

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: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627690 (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-SA5D-730-U-VWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

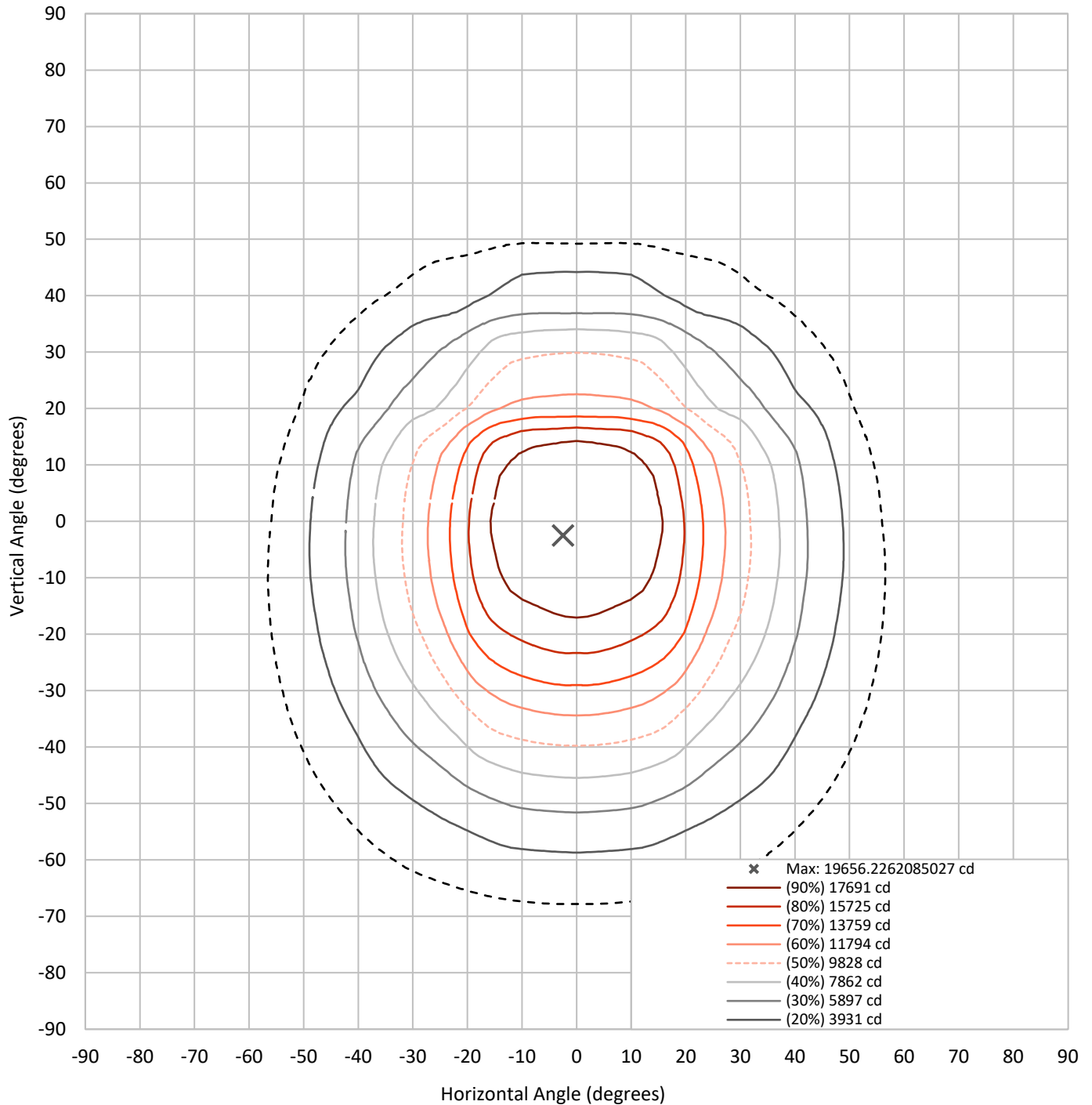
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	26231.9 lumens	Max Intensity:	19656.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	96.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	15176.9 lumens	Field Lumens:	24892.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	271.3		
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		



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

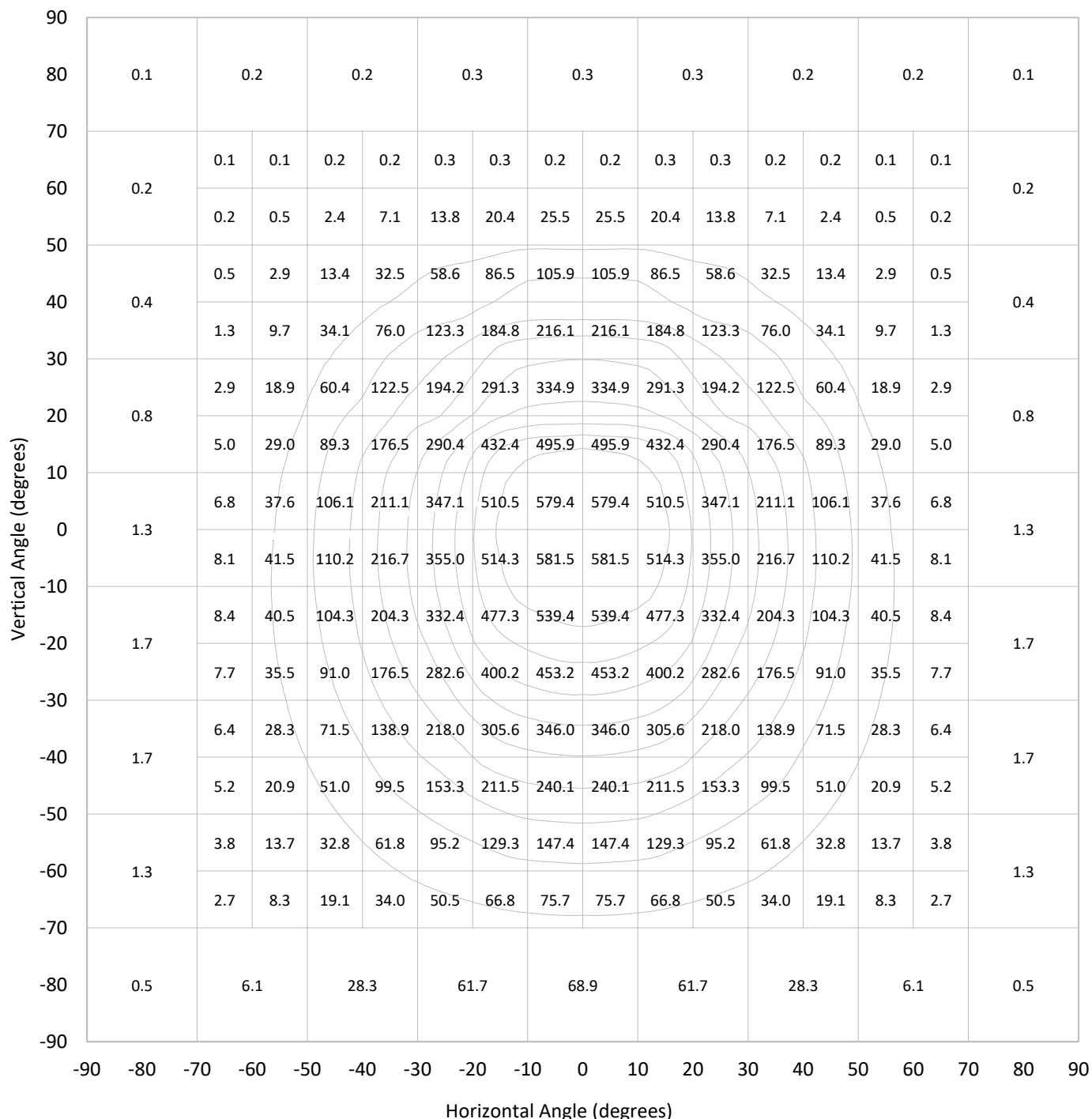
Iso-Candela Plot





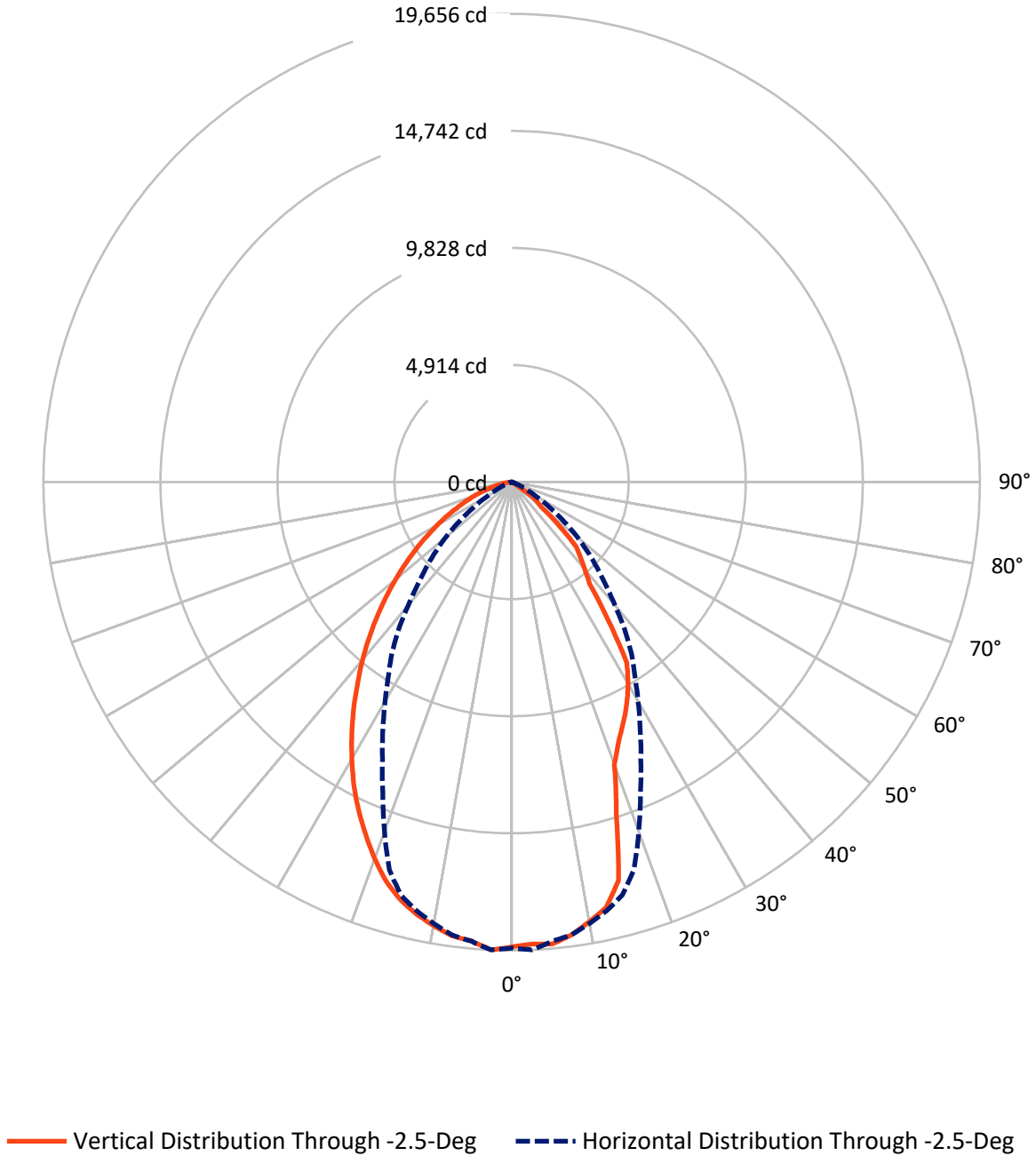
REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

Lumen Table



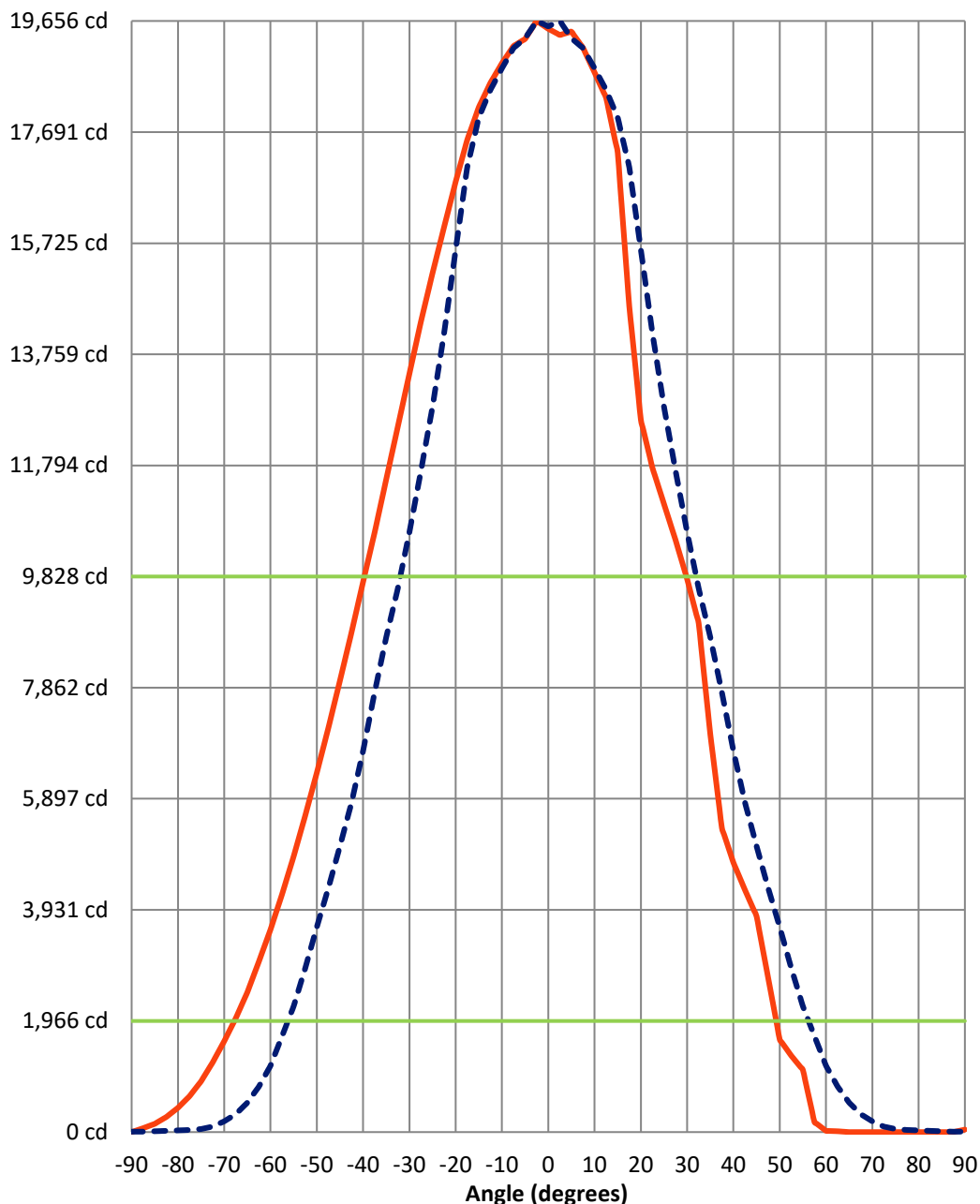
REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

Luminous Intensity Polar Plot



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 15176.9
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 24892.4
 Efficiency: 94.9%

Spill:
 Lumens: 1339.5
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.3	7.3	7.3	9.1	11.0	12.9	14.7	16.5	18.4	20.2	22.0
87.5°	7.3	7.3	7.3	7.1	6.7	6.1	5.4	3.8	2.4	1.1	0.0
85°	7.3	7.3	7.3	6.8	6.0	4.9	3.5	2.2	1.2	0.4	0.0
82.5°	7.3	7.3	7.3	6.6	5.4	3.8	1.7	0.6	0.2	1.1	1.9
80°	7.3	7.3	7.3	6.4	4.9	2.7	0.4	1.4	2.6	3.8	5.0
77.5°	7.3	7.3	7.3	6.2	4.3	2.4	2.3	3.6	5.1	6.6	6.6
75°	7.3	7.3	7.3	6.0	4.0	3.6	4.1	5.7	7.2	5.9	3.8
72.5°	7.3	7.3	7.3	5.9	4.6	4.7	5.8	7.2	6.2	4.2	1.3
70°	7.3	7.3	7.3	5.8	5.2	5.8	7.3	6.9	5.4	2.8	3.3
67.5°	7.3	7.3	7.3	6.1	5.8	6.8	7.5	6.7	4.7	5.7	6.5
65°	7.3	7.3	7.3	6.3	6.4	7.6	7.8	6.7	7.3	8.5	9.0
62.5°	7.3	7.3	7.3	6.6	6.8	8.1	8.2	8.3	9.9	11.1	10.1
60°	7.3	7.3	7.3	6.7	7.3	8.8	8.7	10.5	12.4	12.8	11.5
57.5°	7.3	7.3	7.4	6.9	8.0	9.5	10.4	12.7	14.5	14.7	14.3
55°	7.3	7.3	7.5	7.1	8.7	10.3	12.3	14.9	16.7	17.0	17.8
52.5°	7.3	7.3	7.6	7.2	9.5	11.2	14.1	17.0	19.1	20.2	21.3
50°	7.3	7.3	7.8	7.3	10.3	12.7	15.9	19.1	21.7	23.3	24.8
47.5°	7.3	7.3	8.0	7.5	11.2	14.2	17.7	21.1	24.5	26.4	28.2
45°	7.3	7.3	8.2	8.1	12.1	15.6	19.4	23.1	27.1	29.5	31.6
42.5°	7.3	7.3	8.4	8.8	13.0	17.0	21.1	25.4	29.8	32.5	38.3
40°	7.3	7.3	8.7	9.7	14.0	18.4	22.7	27.9	32.7	35.6	45.8
37.5°	7.3	7.3	9.0	10.7	15.1	19.7	24.3	30.5	35.8	40.4	53.3
35°	7.3	7.3	9.3	11.7	16.1	21.0	25.9	33.1	39.0	49.6	67.9
32.5°	7.3	7.3	9.6	12.6	17.1	22.2	27.6	35.9	42.4	60.5	96.9
30°	7.3	7.3	10.0	13.5	18.0	23.4	29.8	38.7	45.8	72.9	125.0
27.5°	7.3	7.3	10.4	14.4	19.2	24.5	31.9	41.5	51.9	86.6	152.3
25°	7.3	7.3	10.8	15.3	20.3	25.6	34.1	44.4	62.5	106.7	179.1
22.5°	7.3	7.3	11.2	16.1	21.4	26.8	36.2	47.3	73.7	128.8	214.4
20°	7.3	7.3	11.6	16.9	22.5	28.1	38.3	50.1	85.3	149.7	249.5
17.5°	7.3	7.3	12.0	17.7	23.5	29.4	40.4	53.0	97.2	169.5	284.0
15°	7.3	7.3	12.4	18.4	24.5	30.6	42.5	56.7	109.0	188.0	317.5
12.5°	7.3	7.3	12.8	19.1	25.5	31.8	44.4	61.8	122.3	205.1	349.6
10°	7.3	7.3	13.2	19.8	26.4	32.9	46.1	67.2	136.2	225.1	381.8
7.5°	7.3	7.3	13.6	20.4	27.2	34.0	47.7	72.6	149.5	244.5	415.6
5°	7.3	7.3	14.0	21.0	28.0	34.9	49.1	78.0	162.0	262.5	446.8
2.5°	7.3	7.3	14.4	21.5	28.7	35.9	50.3	83.2	173.3	278.9	474.7
0°	7.3	7.3	14.7	22.0	29.4	36.7	51.4	88.1	183.4	293.5	499.0
-2.5°	7.3	7.3	14.7	22.0	29.4	36.7	51.4	88.1	183.4	293.5	499.0
-5°	7.3	7.3	14.6	21.9	30.6	38.2	56.9	105.3	196.6	337.0	538.7
-7.5°	7.3	7.3	14.6	21.8	31.0	38.8	59.1	112.4	201.2	353.5	552.7
-10°	7.3	7.3	14.5	21.7	31.3	39.4	61.0	118.3	204.6	365.6	563.0
-12.5°	7.3	7.3	14.3	21.5	31.6	39.8	62.4	122.8	206.9	371.8	571.0
-15°	7.3	7.3	14.2	21.2	31.7	40.2	63.3	125.4	211.2	371.2	573.9
-17.5°	7.3	7.3	14.0	21.0	31.6	40.6	63.7	128.1	217.5	367.4	570.3
-20°	7.3	7.3	13.8	20.7	31.4	40.8	65.3	130.7	221.6	360.7	559.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.3	7.3	13.6	20.3	31.0	41.0	69.5	131.9	223.4	351.0	542.1
-25°	7.3	7.3	13.3	19.9	30.5	43.7	72.9	131.5	222.8	338.6	516.7
-27.5°	7.3	7.3	13.0	19.5	29.7	47.1	75.6	129.5	219.7	328.0	498.1
-30°	7.3	7.3	12.7	19.1	29.0	50.0	77.4	125.9	215.5	323.2	477.3
-32.5°	7.3	7.3	12.4	18.6	30.1	52.5	78.4	126.1	210.3	315.2	453.7
-35°	7.3	7.3	12.0	18.0	30.8	54.4	80.5	126.8	203.0	303.8	427.6
-37.5°	7.3	7.3	11.6	17.5	31.4	55.6	82.7	126.3	193.6	289.0	415.9
-40°	7.3	7.3	11.2	16.9	31.6	56.0	84.0	124.6	182.2	274.9	402.9
-42.5°	7.3	7.3	10.8	16.5	31.8	56.0	84.4	121.8	175.6	263.5	382.9
-45°	7.3	7.3	10.4	16.6	32.0	55.6	84.0	119.2	170.9	249.5	357.8
-47.5°	7.3	7.3	9.9	16.5	31.7	54.8	82.7	117.5	164.8	232.6	338.0
-50°	7.3	7.3	9.4	16.3	31.2	53.5	81.0	114.6	159.9	226.6	314.4
-52.5°	7.3	7.3	8.9	16.0	30.2	51.8	78.7	110.5	155.8	218.6	289.2
-55°	7.3	7.3	8.4	15.5	28.9	49.7	75.9	105.5	150.7	208.7	277.1
-57.5°	7.3	7.3	7.8	15.0	27.3	47.0	72.5	101.1	143.6	198.3	262.8
-60°	7.3	7.3	7.3	14.3	25.4	43.8	68.5	96.1	134.6	185.9	246.3
-62.5°	7.3	7.3	7.3	13.5	24.0	40.1	63.0	89.5	123.4	171.2	227.2
-65°	7.3	7.3	7.3	12.6	22.4	35.9	56.8	81.1	109.9	152.0	205.4
-67.5°	7.3	7.3	7.3	11.6	20.7	32.3	50.0	71.2	94.3	129.4	176.5
-70°	7.3	7.3	7.3	10.6	18.8	29.3	42.5	60.7	80.8	104.3	142.6
-72.5°	7.3	7.3	7.3	10.3	16.8	26.1	37.5	49.6	66.6	86.5	109.2
-75°	7.3	7.3	7.3	10.2	14.6	22.8	32.7	41.8	51.9	68.1	86.8
-77.5°	7.3	7.3	7.3	10.1	13.8	19.2	27.6	35.2	43.1	51.6	63.6
-80°	7.3	7.3	7.3	10.0	13.3	17.3	22.3	28.3	34.7	41.6	49.0
-82.5°	7.3	7.3	7.3	9.8	12.8	16.3	20.2	23.0	26.2	31.4	37.0
-85°	7.3	7.3	7.3	9.6	12.2	15.2	18.4	20.9	23.3	25.8	28.2
-87.5°	7.3	7.3	7.3	9.4	11.6	14.0	16.6	18.7	20.9	23.0	25.1
-90°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	5.5	3.6	1.8	0.0



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.9	25.7	27.6
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°	2.1	1.9	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.8	3.9	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.2	2.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.5	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.2	2.1	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.1	4.5	3.0	1.2	0.0	0.4	1.1	0.8	0.0	0.4	0.9
67.5°	6.8	5.1	3.3	2.1	2.7	3.7	3.4	3.7	4.0	4.3	3.7
65°	7.1	5.4	5.5	6.4	7.2	7.9	8.5	9.1	7.6	6.6	6.7
62.5°	7.6	8.3	9.5	10.7	11.8	12.8	12.8	11.4	8.6	10.8	12.4
60°	10.9	12.0	13.5	15.0	16.5	17.2	16.5	16.6	18.5	21.5	41.2
57.5°	14.7	15.7	17.5	19.8	21.9	22.2	22.8	24.8	58.1	94.9	104.9
55°	18.5	19.3	22.4	26.1	28.2	28.0	40.3	84.8	128.0	177.4	195.6
52.5°	22.3	23.9	29.2	33.6	36.3	56.6	102.0	162.5	226.2	282.9	356.1
50°	26.1	31.4	36.9	43.3	69.0	121.9	188.3	270.9	367.0	457.5	550.3
47.5°	32.7	39.3	47.6	68.3	136.2	209.5	301.3	434.2	552.7	662.3	789.5
45°	40.4	54.2	63.5	135.2	214.0	308.7	464.1	626.5	734.1	880.8	1105.8
42.5°	48.3	75.1	121.3	204.3	300.3	452.9	645.6	784.1	927.2	1164.9	1401.5
40°	69.6	100.7	183.0	281.6	403.3	625.9	823.6	980.4	1175.9	1439.4	1686.4
37.5°	95.3	153.7	245.8	364.2	564.9	808.9	1020.7	1244.7	1469.4	1717.9	2175.9
35°	124.0	202.9	325.5	485.2	726.7	1011.9	1264.4	1514.7	1773.6	2262.9	2717.4
32.5°	161.3	248.2	408.8	625.9	901.5	1214.6	1507.7	1797.0	2212.4	2766.0	3222.1
30°	201.4	320.9	504.6	756.1	1066.2	1400.2	1752.6	2102.9	2652.7	3110.8	3606.0
27.5°	243.4	397.7	617.1	892.1	1220.3	1575.4	1973.2	2472.9	2963.2	3415.8	3960.0
25°	286.5	477.8	719.9	1022.3	1372.0	1764.8	2222.3	2830.9	3214.5	3714.7	4282.4
22.5°	341.9	554.3	821.7	1140.2	1512.5	1959.4	2542.8	3154.0	3605.4	4026.1	4580.7
20°	406.0	640.6	932.4	1288.0	1650.3	2149.5	2861.5	3504.4	4035.3	4517.0	5026.4
17.5°	465.9	721.1	1050.9	1438.9	1850.6	2393.0	3174.2	3885.7	4469.9	5006.8	5642.7
15°	521.2	795.7	1167.0	1581.7	2047.6	2672.0	3454.7	4236.0	4903.2	5507.2	6229.8
12.5°	571.8	863.8	1278.7	1715.3	2233.0	2912.6	3690.1	4452.7	5186.0	5973.2	6793.2
10°	617.4	925.1	1384.3	1838.7	2404.9	3116.0	3884.7	4633.5	5373.3	6206.3	7117.4
7.5°	666.4	982.4	1480.2	1950.8	2561.4	3284.0	4040.1	4778.5	5524.6	6392.7	7328.1
5°	711.6	1035.0	1556.3	2031.2	2682.3	3415.1	4157.0	4888.6	5639.5	6531.7	7487.7
2.5°	751.4	1079.3	1618.3	2094.2	2771.9	3511.6	4233.0	4980.5	5724.8	6644.6	7609.5
0°	785.1	1115.3	1665.6	2142.6	2839.6	3580.7	4277.8	5040.9	5774.6	6721.2	7689.7
-2.5°	806.7	1174.2	1698.1	2227.0	2898.8	3625.9	4317.8	5057.8	5828.3	6745.4	7779.7
-5°	821.9	1221.9	1717.7	2292.0	2937.5	3645.9	4331.0	5044.7	5842.6	6739.3	7793.0
-7.5°	830.7	1255.5	1726.9	2329.0	2951.2	3633.9	4308.7	5019.8	5819.2	6716.2	7734.7
-10°	835.8	1266.1	1739.3	2317.8	2933.2	3594.6	4259.0	4961.6	5752.6	6641.2	7624.0
-12.5°	849.6	1259.4	1737.2	2293.2	2894.7	3535.2	4185.4	4869.2	5641.7	6513.2	7471.0
-15°	853.1	1244.2	1716.3	2256.9	2835.7	3457.4	4089.1	4742.7	5504.9	6388.5	7301.7
-17.5°	845.4	1221.5	1675.7	2210.5	2756.7	3363.2	3975.6	4628.7	5376.6	6244.6	7123.9
-20°	825.7	1191.8	1614.3	2155.8	2663.0	3258.5	3862.0	4509.2	5229.1	6045.0	6925.1



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	793.6	1156.1	1547.8	2079.4	2582.0	3138.3	3728.8	4346.3	5044.3	5786.2	6657.7
-25°	760.4	1115.7	1495.5	1974.4	2484.6	2997.9	3575.7	4147.1	4827.2	5555.8	6329.1
-27.5°	728.9	1059.4	1441.1	1859.5	2370.0	2848.0	3402.7	3960.0	4583.0	5297.1	6009.2
-30°	687.7	998.4	1374.7	1748.9	2232.9	2706.8	3209.7	3758.2	4318.5	4996.2	5696.7
-32.5°	651.3	935.1	1299.0	1664.7	2085.5	2547.7	3001.7	3524.5	4071.2	4648.9	5341.2
-35°	627.0	897.6	1218.9	1567.4	1935.1	2374.8	2806.5	3260.7	3790.3	4332.4	4940.2
-37.5°	607.2	854.6	1134.5	1466.0	1816.0	2193.3	2597.5	3015.4	3477.5	4024.2	4595.6
-40°	576.2	806.1	1072.0	1369.4	1678.2	2021.3	2396.5	2774.8	3175.3	3709.3	4273.2
-42.5°	536.5	759.2	1013.1	1264.2	1546.3	1859.5	2193.0	2549.3	2934.3	3398.1	3916.4
-45°	506.0	699.2	947.6	1172.5	1406.1	1692.5	2005.7	2328.4	2691.5	3089.7	3555.2
-47.5°	467.2	633.9	861.9	1072.1	1277.9	1522.4	1808.8	2114.3	2435.9	2794.7	3176.2
-50°	425.7	579.5	757.1	961.8	1158.0	1361.3	1605.6	1888.1	2179.9	2492.6	2833.0
-52.5°	394.2	515.8	678.0	848.3	1035.4	1219.8	1427.8	1670.0	1930.6	2191.9	2491.3
-55°	358.6	469.0	602.6	755.3	914.6	1085.2	1274.6	1486.8	1699.2	1939.3	2178.2
-57.5°	333.5	423.9	539.7	672.4	815.5	960.5	1139.2	1318.5	1515.3	1713.9	1912.2
-60°	313.9	384.9	481.0	597.9	725.4	861.0	1007.7	1173.3	1342.6	1504.8	1676.1
-62.5°	291.4	353.3	428.4	523.7	638.9	756.9	886.0	1028.0	1181.2	1317.7	1450.5
-65°	262.4	316.2	380.6	458.2	548.7	648.4	758.5	878.1	1010.5	1121.3	1229.8
-67.5°	229.1	274.4	328.5	391.9	467.3	545.1	625.9	727.0	834.5	924.9	1013.4
-70°	187.3	229.1	273.3	325.0	384.2	450.1	521.2	594.6	668.2	742.0	822.9
-72.5°	143.3	181.4	218.9	255.8	302.9	357.0	414.9	476.5	540.7	603.9	665.3
-75°	109.3	134.0	166.8	200.0	232.7	267.9	307.1	356.1	415.8	477.0	533.2
-77.5°	82.5	103.3	125.1	147.9	168.6	194.5	222.8	253.3	302.6	359.1	416.2
-80°	59.5	72.0	89.4	107.7	122.2	136.5	151.4	166.8	203.4	249.0	297.6
-82.5°	44.2	52.7	62.3	73.0	80.4	87.5	95.4	105.6	132.8	163.5	196.0
-85°	30.5	33.0	38.2	44.1	48.2	52.3	56.6	60.9	75.6	92.0	109.6
-87.5°	26.3	27.5	28.9	30.4	30.9	31.4	31.9	32.4	37.3	42.5	47.8
-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: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	29.4	31.2	33.1	34.9	36.7	38.5	40.4	42.2	44.0	44.0	44.0
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°	3.3	3.7	3.8	3.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	7.7	7.4	5.5	3.6	1.7	2.8	4.5	5.3	5.3	4.8	3.7
62.5°	11.6	10.6	9.7	11.2	13.4	15.5	14.8	14.0	13.0	12.4	12.9
60°	43.4	29.0	33.4	42.0	39.2	26.9	44.2	50.0	42.6	29.2	28.2
57.5°	110.0	106.2	121.6	177.7	195.5	178.1	212.8	258.4	257.1	221.4	220.3
55°	234.3	314.4	411.1	426.7	493.9	628.8	733.7	687.7	687.4	722.0	833.5
52.5°	445.1	520.7	548.8	623.9	764.5	866.5	932.1	999.9	1074.3	1150.2	1227.1
50°	653.2	726.6	809.9	886.7	1081.4	1186.1	1168.6	1309.2	1489.1	1601.4	1659.2
47.5°	958.1	1073.7	1249.8	1525.6	1670.8	1775.8	1906.4	2065.6	2271.8	2551.3	2766.7
45°	1317.2	1499.0	1771.4	2064.4	2289.8	2392.4	2541.8	2788.4	3117.1	3437.1	3670.8
42.5°	1610.6	1860.0	2167.3	2447.2	2631.0	2799.7	2993.2	3201.1	3577.6	3919.4	4189.5
40°	1993.5	2187.8	2532.5	2796.4	2961.0	3128.2	3434.8	3746.1	4100.1	4418.5	4639.8
37.5°	2478.9	2697.5	3056.0	3354.5	3513.0	3572.1	4093.5	4526.8	4814.5	5221.0	5354.0
35°	3000.3	3360.2	3817.1	4204.1	4359.5	4669.5	5206.7	5811.2	6466.2	6707.1	6912.5
32.5°	3582.0	4026.1	4646.0	5061.3	5283.0	5753.6	6433.4	7078.7	7935.2	8400.0	8538.9
30°	4114.2	4623.8	5156.6	5560.3	5939.3	6506.1	7126.0	7921.6	8713.6	9307.9	9492.5
27.5°	4504.8	5068.6	5580.8	5958.9	6386.5	6997.6	7770.5	8576.3	9353.7	9960.0	10175.5
25°	4877.5	5514.8	5920.5	6360.0	6862.1	7528.1	8384.7	9280.0	10045.7	10558.1	10822.4
22.5°	5301.6	5930.0	6365.4	6737.6	7394.3	8161.7	8956.7	9968.4	10779.7	11188.6	11475.0
20°	5739.3	6450.3	7122.7	7469.1	8037.3	9008.8	9898.9	10854.0	11637.3	12063.5	12365.2
17.5°	6349.9	7255.9	8080.8	8571.2	9179.6	10341.4	11452.0	12418.1	13507.9	13892.8	14261.5
15°	6993.8	8042.4	9008.7	9785.6	10571.6	11722.7	13152.3	14318.2	15561.6	16117.0	16744.8
12.5°	7635.7	8628.0	9503.4	10505.7	11613.4	12631.6	13992.7	15444.5	16572.8	17281.1	17703.7
10°	8115.4	9037.1	9879.5	10884.2	11989.8	13141.6	14494.1	15982.3	17163.4	17767.8	18112.8
7.5°	8374.5	9256.6	10145.1	11163.2	12263.9	13490.6	14884.1	16360.5	17568.3	18153.9	18494.5
5°	8566.8	9414.0	10334.1	11405.8	12518.6	13762.5	15154.1	16613.0	17714.2	18336.5	18767.3
2.5°	8683.2	9513.8	10454.5	11562.6	12678.1	13973.6	15432.5	16944.7	17908.3	18408.9	18805.0
0°	8717.0	9553.5	10522.0	11644.7	12789.3	14095.4	15540.9	17037.7	18013.6	18497.9	18901.5
-2.5°	8755.0	9616.3	10611.4	11697.9	12832.9	14135.2	15610.7	17069.3	17947.2	18435.8	18819.7
-5°	8728.5	9621.1	10613.2	11653.9	12796.3	14088.3	15504.7	16868.5	17786.9	18315.1	18696.9
-7.5°	8649.5	9554.8	10536.6	11536.8	12657.5	13964.1	15374.6	16687.9	17618.1	18175.3	18593.0
-10°	8534.6	9413.5	10402.1	11415.0	12522.2	13766.0	15154.8	16460.3	17350.6	17942.1	18429.0
-12.5°	8407.2	9267.9	10220.8	11192.4	12287.4	13515.9	14861.5	16097.2	16982.3	17627.5	17975.4
-15°	8218.5	9078.6	9989.6	10929.4	11996.7	13188.5	14473.9	15659.4	16528.6	17053.6	17438.0
-17.5°	7978.4	8822.4	9686.0	10577.4	11582.9	12756.6	14049.8	15219.1	15927.6	16396.5	16774.3
-20°	7721.2	8501.6	9319.9	10161.0	11135.7	12298.3	13568.3	14588.2	15256.0	15706.6	16063.3



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7427.5	8179.0	8928.0	9732.1	10687.8	11753.7	12875.6	13861.1	14579.1	14989.4	15319.1
-25°	7092.2	7823.3	8534.5	9311.2	10189.5	11147.6	12190.7	13159.2	13802.3	14238.1	14565.1
-27.5°	6731.1	7418.0	8112.8	8810.2	9599.8	10554.4	11520.4	12420.2	12969.1	13408.4	13737.3
-30°	6370.7	6988.5	7631.3	8291.6	9032.6	9893.4	10797.0	11553.6	12132.4	12559.3	12864.7
-32.5°	5980.1	6566.4	7135.9	7752.9	8450.7	9209.3	10002.2	10721.9	11340.5	11731.5	11988.8
-35°	5580.0	6147.6	6668.9	7228.9	7844.4	8499.0	9231.0	9940.8	10551.6	10861.0	11111.8
-37.5°	5163.3	5729.2	6223.4	6691.4	7221.6	7827.8	8540.7	9218.0	9745.7	10011.6	10237.7
-40°	4801.0	5299.2	5744.0	6191.8	6622.8	7161.2	7826.5	8482.2	8905.6	9164.8	9374.8
-42.5°	4449.3	4869.5	5233.8	5635.1	6066.5	6597.3	7134.1	7683.9	8024.2	8311.9	8533.1
-45°	4039.6	4415.3	4756.8	5090.6	5484.1	5968.6	6456.3	6896.6	7215.4	7493.4	7708.8
-47.5°	3586.5	3949.2	4280.9	4579.3	4945.0	5349.1	5759.7	6126.2	6440.9	6715.6	6907.8
-50°	3164.2	3488.2	3812.1	4114.1	4431.0	4758.0	5091.0	5412.7	5711.4	5978.4	6142.0
-52.5°	2785.9	3084.9	3367.9	3632.0	3909.3	4185.5	4461.4	4755.9	5030.9	5283.5	5414.1
-55°	2443.6	2713.2	2968.6	3191.1	3413.6	3632.7	3869.1	4141.1	4394.3	4628.3	4722.0
-57.5°	2136.4	2367.1	2593.1	2781.3	2962.9	3137.2	3344.8	3574.3	3795.9	3996.5	4073.2
-60°	1853.8	2036.9	2225.9	2392.8	2551.1	2700.5	2881.5	3066.4	3246.1	3397.3	3462.7
-62.5°	1593.8	1750.4	1893.6	2029.3	2163.4	2297.9	2444.0	2590.6	2735.8	2852.3	2911.3
-65°	1343.2	1467.9	1583.0	1694.5	1802.7	1915.7	2030.1	2141.6	2249.0	2332.3	2383.4
-67.5°	1107.9	1202.7	1294.0	1381.0	1471.5	1563.1	1652.6	1738.0	1818.7	1883.1	1931.9
-70°	899.4	972.7	1044.2	1116.2	1191.8	1263.0	1330.4	1394.3	1454.3	1500.7	1538.4
-72.5°	725.0	784.5	846.2	911.0	972.1	1025.4	1073.8	1120.4	1165.1	1191.3	1210.9
-75°	584.4	634.5	688.3	740.7	791.8	832.2	867.8	902.2	935.3	937.0	930.4
-77.5°	472.2	516.9	558.5	599.7	640.4	665.4	687.1	709.6	732.2	719.1	698.3
-80°	346.6	383.8	419.1	454.6	490.0	504.8	515.1	524.0	531.6	514.4	493.3
-82.5°	230.0	253.5	276.4	299.8	323.4	332.9	339.9	345.8	350.4	334.9	317.0
-85°	128.3	139.6	150.7	161.9	173.1	179.7	185.8	191.3	196.4	187.2	176.7
-87.5°	53.3	55.9	58.4	60.8	63.2	65.6	67.9	70.2	72.4	72.7	73.0
-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: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.2
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°	2.2	0.4	0.0	0.0	0.0	0.4	2.2	3.7	4.8	5.3	5.3
62.5°	13.5	14.1	14.5	14.7	14.5	14.1	13.5	12.9	12.4	13.0	14.0
60°	25.9	22.7	21.9	22.0	21.9	22.7	25.9	28.2	29.2	42.6	50.0
57.5°	203.4	174.1	178.5	198.1	178.5	174.1	203.4	220.3	221.4	257.1	258.4
55°	950.6	1061.1	1100.2	1078.6	1100.2	1061.1	950.6	833.5	722.0	687.4	687.7
52.5°	1287.9	1333.2	1350.7	1350.1	1350.7	1333.2	1287.9	1227.1	1150.2	1074.3	999.9
50°	1676.6	1661.3	1637.7	1614.3	1637.7	1661.3	1676.6	1659.2	1601.4	1489.1	1309.2
47.5°	2798.2	2749.7	2729.2	2766.2	2729.2	2749.7	2798.2	2766.7	2551.3	2271.8	2065.6
45°	3718.4	3775.2	3817.7	3815.5	3817.7	3775.2	3718.4	3670.8	3437.1	3117.1	2788.4
42.5°	4242.4	4272.7	4281.4	4270.4	4281.4	4272.7	4242.4	4189.5	3919.4	3577.6	3201.1
40°	4709.4	4745.4	4765.7	4784.1	4765.7	4745.4	4709.4	4639.8	4418.5	4100.1	3746.1
37.5°	5397.8	5411.1	5382.2	5363.7	5382.2	5411.1	5397.8	5354.0	5221.0	4814.5	4526.8
35°	7085.7	7120.3	7040.2	7124.7	7040.2	7120.3	7085.7	6912.5	6707.1	6466.2	5811.2
32.5°	8704.4	8866.4	8997.5	9105.9	8997.5	8866.4	8704.4	8538.9	8400.0	7935.2	7078.7
30°	9621.3	9725.9	9782.0	9795.6	9782.0	9725.9	9621.3	9492.5	9307.9	8713.6	7921.6
27.5°	10294.6	10404.2	10472.4	10522.0	10472.4	10404.2	10294.6	10175.5	9960.0	9353.7	8576.3
25°	10943.5	11043.7	11111.9	11138.4	11111.9	11043.7	10943.5	10822.4	10558.1	10045.7	9280.0
22.5°	11616.8	11686.4	11751.9	11784.1	11751.9	11686.4	11616.8	11475.0	11188.6	10779.7	9968.4
20°	12582.0	12544.1	12603.9	12583.9	12603.9	12544.1	12582.0	12365.2	12063.5	11637.3	10854.0
17.5°	14549.0	14569.5	14609.4	14675.1	14609.4	14569.5	14549.0	14261.5	13892.8	13507.9	12418.1
15°	17022.8	17072.7	17325.7	17551.4	17325.7	17072.7	17022.8	16744.8	16117.0	15561.6	14318.2
12.5°	18095.9	18268.2	18294.9	18358.5	18294.9	18268.2	18095.9	17703.7	17281.1	16572.8	15444.5
10°	18454.0	18752.3	18746.0	18820.8	18746.0	18752.3	18454.0	18112.8	17767.8	17163.4	15982.3
7.5°	18725.7	19046.0	19181.4	19239.0	19181.4	19046.0	18725.7	18494.5	18153.9	17568.3	16360.5
5°	19057.5	19233.6	19467.3	19400.4	19467.3	19233.6	19057.5	18767.3	18336.5	17714.2	16613.0
2.5°	19196.5	19472.5	19408.7	19473.8	19408.7	19472.5	19196.5	18805.0	18408.9	17908.3	16944.7
0°	19290.4	19488.5	19517.8	19583.9	19517.8	19488.5	19290.4	18901.5	18497.9	18013.6	17037.7
-2.5°	19176.6	19350.9	19656.2	19561.9	19656.2	19350.9	19176.6	18819.7	18435.8	17947.2	17069.3
-5°	19076.8	19505.9	19339.3	19547.2	19339.3	19505.9	19076.8	18696.9	18315.1	17786.9	16868.5
-7.5°	19025.3	19102.1	19212.7	19371.1	19212.7	19102.1	19025.3	18593.0	18175.3	17618.1	16687.9
-10°	18627.0	18705.5	18908.8	19018.9	18908.8	18705.5	18627.0	18429.0	17942.1	17350.6	16460.3
-12.5°	18195.1	18347.1	18560.6	18630.0	18560.6	18347.1	18195.1	17975.4	17627.5	16982.3	16097.2
-15°	17697.6	17923.3	18131.4	18175.1	18131.4	17923.3	17697.6	17438.0	17053.6	16528.6	15659.4
-17.5°	17064.9	17335.6	17554.2	17602.7	17554.2	17335.6	17064.9	16774.3	16396.5	15927.6	15219.1
-20°	16367.7	16627.0	16812.9	16869.0	16812.9	16627.0	16367.7	16063.3	15706.6	15256.0	14588.2



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	15621.4	15854.8	16012.0	15988.5	16012.0	15854.8	15621.4	15319.1	14989.4	14579.1	13861.1
-25°	14828.9	15045.6	15195.4	15174.0	15195.4	15045.6	14828.9	14565.1	14238.1	13802.3	13159.2
-27.5°	13991.2	14196.4	14340.3	14344.9	14340.3	14196.4	13991.2	13737.3	13408.4	12969.1	12420.2
-30°	13110.9	13297.2	13414.1	13369.0	13414.1	13297.2	13110.9	12864.7	12559.3	12132.4	11553.6
-32.5°	12202.8	12371.5	12478.6	12510.5	12478.6	12371.5	12202.8	11988.8	11731.5	11340.5	10721.9
-35°	11307.3	11455.9	11548.4	11571.3	11548.4	11455.9	11307.3	11111.8	10861.0	10551.6	9940.8
-37.5°	10417.5	10545.4	10610.0	10580.7	10610.0	10545.4	10417.5	10237.7	10011.6	9745.7	9218.0
-40°	9538.2	9659.9	9734.0	9751.6	9734.0	9659.9	9538.2	9374.8	9164.8	8905.6	8482.2
-42.5°	8673.6	8774.9	8839.8	8871.1	8839.8	8774.9	8673.6	8533.1	8311.9	8024.2	7683.9
-45°	7834.6	7925.1	7986.1	8019.9	7986.1	7925.1	7834.6	7708.8	7493.4	7215.4	6896.6
-47.5°	7018.2	7097.6	7150.2	7176.1	7150.2	7097.6	7018.2	6907.8	6715.6	6440.9	6126.2
-50°	6237.6	6306.4	6355.4	6383.7	6355.4	6306.4	6237.6	6142.0	5978.4	5711.4	5412.7
-52.5°	5497.4	5557.4	5599.2	5620.5	5599.2	5557.4	5497.4	5414.1	5283.5	5030.9	4755.9
-55°	4790.4	4839.2	4877.8	4901.5	4877.8	4839.2	4790.4	4722.0	4628.3	4394.3	4141.1
-57.5°	4131.3	4171.0	4207.7	4233.8	4207.7	4171.0	4131.3	4073.2	3996.5	3795.9	3574.3
-60°	3514.2	3551.7	3582.9	3602.7	3582.9	3551.7	3514.2	3462.7	3397.3	3246.1	3066.4
-62.5°	2957.3	2990.6	3019.1	3037.7	3019.1	2990.6	2957.3	2911.3	2852.3	2735.8	2590.6
-65°	2423.5	2453.3	2474.6	2487.4	2474.6	2453.3	2423.5	2383.4	2332.3	2249.0	2141.6
-67.5°	1973.6	2008.0	2014.8	2010.5	2014.8	2008.0	1973.6	1931.9	1883.1	1818.7	1738.0
-70°	1572.0	1601.1	1607.8	1606.9	1607.8	1601.1	1572.0	1538.4	1500.7	1454.3	1394.3
-72.5°	1229.1	1244.9	1231.5	1210.7	1231.5	1244.9	1229.1	1210.9	1191.3	1165.1	1120.4
-75°	922.3	912.2	898.0	880.5	898.0	912.2	922.3	930.4	937.0	935.3	902.2
-77.5°	675.5	650.4	634.2	616.4	634.2	650.4	675.5	698.3	719.1	732.2	709.6
-80°	470.4	445.8	428.9	410.9	428.9	445.8	470.4	493.3	514.4	531.6	524.0
-82.5°	297.9	277.7	267.5	256.8	267.5	277.7	297.9	317.0	334.9	350.4	345.8
-85°	165.5	153.6	146.6	139.4	146.6	153.6	165.5	176.7	187.2	196.4	191.3
-87.5°	73.1	73.3	69.7	66.0	69.7	73.3	73.1	73.0	72.7	72.4	70.2
-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: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	40.4	38.5	36.7	34.9	33.1	31.2	29.4	27.6	25.7	23.9	22.0
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	0.9	0.4	0.0	0.8
67.5°	0.0	0.0	1.3	3.0	3.8	3.7	3.3	3.7	4.3	4.0	3.7
65°	4.5	2.8	1.7	3.6	5.5	7.4	7.7	6.7	6.6	7.6	9.1
62.5°	14.8	15.5	13.4	11.2	9.7	10.6	11.6	12.4	10.8	8.6	11.4
60°	44.2	26.9	39.2	42.0	33.4	29.0	43.4	41.2	21.5	18.5	16.6
57.5°	212.8	178.1	195.5	177.7	121.6	106.2	110.0	104.9	94.9	58.1	24.8
55°	733.7	628.8	493.9	426.7	411.1	314.4	234.3	195.6	177.4	128.0	84.8
52.5°	932.1	866.5	764.5	623.9	548.8	520.7	445.1	356.1	282.9	226.2	162.5
50°	1168.6	1186.1	1081.4	886.7	809.9	726.6	653.2	550.3	457.5	367.0	270.9
47.5°	1906.4	1775.8	1670.8	1525.6	1249.8	1073.7	958.1	789.5	662.3	552.7	434.2
45°	2541.8	2392.4	2289.8	2064.4	1771.4	1499.0	1317.2	1105.8	880.8	734.1	626.5
42.5°	2993.2	2799.7	2631.0	2447.2	2167.3	1860.0	1610.6	1401.5	1164.9	927.2	784.1
40°	3434.8	3128.2	2961.0	2796.4	2532.5	2187.8	1993.5	1686.4	1439.4	1175.9	980.4
37.5°	4093.5	3572.1	3513.0	3354.5	3056.0	2697.5	2478.9	2175.9	1717.9	1469.4	1244.7
35°	5206.7	4669.5	4359.5	4204.1	3817.1	3360.2	3000.3	2717.4	2262.9	1773.6	1514.7
32.5°	6433.4	5753.6	5283.0	5061.3	4646.0	4026.1	3582.0	3222.1	2766.0	2212.4	1797.0
30°	7126.0	6506.1	5939.3	5560.3	5156.6	4623.8	4114.2	3606.0	3110.8	2652.7	2102.9
27.5°	7770.5	6997.6	6386.5	5958.9	5580.8	5068.6	4504.8	3960.0	3415.8	2963.2	2472.9
25°	8384.7	7528.1	6862.1	6360.0	5920.5	5514.8	4877.5	4282.4	3714.7	3214.5	2830.9
22.5°	8956.7	8161.7	7394.3	6737.6	6365.4	5930.0	5301.6	4580.7	4026.1	3605.4	3154.0
20°	9898.9	9008.8	8037.3	7469.1	7122.7	6450.3	5739.3	5026.4	4517.0	4035.3	3504.4
17.5°	11452.0	10341.4	9179.6	8571.2	8080.8	7255.9	6349.9	5642.7	5006.8	4469.9	3885.7
15°	13152.3	11722.7	10571.6	9785.6	9008.7	8042.4	6993.8	6229.8	5507.2	4903.2	4236.0
12.5°	13992.7	12631.6	11613.4	10505.7	9503.4	8628.0	7635.7	6793.2	5973.2	5186.0	4452.7
10°	14494.1	13141.6	11989.8	10884.2	9879.5	9037.1	8115.4	7117.4	6206.3	5373.3	4633.5
7.5°	14884.1	13490.6	12263.9	11163.2	10145.1	9256.6	8374.5	7328.1	6392.7	5524.6	4778.5
5°	15154.1	13762.5	12518.6	11405.8	10334.1	9414.0	8566.8	7487.7	6531.7	5639.5	4888.6
2.5°	15432.5	13973.6	12678.1	11562.6	10454.5	9513.8	8683.2	7609.5	6644.6	5724.8	4980.5
0°	15540.9	14095.4	12789.3	11644.7	10522.0	9553.5	8717.0	7689.7	6721.2	5774.6	5040.9
-2.5°	15610.7	14135.2	12832.9	11697.9	10611.4	9616.3	8755.0	7779.7	6745.4	5828.3	5057.8
-5°	15504.7	14088.3	12796.3	11653.9	10613.2	9621.1	8728.5	7793.0	6739.3	5842.6	5044.7
-7.5°	15374.6	13964.1	12657.5	11536.8	10536.6	9554.8	8649.5	7734.7	6716.2	5819.2	5019.8
-10°	15154.8	13766.0	12522.2	11415.0	10402.1	9413.5	8534.6	7624.0	6641.2	5752.6	4961.6
-12.5°	14861.5	13515.9	12287.4	11192.4	10220.8	9267.9	8407.2	7471.0	6513.2	5641.7	4869.2
-15°	14473.9	13188.5	11996.7	10929.4	9989.6	9078.6	8218.5	7301.7	6388.5	5504.9	4742.7
-17.5°	14049.8	12756.6	11582.9	10577.4	9686.0	8822.4	7978.4	7123.9	6244.6	5376.6	4628.7
-20°	13568.3	12298.3	11135.7	10161.0	9319.9	8501.6	7721.2	6925.1	6045.0	5229.1	4509.2



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-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°	12875.6	11753.7	10687.8	9732.1	8928.0	8179.0	7427.5	6657.7	5786.2	5044.3	4346.3
-25°	12190.7	11147.6	10189.5	9311.2	8534.5	7823.3	7092.2	6329.1	5555.8	4827.2	4147.1
-27.5°	11520.4	10554.4	9599.8	8810.2	8112.8	7418.0	6731.1	6009.2	5297.1	4583.0	3960.0
-30°	10797.0	9893.4	9032.6	8291.6	7631.3	6988.5	6370.7	5696.7	4996.2	4318.5	3758.2
-32.5°	10002.2	9209.3	8450.7	7752.9	7135.9	6566.4	5980.1	5341.2	4648.9	4071.2	3524.5
-35°	9231.0	8499.0	7844.4	7228.9	6668.9	6147.6	5580.0	4940.2	4332.4	3790.3	3260.7
-37.5°	8540.7	7827.8	7221.6	6691.4	6223.4	5729.2	5163.3	4595.6	4024.2	3477.5	3015.4
-40°	7826.5	7161.2	6622.8	6191.8	5744.0	5299.2	4801.0	4273.2	3709.3	3175.3	2774.8
-42.5°	7134.1	6597.3	6066.5	5635.1	5233.8	4869.5	4449.3	3916.4	3398.1	2934.3	2549.3
-45°	6456.3	5968.6	5484.1	5090.6	4756.8	4415.3	4039.6	3555.2	3089.7	2691.5	2328.4
-47.5°	5759.7	5349.1	4945.0	4579.3	4280.9	3949.2	3586.5	3176.2	2794.7	2435.9	2114.3
-50°	5091.0	4758.0	4431.0	4114.1	3812.1	3488.2	3164.2	2833.0	2492.6	2179.9	1888.1
-52.5°	4461.4	4185.5	3909.3	3632.0	3367.9	3084.9	2785.9	2491.3	2191.9	1930.6	1670.0
-55°	3869.1	3632.7	3413.6	3191.1	2968.6	2713.2	2443.6	2178.2	1939.3	1699.2	1486.8
-57.5°	3344.8	3137.2	2962.9	2781.3	2593.1	2367.1	2136.4	1912.2	1713.9	1515.3	1318.5
-60°	2881.5	2700.5	2551.1	2392.8	2225.9	2036.9	1853.8	1676.1	1504.8	1342.6	1173.3
-62.5°	2444.0	2297.9	2163.4	2029.3	1893.6	1750.4	1593.8	1450.5	1317.7	1181.2	1028.0
-65°	2030.1	1915.7	1802.7	1694.5	1583.0	1467.9	1343.2	1229.8	1121.3	1010.5	878.1
-67.5°	1652.6	1563.1	1471.5	1381.0	1294.0	1202.7	1107.9	1013.4	924.9	834.5	727.0
-70°	1330.4	1263.0	1191.8	1116.2	1044.2	972.7	899.4	822.9	742.0	668.2	594.6
-72.5°	1073.8	1025.4	972.1	911.0	846.2	784.5	725.0	665.3	603.9	540.7	476.5
-75°	867.8	832.2	791.8	740.7	688.3	634.5	584.4	533.2	477.0	415.8	356.1
-77.5°	687.1	665.4	640.4	599.7	558.5	516.9	472.2	416.2	359.1	302.6	253.3
-80°	515.1	504.8	490.0	454.6	419.1	383.8	346.6	297.6	249.0	203.4	166.8
-82.5°	339.9	332.9	323.4	299.8	276.4	253.5	230.0	196.0	163.5	132.8	105.6
-85°	185.8	179.7	173.1	161.9	150.7	139.6	128.3	109.6	92.0	75.6	60.9
-87.5°	67.9	65.6	63.2	60.8	58.4	55.9	53.3	47.8	42.5	37.3	32.4
-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: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-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°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	20.2	18.4	16.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	3.8
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	1.2	2.2
82.5°	0.0	0.0	0.0	0.1	1.2	1.9	2.1	1.9	1.1	0.2	0.6
80°	0.0	0.0	0.0	0.2	1.8	3.9	4.8	5.0	3.8	2.6	1.4
77.5°	0.0	0.0	0.0	0.1	0.7	2.1	4.2	6.6	6.6	5.1	3.6
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.5	3.8	5.9	7.2	5.7
72.5°	0.0	0.0	0.0	0.9	2.0	2.1	1.2	1.3	4.2	6.2	7.2
70°	1.1	0.4	0.0	1.2	3.0	4.5	4.1	3.3	2.8	5.4	6.9
67.5°	3.4	3.7	2.7	2.1	3.3	5.1	6.8	6.5	5.7	4.7	6.7
65°	8.5	7.9	7.2	6.4	5.5	5.4	7.1	9.0	8.5	7.3	6.7
62.5°	12.8	12.8	11.8	10.7	9.5	8.3	7.6	10.1	11.1	9.9	8.3
60°	16.5	17.2	16.5	15.0	13.5	12.0	10.9	11.5	12.8	12.4	10.5
57.5°	22.8	22.2	21.9	19.8	17.5	15.7	14.7	14.3	14.7	14.5	12.7
55°	40.3	28.0	28.2	26.1	22.4	19.3	18.5	17.8	17.0	16.7	14.9
52.5°	102.0	56.6	36.3	33.6	29.2	23.9	22.3	21.3	20.2	19.1	17.0
50°	188.3	121.9	69.0	43.3	36.9	31.4	26.1	24.8	23.3	21.7	19.1
47.5°	301.3	209.5	136.2	68.3	47.6	39.3	32.7	28.2	26.4	24.5	21.1
45°	464.1	308.7	214.0	135.2	63.5	54.2	40.4	31.6	29.5	27.1	23.1
42.5°	645.6	452.9	300.3	204.3	121.3	75.1	48.3	38.3	32.5	29.8	25.4
40°	823.6	625.9	403.3	281.6	183.0	100.7	69.6	45.8	35.6	32.7	27.9
37.5°	1020.7	808.9	564.9	364.2	245.8	153.7	95.3	53.3	40.4	35.8	30.5
35°	1264.4	1011.9	726.7	485.2	325.5	202.9	124.0	67.9	49.6	39.0	33.1
32.5°	1507.7	1214.6	901.5	625.9	408.8	248.2	161.3	96.9	60.5	42.4	35.9
30°	1752.6	1400.2	1066.2	756.1	504.6	320.9	201.4	125.0	72.9	45.8	38.7
27.5°	1973.2	1575.4	1220.3	892.1	617.1	397.7	243.4	152.3	86.6	51.9	41.5
25°	2222.3	1764.8	1372.0	1022.3	719.9	477.8	286.5	179.1	106.7	62.5	44.4
22.5°	2542.8	1959.4	1512.5	1140.2	821.7	554.3	341.9	214.4	128.8	73.7	47.3
20°	2861.5	2149.5	1650.3	1288.0	932.4	640.6	406.0	249.5	149.7	85.3	50.1
17.5°	3174.2	2393.0	1850.6	1438.9	1050.9	721.1	465.9	284.0	169.5	97.2	53.0
15°	3454.7	2672.0	2047.6	1581.7	1167.0	795.7	521.2	317.5	188.0	109.0	56.7
12.5°	3690.1	2912.6	2233.0	1715.3	1278.7	863.8	571.8	349.6	205.1	122.3	61.8
10°	3884.7	3116.0	2404.9	1838.7	1384.3	925.1	617.4	381.8	225.1	136.2	67.2
7.5°	4040.1	3284.0	2561.4	1950.8	1480.2	982.4	666.4	415.6	244.5	149.5	72.6
5°	4157.0	3415.1	2682.3	2031.2	1556.3	1035.0	711.6	446.8	262.5	162.0	78.0
2.5°	4233.0	3511.6	2771.9	2094.2	1618.3	1079.3	751.4	474.7	278.9	173.3	83.2
0°	4277.8	3580.7	2839.6	2142.6	1665.6	1115.3	785.1	499.0	293.5	183.4	88.1
-2.5°	4317.8	3625.9	2898.8	2227.0	1698.1	1174.2	806.7	520.9	316.7	190.7	97.1
-5°	4331.0	3645.9	2937.5	2292.0	1717.7	1221.9	821.9	538.7	337.0	196.6	105.3
-7.5°	4308.7	3633.9	2951.2	2329.0	1726.9	1255.5	830.7	552.7	353.5	201.2	112.4
-10°	4259.0	3594.6	2933.2	2317.8	1739.3	1266.1	835.8	563.0	365.6	204.6	118.3
-12.5°	4185.4	3535.2	2894.7	2293.2	1737.2	1259.4	849.6	571.0	371.8	206.9	122.8
-15°	4089.1	3457.4	2835.7	2256.9	1716.3	1244.2	853.1	573.9	371.2	211.2	125.4
-17.5°	3975.6	3363.2	2756.7	2210.5	1675.7	1221.5	845.4	570.3	367.4	217.5	128.1
-20°	3862.0	3258.5	2663.0	2155.8	1614.3	1191.8	825.7	559.9	360.7	221.6	130.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	3728.8	3138.3	2582.0	2079.4	1547.8	1156.1	793.6	542.1	351.0	223.4	131.9
-25°	3575.7	2997.9	2484.6	1974.4	1495.5	1115.7	760.4	516.7	338.6	222.8	131.5
-27.5°	3402.7	2848.0	2370.0	1859.5	1441.1	1059.4	728.9	498.1	328.0	219.7	129.5
-30°	3209.7	2706.8	2232.9	1748.9	1374.7	998.4	687.7	477.3	323.2	215.5	125.9
-32.5°	3001.7	2547.7	2085.5	1664.7	1299.0	935.1	651.3	453.7	315.2	210.3	126.1
-35°	2806.5	2374.8	1935.1	1567.4	1218.9	897.6	627.0	427.6	303.8	203.0	126.8
-37.5°	2597.5	2193.3	1816.0	1466.0	1134.5	854.6	607.2	415.9	289.0	193.6	126.3
-40°	2396.5	2021.3	1678.2	1369.4	1072.0	806.1	576.2	402.9	274.9	182.2	124.6
-42.5°	2193.0	1859.5	1546.3	1264.2	1013.1	759.2	536.5	382.9	263.5	175.6	121.8
-45°	2005.7	1692.5	1406.1	1172.5	947.6	699.2	506.0	357.8	249.5	170.9	119.2
-47.5°	1808.8	1522.4	1277.9	1072.1	861.9	633.9	467.2	338.0	232.6	164.8	117.5
-50°	1605.6	1361.3	1158.0	961.8	757.1	579.5	425.7	314.4	226.6	159.9	114.6
-52.5°	1427.8	1219.8	1035.4	848.3	678.0	515.8	394.2	289.2	218.6	155.8	110.5
-55°	1274.6	1085.2	914.6	755.3	602.6	469.0	358.6	277.1	208.7	150.7	105.5
-57.5°	1139.2	960.5	815.5	672.4	539.7	423.9	333.5	262.8	198.3	143.6	101.1
-60°	1007.7	861.0	725.4	597.9	481.0	384.9	313.9	246.3	185.9	134.6	96.1
-62.5°	886.0	756.9	638.9	523.7	428.4	353.3	291.4	227.2	171.2	123.4	89.5
-65°	758.5	648.4	548.7	458.2	380.6	316.2	262.4	205.4	152.0	109.9	81.1
-67.5°	625.9	545.1	467.3	391.9	328.5	274.4	229.1	176.5	129.4	94.3	71.2
-70°	521.2	450.1	384.2	325.0	273.3	229.1	187.3	142.6	104.3	80.8	60.7
-72.5°	414.9	357.0	302.9	255.8	218.9	181.4	143.3	109.2	86.5	66.6	49.6
-75°	307.1	267.9	232.7	200.0	166.8	134.0	109.3	86.8	68.1	51.9	41.8
-77.5°	222.8	194.5	168.6	147.9	125.1	103.3	82.5	63.6	51.6	43.1	35.2
-80°	151.4	136.5	122.2	107.7	89.4	72.0	59.5	49.0	41.6	34.7	28.3
-82.5°	95.4	87.5	80.4	73.0	62.3	52.7	44.2	37.0	31.4	26.2	23.0
-85°	56.6	52.3	48.2	44.1	38.2	33.0	30.5	28.2	25.8	23.3	20.9
-87.5°	31.9	31.4	30.9	30.4	28.9	27.5	26.3	25.1	23.0	20.9	18.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	14.7	12.9	11.0	9.1	7.3	7.3	7.3
87.5°	5.4	6.1	6.7	7.1	7.3	7.3	7.3
85°	3.5	4.9	6.0	6.8	7.3	7.3	7.3
82.5°	1.7	3.8	5.4	6.6	7.3	7.3	7.3
80°	0.4	2.7	4.9	6.4	7.3	7.3	7.3
77.5°	2.3	2.4	4.3	6.2	7.3	7.3	7.3
75°	4.1	3.6	4.0	6.0	7.3	7.3	7.3
72.5°	5.8	4.7	4.6	5.9	7.3	7.3	7.3
70°	7.3	5.8	5.2	5.8	7.3	7.3	7.3
67.5°	7.5	6.8	5.8	6.1	7.3	7.3	7.3
65°	7.8	7.6	6.4	6.3	7.3	7.3	7.3
62.5°	8.2	8.1	6.8	6.6	7.3	7.3	7.3
60°	8.7	8.8	7.3	6.7	7.3	7.3	7.3
57.5°	10.4	9.5	8.0	6.9	7.4	7.3	7.3
55°	12.3	10.3	8.7	7.1	7.5	7.3	7.3
52.5°	14.1	11.2	9.5	7.2	7.6	7.3	7.3
50°	15.9	12.7	10.3	7.3	7.8	7.3	7.3
47.5°	17.7	14.2	11.2	7.5	8.0	7.3	7.3
45°	19.4	15.6	12.1	8.1	8.2	7.3	7.3
42.5°	21.1	17.0	13.0	8.8	8.4	7.3	7.3
40°	22.7	18.4	14.0	9.7	8.7	7.3	7.3
37.5°	24.3	19.7	15.1	10.7	9.0	7.3	7.3
35°	25.9	21.0	16.1	11.7	9.3	7.3	7.3
32.5°	27.6	22.2	17.1	12.6	9.6	7.3	7.3
30°	29.8	23.4	18.0	13.5	10.0	7.3	7.3
27.5°	31.9	24.5	19.2	14.4	10.4	7.3	7.3
25°	34.1	25.6	20.3	15.3	10.8	7.3	7.3
22.5°	36.2	26.8	21.4	16.1	11.2	7.3	7.3
20°	38.3	28.1	22.5	16.9	11.6	7.3	7.3
17.5°	40.4	29.4	23.5	17.7	12.0	7.3	7.3
15°	42.5	30.6	24.5	18.4	12.4	7.3	7.3
12.5°	44.4	31.8	25.5	19.1	12.8	7.3	7.3
10°	46.1	32.9	26.4	19.8	13.2	7.3	7.3
7.5°	47.7	34.0	27.2	20.4	13.6	7.3	7.3
5°	49.1	34.9	28.0	21.0	14.0	7.3	7.3
2.5°	50.3	35.9	28.7	21.5	14.4	7.3	7.3
0°	51.4	36.7	29.4	22.0	14.7	7.3	7.3
-2.5°	54.2	37.5	30.0	22.0	14.7	7.3	7.3
-5°	56.9	38.2	30.6	21.9	14.6	7.3	7.3
-7.5°	59.1	38.8	31.0	21.8	14.6	7.3	7.3
-10°	61.0	39.4	31.3	21.7	14.5	7.3	7.3
-12.5°	62.4	39.8	31.6	21.5	14.3	7.3	7.3
-15°	63.3	40.2	31.7	21.2	14.2	7.3	7.3
-17.5°	63.7	40.6	31.6	21.0	14.0	7.3	7.3
-20°	65.3	40.8	31.4	20.7	13.8	7.3	7.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627690 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	69.5	41.0	31.0	20.3	13.6	7.3	7.3
-25°	72.9	43.7	30.5	19.9	13.3	7.3	7.3
-27.5°	75.6	47.1	29.7	19.5	13.0	7.3	7.3
-30°	77.4	50.0	29.0	19.1	12.7	7.3	7.3
-32.5°	78.4	52.5	30.1	18.6	12.4	7.3	7.3
-35°	80.5	54.4	30.8	18.0	12.0	7.3	7.3
-37.5°	82.7	55.6	31.4	17.5	11.6	7.3	7.3
-40°	84.0	56.0	31.6	16.9	11.2	7.3	7.3
-42.5°	84.4	56.0	31.8	16.5	10.8	7.3	7.3
-45°	84.0	55.6	32.0	16.6	10.4	7.3	7.3
-47.5°	82.7	54.8	31.7	16.5	9.9	7.3	7.3
-50°	81.0	53.5	31.2	16.3	9.4	7.3	7.3
-52.5°	78.7	51.8	30.2	16.0	8.9	7.3	7.3
-55°	75.9	49.7	28.9	15.5	8.4	7.3	7.3
-57.5°	72.5	47.0	27.3	15.0	7.8	7.3	7.3
-60°	68.5	43.8	25.4	14.3	7.3	7.3	7.3
-62.5°	63.0	40.1	24.0	13.5	7.3	7.3	7.3
-65°	56.8	35.9	22.4	12.6	7.3	7.3	7.3
-67.5°	50.0	32.3	20.7	11.6	7.3	7.3	7.3
-70°	42.5	29.3	18.8	10.6	7.3	7.3	7.3
-72.5°	37.5	26.1	16.8	10.3	7.3	7.3	7.3
-75°	32.7	22.8	14.6	10.2	7.3	7.3	7.3
-77.5°	27.6	19.2	13.8	10.1	7.3	7.3	7.3
-80°	22.3	17.3	13.3	10.0	7.3	7.3	7.3
-82.5°	20.2	16.3	12.8	9.8	7.3	7.3	7.3
-85°	18.4	15.2	12.2	9.6	7.3	7.3	7.3
-87.5°	16.6	14.0	11.6	9.4	7.3	7.3	7.3
-90°	7.3	7.3	7.3	7.3	7.3	7.3	7.3

(END OF REPORT)