

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: McGRAW-EDISON

Report Number: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-722-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4B-722-U-VWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N85
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

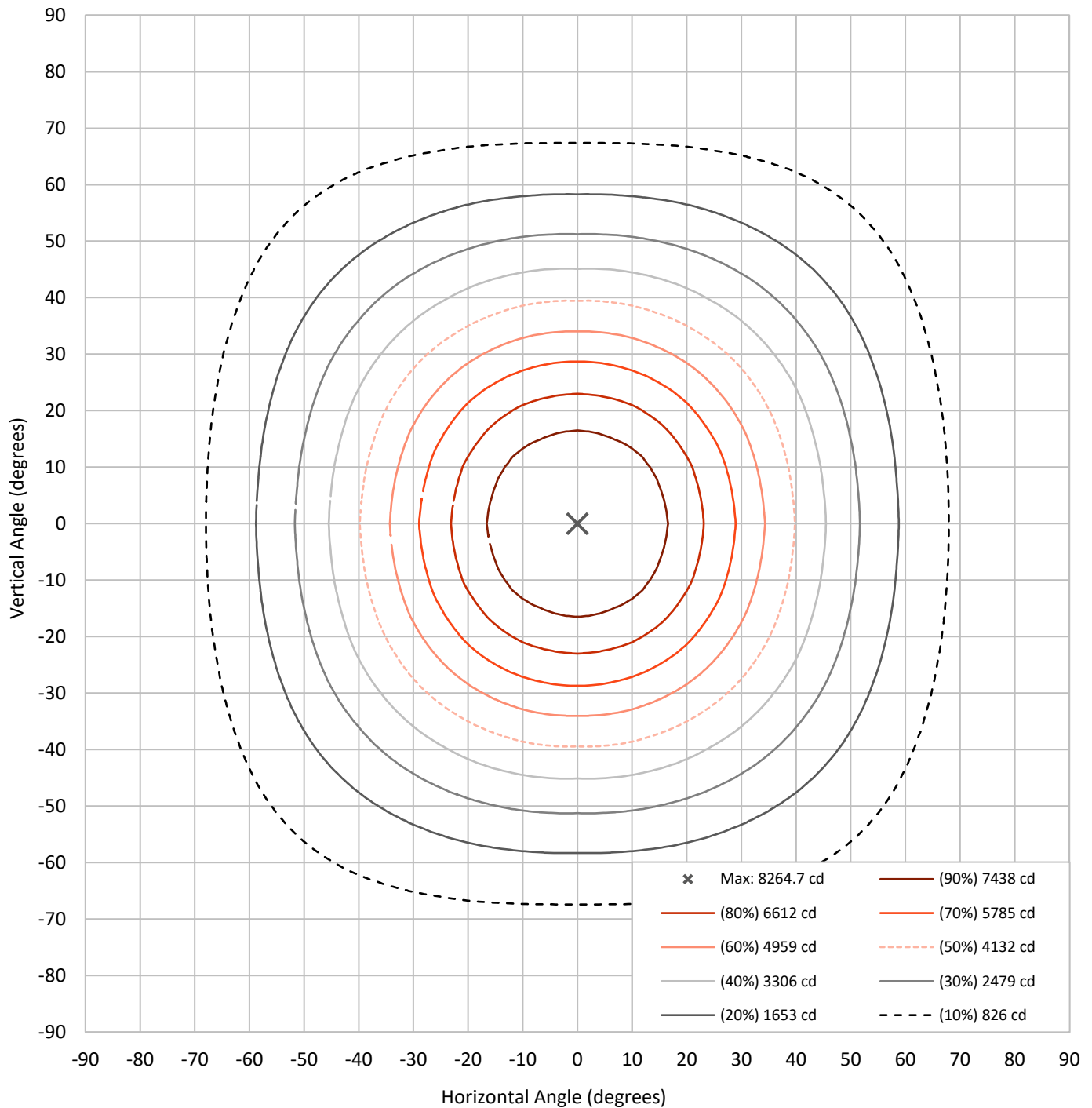
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14937.8 lumens	Max Intensity:	8264.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	8761.1 lumens	Field Lumens:	14240.6 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	129.5		
Input Voltage (V):	120		
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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Iso-Candela Plot



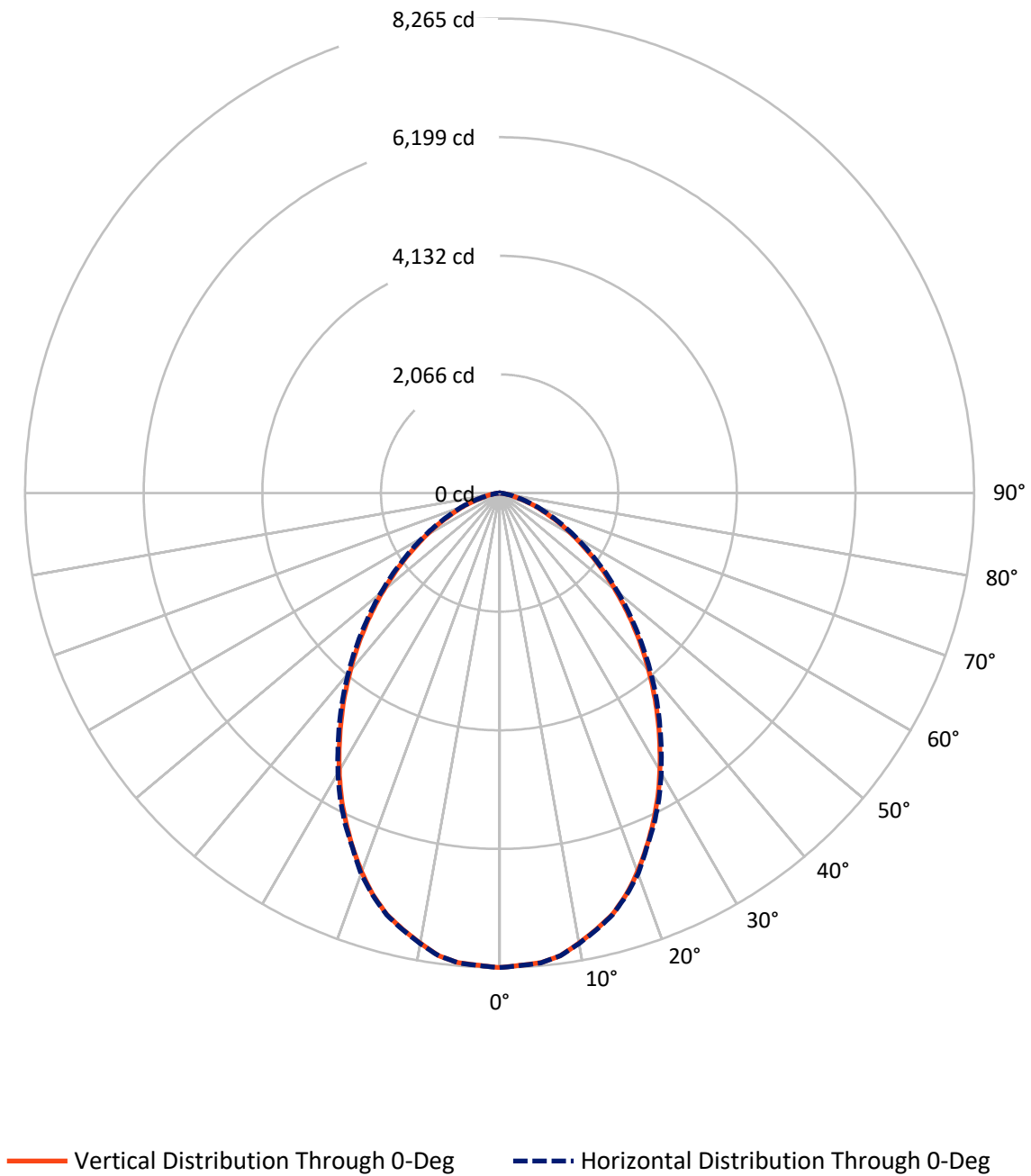
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Lumen Table

90															90	
80	0.5	6.1		16.7		28.3		26.7		28.3		16.7		6.1		0.5
70															70	
60	2.8	3.8	7.7	13.2	19.3	24.9	29.1	31.2	31.2	29.1	24.9	19.3	13.2	7.7	3.8	2.8
		5.7	12.6	22.4	33.9	46.1	56.1	61.3	61.3	56.1	46.1	33.9	22.4	12.6	5.7	
50	4.9	7.7	18.2	33.5	53.1	73.6	90.8	100.2	100.2	90.8	73.6	53.1	33.5	18.2	7.7	4.9
		9.8	24.1	46.2	74.4	104.3	129.8	144.3	144.3	129.8	104.3	74.4	46.2	24.1	9.8	
40	6.3	11.7	29.6	58.0	94.7	134.4	169.1	189.0	189.0	169.1	134.4	94.7	58.0	29.6	11.7	6.3
		13.2	33.9	66.9	110.6	158.9	201.5	225.7	225.7	201.5	158.9	110.6	66.9	33.9	13.2	
30	6.8	14.0	36.3	72.0	119.4	172.4	219.0	244.5	244.5	219.0	172.4	119.4	72.0	36.3	14.0	6.8
		14.0	36.3	72.0	119.4	172.4	219.0	244.5	244.5	219.0	172.4	119.4	72.0	36.3	14.0	
20	6.3	13.2	33.9	66.9	110.6	158.9	201.5	225.7	225.7	201.5	158.9	110.6	66.9	33.9	13.2	6.3
		11.7	29.6	58.0	94.7	134.4	169.1	189.0	189.0	169.1	134.4	94.7	58.0	29.6	11.7	
10	4.9	9.8	24.1	46.2	74.4	104.3	129.8	144.3	144.3	129.8	104.3	74.4	46.2	24.1	9.8	4.9
		7.7	18.2	33.5	53.1	73.6	90.8	100.2	100.2	90.8	73.6	53.1	33.5	18.2	7.7	
0	2.8	5.7	12.6	22.4	33.9	46.1	56.1	61.3	61.3	56.1	46.1	33.9	22.4	12.6	5.7	2.8
		3.8	7.7	13.2	19.3	24.9	29.1	31.2	31.2	29.1	24.9	19.3	13.2	7.7	3.8	
-10	6.3	14.0	36.3	72.0	119.4	172.4	219.0	244.5	244.5	219.0	172.4	119.4	72.0	36.3	14.0	6.3
		13.2	33.9	66.9	110.6	158.9	201.5	225.7	225.7	201.5	158.9	110.6	66.9	33.9	13.2	
-20	4.9	11.7	29.6	58.0	94.7	134.4	169.1	189.0	189.0	169.1	134.4	94.7	58.0	29.6	11.7	4.9
		9.8	24.1	46.2	74.4	104.3	129.8	144.3	144.3	129.8	104.3	74.4	46.2	24.1	9.8	
-30	6.8	14.0	36.3	72.0	119.4	172.4	219.0	244.5	244.5	219.0	172.4	119.4	72.0	36.3	14.0	6.8
		13.2	33.9	66.9	110.6	158.9	201.5	225.7	225.7	201.5	158.9	110.6	66.9	33.9	13.2	
-40	6.3	11.7	29.6	58.0	94.7	134.4	169.1	189.0	189.0	169.1	134.4	94.7	58.0	29.6	11.7	6.3
		9.8	24.1	46.2	74.4	104.3	129.8	144.3	144.3	129.8	104.3	74.4	46.2	24.1	9.8	
-50	4.9	7.7	18.2	33.5	53.1	73.6	90.8	100.2	100.2	90.8	73.6	53.1	33.5	18.2	7.7	4.9
		5.7	12.6	22.4	33.9	46.1	56.1	61.3	61.3	56.1	46.1	33.9	22.4	12.6	5.7	
-60	2.8	3.8	7.7	13.2	19.3	24.9	29.1	31.2	31.2	29.1	24.9	19.3	13.2	7.7	3.8	2.8
-70	0.5															0.5
-80	6.1															6.1
-90	16.7															16.7
-90	28.3															28.3
-90	26.7															26.7
-90	28.3															28.3
-90	16.7															16.7
-90	6.1															6.1
-90	0.5															0.5

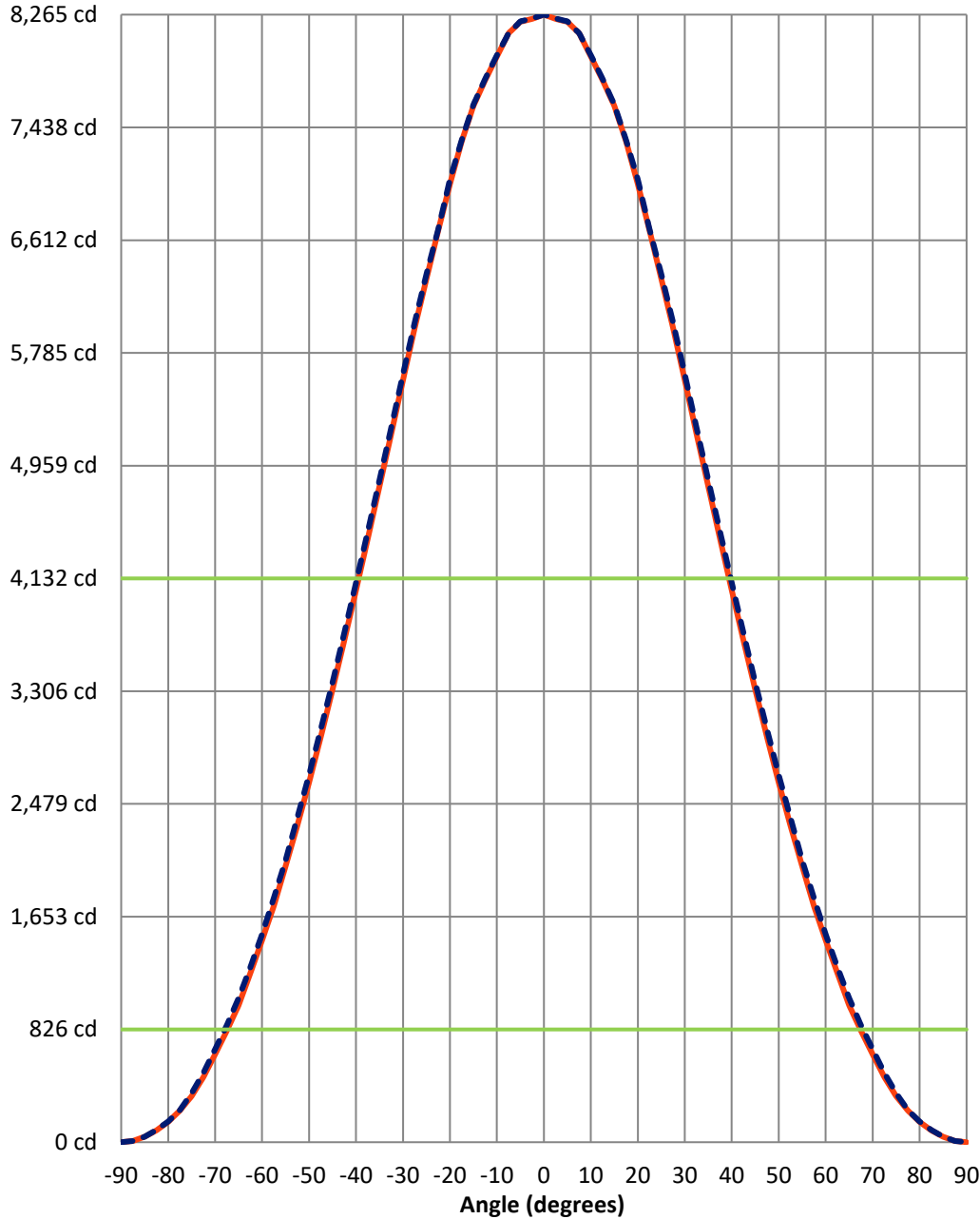
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 8761.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 14240.6
 Efficiency: 95.3%

Spill:
 Lumens: 697.2
 Efficiency: 4.7%

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

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Scaled Data Report



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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	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
85°	0.0	0.9	2.2	3.2	4.3	5.4	6.4	7.4	8.5	9.5	10.5
82.5°	0.0	1.4	3.2	4.8	6.4	8.0	9.6	11.2	14.0	22.0	29.6
80°	0.0	1.9	4.3	6.4	8.6	10.7	14.4	25.7	36.5	46.9	56.9
77.5°	0.0	2.3	5.3	8.0	10.7	16.7	31.4	45.6	59.0	71.8	87.6
75°	0.0	2.8	6.4	9.6	13.9	29.0	48.0	65.4	82.1	105.0	129.4
72.5°	0.0	3.2	7.4	11.2	22.2	40.8	64.1	86.7	112.9	140.8	170.4
70°	0.0	3.7	8.3	13.4	30.2	52.3	80.2	112.2	143.1	176.0	214.4
67.5°	0.0	4.1	9.3	18.3	37.8	63.2	99.5	137.2	172.6	214.1	258.2
65°	0.0	4.5	10.2	23.1	45.2	75.5	118.0	161.5	204.4	251.1	299.1
62.5°	0.0	4.9	11.1	27.6	52.1	89.0	135.5	186.8	235.2	286.5	335.8
60°	0.0	5.3	12.0	31.9	58.7	101.7	152.0	211.9	264.9	319.6	371.9
57.5°	0.0	5.7	14.4	35.9	67.4	113.7	169.4	235.4	294.1	352.1	406.1
55°	0.0	6.1	16.7	39.7	75.7	124.8	185.9	255.6	322.8	383.5	439.0
52.5°	0.0	6.4	19.0	43.2	83.4	135.3	201.2	276.6	350.9	412.5	471.0
50°	0.0	6.7	21.2	46.3	90.5	146.5	215.1	296.6	377.5	440.6	507.8
47.5°	0.0	7.1	23.2	49.6	97.0	156.8	228.2	315.2	401.7	467.7	543.8
45°	0.0	7.4	25.2	53.9	102.8	166.0	242.8	332.3	420.5	498.5	578.2
42.5°	0.0	7.6	27.1	57.8	107.9	174.2	256.1	348.1	438.5	527.9	618.7
40°	0.0	7.9	28.8	61.8	113.1	181.4	268.2	363.0	457.2	555.4	658.2
37.5°	0.0	8.1	30.5	65.7	118.3	187.5	279.1	377.2	478.1	581.6	695.2
35°	0.0	8.3	32.0	69.4	122.7	194.6	288.6	390.5	498.6	611.7	732.5
32.5°	0.0	8.5	33.4	72.8	126.4	201.7	297.5	403.0	518.4	640.6	772.0
30°	0.0	8.7	34.7	75.9	129.3	207.7	306.7	415.5	537.5	668.3	809.0
27.5°	0.0	8.9	35.8	78.7	133.8	212.7	315.0	430.0	557.2	694.6	843.2
25°	0.0	9.0	36.9	81.2	137.9	216.7	322.2	443.4	577.8	721.3	874.9
22.5°	0.0	9.1	37.8	83.4	141.6	220.7	328.5	455.7	596.7	746.6	908.7
20°	0.0	9.2	38.5	85.3	144.7	226.2	333.6	466.8	613.9	769.2	939.0
17.5°	0.0	9.3	39.2	86.9	147.4	230.6	340.0	476.6	629.2	789.0	965.7
15°	0.0	9.4	39.7	88.2	149.5	234.1	346.7	485.9	642.5	806.0	988.7
12.5°	0.0	9.4	40.1	89.2	151.2	236.6	352.2	494.7	654.5	820.1	1007.9
10°	0.0	9.4	40.4	89.9	152.3	238.2	356.3	501.4	664.9	833.4	1024.2
7.5°	0.0	9.4	40.6	90.3	152.9	238.8	359.1	506.1	672.9	844.1	1038.2
5°	0.0	9.4	40.6	90.4	153.0	238.5	360.6	508.8	678.4	851.8	1048.2
2.5°	0.0	9.4	40.5	90.3	152.7	237.4	360.7	509.4	681.3	856.5	1054.3
0°	0.0	9.3	40.3	89.8	151.8	235.4	359.3	508.0	681.5	858.1	1056.3
-2.5°	0.0	9.4	40.5	90.3	152.7	237.4	360.7	509.4	681.3	856.5	1054.3
-5°	0.0	9.4	40.6	90.4	153.0	238.5	360.6	508.8	678.4	851.8	1048.2
-7.5°	0.0	9.4	40.6	90.3	152.9	238.8	359.1	506.1	672.9	844.1	1038.2
-10°	0.0	9.4	40.4	89.9	152.3	238.2	356.3	501.4	664.9	833.4	1024.2
-12.5°	0.0	9.4	40.1	89.2	151.2	236.6	352.2	494.7	654.5	820.1	1007.9
-15°	0.0	9.4	39.7	88.2	149.5	234.1	346.7	485.9	642.5	806.0	988.7
-17.5°	0.0	9.3	39.2	86.9	147.4	230.6	340.0	476.6	629.2	789.0	965.7
-20°	0.0	9.2	38.5	85.3	144.7	226.2	333.6	466.8	613.9	769.2	939.0



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.1	37.8	83.4	141.6	220.7	328.5	455.7	596.7	746.6	908.7
-25°	0.0	9.0	36.9	81.2	137.9	216.7	322.2	443.4	577.8	721.3	874.9
-27.5°	0.0	8.9	35.8	78.7	133.8	212.7	315.0	430.0	557.2	694.6	843.2
-30°	0.0	8.7	34.7	75.9	129.3	207.7	306.7	415.5	537.5	668.3	809.0
-32.5°	0.0	8.5	33.4	72.8	126.4	201.7	297.5	403.0	518.4	640.6	772.0
-35°	0.0	8.3	32.0	69.4	122.7	194.6	288.6	390.5	498.6	611.7	732.5
-37.5°	0.0	8.1	30.5	65.7	118.3	187.5	279.1	377.2	478.1	581.6	695.2
-40°	0.0	7.9	28.8	61.8	113.1	181.4	268.2	363.0	457.2	555.4	658.2
-42.5°	0.0	7.6	27.1	57.8	107.9	174.2	256.1	348.1	438.5	527.9	618.7
-45°	0.0	7.4	25.2	53.9	102.8	166.0	242.8	332.3	420.5	498.5	578.2
-47.5°	0.0	7.1	23.2	49.6	97.0	156.8	228.2	315.2	401.7	467.7	543.8
-50°	0.0	6.7	21.2	46.3	90.5	146.5	215.1	296.6	377.5	440.6	507.8
-52.5°	0.0	6.4	19.0	43.2	83.4	135.3	201.2	276.6	350.9	412.5	471.0
-55°	0.0	6.1	16.7	39.7	75.7	124.8	185.9	255.6	322.8	383.5	439.0
-57.5°	0.0	5.7	14.4	35.9	67.4	113.7	169.4	235.4	294.1	352.1	406.1
-60°	0.0	5.3	12.0	31.9	58.7	101.7	152.0	211.9	264.9	319.6	371.9
-62.5°	0.0	4.9	11.1	27.6	52.1	89.0	135.5	186.8	235.2	286.5	335.8
-65°	0.0	4.5	10.2	23.1	45.2	75.5	118.0	161.5	204.4	251.1	299.1
-67.5°	0.0	4.1	9.3	18.3	37.8	63.2	99.5	137.2	172.6	214.1	258.2
-70°	0.0	3.7	8.3	13.4	30.2	52.3	80.2	112.2	143.1	176.0	214.4
-72.5°	0.0	3.2	7.4	11.2	22.2	40.8	64.1	86.7	112.9	140.8	170.4
-75°	0.0	2.8	6.4	9.6	13.9	29.0	48.0	65.4	82.1	105.0	129.4
-77.5°	0.0	2.3	5.3	8.0	10.7	16.7	31.4	45.6	59.0	71.8	87.6
-80°	0.0	1.9	4.3	6.4	8.6	10.7	14.4	25.7	36.5	46.9	56.9
-82.5°	0.0	1.4	3.2	4.8	6.4	8.0	9.6	11.2	14.0	22.0	29.6
-85°	0.0	0.9	2.2	3.2	4.3	5.4	6.4	7.4	8.5	9.5	10.5
-87.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	7.0	7.9	8.9	9.0	9.0	8.9	8.8	9.1	9.5	9.8
85°	12.1	13.9	19.3	24.5	27.0	28.6	29.3	29.2	33.9	39.4	45.4
82.5°	37.7	45.4	52.8	59.9	61.7	61.8	61.2	61.4	72.5	85.3	98.4
80°	67.1	76.9	90.0	101.6	106.6	109.3	110.5	110.3	124.4	143.1	162.9
77.5°	106.4	123.0	137.5	149.8	156.4	162.2	167.0	170.6	188.7	212.5	236.0
75°	151.3	169.5	187.6	203.4	214.4	222.5	230.1	242.4	266.1	293.9	317.9
72.5°	198.7	221.9	242.0	259.1	274.6	291.0	309.4	329.6	354.6	382.3	407.5
70°	249.2	274.7	295.8	316.4	337.5	362.1	389.7	416.9	444.8	475.3	504.7
67.5°	298.6	323.2	348.1	374.1	405.6	438.6	471.2	508.6	546.9	580.8	611.1
65°	341.5	370.4	401.5	436.8	475.7	517.6	561.2	606.0	654.6	695.3	732.4
62.5°	382.5	417.3	455.0	499.0	548.7	598.3	653.8	710.0	764.6	812.6	857.0
60°	420.3	462.4	510.2	564.1	622.2	688.0	751.2	815.1	875.1	929.4	985.4
57.5°	457.1	510.0	567.4	632.2	705.5	779.4	853.7	922.5	990.4	1056.6	1120.0
55°	496.0	559.9	628.1	707.5	790.1	877.6	957.7	1034.4	1109.2	1189.5	1265.8
52.5°	538.8	610.2	695.5	784.4	879.9	973.8	1061.7	1149.1	1239.5	1330.4	1429.8
50°	580.2	669.1	762.6	865.9	969.1	1069.8	1170.6	1271.2	1379.5	1491.1	1603.7
47.5°	628.5	725.5	836.0	946.8	1059.5	1171.5	1283.8	1405.5	1528.6	1657.9	1782.5
45°	677.3	786.3	905.4	1030.8	1152.7	1276.6	1408.0	1542.5	1686.8	1829.0	1978.9
42.5°	723.6	846.8	978.1	1113.5	1249.1	1387.6	1532.1	1689.2	1846.9	2010.9	2175.5
40°	774.9	904.4	1049.2	1198.3	1345.4	1499.0	1664.1	1834.2	2012.6	2192.9	2371.7
37.5°	824.2	966.5	1118.7	1279.2	1444.4	1613.1	1792.4	1985.5	2179.0	2373.0	2570.2
35°	870.3	1025.5	1190.3	1360.7	1535.9	1727.8	1928.2	2134.4	2343.9	2553.8	2766.0
32.5°	917.8	1081.1	1258.7	1441.1	1634.1	1839.9	2059.5	2282.8	2506.0	2730.2	2962.4
30°	965.5	1139.4	1325.0	1517.1	1728.2	1952.5	2188.4	2425.0	2661.2	2907.8	3155.3
27.5°	1010.5	1194.7	1390.1	1595.7	1818.4	2056.7	2307.2	2560.7	2815.3	3077.6	3341.5
25°	1051.9	1247.0	1450.6	1671.3	1907.3	2157.0	2418.0	2682.5	2961.8	3242.4	3518.0
22.5°	1092.3	1295.1	1506.5	1740.9	1987.9	2250.1	2521.9	2801.2	3093.0	3394.3	3679.7
20°	1131.2	1341.0	1561.0	1804.0	2060.1	2334.0	2616.3	2908.8	3215.0	3524.4	3831.2
17.5°	1165.7	1381.7	1611.7	1863.0	2129.0	2410.6	2701.4	3003.6	3323.3	3644.0	3969.2
15°	1195.8	1417.2	1655.6	1914.5	2189.9	2480.3	2780.4	3091.1	3419.1	3753.1	4091.0
12.5°	1221.2	1447.2	1692.6	1958.3	2241.6	2540.0	2848.3	3169.9	3506.7	3850.0	4197.8
10°	1241.9	1471.6	1722.5	1994.1	2283.8	2589.4	2904.2	3234.8	3581.8	3932.5	4287.6
7.5°	1259.4	1492.0	1746.2	2021.7	2316.3	2628.1	2947.7	3285.5	3641.6	3996.9	4359.8
5°	1272.2	1508.6	1768.0	2044.8	2344.6	2658.3	2980.7	3321.6	3685.3	4042.7	4412.1
2.5°	1279.9	1519.3	1782.9	2059.8	2366.8	2680.9	3010.0	3353.5	3717.3	4079.1	4451.4
0°	1282.5	1524.1	1790.5	2066.2	2379.0	2691.9	3026.5	3370.3	3732.8	4101.4	4476.2
-2.5°	1279.9	1519.3	1782.9	2059.8	2366.8	2680.9	3010.0	3353.5	3717.3	4079.1	4451.4
-5°	1272.2	1508.6	1768.0	2044.8	2344.6	2658.3	2980.7	3321.6	3685.3	4042.7	4412.1
-7.5°	1259.4	1492.0	1746.2	2021.7	2316.3	2628.1	2947.7	3285.5	3641.6	3996.9	4359.8
-10°	1241.9	1471.6	1722.5	1994.1	2283.8	2589.4	2904.2	3234.8	3581.8	3932.5	4287.6
-12.5°	1221.2	1447.2	1692.6	1958.3	2241.6	2540.0	2848.3	3169.9	3506.7	3850.0	4197.8
-15°	1195.8	1417.2	1655.6	1914.5	2189.9	2480.3	2780.4	3091.1	3419.1	3753.1	4091.0
-17.5°	1165.7	1381.7	1611.7	1863.0	2129.0	2410.6	2701.4	3003.6	3323.3	3644.0	3969.2
-20°	1131.2	1341.0	1561.0	1804.0	2060.1	2334.0	2616.3	2908.8	3215.0	3524.4	3831.2



REPORT NUMBER: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1092.3	1295.1	1506.5	1740.9	1987.9	2250.1	2521.9	2801.2	3093.0	3394.3	3679.7
-25°	1051.9	1247.0	1450.6	1671.3	1907.3	2157.0	2418.0	2682.5	2961.8	3242.4	3518.0
-27.5°	1010.5	1194.7	1390.1	1595.7	1818.4	2056.7	2307.2	2560.7	2815.3	3077.6	3341.5
-30°	965.5	1139.4	1325.0	1517.1	1728.2	1952.5	2188.4	2425.0	2661.2	2907.8	3155.3
-32.5°	917.8	1081.1	1258.7	1441.1	1634.1	1839.9	2059.5	2282.8	2506.0	2730.2	2962.4
-35°	870.3	1025.5	1190.3	1360.7	1535.9	1727.8	1928.2	2134.4	2343.9	2553.8	2766.0
-37.5°	824.2	966.5	1118.7	1279.2	1444.4	1613.1	1792.4	1985.5	2179.0	2373.0	2570.2
-40°	774.9	904.4	1049.2	1198.3	1345.4	1499.0	1664.1	1834.2	2012.6	2192.9	2371.7
-42.5°	723.6	846.8	978.1	1113.5	1249.1	1387.6	1532.1	1689.2	1846.9	2010.9	2175.5
-45°	677.3	786.3	905.4	1030.8	1152.7	1276.6	1408.0	1542.5	1686.8	1829.0	1978.9
-47.5°	628.5	725.5	836.0	946.8	1059.5	1171.5	1283.8	1405.5	1528.6	1657.9	1782.5
-50°	580.2	669.1	762.6	865.9	969.1	1069.8	1170.6	1271.2	1379.5	1491.1	1603.7
-52.5°	538.8	610.2	695.5	784.4	879.9	973.8	1061.7	1149.1	1239.5	1330.4	1429.8
-55°	496.0	559.9	628.1	707.5	790.1	877.6	957.7	1034.4	1109.2	1189.5	1265.8
-57.5°	457.1	510.0	567.4	632.2	705.5	779.4	853.7	922.5	990.4	1056.6	1120.0
-60°	420.3	462.4	510.2	564.1	622.2	688.0	751.2	815.1	875.1	929.4	985.4
-62.5°	382.5	417.3	455.0	499.0	548.7	598.3	653.8	710.0	764.6	812.6	857.0
-65°	341.5	370.4	401.5	436.8	475.7	517.6	561.2	606.0	654.6	695.3	732.4
-67.5°	298.6	323.2	348.1	374.1	405.6	438.6	471.2	508.6	546.9	580.8	611.1
-70°	249.2	274.7	295.8	316.4	337.5	362.1	389.7	416.9	444.8	475.3	504.7
-72.5°	198.7	221.9	242.0	259.1	274.6	291.0	309.4	329.6	354.6	382.3	407.5
-75°	151.3	169.5	187.6	203.4	214.4	222.5	230.1	242.4	266.1	293.9	317.9
-77.5°	106.4	123.0	137.5	149.8	156.4	162.2	167.0	170.6	188.7	212.5	236.0
-80°	67.1	76.9	90.0	101.6	106.6	109.3	110.5	110.3	124.4	143.1	162.9
-82.5°	37.7	45.4	52.8	59.9	61.7	61.8	61.2	61.4	72.5	85.3	98.4
-85°	12.1	13.9	19.3	24.5	27.0	28.6	29.3	29.2	33.9	39.4	45.4
-87.5°	6.1	7.0	7.9	8.9	9.0	9.0	8.9	8.8	9.1	9.5	9.8
-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: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

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°	10.2	10.5	10.7	11.0	11.2	11.5	11.7	11.8	12.0	11.4	10.7
85°	51.7	55.4	58.8	62.1	65.2	68.1	70.9	73.5	75.8	69.3	62.0
82.5°	111.7	120.7	129.2	137.7	146.1	148.3	148.9	148.6	147.5	135.9	123.1
80°	182.4	197.6	211.9	226.1	240.1	241.7	240.1	237.2	233.1	218.0	200.8
77.5°	259.5	278.6	295.4	310.7	324.7	327.3	326.9	326.2	325.0	309.6	290.9
75°	338.6	357.3	375.3	390.7	403.5	409.3	412.2	414.3	415.4	404.3	389.7
72.5°	430.3	449.8	465.7	480.6	493.2	502.3	508.8	513.8	517.1	513.7	507.8
70°	529.8	550.6	568.2	585.0	602.1	615.8	626.1	633.6	638.4	641.5	643.7
67.5°	641.8	669.8	694.2	715.1	735.8	755.1	771.0	784.0	794.1	802.6	809.2
65°	768.0	803.8	835.5	864.6	891.3	919.4	942.5	961.9	977.5	990.3	1000.7
62.5°	900.6	944.5	985.2	1024.8	1063.6	1101.7	1131.0	1157.7	1181.4	1201.8	1218.1
60°	1038.5	1088.4	1143.1	1195.3	1243.3	1287.3	1330.9	1368.6	1400.9	1427.7	1449.4
57.5°	1186.7	1251.2	1315.2	1380.1	1441.4	1498.7	1552.4	1599.7	1639.7	1672.6	1700.1
55°	1346.7	1427.5	1501.7	1583.5	1662.6	1734.5	1797.9	1853.6	1901.7	1942.1	1976.3
52.5°	1522.8	1620.9	1717.3	1810.4	1900.1	1983.6	2059.4	2124.3	2182.0	2231.4	2270.9
50°	1715.4	1827.7	1939.3	2042.9	2146.0	2242.2	2329.2	2404.4	2471.5	2529.6	2575.3
47.5°	1916.8	2044.6	2169.3	2287.9	2402.0	2508.9	2603.0	2688.8	2772.5	2840.7	2894.7
45°	2126.0	2269.3	2406.9	2542.4	2668.1	2787.9	2904.1	3010.9	3096.8	3171.9	3235.1
42.5°	2337.6	2497.6	2651.6	2799.5	2937.6	3076.3	3206.9	3323.7	3421.6	3507.1	3578.9
40°	2552.1	2727.2	2896.9	3058.1	3216.1	3367.2	3508.5	3631.7	3742.1	3843.7	3928.3
37.5°	2765.5	2958.1	3146.1	3326.7	3500.6	3664.4	3817.1	3956.2	4080.8	4196.5	4290.4
35°	2979.8	3191.1	3397.0	3595.7	3785.7	3966.3	4133.5	4291.8	4438.7	4555.9	4651.9
32.5°	3193.3	3420.5	3644.5	3863.3	4071.2	4266.0	4447.1	4622.1	4773.1	4901.9	5012.4
30°	3399.8	3646.0	3890.0	4127.2	4351.8	4562.8	4763.4	4948.4	5110.9	5251.8	5375.7
27.5°	3602.6	3867.1	4128.8	4382.2	4625.0	4854.3	5073.2	5273.8	5451.2	5604.3	5734.9
25°	3794.2	4078.4	4357.4	4626.1	4885.5	5138.4	5374.8	5593.8	5783.2	5951.2	6085.4
22.5°	3977.2	4280.4	4573.5	4856.1	5133.6	5406.3	5665.1	5893.7	6094.4	6270.0	6418.6
20°	4147.8	4472.6	4772.5	5071.4	5363.8	5654.9	5932.7	6173.9	6386.3	6573.3	6737.1
17.5°	4307.2	4640.4	4956.1	5274.4	5582.5	5887.9	6170.1	6428.7	6657.9	6856.4	7027.9
15°	4442.1	4778.6	5123.5	5463.3	5788.2	6097.4	6379.4	6649.4	6903.9	7118.6	7292.6
12.5°	4551.4	4901.3	5261.1	5621.9	5965.4	6274.2	6569.5	6843.4	7110.7	7351.9	7511.8
10°	4644.5	5004.8	5376.3	5744.2	6092.3	6419.1	6740.1	7029.7	7292.3	7508.4	7686.9
7.5°	4725.0	5096.2	5473.5	5841.9	6188.9	6526.6	6857.0	7164.6	7429.7	7633.2	7792.5
5°	4784.4	5164.4	5549.0	5920.8	6272.6	6611.4	6943.3	7247.1	7505.9	7713.0	7886.6
2.5°	4826.9	5210.5	5597.8	5970.2	6329.8	6669.4	7009.6	7316.8	7567.4	7757.1	7923.5
0°	4854.1	5238.2	5628.6	6009.6	6362.7	6691.1	7056.6	7344.7	7604.9	7793.9	7967.3
-2.5°	4826.9	5210.5	5597.8	5970.2	6329.8	6669.4	7009.6	7316.8	7567.4	7757.1	7923.5
-5°	4784.4	5164.4	5549.0	5920.8	6272.6	6611.4	6943.3	7247.1	7505.9	7713.0	7886.6
-7.5°	4725.0	5096.2	5473.5	5841.9	6188.9	6526.6	6857.0	7164.6	7429.7	7633.2	7792.5
-10°	4644.5	5004.8	5376.3	5744.2	6092.3	6419.1	6740.1	7029.7	7292.3	7508.4	7686.9
-12.5°	4551.4	4901.3	5261.1	5621.9	5965.4	6274.2	6569.5	6843.4	7110.7	7351.9	7511.8
-15°	4442.1	4778.6	5123.5	5463.3	5788.2	6097.4	6379.4	6649.4	6903.9	7118.6	7292.6
-17.5°	4307.2	4640.4	4956.1	5274.4	5582.5	5887.9	6170.1	6428.7	6657.9	6856.4	7027.9
-20°	4147.8	4472.6	4772.5	5071.4	5363.8	5654.9	5932.7	6173.9	6386.3	6573.3	6737.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3977.2	4280.4	4573.5	4856.1	5133.6	5406.3	5665.1	5893.7	6094.4	6270.0	6418.6
-25°	3794.2	4078.4	4357.4	4626.1	4885.5	5138.4	5374.8	5593.8	5783.2	5951.2	6085.4
-27.5°	3602.6	3867.1	4128.8	4382.2	4625.0	4854.3	5073.2	5273.8	5451.2	5604.3	5734.9
-30°	3399.8	3646.0	3890.0	4127.2	4351.8	4562.8	4763.4	4948.4	5110.9	5251.8	5375.7
-32.5°	3193.3	3420.5	3644.5	3863.3	4071.2	4266.0	4447.1	4622.1	4773.1	4901.9	5012.4
-35°	2979.8	3191.1	3397.0	3595.7	3785.7	3966.3	4133.5	4291.8	4438.7	4555.9	4651.9
-37.5°	2765.5	2958.1	3146.1	3326.7	3500.6	3664.4	3817.1	3956.2	4080.8	4196.5	4290.4
-40°	2552.1	2727.2	2896.9	3058.1	3216.1	3367.2	3508.5	3631.7	3742.1	3843.7	3928.3
-42.5°	2337.6	2497.6	2651.6	2799.5	2937.6	3076.3	3206.9	3323.7	3421.6	3507.1	3578.9
-45°	2126.0	2269.3	2406.9	2542.4	2668.1	2787.9	2904.1	3010.9	3096.8	3171.9	3235.1
-47.5°	1916.8	2044.6	2169.3	2287.9	2402.0	2508.9	2603.0	2688.8	2772.5	2840.7	2894.7
-50°	1715.4	1827.7	1939.3	2042.9	2146.0	2242.2	2329.2	2404.4	2471.5	2529.6	2575.3
-52.5°	1522.8	1620.9	1717.3	1810.4	1900.1	1983.6	2059.4	2124.3	2182.0	2231.4	2270.9
-55°	1346.7	1427.5	1501.7	1583.5	1662.6	1734.5	1797.9	1853.6	1901.7	1942.1	1976.3
-57.5°	1186.7	1251.2	1315.2	1380.1	1441.4	1498.7	1552.4	1599.7	1639.7	1672.6	1700.1
-60°	1038.5	1088.4	1143.1	1195.3	1243.3	1287.3	1330.9	1368.6	1400.9	1427.7	1449.4
-62.5°	900.6	944.5	985.2	1024.8	1063.6	1101.7	1131.0	1157.7	1181.4	1201.8	1218.1
-65°	768.0	803.8	835.5	864.6	891.3	919.4	942.5	961.9	977.5	990.3	1000.7
-67.5°	641.8	669.8	694.2	715.1	735.8	755.1	771.0	784.0	794.1	802.6	809.2
-70°	529.8	550.6	568.2	585.0	602.1	615.8	626.1	633.6	638.4	641.5	643.7
-72.5°	430.3	449.8	465.7	480.6	493.2	502.3	508.8	513.8	517.1	513.7	507.8
-75°	338.6	357.3	375.3	390.7	403.5	409.3	412.2	414.3	415.4	404.3	389.7
-77.5°	259.5	278.6	295.4	310.7	324.7	327.3	326.9	326.2	325.0	309.6	290.9
-80°	182.4	197.6	211.9	226.1	240.1	241.7	240.1	237.2	233.1	218.0	200.8
-82.5°	111.7	120.7	129.2	137.7	146.1	148.3	148.9	148.6	147.5	135.9	123.1
-85°	51.7	55.4	58.8	62.1	65.2	68.1	70.9	73.5	75.8	69.3	62.0
-87.5°	10.2	10.5	10.7	11.0	11.2	11.5	11.7	11.8	12.0	11.4	10.7
-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: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

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°	10.0	9.3	9.3	9.3	9.3	9.3	10.0	10.7	11.4	12.0	11.8
85°	54.3	46.3	43.3	40.3	43.3	46.3	54.3	62.0	69.3	75.8	73.5
82.5°	109.7	95.7	91.3	86.7	91.3	95.7	109.7	123.1	135.9	147.5	148.6
80°	182.7	163.8	156.3	148.7	156.3	163.8	182.7	200.8	218.0	233.1	237.2
77.5°	271.1	250.3	241.4	232.3	241.4	250.3	271.1	290.9	309.6	325.0	326.2
75°	374.4	358.1	348.3	337.7	348.3	358.1	374.4	389.7	404.3	415.4	414.3
72.5°	501.0	493.0	485.8	477.0	485.8	493.0	501.0	507.8	513.7	517.1	513.8
70°	644.4	643.4	644.7	644.3	644.7	643.4	644.4	643.7	641.5	638.4	633.6
67.5°	812.6	812.8	816.2	817.8	816.2	812.8	812.6	809.2	802.6	794.1	784.0
65°	1007.1	1009.5	1008.6	1003.7	1008.6	1009.5	1007.1	1000.7	990.3	977.5	961.9
62.5°	1229.6	1236.3	1240.0	1239.1	1240.0	1236.3	1229.6	1218.1	1201.8	1181.4	1157.7
60°	1465.5	1476.0	1481.2	1480.7	1481.2	1476.0	1465.5	1449.4	1427.7	1400.9	1368.6
57.5°	1720.7	1734.1	1737.2	1731.6	1737.2	1734.1	1720.7	1700.1	1672.6	1639.7	1599.7
55°	2002.1	2019.3	2025.9	2022.8	2025.9	2019.3	2002.1	1976.3	1942.1	1901.7	1853.6
52.5°	2299.8	2318.4	2325.0	2320.2	2325.0	2318.4	2299.8	2270.9	2231.4	2182.0	2124.3
50°	2608.9	2631.4	2640.5	2636.2	2640.5	2631.4	2608.9	2575.3	2529.6	2471.5	2404.4
47.5°	2937.0	2967.0	2978.6	2970.7	2978.6	2967.0	2937.0	2894.7	2840.7	2772.5	2688.8
45°	3282.3	3313.3	3325.4	3317.7	3325.4	3313.3	3282.3	3235.1	3171.9	3096.8	3010.9
42.5°	3633.8	3674.1	3691.2	3677.0	3691.2	3674.1	3633.8	3578.9	3507.1	3421.6	3323.7
40°	3991.4	4035.2	4055.4	4045.6	4055.4	4035.2	3991.4	3928.3	3843.7	3742.1	3631.7
37.5°	4358.2	4401.8	4423.2	4423.5	4423.2	4401.8	4358.2	4290.4	4196.5	4080.8	3956.2
35°	4726.4	4779.2	4809.1	4807.7	4809.1	4779.2	4726.4	4651.9	4555.9	4438.7	4291.8
32.5°	5099.8	5157.0	5187.5	5191.8	5187.5	5157.0	5099.8	5012.4	4901.9	4773.1	4622.1
30°	5472.5	5535.4	5570.7	5585.2	5570.7	5535.4	5472.5	5375.7	5251.8	5110.9	4948.4
27.5°	5833.9	5911.3	5964.7	5969.3	5964.7	5911.3	5833.9	5734.9	5604.3	5451.2	5273.8
25°	6184.0	6262.7	6317.5	6328.6	6317.5	6262.7	6184.0	6085.4	5951.2	5783.2	5593.8
22.5°	6529.0	6611.4	6661.9	6681.8	6661.9	6611.4	6529.0	6418.6	6270.0	6094.4	5893.7
20°	6858.4	6947.6	7001.2	7022.5	7001.2	6947.6	6858.4	6737.1	6573.3	6386.3	6173.9
17.5°	7156.3	7250.6	7316.8	7335.4	7316.8	7250.6	7156.3	7027.9	6856.4	6657.9	6428.7
15°	7418.6	7508.0	7570.8	7595.6	7570.8	7508.0	7418.6	7292.6	7118.6	6903.9	6649.4
12.5°	7632.0	7712.0	7761.2	7784.6	7761.2	7712.0	7632.0	7511.8	7351.9	7110.7	6843.4
10°	7798.8	7879.0	7925.9	7958.0	7925.9	7879.0	7798.8	7686.9	7508.4	7292.3	7029.7
7.5°	7943.5	8025.7	8083.2	8128.4	8083.2	8025.7	7943.5	7792.5	7633.2	7429.7	7164.6
5°	8023.4	8160.7	8181.3	8212.1	8181.3	8160.7	8023.4	7886.6	7713.0	7505.9	7247.1
2.5°	8084.3	8181.7	8240.2	8233.7	8240.2	8181.7	8084.3	7923.5	7757.1	7567.4	7316.8
0°	8128.4	8215.1	8236.8	8264.7	8236.8	8215.1	8128.4	7967.3	7793.9	7604.9	7344.7
-2.5°	8084.3	8181.7	8240.2	8233.7	8240.2	8181.7	8084.3	7923.5	7757.1	7567.4	7316.8
-5°	8023.4	8160.7	8181.3	8212.1	8181.3	8160.7	8023.4	7886.6	7713.0	7505.9	7247.1
-7.5°	7943.5	8025.7	8083.2	8128.4	8083.2	8025.7	7943.5	7792.5	7633.2	7429.7	7164.6
-10°	7798.8	7879.0	7925.9	7958.0	7925.9	7879.0	7798.8	7686.9	7508.4	7292.3	7029.7
-12.5°	7632.0	7712.0	7761.2	7784.6	7761.2	7712.0	7632.0	7511.8	7351.9	7110.7	6843.4
-15°	7418.6	7508.0	7570.8	7595.6	7570.8	7508.0	7418.6	7292.6	7118.6	6903.9	6649.4
-17.5°	7156.3	7250.6	7316.8	7335.4	7316.8	7250.6	7156.3	7027.9	6856.4	6657.9	6428.7
-20°	6858.4	6947.6	7001.2	7022.5	7001.2	6947.6	6858.4	6737.1	6573.3	6386.3	6173.9



REPORT NUMBER: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6529.0	6611.4	6661.9	6681.8	6661.9	6611.4	6529.0	6418.6	6270.0	6094.4	5893.7
-25°	6184.0	6262.7	6317.5	6328.6	6317.5	6262.7	6184.0	6085.4	5951.2	5783.2	5593.8
-27.5°	5833.9	5911.3	5964.7	5969.3	5964.7	5911.3	5833.9	5734.9	5604.3	5451.2	5273.8
-30°	5472.5	5535.4	5570.7	5585.2	5570.7	5535.4	5472.5	5375.7	5251.8	5110.9	4948.4
-32.5°	5099.8	5157.0	5187.5	5191.8	5187.5	5157.0	5099.8	5012.4	4901.9	4773.1	4622.1
-35°	4726.4	4779.2	4809.1	4807.7	4809.1	4779.2	4726.4	4651.9	4555.9	4438.7	4291.8
-37.5°	4358.2	4401.8	4423.2	4423.5	4423.2	4401.8	4358.2	4290.4	4196.5	4080.8	3956.2
-40°	3991.4	4035.2	4055.4	4045.6	4055.4	4035.2	3991.4	3928.3	3843.7	3742.1	3631.7
-42.5°	3633.8	3674.1	3691.2	3677.0	3691.2	3674.1	3633.8	3578.9	3507.1	3421.6	3323.7
-45°	3282.3	3313.3	3325.4	3317.7	3325.4	3313.3	3282.3	3235.1	3171.9	3096.8	3010.9
-47.5°	2937.0	2967.0	2978.6	2970.7	2978.6	2967.0	2937.0	2894.7	2840.7	2772.5	2688.8
-50°	2608.9	2631.4	2640.5	2636.2	2640.5	2631.4	2608.9	2575.3	2529.6	2471.5	2404.4
-52.5°	2299.8	2318.4	2325.0	2320.2	2325.0	2318.4	2299.8	2270.9	2231.4	2182.0	2124.3
-55°	2002.1	2019.3	2025.9	2022.8	2025.9	2019.3	2002.1	1976.3	1942.1	1901.7	1853.6
-57.5°	1720.7	1734.1	1737.2	1731.6	1737.2	1734.1	1720.7	1700.1	1672.6	1639.7	1599.7
-60°	1465.5	1476.0	1481.2	1480.7	1481.2	1476.0	1465.5	1449.4	1427.7	1400.9	1368.6
-62.5°	1229.6	1236.3	1240.0	1239.1	1240.0	1236.3	1229.6	1218.1	1201.8	1181.4	1157.7
-65°	1007.1	1009.5	1008.6	1003.7	1008.6	1009.5	1007.1	1000.7	990.3	977.5	961.9
-67.5°	812.6	812.8	816.2	817.8	816.2	812.8	812.6	809.2	802.6	794.1	784.0
-70°	644.4	643.4	644.7	644.3	644.7	643.4	644.4	643.7	641.5	638.4	633.6
-72.5°	501.0	493.0	485.8	477.0	485.8	493.0	501.0	507.8	513.7	517.1	513.8
-75°	374.4	358.1	348.3	337.7	348.3	358.1	374.4	389.7	404.3	415.4	414.3
-77.5°	271.1	250.3	241.4	232.3	241.4	250.3	271.1	290.9	309.6	325.0	326.2
-80°	182.7	163.8	156.3	148.7	156.3	163.8	182.7	200.8	218.0	233.1	237.2
-82.5°	109.7	95.7	91.3	86.7	91.3	95.7	109.7	123.1	135.9	147.5	148.6
-85°	54.3	46.3	43.3	40.3	43.3	46.3	54.3	62.0	69.3	75.8	73.5
-87.5°	10.0	9.3	9.3	9.3	9.3	9.3	10.0	10.7	11.4	12.0	11.8
-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: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

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°	11.7	11.5	11.2	11.0	10.7	10.5	10.2	9.8	9.5	9.1	8.8
85°	70.9	68.1	65.2	62.1	58.8	55.4	51.7	45.4	39.4	33.9	29.2
82.5°	148.9	148.3	146.1	137.7	129.2	120.7	111.7	98.4	85.3	72.5	61.4
80°	240.1	241.7	240.1	226.1	211.9	197.6	182.4	162.9	143.1	124.4	110.3
77.5°	326.9	327.3	324.7	310.7	295.4	278.6	259.5	236.0	212.5	188.7	170.6
75°	412.2	409.3	403.5	390.7	375.3	357.3	338.6	317.9	293.9	266.1	242.4
72.5°	508.8	502.3	493.2	480.6	465.7	449.8	430.3	407.5	382.3	354.6	329.6
70°	626.1	615.8	602.1	585.0	568.2	550.6	529.8	504.7	475.3	444.8	416.9
67.5°	771.0	755.1	735.8	715.1	694.2	669.8	641.8	611.1	580.8	546.9	508.6
65°	942.5	919.4	891.3	864.6	835.5	803.8	768.0	732.4	695.3	654.6	606.0
62.5°	1131.0	1101.7	1063.6	1024.8	985.2	944.5	900.6	857.0	812.6	764.6	710.0
60°	1330.9	1287.3	1243.3	1195.3	1143.1	1088.4	1038.5	985.4	929.4	875.1	815.1
57.5°	1552.4	1498.7	1441.4	1380.1	1315.2	1251.2	1186.7	1120.0	1056.6	990.4	922.5
55°	1797.9	1734.5	1662.6	1583.5	1501.7	1427.5	1346.7	1265.8	1189.5	1109.2	1034.4
52.5°	2059.4	1983.6	1900.1	1810.4	1717.3	1620.9	1522.8	1429.8	1330.4	1239.5	1149.1
50°	2329.2	2242.2	2146.0	2042.9	1939.3	1827.7	1715.4	1603.7	1491.1	1379.5	1271.2
47.5°	2603.0	2508.9	2402.0	2287.9	2169.3	2044.6	1916.8	1782.5	1657.9	1528.6	1405.5
45°	2904.1	2787.9	2668.1	2542.4	2406.9	2269.3	2126.0	1978.9	1829.0	1686.8	1542.5
42.5°	3206.9	3076.3	2937.6	2799.5	2651.6	2497.6	2337.6	2175.5	2010.9	1846.9	1689.2
40°	3508.5	3367.2	3216.1	3058.1	2896.9	2727.2	2552.1	2371.7	2192.9	2012.6	1834.2
37.5°	3817.1	3664.4	3500.6	3326.7	3146.1	2958.1	2765.5	2570.2	2373.0	2179.0	1985.5
35°	4133.5	3966.3	3785.7	3595.7	3397.0	3191.1	2979.8	2766.0	2553.8	2343.9	2134.4
32.5°	4447.1	4266.0	4071.2	3863.3	3644.5	3420.5	3193.3	2962.4	2730.2	2506.0	2282.8
30°	4763.4	4562.8	4351.8	4127.2	3890.0	3646.0	3399.8	3155.3	2907.8	2661.2	2425.0
27.5°	5073.2	4854.3	4625.0	4382.2	4128.8	3867.1	3602.6	3341.5	3077.6	2815.3	2560.7
25°	5374.8	5138.4	4885.5	4626.1	4357.4	4078.4	3794.2	3518.0	3242.4	2961.8	2682.5
22.5°	5665.1	5406.3	5133.6	4856.1	4573.5	4280.4	3977.2	3679.7	3394.3	3093.0	2801.2
20°	5932.7	5654.9	5363.8	5071.4	4772.5	4472.6	4147.8	3831.2	3524.4	3215.0	2908.8
17.5°	6170.1	5887.9	5582.5	5274.4	4956.1	4640.4	4307.2	3969.2	3644.0	3323.3	3003.6
15°	6379.4	6097.4	5788.2	5463.3	5123.5	4778.6	4442.1	4091.0	3753.1	3419.1	3091.1
12.5°	6569.5	6274.2	5965.4	5621.9	5261.1	4901.3	4551.4	4197.8	3850.0	3506.7	3169.9
10°	6740.1	6419.1	6092.3	5744.2	5376.3	5004.8	4644.5	4287.6	3932.5	3581.8	3234.8
7.5°	6857.0	6526.6	6188.9	5841.9	5473.5	5096.2	4725.0	4359.8	3996.9	3641.6	3285.5
5°	6943.3	6611.4	6272.6	5920.8	5549.0	5164.4	4784.4	4412.1	4042.7	3685.3	3321.6
2.5°	7009.6	6669.4	6329.8	5970.2	5597.8	5210.5	4826.9	4451.4	4079.1	3717.3	3353.5
0°	7056.6	6691.1	6362.7	6009.6	5628.6	5238.2	4854.1	4476.2	4101.4	3732.8	3370.3
-2.5°	7009.6	6669.4	6329.8	5970.2	5597.8	5210.5	4826.9	4451.4	4079.1	3717.3	3353.5
-5°	6943.3	6611.4	6272.6	5920.8	5549.0	5164.4	4784.4	4412.1	4042.7	3685.3	3321.6
-7.5°	6857.0	6526.6	6188.9	5841.9	5473.5	5096.2	4725.0	4359.8	3996.9	3641.6	3285.5
-10°	6740.1	6419.1	6092.3	5744.2	5376.3	5004.8	4644.5	4287.6	3932.5	3581.8	3234.8
-12.5°	6569.5	6274.2	5965.4	5621.9	5261.1	4901.3	4551.4	4197.8	3850.0	3506.7	3169.9
-15°	6379.4	6097.4	5788.2	5463.3	5123.5	4778.6	4442.1	4091.0	3753.1	3419.1	3091.1
-17.5°	6170.1	5887.9	5582.5	5274.4	4956.1	4640.4	4307.2	3969.2	3644.0	3323.3	3003.6
-20°	5932.7	5654.9	5363.8	5071.4	4772.5	4472.6	4147.8	3831.2	3524.4	3215.0	2908.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5665.1	5406.3	5133.6	4856.1	4573.5	4280.4	3977.2	3679.7	3394.3	3093.0	2801.2
-25°	5374.8	5138.4	4885.5	4626.1	4357.4	4078.4	3794.2	3518.0	3242.4	2961.8	2682.5
-27.5°	5073.2	4854.3	4625.0	4382.2	4128.8	3867.1	3602.6	3341.5	3077.6	2815.3	2560.7
-30°	4763.4	4562.8	4351.8	4127.2	3890.0	3646.0	3399.8	3155.3	2907.8	2661.2	2425.0
-32.5°	4447.1	4266.0	4071.2	3863.3	3644.5	3420.5	3193.3	2962.4	2730.2	2506.0	2282.8
-35°	4133.5	3966.3	3785.7	3595.7	3397.0	3191.1	2979.8	2766.0	2553.8	2343.9	2134.4
-37.5°	3817.1	3664.4	3500.6	3326.7	3146.1	2958.1	2765.5	2570.2	2373.0	2179.0	1985.5
-40°	3508.5	3367.2	3216.1	3058.1	2896.9	2727.2	2552.1	2371.7	2192.9	2012.6	1834.2
-42.5°	3206.9	3076.3	2937.6	2799.5	2651.6	2497.6	2337.6	2175.5	2010.9	1846.9	1689.2
-45°	2904.1	2787.9	2668.1	2542.4	2406.9	2269.3	2126.0	1978.9	1829.0	1686.8	1542.5
-47.5°	2603.0	2508.9	2402.0	2287.9	2169.3	2044.6	1916.8	1782.5	1657.9	1528.6	1405.5
-50°	2329.2	2242.2	2146.0	2042.9	1939.3	1827.7	1715.4	1603.7	1491.1	1379.5	1271.2
-52.5°	2059.4	1983.6	1900.1	1810.4	1717.3	1620.9	1522.8	1429.8	1330.4	1239.5	1149.1
-55°	1797.9	1734.5	1662.6	1583.5	1501.7	1427.5	1346.7	1265.8	1189.5	1109.2	1034.4
-57.5°	1552.4	1498.7	1441.4	1380.1	1315.2	1251.2	1186.7	1120.0	1056.6	990.4	922.5
-60°	1330.9	1287.3	1243.3	1195.3	1143.1	1088.4	1038.5	985.4	929.4	875.1	815.1
-62.5°	1131.0	1101.7	1063.6	1024.8	985.2	944.5	900.6	857.0	812.6	764.6	710.0
-65°	942.5	919.4	891.3	864.6	835.5	803.8	768.0	732.4	695.3	654.6	606.0
-67.5°	771.0	755.1	735.8	715.1	694.2	669.8	641.8	611.1	580.8	546.9	508.6
-70°	626.1	615.8	602.1	585.0	568.2	550.6	529.8	504.7	475.3	444.8	416.9
-72.5°	508.8	502.3	493.2	480.6	465.7	449.8	430.3	407.5	382.3	354.6	329.6
-75°	412.2	409.3	403.5	390.7	375.3	357.3	338.6	317.9	293.9	266.1	242.4
-77.5°	326.9	327.3	324.7	310.7	295.4	278.6	259.5	236.0	212.5	188.7	170.6
-80°	240.1	241.7	240.1	226.1	211.9	197.6	182.4	162.9	143.1	124.4	110.3
-82.5°	148.9	148.3	146.1	137.7	129.2	120.7	111.7	98.4	85.3	72.5	61.4
-85°	70.9	68.1	65.2	62.1	58.8	55.4	51.7	45.4	39.4	33.9	29.2
-87.5°	11.7	11.5	11.2	11.0	10.7	10.5	10.2	9.8	9.5	9.1	8.8
-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: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

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°	8.9	9.0	9.0	8.9	7.9	7.0	6.1	5.2	4.7	4.2	3.7
85°	29.3	28.6	27.0	24.5	19.3	13.9	12.1	10.5	9.5	8.5	7.4
82.5°	61.2	61.8	61.7	59.9	52.8	45.4	37.7	29.6	22.0	14.0	11.2
80°	110.5	109.3	106.6	101.6	90.0	76.9	67.1	56.9	46.9	36.5	25.7
77.5°	167.0	162.2	156.4	149.8	137.5	123.0	106.4	87.6	71.8	59.0	45.6
75°	230.1	222.5	214.4	203.4	187.6	169.5	151.3	129.4	105.0	82.1	65.4
72.5°	309.4	291.0	274.6	259.1	242.0	221.9	198.7	170.4	140.8	112.9	86.7
70°	389.7	362.1	337.5	316.4	295.8	274.7	249.2	214.4	176.0	143.1	112.2
67.5°	471.2	438.6	405.6	374.1	348.1	323.2	298.6	258.2	214.1	172.6	137.2
65°	561.2	517.6	475.7	436.8	401.5	370.4	341.5	299.1	251.1	204.4	161.5
62.5°	653.8	598.3	548.7	499.0	455.0	417.3	382.5	335.8	286.5	235.2	186.8
60°	751.2	688.0	622.2	564.1	510.2	462.4	420.3	371.9	319.6	264.9	211.9
57.5°	853.7	779.4	705.5	632.2	567.4	510.0	457.1	406.1	352.1	294.1	235.4
55°	957.7	877.6	790.1	707.5	628.1	559.9	496.0	439.0	383.5	322.8	255.6
52.5°	1061.7	973.8	879.9	784.4	695.5	610.2	538.8	471.0	412.5	350.9	276.6
50°	1170.6	1069.8	969.1	865.9	762.6	669.1	580.2	507.8	440.6	377.5	296.6
47.5°	1283.8	1171.5	1059.5	946.8	836.0	725.5	628.5	543.8	467.7	401.7	315.2
45°	1408.0	1276.6	1152.7	1030.8	905.4	786.3	677.3	578.2	498.5	420.5	332.3
42.5°	1532.1	1387.6	1249.1	1113.5	978.1	846.8	723.6	618.7	527.9	438.5	348.1
40°	1664.1	1499.0	1345.4	1198.3	1049.2	904.4	774.9	658.2	555.4	457.2	363.0
37.5°	1792.4	1613.1	1444.4	1279.2	1118.7	966.5	824.2	695.2	581.6	478.1	377.2
35°	1928.2	1727.8	1535.9	1360.7	1190.3	1025.5	870.3	732.5	611.7	498.6	390.5
32.5°	2059.5	1839.9	1634.1	1441.1	1258.7	1081.1	917.8	772.0	640.6	518.4	403.0
30°	2188.4	1952.5	1728.2	1517.1	1325.0	1139.4	965.5	809.0	668.3	537.5	415.5
27.5°	2307.2	2056.7	1818.4	1595.7	1390.1	1194.7	1010.5	843.2	694.6	557.2	430.0
25°	2418.0	2157.0	1907.3	1671.3	1450.6	1247.0	1051.9	874.9	721.3	577.8	443.4
22.5°	2521.9	2250.1	1987.9	1740.9	1506.5	1295.1	1092.3	908.7	746.6	596.7	455.7
20°	2616.3	2334.0	2060.1	1804.0	1561.0	1341.0	1131.2	939.0	769.2	613.9	466.8
17.5°	2701.4	2410.6	2129.0	1863.0	1611.7	1381.7	1165.7	965.7	789.0	629.2	476.6
15°	2780.4	2480.3	2189.9	1914.5	1655.6	1417.2	1195.8	988.7	806.0	642.5	485.9
12.5°	2848.3	2540.0	2241.6	1958.3	1692.6	1447.2	1221.2	1007.9	820.1	654.5	494.7
10°	2904.2	2589.4	2283.8	1994.1	1722.5	1471.6	1241.9	1024.2	833.4	664.9	501.4
7.5°	2947.7	2628.1	2316.3	2021.7	1746.2	1492.0	1259.4	1038.2	844.1	672.9	506.1
5°	2980.7	2658.3	2344.6	2044.8	1768.0	1508.6	1272.2	1048.2	851.8	678.4	508.8
2.5°	3010.0	2680.9	2366.8	2059.8	1782.9	1519.3	1279.9	1054.3	856.5	681.3	509.4
0°	3026.5	2691.9	2379.0	2066.2	1790.5	1524.1	1282.5	1056.3	858.1	681.5	508.0
-2.5°	3010.0	2680.9	2366.8	2059.8	1782.9	1519.3	1279.9	1054.3	856.5	681.3	509.4
-5°	2980.7	2658.3	2344.6	2044.8	1768.0	1508.6	1272.2	1048.2	851.8	678.4	508.8
-7.5°	2947.7	2628.1	2316.3	2021.7	1746.2	1492.0	1259.4	1038.2	844.1	672.9	506.1
-10°	2904.2	2589.4	2283.8	1994.1	1722.5	1471.6	1241.9	1024.2	833.4	664.9	501.4
-12.5°	2848.3	2540.0	2241.6	1958.3	1692.6	1447.2	1221.2	1007.9	820.1	654.5	494.7
-15°	2780.4	2480.3	2189.9	1914.5	1655.6	1417.2	1195.8	988.7	806.0	642.5	485.9
-17.5°	2701.4	2410.6	2129.0	1863.0	1611.7	1381.7	1165.7	965.7	789.0	629.2	476.6
-20°	2616.3	2334.0	2060.1	1804.0	1561.0	1341.0	1131.2	939.0	769.2	613.9	466.8



REPORT NUMBER: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2521.9	2250.1	1987.9	1740.9	1506.5	1295.1	1092.3	908.7	746.6	596.7	455.7
-25°	2418.0	2157.0	1907.3	1671.3	1450.6	1247.0	1051.9	874.9	721.3	577.8	443.4
-27.5°	2307.2	2056.7	1818.4	1595.7	1390.1	1194.7	1010.5	843.2	694.6	557.2	430.0
-30°	2188.4	1952.5	1728.2	1517.1	1325.0	1139.4	965.5	809.0	668.3	537.5	415.5
-32.5°	2059.5	1839.9	1634.1	1441.1	1258.7	1081.1	917.8	772.0	640.6	518.4	403.0
-35°	1928.2	1727.8	1535.9	1360.7	1190.3	1025.5	870.3	732.5	611.7	498.6	390.5
-37.5°	1792.4	1613.1	1444.4	1279.2	1118.7	966.5	824.2	695.2	581.6	478.1	377.2
-40°	1664.1	1499.0	1345.4	1198.3	1049.2	904.4	774.9	658.2	555.4	457.2	363.0
-42.5°	1532.1	1387.6	1249.1	1113.5	978.1	846.8	723.6	618.7	527.9	438.5	348.1
-45°	1408.0	1276.6	1152.7	1030.8	905.4	786.3	677.3	578.2	498.5	420.5	332.3
-47.5°	1283.8	1171.5	1059.5	946.8	836.0	725.5	628.5	543.8	467.7	401.7	315.2
-50°	1170.6	1069.8	969.1	865.9	762.6	669.1	580.2	507.8	440.6	377.5	296.6
-52.5°	1061.7	973.8	879.9	784.4	695.5	610.2	538.8	471.0	412.5	350.9	276.6
-55°	957.7	877.6	790.1	707.5	628.1	559.9	496.0	439.0	383.5	322.8	255.6
-57.5°	853.7	779.4	705.5	632.2	567.4	510.0	457.1	406.1	352.1	294.1	235.4
-60°	751.2	688.0	622.2	564.1	510.2	462.4	420.3	371.9	319.6	264.9	211.9
-62.5°	653.8	598.3	548.7	499.0	455.0	417.3	382.5	335.8	286.5	235.2	186.8
-65°	561.2	517.6	475.7	436.8	401.5	370.4	341.5	299.1	251.1	204.4	161.5
-67.5°	471.2	438.6	405.6	374.1	348.1	323.2	298.6	258.2	214.1	172.6	137.2
-70°	389.7	362.1	337.5	316.4	295.8	274.7	249.2	214.4	176.0	143.1	112.2
-72.5°	309.4	291.0	274.6	259.1	242.0	221.9	198.7	170.4	140.8	112.9	86.7
-75°	230.1	222.5	214.4	203.4	187.6	169.5	151.3	129.4	105.0	82.1	65.4
-77.5°	167.0	162.2	156.4	149.8	137.5	123.0	106.4	87.6	71.8	59.0	45.6
-80°	110.5	109.3	106.6	101.6	90.0	76.9	67.1	56.9	46.9	36.5	25.7
-82.5°	61.2	61.8	61.7	59.9	52.8	45.4	37.7	29.6	22.0	14.0	11.2
-85°	29.3	28.6	27.0	24.5	19.3	13.9	12.1	10.5	9.5	8.5	7.4
-87.5°	8.9	9.0	9.0	8.9	7.9	7.0	6.1	5.2	4.7	4.2	3.7
-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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

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°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
85°	6.4	5.4	4.3	3.2	2.2	0.9	0.0
82.5°	9.6	8.0	6.4	4.8	3.2	1.4	0.0
80°	14.4	10.7	8.6	6.4	4.3	1.9	0.0
77.5°	31.4	16.7	10.7	8.0	5.3	2.3	0.0
75°	48.0	29.0	13.9	9.6	6.4	2.8	0.0
72.5°	64.1	40.8	22.2	11.2	7.4	3.2	0.0
70°	80.2	52.3	30.2	13.4	8.3	3.7	0.0
67.5°	99.5	63.2	37.8	18.3	9.3	4.1	0.0
65°	118.0	75.5	45.2	23.1	10.2	4.5	0.0
62.5°	135.5	89.0	52.1	27.6	11.1	4.9	0.0
60°	152.0	101.7	58.7	31.9	12.0	5.3	0.0
57.5°	169.4	113.7	67.4	35.9	14.4	5.7	0.0
55°	185.9	124.8	75.7	39.7	16.7	6.1	0.0
52.5°	201.2	135.3	83.4	43.2	19.0	6.4	0.0
50°	215.1	146.5	90.5	46.3	21.2	6.7	0.0
47.5°	228.2	156.8	97.0	49.6	23.2	7.1	0.0
45°	242.8	166.0	102.8	53.9	25.2	7.4	0.0
42.5°	256.1	174.2	107.9	57.8	27.1	7.6	0.0
40°	268.2	181.4	113.1	61.8	28.8	7.9	0.0
37.5°	279.1	187.5	118.3	65.7	30.5	8.1	0.0
35°	288.6	194.6	122.7	69.4	32.0	8.3	0.0
32.5°	297.5	201.7	126.4	72.8	33.4	8.5	0.0
30°	306.7	207.7	129.3	75.9	34.7	8.7	0.0
27.5°	315.0	212.7	133.8	78.7	35.8	8.9	0.0
25°	322.2	216.7	137.9	81.2	36.9	9.0	0.0
22.5°	328.5	220.7	141.6	83.4	37.8	9.1	0.0
20°	333.6	226.2	144.7	85.3	38.5	9.2	0.0
17.5°	340.0	230.6	147.4	86.9	39.2	9.3	0.0
15°	346.7	234.1	149.5	88.2	39.7	9.4	0.0
12.5°	352.2	236.6	151.2	89.2	40.1	9.4	0.0
10°	356.3	238.2	152.3	89.9	40.4	9.4	0.0
7.5°	359.1	238.8	152.9	90.3	40.6	9.4	0.0
5°	360.6	238.5	153.0	90.4	40.6	9.4	0.0
2.5°	360.7	237.4	152.7	90.3	40.5	9.4	0.0
0°	359.3	235.4	151.8	89.8	40.3	9.3	0.0
-2.5°	360.7	237.4	152.7	90.3	40.5	9.4	0.0
-5°	360.6	238.5	153.0	90.4	40.6	9.4	0.0
-7.5°	359.1	238.8	152.9	90.3	40.6	9.4	0.0
-10°	356.3	238.2	152.3	89.9	40.4	9.4	0.0
-12.5°	352.2	236.6	151.2	89.2	40.1	9.4	0.0
-15°	346.7	234.1	149.5	88.2	39.7	9.4	0.0
-17.5°	340.0	230.6	147.4	86.9	39.2	9.3	0.0
-20°	333.6	226.2	144.7	85.3	38.5	9.2	0.0

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REPORT NUMBER: P627311 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	328.5	220.7	141.6	83.4	37.8	9.1	0.0
-25°	322.2	216.7	137.9	81.2	36.9	9.0	0.0
-27.5°	315.0	212.7	133.8	78.7	35.8	8.9	0.0
-30°	306.7	207.7	129.3	75.9	34.7	8.7	0.0
-32.5°	297.5	201.7	126.4	72.8	33.4	8.5	0.0
-35°	288.6	194.6	122.7	69.4	32.0	8.3	0.0
-37.5°	279.1	187.5	118.3	65.7	30.5	8.1	0.0
-40°	268.2	181.4	113.1	61.8	28.8	7.9	0.0
-42.5°	256.1	174.2	107.9	57.8	27.1	7.6	0.0
-45°	242.8	166.0	102.8	53.9	25.2	7.4	0.0
-47.5°	228.2	156.8	97.0	49.6	23.2	7.1	0.0
-50°	215.1	146.5	90.5	46.3	21.2	6.7	0.0
-52.5°	201.2	135.3	83.4	43.2	19.0	6.4	0.0
-55°	185.9	124.8	75.7	39.7	16.7	6.1	0.0
-57.5°	169.4	113.7	67.4	35.9	14.4	5.7	0.0
-60°	152.0	101.7	58.7	31.9	12.0	5.3	0.0
-62.5°	135.5	89.0	52.1	27.6	11.1	4.9	0.0
-65°	118.0	75.5	45.2	23.1	10.2	4.5	0.0
-67.5°	99.5	63.2	37.8	18.3	9.3	4.1	0.0
-70°	80.2	52.3	30.2	13.4	8.3	3.7	0.0
-72.5°	64.1	40.8	22.2	11.2	7.4	3.2	0.0
-75°	48.0	29.0	13.9	9.6	6.4	2.8	0.0
-77.5°	31.4	16.7	10.7	8.0	5.3	2.3	0.0
-80°	14.4	10.7	8.6	6.4	4.3	1.9	0.0
-82.5°	9.6	8.0	6.4	4.8	3.2	1.4	0.0
-85°	6.4	5.4	4.3	3.2	2.2	0.9	0.0
-87.5°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)