

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: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2C-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2C-722-U-LAM-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

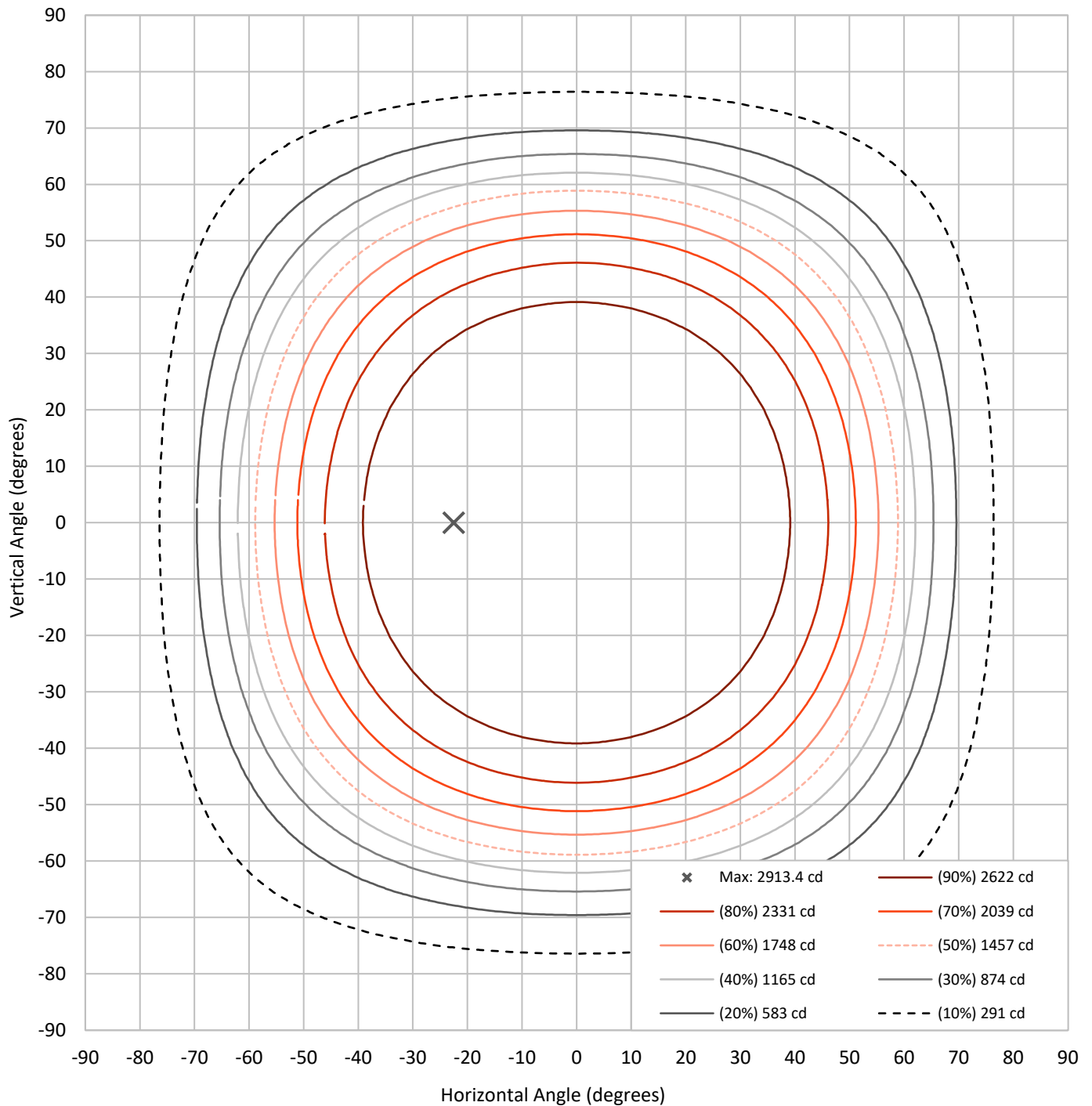
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	8912.3 lumens	Max Intensity:	2913.4 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	107.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	7417 lumens	Field Lumens:	8737.1 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	82.6		
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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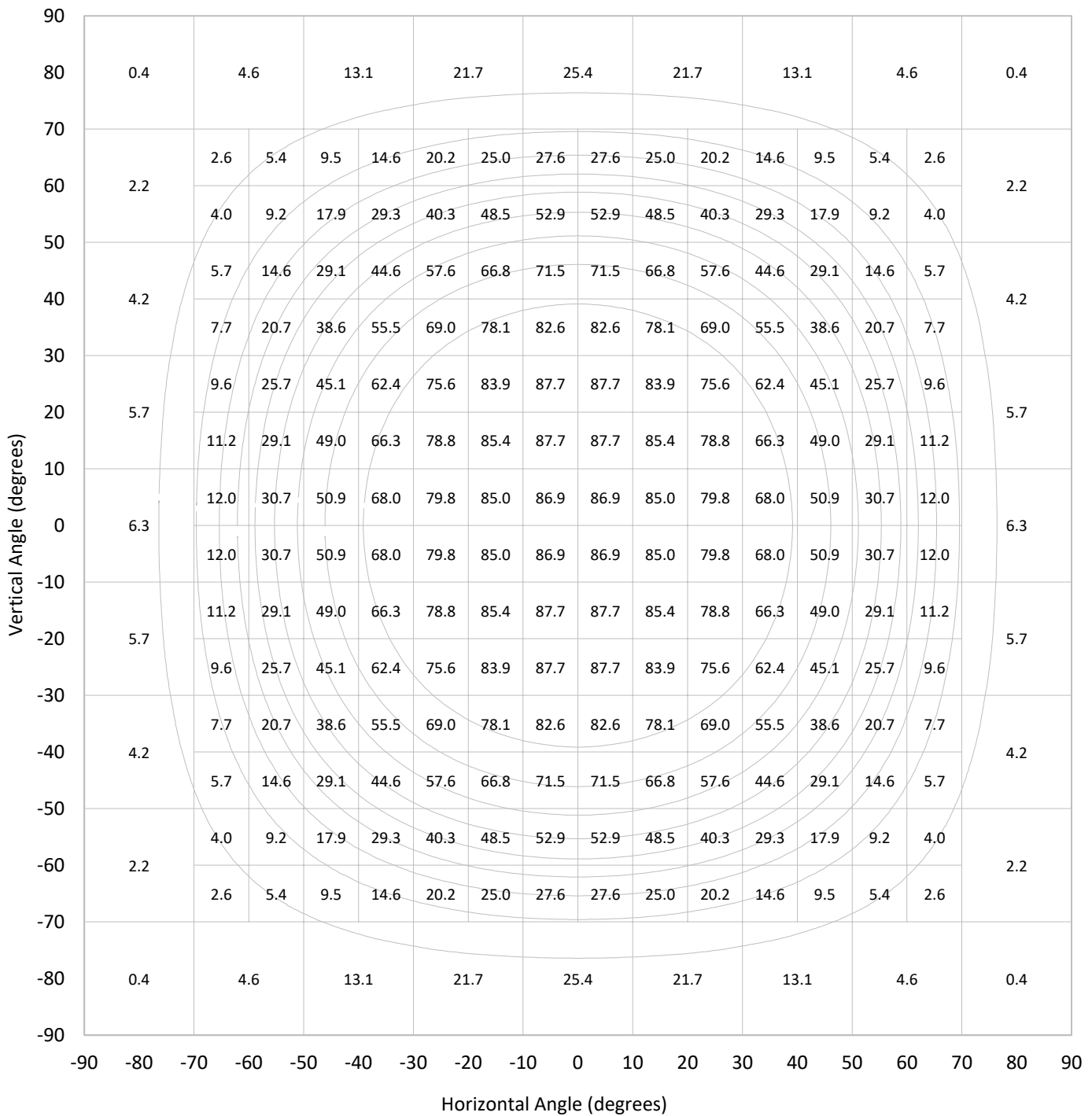
Iso-Candela Plot



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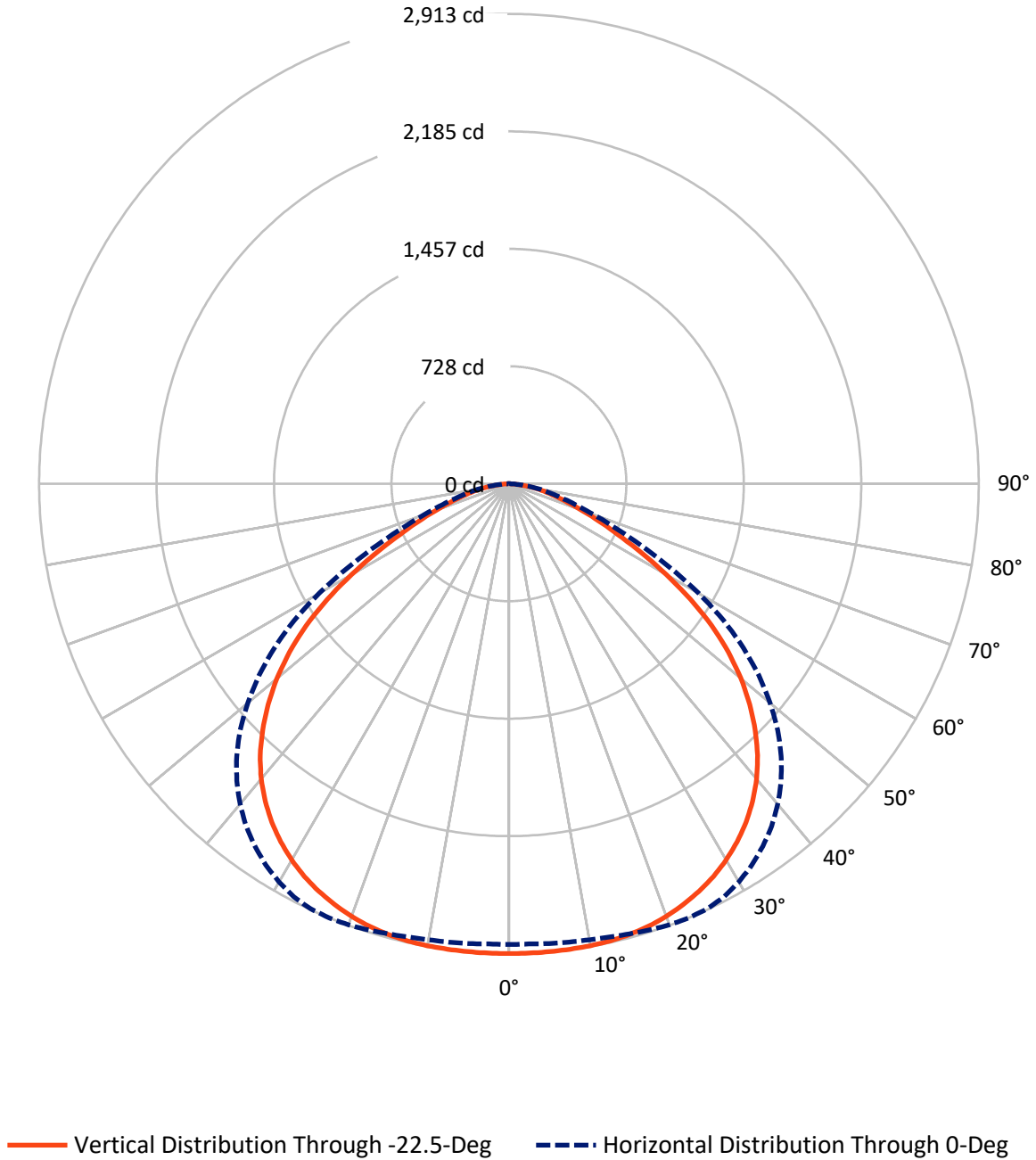
Lumen Table



90																					
80	0.4	4.6	13.1	21.7	25.4	21.7	13.1	4.6	0.4												
70																					
60	2.2	2.6	5.4	9.5	14.6	20.2	25.0	27.6	27.6	25.0	20.2	14.6	9.5	5.4	2.6					2.2	
50																					
40	4.2	4.0	9.2	17.9	29.3	40.3	48.5	52.9	52.9	48.5	40.3	29.3	17.9	9.2	4.0					4.2	
30																					
20	5.7	5.7	14.6	29.1	44.6	57.6	66.8	71.5	71.5	66.8	57.6	44.6	29.1	14.6	5.7					5.7	
10																					
0	6.3	11.2	29.1	49.0	66.3	78.8	85.4	87.7	87.7	85.4	78.8	66.3	49.0	29.1	11.2					6.3	
-10																					
-20	5.7	12.0	30.7	50.9	68.0	79.8	85.0	86.9	86.9	85.0	79.8	68.0	50.9	30.7	12.0					5.7	
-30																					
-40	4.2	12.0	30.7	50.9	68.0	79.8	85.0	86.9	86.9	85.0	79.8	68.0	50.9	30.7	12.0					4.2	
-50																					
-60	2.2	7.7	20.7	38.6	55.5	69.0	78.1	82.6	82.6	78.1	69.0	55.5	38.6	20.7	7.7					2.2	
-70																					
-80	0.4	2.6	5.4	9.5	14.6	20.2	25.0	27.6	27.6	25.0	20.2	14.6	9.5	5.4	2.6					0.4	
-90																					
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		

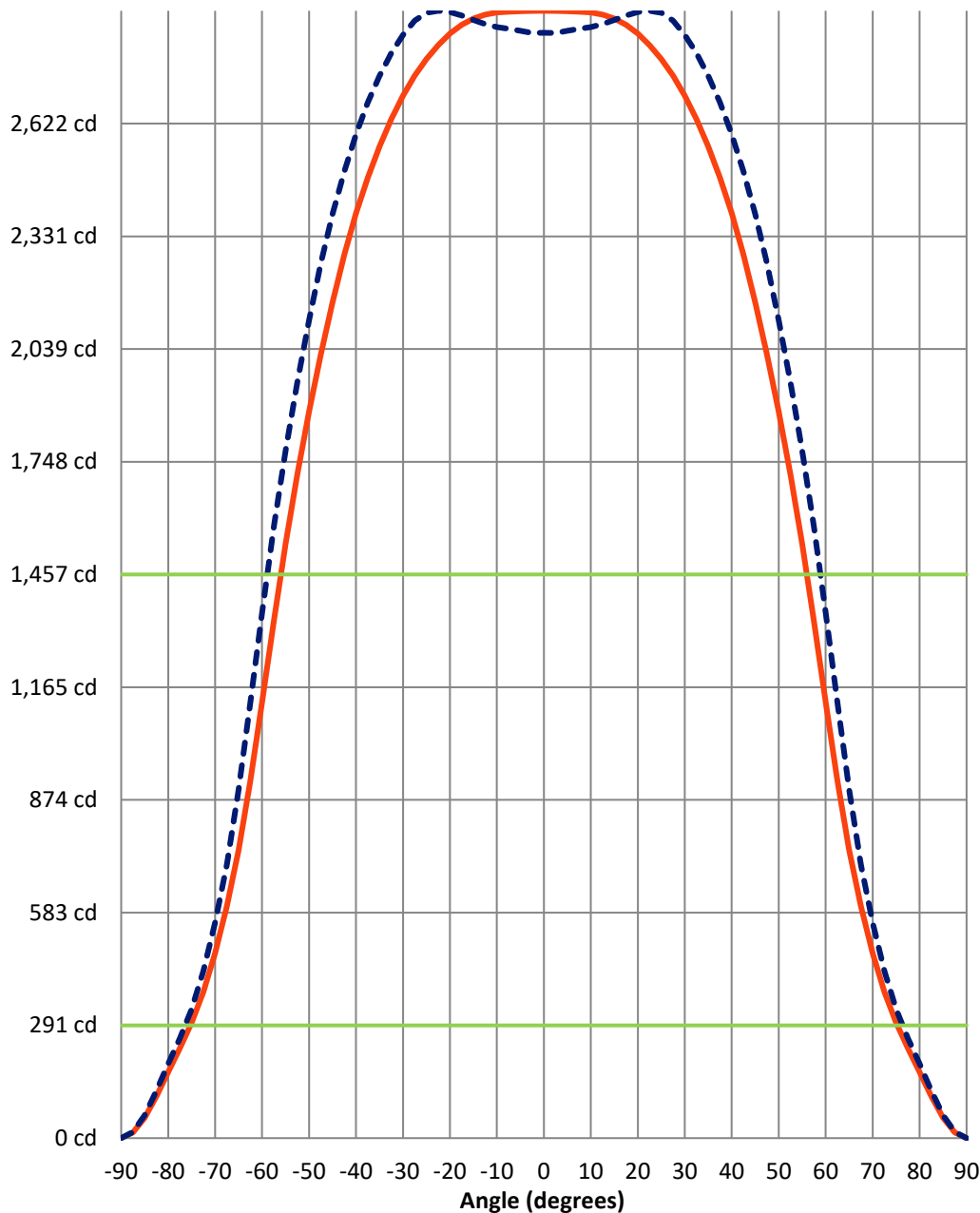
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 7417
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 8737.1
 Efficiency: 98.0%

Spill:
 Lumens: 175.3
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.4	6.1	6.7
85°	0.0	1.4	2.8	4.1	5.5	6.9	8.2	9.6	10.9	12.2	13.4
82.5°	0.0	2.1	4.1	6.2	8.3	10.3	12.3	14.3	16.9	22.2	27.4
80°	0.0	2.8	5.5	8.3	11.0	13.7	17.2	24.5	31.6	38.6	45.6
77.5°	0.0	3.4	6.9	10.3	13.7	19.1	28.2	37.3	46.2	55.0	65.6
75°	0.0	4.1	8.2	12.3	17.2	28.2	39.2	50.0	61.3	76.6	91.6
72.5°	0.0	4.8	9.6	14.3	24.5	37.3	50.0	64.0	82.1	99.9	117.4
70°	0.0	5.4	10.9	16.9	31.6	46.2	61.3	82.1	102.7	123.0	144.9
67.5°	0.0	6.1	12.2	22.2	38.6	55.0	76.6	99.9	123.0	148.0	172.6
65°	0.0	6.7	13.4	27.4	45.6	65.6	91.6	117.4	144.9	172.6	199.6
62.5°	0.0	7.3	14.7	32.5	52.3	77.9	106.3	135.8	166.5	196.6	225.1
60°	0.0	7.9	15.9	37.5	59.0	89.9	120.8	154.3	187.6	219.2	250.2
57.5°	0.0	8.5	19.1	42.3	68.2	101.7	136.1	172.4	207.5	241.4	277.0
55°	0.0	9.1	22.2	47.0	77.4	113.1	151.2	190.0	226.7	263.6	304.2
52.5°	0.0	9.7	25.3	51.6	86.3	124.4	165.9	206.4	245.4	287.4	330.6
50°	0.0	10.2	28.3	56.1	94.9	136.2	180.1	222.3	264.2	310.5	363.5
47.5°	0.0	10.7	31.1	60.8	103.1	147.6	193.8	237.6	284.1	332.9	396.2
45°	0.0	11.2	33.8	66.8	111.1	158.6	206.4	252.3	303.2	361.1	427.8
42.5°	0.0	11.7	36.5	72.5	118.8	169.2	218.4	267.5	321.5	388.3	464.9
40°	0.0	12.2	39.0	77.9	126.4	179.2	230.0	282.8	340.9	414.3	501.7
37.5°	0.0	12.6	41.3	83.1	134.0	188.8	240.9	297.4	362.8	440.9	536.7
35°	0.0	13.0	43.6	88.0	141.2	197.5	251.3	311.1	383.6	470.6	572.4
32.5°	0.0	13.4	45.7	92.6	148.0	205.6	261.5	324.1	403.2	498.7	610.0
30°	0.0	13.8	47.6	96.9	154.3	213.2	271.8	337.2	421.5	524.9	645.2
27.5°	0.0	14.1	49.5	100.9	160.2	220.2	281.4	352.0	440.2	549.4	678.0
25°	0.0	14.4	51.1	104.6	165.6	226.7	290.3	365.6	460.1	574.8	708.6
22.5°	0.0	14.7	52.7	107.9	170.5	232.6	298.3	378.1	478.2	599.4	744.4
20°	0.0	14.9	54.1	110.9	175.0	237.9	305.6	389.3	494.6	621.7	776.7
17.5°	0.0	15.2	55.3	113.6	178.9	242.6	312.1	399.2	509.1	641.4	805.4
15°	0.0	15.4	56.3	115.9	182.3	246.7	317.7	407.9	521.7	658.7	830.5
12.5°	0.0	15.5	57.2	117.9	185.2	250.2	322.5	415.3	532.5	673.4	851.8
10°	0.0	15.7	58.0	119.5	187.6	253.1	326.4	421.4	541.4	685.4	869.4
7.5°	0.0	15.8	58.6	120.8	189.5	255.3	329.5	426.1	548.3	694.8	883.1
5°	0.0	15.8	59.0	121.7	190.8	256.9	331.6	429.5	553.2	701.6	892.9
2.5°	0.0	15.9	59.2	122.2	191.6	257.9	333.0	431.5	556.2	705.6	898.8
0°	0.0	15.9	59.3	122.4	191.9	258.2	333.4	432.2	557.2	707.0	900.8
-2.5°	0.0	15.9	59.2	122.2	191.6	257.9	333.0	431.5	556.2	705.6	898.8
-5°	0.0	15.8	59.0	121.7	190.8	256.9	331.6	429.5	553.2	701.6	892.9
-7.5°	0.0	15.8	58.6	120.8	189.5	255.3	329.5	426.1	548.3	694.8	883.1
-10°	0.0	15.7	58.0	119.5	187.6	253.1	326.4	421.4	541.4	685.4	869.4
-12.5°	0.0	15.5	57.2	117.9	185.2	250.2	322.5	415.3	532.5	673.4	851.8
-15°	0.0	15.4	56.3	115.9	182.3	246.7	317.7	407.9	521.7	658.7	830.5
-17.5°	0.0	15.2	55.3	113.6	178.9	242.6	312.1	399.2	509.1	641.4	805.4
-20°	0.0	14.9	54.1	110.9	175.0	237.9	305.6	389.3	494.6	621.7	776.7

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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	14.7	52.7	107.9	170.5	232.6	298.3	378.1	478.2	599.4	744.4
-25°	0.0	14.4	51.1	104.6	165.6	226.7	290.3	365.6	460.1	574.8	708.6
-27.5°	0.0	14.1	49.5	100.9	160.2	220.2	281.4	352.0	440.2	549.4	678.0
-30°	0.0	13.8	47.6	96.9	154.3	213.2	271.8	337.2	421.5	524.9	645.2
-32.5°	0.0	13.4	45.7	92.6	148.0	205.6	261.5	324.1	403.2	498.7	610.0
-35°	0.0	13.0	43.6	88.0	141.2	197.5	251.3	311.1	383.6	470.6	572.4
-37.5°	0.0	12.6	41.3	83.1	134.0	188.8	240.9	297.4	362.8	440.9	536.7
-40°	0.0	12.2	39.0	77.9	126.4	179.2	230.0	282.8	340.9	414.3	501.7
-42.5°	0.0	11.7	36.5	72.5	118.8	169.2	218.4	267.5	321.5	388.3	464.9
-45°	0.0	11.2	33.8	66.8	111.1	158.6	206.4	252.3	303.2	361.1	427.8
-47.5°	0.0	10.7	31.1	60.8	103.1	147.6	193.8	237.6	284.1	332.9	396.2
-50°	0.0	10.2	28.3	56.1	94.9	136.2	180.1	222.3	264.2	310.5	363.5
-52.5°	0.0	9.7	25.3	51.6	86.3	124.4	165.9	206.4	245.4	287.4	330.6
-55°	0.0	9.1	22.2	47.0	77.4	113.1	151.2	190.0	226.7	263.6	304.2
-57.5°	0.0	8.5	19.1	42.3	68.2	101.7	136.1	172.4	207.5	241.4	277.0
-60°	0.0	7.9	15.9	37.5	59.0	89.9	120.8	154.3	187.6	219.2	250.2
-62.5°	0.0	7.3	14.7	32.5	52.3	77.9	106.3	135.8	166.5	196.6	225.1
-65°	0.0	6.7	13.4	27.4	45.6	65.6	91.6	117.4	144.9	172.6	199.6
-67.5°	0.0	6.1	12.2	22.2	38.6	55.0	76.6	99.9	123.0	148.0	172.6
-70°	0.0	5.4	10.9	16.9	31.6	46.2	61.3	82.1	102.7	123.0	144.9
-72.5°	0.0	4.8	9.6	14.3	24.5	37.3	50.0	64.0	82.1	99.9	117.4
-75°	0.0	4.1	8.2	12.3	17.2	28.2	39.2	50.0	61.3	76.6	91.6
-77.5°	0.0	3.4	6.9	10.3	13.7	19.1	28.2	37.3	46.2	55.0	65.6
-80°	0.0	2.8	5.5	8.3	11.0	13.7	17.2	24.5	31.6	38.6	45.6
-82.5°	0.0	2.1	4.1	6.2	8.3	10.3	12.3	14.3	16.9	22.2	27.4
-85°	0.0	1.4	2.8	4.1	5.5	6.9	8.2	9.6	10.9	12.2	13.4
-87.5°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.4	6.1	6.7
-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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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°	7.3	7.9	8.5	9.1	9.7	10.2	10.7	11.2	11.7	12.2	12.6
85°	14.7	15.9	19.1	22.2	25.3	28.3	31.1	33.8	36.5	39.0	41.3
82.5°	32.5	37.5	42.3	47.0	51.6	56.1	60.8	66.8	72.5	77.9	83.1
80°	52.3	59.0	68.2	77.4	86.3	94.9	103.1	111.1	118.8	126.4	134.0
77.5°	77.9	89.9	101.7	113.1	124.4	136.2	147.6	158.6	169.2	179.2	188.8
75°	106.3	120.8	136.1	151.2	165.9	180.1	193.8	206.4	218.4	230.0	240.9
72.5°	135.8	154.3	172.4	190.0	206.4	222.3	237.6	252.3	267.5	282.8	297.4
70°	166.5	187.6	207.5	226.7	245.4	264.2	284.1	303.2	321.5	340.9	362.8
67.5°	196.6	219.2	241.4	263.6	287.4	310.5	332.9	361.1	388.3	414.3	440.9
65°	225.1	250.2	277.0	304.2	330.6	363.5	396.2	427.8	464.9	501.7	536.7
62.5°	253.2	283.7	314.3	347.5	385.8	422.9	466.0	510.0	552.4	600.0	646.4
60°	283.7	317.7	356.5	399.2	443.2	494.6	544.3	599.4	655.0	708.6	774.5
57.5°	314.3	356.5	403.7	454.7	511.8	569.4	634.1	696.8	771.9	846.9	921.6
55°	347.5	399.2	454.7	517.6	583.4	655.2	730.2	817.7	902.3	996.6	1086.9
52.5°	385.8	443.2	511.8	583.4	662.2	748.5	845.4	945.5	1051.0	1153.4	1253.8
50°	422.9	494.6	569.4	655.2	748.5	854.6	967.2	1083.9	1199.0	1311.4	1416.6
47.5°	466.0	544.3	634.1	730.2	845.4	967.2	1094.9	1222.0	1346.2	1461.5	1571.9
45°	510.0	599.4	696.8	817.7	945.5	1083.9	1222.0	1357.9	1484.1	1603.2	1707.3
42.5°	552.4	655.0	771.9	902.3	1051.0	1199.0	1346.2	1484.1	1613.4	1728.0	1832.6
40°	600.0	708.6	846.9	996.6	1153.4	1311.4	1461.5	1603.2	1728.0	1842.2	1948.1
37.5°	646.4	774.5	921.6	1086.9	1253.8	1416.6	1571.9	1707.3	1832.6	1948.1	2049.8
35°	690.5	837.1	1000.9	1174.5	1349.7	1515.2	1666.3	1804.2	1928.7	2040.8	2144.7
32.5°	739.5	896.3	1076.0	1258.6	1437.1	1605.6	1755.3	1890.2	2014.1	2127.9	2231.1
30°	790.0	960.1	1147.2	1337.8	1519.1	1683.9	1833.4	1970.0	2092.9	2205.3	2306.4
27.5°	837.1	1020.3	1215.2	1409.5	1594.1	1757.4	1904.9	2039.4	2163.0	2276.1	2374.1
25°	880.6	1076.0	1278.1	1475.2	1657.2	1820.8	1969.7	2104.2	2226.9	2335.5	2430.8
22.5°	923.5	1126.9	1335.8	1535.4	1715.1	1877.5	2025.1	2159.9	2282.7	2390.3	2481.8
20°	965.2	1174.5	1386.7	1588.8	1767.7	1929.1	2075.5	2210.0	2329.6	2433.8	2524.8
17.5°	1002.3	1216.8	1431.2	1631.9	1811.0	1973.1	2120.2	2255.1	2371.8	2473.0	2562.0
15°	1034.7	1253.8	1470.1	1669.6	1848.2	2009.7	2156.7	2290.2	2406.1	2506.5	2594.8
12.5°	1062.4	1285.4	1503.4	1701.9	1879.9	2041.0	2188.0	2319.6	2433.6	2532.7	2619.2
10°	1085.1	1311.4	1530.7	1728.4	1906.2	2066.9	2213.9	2344.0	2456.5	2554.5	2639.4
7.5°	1102.9	1331.7	1552.1	1749.2	1926.7	2087.1	2234.2	2363.2	2474.4	2571.7	2655.4
5°	1115.6	1346.2	1567.5	1764.1	1941.5	2101.7	2248.9	2377.0	2487.4	2584.0	2667.0
2.5°	1123.2	1355.0	1576.7	1773.1	1950.3	2110.5	2257.7	2385.3	2495.2	2591.5	2674.0
0°	1125.8	1357.9	1579.8	1776.1	1953.3	2113.4	2260.6	2388.1	2497.8	2594.0	2676.3
-2.5°	1123.2	1355.0	1576.7	1773.1	1950.3	2110.5	2257.7	2385.3	2495.2	2591.5	2674.0
-5°	1115.6	1346.2	1567.5	1764.1	1941.5	2101.7	2248.9	2377.0	2487.4	2584.0	2667.0
-7.5°	1102.9	1331.7	1552.1	1749.2	1926.7	2087.1	2234.2	2363.2	2474.4	2571.7	2655.4
-10°	1085.1	1311.4	1530.7	1728.4	1906.2	2066.9	2213.9	2344.0	2456.5	2554.5	2639.4
-12.5°	1062.4	1285.4	1503.4	1701.9	1879.9	2041.0	2188.0	2319.6	2433.6	2532.7	2619.2
-15°	1034.7	1253.8	1470.1	1669.6	1848.2	2009.7	2156.7	2290.2	2406.1	2506.5	2594.8
-17.5°	1002.3	1216.8	1431.2	1631.9	1811.0	1973.1	2120.2	2255.1	2371.8	2473.0	2562.0
-20°	965.2	1174.5	1386.7	1588.8	1767.7	1929.1	2075.5	2210.0	2329.6	2433.8	2524.8



REPORT NUMBER: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	923.5	1126.9	1335.8	1535.4	1715.1	1877.5	2025.1	2159.9	2282.7	2390.3	2481.8
-25°	880.6	1076.0	1278.1	1475.2	1657.2	1820.8	1969.7	2104.2	2226.9	2335.5	2430.8
-27.5°	837.1	1020.3	1215.2	1409.5	1594.1	1757.4	1904.9	2039.4	2163.0	2276.1	2374.1
-30°	790.0	960.1	1147.2	1337.8	1519.1	1683.9	1833.4	1970.0	2092.9	2205.3	2306.4
-32.5°	739.5	896.3	1076.0	1258.6	1437.1	1605.6	1755.3	1890.2	2014.1	2127.9	2231.1
-35°	690.5	837.1	1000.9	1174.5	1349.7	1515.2	1666.3	1804.2	1928.7	2040.8	2144.7
-37.5°	646.4	774.5	921.6	1086.9	1253.8	1416.6	1571.9	1707.3	1832.6	1948.1	2049.8
-40°	600.0	708.6	846.9	996.6	1153.4	1311.4	1461.5	1603.2	1728.0	1842.2	1948.1
-42.5°	552.4	655.0	771.9	902.3	1051.0	1199.0	1346.2	1484.1	1613.4	1728.0	1832.6
-45°	510.0	599.4	696.8	817.7	945.5	1083.9	1222.0	1357.9	1484.1	1603.2	1707.3
-47.5°	466.0	544.3	634.1	730.2	845.4	967.2	1094.9	1222.0	1346.2	1461.5	1571.9
-50°	422.9	494.6	569.4	655.2	748.5	854.6	967.2	1083.9	1199.0	1311.4	1416.6
-52.5°	385.8	443.2	511.8	583.4	662.2	748.5	845.4	945.5	1051.0	1153.4	1253.8
-55°	347.5	399.2	454.7	517.6	583.4	655.2	730.2	817.7	902.3	996.6	1086.9
-57.5°	314.3	356.5	403.7	454.7	511.8	569.4	634.1	696.8	771.9	846.9	921.6
-60°	283.7	317.7	356.5	399.2	443.2	494.6	544.3	599.4	655.0	708.6	774.5
-62.5°	253.2	283.7	314.3	347.5	385.8	422.9	466.0	510.0	552.4	600.0	646.4
-65°	225.1	250.2	277.0	304.2	330.6	363.5	396.2	427.8	464.9	501.7	536.7
-67.5°	196.6	219.2	241.4	263.6	287.4	310.5	332.9	361.1	388.3	414.3	440.9
-70°	166.5	187.6	207.5	226.7	245.4	264.2	284.1	303.2	321.5	340.9	362.8
-72.5°	135.8	154.3	172.4	190.0	206.4	222.3	237.6	252.3	267.5	282.8	297.4
-75°	106.3	120.8	136.1	151.2	165.9	180.1	193.8	206.4	218.4	230.0	240.9
-77.5°	77.9	89.9	101.7	113.1	124.4	136.2	147.6	158.6	169.2	179.2	188.8
-80°	52.3	59.0	68.2	77.4	86.3	94.9	103.1	111.1	118.8	126.4	134.0
-82.5°	32.5	37.5	42.3	47.0	51.6	56.1	60.8	66.8	72.5	77.9	83.1
-85°	14.7	15.9	19.1	22.2	25.3	28.3	31.1	33.8	36.5	39.0	41.3
-87.5°	7.3	7.9	8.5	9.1	9.7	10.2	10.7	11.2	11.7	12.2	12.6
-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: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-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°	13.0	13.4	13.8	14.1	14.4	14.7	14.9	15.2	15.4	15.5	15.7
85°	43.6	45.7	47.6	49.5	51.1	52.7	54.1	55.3	56.3	57.2	58.0
82.5°	88.0	92.6	96.9	100.9	104.6	107.9	110.9	113.6	115.9	117.9	119.5
80°	141.2	148.0	154.3	160.2	165.6	170.5	175.0	178.9	182.3	185.2	187.6
77.5°	197.5	205.6	213.2	220.2	226.7	232.6	237.9	242.6	246.7	250.2	253.1
75°	251.3	261.5	271.8	281.4	290.3	298.3	305.6	312.1	317.7	322.5	326.4
72.5°	311.1	324.1	337.2	352.0	365.6	378.1	389.3	399.2	407.9	415.3	421.4
70°	383.6	403.2	421.5	440.2	460.1	478.2	494.6	509.1	521.7	532.5	541.4
67.5°	470.6	498.7	524.9	549.4	574.8	599.4	621.7	641.4	658.7	673.4	685.4
65°	572.4	610.0	645.2	678.0	708.6	744.4	776.7	805.4	830.5	851.8	869.4
62.5°	690.5	739.5	790.0	837.1	880.6	923.5	965.2	1002.3	1034.7	1062.4	1085.1
60°	837.1	896.3	960.1	1020.3	1076.0	1126.9	1174.5	1216.8	1253.8	1285.4	1311.4
57.5°	1000.9	1076.0	1147.2	1215.2	1278.1	1335.8	1386.7	1431.2	1470.1	1503.4	1530.7
55°	1174.5	1258.6	1337.8	1409.5	1475.2	1535.4	1588.8	1631.9	1669.6	1701.9	1728.4
52.5°	1349.7	1437.1	1519.1	1594.1	1657.2	1715.1	1767.7	1811.0	1848.2	1879.9	1906.2
50°	1515.2	1605.6	1683.9	1757.4	1820.8	1877.5	1929.1	1973.1	2009.7	2041.0	2066.9
47.5°	1666.3	1755.3	1833.4	1904.9	1969.7	2025.1	2075.5	2120.2	2156.7	2188.0	2213.9
45°	1804.2	1890.2	1970.0	2039.4	2104.2	2159.9	2210.0	2255.1	2290.2	2319.6	2344.0
42.5°	1928.7	2014.1	2092.9	2163.0	2226.9	2282.7	2329.6	2371.8	2406.1	2433.6	2456.5
40°	2040.8	2127.9	2205.3	2276.1	2335.5	2390.3	2433.8	2473.0	2506.5	2532.7	2554.5
37.5°	2144.7	2231.1	2306.4	2374.1	2430.8	2481.8	2524.8	2562.0	2594.8	2619.2	2639.4
35°	2239.7	2321.7	2396.3	2458.4	2514.6	2562.6	2604.9	2639.2	2669.8	2692.9	2711.4
32.5°	2321.7	2403.1	2472.3	2533.4	2588.3	2633.1	2673.7	2705.1	2732.8	2755.1	2772.3
30°	2396.3	2472.3	2539.8	2600.3	2650.3	2693.9	2730.5	2761.2	2786.8	2808.1	2823.2
27.5°	2458.4	2533.4	2600.3	2656.1	2703.9	2745.9	2779.4	2809.0	2831.3	2850.9	2863.9
25°	2514.6	2588.3	2650.3	2703.9	2750.4	2788.7	2820.6	2847.4	2867.2	2883.9	2893.6
22.5°	2562.6	2633.1	2693.9	2745.9	2788.7	2824.6	2854.6	2877.2	2893.4	2903.6	2909.3
20°	2604.9	2673.7	2730.5	2779.4	2820.6	2854.6	2880.7	2897.4	2908.7	2911.5	2913.1
17.5°	2639.2	2705.1	2761.2	2809.0	2847.4	2877.2	2897.4	2909.2	2912.6	2912.0	2910.3
15°	2669.8	2732.8	2786.8	2831.3	2867.2	2893.4	2908.7	2912.6	2911.6	2908.2	2903.0
12.5°	2692.9	2755.1	2808.1	2850.9	2883.9	2903.6	2911.5	2912.0	2908.2	2901.7	2894.2
10°	2711.4	2772.3	2823.2	2863.9	2893.6	2909.3	2913.1	2910.3	2903.0	2894.2	2885.9
7.5°	2726.0	2785.9	2835.2	2874.2	2899.9	2911.0	2911.9	2906.6	2897.8	2887.8	2878.9
5°	2736.6	2795.8	2843.9	2881.8	2904.5	2912.3	2911.0	2903.7	2893.4	2883.1	2875.0
2.5°	2743.0	2801.8	2849.2	2886.4	2907.3	2913.1	2910.4	2901.9	2890.7	2880.1	2872.3
0°	2745.1	2803.8	2851.0	2887.9	2908.3	2913.4	2910.2	2901.3	2889.8	2879.0	2871.4
-2.5°	2743.0	2801.8	2849.2	2886.4	2907.3	2913.1	2910.4	2901.9	2890.7	2880.1	2872.3
-5°	2736.6	2795.8	2843.9	2881.8	2904.5	2912.3	2911.0	2903.7	2893.4	2883.1	2875.0
-7.5°	2726.0	2785.9	2835.2	2874.2	2899.9	2911.0	2911.9	2906.6	2897.8	2887.8	2878.9
-10°	2711.4	2772.3	2823.2	2863.9	2893.6	2909.3	2913.1	2910.3	2903.0	2894.2	2885.9
-12.5°	2692.9	2755.1	2808.1	2850.9	2883.9	2903.6	2911.5	2912.0	2908.2	2901.7	2894.2
-15°	2669.8	2732.8	2786.8	2831.3	2867.2	2893.4	2908.7	2912.6	2911.6	2908.2	2903.0
-17.5°	2639.2	2705.1	2761.2	2809.0	2847.4	2877.2	2897.4	2909.2	2912.6	2912.0	2910.3
-20°	2604.9	2673.7	2730.5	2779.4	2820.6	2854.6	2880.7	2897.4	2908.7	2911.5	2913.1



REPORT NUMBER: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2562.6	2633.1	2693.9	2745.9	2788.7	2824.6	2854.6	2877.2	2893.4	2903.6	2909.3
-25°	2514.6	2588.3	2650.3	2703.9	2750.4	2788.7	2820.6	2847.4	2867.2	2883.9	2893.6
-27.5°	2458.4	2533.4	2600.3	2656.1	2703.9	2745.9	2779.4	2809.0	2831.3	2850.9	2863.9
-30°	2396.3	2472.3	2539.8	2600.3	2650.3	2693.9	2730.5	2761.2	2786.8	2808.1	2823.2
-32.5°	2321.7	2403.1	2472.3	2533.4	2588.3	2633.1	2673.7	2705.1	2732.8	2755.1	2772.3
-35°	2239.7	2321.7	2396.3	2458.4	2514.6	2562.6	2604.9	2639.2	2669.8	2692.9	2711.4
-37.5°	2144.7	2231.1	2306.4	2374.1	2430.8	2481.8	2524.8	2562.0	2594.8	2619.2	2639.4
-40°	2040.8	2127.9	2205.3	2276.1	2335.5	2390.3	2433.8	2473.0	2506.5	2532.7	2554.5
-42.5°	1928.7	2014.1	2092.9	2163.0	2226.9	2282.7	2329.6	2371.8	2406.1	2433.6	2456.5
-45°	1804.2	1890.2	1970.0	2039.4	2104.2	2159.9	2210.0	2255.1	2290.2	2319.6	2344.0
-47.5°	1666.3	1755.3	1833.4	1904.9	1969.7	2025.1	2075.5	2120.2	2156.7	2188.0	2213.9
-50°	1515.2	1605.6	1683.9	1757.4	1820.8	1877.5	1929.1	1973.1	2009.7	2041.0	2066.9
-52.5°	1349.7	1437.1	1519.1	1594.1	1657.2	1715.1	1767.7	1811.0	1848.2	1879.9	1906.2
-55°	1174.5	1258.6	1337.8	1409.5	1475.2	1535.4	1588.8	1631.9	1669.6	1701.9	1728.4
-57.5°	1000.9	1076.0	1147.2	1215.2	1278.1	1335.8	1386.7	1431.2	1470.1	1503.4	1530.7
-60°	837.1	896.3	960.1	1020.3	1076.0	1126.9	1174.5	1216.8	1253.8	1285.4	1311.4
-62.5°	690.5	739.5	790.0	837.1	880.6	923.5	965.2	1002.3	1034.7	1062.4	1085.1
-65°	572.4	610.0	645.2	678.0	708.6	744.4	776.7	805.4	830.5	851.8	869.4
-67.5°	470.6	498.7	524.9	549.4	574.8	599.4	621.7	641.4	658.7	673.4	685.4
-70°	383.6	403.2	421.5	440.2	460.1	478.2	494.6	509.1	521.7	532.5	541.4
-72.5°	311.1	324.1	337.2	352.0	365.6	378.1	389.3	399.2	407.9	415.3	421.4
-75°	251.3	261.5	271.8	281.4	290.3	298.3	305.6	312.1	317.7	322.5	326.4
-77.5°	197.5	205.6	213.2	220.2	226.7	232.6	237.9	242.6	246.7	250.2	253.1
-80°	141.2	148.0	154.3	160.2	165.6	170.5	175.0	178.9	182.3	185.2	187.6
-82.5°	88.0	92.6	96.9	100.9	104.6	107.9	110.9	113.6	115.9	117.9	119.5
-85°	43.6	45.7	47.6	49.5	51.1	52.7	54.1	55.3	56.3	57.2	58.0
-87.5°	13.0	13.4	13.8	14.1	14.4	14.7	14.9	15.2	15.4	15.5	15.7
-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: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2C-722-U-LAM-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°	15.8	15.8	15.9	15.9	15.9	15.8	15.8	15.7	15.5	15.4	15.2
85°	58.6	59.0	59.2	59.3	59.2	59.0	58.6	58.0	57.2	56.3	55.3
82.5°	120.8	121.7	122.2	122.4	122.2	121.7	120.8	119.5	117.9	115.9	113.6
80°	189.5	190.8	191.6	191.9	191.6	190.8	189.5	187.6	185.2	182.3	178.9
77.5°	255.3	256.9	257.9	258.2	257.9	256.9	255.3	253.1	250.2	246.7	242.6
75°	329.5	331.6	333.0	333.4	333.0	331.6	329.5	326.4	322.5	317.7	312.1
72.5°	426.1	429.5	431.5	432.2	431.5	429.5	426.1	421.4	415.3	407.9	399.2
70°	548.3	553.2	556.2	557.2	556.2	553.2	548.3	541.4	532.5	521.7	509.1
67.5°	694.8	701.6	705.6	707.0	705.6	701.6	694.8	685.4	673.4	658.7	641.4
65°	883.1	892.9	898.8	900.8	898.8	892.9	883.1	869.4	851.8	830.5	805.4
62.5°	1102.9	1115.6	1123.2	1125.8	1123.2	1115.6	1102.9	1085.1	1062.4	1034.7	1002.3
60°	1331.7	1346.2	1355.0	1357.9	1355.0	1346.2	1331.7	1311.4	1285.4	1253.8	1216.8
57.5°	1552.1	1567.5	1576.7	1579.8	1576.7	1567.5	1552.1	1530.7	1503.4	1470.1	1431.2
55°	1749.2	1764.1	1773.1	1776.1	1773.1	1764.1	1749.2	1728.4	1701.9	1669.6	1631.9
52.5°	1926.7	1941.5	1950.3	1953.3	1950.3	1941.5	1926.7	1906.2	1879.9	1848.2	1811.0
50°	2087.1	2101.7	2110.5	2113.4	2110.5	2101.7	2087.1	2066.9	2041.0	2009.7	1973.1
47.5°	2234.2	2248.9	2257.7	2260.6	2257.7	2248.9	2234.2	2213.9	2188.0	2156.7	2120.2
45°	2363.2	2377.0	2385.3	2388.1	2385.3	2377.0	2363.2	2344.0	2319.6	2290.2	2255.1
42.5°	2474.4	2487.4	2495.2	2497.8	2495.2	2487.4	2474.4	2456.5	2433.6	2406.1	2371.8
40°	2571.7	2584.0	2591.5	2594.0	2591.5	2584.0	2571.7	2554.5	2532.7	2506.5	2473.0
37.5°	2655.4	2667.0	2674.0	2676.3	2674.0	2667.0	2655.4	2639.4	2619.2	2594.8	2562.0
35°	2726.0	2736.6	2743.0	2745.1	2743.0	2736.6	2726.0	2711.4	2692.9	2669.8	2639.2
32.5°	2785.9	2795.8	2801.8	2803.8	2801.8	2795.8	2785.9	2772.3	2755.1	2732.8	2705.1
30°	2835.2	2843.9	2849.2	2851.0	2849.2	2843.9	2835.2	2823.2	2808.1	2786.8	2761.2
27.5°	2874.2	2881.8	2886.4	2887.9	2886.4	2881.8	2874.2	2863.9	2850.9	2831.3	2809.0
25°	2899.9	2904.5	2907.3	2908.3	2907.3	2904.5	2899.9	2893.6	2883.9	2867.2	2847.4
22.5°	2911.0	2912.3	2913.1	2913.4	2913.1	2912.3	2911.0	2909.3	2903.6	2893.4	2877.2
20°	2911.9	2911.0	2910.4	2910.2	2910.4	2911.0	2911.9	2913.1	2911.5	2908.7	2897.4
17.5°	2906.6	2903.7	2901.9	2901.3	2901.9	2903.7	2906.6	2910.3	2912.0	2912.6	2909.2
15°	2897.8	2893.4	2890.7	2889.8	2890.7	2893.4	2897.8	2903.0	2908.2	2911.6	2912.6
12.5°	2887.8	2883.1	2880.1	2879.0	2880.1	2883.1	2887.8	2894.2	2901.7	2908.2	2912.0
10°	2878.9	2875.0	2872.3	2871.4	2872.3	2875.0	2878.9	2885.9	2894.2	2903.0	2910.3
7.5°	2873.2	2869.6	2867.6	2866.9	2867.6	2869.6	2873.2	2878.9	2887.8	2897.8	2906.6
5°	2869.6	2866.0	2863.0	2861.8	2863.0	2866.0	2869.6	2875.0	2883.1	2893.4	2903.7
2.5°	2867.6	2863.0	2858.5	2856.1	2858.5	2863.0	2867.6	2872.3	2880.1	2890.7	2901.9
0°	2866.9	2861.8	2856.1	2856.7	2856.1	2861.8	2866.9	2871.4	2879.0	2889.8	2901.3
-2.5°	2867.6	2863.0	2858.5	2856.1	2858.5	2863.0	2867.6	2872.3	2880.1	2890.7	2901.9
-5°	2869.6	2866.0	2863.0	2861.8	2863.0	2866.0	2869.6	2875.0	2883.1	2893.4	2903.7
-7.5°	2873.2	2869.6	2867.6	2866.9	2867.6	2869.6	2873.2	2878.9	2887.8	2897.8	2906.6
-10°	2878.9	2875.0	2872.3	2871.4	2872.3	2875.0	2878.9	2885.9	2894.2	2903.0	2910.3
-12.5°	2887.8	2883.1	2880.1	2879.0	2880.1	2883.1	2887.8	2894.2	2901.7	2908.2	2912.0
-15°	2897.8	2893.4	2890.7	2889.8	2890.7	2893.4	2897.8	2903.0	2908.2	2911.6	2912.6
-17.5°	2906.6	2903.7	2901.9	2901.3	2901.9	2903.7	2906.6	2910.3	2912.0	2912.6	2909.2
-20°	2911.9	2911.0	2910.4	2910.2	2910.4	2911.0	2911.9	2913.1	2911.5	2908.7	2897.4

Classified

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

Scaled Data Report



REPORT NUMBER: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2911.0	2912.3	2913.1	2913.4	2913.1	2912.3	2911.0	2909.3	2903.6	2893.4	2877.2
-25°	2899.9	2904.5	2907.3	2908.3	2907.3	2904.5	2899.9	2893.6	2883.9	2867.2	2847.4
-27.5°	2874.2	2881.8	2886.4	2887.9	2886.4	2881.8	2874.2	2863.9	2850.9	2831.3	2809.0
-30°	2835.2	2843.9	2849.2	2851.0	2849.2	2843.9	2835.2	2823.2	2808.1	2786.8	2761.2
-32.5°	2785.9	2795.8	2801.8	2803.8	2801.8	2795.8	2785.9	2772.3	2755.1	2732.8	2705.1
-35°	2726.0	2736.6	2743.0	2745.1	2743.0	2736.6	2726.0	2711.4	2692.9	2669.8	2639.2
-37.5°	2655.4	2667.0	2674.0	2676.3	2674.0	2667.0	2655.4	2639.4	2619.2	2594.8	2562.0
-40°	2571.7	2584.0	2591.5	2594.0	2591.5	2584.0	2571.7	2554.5	2532.7	2506.5	2473.0
-42.5°	2474.4	2487.4	2495.2	2497.8	2495.2	2487.4	2474.4	2456.5	2433.6	2406.1	2371.8
-45°	2363.2	2377.0	2385.3	2388.1	2385.3	2377.0	2363.2	2344.0	2319.6	2290.2	2255.1
-47.5°	2234.2	2248.9	2257.7	2260.6	2257.7	2248.9	2234.2	2213.9	2188.0	2156.7	2120.2
-50°	2087.1	2101.7	2110.5	2113.4	2110.5	2101.7	2087.1	2066.9	2041.0	2009.7	1973.1
-52.5°	1926.7	1941.5	1950.3	1953.3	1950.3	1941.5	1926.7	1906.2	1879.9	1848.2	1811.0
-55°	1749.2	1764.1	1773.1	1776.1	1773.1	1764.1	1749.2	1728.4	1701.9	1669.6	1631.9
-57.5°	1552.1	1567.5	1576.7	1579.8	1576.7	1567.5	1552.1	1530.7	1503.4	1470.1	1431.2
-60°	1331.7	1346.2	1355.0	1357.9	1355.0	1346.2	1331.7	1311.4	1285.4	1253.8	1216.8
-62.5°	1102.9	1115.6	1123.2	1125.8	1123.2	1115.6	1102.9	1085.1	1062.4	1034.7	1002.3
-65°	883.1	892.9	898.8	900.8	898.8	892.9	883.1	869.4	851.8	830.5	805.4
-67.5°	694.8	701.6	705.6	707.0	705.6	701.6	694.8	685.4	673.4	658.7	641.4
-70°	548.3	553.2	556.2	557.2	556.2	553.2	548.3	541.4	532.5	521.7	509.1
-72.5°	426.1	429.5	431.5	432.2	431.5	429.5	426.1	421.4	415.3	407.9	399.2
-75°	329.5	331.6	333.0	333.4	333.0	331.6	329.5	326.4	322.5	317.7	312.1
-77.5°	255.3	256.9	257.9	258.2	257.9	256.9	255.3	253.1	250.2	246.7	242.6
-80°	189.5	190.8	191.6	191.9	191.6	190.8	189.5	187.6	185.2	182.3	178.9
-82.5°	120.8	121.7	122.2	122.4	122.2	121.7	120.8	119.5	117.9	115.9	113.6
-85°	58.6	59.0	59.2	59.3	59.2	59.0	58.6	58.0	57.2	56.3	55.3
-87.5°	15.8	15.8	15.9	15.9	15.9	15.8	15.8	15.7	15.5	15.4	15.2
-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: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2C-722-U-LAM-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°	14.9	14.7	14.4	14.1	13.8	13.4	13.0	12.6	12.2	11.7	11.2
85°	54.1	52.7	51.1	49.5	47.6	45.7	43.6	41.3	39.0	36.5	33.8
82.5°	110.9	107.9	104.6	100.9	96.9	92.6	88.0	83.1	77.9	72.5	66.8
80°	175.0	170.5	165.6	160.2	154.3	148.0	141.2	134.0	126.4	118.8	111.1
77.5°	237.9	232.6	226.7	220.2	213.2	205.6	197.5	188.8	179.2	169.2	158.6
75°	305.6	298.3	290.3	281.4	271.8	261.5	251.3	240.9	230.0	218.4	206.4
72.5°	389.3	378.1	365.6	352.0	337.2	324.1	311.1	297.4	282.8	267.5	252.3
70°	494.6	478.2	460.1	440.2	421.5	403.2	383.6	362.8	340.9	321.5	303.2
67.5°	621.7	599.4	574.8	549.4	524.9	498.7	470.6	440.9	414.3	388.3	361.1
65°	776.7	744.4	708.6	678.0	645.2	610.0	572.4	536.7	501.7	464.9	427.8
62.5°	965.2	923.5	880.6	837.1	790.0	739.5	690.5	646.4	600.0	552.4	510.0
60°	1174.5	1126.9	1076.0	1020.3	960.1	896.3	837.1	774.5	708.6	655.0	599.4
57.5°	1386.7	1335.8	1278.1	1215.2	1147.2	1076.0	1000.9	921.6	846.9	771.9	696.8
55°	1588.8	1535.4	1475.2	1409.5	1337.8	1258.6	1174.5	1086.9	996.6	902.3	817.7
52.5°	1767.7	1715.1	1657.2	1594.1	1519.1	1437.1	1349.7	1253.8	1153.4	1051.0	945.5
50°	1929.1	1877.5	1820.8	1757.4	1683.9	1605.6	1515.2	1416.6	1311.4	1199.0	1083.9
47.5°	2075.5	2025.1	1969.7	1904.9	1833.4	1755.3	1666.3	1571.9	1461.5	1346.2	1222.0
45°	2210.0	2159.9	2104.2	2039.4	1970.0	1890.2	1804.2	1707.3	1603.2	1484.1	1357.9
42.5°	2329.6	2282.7	2226.9	2163.0	2092.9	2014.1	1928.7	1832.6	1728.0	1613.4	1484.1
40°	2433.8	2390.3	2335.5	2276.1	2205.3	2127.9	2040.8	1948.1	1842.2	1728.0	1603.2
37.5°	2524.8	2481.8	2430.8	2374.1	2306.4	2231.1	2144.7	2049.8	1948.1	1832.6	1707.3
35°	2604.9	2562.6	2514.6	2458.4	2396.3	2321.7	2239.7	2144.7	2040.8	1928.7	1804.2
32.5°	2673.7	2633.1	2588.3	2533.4	2472.3	2403.1	2321.7	2231.1	2127.9	2014.1	1890.2
30°	2730.5	2693.9	2650.3	2600.3	2539.8	2472.3	2396.3	2306.4	2205.3	2092.9	1970.0
27.5°	2779.4	2745.9	2703.9	2656.1	2600.3	2533.4	2458.4	2374.1	2276.1	2163.0	2039.4
25°	2820.6	2788.7	2750.4	2703.9	2650.3	2588.3	2514.6	2430.8	2335.5	2226.9	2104.2
22.5°	2854.6	2824.6	2788.7	2745.9	2693.9	2633.1	2562.6	2481.8	2390.3	2282.7	2159.9
20°	2880.7	2854.6	2820.6	2779.4	2730.5	2673.7	2604.9	2524.8	2433.8	2329.6	2210.0
17.5°	2897.4	2877.2	2847.4	2809.0	2761.2	2705.1	2639.2	2562.0	2473.0	2371.8	2255.1
15°	2908.7	2893.4	2867.2	2831.3	2786.8	2732.8	2669.8	2594.8	2506.5	2406.1	2290.2
12.5°	2911.5	2903.6	2883.9	2850.9	2808.1	2755.1	2692.9	2619.2	2532.7	2433.6	2319.6
10°	2913.1	2909.3	2893.6	2863.9	2823.2	2772.3	2711.4	2639.4	2554.5	2456.5	2344.0
7.5°	2911.9	2911.0	2899.9	2874.2	2835.2	2785.9	2726.0	2655.4	2571.7	2474.4	2363.2
5°	2911.0	2912.3	2904.5	2881.8	2843.9	2795.8	2736.6	2667.0	2584.0	2487.4	2377.0
2.5°	2910.4	2913.1	2907.3	2886.4	2849.2	2801.8	2743.0	2674.0	2591.5	2495.2	2385.3
0°	2910.2	2913.4	2908.3	2887.9	2851.0	2803.8	2745.1	2676.3	2594.0	2497.8	2388.1
-2.5°	2910.4	2913.1	2907.3	2886.4	2849.2	2801.8	2743.0	2674.0	2591.5	2495.2	2385.3
-5°	2911.0	2912.3	2904.5	2881.8	2843.9	2795.8	2736.6	2667.0	2584.0	2487.4	2377.0
-7.5°	2911.9	2911.0	2899.9	2874.2	2835.2	2785.9	2726.0	2655.4	2571.7	2474.4	2363.2
-10°	2913.1	2909.3	2893.6	2863.9	2823.2	2772.3	2711.4	2639.4	2554.5	2456.5	2344.0
-12.5°	2911.5	2903.6	2883.9	2850.9	2808.1	2755.1	2692.9	2619.2	2532.7	2433.6	2319.6
-15°	2908.7	2893.4	2867.2	2831.3	2786.8	2732.8	2669.8	2594.8	2506.5	2406.1	2290.2
-17.5°	2897.4	2877.2	2847.4	2809.0	2761.2	2705.1	2639.2	2562.0	2473.0	2371.8	2255.1
-20°	2880.7	2854.6	2820.6	2779.4	2730.5	2673.7	2604.9	2524.8	2433.8	2329.6	2210.0



REPORT NUMBER: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2854.6	2824.6	2788.7	2745.9	2693.9	2633.1	2562.6	2481.8	2390.3	2282.7	2159.9
-25°	2820.6	2788.7	2750.4	2703.9	2650.3	2588.3	2514.6	2430.8	2335.5	2226.9	2104.2
-27.5°	2779.4	2745.9	2703.9	2656.1	2600.3	2533.4	2458.4	2374.1	2276.1	2163.0	2039.4
-30°	2730.5	2693.9	2650.3	2600.3	2539.8	2472.3	2396.3	2306.4	2205.3	2092.9	1970.0
-32.5°	2673.7	2633.1	2588.3	2533.4	2472.3	2403.1	2321.7	2231.1	2127.9	2014.1	1890.2
-35°	2604.9	2562.6	2514.6	2458.4	2396.3	2321.7	2239.7	2144.7	2040.8	1928.7	1804.2
-37.5°	2524.8	2481.8	2430.8	2374.1	2306.4	2231.1	2144.7	2049.8	1948.1	1832.6	1707.3
-40°	2433.8	2390.3	2335.5	2276.1	2205.3	2127.9	2040.8	1948.1	1842.2	1728.0	1603.2
-42.5°	2329.6	2282.7	2226.9	2163.0	2092.9	2014.1	1928.7	1832.6	1728.0	1613.4	1484.1
-45°	2210.0	2159.9	2104.2	2039.4	1970.0	1890.2	1804.2	1707.3	1603.2	1484.1	1357.9
-47.5°	2075.5	2025.1	1969.7	1904.9	1833.4	1755.3	1666.3	1571.9	1461.5	1346.2	1222.0
-50°	1929.1	1877.5	1820.8	1757.4	1683.9	1605.6	1515.2	1416.6	1311.4	1199.0	1083.9
-52.5°	1767.7	1715.1	1657.2	1594.1	1519.1	1437.1	1349.7	1253.8	1153.4	1051.0	945.5
-55°	1588.8	1535.4	1475.2	1409.5	1337.8	1258.6	1174.5	1086.9	996.6	902.3	817.7
-57.5°	1386.7	1335.8	1278.1	1215.2	1147.2	1076.0	1000.9	921.6	846.9	771.9	696.8
-60°	1174.5	1126.9	1076.0	1020.3	960.1	896.3	837.1	774.5	708.6	655.0	599.4
-62.5°	965.2	923.5	880.6	837.1	790.0	739.5	690.5	646.4	600.0	552.4	510.0
-65°	776.7	744.4	708.6	678.0	645.2	610.0	572.4	536.7	501.7	464.9	427.8
-67.5°	621.7	599.4	574.8	549.4	524.9	498.7	470.6	440.9	414.3	388.3	361.1
-70°	494.6	478.2	460.1	440.2	421.5	403.2	383.6	362.8	340.9	321.5	303.2
-72.5°	389.3	378.1	365.6	352.0	337.2	324.1	311.1	297.4	282.8	267.5	252.3
-75°	305.6	298.3	290.3	281.4	271.8	261.5	251.3	240.9	230.0	218.4	206.4
-77.5°	237.9	232.6	226.7	220.2	213.2	205.6	197.5	188.8	179.2	169.2	158.6
-80°	175.0	170.5	165.6	160.2	154.3	148.0	141.2	134.0	126.4	118.8	111.1
-82.5°	110.9	107.9	104.6	100.9	96.9	92.6	88.0	83.1	77.9	72.5	66.8
-85°	54.1	52.7	51.1	49.5	47.6	45.7	43.6	41.3	39.0	36.5	33.8
-87.5°	14.9	14.7	14.4	14.1	13.8	13.4	13.0	12.6	12.2	11.7	11.2
-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: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-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°	10.7	10.2	9.7	9.1	8.5	7.9	7.3	6.7	6.1	5.4	4.8
85°	31.1	28.3	25.3	22.2	19.1	15.9	14.7	13.4	12.2	10.9	9.6
82.5°	60.8	56.1	51.6	47.0	42.3	37.5	32.5	27.4	22.2	16.9	14.3
80°	103.1	94.9	86.3	77.4	68.2	59.0	52.3	45.6	38.6	31.6	24.5
77.5°	147.6	136.2	124.4	113.1	101.7	89.9	77.9	65.6	55.0	46.2	37.3
75°	193.8	180.1	165.9	151.2	136.1	120.8	106.3	91.6	76.6	61.3	50.0
72.5°	237.6	222.3	206.4	190.0	172.4	154.3	135.8	117.4	99.9	82.1	64.0
70°	284.1	264.2	245.4	226.7	207.5	187.6	166.5	144.9	123.0	102.7	82.1
67.5°	332.9	310.5	287.4	263.6	241.4	219.2	196.6	172.6	148.0	123.0	99.9
65°	396.2	363.5	330.6	304.2	277.0	250.2	225.1	199.6	172.6	144.9	117.4
62.5°	466.0	422.9	385.8	347.5	314.3	283.7	253.2	225.1	196.6	166.5	135.8
60°	544.3	494.6	443.2	399.2	356.5	317.7	283.7	250.2	219.2	187.6	154.3
57.5°	634.1	569.4	511.8	454.7	403.7	356.5	314.3	277.0	241.4	207.5	172.4
55°	730.2	655.2	583.4	517.6	454.7	399.2	347.5	304.2	263.6	226.7	190.0
52.5°	845.4	748.5	662.2	583.4	511.8	443.2	385.8	330.6	287.4	245.4	206.4
50°	967.2	854.6	748.5	655.2	569.4	494.6	422.9	363.5	310.5	264.2	222.3
47.5°	1094.9	967.2	845.4	730.2	634.1	544.3	466.0	396.2	332.9	284.1	237.6
45°	1222.0	1083.9	945.5	817.7	696.8	599.4	510.0	427.8	361.1	303.2	252.3
42.5°	1346.2	1199.0	1051.0	902.3	771.9	655.0	552.4	464.9	388.3	321.5	267.5
40°	1461.5	1311.4	1153.4	996.6	846.9	708.6	600.0	501.7	414.3	340.9	282.8
37.5°	1571.9	1416.6	1253.8	1086.9	921.6	774.5	646.4	536.7	440.9	362.8	297.4
35°	1666.3	1515.2	1349.7	1174.5	1000.9	837.1	690.5	572.4	470.6	383.6	311.1
32.5°	1755.3	1605.6	1437.1	1258.6	1076.0	896.3	739.5	610.0	498.7	403.2	324.1
30°	1833.4	1683.9	1519.1	1337.8	1147.2	960.1	790.0	645.2	524.9	421.5	337.2
27.5°	1904.9	1757.4	1594.1	1409.5	1215.2	1020.3	837.1	678.0	549.4	440.2	352.0
25°	1969.7	1820.8	1657.2	1475.2	1278.1	1076.0	880.6	708.6	574.8	460.1	365.6
22.5°	2025.1	1877.5	1715.1	1535.4	1335.8	1126.9	923.5	744.4	599.4	478.2	378.1
20°	2075.5	1929.1	1767.7	1588.8	1386.7	1174.5	965.2	776.7	621.7	494.6	389.3
17.5°	2120.2	1973.1	1811.0	1631.9	1431.2	1216.8	1002.3	805.4	641.4	509.1	399.2
15°	2156.7	2009.7	1848.2	1669.6	1470.1	1253.8	1034.7	830.5	658.7	521.7	407.9
12.5°	2188.0	2041.0	1879.9	1701.9	1503.4	1285.4	1062.4	851.8	673.4	532.5	415.3
10°	2213.9	2066.9	1906.2	1728.4	1530.7	1311.4	1085.1	869.4	685.4	541.4	421.4
7.5°	2234.2	2087.1	1926.7	1749.2	1552.1	1331.7	1102.9	883.1	694.8	548.3	426.1
5°	2248.9	2101.7	1941.5	1764.1	1567.5	1346.2	1115.6	892.9	701.6	553.2	429.5
2.5°	2257.7	2110.5	1950.3	1773.1	1576.7	1355.0	1123.2	898.8	705.6	556.2	431.5
0°	2260.6	2113.4	1953.3	1776.1	1579.8	1357.9	1125.8	900.8	707.0	557.2	432.2
-2.5°	2257.7	2110.5	1950.3	1773.1	1576.7	1355.0	1123.2	898.8	705.6	556.2	431.5
-5°	2248.9	2101.7	1941.5	1764.1	1567.5	1346.2	1115.6	892.9	701.6	553.2	429.5
-7.5°	2234.2	2087.1	1926.7	1749.2	1552.1	1331.7	1102.9	883.1	694.8	548.3	426.1
-10°	2213.9	2066.9	1906.2	1728.4	1530.7	1311.4	1085.1	869.4	685.4	541.4	421.4
-12.5°	2188.0	2041.0	1879.9	1701.9	1503.4	1285.4	1062.4	851.8	673.4	532.5	415.3
-15°	2156.7	2009.7	1848.2	1669.6	1470.1	1253.8	1034.7	830.5	658.7	521.7	407.9
-17.5°	2120.2	1973.1	1811.0	1631.9	1431.2	1216.8	1002.3	805.4	641.4	509.1	399.2
-20°	2075.5	1929.1	1767.7	1588.8	1386.7	1174.5	965.2	776.7	621.7	494.6	389.3

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

Scaled Data Report



REPORT NUMBER: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2025.1	1877.5	1715.1	1535.4	1335.8	1126.9	923.5	744.4	599.4	478.2	378.1
-25°	1969.7	1820.8	1657.2	1475.2	1278.1	1076.0	880.6	708.6	574.8	460.1	365.6
-27.5°	1904.9	1757.4	1594.1	1409.5	1215.2	1020.3	837.1	678.0	549.4	440.2	352.0
-30°	1833.4	1683.9	1519.1	1337.8	1147.2	960.1	790.0	645.2	524.9	421.5	337.2
-32.5°	1755.3	1605.6	1437.1	1258.6	1076.0	896.3	739.5	610.0	498.7	403.2	324.1
-35°	1666.3	1515.2	1349.7	1174.5	1000.9	837.1	690.5	572.4	470.6	383.6	311.1
-37.5°	1571.9	1416.6	1253.8	1086.9	921.6	774.5	646.4	536.7	440.9	362.8	297.4
-40°	1461.5	1311.4	1153.4	996.6	846.9	708.6	600.0	501.7	414.3	340.9	282.8
-42.5°	1346.2	1199.0	1051.0	902.3	771.9	655.0	552.4	464.9	388.3	321.5	267.5
-45°	1222.0	1083.9	945.5	817.7	696.8	599.4	510.0	427.8	361.1	303.2	252.3
-47.5°	1094.9	967.2	845.4	730.2	634.1	544.3	466.0	396.2	332.9	284.1	237.6
-50°	967.2	854.6	748.5	655.2	569.4	494.6	422.9	363.5	310.5	264.2	222.3
-52.5°	845.4	748.5	662.2	583.4	511.8	443.2	385.8	330.6	287.4	245.4	206.4
-55°	730.2	655.2	583.4	517.6	454.7	399.2	347.5	304.2	263.6	226.7	190.0
-57.5°	634.1	569.4	511.8	454.7	403.7	356.5	314.3	277.0	241.4	207.5	172.4
-60°	544.3	494.6	443.2	399.2	356.5	317.7	283.7	250.2	219.2	187.6	154.3
-62.5°	466.0	422.9	385.8	347.5	314.3	283.7	253.2	225.1	196.6	166.5	135.8
-65°	396.2	363.5	330.6	304.2	277.0	250.2	225.1	199.6	172.6	144.9	117.4
-67.5°	332.9	310.5	287.4	263.6	241.4	219.2	196.6	172.6	148.0	123.0	99.9
-70°	284.1	264.2	245.4	226.7	207.5	187.6	166.5	144.9	123.0	102.7	82.1
-72.5°	237.6	222.3	206.4	190.0	172.4	154.3	135.8	117.4	99.9	82.1	64.0
-75°	193.8	180.1	165.9	151.2	136.1	120.8	106.3	91.6	76.6	61.3	50.0
-77.5°	147.6	136.2	124.4	113.1	101.7	89.9	77.9	65.6	55.0	46.2	37.3
-80°	103.1	94.9	86.3	77.4	68.2	59.0	52.3	45.6	38.6	31.6	24.5
-82.5°	60.8	56.1	51.6	47.0	42.3	37.5	32.5	27.4	22.2	16.9	14.3
-85°	31.1	28.3	25.3	22.2	19.1	15.9	14.7	13.4	12.2	10.9	9.6
-87.5°	10.7	10.2	9.7	9.1	8.5	7.9	7.3	6.7	6.1	5.4	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-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°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
85°	8.2	6.9	5.5	4.1	2.8	1.4	0.0
82.5°	12.3	10.3	8.3	6.2	4.1	2.1	0.0
80°	17.2	13.7	11.0	8.3	5.5	2.8	0.0
77.5°	28.2	19.1	13.7	10.3	6.9	3.4	0.0
75°	39.2	28.2	17.2	12.3	8.2	4.1	0.0
72.5°	50.0	37.3	24.5	14.3	9.6	4.8	0.0
70°	61.3	46.2	31.6	16.9	10.9	5.4	0.0
67.5°	76.6	55.0	38.6	22.2	12.2	6.1	0.0
65°	91.6	65.6	45.6	27.4	13.4	6.7	0.0
62.5°	106.3	77.9	52.3	32.5	14.7	7.3	0.0
60°	120.8	89.9	59.0	37.5	15.9	7.9	0.0
57.5°	136.1	101.7	68.2	42.3	19.1	8.5	0.0
55°	151.2	113.1	77.4	47.0	22.2	9.1	0.0
52.5°	165.9	124.4	86.3	51.6	25.3	9.7	0.0
50°	180.1	136.2	94.9	56.1	28.3	10.2	0.0
47.5°	193.8	147.6	103.1	60.8	31.1	10.7	0.0
45°	206.4	158.6	111.1	66.8	33.8	11.2	0.0
42.5°	218.4	169.2	118.8	72.5	36.5	11.7	0.0
40°	230.0	179.2	126.4	77.9	39.0	12.2	0.0
37.5°	240.9	188.8	134.0	83.1	41.3	12.6	0.0
35°	251.3	197.5	141.2	88.0	43.6	13.0	0.0
32.5°	261.5	205.6	148.0	92.6	45.7	13.4	0.0
30°	271.8	213.2	154.3	96.9	47.6	13.8	0.0
27.5°	281.4	220.2	160.2	100.9	49.5	14.1	0.0
25°	290.3	226.7	165.6	104.6	51.1	14.4	0.0
22.5°	298.3	232.6	170.5	107.9	52.7	14.7	0.0
20°	305.6	237.9	175.0	110.9	54.1	14.9	0.0
17.5°	312.1	242.6	178.9	113.6	55.3	15.2	0.0
15°	317.7	246.7	182.3	115.9	56.3	15.4	0.0
12.5°	322.5	250.2	185.2	117.9	57.2	15.5	0.0
10°	326.4	253.1	187.6	119.5	58.0	15.7	0.0
7.5°	329.5	255.3	189.5	120.8	58.6	15.8	0.0
5°	331.6	256.9	190.8	121.7	59.0	15.8	0.0
2.5°	333.0	257.9	191.6	122.2	59.2	15.9	0.0
0°	333.4	258.2	191.9	122.4	59.3	15.9	0.0
-2.5°	333.0	257.9	191.6	122.2	59.2	15.9	0.0
-5°	331.6	256.9	190.8	121.7	59.0	15.8	0.0
-7.5°	329.5	255.3	189.5	120.8	58.6	15.8	0.0
-10°	326.4	253.1	187.6	119.5	58.0	15.7	0.0
-12.5°	322.5	250.2	185.2	117.9	57.2	15.5	0.0
-15°	317.7	246.7	182.3	115.9	56.3	15.4	0.0
-17.5°	312.1	242.6	178.9	113.6	55.3	15.2	0.0
-20°	305.6	237.9	175.0	110.9	54.1	14.9	0.0

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REPORT NUMBER: P645368 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	298.3	232.6	170.5	107.9	52.7	14.7	0.0
-25°	290.3	226.7	165.6	104.6	51.1	14.4	0.0
-27.5°	281.4	220.2	160.2	100.9	49.5	14.1	0.0
-30°	271.8	213.2	154.3	96.9	47.6	13.8	0.0
-32.5°	261.5	205.6	148.0	92.6	45.7	13.4	0.0
-35°	251.3	197.5	141.2	88.0	43.6	13.0	0.0
-37.5°	240.9	188.8	134.0	83.1	41.3	12.6	0.0
-40°	230.0	179.2	126.4	77.9	39.0	12.2	0.0
-42.5°	218.4	169.2	118.8	72.5	36.5	11.7	0.0
-45°	206.4	158.6	111.1	66.8	33.8	11.2	0.0
-47.5°	193.8	147.6	103.1	60.8	31.1	10.7	0.0
-50°	180.1	136.2	94.9	56.1	28.3	10.2	0.0
-52.5°	165.9	124.4	86.3	51.6	25.3	9.7	0.0
-55°	151.2	113.1	77.4	47.0	22.2	9.1	0.0
-57.5°	136.1	101.7	68.2	42.3	19.1	8.5	0.0
-60°	120.8	89.9	59.0	37.5	15.9	7.9	0.0
-62.5°	106.3	77.9	52.3	32.5	14.7	7.3	0.0
-65°	91.6	65.6	45.6	27.4	13.4	6.7	0.0
-67.5°	76.6	55.0	38.6	22.2	12.2	6.1	0.0
-70°	61.3	46.2	31.6	16.9	10.9	5.4	0.0
-72.5°	50.0	37.3	24.5	14.3	9.6	4.8	0.0
-75°	39.2	28.2	17.2	12.3	8.2	4.1	0.0
-77.5°	28.2	19.1	13.7	10.3	6.9	3.4	0.0
-80°	17.2	13.7	11.0	8.3	5.5	2.8	0.0
-82.5°	12.3	10.3	8.3	6.2	4.1	2.1	0.0
-85°	8.2	6.9	5.5	4.1	2.8	1.4	0.0
-87.5°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)