1332.6	1449.4	1603.0	1796.7	2009.5	2271.9
-12.5°	879.6	961.1	1041.5	1129.5	1217.8	1314.9	1427.5	1569.6	1752.1	1958.8	2195.8
-15°	868.0	950.3	1028.8	1113.9	1201.7	1293.5	1401.0	1529.3	1698.4	1897.7	2104.5
-17.5°	854.4	937.6	1013.9	1095.7	1182.9	1268.5	1370.1	1484.2	1640.9	1829.1	2027.0
-20°	838.8	923.0	997.0	1074.9	1161.3	1242.7	1338.5	1446.1	1583.3	1752.5	1940.4

Classified

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

Scaled Data Report



REPORT NUMBER: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-33

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	821.2	906.7	978.4	1053.7	1135.9	1216.6	1304.0	1403.7	1519.2	1667.5	1846.2
-25°	801.8	885.3	958.6	1030.7	1107.9	1187.9	1266.1	1358.1	1460.4	1591.3	1746.6
-27.5°	780.6	861.9	937.0	1005.7	1077.5	1156.3	1230.4	1313.8	1406.3	1510.1	1644.1
-30°	757.6	836.6	913.7	979.1	1047.5	1120.8	1194.3	1266.3	1350.4	1442.1	1551.5
-32.5°	733.0	809.5	885.3	951.9	1016.2	1083.0	1155.3	1223.0	1296.5	1376.7	1463.9
-35°	706.1	780.6	853.8	923.0	983.2	1046.0	1112.3	1179.5	1242.5	1314.7	1390.9
-37.5°	676.8	750.0	820.4	890.0	950.3	1008.4	1067.6	1132.1	1193.9	1252.3	1320.9
-40°	646.0	717.9	785.4	852.0	915.8	970.0	1025.5	1081.9	1142.1	1198.7	1252.3
-42.5°	613.7	682.5	748.8	812.3	874.8	931.4	982.0	1034.1	1086.8	1142.1	1193.9
-45°	579.9	645.6	710.3	771.1	830.5	888.7	939.3	986.0	1034.1	1081.9	1132.1
-47.5°	544.9	607.2	668.7	728.4	784.6	839.6	893.3	939.3	982.0	1025.5	1067.6
-50°	508.1	567.6	625.6	682.6	737.4	789.2	839.6	888.7	931.4	970.0	1008.4
-52.5°	468.8	526.7	581.3	634.9	687.3	737.4	784.6	830.5	874.8	915.8	950.3
-55°	428.3	483.0	535.8	585.9	634.9	682.6	728.4	771.1	812.3	852.0	890.0
-57.5°	388.0	437.7	487.8	535.8	581.3	625.6	668.7	710.3	748.8	785.4	820.4
-60°	347.5	392.5	437.7	483.0	526.7	567.6	607.2	645.6	682.5	717.9	750.0
-62.5°	307.3	347.5	388.0	428.3	468.8	508.1	544.9	579.9	613.7	646.0	676.8
-65°	271.5	303.5	338.6	374.6	409.6	445.2	479.8	513.2	544.0	573.3	601.2
-67.5°	235.1	264.0	292.2	320.9	352.4	383.0	412.6	442.6	471.4	498.9	524.8
-70°	200.0	224.2	249.0	273.5	297.4	321.7	348.0	373.3	397.6	421.2	444.4
-72.5°	164.7	186.0	206.7	226.9	247.6	267.8	287.4	306.1	326.0	346.3	365.6
-75°	134.2	147.9	165.1	182.5	199.3	215.6	231.5	247.6	263.0	277.7	291.7
-77.5°	107.2	118.6	129.7	140.6	151.7	165.3	178.4	191.0	203.0	214.6	225.5
-80°	81.6	89.2	98.1	106.7	115.1	123.3	131.2	138.7	145.9	154.0	162.7
-82.5°	58.8	64.5	70.1	75.5	80.8	85.9	91.0	96.7	102.1	107.3	112.2
-85°	36.7	39.8	43.5	47.1	50.6	54.0	57.2	60.4	63.4	66.3	69.0
-87.5°	18.4	19.9	21.4	22.8	24.2	25.6	26.9	28.1	29.3	30.5	31.6
-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: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-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°	32.6	33.6	34.5	35.3	36.1	36.8	37.4	38.0	38.4	38.9	39.2
85°	71.6	74.0	76.2	78.3	80.2	82.0	83.6	85.0	86.2	87.2	88.1
82.5°	116.8	121.2	125.3	129.0	132.5	135.7	138.5	141.1	143.3	145.1	146.7
80°	171.0	178.8	186.0	192.8	199.0	204.6	209.7	214.2	218.1	221.5	224.2
77.5°	236.3	246.6	256.3	265.3	273.5	281.0	287.8	293.8	299.1	303.5	307.2
75°	304.9	318.0	331.7	344.5	356.2	366.9	376.5	385.0	392.5	398.8	404.0
72.5°	383.8	401.0	417.3	433.0	447.4	460.6	472.4	483.0	492.2	500.0	506.4
70°	466.4	487.2	506.6	524.3	540.1	554.6	567.6	579.2	589.3	597.8	604.9
67.5°	548.5	570.9	591.8	611.2	629.2	645.6	660.4	673.5	685.0	694.7	702.8
65°	627.6	652.6	676.0	697.8	717.9	735.4	751.1	765.1	777.4	787.8	796.4
62.5°	706.1	733.0	757.6	780.6	801.8	821.2	838.8	854.4	868.0	879.6	889.2
60°	780.6	809.5	836.6	861.9	885.3	906.7	923.0	937.6	950.3	961.1	970.0
57.5°	853.8	885.3	913.7	937.0	958.6	978.4	997.0	1013.9	1028.8	1041.5	1051.9
55°	923.0	951.9	979.1	1005.7	1030.7	1053.7	1074.9	1095.7	1113.9	1129.5	1142.3
52.5°	983.2	1016.2	1047.5	1077.5	1107.9	1135.9	1161.3	1182.9	1201.7	1217.8	1231.1
50°	1046.0	1083.0	1120.8	1156.3	1187.9	1216.6	1242.7	1268.5	1293.5	1314.9	1332.6
47.5°	1112.3	1155.3	1194.3	1230.4	1266.1	1304.0	1338.5	1370.1	1401.0	1427.5	1449.4
45°	1179.5	1223.0	1266.3	1313.8	1358.1	1403.7	1446.1	1484.2	1529.3	1569.6	1603.0
42.5°	1242.5	1296.5	1350.4	1406.3	1460.4	1519.2	1583.3	1640.9	1698.4	1752.1	1796.7
40°	1314.7	1376.7	1442.1	1510.1	1591.3	1667.5	1752.5	1829.1	1897.7	1958.8	2009.5
37.5°	1390.9	1463.9	1551.5	1644.1	1746.6	1846.2	1940.4	2027.0	2104.5	2195.8	2271.9
35°	1471.2	1572.5	1679.2	1800.4	1916.5	2028.2	2142.4	2271.2	2385.7	2521.0	2643.9
32.5°	1572.5	1692.5	1827.7	1960.4	2088.2	2248.0	2400.6	2602.3	2786.4	2983.9	3182.1
30°	1679.2	1827.7	1975.1	2125.0	2312.7	2527.5	2770.9	3053.7	3348.9	3641.6	3982.5
27.5°	1800.4	1960.4	2125.0	2334.4	2594.3	2877.5	3264.3	3662.7	4166.9	4609.2	5229.6
25°	1916.5	2088.2	2312.7	2594.3	2929.1	3371.7	3925.7	4530.1	5388.0	6192.5	7213.5
22.5°	2028.2	2248.0	2527.5	2877.5	3371.7	4014.6	4785.5	5871.8	7192.3	8678.2	10311.4
20°	2142.4	2400.6	2770.9	3264.3	3925.7	4785.5	6035.9	7774.1	9732.7	12385.0	14910.7
17.5°	2271.2	2602.3	3053.7	3662.7	4530.1	5871.8	7774.1	10239.7	13460.1	17503.9	21387.4
15°	2385.7	2786.4	3348.9	4166.9	5388.0	7192.3	9732.7	13460.1	18393.3	24134.4	30661.5
12.5°	2521.0	2983.9	3641.6	4609.2	6192.5	8678.2	12385.0	17503.9	24134.4	32246.8	42969.0
10°	2643.9	3182.1	3982.5	5229.6	7213.5	10311.4	14910.7	21387.4	30661.5	42969.0	59307.8
7.5°	2741.1	3339.3	4253.8	5726.5	8139.3	11983.3	17756.7	26089.7	37825.7	54392.6	77648.7
5°	2811.5	3453.3	4451.1	6089.1	8817.9	13215.9	19871.1	29706.9	44063.4	66648.0	101761.0
2.5°	2854.0	3522.4	4571.0	6309.8	9232.4	13972.1	21175.8	31957.3	47990.8	74507.5	117692.2
0°	2868.3	3545.6	4611.2	6384.0	9371.9	14227.1	21617.1	32721.9	49334.3	77225.8	123308.3
-2.5°	2854.0	3522.4	4571.0	6309.8	9232.4	13972.1	21175.8	31957.3	47990.8	74507.5	117692.2
-5°	2811.5	3453.3	4451.1	6089.1	8817.9	13215.9	19871.1	29706.9	44063.4	66648.0	101761.0
-7.5°	2741.1	3339.3	4253.8	5726.5	8139.3	11983.3	17756.7	26089.7	37825.7	54392.6	77648.7
-10°	2643.9	3182.1	3982.5	5229.6	7213.5	10311.4	14910.7	21387.4	30661.5	42969.0	59307.8
-12.5°	2521.0	2983.9	3641.6	4609.2	6192.5	8678.2	12385.0	17503.9	24134.4	32246.8	42969.0
-15°	2385.7	2786.4	3348.9	4166.9	5388.0	7192.3	9732.7	13460.1	18393.3	24134.4	30661.5
-17.5°	2271.2	2602.3	3053.7	3662.7	4530.1	5871.8	7774.1	10239.7	13460.1	17503.9	21387.4
-20°	2142.4	2400.6	2770.9	3264.3	3925.7	4785.5	6035.9	7774.1	9732.7	12385.0	14910.7

Classified

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

Scaled Data Report



REPORT NUMBER: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-33

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2028.2	2248.0	2527.5	2877.5	3371.7	4014.6	4785.5	5871.8	7192.3	8678.2	10311.4
-25°	1916.5	2088.2	2312.7	2594.3	2929.1	3371.7	3925.7	4530.1	5388.0	6192.5	7213.5
-27.5°	1800.4	1960.4	2125.0	2334.4	2594.3	2877.5	3264.3	3662.7	4166.9	4609.2	5229.6
-30°	1679.2	1827.7	1975.1	2125.0	2312.7	2527.5	2770.9	3053.7	3348.9	3641.6	3982.5
-32.5°	1572.5	1692.5	1827.7	1960.4	2088.2	2248.0	2400.6	2602.3	2786.4	2983.9	3182.1
-35°	1471.2	1572.5	1679.2	1800.4	1916.5	2028.2	2142.4	2271.2	2385.7	2521.0	2643.9
-37.5°	1390.9	1463.9	1551.5	1644.1	1746.6	1846.2	1940.4	2027.0	2104.5	2195.8	2271.9
-40°	1314.7	1376.7	1442.1	1510.1	1591.3	1667.5	1752.5	1829.1	1897.7	1958.8	2009.5
-42.5°	1242.5	1296.5	1350.4	1406.3	1460.4	1519.2	1583.3	1640.9	1698.4	1752.1	1796.7
-45°	1179.5	1223.0	1266.3	1313.8	1358.1	1403.7	1446.1	1484.2	1529.3	1569.6	1603.0
-47.5°	1112.3	1155.3	1194.3	1230.4	1266.1	1304.0	1338.5	1370.1	1401.0	1427.5	1449.4
-50°	1046.0	1083.0	1120.8	1156.3	1187.9	1216.6	1242.7	1268.5	1293.5	1314.9	1332.6
-52.5°	983.2	1016.2	1047.5	1077.5	1107.9	1135.9	1161.3	1182.9	1201.7	1217.8	1231.1
-55°	923.0	951.9	979.1	1005.7	1030.7	1053.7	1074.9	1095.7	1113.9	1129.5	1142.3
-57.5°	853.8	885.3	913.7	937.0	958.6	978.4	997.0	1013.9	1028.8	1041.5	1051.9
-60°	780.6	809.5	836.6	861.9	885.3	906.7	923.0	937.6	950.3	961.1	970.0
-62.5°	706.1	733.0	757.6	780.6	801.8	821.2	838.8	854.4	868.0	879.6	889.2
-65°	627.6	652.6	676.0	697.8	717.9	735.4	751.1	765.1	777.4	787.8	796.4
-67.5°	548.5	570.9	591.8	611.2	629.2	645.6	660.4	673.5	685.0	694.7	702.8
-70°	466.4	487.2	506.6	524.3	540.1	554.6	567.6	579.2	589.3	597.8	604.9
-72.5°	383.8	401.0	417.3	433.0	447.4	460.6	472.4	483.0	492.2	500.0	506.4
-75°	304.9	318.0	331.7	344.5	356.2	366.9	376.5	385.0	392.5	398.8	404.0
-77.5°	236.3	246.6	256.3	265.3	273.5	281.0	287.8	293.8	299.1	303.5	307.2
-80°	171.0	178.8	186.0	192.8	199.0	204.6	209.7	214.2	218.1	221.5	224.2
-82.5°	116.8	121.2	125.3	129.0	132.5	135.7	138.5	141.1	143.3	145.1	146.7
-85°	71.6	74.0	76.2	78.3	80.2	82.0	83.6	85.0	86.2	87.2	88.1
-87.5°	32.6	33.6	34.5	35.3	36.1	36.8	37.4	38.0	38.4	38.9	39.2
-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: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-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°	39.5	39.6	39.8	39.8	39.8	39.6	39.5	39.2	38.9	38.4	38.0
85°	88.7	89.2	89.5	89.6	89.5	89.2	88.7	88.1	87.2	86.2	85.0
82.5°	147.9	148.7	149.2	149.4	149.2	148.7	147.9	146.7	145.1	143.3	141.1
80°	226.3	227.9	228.8	229.1	228.8	227.9	226.3	224.2	221.5	218.1	214.2
77.5°	310.0	312.1	313.3	313.7	313.3	312.1	310.0	307.2	303.5	299.1	293.8
75°	408.1	411.0	412.7	413.3	412.7	411.0	408.1	404.0	398.8	392.5	385.0
72.5°	511.4	515.0	517.2	517.9	517.2	515.0	511.4	506.4	500.0	492.2	483.0
70°	610.4	614.3	616.7	617.5	616.7	614.3	610.4	604.9	597.8	589.3	579.2
67.5°	709.0	713.5	716.2	717.1	716.2	713.5	709.0	702.8	694.7	685.0	673.5
65°	803.1	807.9	810.7	811.7	810.7	807.9	803.1	796.4	787.8	777.4	765.1
62.5°	896.7	902.0	905.2	906.3	905.2	902.0	896.7	889.2	879.6	868.0	854.4
60°	977.0	982.0	985.0	986.0	985.0	982.0	977.0	970.0	961.1	950.3	937.6
57.5°	1060.1	1065.9	1069.4	1070.6	1069.4	1065.9	1060.1	1051.9	1041.5	1028.8	1013.9
55°	1152.3	1159.5	1163.9	1165.3	1163.9	1159.5	1152.3	1142.3	1129.5	1113.9	1095.7
52.5°	1241.5	1248.9	1253.4	1254.9	1253.4	1248.9	1241.5	1231.1	1217.8	1201.7	1182.9
50°	1346.4	1356.4	1362.4	1364.4	1362.4	1356.4	1346.4	1332.6	1314.9	1293.5	1268.5
47.5°	1466.6	1479.0	1486.4	1488.9	1486.4	1479.0	1466.6	1449.4	1427.5	1401.0	1370.1
45°	1629.2	1648.0	1659.4	1663.2	1659.4	1648.0	1629.2	1603.0	1569.6	1529.3	1484.2
42.5°	1831.8	1857.1	1872.3	1877.4	1872.3	1857.1	1831.8	1796.7	1752.1	1698.4	1640.9
40°	2049.4	2078.3	2095.7	2101.5	2095.7	2078.3	2049.4	2009.5	1958.8	1897.7	1829.1
37.5°	2331.9	2375.2	2401.4	2410.2	2401.4	2375.2	2331.9	2271.9	2195.8	2104.5	2027.0
35°	2741.1	2811.5	2854.0	2868.3	2854.0	2811.5	2741.1	2643.9	2521.0	2385.7	2271.2
32.5°	3339.3	3453.3	3522.4	3545.6	3522.4	3453.3	3339.3	3182.1	2983.9	2786.4	2602.3
30°	4253.8	4451.1	4571.0	4611.2	4571.0	4451.1	4253.8	3982.5	3641.6	3348.9	3053.7
27.5°	5726.5	6089.1	6309.8	6384.0	6309.8	6089.1	5726.5	5229.6	4609.2	4166.9	3662.7
25°	8139.3	8817.9	9232.4	9371.9	9232.4	8817.9	8139.3	7213.5	6192.5	5388.0	4530.1
22.5°	11983.3	13215.9	13972.1	14227.1	13972.1	13215.9	11983.3	10311.4	8678.2	7192.3	5871.8
20°	17756.7	19871.1	21175.8	21617.1	21175.8	19871.1	17756.7	14910.7	12385.0	9732.7	7774.1
17.5°	26089.7	29706.9	31957.3	32721.9	31957.3	29706.9	26089.7	21387.4	17503.9	13460.1	10239.7
15°	37825.7	44063.4	47990.8	49334.3	47990.8	44063.4	37825.7	30661.5	24134.4	18393.3	13460.1
12.5°	54392.6	66648.0	74507.5	77225.8	74507.5	66648.0	54392.6	42969.0	32246.8	24134.4	17503.9
10°	77648.7	101761.0	117692.2	123308.3	117692.2	101761.0	77648.7	59307.8	42969.0	30661.5	21387.4
7.5°	112406.8	153009.2	185950.4	198004.4	185950.4	153009.2	112406.8	77648.7	54392.6	37825.7	26089.7
5°	153009.2	215866.0	276767.7	301030.3	276767.7	215866.0	153009.2	101761.0	66648.0	44063.4	29706.9
2.5°	185950.4	276767.7	360222.7	402039.3	360222.7	276767.7	185950.4	117692.2	74507.5	47990.8	31957.3
0°	198004.4	301030.3	402039.3	445407.8	402039.3	301030.3	198004.4	123308.3	77225.8	49334.3	32721.9
-2.5°	185950.4	276767.7	360222.7	402039.3	360222.7	276767.7	185950.4	117692.2	74507.5	47990.8	31957.3
-5°	153009.2	215866.0	276767.7	301030.3	276767.7	215866.0	153009.2	101761.0	66648.0	44063.4	29706.9
-7.5°	112406.8	153009.2	185950.4	198004.4	185950.4	153009.2	112406.8	77648.7	54392.6	37825.7	26089.7
-10°	77648.7	101761.0	117692.2	123308.3	117692.2	101761.0	77648.7	59307.8	42969.0	30661.5	21387.4
-12.5°	54392.6	66648.0	74507.5	77225.8	74507.5	66648.0	54392.6	42969.0	32246.8	24134.4	17503.9
-15°	37825.7	44063.4	47990.8	49334.3	47990.8	44063.4	37825.7	30661.5	24134.4	18393.3	13460.1
-17.5°	26089.7	29706.9	31957.3	32721.9	31957.3	29706.9	26089.7	21387.4	17503.9	13460.1	10239.7
-20°	17756.7	19871.1	21175.8	21617.1	21175.8	19871.1	17756.7	14910.7	12385.0	9732.7	7774.1



REPORT NUMBER: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-33

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11983.3	13215.9	13972.1	14227.1	13972.1	13215.9	11983.3	10311.4	8678.2	7192.3	5871.8
-25°	8139.3	8817.9	9232.4	9371.9	9232.4	8817.9	8139.3	7213.5	6192.5	5388.0	4530.1
-27.5°	5726.5	6089.1	6309.8	6384.0	6309.8	6089.1	5726.5	5229.6	4609.2	4166.9	3662.7
-30°	4253.8	4451.1	4571.0	4611.2	4571.0	4451.1	4253.8	3982.5	3641.6	3348.9	3053.7
-32.5°	3339.3	3453.3	3522.4	3545.6	3522.4	3453.3	3339.3	3182.1	2983.9	2786.4	2602.3
-35°	2741.1	2811.5	2854.0	2868.3	2854.0	2811.5	2741.1	2643.9	2521.0	2385.7	2271.2
-37.5°	2331.9	2375.2	2401.4	2410.2	2401.4	2375.2	2331.9	2271.9	2195.8	2104.5	2027.0
-40°	2049.4	2078.3	2095.7	2101.5	2095.7	2078.3	2049.4	2009.5	1958.8	1897.7	1829.1
-42.5°	1831.8	1857.1	1872.3	1877.4	1872.3	1857.1	1831.8	1796.7	1752.1	1698.4	1640.9
-45°	1629.2	1648.0	1659.4	1663.2	1659.4	1648.0	1629.2	1603.0	1569.6	1529.3	1484.2
-47.5°	1466.6	1479.0	1486.4	1488.9	1486.4	1479.0	1466.6	1449.4	1427.5	1401.0	1370.1
-50°	1346.4	1356.4	1362.4	1364.4	1362.4	1356.4	1346.4	1332.6	1314.9	1293.5	1268.5
-52.5°	1241.5	1248.9	1253.4	1254.9	1253.4	1248.9	1241.5	1231.1	1217.8	1201.7	1182.9
-55°	1152.3	1159.5	1163.9	1165.3	1163.9	1159.5	1152.3	1142.3	1129.5	1113.9	1095.7
-57.5°	1060.1	1065.9	1069.4	1070.6	1069.4	1065.9	1060.1	1051.9	1041.5	1028.8	1013.9
-60°	977.0	982.0	985.0	986.0	985.0	982.0	977.0	970.0	961.1	950.3	937.6
-62.5°	896.7	902.0	905.2	906.3	905.2	902.0	896.7	889.2	879.6	868.0	854.4
-65°	803.1	807.9	810.7	811.7	810.7	807.9	803.1	796.4	787.8	777.4	765.1
-67.5°	709.0	713.5	716.2	717.1	716.2	713.5	709.0	702.8	694.7	685.0	673.5
-70°	610.4	614.3	616.7	617.5	616.7	614.3	610.4	604.9	597.8	589.3	579.2
-72.5°	511.4	515.0	517.2	517.9	517.2	515.0	511.4	506.4	500.0	492.2	483.0
-75°	408.1	411.0	412.7	413.3	412.7	411.0	408.1	404.0	398.8	392.5	385.0
-77.5°	310.0	312.1	313.3	313.7	313.3	312.1	310.0	307.2	303.5	299.1	293.8
-80°	226.3	227.9	228.8	229.1	228.8	227.9	226.3	224.2	221.5	218.1	214.2
-82.5°	147.9	148.7	149.2	149.4	149.2	148.7	147.9	146.7	145.1	143.3	141.1
-85°	88.7	89.2	89.5	89.6	89.5	89.2	88.7	88.1	87.2	86.2	85.0
-87.5°	39.5	39.6	39.8	39.8	39.8	39.6	39.5	39.2	38.9	38.4	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: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-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°	37.4	36.8	36.1	35.3	34.5	33.6	32.6	31.6	30.5	29.3	28.1
85°	83.6	82.0	80.2	78.3	76.2	74.0	71.6	69.0	66.3	63.4	60.4
82.5°	138.5	135.7	132.5	129.0	125.3	121.2	116.8	112.2	107.3	102.1	96.7
80°	209.7	204.6	199.0	192.8	186.0	178.8	171.0	162.7	154.0	145.9	138.7
77.5°	287.8	281.0	273.5	265.3	256.3	246.6	236.3	225.5	214.6	203.0	191.0
75°	376.5	366.9	356.2	344.5	331.7	318.0	304.9	291.7	277.7	263.0	247.6
72.5°	472.4	460.6	447.4	433.0	417.3	401.0	383.8	365.6	346.3	326.0	306.1
70°	567.6	554.6	540.1	524.3	506.6	487.2	466.4	444.4	421.2	397.6	373.3
67.5°	660.4	645.6	629.2	611.2	591.8	570.9	548.5	524.8	498.9	471.4	442.6
65°	751.1	735.4	717.9	697.8	676.0	652.6	627.6	601.2	573.3	544.0	513.2
62.5°	838.8	821.2	801.8	780.6	757.6	733.0	706.1	676.8	646.0	613.7	579.9
60°	923.0	906.7	885.3	861.9	836.6	809.5	780.6	750.0	717.9	682.5	645.6
57.5°	997.0	978.4	958.6	937.0	913.7	885.3	853.8	820.4	785.4	748.8	710.3
55°	1074.9	1053.7	1030.7	1005.7	979.1	951.9	923.0	890.0	852.0	812.3	771.1
52.5°	1161.3	1135.9	1107.9	1077.5	1047.5	1016.2	983.2	950.3	915.8	874.8	830.5
50°	1242.7	1216.6	1187.9	1156.3	1120.8	1083.0	1046.0	1008.4	970.0	931.4	888.7
47.5°	1338.5	1304.0	1266.1	1230.4	1194.3	1155.3	1112.3	1067.6	1025.5	982.0	939.3
45°	1446.1	1403.7	1358.1	1313.8	1266.3	1223.0	1179.5	1132.1	1081.9	1034.1	986.0
42.5°	1583.3	1519.2	1460.4	1406.3	1350.4	1296.5	1242.5	1193.9	1142.1	1086.8	1034.1
40°	1752.5	1667.5	1591.3	1510.1	1442.1	1376.7	1314.7	1252.3	1198.7	1142.1	1081.9
37.5°	1940.4	1846.2	1746.6	1644.1	1551.5	1463.9	1390.9	1320.9	1252.3	1193.9	1132.1
35°	2142.4	2028.2	1916.5	1800.4	1679.2	1572.5	1471.2	1390.9	1314.7	1242.5	1179.5
32.5°	2400.6	2248.0	2088.2	1960.4	1827.7	1692.5	1572.5	1463.9	1376.7	1296.5	1223.0
30°	2770.9	2527.5	2312.7	2125.0	1975.1	1827.7	1679.2	1551.5	1442.1	1350.4	1266.3
27.5°	3264.3	2877.5	2594.3	2334.4	2125.0	1960.4	1800.4	1644.1	1510.1	1406.3	1313.8
25°	3925.7	3371.7	2929.1	2594.3	2312.7	2088.2	1916.5	1746.6	1591.3	1460.4	1358.1
22.5°	4785.5	4014.6	3371.7	2877.5	2527.5	2248.0	2028.2	1846.2	1667.5	1519.2	1403.7
20°	6035.9	4785.5	3925.7	3264.3	2770.9	2400.6	2142.4	1940.4	1752.5	1583.3	1446.1
17.5°	7774.1	5871.8	4530.1	3662.7	3053.7	2602.3	2271.2	2027.0	1829.1	1640.9	1484.2
15°	9732.7	7192.3	5388.0	4166.9	3348.9	2786.4	2385.7	2104.5	1897.7	1698.4	1529.3
12.5°	12385.0	8678.2	6192.5	4609.2	3641.6	2983.9	2521.0	2195.8	1958.8	1752.1	1569.6
10°	14910.7	10311.4	7213.5	5229.6	3982.5	3182.1	2643.9	2271.9	2009.5	1796.7	1603.0
7.5°	17756.7	11983.3	8139.3	5726.5	4253.8	3339.3	2741.1	2331.9	2049.4	1831.8	1629.2
5°	19871.1	13215.9	8817.9	6089.1	4451.1	3453.3	2811.5	2375.2	2078.3	1857.1	1648.0
2.5°	21175.8	13972.1	9232.4	6309.8	4571.0	3522.4	2854.0	2401.4	2095.7	1872.3	1659.4
0°	21617.1	14227.1	9371.9	6384.0	4611.2	3545.6	2868.3	2410.2	2101.5	1877.4	1663.2
-2.5°	21175.8	13972.1	9232.4	6309.8	4571.0	3522.4	2854.0	2401.4	2095.7	1872.3	1659.4
-5°	19871.1	13215.9	8817.9	6089.1	4451.1	3453.3	2811.5	2375.2	2078.3	1857.1	1648.0
-7.5°	17756.7	11983.3	8139.3	5726.5	4253.8	3339.3	2741.1	2331.9	2049.4	1831.8	1629.2
-10°	14910.7	10311.4	7213.5	5229.6	3982.5	3182.1	2643.9	2271.9	2009.5	1796.7	1603.0
-12.5°	12385.0	8678.2	6192.5	4609.2	3641.6	2983.9	2521.0	2195.8	1958.8	1752.1	1569.6
-15°	9732.7	7192.3	5388.0	4166.9	3348.9	2786.4	2385.7	2104.5	1897.7	1698.4	1529.3
-17.5°	7774.1	5871.8	4530.1	3662.7	3053.7	2602.3	2271.2	2027.0	1829.1	1640.9	1484.2
-20°	6035.9	4785.5	3925.7	3264.3	2770.9	2400.6	2142.4	1940.4	1752.5	1583.3	1446.1

Classified

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

Scaled Data Report



REPORT NUMBER: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-33

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4785.5	4014.6	3371.7	2877.5	2527.5	2248.0	2028.2	1846.2	1667.5	1519.2	1403.7
-25°	3925.7	3371.7	2929.1	2594.3	2312.7	2088.2	1916.5	1746.6	1591.3	1460.4	1358.1
-27.5°	3264.3	2877.5	2594.3	2334.4	2125.0	1960.4	1800.4	1644.1	1510.1	1406.3	1313.8
-30°	2770.9	2527.5	2312.7	2125.0	1975.1	1827.7	1679.2	1551.5	1442.1	1350.4	1266.3
-32.5°	2400.6	2248.0	2088.2	1960.4	1827.7	1692.5	1572.5	1463.9	1376.7	1296.5	1223.0
-35°	2142.4	2028.2	1916.5	1800.4	1679.2	1572.5	1471.2	1390.9	1314.7	1242.5	1179.5
-37.5°	1940.4	1846.2	1746.6	1644.1	1551.5	1463.9	1390.9	1320.9	1252.3	1193.9	1132.1
-40°	1752.5	1667.5	1591.3	1510.1	1442.1	1376.7	1314.7	1252.3	1198.7	1142.1	1081.9
-42.5°	1583.3	1519.2	1460.4	1406.3	1350.4	1296.5	1242.5	1193.9	1142.1	1086.8	1034.1
-45°	1446.1	1403.7	1358.1	1313.8	1266.3	1223.0	1179.5	1132.1	1081.9	1034.1	986.0
-47.5°	1338.5	1304.0	1266.1	1230.4	1194.3	1155.3	1112.3	1067.6	1025.5	982.0	939.3
-50°	1242.7	1216.6	1187.9	1156.3	1120.8	1083.0	1046.0	1008.4	970.0	931.4	888.7
-52.5°	1161.3	1135.9	1107.9	1077.5	1047.5	1016.2	983.2	950.3	915.8	874.8	830.5
-55°	1074.9	1053.7	1030.7	1005.7	979.1	951.9	923.0	890.0	852.0	812.3	771.1
-57.5°	997.0	978.4	958.6	937.0	913.7	885.3	853.8	820.4	785.4	748.8	710.3
-60°	923.0	906.7	885.3	861.9	836.6	809.5	780.6	750.0	717.9	682.5	645.6
-62.5°	838.8	821.2	801.8	780.6	757.6	733.0	706.1	676.8	646.0	613.7	579.9
-65°	751.1	735.4	717.9	697.8	676.0	652.6	627.6	601.2	573.3	544.0	513.2
-67.5°	660.4	645.6	629.2	611.2	591.8	570.9	548.5	524.8	498.9	471.4	442.6
-70°	567.6	554.6	540.1	524.3	506.6	487.2	466.4	444.4	421.2	397.6	373.3
-72.5°	472.4	460.6	447.4	433.0	417.3	401.0	383.8	365.6	346.3	326.0	306.1
-75°	376.5	366.9	356.2	344.5	331.7	318.0	304.9	291.7	277.7	263.0	247.6
-77.5°	287.8	281.0	273.5	265.3	256.3	246.6	236.3	225.5	214.6	203.0	191.0
-80°	209.7	204.6	199.0	192.8	186.0	178.8	171.0	162.7	154.0	145.9	138.7
-82.5°	138.5	135.7	132.5	129.0	125.3	121.2	116.8	112.2	107.3	102.1	96.7
-85°	83.6	82.0	80.2	78.3	76.2	74.0	71.6	69.0	66.3	63.4	60.4
-87.5°	37.4	36.8	36.1	35.3	34.5	33.6	32.6	31.6	30.5	29.3	28.1
-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: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-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°	26.9	25.6	24.2	22.8	21.4	19.9	18.4	16.8	15.2	13.6	12.0
85°	57.2	54.0	50.6	47.1	43.5	39.8	36.7	33.6	30.4	27.2	23.9
82.5°	91.0	85.9	80.8	75.5	70.1	64.5	58.8	53.0	47.0	41.0	35.8
80°	131.2	123.3	115.1	106.7	98.1	89.2	81.6	73.8	65.9	57.8	49.6
77.5°	178.4	165.3	151.7	140.6	129.7	118.6	107.2	95.5	84.6	74.6	64.3
75°	231.5	215.6	199.3	182.5	165.1	147.9	134.2	120.2	106.0	91.5	78.9
72.5°	287.4	267.8	247.6	226.9	206.7	186.0	164.7	144.6	128.1	111.2	94.1
70°	348.0	321.7	297.4	273.5	249.0	224.2	200.0	175.3	150.1	130.7	111.2
67.5°	412.6	383.0	352.4	320.9	292.2	264.0	235.1	207.0	178.8	150.1	128.1
65°	479.8	445.2	409.6	374.6	338.6	303.5	271.5	238.9	207.0	175.3	144.6
62.5°	544.9	508.1	468.8	428.3	388.0	347.5	307.3	271.5	235.1	200.0	164.7
60°	607.2	567.6	526.7	483.0	437.7	392.5	347.5	303.5	264.0	224.2	186.0
57.5°	668.7	625.6	581.3	535.8	487.8	437.7	388.0	338.6	292.2	249.0	206.7
55°	728.4	682.6	634.9	585.9	535.8	483.0	428.3	374.6	320.9	273.5	226.9
52.5°	784.6	737.4	687.3	634.9	581.3	526.7	468.8	409.6	352.4	297.4	247.6
50°	839.6	789.2	737.4	682.6	625.6	567.6	508.1	445.2	383.0	321.7	267.8
47.5°	893.3	839.6	784.6	728.4	668.7	607.2	544.9	479.8	412.6	348.0	287.4
45°	939.3	888.7	830.5	771.1	710.3	645.6	579.9	513.2	442.6	373.3	306.1
42.5°	982.0	931.4	874.8	812.3	748.8	682.5	613.7	544.0	471.4	397.6	326.0
40°	1025.5	970.0	915.8	852.0	785.4	717.9	646.0	573.3	498.9	421.2	346.3
37.5°	1067.6	1008.4	950.3	890.0	820.4	750.0	676.8	601.2	524.8	444.4	365.6
35°	1112.3	1046.0	983.2	923.0	853.8	780.6	706.1	627.6	548.5	466.4	383.8
32.5°	1155.3	1083.0	1016.2	951.9	885.3	809.5	733.0	652.6	570.9	487.2	401.0
30°	1194.3	1120.8	1047.5	979.1	913.7	836.6	757.6	676.0	591.8	506.6	417.3
27.5°	1230.4	1156.3	1077.5	1005.7	937.0	861.9	780.6	697.8	611.2	524.3	433.0
25°	1266.1	1187.9	1107.9	1030.7	958.6	885.3	801.8	717.9	629.2	540.1	447.4
22.5°	1304.0	1216.6	1135.9	1053.7	978.4	906.7	821.2	735.4	645.6	554.6	460.6
20°	1338.5	1242.7	1161.3	1074.9	997.0	923.0	838.8	751.1	660.4	567.6	472.4
17.5°	1370.1	1268.5	1182.9	1095.7	1013.9	937.6	854.4	765.1	673.5	579.2	483.0
15°	1401.0	1293.5	1201.7	1113.9	1028.8	950.3	868.0	777.4	685.0	589.3	492.2
12.5°	1427.5	1314.9	1217.8	1129.5	1041.5	961.1	879.6	787.8	694.7	597.8	500.0
10°	1449.4	1332.6	1231.1	1142.3	1051.9	970.0	889.2	796.4	702.8	604.9	506.4
7.5°	1466.6	1346.4	1241.5	1152.3	1060.1	977.0	896.7	803.1	709.0	610.4	511.4
5°	1479.0	1356.4	1248.9	1159.5	1065.9	982.0	902.0	807.9	713.5	614.3	515.0
2.5°	1486.4	1362.4	1253.4	1163.9	1069.4	985.0	905.2	810.7	716.2	616.7	517.2
0°	1488.9	1364.4	1254.9	1165.3	1070.6	986.0	906.3	811.7	717.1	617.5	517.9
-2.5°	1486.4	1362.4	1253.4	1163.9	1069.4	985.0	905.2	810.7	716.2	616.7	517.2
-5°	1479.0	1356.4	1248.9	1159.5	1065.9	982.0	902.0	807.9	713.5	614.3	515.0
-7.5°	1466.6	1346.4	1241.5	1152.3	1060.1	977.0	896.7	803.1	709.0	610.4	511.4
-10°	1449.4	1332.6	1231.1	1142.3	1051.9	970.0	889.2	796.4	702.8	604.9	506.4
-12.5°	1427.5	1314.9	1217.8	1129.5	1041.5	961.1	879.6	787.8	694.7	597.8	500.0
-15°	1401.0	1293.5	1201.7	1113.9	1028.8	950.3	868.0	777.4	685.0	589.3	492.2
-17.5°	1370.1	1268.5	1182.9	1095.7	1013.9	937.6	854.4	765.1	673.5	579.2	483.0
-20°	1338.5	1242.7	1161.3	1074.9	997.0	923.0	838.8	751.1	660.4	567.6	472.4

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-33

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1304.0	1216.6	1135.9	1053.7	978.4	906.7	821.2	735.4	645.6	554.6	460.6
-25°	1266.1	1187.9	1107.9	1030.7	958.6	885.3	801.8	717.9	629.2	540.1	447.4
-27.5°	1230.4	1156.3	1077.5	1005.7	937.0	861.9	780.6	697.8	611.2	524.3	433.0
-30°	1194.3	1120.8	1047.5	979.1	913.7	836.6	757.6	676.0	591.8	506.6	417.3
-32.5°	1155.3	1083.0	1016.2	951.9	885.3	809.5	733.0	652.6	570.9	487.2	401.0
-35°	1112.3	1046.0	983.2	923.0	853.8	780.6	706.1	627.6	548.5	466.4	383.8
-37.5°	1067.6	1008.4	950.3	890.0	820.4	750.0	676.8	601.2	524.8	444.4	365.6
-40°	1025.5	970.0	915.8	852.0	785.4	717.9	646.0	573.3	498.9	421.2	346.3
-42.5°	982.0	931.4	874.8	812.3	748.8	682.5	613.7	544.0	471.4	397.6	326.0
-45°	939.3	888.7	830.5	771.1	710.3	645.6	579.9	513.2	442.6	373.3	306.1
-47.5°	893.3	839.6	784.6	728.4	668.7	607.2	544.9	479.8	412.6	348.0	287.4
-50°	839.6	789.2	737.4	682.6	625.6	567.6	508.1	445.2	383.0	321.7	267.8
-52.5°	784.6	737.4	687.3	634.9	581.3	526.7	468.8	409.6	352.4	297.4	247.6
-55°	728.4	682.6	634.9	585.9	535.8	483.0	428.3	374.6	320.9	273.5	226.9
-57.5°	668.7	625.6	581.3	535.8	487.8	437.7	388.0	338.6	292.2	249.0	206.7
-60°	607.2	567.6	526.7	483.0	437.7	392.5	347.5	303.5	264.0	224.2	186.0
-62.5°	544.9	508.1	468.8	428.3	388.0	347.5	307.3	271.5	235.1	200.0	164.7
-65°	479.8	445.2	409.6	374.6	338.6	303.5	271.5	238.9	207.0	175.3	144.6
-67.5°	412.6	383.0	352.4	320.9	292.2	264.0	235.1	207.0	178.8	150.1	128.1
-70°	348.0	321.7	297.4	273.5	249.0	224.2	200.0	175.3	150.1	130.7	111.2
-72.5°	287.4	267.8	247.6	226.9	206.7	186.0	164.7	144.6	128.1	111.2	94.1
-75°	231.5	215.6	199.3	182.5	165.1	147.9	134.2	120.2	106.0	91.5	78.9
-77.5°	178.4	165.3	151.7	140.6	129.7	118.6	107.2	95.5	84.6	74.6	64.3
-80°	131.2	123.3	115.1	106.7	98.1	89.2	81.6	73.8	65.9	57.8	49.6
-82.5°	91.0	85.9	80.8	75.5	70.1	64.5	58.8	53.0	47.0	41.0	35.8
-85°	57.2	54.0	50.6	47.1	43.5	39.8	36.7	33.6	30.4	27.2	23.9
-87.5°	26.9	25.6	24.2	22.8	21.4	19.9	18.4	16.8	15.2	13.6	12.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P624799 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-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°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
85°	20.6	17.2	13.8	10.4	6.9	3.5	0.0
82.5°	30.8	25.8	20.7	15.5	10.4	5.2	0.0
80°	41.3	34.3	27.5	20.7	13.8	6.9	0.0
77.5°	54.0	43.5	34.3	25.8	17.2	8.6	0.0
75°	66.5	54.0	41.3	30.8	20.6	10.3	0.0
72.5°	78.9	64.3	49.6	35.8	23.9	12.0	0.0
70°	91.5	74.6	57.8	41.0	27.2	13.6	0.0
67.5°	106.0	84.6	65.9	47.0	30.4	15.2	0.0
65°	120.2	95.5	73.8	53.0	33.6	16.8	0.0
62.5°	134.2	107.2	81.6	58.8	36.7	18.4	0.0
60°	147.9	118.6	89.2	64.5	39.8	19.9	0.0
57.5°	165.1	129.7	98.1	70.1	43.5	21.4	0.0
55°	182.5	140.6	106.7	75.5	47.1	22.8	0.0
52.5°	199.3	151.7	115.1	80.8	50.6	24.2	0.0
50°	215.6	165.3	123.3	85.9	54.0	25.6	0.0
47.5°	231.5	178.4	131.2	91.0	57.2	26.9	0.0
45°	247.6	191.0	138.7	96.7	60.4	28.1	0.0
42.5°	263.0	203.0	145.9	102.1	63.4	29.3	0.0
40°	277.7	214.6	154.0	107.3	66.3	30.5	0.0
37.5°	291.7	225.5	162.7	112.2	69.0	31.6	0.0
35°	304.9	236.3	171.0	116.8	71.6	32.6	0.0
32.5°	318.0	246.6	178.8	121.2	74.0	33.6	0.0
30°	331.7	256.3	186.0	125.3	76.2	34.5	0.0
27.5°	344.5	265.3	192.8	129.0	78.3	35.3	0.0
25°	356.2	273.5	199.0	132.5	80.2	36.1	0.0
22.5°	366.9	281.0	204.6	135.7	82.0	36.8	0.0
20°	376.5	287.8	209.7	138.5	83.6	37.4	0.0
17.5°	385.0	293.8	214.2	141.1	85.0	38.0	0.0
15°	392.5	299.1	218.1	143.3	86.2	38.4	0.0
12.5°	398.8	303.5	221.5	145.1	87.2	38.9	0.0
10°	404.0	307.2	224.2	146.7	88.1	39.2	0.0
7.5°	408.1	310.0	226.3	147.9	88.7	39.5	0.0
5°	411.0	312.1	227.9	148.7	89.2	39.6	0.0
2.5°	412.7	313.3	228.8	149.2	89.5	39.8	0.0
0°	413.3	313.7	229.1	149.4	89.6	39.8	0.0
-2.5°	412.7	313.3	228.8	149.2	89.5	39.8	0.0
-5°	411.0	312.1	227.9	148.7	89.2	39.6	0.0
-7.5°	408.1	310.0	226.3	147.9	88.7	39.5	0.0
-10°	404.0	307.2	224.2	146.7	88.1	39.2	0.0
-12.5°	398.8	303.5	221.5	145.1	87.2	38.9	0.0
-15°	392.5	299.1	218.1	143.3	86.2	38.4	0.0
-17.5°	385.0	293.8	214.2	141.1	85.0	38.0	0.0
-20°	376.5	287.8	209.7	138.5	83.6	37.4	0.0

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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-33

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	366.9	281.0	204.6	135.7	82.0	36.8	0.0
-25°	356.2	273.5	199.0	132.5	80.2	36.1	0.0
-27.5°	344.5	265.3	192.8	129.0	78.3	35.3	0.0
-30°	331.7	256.3	186.0	125.3	76.2	34.5	0.0
-32.5°	318.0	246.6	178.8	121.2	74.0	33.6	0.0
-35°	304.9	236.3	171.0	116.8	71.6	32.6	0.0
-37.5°	291.7	225.5	162.7	112.2	69.0	31.6	0.0
-40°	277.7	214.6	154.0	107.3	66.3	30.5	0.0
-42.5°	263.0	203.0	145.9	102.1	63.4	29.3	0.0
-45°	247.6	191.0	138.7	96.7	60.4	28.1	0.0
-47.5°	231.5	178.4	131.2	91.0	57.2	26.9	0.0
-50°	215.6	165.3	123.3	85.9	54.0	25.6	0.0
-52.5°	199.3	151.7	115.1	80.8	50.6	24.2	0.0
-55°	182.5	140.6	106.7	75.5	47.1	22.8	0.0
-57.5°	165.1	129.7	98.1	70.1	43.5	21.4	0.0
-60°	147.9	118.6	89.2	64.5	39.8	19.9	0.0
-62.5°	134.2	107.2	81.6	58.8	36.7	18.4	0.0
-65°	120.2	95.5	73.8	53.0	33.6	16.8	0.0
-67.5°	106.0	84.6	65.9	47.0	30.4	15.2	0.0
-70°	91.5	74.6	57.8	41.0	27.2	13.6	0.0
-72.5°	78.9	64.3	49.6	35.8	23.9	12.0	0.0
-75°	66.5	54.0	41.3	30.8	20.6	10.3	0.0
-77.5°	54.0	43.5	34.3	25.8	17.2	8.6	0.0
-80°	41.3	34.3	27.5	20.7	13.8	6.9	0.0
-82.5°	30.8	25.8	20.7	15.5	10.4	5.2	0.0
-85°	20.6	17.2	13.8	10.4	6.9	3.5	0.0
-87.5°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)