

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: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-740-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-740-U-VWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

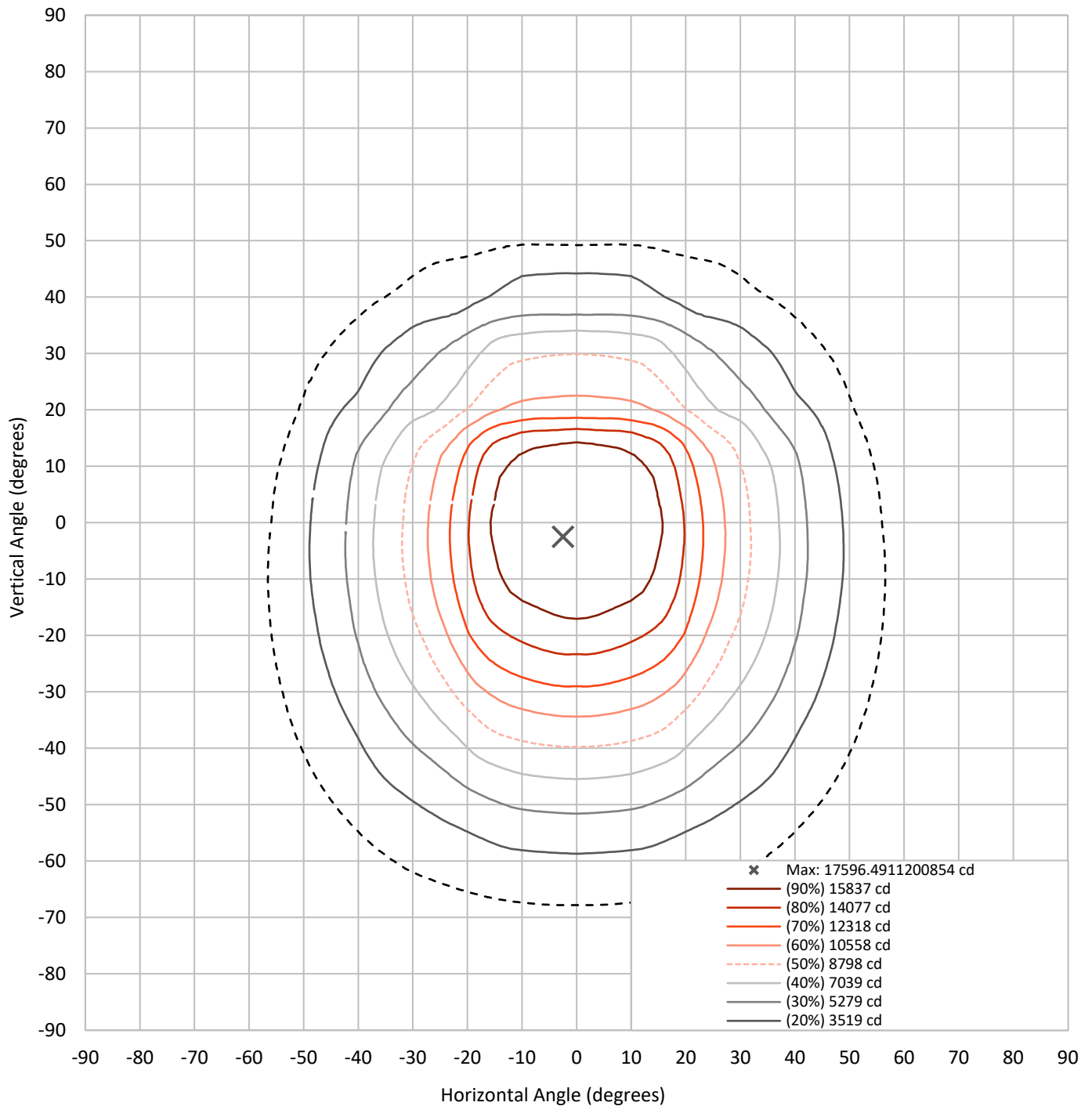
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	23483.1 lumens	Max Intensity:	17596.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	106.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	13586.5 lumens	Field Lumens:	22284 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	221.4		
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

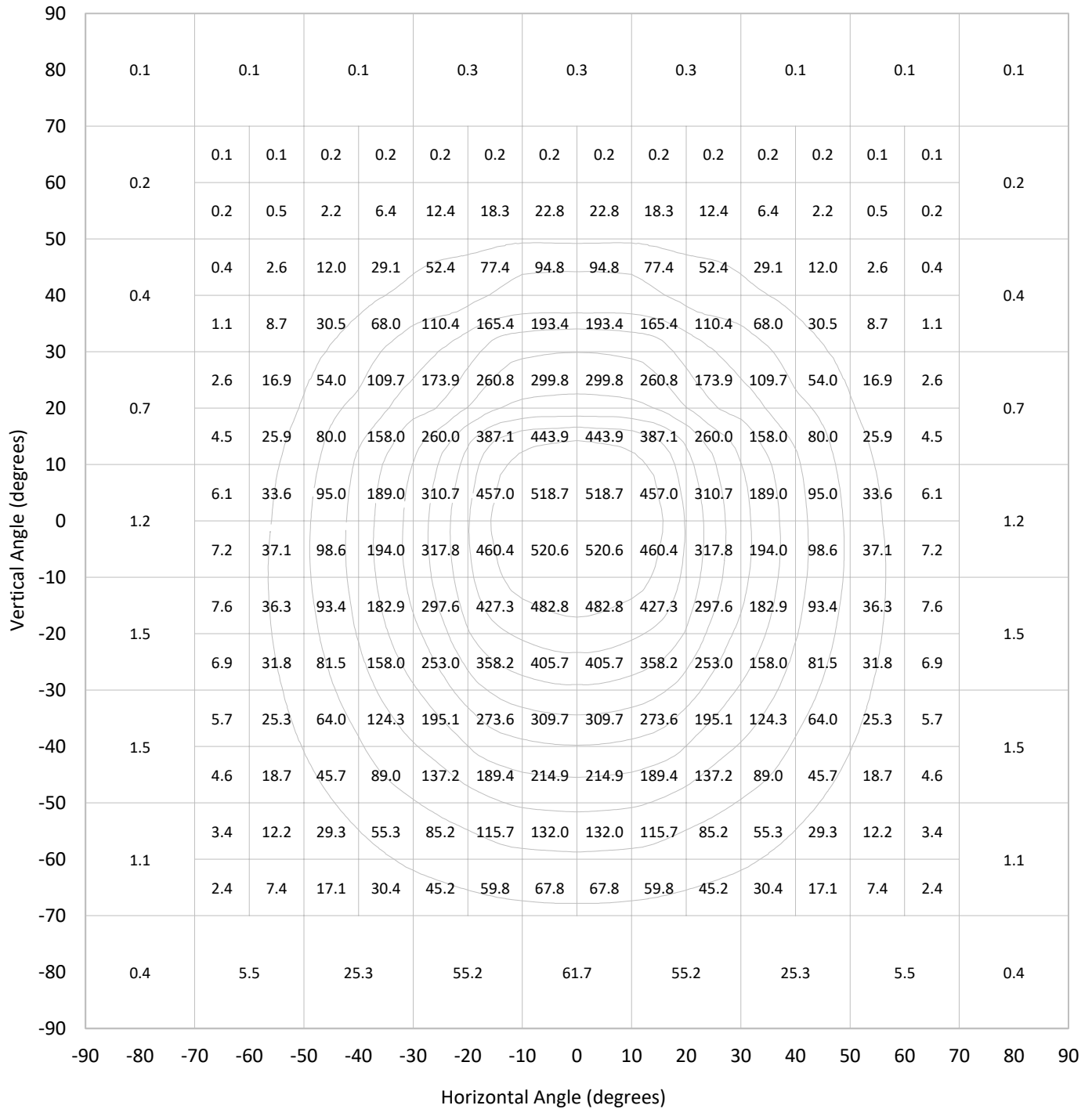




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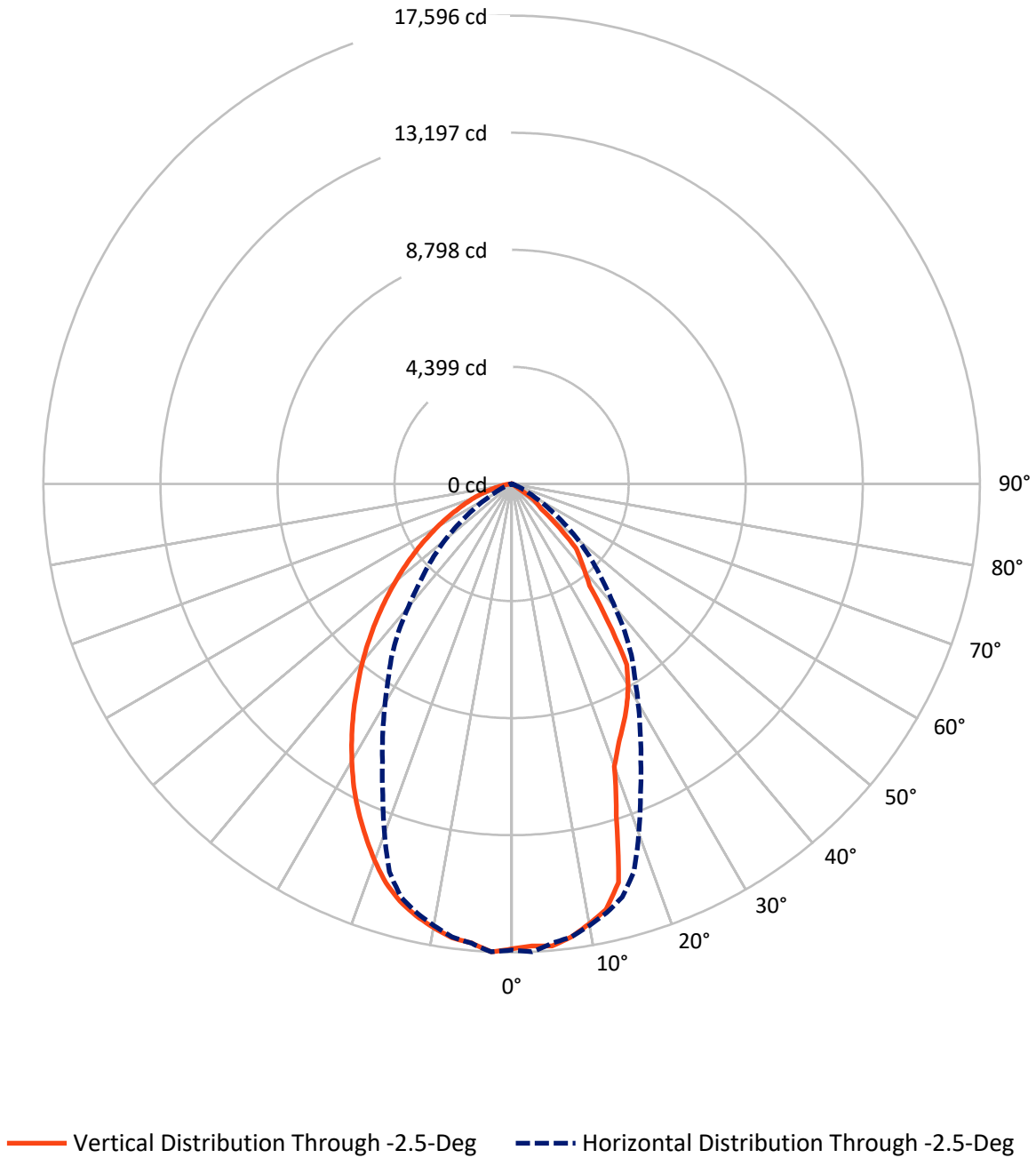
CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

Lumen Table



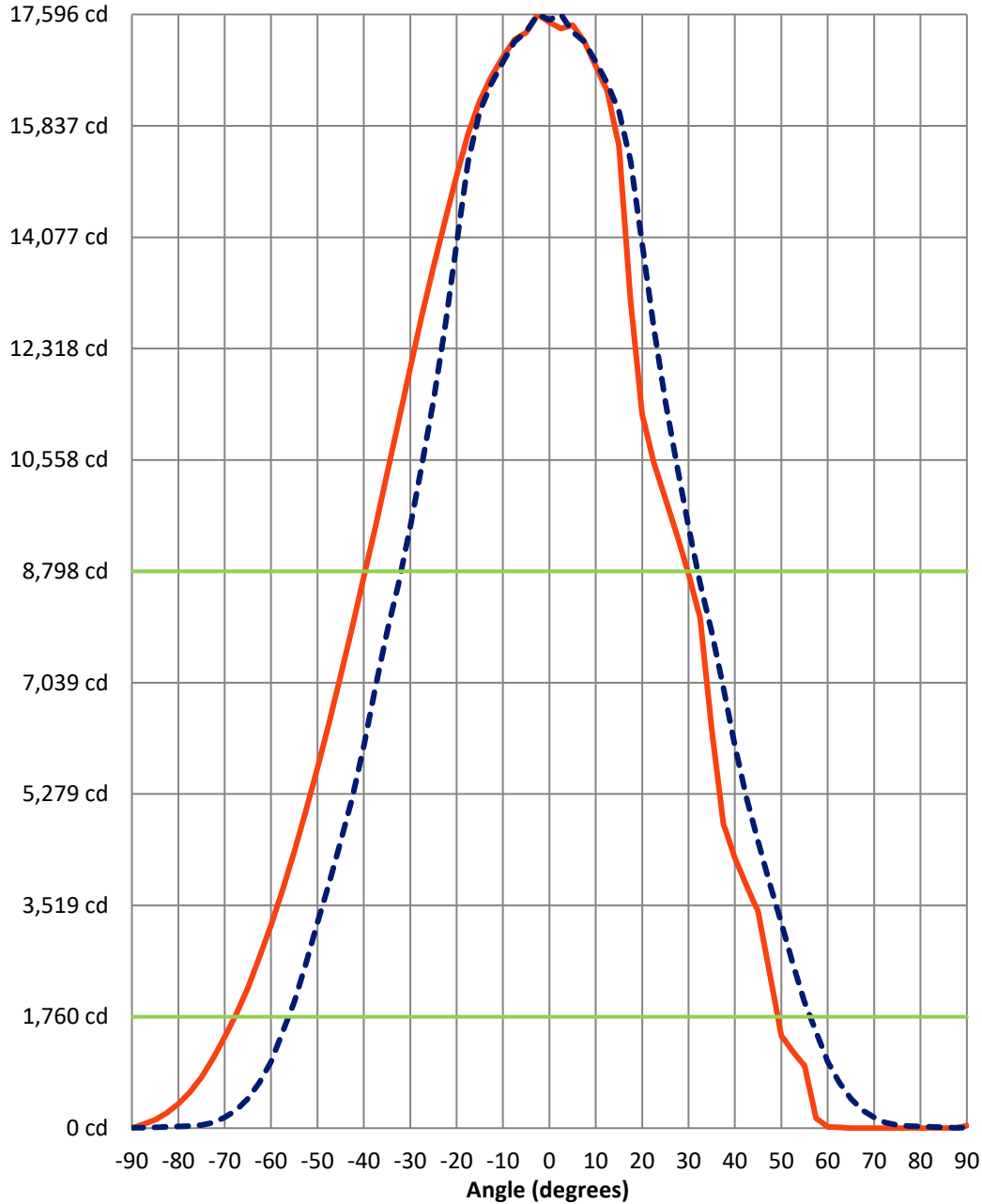
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 13586.5
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 22284
 Efficiency: 94.9%

Spill:
 Lumens: 1199.1
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-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°	6.6	6.6	6.6	8.2	9.9	11.5	13.1	14.8	16.4	18.1	19.7
87.5°	6.6	6.6	6.6	6.4	6.0	5.5	4.9	3.5	2.2	1.0	0.0
85°	6.6	6.6	6.6	6.2	5.5	4.5	3.2	2.0	1.1	0.4	0.0
82.5°	6.6	6.6	6.6	6.0	4.9	3.4	1.6	0.5	0.2	1.0	1.7
80°	6.6	6.6	6.6	5.8	4.4	2.4	0.3	1.3	2.4	3.5	4.5
77.5°	6.6	6.6	6.6	5.6	3.9	2.2	2.0	3.3	4.6	5.9	6.0
75°	6.6	6.6	6.6	5.5	3.6	3.3	3.7	5.2	6.5	5.4	3.5
72.5°	6.6	6.6	6.6	5.3	4.2	4.3	5.3	6.5	5.6	3.8	1.1
70°	6.6	6.6	6.6	5.3	4.7	5.3	6.6	6.2	4.8	2.5	3.0
67.5°	6.6	6.6	6.6	5.5	5.3	6.2	6.8	6.1	4.3	5.1	5.9
65°	6.6	6.6	6.6	5.7	5.7	6.8	7.0	6.0	6.6	7.7	8.1
62.5°	6.6	6.6	6.6	5.9	6.2	7.3	7.4	7.4	8.8	10.0	9.1
60°	6.6	6.6	6.6	6.1	6.6	7.9	7.8	9.4	11.1	11.5	10.3
57.5°	6.6	6.6	6.7	6.3	7.2	8.5	9.4	11.3	13.0	13.2	12.9
55°	6.6	6.6	6.8	6.4	7.9	9.2	11.0	13.3	15.0	15.3	16.0
52.5°	6.6	6.6	6.9	6.5	8.6	10.1	12.6	15.2	17.1	18.1	19.1
50°	6.6	6.6	7.0	6.6	9.3	11.4	14.2	17.1	19.5	20.9	22.1
47.5°	6.6	6.6	7.2	6.7	10.0	12.7	15.8	18.9	21.9	23.6	25.2
45°	6.6	6.6	7.4	7.3	10.8	14.0	17.4	20.7	24.2	26.4	28.3
42.5°	6.6	6.6	7.6	7.9	11.6	15.2	18.9	22.7	26.7	29.1	34.3
40°	6.6	6.6	7.8	8.7	12.5	16.4	20.3	25.0	29.3	31.8	40.9
37.5°	6.6	6.6	8.1	9.6	13.5	17.6	21.8	27.3	32.0	36.1	47.7
35°	6.6	6.6	8.4	10.5	14.4	18.8	23.1	29.7	34.9	44.4	60.7
32.5°	6.6	6.6	8.7	11.3	15.3	19.9	24.7	32.1	37.9	54.1	86.7
30°	6.6	6.6	9.0	12.1	16.1	20.9	26.6	34.6	41.0	65.2	111.9
27.5°	6.6	6.6	9.3	12.9	17.1	22.0	28.6	37.2	46.4	77.5	136.3
25°	6.6	6.6	9.6	13.7	18.2	22.9	30.5	39.7	55.9	95.5	160.3
22.5°	6.6	6.6	10.0	14.4	19.2	23.9	32.4	42.3	66.0	115.2	191.9
20°	6.6	6.6	10.4	15.1	20.1	25.1	34.3	44.9	76.3	134.0	223.3
17.5°	6.6	6.6	10.7	15.8	21.1	26.3	36.2	47.4	86.9	151.7	254.2
15°	6.6	6.6	11.1	16.4	21.9	27.4	38.0	50.7	97.6	168.2	284.2
12.5°	6.6	6.6	11.4	17.1	22.8	28.4	39.7	55.3	109.4	183.6	312.9
10°	6.6	6.6	11.8	17.7	23.6	29.4	41.3	60.1	121.9	201.4	341.8
7.5°	6.6	6.6	12.2	18.2	24.3	30.4	42.7	65.0	133.8	218.8	372.1
5°	6.6	6.6	12.5	18.8	25.0	31.2	43.9	69.8	145.0	234.9	400.0
2.5°	6.6	6.6	12.8	19.2	25.7	32.0	45.0	74.5	155.2	249.6	425.0
0°	6.6	6.6	13.1	19.7	26.3	32.8	46.0	78.8	164.2	262.7	446.7
-2.5°	6.6	6.6	13.1	19.6	27.3	34.1	50.9	94.2	176.0	301.6	482.2
-5°	6.6	6.6	13.0	19.5	27.7	34.7	52.9	100.6	180.1	316.5	494.8
-7.5°	6.6	6.6	12.9	19.4	28.0	35.2	54.6	105.9	183.1	327.2	503.9
-10°	6.6	6.6	12.8	19.2	28.2	35.6	55.9	109.9	185.2	332.8	511.1
-12.5°	6.6	6.6	12.7	19.0	28.3	36.0	56.7	112.3	189.0	332.2	513.7
-15°	6.6	6.6	12.5	18.8	28.3	36.3	57.0	114.7	194.7	328.9	510.5
-17.5°	6.6	6.6	12.3	18.5	28.1	36.5	58.4	117.0	198.4	322.8	501.1
-20°	6.6	6.6	12.3	18.5	28.1	36.5	58.4	117.0	198.4	322.8	501.1

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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°	6.6	6.6	12.1	18.2	27.7	36.7	62.2	118.1	200.0	314.2	485.2
-25°	6.6	6.6	11.9	17.8	27.3	39.1	65.3	117.7	199.4	303.1	462.5
-27.5°	6.6	6.6	11.6	17.5	26.6	42.1	67.7	115.9	196.6	293.6	445.9
-30°	6.6	6.6	11.4	17.0	25.9	44.7	69.3	112.7	192.9	289.3	427.2
-32.5°	6.6	6.6	11.1	16.6	26.9	46.9	70.2	112.9	188.2	282.1	406.2
-35°	6.6	6.6	10.7	16.1	27.6	48.6	72.1	113.5	181.7	271.9	382.8
-37.5°	6.6	6.6	10.4	15.6	28.1	49.7	74.0	113.1	173.3	258.7	372.3
-40°	6.6	6.6	10.1	15.0	28.3	50.1	75.2	111.6	163.1	246.1	360.6
-42.5°	6.6	6.6	9.7	14.7	28.5	50.1	75.5	109.0	157.3	235.9	342.7
-45°	6.6	6.6	9.3	14.8	28.6	49.8	75.2	106.7	153.0	223.4	320.3
-47.5°	6.6	6.6	8.9	14.7	28.4	49.0	74.0	105.1	147.5	208.3	302.6
-50°	6.6	6.6	8.5	14.5	27.9	47.9	72.5	102.5	143.2	202.9	281.5
-52.5°	6.6	6.6	8.0	14.3	27.0	46.4	70.5	98.9	139.5	195.7	258.9
-55°	6.6	6.6	7.6	13.9	25.9	44.5	68.0	94.4	134.9	186.8	248.1
-57.5°	6.6	6.6	7.1	13.4	24.4	42.1	65.0	90.5	128.5	177.5	235.3
-60°	6.6	6.6	6.6	12.8	22.7	39.2	61.4	86.0	120.5	166.4	220.5
-62.5°	6.6	6.6	6.6	12.1	21.5	35.9	56.4	80.2	110.5	153.3	203.4
-65°	6.6	6.6	6.6	11.3	20.1	32.1	50.9	72.6	98.4	136.1	183.9
-67.5°	6.6	6.6	6.6	10.4	18.5	28.9	44.7	63.8	84.5	115.8	158.0
-70°	6.6	6.6	6.6	9.5	16.8	26.2	38.1	54.3	72.3	93.4	127.7
-72.5°	6.6	6.6	6.6	9.3	15.0	23.4	33.6	44.4	59.7	77.5	97.7
-75°	6.6	6.6	6.6	9.2	13.1	20.4	29.3	37.4	46.4	61.0	77.7
-77.5°	6.6	6.6	6.6	9.1	12.4	17.2	24.7	31.5	38.5	46.2	56.9
-80°	6.6	6.6	6.6	9.0	12.0	15.5	20.0	25.4	31.1	37.2	43.8
-82.5°	6.6	6.6	6.6	8.8	11.5	14.6	18.1	20.6	23.4	28.1	33.1
-85°	6.6	6.6	6.6	8.6	11.0	13.6	16.5	18.7	20.9	23.0	25.2
-87.5°	6.6	6.6	6.6	8.4	10.4	12.5	14.8	16.7	18.6	20.6	22.5
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	4.9	3.3	1.6	0.0



REPORT NUMBER: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	21.4	23.0	24.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	1.7	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.4	3.5	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.8	1.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.4	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.1	1.9	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.7	4.0	2.7	1.1	0.0	0.4	1.0	0.7	0.0	0.3	0.8
67.5°	6.1	4.6	3.0	1.9	2.5	3.3	3.1	3.3	3.6	3.9	3.4
65°	6.4	4.9	4.9	5.7	6.5	7.1	7.7	8.1	6.9	6.0	6.1
62.5°	6.9	7.4	8.5	9.6	10.5	11.4	11.5	10.2	7.8	9.8	11.2
60°	9.8	10.7	12.1	13.4	14.7	15.4	14.8	14.9	16.6	19.2	36.9
57.5°	13.2	14.0	15.7	17.7	19.5	19.9	20.5	22.2	52.1	85.0	93.9
55°	16.6	17.3	20.1	23.3	25.2	25.1	36.1	75.9	114.6	158.8	175.1
52.5°	20.0	21.4	26.1	30.0	32.5	50.7	91.2	145.4	202.6	253.3	318.8
50°	23.4	28.1	33.0	38.7	61.8	109.1	168.5	242.5	328.5	409.6	492.6
47.5°	29.2	35.1	42.6	61.1	121.8	187.5	269.6	388.7	494.8	592.9	706.7
45°	36.1	48.5	56.8	121.0	191.5	276.3	415.4	560.9	657.2	788.5	989.9
42.5°	43.2	67.2	108.5	182.8	268.8	405.4	577.9	701.9	830.1	1042.8	1254.6
40°	62.2	90.1	163.7	252.1	361.0	560.3	737.3	877.7	1052.7	1288.6	1509.7
37.5°	85.3	137.6	220.0	326.0	505.7	724.2	913.8	1114.3	1315.4	1537.9	1947.9
35°	111.0	181.6	291.4	434.3	650.6	905.9	1131.9	1355.9	1587.8	2025.7	2432.6
32.5°	144.4	222.2	365.9	560.3	807.1	1087.4	1349.8	1608.7	1980.6	2476.1	2884.4
30°	180.3	287.3	451.8	676.9	954.5	1253.5	1569.0	1882.6	2374.7	2784.8	3228.1
27.5°	217.9	356.1	552.4	798.7	1092.5	1410.4	1766.4	2213.7	2652.7	3057.9	3545.1
25°	256.5	427.7	644.5	915.2	1228.2	1579.9	1989.4	2534.3	2877.6	3325.4	3833.6
22.5°	306.1	496.3	735.6	1020.7	1354.0	1754.0	2276.3	2823.5	3227.5	3604.2	4100.7
20°	363.5	573.4	834.8	1153.0	1477.3	1924.2	2561.6	3137.1	3612.4	4043.7	4499.7
17.5°	417.0	645.6	940.8	1288.1	1656.6	2142.2	2841.6	3478.5	4001.5	4482.1	5051.4
15°	466.6	712.4	1044.7	1415.9	1833.0	2392.0	3092.6	3792.1	4389.3	4930.1	5576.9
12.5°	511.9	773.3	1144.7	1535.5	1999.0	2607.4	3303.4	3986.1	4642.6	5347.2	6081.3
10°	552.7	828.2	1239.2	1646.0	2152.9	2789.5	3477.6	4147.9	4810.3	5555.9	6371.6
7.5°	596.5	879.4	1325.0	1746.3	2292.9	2939.9	3616.7	4277.8	4945.7	5722.9	6560.3
5°	637.0	926.6	1393.2	1818.3	2401.2	3057.3	3721.4	4376.3	5048.6	5847.3	6703.1
2.5°	672.6	966.2	1448.8	1874.7	2481.4	3143.7	3789.4	4458.6	5124.9	5948.4	6812.2
0°	702.8	998.4	1491.1	1918.0	2542.1	3205.5	3829.5	4512.7	5169.5	6016.9	6883.9
-2.5°	722.1	1051.1	1520.2	1993.6	2595.1	3246.0	3865.3	4527.8	5217.6	6038.6	6964.5
-5°	735.7	1093.8	1537.7	2051.8	2629.7	3263.8	3877.1	4516.1	5230.4	6033.1	6976.4
-7.5°	743.6	1124.0	1545.9	2084.9	2641.9	3253.1	3857.2	4493.8	5209.4	6012.4	6924.2
-10°	748.2	1133.5	1557.0	2074.9	2625.9	3217.9	3812.7	4441.7	5149.8	5945.3	6825.1
-12.5°	760.5	1127.4	1555.1	2052.9	2591.3	3164.7	3746.9	4359.0	5050.5	5830.7	6688.1
-15°	763.6	1113.9	1536.5	2020.3	2538.5	3095.2	3660.6	4245.7	4928.1	5719.1	6536.5
-17.5°	756.7	1093.5	1500.1	1978.9	2467.8	3010.8	3559.0	4143.7	4813.3	5590.3	6377.4
-20°	739.2	1067.0	1445.1	1929.9	2383.9	2917.1	3457.3	4036.7	4681.2	5411.6	6199.4

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	710.4	1035.0	1385.7	1861.5	2311.5	2809.4	3338.0	3890.8	4515.8	5179.9	5960.0
-25°	680.7	998.8	1338.8	1767.6	2224.2	2683.7	3201.0	3712.5	4321.4	4973.7	5665.9
-27.5°	652.5	948.4	1290.1	1664.6	2121.6	2549.5	3046.1	3545.0	4102.8	4742.1	5379.5
-30°	615.6	893.8	1230.6	1565.7	1998.9	2423.1	2873.4	3364.4	3865.9	4472.6	5099.8
-32.5°	583.0	837.1	1162.9	1490.3	1867.0	2280.7	2687.1	3155.1	3644.6	4161.8	4781.5
-35°	561.2	803.5	1091.2	1403.2	1732.4	2125.9	2512.4	2919.0	3393.1	3878.5	4422.6
-37.5°	543.6	765.0	1015.6	1312.4	1625.8	1963.5	2325.3	2699.4	3113.1	3602.5	4114.1
-40°	515.8	721.6	959.7	1225.9	1502.4	1809.5	2145.3	2484.0	2842.6	3320.6	3825.4
-42.5°	480.3	679.6	906.9	1131.7	1384.3	1664.7	1963.2	2282.1	2626.7	3042.0	3506.0
-45°	453.0	625.9	848.3	1049.6	1258.7	1515.1	1795.5	2084.4	2409.4	2765.9	3182.6
-47.5°	418.2	567.5	771.6	959.8	1144.0	1362.9	1619.2	1892.7	2180.6	2501.8	2843.3
-50°	381.1	518.8	677.8	861.0	1036.7	1218.7	1437.4	1690.2	1951.4	2231.4	2536.1
-52.5°	352.9	461.8	607.0	759.5	926.9	1092.0	1278.2	1495.0	1728.3	1962.2	2230.3
-55°	321.0	419.8	539.5	676.2	818.7	971.5	1141.1	1331.0	1521.2	1736.1	1950.0
-57.5°	298.5	379.5	483.1	601.9	730.0	859.8	1019.9	1180.4	1356.5	1534.3	1711.8
-60°	281.0	344.6	430.6	535.2	649.3	770.7	902.0	1050.3	1202.0	1347.1	1500.5
-62.5°	260.9	316.3	383.5	468.8	571.9	677.5	793.2	920.3	1057.4	1179.7	1298.6
-65°	235.0	283.1	340.8	410.2	491.2	580.5	679.0	786.1	904.7	1003.9	1101.0
-67.5°	205.2	245.7	294.1	350.8	418.3	488.0	560.3	650.9	747.1	828.1	907.2
-70°	167.7	205.2	244.7	291.0	343.9	402.9	466.6	532.3	598.2	664.3	736.7
-72.5°	128.3	162.4	196.0	229.0	271.2	319.5	371.4	426.5	484.1	540.6	595.6
-75°	97.8	119.9	149.3	179.0	208.3	239.8	274.9	318.7	372.2	427.0	477.3
-77.5°	73.8	92.4	112.0	132.4	150.9	174.1	199.5	226.7	270.9	321.5	372.6
-80°	53.3	64.4	79.9	96.4	109.4	122.2	135.5	149.4	182.1	222.9	266.5
-82.5°	39.5	47.1	55.7	65.3	71.9	78.3	85.4	94.5	118.8	146.4	175.5
-85°	27.2	29.5	34.1	39.4	43.1	46.8	50.6	54.5	67.6	82.3	98.1
-87.5°	23.5	24.6	25.9	27.2	27.7	28.1	28.5	29.0	33.4	38.0	42.8
-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: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	26.3	27.9	29.6	31.2	32.8	34.5	36.1	37.8	39.4	39.4	39.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.0	3.4	3.4	2.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	7.0	6.6	4.9	3.2	1.6	2.5	4.0	4.7	4.8	4.3	3.3
62.5°	10.4	9.6	8.7	10.0	11.9	13.8	13.2	12.5	11.7	11.1	11.5
60°	38.9	25.9	29.9	37.6	35.1	24.1	39.6	44.8	38.1	26.1	25.2
57.5°	98.5	95.0	108.9	159.0	175.0	159.5	190.5	231.4	230.1	198.2	197.1
55°	209.8	281.4	367.9	382.0	442.2	562.9	656.8	615.7	615.4	646.3	746.2
52.5°	398.4	466.1	491.3	558.5	684.4	775.7	834.4	895.2	961.7	1029.7	1098.5
50°	584.7	650.4	725.0	793.8	968.1	1061.8	1046.2	1172.0	1333.1	1433.6	1485.3
47.5°	857.7	961.2	1118.8	1365.7	1495.8	1589.8	1706.7	1849.2	2033.7	2283.9	2476.7
45°	1179.1	1341.9	1585.7	1848.0	2049.8	2141.7	2275.5	2496.2	2790.4	3076.9	3286.1
42.5°	1441.8	1665.1	1940.1	2190.8	2355.3	2506.3	2679.5	2865.7	3202.6	3508.6	3750.4
40°	1784.6	1958.5	2267.1	2503.4	2650.7	2800.4	3074.9	3353.5	3670.4	3955.4	4153.6
37.5°	2219.1	2414.9	2735.9	3003.0	3144.9	3197.8	3664.5	4052.4	4310.0	4673.9	4792.9
35°	2685.9	3008.1	3417.1	3763.6	3902.7	4180.3	4661.1	5202.2	5788.6	6004.3	6188.2
32.5°	3206.7	3604.2	4159.1	4531.0	4729.5	5150.7	5759.2	6336.9	7103.6	7519.8	7644.2
30°	3683.1	4139.2	4616.3	4977.7	5316.9	5824.3	6379.3	7091.5	7800.5	8332.6	8497.8
27.5°	4032.7	4537.4	4996.0	5334.4	5717.3	6264.4	6956.3	7677.6	8373.5	8916.4	9109.3
25°	4366.4	4937.0	5300.1	5693.5	6143.1	6739.3	7506.1	8307.5	8993.0	9451.8	9688.3
22.5°	4746.1	5308.6	5698.4	6031.6	6619.5	7306.4	8018.2	8923.8	9650.1	10016.2	10272.6
20°	5137.8	5774.3	6376.4	6686.4	7195.0	8064.8	8861.6	9716.6	10417.9	10799.4	11069.5
17.5°	5684.5	6495.6	7234.0	7673.0	8217.7	9257.8	10251.9	11116.8	12092.4	12437.0	12767.1
15°	6260.9	7199.7	8064.7	8760.2	9463.8	10494.3	11774.1	12817.8	13930.9	14428.1	14990.1
12.5°	6835.6	7723.9	8507.6	9404.8	10396.4	11307.9	12526.4	13826.1	14836.2	15470.2	15848.6
10°	7265.1	8090.1	8844.2	9743.6	10733.4	11764.5	12975.3	14307.5	15364.9	15906.0	16214.7
7.5°	7496.9	8286.6	9082.1	9993.4	10978.7	12076.9	13324.4	14646.2	15727.4	16251.6	16556.5
5°	7669.1	8427.5	9251.2	10210.6	11206.8	12320.3	13566.1	14872.1	15858.0	16415.1	16800.7
2.5°	7773.3	8516.8	9359.0	10350.9	11349.6	12509.4	13815.3	15169.1	16031.7	16479.9	16834.5
0°	7803.5	8552.4	9419.4	10424.4	11449.1	12618.4	13912.4	15252.4	16126.0	16559.5	16920.8
-2.5°	7837.5	8608.6	9499.4	10472.1	11488.1	12654.0	13974.9	15280.6	16066.5	16503.9	16847.7
-5°	7813.8	8612.9	9501.0	10432.7	11455.4	12612.0	13880.0	15100.9	15923.0	16395.9	16737.7
-7.5°	7743.1	8553.6	9432.5	10327.9	11331.1	12500.9	13763.6	14939.2	15772.0	16270.7	16644.7
-10°	7640.2	8427.0	9312.1	10218.8	11210.0	12323.5	13566.8	14735.4	15532.5	16062.0	16497.8
-12.5°	7526.2	8296.7	9149.8	10019.6	10999.8	12099.5	13304.1	14410.4	15202.7	15780.4	16091.8
-15°	7357.2	8127.2	8942.8	9784.1	10739.6	11806.5	12957.2	14018.5	14796.6	15266.6	15610.8
-17.5°	7142.3	7897.9	8671.0	9469.0	10369.2	11419.8	12577.5	13624.2	14258.5	14678.3	15016.5
-20°	6912.1	7610.8	8343.3	9096.3	9968.8	11009.6	12146.5	13059.5	13657.4	14060.7	14380.1



REPORT NUMBER: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6649.1	7322.0	7992.5	8712.3	9567.9	10522.1	11526.4	12408.6	13051.4	13418.7	13713.9
-25°	6349.0	7003.5	7640.2	8335.5	9121.7	9979.5	10913.3	11780.3	12355.9	12746.1	13038.8
-27.5°	6025.8	6640.7	7262.6	7887.0	8593.9	9448.4	10313.2	11118.7	11610.1	12003.4	12297.8
-30°	5703.1	6256.2	6831.7	7422.7	8086.1	8856.7	9665.6	10342.9	10861.1	11243.2	11516.6
-32.5°	5353.5	5878.3	6388.1	6940.5	7565.2	8244.3	8954.2	9598.4	10152.2	10502.2	10732.6
-35°	4995.4	5503.4	5970.0	6471.4	7022.4	7608.4	8263.7	8899.1	9445.9	9722.9	9947.4
-37.5°	4622.3	5128.9	5571.3	5990.2	6464.8	7007.6	7645.8	8252.0	8724.4	8962.5	9164.9
-40°	4297.9	4743.9	5142.1	5543.0	5928.8	6410.8	7006.4	7593.4	7972.4	8204.4	8392.4
-42.5°	3983.0	4359.2	4685.4	5044.6	5430.8	5906.0	6386.6	6878.7	7183.4	7440.9	7638.9
-45°	3616.2	3952.6	4258.3	4557.2	4909.4	5343.2	5779.8	6174.0	6459.3	6708.2	6901.0
-47.5°	3210.7	3535.3	3832.3	4099.4	4426.8	4788.6	5156.2	5484.3	5766.0	6011.9	6184.0
-50°	2832.6	3122.7	3412.6	3683.0	3966.7	4259.4	4557.5	4845.5	5112.9	5351.9	5498.4
-52.5°	2494.0	2761.6	3015.0	3251.5	3499.7	3747.0	3993.9	4257.6	4503.7	4729.8	4846.7
-55°	2187.6	2428.9	2657.6	2856.7	3055.9	3252.0	3463.7	3707.2	3933.8	4143.3	4227.2
-57.5°	1912.5	2119.1	2321.4	2489.8	2652.4	2808.5	2994.3	3199.8	3398.1	3577.7	3646.3
-60°	1659.5	1823.4	1992.6	2142.1	2283.8	2417.5	2579.6	2745.1	2905.9	3041.3	3099.8
-62.5°	1426.8	1567.0	1695.2	1816.7	1936.7	2057.2	2187.9	2319.2	2449.1	2553.4	2606.2
-65°	1202.5	1314.1	1417.1	1516.9	1613.9	1715.0	1817.4	1917.2	2013.3	2087.9	2133.6
-67.5°	991.9	1076.7	1158.4	1236.2	1317.3	1399.3	1479.4	1555.9	1628.1	1685.7	1729.4
-70°	805.1	870.8	934.8	999.2	1066.9	1130.6	1190.9	1248.1	1301.9	1343.5	1377.1
-72.5°	649.0	702.2	757.5	815.5	870.2	917.9	961.2	1003.0	1043.0	1066.5	1084.0
-75°	523.2	568.1	616.1	663.1	708.8	745.0	776.8	807.6	837.3	838.9	832.9
-77.5°	422.7	462.8	500.0	536.8	573.3	595.6	615.1	635.2	655.5	643.8	625.2
-80°	310.2	343.6	375.2	406.9	438.7	451.9	461.1	469.1	475.8	460.5	441.5
-82.5°	205.9	226.9	247.5	268.4	289.5	298.0	304.3	309.5	313.6	299.8	283.8
-85°	114.9	125.0	134.9	145.0	155.0	160.9	166.3	171.3	175.8	167.5	158.2
-87.5°	47.7	50.0	52.3	54.5	56.6	58.7	60.8	62.8	64.8	65.1	65.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	37.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.0	0.3	0.0	0.0	0.0	0.3	2.0	3.3	4.3	4.8	4.7
62.5°	12.0	12.5	13.0	13.1	13.0	12.5	12.0	11.5	11.1	11.7	12.5
60°	23.2	20.3	19.6	19.7	19.6	20.3	23.2	25.2	26.1	38.1	44.8
57.5°	182.1	155.9	159.8	177.4	159.8	155.9	182.1	197.1	198.2	230.1	231.4
55°	850.9	949.9	984.9	965.6	984.9	949.9	850.9	746.2	646.3	615.4	615.7
52.5°	1152.9	1193.5	1209.2	1208.6	1209.2	1193.5	1152.9	1098.5	1029.7	961.7	895.2
50°	1500.9	1487.2	1466.1	1445.1	1466.1	1487.2	1500.9	1485.3	1433.6	1333.1	1172.0
47.5°	2505.0	2461.6	2443.2	2476.4	2443.2	2461.6	2505.0	2476.7	2283.9	2033.7	1849.2
45°	3328.7	3379.6	3417.6	3415.7	3417.6	3379.6	3328.7	3286.1	3076.9	2790.4	2496.2
42.5°	3797.8	3824.9	3832.8	3823.0	3832.8	3824.9	3797.8	3750.4	3508.6	3202.6	2865.7
40°	4215.9	4248.2	4266.4	4282.8	4266.4	4248.2	4215.9	4153.6	3955.4	3670.4	3353.5
37.5°	4832.2	4844.0	4818.2	4801.7	4818.2	4844.0	4832.2	4792.9	4673.9	4310.0	4052.4
35°	6343.2	6374.1	6302.5	6378.2	6302.5	6374.1	6343.2	6188.2	6004.3	5788.6	5202.2
32.5°	7792.3	7937.3	8054.6	8151.7	8054.6	7937.3	7792.3	7644.2	7519.8	7103.6	6336.9
30°	8613.2	8706.7	8757.0	8769.1	8757.0	8706.7	8613.2	8497.8	8332.6	7800.5	7091.5
27.5°	9215.9	9313.9	9375.0	9419.4	9375.0	9313.9	9215.9	9109.3	8916.4	8373.5	7677.6
25°	9796.7	9886.4	9947.4	9971.2	9947.4	9886.4	9796.7	9688.3	9451.8	8993.0	8307.5
22.5°	10399.5	10461.8	10520.5	10549.2	10520.5	10461.8	10399.5	10272.6	10016.2	9650.1	8923.8
20°	11263.6	11229.7	11283.2	11265.2	11283.2	11229.7	11263.6	11069.5	10799.4	10417.9	9716.6
17.5°	13024.5	13042.7	13078.5	13137.3	13078.5	13042.7	13024.5	12767.1	12437.0	12092.4	11116.8
15°	15239.1	15283.7	15510.2	15712.2	15510.2	15283.7	15239.1	14990.1	14428.1	13930.9	12817.8
12.5°	16199.7	16353.9	16377.8	16434.7	16377.8	16353.9	16199.7	15848.6	15470.2	14836.2	13826.1
10°	16520.2	16787.3	16781.6	16848.6	16781.6	16787.3	16520.2	16214.7	15906.0	15364.9	14307.5
7.5°	16763.4	17050.2	17171.5	17223.0	17171.5	17050.2	16763.4	16556.5	16251.6	15727.4	14646.2
5°	17060.4	17218.1	17427.3	17367.5	17427.3	17218.1	17060.4	16800.7	16415.1	15858.0	14872.1
2.5°	17184.9	17432.0	17374.9	17433.2	17374.9	17432.0	17184.9	16834.5	16479.9	16031.7	15169.1
0°	17269.0	17446.3	17472.6	17531.7	17472.6	17446.3	17269.0	16920.8	16559.5	16126.0	15252.4
-2.5°	17167.1	17323.2	17596.5	17512.0	17596.5	17323.2	17167.1	16847.7	16503.9	16066.5	15280.6
-5°	17077.8	17461.9	17312.7	17498.9	17312.7	17461.9	17077.8	16737.7	16395.9	15923.0	15100.9
-7.5°	17031.7	17100.4	17199.4	17341.2	17199.4	17100.4	17031.7	16644.7	16270.7	15772.0	14939.2
-10°	16675.1	16745.4	16927.3	17025.9	16927.3	16745.4	16675.1	16497.8	16062.0	15532.5	14735.4
-12.5°	16288.5	16424.5	16615.6	16677.8	16615.6	16424.5	16288.5	16091.8	15780.4	15202.7	14410.4
-15°	15843.1	16045.2	16231.4	16270.5	16231.4	16045.2	15843.1	15610.8	15266.6	14796.6	14018.5
-17.5°	15276.7	15519.0	15714.7	15758.2	15714.7	15519.0	15276.7	15016.5	14678.3	14258.5	13624.2
-20°	14652.6	14884.7	15051.2	15101.3	15051.2	14884.7	14652.6	14380.1	14060.7	13657.4	13059.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13984.4	14193.4	14334.2	14313.1	14334.2	14193.4	13984.4	13713.9	13418.7	13051.4	12408.6
-25°	13275.0	13469.0	13603.1	13584.0	13603.1	13469.0	13275.0	13038.8	12746.1	12355.9	11780.3
-27.5°	12525.1	12708.8	12837.6	12841.7	12837.6	12708.8	12525.1	12297.8	12003.4	11610.1	11118.7
-30°	11737.0	11903.8	12008.4	11968.1	12008.4	11903.8	11737.0	11516.6	11243.2	10861.1	10342.9
-32.5°	10924.2	11075.1	11171.0	11199.5	11171.0	11075.1	10924.2	10732.6	10502.2	10152.2	9598.4
-35°	10122.4	10255.5	10338.3	10358.7	10338.3	10255.5	10122.4	9947.4	9722.9	9445.9	8899.1
-37.5°	9325.9	9440.3	9498.2	9472.0	9498.2	9440.3	9325.9	9164.9	8962.5	8724.4	8252.0
-40°	8538.7	8647.7	8714.0	8729.7	8714.0	8647.7	8538.7	8392.4	8204.4	7972.4	7593.4
-42.5°	7764.8	7855.4	7913.6	7941.5	7913.6	7855.4	7764.8	7638.9	7440.9	7183.4	6878.7
-45°	7013.6	7094.6	7149.2	7179.5	7149.2	7094.6	7013.6	6901.0	6708.2	6459.3	6174.0
-47.5°	6282.8	6353.9	6401.0	6424.1	6401.0	6353.9	6282.8	6184.0	6011.9	5766.0	5484.3
-50°	5584.0	5645.6	5689.4	5714.7	5689.4	5645.6	5584.0	5498.4	5351.9	5112.9	4845.5
-52.5°	4921.2	4975.0	5012.4	5031.6	5012.4	4975.0	4921.2	4846.7	4729.8	4503.7	4257.6
-55°	4288.4	4332.0	4366.6	4387.9	4366.6	4332.0	4288.4	4227.2	4143.3	3933.8	3707.2
-57.5°	3698.3	3733.9	3766.7	3790.1	3766.7	3733.9	3698.3	3646.3	3577.7	3398.1	3199.8
-60°	3145.9	3179.5	3207.5	3225.2	3207.5	3179.5	3145.9	3099.8	3041.3	2905.9	2745.1
-62.5°	2647.4	2677.2	2702.7	2719.4	2702.7	2677.2	2647.4	2606.2	2553.4	2449.1	2319.2
-65°	2169.6	2196.2	2215.3	2226.8	2215.3	2196.2	2169.6	2133.6	2087.9	2013.3	1917.2
-67.5°	1766.7	1797.5	1803.6	1799.8	1803.6	1797.5	1766.7	1729.4	1685.7	1628.1	1555.9
-70°	1407.2	1433.2	1439.3	1438.5	1439.3	1433.2	1407.2	1377.1	1343.5	1301.9	1248.1
-72.5°	1100.3	1114.5	1102.4	1083.8	1102.4	1114.5	1100.3	1084.0	1066.5	1043.0	1003.0
-75°	825.7	816.6	803.8	788.2	803.8	816.6	825.7	832.9	838.9	837.3	807.6
-77.5°	604.7	582.3	567.7	551.8	567.7	582.3	604.7	625.2	643.8	655.5	635.2
-80°	421.1	399.1	383.9	367.8	383.9	399.1	421.1	441.5	460.5	475.8	469.1
-82.5°	266.7	248.7	239.5	229.9	239.5	248.7	266.7	283.8	299.8	313.6	309.5
-85°	148.1	137.4	131.2	124.8	131.2	137.4	148.1	158.2	167.5	175.8	171.3
-87.5°	65.5	65.6	62.4	59.1	62.4	65.6	65.5	65.3	65.1	64.8	62.8
-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: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	36.1	34.5	32.8	31.2	29.6	27.9	26.3	24.7	23.0	21.4	19.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.2	0.2	0.0	0.0	0.6	0.8	0.3	0.0	0.7
67.5°	0.0	0.0	1.2	2.7	3.4	3.4	3.0	3.4	3.9	3.6	3.3
65°	4.0	2.5	1.6	3.2	4.9	6.6	7.0	6.1	6.0	6.9	8.1
62.5°	13.2	13.8	11.9	10.0	8.7	9.6	10.4	11.2	9.8	7.8	10.2
60°	39.6	24.1	35.1	37.6	29.9	25.9	38.9	36.9	19.2	16.6	14.9
57.5°	190.5	159.5	175.0	159.0	108.9	95.0	98.5	93.9	85.0	52.1	22.2
55°	656.8	562.9	442.2	382.0	367.9	281.4	209.8	175.1	158.8	114.6	75.9
52.5°	834.4	775.7	684.4	558.5	491.3	466.1	398.4	318.8	253.3	202.6	145.4
50°	1046.2	1061.8	968.1	793.8	725.0	650.4	584.7	492.6	409.6	328.5	242.5
47.5°	1706.7	1589.8	1495.8	1365.7	1118.8	961.2	857.7	706.7	592.9	494.8	388.7
45°	2275.5	2141.7	2049.8	1848.0	1585.7	1341.9	1179.1	989.9	788.5	657.2	560.9
42.5°	2679.5	2506.3	2355.3	2190.8	1940.1	1665.1	1441.8	1254.6	1042.8	830.1	701.9
40°	3074.9	2800.4	2650.7	2503.4	2267.1	1958.5	1784.6	1509.7	1288.6	1052.7	877.7
37.5°	3664.5	3197.8	3144.9	3003.0	2735.9	2414.9	2219.1	1947.9	1537.9	1315.4	1114.3
35°	4661.1	4180.3	3902.7	3763.6	3417.1	3008.1	2685.9	2432.6	2025.7	1587.8	1355.9
32.5°	5759.2	5150.7	4729.5	4531.0	4159.1	3604.2	3206.7	2884.4	2476.1	1980.6	1608.7
30°	6379.3	5824.3	5316.9	4977.7	4616.3	4139.2	3683.1	3228.1	2784.8	2374.7	1882.6
27.5°	6956.3	6264.4	5717.3	5334.4	4996.0	4537.4	4032.7	3545.1	3057.9	2652.7	2213.7
25°	7506.1	6739.3	6143.1	5693.5	5300.1	4937.0	4366.4	3833.6	3325.4	2877.6	2534.3
22.5°	8018.2	7306.4	6619.5	6031.6	5698.4	5308.6	4746.1	4100.7	3604.2	3227.5	2823.5
20°	8861.6	8064.8	7195.0	6686.4	6376.4	5774.3	5137.8	4499.7	4043.7	3612.4	3137.1
17.5°	10251.9	9257.8	8217.7	7673.0	7234.0	6495.6	5684.5	5051.4	4482.1	4001.5	3478.5
15°	11774.1	10494.3	9463.8	8760.2	8064.7	7199.7	6260.9	5576.9	4930.1	4389.3	3792.1
12.5°	12526.4	11307.9	10396.4	9404.8	8507.6	7723.9	6835.6	6081.3	5347.2	4642.6	3986.1
10°	12975.3	11764.5	10733.4	9743.6	8844.2	8090.1	7265.1	6371.6	5555.9	4810.3	4147.9
7.5°	13324.4	12076.9	10978.7	9993.4	9082.1	8286.6	7496.9	6560.3	5722.9	4945.7	4277.8
5°	13566.1	12320.3	11206.8	10210.6	9251.2	8427.5	7669.1	6703.1	5847.3	5048.6	4376.3
2.5°	13815.3	12509.4	11349.6	10350.9	9359.0	8516.8	7773.3	6812.2	5948.4	5124.9	4458.6
0°	13912.4	12618.4	11449.1	10424.4	9419.4	8552.4	7803.5	6883.9	6016.9	5169.5	4512.7
-2.5°	13974.9	12654.0	11488.1	10472.1	9499.4	8608.6	7837.5	6964.5	6038.6	5217.6	4527.8
-5°	13880.0	12612.0	11455.4	10432.7	9501.0	8612.9	7813.8	6976.4	6033.1	5230.4	4516.1
-7.5°	13763.6	12500.9	11331.1	10327.9	9432.5	8553.6	7743.1	6924.2	6012.4	5209.4	4493.8
-10°	13566.8	12323.5	11210.0	10218.8	9312.1	8427.0	7640.2	6825.1	5945.3	5149.8	4441.7
-12.5°	13304.1	12099.5	10999.8	10019.6	9149.8	8296.7	7526.2	6688.1	5830.7	5050.5	4359.0
-15°	12957.2	11806.5	10739.6	9784.1	8942.8	8127.2	7357.2	6536.5	5719.1	4928.1	4245.7
-17.5°	12577.5	11419.8	10369.2	9469.0	8671.0	7897.9	7142.3	6377.4	5590.3	4813.3	4143.7
-20°	12146.5	11009.6	9968.8	9096.3	8343.3	7610.8	6912.1	6199.4	5411.6	4681.2	4036.7



REPORT NUMBER: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11526.4	10522.1	9567.9	8712.3	7992.5	7322.0	6649.1	5960.0	5179.9	4515.8	3890.8
-25°	10913.3	9979.5	9121.7	8335.5	7640.2	7003.5	6349.0	5665.9	4973.7	4321.4	3712.5
-27.5°	10313.2	9448.4	8593.9	7887.0	7262.6	6640.7	6025.8	5379.5	4742.1	4102.8	3545.0
-30°	9665.6	8856.7	8086.1	7422.7	6831.7	6256.2	5703.1	5099.8	4472.6	3865.9	3364.4
-32.5°	8954.2	8244.3	7565.2	6940.5	6388.1	5878.3	5353.5	4781.5	4161.8	3644.6	3155.1
-35°	8263.7	7608.4	7022.4	6471.4	5970.0	5503.4	4995.4	4422.6	3878.5	3393.1	2919.0
-37.5°	7645.8	7007.6	6464.8	5990.2	5571.3	5128.9	4622.3	4114.1	3602.5	3113.1	2699.4
-40°	7006.4	6410.8	5928.8	5543.0	5142.1	4743.9	4297.9	3825.4	3320.6	2842.6	2484.0
-42.5°	6386.6	5906.0	5430.8	5044.6	4685.4	4359.2	3983.0	3506.0	3042.0	2626.7	2282.1
-45°	5779.8	5343.2	4909.4	4557.2	4258.3	3952.6	3616.2	3182.6	2765.9	2409.4	2084.4
-47.5°	5156.2	4788.6	4426.8	4099.4	3832.3	3535.3	3210.7	2843.3	2501.8	2180.6	1892.7
-50°	4557.5	4259.4	3966.7	3683.0	3412.6	3122.7	2832.6	2536.1	2231.4	1951.4	1690.2
-52.5°	3993.9	3747.0	3499.7	3251.5	3015.0	2761.6	2494.0	2230.3	1962.2	1728.3	1495.0
-55°	3463.7	3252.0	3055.9	2856.7	2657.6	2428.9	2187.6	1950.0	1736.1	1521.2	1331.0
-57.5°	2994.3	2808.5	2652.4	2489.8	2321.4	2119.1	1912.5	1711.8	1534.3	1356.5	1180.4
-60°	2579.6	2417.5	2283.8	2142.1	1992.6	1823.4	1659.5	1500.5	1347.1	1202.0	1050.3
-62.5°	2187.9	2057.2	1936.7	1816.7	1695.2	1567.0	1426.8	1298.6	1179.7	1057.4	920.3
-65°	1817.4	1715.0	1613.9	1516.9	1417.1	1314.1	1202.5	1101.0	1003.9	904.7	786.1
-67.5°	1479.4	1399.3	1317.3	1236.2	1158.4	1076.7	991.9	907.2	828.1	747.1	650.9
-70°	1190.9	1130.6	1066.9	999.2	934.8	870.8	805.1	736.7	664.3	598.2	532.3
-72.5°	961.2	917.9	870.2	815.5	757.5	702.2	649.0	595.6	540.6	484.1	426.5
-75°	776.8	745.0	708.8	663.1	616.1	568.1	523.2	477.3	427.0	372.2	318.7
-77.5°	615.1	595.6	573.3	536.8	500.0	462.8	422.7	372.6	321.5	270.9	226.7
-80°	461.1	451.9	438.7	406.9	375.2	343.6	310.2	266.5	222.9	182.1	149.4
-82.5°	304.3	298.0	289.5	268.4	247.5	226.9	205.9	175.5	146.4	118.8	94.5
-85°	166.3	160.9	155.0	145.0	134.9	125.0	114.9	98.1	82.3	67.6	54.5
-87.5°	60.8	58.7	56.6	54.5	52.3	50.0	47.7	42.8	38.0	33.4	29.0
-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: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	18.1	16.4	14.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.2	3.5
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	1.1	2.0
82.5°	0.0	0.0	0.0	0.1	1.1	1.7	1.9	1.7	1.0	0.2	0.5
80°	0.0	0.0	0.0	0.2	1.6	3.5	4.4	4.5	3.5	2.4	1.3
77.5°	0.0	0.0	0.0	0.1	0.7	1.9	3.8	6.0	5.9	4.6	3.3
75°	0.0	0.0	0.0	0.3	0.4	0.1	1.4	3.5	5.4	6.5	5.2
72.5°	0.0	0.0	0.0	0.8	1.8	1.9	1.1	1.1	3.8	5.6	6.5
70°	1.0	0.4	0.0	1.1	2.7	4.0	3.7	3.0	2.5	4.8	6.2
67.5°	3.1	3.3	2.5	1.9	3.0	4.6	6.1	5.9	5.1	4.3	6.1
65°	7.7	7.1	6.5	5.7	4.9	4.9	6.4	8.1	7.7	6.6	6.0
62.5°	11.5	11.4	10.5	9.6	8.5	7.4	6.9	9.1	10.0	8.8	7.4
60°	14.8	15.4	14.7	13.4	12.1	10.7	9.8	10.3	11.5	11.1	9.4
57.5°	20.5	19.9	19.5	17.7	15.7	14.0	13.2	12.9	13.2	13.0	11.3
55°	36.1	25.1	25.2	23.3	20.1	17.3	16.6	16.0	15.3	15.0	13.3
52.5°	91.2	50.7	32.5	30.0	26.1	21.4	20.0	19.1	18.1	17.1	15.2
50°	168.5	109.1	61.8	38.7	33.0	28.1	23.4	22.1	20.9	19.5	17.1
47.5°	269.6	187.5	121.8	61.1	42.6	35.1	29.2	25.2	23.6	21.9	18.9
45°	415.4	276.3	191.5	121.0	56.8	48.5	36.1	28.3	26.4	24.2	20.7
42.5°	577.9	405.4	268.8	182.8	108.5	67.2	43.2	34.3	29.1	26.7	22.7
40°	737.3	560.3	361.0	252.1	163.7	90.1	62.2	40.9	31.8	29.3	25.0
37.5°	913.8	724.2	505.7	326.0	220.0	137.6	85.3	47.7	36.1	32.0	27.3
35°	1131.9	905.9	650.6	434.3	291.4	181.6	111.0	60.7	44.4	34.9	29.7
32.5°	1349.8	1087.4	807.1	560.3	365.9	222.2	144.4	86.7	54.1	37.9	32.1
30°	1569.0	1253.5	954.5	676.9	451.8	287.3	180.3	111.9	65.2	41.0	34.6
27.5°	1766.4	1410.4	1092.5	798.7	552.4	356.1	217.9	136.3	77.5	46.4	37.2
25°	1989.4	1579.9	1228.2	915.2	644.5	427.7	256.5	160.3	95.5	55.9	39.7
22.5°	2276.3	1754.0	1354.0	1020.7	735.6	496.3	306.1	191.9	115.2	66.0	42.3
20°	2561.6	1924.2	1477.3	1153.0	834.8	573.4	363.5	223.3	134.0	76.3	44.9
17.5°	2841.6	2142.2	1656.6	1288.1	940.8	645.6	417.0	254.2	151.7	86.9	47.4
15°	3092.6	2392.0	1833.0	1415.9	1044.7	712.4	466.6	284.2	168.2	97.6	50.7
12.5°	3303.4	2607.4	1999.0	1535.5	1144.7	773.3	511.9	312.9	183.6	109.4	55.3
10°	3477.6	2789.5	2152.9	1646.0	1239.2	828.2	552.7	341.8	201.4	121.9	60.1
7.5°	3616.7	2939.9	2292.9	1746.3	1325.0	879.4	596.5	372.1	218.8	133.8	65.0
5°	3721.4	3057.3	2401.2	1818.3	1393.2	926.6	637.0	400.0	234.9	145.0	69.8
2.5°	3789.4	3143.7	2481.4	1874.7	1448.8	966.2	672.6	425.0	249.6	155.2	74.5
0°	3829.5	3205.5	2542.1	1918.0	1491.1	998.4	702.8	446.7	262.7	164.2	78.8
-2.5°	3865.3	3246.0	2595.1	1993.6	1520.2	1051.1	722.1	466.3	283.4	170.7	86.8
-5°	3877.1	3263.8	2629.7	2051.8	1537.7	1093.8	735.7	482.2	301.6	176.0	94.2
-7.5°	3857.2	3253.1	2641.9	2084.9	1545.9	1124.0	743.6	494.8	316.5	180.1	100.6
-10°	3812.7	3217.9	2625.9	2074.9	1557.0	1133.5	748.2	503.9	327.2	183.1	105.9
-12.5°	3746.9	3164.7	2591.3	2052.9	1555.1	1127.4	760.5	511.1	332.8	185.2	109.9
-15°	3660.6	3095.2	2538.5	2020.3	1536.5	1113.9	763.6	513.7	332.2	189.0	112.3
-17.5°	3559.0	3010.8	2467.8	1978.9	1500.1	1093.5	756.7	510.5	328.9	194.7	114.7
-20°	3457.3	2917.1	2383.9	1929.9	1445.1	1067.0	739.2	501.1	322.8	198.4	117.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3338.0	2809.4	2311.5	1861.5	1385.7	1035.0	710.4	485.2	314.2	200.0	118.1
-25°	3201.0	2683.7	2224.2	1767.6	1338.8	998.8	680.7	462.5	303.1	199.4	117.7
-27.5°	3046.1	2549.5	2121.6	1664.6	1290.1	948.4	652.5	445.9	293.6	196.6	115.9
-30°	2873.4	2423.1	1998.9	1565.7	1230.6	893.8	615.6	427.2	289.3	192.9	112.7
-32.5°	2687.1	2280.7	1867.0	1490.3	1162.9	837.1	583.0	406.2	282.1	188.2	112.9
-35°	2512.4	2125.9	1732.4	1403.2	1091.2	803.5	561.2	382.8	271.9	181.7	113.5
-37.5°	2325.3	1963.5	1625.8	1312.4	1015.6	765.0	543.6	372.3	258.7	173.3	113.1
-40°	2145.3	1809.5	1502.4	1225.9	959.7	721.6	515.8	360.6	246.1	163.1	111.6
-42.5°	1963.2	1664.7	1384.3	1131.7	906.9	679.6	480.3	342.7	235.9	157.3	109.0
-45°	1795.5	1515.1	1258.7	1049.6	848.3	625.9	453.0	320.3	223.4	153.0	106.7
-47.5°	1619.2	1362.9	1144.0	959.8	771.6	567.5	418.2	302.6	208.3	147.5	105.1
-50°	1437.4	1218.7	1036.7	861.0	677.8	518.8	381.1	281.5	202.9	143.2	102.5
-52.5°	1278.2	1092.0	926.9	759.5	607.0	461.8	352.9	258.9	195.7	139.5	98.9
-55°	1141.1	971.5	818.7	676.2	539.5	419.8	321.0	248.1	186.8	134.9	94.4
-57.5°	1019.9	859.8	730.0	601.9	483.1	379.5	298.5	235.3	177.5	128.5	90.5
-60°	902.0	770.7	649.3	535.2	430.6	344.6	281.0	220.5	166.4	120.5	86.0
-62.5°	793.2	677.5	571.9	468.8	383.5	316.3	260.9	203.4	153.3	110.5	80.2
-65°	679.0	580.5	491.2	410.2	340.8	283.1	235.0	183.9	136.1	98.4	72.6
-67.5°	560.3	488.0	418.3	350.8	294.1	245.7	205.2	158.0	115.8	84.5	63.8
-70°	466.6	402.9	343.9	291.0	244.7	205.2	167.7	127.7	93.4	72.3	54.3
-72.5°	371.4	319.5	271.2	229.0	196.0	162.4	128.3	97.7	77.5	59.7	44.4
-75°	274.9	239.8	208.3	179.0	149.3	119.9	97.8	77.7	61.0	46.4	37.4
-77.5°	199.5	174.1	150.9	132.4	112.0	92.4	73.8	56.9	46.2	38.5	31.5
-80°	135.5	122.2	109.4	96.4	79.9	64.4	53.3	43.8	37.2	31.1	25.4
-82.5°	85.4	78.3	71.9	65.3	55.7	47.1	39.5	33.1	28.1	23.4	20.6
-85°	50.6	46.8	43.1	39.4	34.1	29.5	27.2	25.2	23.0	20.9	18.7
-87.5°	28.5	28.1	27.7	27.2	25.9	24.6	23.5	22.5	20.6	18.6	16.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9



REPORT NUMBER: P627470 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	13.1	11.5	9.9	8.2	6.6	6.6	6.6
87.5°	4.9	5.5	6.0	6.4	6.6	6.6	6.6
85°	3.2	4.5	5.5	6.2	6.6	6.6	6.6
82.5°	1.6	3.4	4.9	6.0	6.6	6.6	6.6
80°	0.3	2.4	4.4	5.8	6.6	6.6	6.6
77.5°	2.0	2.2	3.9	5.6	6.6	6.6	6.6
75°	3.7	3.3	3.6	5.5	6.6	6.6	6.6
72.5°	5.3	4.3	4.2	5.3	6.6	6.6	6.6
70°	6.6	5.3	4.7	5.3	6.6	6.6	6.6
67.5°	6.8	6.2	5.3	5.5	6.6	6.6	6.6
65°	7.0	6.8	5.7	5.7	6.6	6.6	6.6
62.5°	7.4	7.3	6.2	5.9	6.6	6.6	6.6
60°	7.8	7.9	6.6	6.1	6.6	6.6	6.6
57.5°	9.4	8.5	7.2	6.3	6.7	6.6	6.6
55°	11.0	9.2	7.9	6.4	6.8	6.6	6.6
52.5°	12.6	10.1	8.6	6.5	6.9	6.6	6.6
50°	14.2	11.4	9.3	6.6	7.0	6.6	6.6
47.5°	15.8	12.7	10.0	6.7	7.2	6.6	6.6
45°	17.4	14.0	10.8	7.3	7.4	6.6	6.6
42.5°	18.9	15.2	11.6	7.9	7.6	6.6	6.6
40°	20.3	16.4	12.5	8.7	7.8	6.6	6.6
37.5°	21.8	17.6	13.5	9.6	8.1	6.6	6.6
35°	23.1	18.8	14.4	10.5	8.4	6.6	6.6
32.5°	24.7	19.9	15.3	11.3	8.7	6.6	6.6
30°	26.6	20.9	16.1	12.1	9.0	6.6	6.6
27.5°	28.6	22.0	17.1	12.9	9.3	6.6	6.6
25°	30.5	22.9	18.2	13.7	9.6	6.6	6.6
22.5°	32.4	23.9	19.2	14.4	10.0	6.6	6.6
20°	34.3	25.1	20.1	15.1	10.4	6.6	6.6
17.5°	36.2	26.3	21.1	15.8	10.7	6.6	6.6
15°	38.0	27.4	21.9	16.4	11.1	6.6	6.6
12.5°	39.7	28.4	22.8	17.1	11.4	6.6	6.6
10°	41.3	29.4	23.6	17.7	11.8	6.6	6.6
7.5°	42.7	30.4	24.3	18.2	12.2	6.6	6.6
5°	43.9	31.2	25.0	18.8	12.5	6.6	6.6
2.5°	45.0	32.0	25.7	19.2	12.8	6.6	6.6
0°	46.0	32.8	26.3	19.7	13.1	6.6	6.6
-2.5°	48.6	33.5	26.8	19.7	13.1	6.6	6.6
-5°	50.9	34.1	27.3	19.6	13.1	6.6	6.6
-7.5°	52.9	34.7	27.7	19.5	13.0	6.6	6.6
-10°	54.6	35.2	28.0	19.4	12.9	6.6	6.6
-12.5°	55.9	35.6	28.2	19.2	12.8	6.6	6.6
-15°	56.7	36.0	28.3	19.0	12.7	6.6	6.6
-17.5°	57.0	36.3	28.3	18.8	12.5	6.6	6.6
-20°	58.4	36.5	28.1	18.5	12.3	6.6	6.6

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CATALOG NUMBER: GFLD-SA4D-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	62.2	36.7	27.7	18.2	12.1	6.6	6.6
-25°	65.3	39.1	27.3	17.8	11.9	6.6	6.6
-27.5°	67.7	42.1	26.6	17.5	11.6	6.6	6.6
-30°	69.3	44.7	25.9	17.0	11.4	6.6	6.6
-32.5°	70.2	46.9	26.9	16.6	11.1	6.6	6.6
-35°	72.1	48.6	27.6	16.1	10.7	6.6	6.6
-37.5°	74.0	49.7	28.1	15.6	10.4	6.6	6.6
-40°	75.2	50.1	28.3	15.0	10.1	6.6	6.6
-42.5°	75.5	50.1	28.5	14.7	9.7	6.6	6.6
-45°	75.2	49.8	28.6	14.8	9.3	6.6	6.6
-47.5°	74.0	49.0	28.4	14.7	8.9	6.6	6.6
-50°	72.5	47.9	27.9	14.5	8.5	6.6	6.6
-52.5°	70.5	46.4	27.0	14.3	8.0	6.6	6.6
-55°	68.0	44.5	25.9	13.9	7.6	6.6	6.6
-57.5°	65.0	42.1	24.4	13.4	7.1	6.6	6.6
-60°	61.4	39.2	22.7	12.8	6.6	6.6	6.6
-62.5°	56.4	35.9	21.5	12.1	6.6	6.6	6.6
-65°	50.9	32.1	20.1	11.3	6.6	6.6	6.6
-67.5°	44.7	28.9	18.5	10.4	6.6	6.6	6.6
-70°	38.1	26.2	16.8	9.5	6.6	6.6	6.6
-72.5°	33.6	23.4	15.0	9.3	6.6	6.6	6.6
-75°	29.3	20.4	13.1	9.2	6.6	6.6	6.6
-77.5°	24.7	17.2	12.4	9.1	6.6	6.6	6.6
-80°	20.0	15.5	12.0	9.0	6.6	6.6	6.6
-82.5°	18.1	14.6	11.5	8.8	6.6	6.6	6.6
-85°	16.5	13.6	11.0	8.6	6.6	6.6	6.6
-87.5°	14.8	12.5	10.4	8.4	6.6	6.6	6.6
-90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6

(END OF REPORT)