

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: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

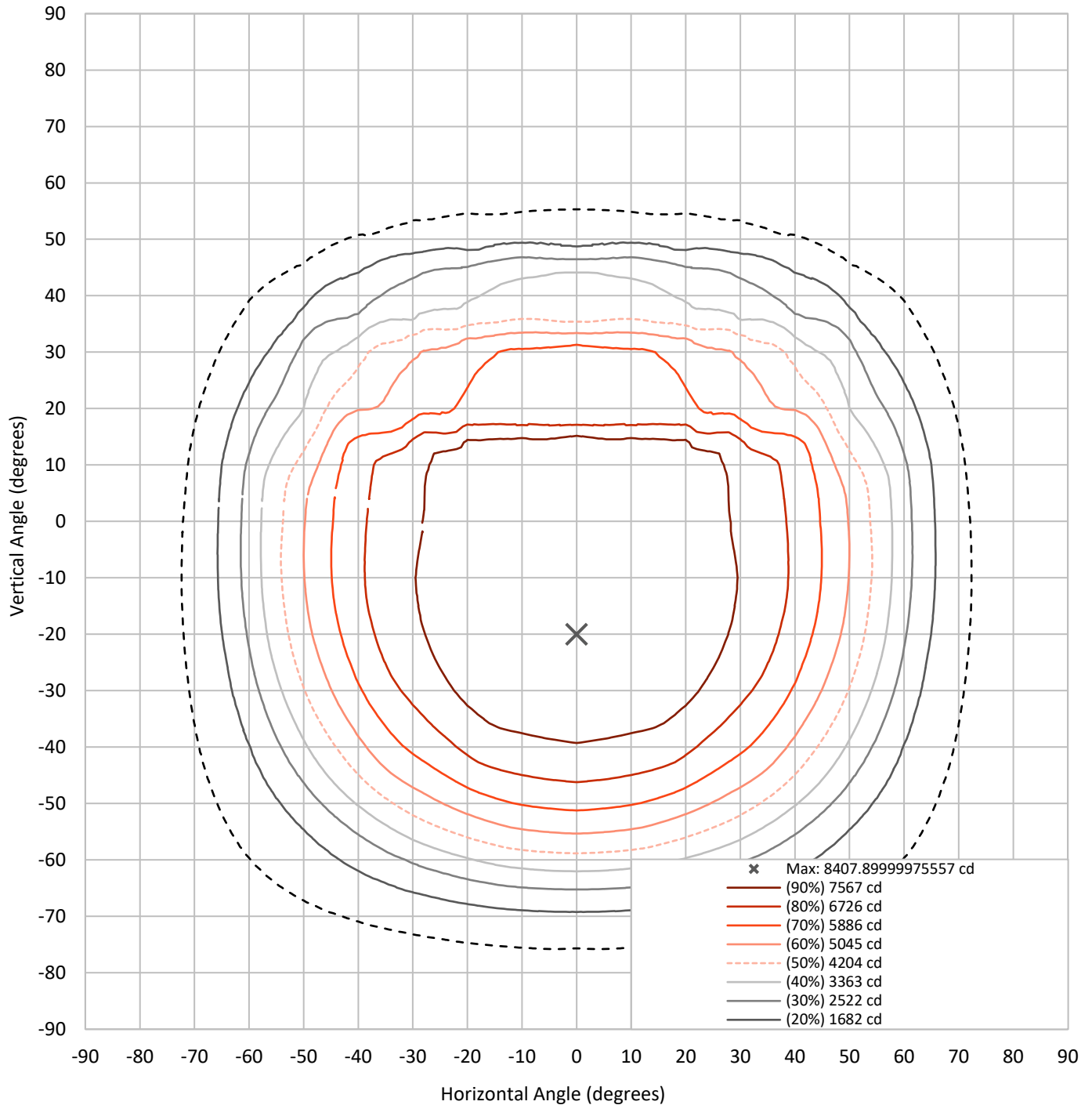
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19715 lumens	Max Intensity:	8407.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	72.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	15412 lumens	Field Lumens:	19323.4 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
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: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

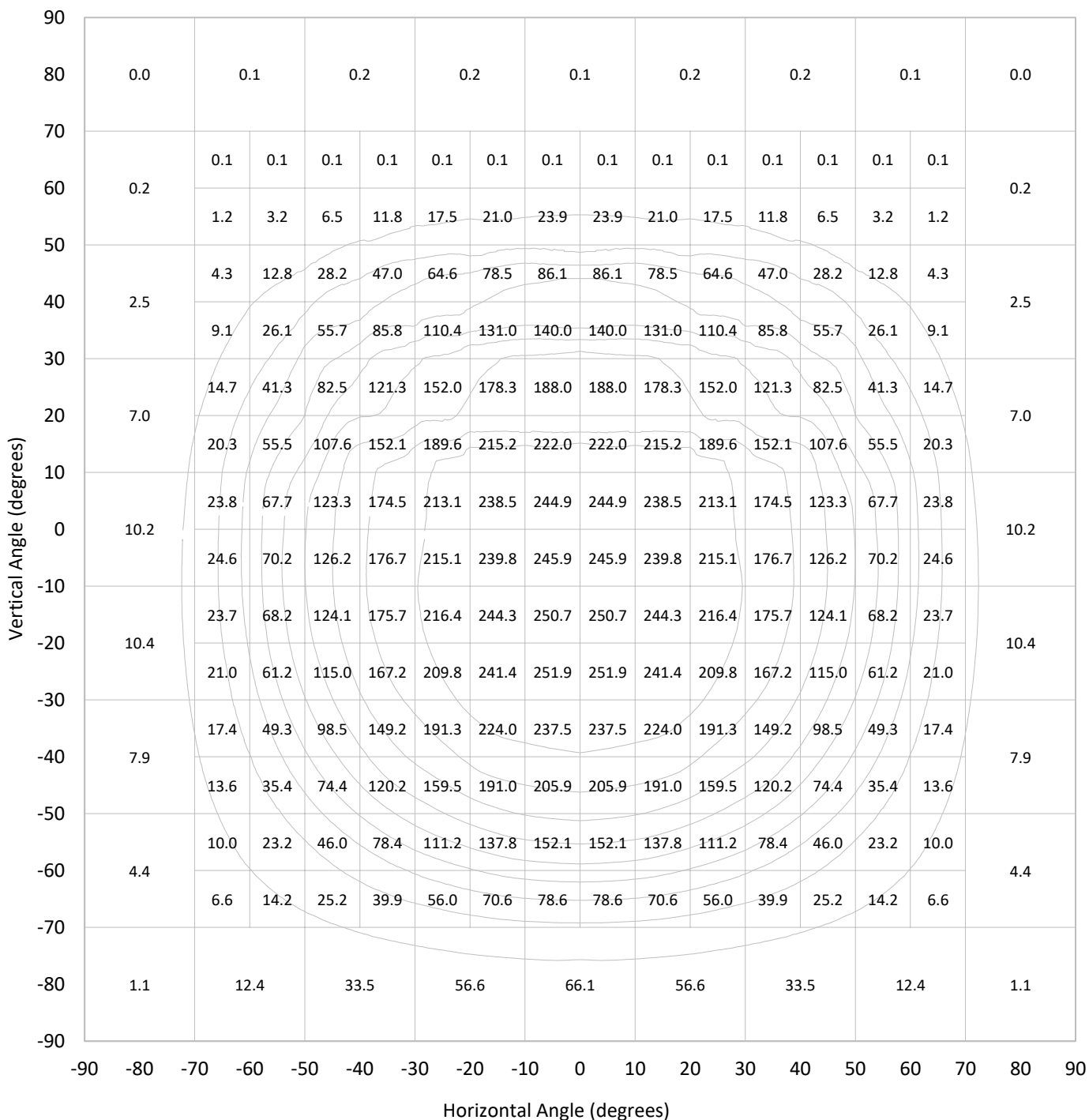
Iso-Candela Plot





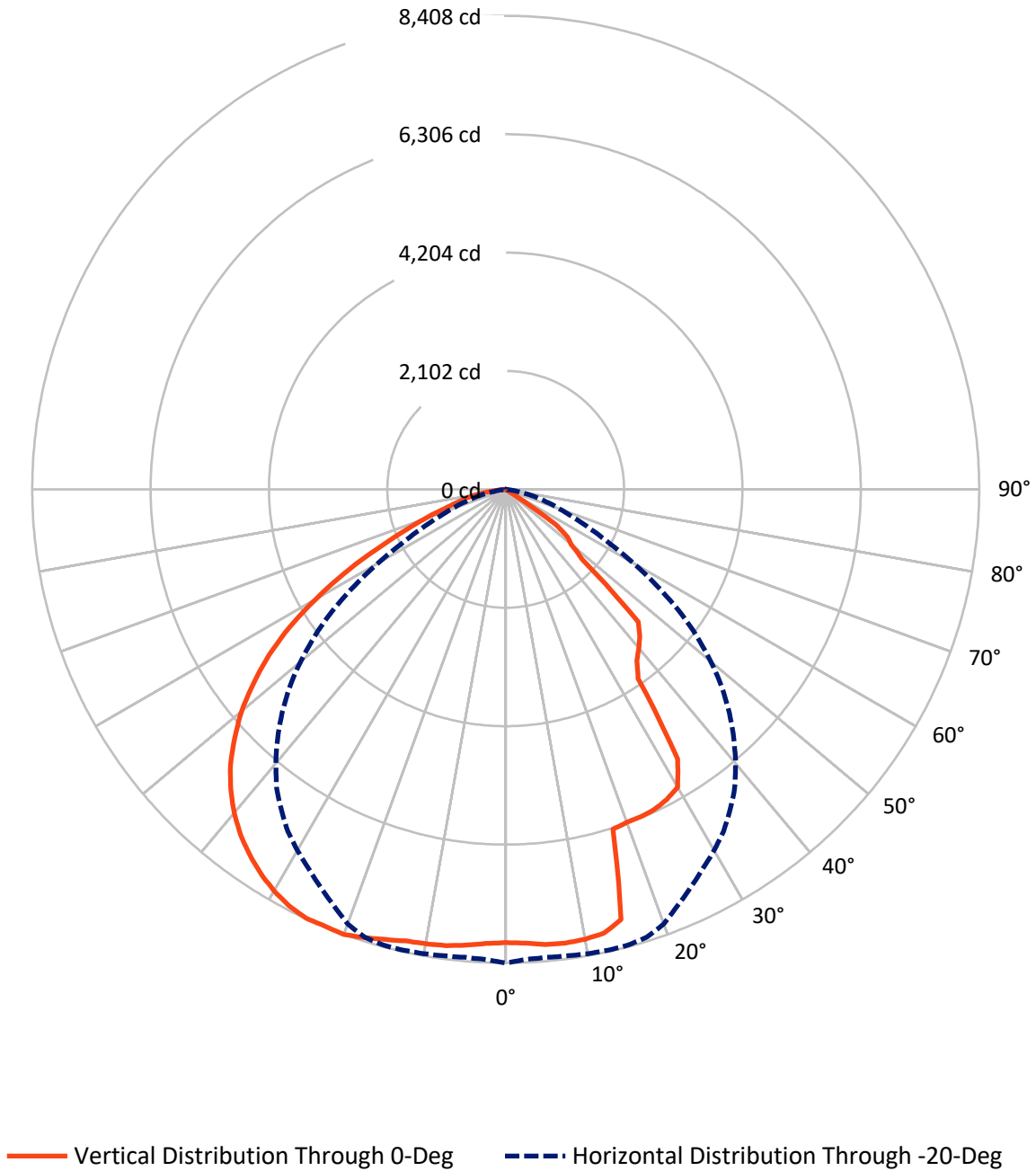
REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

Lumen Table



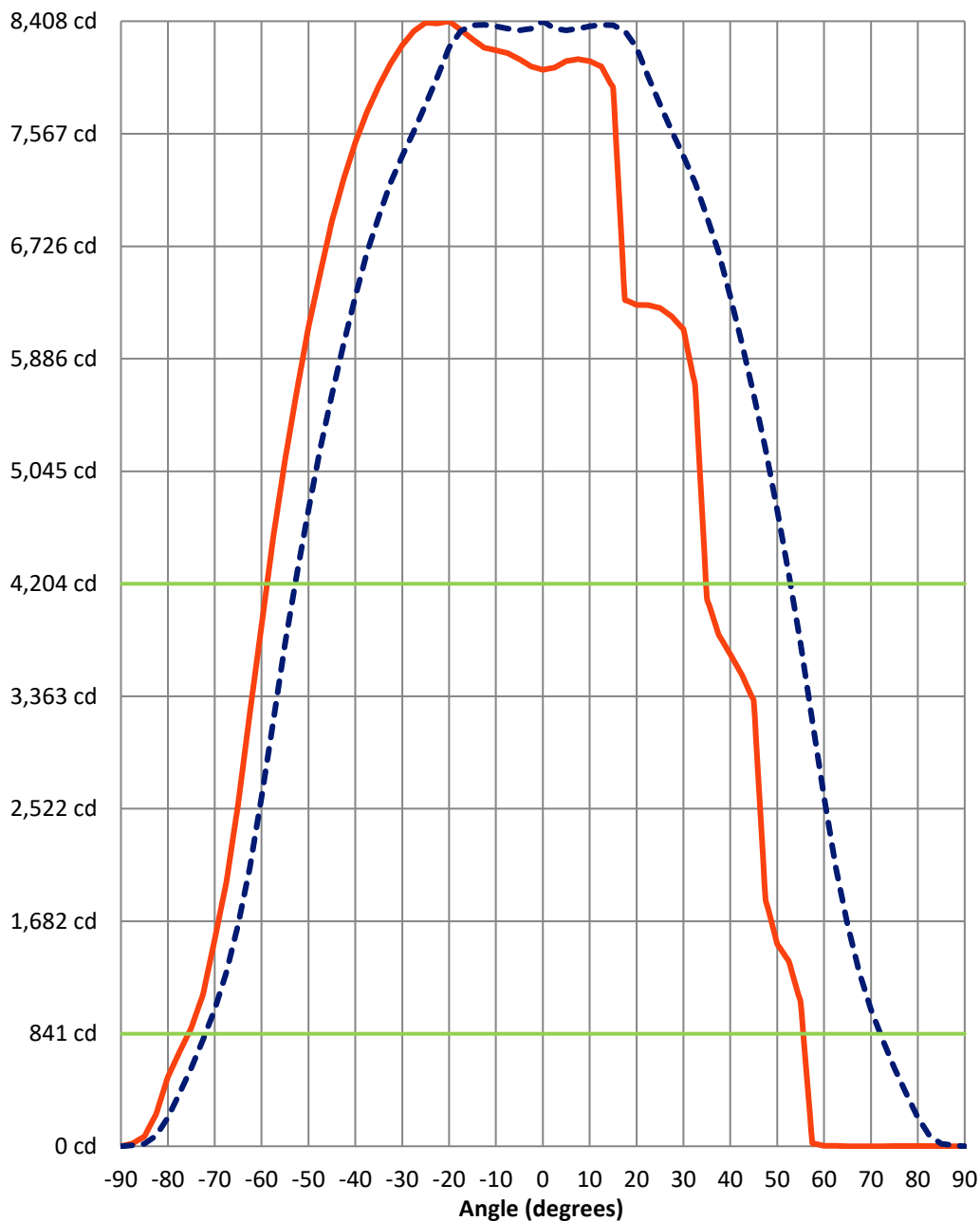
REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

Luminous Intensity Polar Plot



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 15412
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 19323.4
 Efficiency: 98.0%

Spill:
 Lumens: 391.5
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -20-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

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	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.8
85°	0.0	0.4	0.6	0.9	1.2	1.6	1.9	1.9	1.9	1.7	1.5
82.5°	0.0	0.6	0.9	1.4	1.9	2.3	2.8	2.9	2.7	2.3	1.8
80°	0.0	0.8	1.3	1.9	2.5	3.1	3.6	3.2	2.8	2.3	1.9
77.5°	0.0	1.0	1.6	2.3	3.1	3.6	3.6	3.2	2.8	2.3	1.9
75°	0.0	1.2	1.9	2.8	3.6	3.7	3.6	3.3	2.8	2.4	1.9
72.5°	0.0	1.4	2.2	3.2	3.8	3.9	3.7	3.3	2.9	2.4	2.0
70°	0.0	1.6	2.5	3.6	4.0	4.0	3.8	3.3	2.9	2.5	2.9
67.5°	0.0	1.7	2.9	3.8	4.1	4.2	4.2	3.4	3.0	4.0	4.1
65°	0.0	1.9	3.2	4.0	4.3	4.8	4.8	3.4	4.8	5.6	7.1
62.5°	0.0	2.1	3.5	4.2	4.5	5.9	5.6	4.8	6.7	9.8	15.7
60°	0.0	2.3	3.8	4.4	4.7	7.2	6.6	6.8	8.6	24.9	27.1
57.5°	0.0	2.5	4.0	4.5	6.1	8.6	12.3	9.6	24.4	42.3	49.2
55°	0.0	2.7	4.2	4.7	7.6	10.2	19.6	15.5	45.3	65.3	79.7
52.5°	0.0	2.9	4.4	4.9	9.2	13.1	28.1	39.3	67.9	102.6	115.6
50°	0.0	3.0	4.7	5.1	10.8	22.3	37.9	66.4	97.2	143.9	180.5
47.5°	0.0	3.2	4.9	5.6	12.5	32.2	50.9	94.9	140.0	189.6	246.8
45°	0.0	3.4	5.1	7.0	14.3	42.8	76.8	124.6	188.0	247.0	311.2
42.5°	0.0	3.5	5.3	8.3	16.1	54.1	103.3	162.3	236.8	303.0	385.5
40°	0.0	3.7	5.5	10.1	21.7	66.1	130.5	205.2	287.1	357.9	465.0
37.5°	0.0	3.8	5.8	12.2	31.1	78.7	158.1	248.2	339.8	423.9	548.0
35°	0.0	4.0	6.0	14.6	40.6	97.8	186.2	291.2	393.3	504.9	646.2
32.5°	0.0	4.1	6.2	17.3	50.2	119.9	216.6	334.1	447.5	586.5	765.5
30°	0.0	4.3	6.5	20.1	59.9	141.8	251.4	377.3	502.2	668.2	880.0
27.5°	0.0	4.4	6.7	23.1	71.9	163.6	285.5	422.3	562.3	749.8	989.5
25°	0.0	4.5	6.9	26.3	84.2	184.9	318.8	466.8	630.1	838.9	1093.8
22.5°	0.0	4.7	7.2	29.6	96.5	206.7	351.1	510.7	696.6	928.0	1199.4
20°	0.0	4.8	7.4	33.1	108.6	230.1	382.3	553.6	761.3	1012.1	1302.5
17.5°	0.0	4.9	7.6	36.6	120.5	252.7	413.2	595.2	824.0	1090.9	1402.3
15°	0.0	5.0	7.9	40.1	132.2	274.4	442.9	634.0	884.2	1164.5	1498.2
12.5°	0.0	5.1	8.1	43.6	143.4	295.1	470.7	668.5	932.3	1232.6	1589.4
10°	0.0	5.2	8.3	47.0	154.2	314.7	496.5	700.3	968.1	1273.5	1663.7
7.5°	0.0	5.2	8.5	50.3	164.4	333.0	520.1	729.3	998.6	1305.1	1707.1
5°	0.0	5.3	8.7	53.5	173.9	349.9	541.7	755.4	1024.1	1330.7	1742.4
2.5°	0.0	5.4	8.8	56.5	182.5	365.2	561.0	778.6	1044.7	1350.3	1769.4
0°	0.0	5.4	9.0	59.2	190.3	378.8	578.0	798.8	1060.9	1364.2	1787.9
-2.5°	0.0	5.7	10.4	63.1	197.5	387.4	586.5	810.6	1066.7	1381.8	1800.0
-5°	0.0	6.0	11.8	66.6	203.7	394.2	592.6	819.2	1068.7	1393.3	1803.8
-7.5°	0.0	6.3	13.1	69.8	208.7	399.2	596.6	824.6	1067.2	1397.9	1799.8
-10°	0.0	6.5	14.4	72.6	212.5	402.3	598.4	826.6	1062.6	1395.2	1788.4
-12.5°	0.0	6.8	15.7	74.9	215.0	403.5	598.1	825.2	1055.3	1383.9	1768.7
-15°	0.0	7.0	16.8	76.7	216.3	402.9	595.7	820.4	1046.9	1362.0	1740.3
-17.5°	0.0	7.2	17.9	78.1	216.1	400.5	591.4	810.5	1036.7	1334.6	1703.2
-20°	0.0	7.4	18.9	78.9	214.5	396.3	584.6	796.4	1022.3	1301.9	1657.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	7.5	19.8	79.1	211.5	390.2	574.8	779.4	1003.4	1264.2	1603.2
-25°	0.0	7.6	20.6	78.8	207.0	380.8	562.8	759.7	980.1	1221.8	1540.4
-27.5°	0.0	7.7	21.2	77.8	201.0	369.1	548.5	737.3	952.3	1180.7	1484.7
-30°	0.0	7.8	21.8	76.2	193.4	355.8	531.9	712.4	921.9	1145.9	1425.2
-32.5°	0.0	7.8	22.2	74.0	184.7	341.0	513.2	689.3	889.7	1105.8	1361.6
-35°	0.0	7.8	22.5	71.1	174.9	324.5	492.9	665.0	854.8	1060.3	1294.2
-37.5°	0.0	7.7	22.7	67.5	164.1	308.0	471.1	638.2	817.5	1009.5	1227.5
-40°	0.0	7.7	22.7	63.3	152.4	293.1	447.6	608.8	777.7	961.4	1161.8
-42.5°	0.0	7.5	22.5	58.8	143.5	277.0	422.5	577.0	739.4	910.7	1090.9
-45°	0.0	7.4	22.3	54.2	137.4	260.0	395.8	544.1	700.1	856.6	1017.5
-47.5°	0.0	7.2	21.9	48.9	130.2	242.0	367.5	511.1	658.1	799.9	954.0
-50°	0.0	7.0	21.3	47.2	122.0	223.0	343.9	476.6	611.6	747.8	887.5
-52.5°	0.0	6.7	20.6	46.2	112.7	203.1	320.3	440.4	567.1	694.2	819.4
-55°	0.0	6.5	19.8	44.8	102.4	188.0	295.8	403.9	522.5	639.1	758.8
-57.5°	0.0	6.1	18.9	42.8	91.1	172.7	270.3	374.8	476.3	586.3	696.9
-60°	0.0	5.8	17.8	40.4	79.3	156.0	244.5	342.7	430.1	532.9	635.1
-62.5°	0.0	5.4	16.7	37.5	73.6	138.0	220.9	307.8	387.3	478.1	574.6
-65°	0.0	5.0	15.5	34.2	67.2	118.8	195.6	271.5	342.0	423.0	512.6
-67.5°	0.0	4.6	14.2	30.5	60.0	102.7	168.7	235.5	294.3	365.6	445.7
-70°	0.0	4.1	12.9	26.5	52.2	89.8	140.4	198.7	251.6	305.5	374.4
-72.5°	0.0	3.7	11.4	23.3	43.8	76.1	118.8	161.1	208.1	255.8	304.1
-75°	0.0	3.2	9.9	20.3	34.9	61.4	97.1	129.8	163.8	205.4	247.5
-77.5°	0.0	2.7	8.4	17.1	28.8	46.1	74.4	100.4	127.4	156.7	190.0
-80°	0.0	2.2	6.8	13.8	23.3	35.1	50.8	70.3	91.2	113.9	138.2
-82.5°	0.0	1.6	5.1	10.4	17.6	26.6	37.3	45.1	54.5	70.5	87.7
-85°	0.0	1.1	3.4	7.0	11.8	17.8	25.0	30.2	35.5	41.1	46.9
-87.5°	0.0	0.5	1.7	3.5	5.9	8.9	12.5	15.1	17.8	20.6	23.5
-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: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

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°	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.4
85°	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	2.1	2.3	2.3	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	2.8	2.9	2.5	2.1	1.8	1.9	2.1	2.0	1.8	1.8	1.8
67.5°	3.5	3.0	2.6	2.5	2.5	2.7	2.6	2.2	1.8	1.8	1.9
65°	3.6	3.1	4.5	5.1	3.8	3.2	2.8	2.3	2.5	2.6	2.6
62.5°	5.4	6.7	8.6	15.2	11.4	3.3	5.9	7.0	5.1	4.3	4.6
60°	17.5	11.9	35.4	50.7	31.6	11.5	14.1	46.9	40.7	7.5	25.4
57.5°	36.9	50.6	93.2	94.8	65.6	45.2	131.7	152.1	115.1	67.1	102.7
55°	81.2	124.7	154.5	143.0	156.1	236.5	281.0	252.4	212.5	326.9	417.7
52.5°	158.6	203.0	213.1	244.6	350.2	402.3	385.5	412.3	534.7	664.1	692.1
50°	234.0	270.4	298.7	431.9	514.5	519.7	558.1	679.3	842.6	921.7	902.6
47.5°	307.0	344.7	476.7	604.6	641.7	692.5	788.4	1022.4	1195.3	1198.7	1179.1
45°	384.2	484.8	653.2	736.7	796.8	895.1	1126.7	1449.5	1466.2	1513.1	1801.6
42.5°	466.8	643.0	789.9	876.7	973.9	1157.4	1466.4	1678.1	1751.0	1956.3	2188.3
40°	600.5	795.8	924.1	1035.1	1160.2	1427.8	1766.2	1964.6	2023.8	2201.6	2375.9
37.5°	736.1	923.4	1067.2	1201.1	1374.4	1735.6	2127.2	2290.8	2320.8	2353.3	2739.7
35°	866.8	1054.2	1226.5	1401.7	1614.2	2134.2	2476.4	2630.3	2625.5	2844.9	3249.5
32.5°	988.9	1188.0	1391.3	1625.6	1976.3	2509.0	2851.3	2943.5	3083.2	3402.4	3954.8
30°	1110.8	1337.2	1570.7	1849.8	2294.0	2755.7	3146.6	3294.8	3534.2	3898.6	4300.6
27.5°	1236.5	1490.3	1772.5	2099.7	2544.8	2969.2	3303.1	3657.2	3889.8	4216.3	4502.3
25°	1361.6	1652.2	1971.8	2318.0	2724.0	3119.6	3464.9	3873.9	4123.6	4386.9	4653.7
22.5°	1492.8	1816.5	2177.4	2491.1	2875.2	3247.5	3658.5	4102.2	4426.9	4594.2	4773.3
20°	1630.0	1994.2	2379.1	2726.7	3024.4	3366.2	3852.9	4391.9	4811.2	4999.4	5023.9
17.5°	1765.1	2166.3	2580.2	2956.5	3277.5	3581.8	4057.0	4739.1	5260.4	5435.4	5513.2
15°	1897.0	2331.9	2780.3	3180.1	3532.5	3904.7	4412.1	5105.7	5701.8	5895.4	6017.8
12.5°	2024.2	2489.8	2977.0	3396.3	3787.7	4205.2	4734.6	5369.5	5913.6	6288.1	6512.8
10°	2145.5	2638.9	3168.0	3603.9	4040.0	4483.9	5001.4	5566.0	6008.9	6370.2	6689.1
7.5°	2206.6	2736.4	3332.0	3801.4	4286.0	4741.5	5219.9	5704.6	6077.6	6431.9	6740.3
5°	2248.2	2776.4	3383.3	3870.2	4416.7	4913.4	5377.8	5795.6	6122.4	6473.6	6774.8
2.5°	2277.9	2802.3	3418.0	3907.9	4465.9	4966.2	5423.3	5825.9	6159.4	6503.4	6811.9
0°	2295.8	2814.6	3435.7	3931.1	4496.6	5001.0	5449.7	5837.4	6183.9	6517.8	6849.8
-2.5°	2306.0	2852.3	3447.5	3990.7	4526.3	5030.9	5486.7	5865.2	6227.2	6544.9	6877.8
-5°	2304.7	2874.7	3444.4	4030.7	4540.5	5042.6	5505.2	5877.8	6250.7	6565.2	6889.2
-7.5°	2292.2	2879.9	3428.8	4043.3	4541.1	5038.7	5497.0	5883.8	6250.3	6583.9	6890.3
-10°	2269.9	2859.6	3414.5	4010.8	4523.7	5018.2	5472.2	5870.5	6235.7	6580.1	6884.3
-12.5°	2243.6	2817.6	3384.6	3964.1	4488.2	4980.1	5434.6	5836.9	6208.4	6551.9	6870.6
-15°	2204.1	2761.8	3335.4	3904.8	4434.4	4924.5	5385.7	5782.0	6166.3	6502.7	6829.8
-17.5°	2151.1	2692.6	3266.2	3834.4	4361.8	4852.1	5322.9	5709.6	6092.0	6439.7	6755.3
-20°	2084.2	2610.7	3176.3	3754.4	4269.6	4754.8	5210.9	5615.9	5995.8	6349.4	6681.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2003.4	2516.4	3068.1	3646.4	4154.7	4634.3	5085.0	5496.5	5890.2	6232.2	6585.7
-25°	1922.4	2416.9	2948.4	3496.9	4021.1	4498.7	4950.8	5351.7	5754.0	6109.8	6445.5
-27.5°	1844.9	2301.3	2809.6	3332.3	3869.8	4345.1	4793.1	5194.3	5584.9	5973.8	6297.1
-30°	1757.8	2167.7	2657.3	3156.7	3680.6	4164.6	4615.9	5032.2	5403.9	5787.9	6135.0
-32.5°	1661.7	2025.9	2496.5	2976.9	3470.9	3965.6	4412.7	4826.2	5212.9	5576.2	5940.5
-35°	1567.8	1911.4	2326.2	2783.9	3248.8	3734.1	4181.5	4591.0	4992.4	5352.2	5700.4
-37.5°	1483.4	1787.4	2145.1	2582.3	3026.6	3485.6	3940.7	4337.1	4719.0	5114.7	5454.2
-40°	1392.0	1654.2	1988.2	2374.7	2793.4	3229.9	3665.7	4075.7	4434.8	4825.8	5199.2
-42.5°	1296.2	1545.8	1833.5	2155.0	2550.2	2961.7	3382.4	3783.5	4156.3	4525.2	4895.2
-45°	1212.4	1431.0	1676.1	1969.8	2291.6	2678.6	3076.9	3476.8	3834.5	4186.0	4551.5
-47.5°	1123.2	1315.6	1542.2	1776.8	2056.5	2380.2	2754.7	3123.5	3489.7	3824.2	4147.6
-50°	1034.5	1211.7	1397.9	1609.1	1840.0	2102.3	2413.4	2756.2	3090.8	3434.1	3754.4
-52.5°	957.9	1102.5	1270.7	1447.0	1644.6	1861.7	2110.9	2392.5	2696.7	2988.1	3307.7
-55°	878.5	1008.9	1144.7	1299.8	1464.3	1647.5	1851.7	2088.4	2320.6	2590.1	2851.0
-57.5°	806.1	916.0	1031.8	1160.0	1302.8	1449.4	1628.0	1812.1	2022.7	2232.2	2438.8
-60°	737.8	827.6	925.9	1034.4	1149.2	1279.7	1413.0	1571.1	1740.7	1907.9	2083.2
-62.5°	669.0	744.5	824.6	914.7	1014.8	1113.5	1227.3	1349.1	1473.9	1615.6	1753.8
-65°	598.2	659.3	727.2	801.9	881.8	965.8	1053.2	1143.4	1249.6	1353.5	1454.0
-67.5°	523.1	575.3	630.2	689.1	756.1	822.0	887.8	964.0	1042.3	1119.1	1198.8
-70°	439.7	489.0	534.8	582.5	632.3	684.0	740.2	796.1	851.2	908.8	972.8
-72.5°	355.0	400.4	440.6	475.9	516.8	559.7	600.8	640.0	681.7	725.4	768.7
-75°	283.1	313.1	349.1	381.9	414.5	444.7	471.8	505.1	539.8	571.6	597.7
-77.5°	221.0	248.2	272.8	294.8	320.7	351.0	377.5	400.1	422.2	446.2	471.7
-80°	160.8	183.4	205.8	226.2	241.1	258.2	278.5	301.6	321.7	338.0	352.9
-82.5°	103.8	120.1	136.8	153.8	160.7	165.4	169.9	177.9	190.3	202.6	214.3
-85°	51.7	56.4	66.6	77.1	80.7	83.2	85.0	85.9	90.1	94.0	97.4
-87.5°	25.9	28.2	30.6	32.9	31.7	30.0	27.9	25.4	24.8	24.1	23.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-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°	1.5	1.5	1.6	1.6	1.6	1.3	0.8	0.4	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.3	0.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.2
65°	2.5	2.5	2.6	2.5	2.2	2.1	2.2	2.2	2.0	1.6	1.1
62.5°	4.5	5.1	4.0	4.0	3.9	3.8	3.6	3.4	3.2	3.0	3.2
60°	28.1	16.6	9.7	11.4	10.2	6.8	8.6	10.1	10.3	9.4	8.3
57.5°	156.0	116.5	86.2	205.9	206.6	98.6	118.8	186.7	153.8	50.5	46.9
55°	434.0	519.1	683.2	649.0	659.5	758.6	828.3	733.3	718.9	766.0	884.9
52.5°	779.8	860.9	916.1	967.7	1030.6	1098.2	1167.7	1212.1	1253.4	1297.6	1323.8
50°	995.8	1110.1	1188.6	1159.7	1322.4	1388.9	1321.4	1381.8	1455.5	1475.6	1485.1
47.5°	1470.3	1638.0	1671.3	1779.3	1876.3	1874.3	1791.9	1796.6	2016.0	2209.4	2304.4
45°	2113.1	2118.8	2224.2	2415.0	2551.3	2508.4	2623.4	2885.0	2972.1	3056.2	3125.3
42.5°	2363.5	2467.3	2635.5	2804.2	2905.8	2994.0	3079.1	3175.2	3288.3	3380.0	3453.3
40°	2606.0	2689.6	2861.9	2997.7	3081.9	3164.2	3263.4	3369.9	3473.4	3553.9	3608.9
37.5°	2979.2	3044.0	3086.0	3212.0	3371.2	3297.7	3486.1	3621.1	3682.8	3764.6	3772.0
35°	3543.8	3500.7	3444.8	3946.7	3976.7	3807.2	3983.3	4192.6	4082.3	4312.1	4435.7
32.5°	4044.4	4037.9	4475.9	4739.8	4588.0	4711.9	5117.8	5099.9	5370.5	5496.0	5460.2
30°	4515.9	4676.8	4930.2	5126.6	5153.0	5348.3	5528.6	5686.5	5849.9	5996.3	6006.4
27.5°	4755.3	4965.3	5137.2	5250.9	5377.8	5542.2	5705.8	5883.7	6022.6	6114.5	6136.9
25°	4900.1	5114.6	5244.8	5367.2	5507.3	5649.1	5832.3	6026.0	6137.6	6194.2	6212.3
22.5°	5027.7	5220.5	5360.5	5459.8	5610.5	5763.2	5933.9	6097.9	6219.2	6243.9	6252.9
20°	5150.6	5335.9	5569.6	5715.8	5708.6	5880.5	6045.1	6175.5	6276.6	6276.0	6278.4
17.5°	5506.2	5572.3	5996.5	6318.6	6159.2	6075.1	6527.7	6536.3	6563.1	6509.7	6393.9
15°	6032.5	6152.9	6674.1	7023.3	6913.4	6907.6	7561.3	7399.2	7538.7	7502.2	7659.3
12.5°	6590.1	6732.6	7122.1	7465.0	7628.3	7668.5	7886.9	8091.5	8133.5	8116.9	8086.1
10°	6969.9	7172.9	7329.3	7537.5	7702.3	7870.4	7996.9	8143.8	8191.9	8164.1	8124.8
7.5°	7019.4	7220.0	7403.7	7586.3	7743.2	7878.7	8010.0	8129.6	8178.6	8162.4	8135.4
5°	7050.8	7232.6	7410.6	7595.9	7746.0	7871.5	8002.3	8123.5	8152.4	8132.9	8106.6
2.5°	7070.2	7238.5	7410.1	7594.6	7730.9	7850.4	7982.8	8112.1	8111.8	8103.3	8087.9
0°	7079.6	7248.3	7447.6	7614.5	7767.1	7880.2	8011.2	8136.9	8127.9	8104.6	8077.7
-2.5°	7099.8	7270.7	7474.1	7612.4	7784.5	7888.0	8023.4	8132.3	8128.1	8116.6	8103.3
-5°	7117.8	7310.0	7500.3	7645.8	7818.2	7953.6	8088.2	8173.4	8177.9	8161.9	8139.4
-7.5°	7128.8	7341.9	7523.4	7669.5	7836.7	7994.2	8130.8	8220.1	8222.0	8200.8	8174.0
-10°	7125.1	7350.1	7536.9	7687.9	7859.2	8014.7	8157.5	8270.7	8267.0	8246.8	8223.9
-12.5°	7111.7	7336.4	7528.2	7679.7	7874.2	8034.3	8194.9	8307.5	8313.5	8298.3	8273.5
-15°	7082.1	7314.1	7500.7	7666.1	7856.7	8043.9	8208.9	8333.1	8355.3	8342.9	8323.3
-17.5°	7023.6	7268.5	7466.3	7644.6	7827.5	8027.0	8214.7	8350.5	8380.8	8375.9	8359.7
-20°	6946.8	7199.5	7400.4	7587.2	7786.2	7991.7	8210.2	8334.3	8378.3	8381.1	8370.1



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6860.6	7107.9	7321.1	7504.7	7720.6	7928.6	8126.4	8271.8	8345.6	8359.4	8360.3
-25°	6757.2	7011.4	7223.1	7418.7	7619.4	7834.3	8034.2	8196.5	8271.3	8307.1	8318.3
-27.5°	6611.1	6873.9	7082.3	7288.9	7493.1	7715.1	7925.1	8101.6	8162.5	8211.7	8231.5
-30°	6440.0	6699.9	6912.3	7101.2	7334.9	7561.2	7778.0	7932.0	8023.8	8080.1	8110.8
-32.5°	6243.3	6505.6	6728.6	6925.8	7147.9	7374.1	7578.1	7740.5	7867.2	7932.1	7965.0
-35°	6029.9	6297.7	6531.1	6739.0	6948.1	7163.7	7375.0	7544.9	7689.3	7745.0	7786.2
-37.5°	5772.5	6067.9	6307.3	6521.7	6720.4	6923.1	7143.1	7337.4	7477.5	7531.6	7575.0
-40°	5508.6	5794.1	6035.5	6264.2	6460.6	6682.0	6894.0	7097.6	7219.1	7282.2	7331.4
-42.5°	5230.0	5488.0	5717.5	5939.6	6158.3	6386.3	6598.1	6809.6	6914.8	6990.9	7051.2
-45°	4908.4	5148.4	5371.6	5579.4	5804.8	6028.9	6240.9	6427.9	6553.0	6652.0	6729.0
-47.5°	4479.6	4772.0	4996.0	5193.7	5417.3	5633.4	5838.8	6014.7	6151.9	6267.7	6357.2
-50°	4044.2	4324.8	4577.4	4799.5	5006.9	5206.8	5402.3	5574.3	5719.5	5845.0	5935.7
-52.5°	3615.3	3878.2	4128.9	4358.2	4557.6	4746.3	4925.1	5098.2	5251.3	5385.5	5473.2
-55°	3130.8	3403.1	3651.1	3864.9	4064.1	4250.6	4427.3	4591.4	4742.1	4878.8	4962.8
-57.5°	2676.2	2915.1	3145.9	3343.2	3531.2	3708.8	3876.3	4033.4	4178.5	4307.1	4388.1
-60°	2258.4	2432.6	2631.1	2813.3	2980.0	3131.2	3287.4	3433.9	3567.2	3680.2	3755.7
-62.5°	1889.0	2033.4	2176.7	2315.3	2450.5	2586.4	2717.1	2838.6	2950.0	3042.7	3108.8
-65°	1560.0	1676.0	1779.6	1877.9	1971.5	2078.6	2178.1	2271.6	2358.2	2429.2	2479.6
-67.5°	1284.5	1366.0	1437.7	1505.1	1579.0	1654.7	1725.6	1787.5	1840.3	1882.4	1915.7
-70°	1035.9	1095.8	1149.9	1203.6	1257.5	1306.8	1353.7	1399.2	1442.4	1477.7	1504.1
-72.5°	811.3	852.2	889.0	930.4	969.2	1006.5	1039.0	1065.3	1085.7	1105.5	1122.8
-75°	618.5	649.3	690.8	725.8	754.8	780.4	804.0	824.9	843.3	859.6	873.9
-77.5°	497.5	523.6	550.0	575.6	600.4	618.7	635.8	652.9	669.7	684.1	696.9
-80°	368.7	388.2	408.6	429.1	449.6	459.8	467.9	475.4	482.0	490.6	498.7
-82.5°	225.4	236.5	247.8	259.3	270.8	273.7	274.7	274.4	272.9	269.8	265.0
-85°	100.3	100.9	100.6	99.5	97.6	93.6	88.7	83.1	76.8	75.8	74.6
-87.5°	22.1	21.6	21.0	20.3	19.5	19.4	19.4	19.2	19.0	19.7	20.3
-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: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.0	0.0	1.0	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.6	1.8	1.8
65°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.2
62.5°	3.3	3.4	3.6	3.6	3.6	3.4	3.3	3.2	3.0	3.2	3.4
60°	6.5	4.3	3.6	3.6	3.6	4.3	6.5	8.3	9.4	10.3	10.1
57.5°	39.6	29.6	25.1	23.3	25.1	29.6	39.6	46.9	50.5	153.8	186.7
55°	970.0	1019.4	1056.3	1073.4	1056.3	1019.4	970.0	884.9	766.0	718.9	733.3
52.5°	1346.9	1368.5	1380.8	1380.4	1380.8	1368.5	1346.9	1323.8	1297.6	1253.4	1212.1
50°	1501.4	1511.8	1515.5	1513.2	1515.5	1511.8	1501.4	1485.1	1475.6	1455.5	1381.8
47.5°	2217.6	2025.7	1884.6	1850.7	1884.6	2025.7	2217.6	2304.4	2209.4	2016.0	1796.6
45°	3158.4	3231.2	3303.7	3326.2	3303.7	3231.2	3158.4	3125.3	3056.2	2972.1	2885.0
42.5°	3484.2	3507.9	3521.3	3521.9	3521.3	3507.9	3484.2	3453.3	3380.0	3288.3	3175.2
40°	3639.6	3662.0	3675.0	3676.2	3675.0	3662.0	3639.6	3608.9	3553.9	3473.4	3369.9
37.5°	3780.9	3799.9	3812.4	3825.2	3812.4	3799.9	3780.9	3772.0	3764.6	3682.8	3621.1
35°	4419.0	4274.4	4066.5	4098.1	4066.5	4274.4	4419.0	4435.7	4312.1	4082.3	4192.6
32.5°	5516.2	5577.0	5614.9	5679.5	5614.9	5577.0	5516.2	5460.2	5496.0	5370.5	5099.9
30°	6022.5	6042.6	6073.0	6104.9	6073.0	6042.6	6022.5	6006.4	5996.3	5849.9	5686.5
27.5°	6148.8	6169.6	6188.1	6201.8	6188.1	6169.6	6148.8	6136.9	6114.5	6022.6	5883.7
25°	6214.9	6227.8	6247.4	6264.7	6247.4	6227.8	6214.9	6212.3	6194.2	6137.6	6026.0
22.5°	6247.7	6249.0	6264.4	6286.2	6264.4	6249.0	6247.7	6252.9	6243.9	6219.2	6097.9
20°	6270.2	6258.0	6273.9	6288.0	6273.9	6258.0	6270.2	6278.4	6276.0	6276.6	6175.5
17.5°	6557.2	6393.5	6326.2	6327.5	6326.2	6393.5	6557.2	6393.9	6509.7	6563.1	6536.3
15°	7483.0	7544.4	7779.9	7907.1	7779.9	7544.4	7483.0	7659.3	7502.2	7538.7	7399.2
12.5°	8080.4	8058.6	8030.6	8068.7	8030.6	8058.6	8080.4	8086.1	8116.9	8133.5	8091.5
10°	8108.1	8105.6	8055.7	8110.0	8055.7	8105.6	8108.1	8124.8	8164.1	8191.9	8143.8
7.5°	8091.1	8092.6	8071.4	8124.3	8071.4	8092.6	8091.1	8135.4	8162.4	8178.6	8129.6
5°	8102.3	8065.8	8079.6	8110.0	8079.6	8065.8	8102.3	8106.6	8132.9	8152.4	8123.5
2.5°	8071.0	8067.2	8040.3	8061.5	8040.3	8067.2	8071.0	8087.9	8103.3	8111.8	8112.1
0°	8047.1	8027.4	8027.4	8045.3	8027.4	8027.4	8047.1	8077.7	8104.6	8127.9	8136.9
-2.5°	8089.6	8085.5	8082.9	8070.5	8082.9	8085.5	8089.6	8103.3	8116.6	8128.1	8132.3
-5°	8124.5	8113.8	8084.4	8124.3	8084.4	8113.8	8124.5	8139.4	8161.9	8177.9	8173.4
-7.5°	8162.0	8134.8	8106.9	8169.2	8106.9	8134.8	8162.0	8174.0	8200.8	8222.0	8220.1
-10°	8196.3	8156.9	8129.7	8190.7	8129.7	8156.9	8196.3	8223.9	8246.8	8267.0	8270.7
-12.5°	8241.6	8195.6	8177.4	8210.5	8177.4	8195.6	8241.6	8273.5	8298.3	8313.5	8307.5
-15°	8289.9	8258.1	8253.8	8273.3	8253.8	8258.1	8289.9	8323.3	8342.9	8355.3	8333.1
-17.5°	8332.4	8310.0	8321.1	8343.3	8321.1	8310.0	8332.4	8359.7	8375.9	8380.8	8350.5
-20°	8352.7	8340.1	8352.6	8407.9	8352.6	8340.1	8352.7	8370.1	8381.1	8378.3	8334.3



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8351.0	8351.7	8373.7	8391.8	8373.7	8351.7	8351.0	8360.3	8359.4	8345.6	8271.8
-25°	8319.1	8335.9	8361.1	8397.2	8361.1	8335.9	8319.1	8318.3	8307.1	8271.3	8196.5
-27.5°	8242.2	8270.1	8296.4	8334.3	8296.4	8270.1	8242.2	8231.5	8211.7	8162.5	8101.6
-30°	8131.1	8164.3	8187.8	8228.4	8187.8	8164.3	8131.1	8110.8	8080.1	8023.8	7932.0
-32.5°	7995.9	8033.4	8061.2	8090.2	8061.2	8033.4	7995.9	7965.0	7932.1	7867.2	7740.5
-35°	7826.9	7867.3	7896.8	7923.3	7896.8	7867.3	7826.9	7786.2	7745.0	7689.3	7544.9
-37.5°	7623.8	7667.4	7701.0	7731.2	7701.0	7667.4	7623.8	7575.0	7531.6	7477.5	7337.4
-40°	7387.1	7431.8	7467.7	7501.4	7467.7	7431.8	7387.1	7331.4	7282.2	7219.1	7097.6
-42.5°	7110.5	7155.7	7192.7	7226.8	7192.7	7155.7	7110.5	7051.2	6990.9	6914.8	6809.6
-45°	6791.0	6837.5	6876.7	6912.7	6876.7	6837.5	6791.0	6729.0	6652.0	6553.0	6427.9
-47.5°	6423.1	6472.8	6506.4	6523.2	6506.4	6472.8	6423.1	6357.2	6267.7	6151.9	6014.7
-50°	6001.4	6051.1	6091.4	6121.1	6091.4	6051.1	6001.4	5935.7	5845.0	5719.5	5574.3
-52.5°	5537.2	5584.5	5619.1	5640.0	5619.1	5584.5	5537.2	5473.2	5385.5	5251.3	5098.2
-55°	5028.8	5078.3	5111.2	5126.6	5111.2	5078.3	5028.8	4962.8	4878.8	4742.1	4591.4
-57.5°	4452.3	4499.3	4534.3	4554.0	4534.3	4499.3	4452.3	4388.1	4307.1	4178.5	4033.4
-60°	3814.5	3856.6	3883.0	3893.4	3883.0	3856.6	3814.5	3755.7	3680.2	3567.2	3433.9
-62.5°	3162.2	3202.0	3226.8	3236.4	3226.8	3202.0	3162.2	3108.8	3042.7	2950.0	2838.6
-65°	2517.2	2542.1	2555.9	2557.9	2555.9	2542.1	2517.2	2479.6	2429.2	2358.2	2271.6
-67.5°	1941.9	1960.9	1972.4	1976.3	1972.4	1960.9	1941.9	1915.7	1882.4	1840.3	1787.5
-70°	1523.8	1536.8	1544.2	1545.5	1544.2	1536.8	1523.8	1504.1	1477.7	1442.4	1399.2
-72.5°	1136.0	1145.4	1142.2	1134.5	1142.2	1145.4	1136.0	1122.8	1105.5	1085.7	1065.3
-75°	886.3	896.6	892.3	885.0	892.3	896.6	886.3	873.9	859.6	843.3	824.9
-77.5°	708.0	717.4	712.7	705.4	712.7	717.4	708.0	696.9	684.1	669.7	652.9
-80°	505.6	511.1	515.1	517.0	515.1	511.1	505.6	498.7	490.6	482.0	475.4
-82.5°	258.8	251.2	246.4	240.5	246.4	251.2	258.8	265.0	269.8	272.9	274.4
-85°	73.2	71.4	72.6	73.6	72.6	71.4	73.2	74.6	75.8	76.8	83.1
-87.5°	20.9	21.4	21.5	21.5	21.5	21.4	20.9	20.3	19.7	19.0	19.2
-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: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-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°	0.8	1.3	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3
85°	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8	1.8	2.2
65°	2.2	2.1	2.2	2.5	2.6	2.5	2.5	2.6	2.6	2.5	2.3
62.5°	3.6	3.8	3.9	4.0	4.0	5.1	4.5	4.6	4.3	5.1	7.0
60°	8.6	6.8	10.2	11.4	9.7	16.6	28.1	25.4	7.5	40.7	46.9
57.5°	118.8	98.6	206.6	205.9	86.2	116.5	156.0	102.7	67.1	115.1	152.1
55°	828.3	758.6	659.5	649.0	683.2	519.1	434.0	417.7	326.9	212.5	252.4
52.5°	1167.7	1098.2	1030.6	967.7	916.1	860.9	779.8	692.1	664.1	534.7	412.3
50°	1321.4	1388.9	1322.4	1159.7	1188.6	1110.1	995.8	902.6	921.7	842.6	679.3
47.5°	1791.9	1874.3	1876.3	1779.3	1671.3	1638.0	1470.3	1179.1	1198.7	1195.3	1022.4
45°	2623.4	2508.4	2551.3	2415.0	2224.2	2118.8	2113.1	1801.6	1513.1	1466.2	1449.5
42.5°	3079.1	2994.0	2905.8	2804.2	2635.5	2467.3	2363.5	2188.3	1956.3	1751.0	1678.1
40°	3263.4	3164.2	3081.9	2997.7	2861.9	2689.6	2606.0	2375.9	2201.6	2023.8	1964.6
37.5°	3486.1	3297.7	3371.2	3212.0	3086.0	3044.0	2979.2	2739.7	2353.3	2320.8	2290.8
35°	3983.3	3807.2	3976.7	3946.7	3444.8	3500.7	3543.8	3249.5	2844.9	2625.5	2630.3
32.5°	5117.8	4711.9	4588.0	4739.8	4475.9	4037.9	4044.4	3954.8	3402.4	3083.2	2943.5
30°	5528.6	5348.3	5153.0	5126.6	4930.2	4676.8	4515.9	4300.6	3898.6	3534.2	3294.8
27.5°	5705.8	5542.2	5377.8	5250.9	5137.2	4965.3	4755.3	4502.3	4216.3	3889.8	3657.2
25°	5832.3	5649.1	5507.3	5367.2	5244.8	5114.6	4900.1	4653.7	4386.9	4123.6	3873.9
22.5°	5933.9	5763.2	5610.5	5459.8	5360.5	5220.5	5027.7	4773.3	4594.2	4426.9	4102.2
20°	6045.1	5880.5	5708.6	5715.8	5569.6	5335.9	5150.6	5023.9	4999.4	4811.2	4391.9
17.5°	6527.7	6075.1	6159.2	6318.6	5996.5	5572.3	5506.2	5513.2	5435.4	5260.4	4739.1
15°	7561.3	6907.6	6913.4	7023.3	6674.1	6152.9	6032.5	6017.8	5895.4	5701.8	5105.7
12.5°	7886.9	7668.5	7628.3	7465.0	7122.1	6732.6	6590.1	6512.8	6288.1	5913.6	5369.5
10°	7996.9	7870.4	7702.3	7537.5	7329.3	7172.9	6969.9	6689.1	6370.2	6008.9	5566.0
7.5°	8010.0	7878.7	7743.2	7586.3	7403.7	7220.0	7019.4	6740.3	6431.9	6077.6	5704.6
5°	8002.3	7871.5	7746.0	7595.9	7410.6	7232.6	7050.8	6774.8	6473.6	6122.4	5795.6
2.5°	7982.8	7850.4	7730.9	7594.6	7410.1	7238.5	7070.2	6811.9	6503.4	6159.4	5825.9
0°	8011.2	7880.2	7767.1	7614.5	7447.6	7248.3	7079.6	6849.8	6517.8	6183.9	5837.4
-2.5°	8023.4	7888.0	7784.5	7612.4	7474.1	7270.7	7099.8	6877.8	6544.9	6227.2	5865.2
-5°	8088.2	7953.6	7818.2	7645.8	7500.3	7310.0	7117.8	6889.2	6565.2	6250.7	5877.8
-7.5°	8130.8	7994.2	7836.7	7669.5	7523.4	7341.9	7128.8	6890.3	6583.9	6250.3	5883.8
-10°	8157.5	8014.7	7859.2	7687.9	7536.9	7350.1	7125.1	6884.3	6580.1	6235.7	5870.5
-12.5°	8194.9	8034.3	7874.2	7679.7	7528.2	7336.4	7111.7	6870.6	6551.9	6208.4	5836.9
-15°	8208.9	8043.9	7856.7	7666.1	7500.7	7314.1	7082.1	6829.8	6502.7	6166.3	5782.0
-17.5°	8214.7	8027.0	7827.5	7644.6	7466.3	7268.5	7023.6	6755.3	6439.7	6092.0	5709.6
-20°	8210.2	7991.7	7786.2	7587.2	7400.4	7199.5	6946.8	6681.2	6349.4	5995.8	5615.9



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8126.4	7928.6	7720.6	7504.7	7321.1	7107.9	6860.6	6585.7	6232.2	5890.2	5496.5
-25°	8034.2	7834.3	7619.4	7418.7	7223.1	7011.4	6757.2	6445.5	6109.8	5754.0	5351.7
-27.5°	7925.1	7715.1	7493.1	7288.9	7082.3	6873.9	6611.1	6297.1	5973.8	5584.9	5194.3
-30°	7778.0	7561.2	7334.9	7101.2	6912.3	6699.9	6440.0	6135.0	5787.9	5403.9	5032.2
-32.5°	7578.1	7374.1	7147.9	6925.8	6728.6	6505.6	6243.3	5940.5	5576.2	5212.9	4826.2
-35°	7375.0	7163.7	6948.1	6739.0	6531.1	6297.7	6029.9	5700.4	5352.2	4992.4	4591.0
-37.5°	7143.1	6923.1	6720.4	6521.7	6307.3	6067.9	5772.5	5454.2	5114.7	4719.0	4337.1
-40°	6894.0	6682.0	6460.6	6264.2	6035.5	5794.1	5508.6	5199.2	4825.8	4434.8	4075.7
-42.5°	6598.1	6386.3	6158.3	5939.6	5717.5	5488.0	5230.0	4895.2	4525.2	4156.3	3783.5
-45°	6240.9	6028.9	5804.8	5579.4	5371.6	5148.4	4908.4	4551.5	4186.0	3834.5	3476.8
-47.5°	5838.8	5633.4	5417.3	5193.7	4996.0	4772.0	4479.6	4147.6	3824.2	3489.7	3123.5
-50°	5402.3	5206.8	5006.9	4799.5	4577.4	4324.8	4044.2	3754.4	3434.1	3090.8	2756.2
-52.5°	4925.1	4746.3	4557.6	4358.2	4128.9	3878.2	3615.3	3307.7	2988.1	2696.7	2392.5
-55°	4427.3	4250.6	4064.1	3864.9	3651.1	3403.1	3130.8	2851.0	2590.1	2320.6	2088.4
-57.5°	3876.3	3708.8	3531.2	3343.2	3145.9	2915.1	2676.2	2438.8	2232.2	2022.7	1812.1
-60°	3287.4	3131.2	2980.0	2813.3	2631.1	2432.6	2258.4	2083.2	1907.9	1740.7	1571.1
-62.5°	2717.1	2586.4	2450.5	2315.3	2176.7	2033.4	1889.0	1753.8	1615.6	1473.9	1349.1
-65°	2178.1	2078.6	1971.5	1877.9	1779.6	1676.0	1560.0	1454.0	1353.5	1249.6	1143.4
-67.5°	1725.6	1654.7	1579.0	1505.1	1437.7	1366.0	1284.5	1198.8	1119.1	1042.3	964.0
-70°	1353.7	1306.8	1257.5	1203.6	1149.9	1095.8	1035.9	972.8	908.8	851.2	796.1
-72.5°	1039.0	1006.5	969.2	930.4	889.0	852.2	811.3	768.7	725.4	681.7	640.0
-75°	804.0	780.4	754.8	725.8	690.8	649.3	618.5	597.7	571.6	539.8	505.1
-77.5°	635.8	618.7	600.4	575.6	550.0	523.6	497.5	471.7	446.2	422.2	400.1
-80°	467.9	459.8	449.6	429.1	408.6	388.2	368.7	352.9	338.0	321.7	301.6
-82.5°	274.7	273.7	270.8	259.3	247.8	236.5	225.4	214.3	202.6	190.3	177.9
-85°	88.7	93.6	97.6	99.5	100.6	100.9	100.3	97.4	94.0	90.1	85.9
-87.5°	19.4	19.4	19.5	20.3	21.0	21.6	22.1	23.1	24.1	24.8	25.4
-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: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-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°	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.9	0.9	0.9
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.5	1.7	1.9	1.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.7	2.9
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.8	3.2
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.8	3.2
75°	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	2.4	2.8	3.3
72.5°	1.8	1.8	1.8	2.0	2.3	2.3	2.1	2.0	2.4	2.9	3.3
70°	2.1	1.9	1.8	2.1	2.5	2.9	2.8	2.9	2.5	2.9	3.3
67.5°	2.6	2.7	2.5	2.5	2.6	3.0	3.5	4.1	4.0	3.0	3.4
65°	2.8	3.2	3.8	5.1	4.5	3.1	3.6	7.1	5.6	4.8	3.4
62.5°	5.9	3.3	11.4	15.2	8.6	6.7	5.4	15.7	9.8	6.7	4.8
60°	14.1	11.5	31.6	50.7	35.4	11.9	17.5	27.1	24.9	8.6	6.8
57.5°	131.7	45.2	65.6	94.8	93.2	50.6	36.9	49.2	42.3	24.4	9.6
55°	281.0	236.5	156.1	143.0	154.5	124.7	81.2	79.7	65.3	45.3	15.5
52.5°	385.5	402.3	350.2	244.6	213.1	203.0	158.6	115.6	102.6	67.9	39.3
50°	558.1	519.7	514.5	431.9	298.7	270.4	234.0	180.5	143.9	97.2	66.4
47.5°	788.4	692.5	641.7	604.6	476.7	344.7	307.0	246.8	189.6	140.0	94.9
45°	1126.7	895.1	796.8	736.7	653.2	484.8	384.2	311.2	247.0	188.0	124.6
42.5°	1466.4	1157.4	973.9	876.7	789.9	643.0	466.8	385.5	303.0	236.8	162.3
40°	1766.2	1427.8	1160.2	1035.1	924.1	795.8	600.5	465.0	357.9	287.1	205.2
37.5°	2127.2	1735.6	1374.4	1201.1	1067.2	923.4	736.1	548.0	423.9	339.8	248.2
35°	2476.4	2134.2	1614.2	1401.7	1226.5	1054.2	866.8	646.2	504.9	393.3	291.2
32.5°	2851.3	2509.0	1976.3	1625.6	1391.3	1188.0	988.9	765.5	586.5	447.5	334.1
30°	3146.6	2755.7	2294.0	1849.8	1570.7	1337.2	1110.8	880.0	668.2	502.2	377.3
27.5°	3303.1	2969.2	2544.8	2099.7	1772.5	1490.3	1236.5	989.5	749.8	562.3	422.3
25°	3464.9	3119.6	2724.0	2318.0	1971.8	1652.2	1361.6	1093.8	838.9	630.1	466.8
22.5°	3658.5	3247.5	2875.2	2491.1	2177.4	1816.5	1492.8	1199.4	928.0	696.6	510.7
20°	3852.9	3366.2	3024.4	2726.7	2379.1	1994.2	1630.0	1302.5	1012.1	761.3	553.6
17.5°	4057.0	3581.8	3277.5	2956.5	2580.2	2166.3	1765.1	1402.3	1090.9	824.0	595.2
15°	4412.1	3904.7	3532.5	3180.1	2780.3	2331.9	1897.0	1498.2	1164.5	884.2	634.0
12.5°	4734.6	4205.2	3787.7	3396.3	2977.0	2489.8	2024.2	1589.4	1232.6	932.3	668.5
10°	5001.4	4483.9	4040.0	3603.9	3168.0	2638.9	2145.5	1663.7	1273.5	968.1	700.3
7.5°	5219.9	4741.5	4286.0	3801.4	3332.0	2736.4	2206.6	1707.1	1305.1	998.6	729.3
5°	5377.8	4913.4	4416.7	3870.2	3383.3	2776.4	2248.2	1742.4	1330.7	1024.1	755.4
2.5°	5423.3	4966.2	4465.9	3907.9	3418.0	2802.3	2277.9	1769.4	1350.3	1044.7	778.6
0°	5449.7	5001.0	4496.6	3931.1	3435.7	2814.6	2295.8	1787.9	1364.2	1060.9	798.8
-2.5°	5486.7	5030.9	4526.3	3990.7	3447.5	2852.3	2306.0	1800.0	1381.8	1066.7	810.6
-5°	5505.2	5042.6	4540.5	4030.7	3444.4	2874.7	2304.7	1803.8	1393.3	1068.7	819.2
-7.5°	5497.0	5038.7	4541.1	4043.3	3428.8	2879.9	2292.2	1799.8	1397.9	1067.2	824.6
-10°	5472.2	5018.2	4523.7	4010.8	3414.5	2859.6	2269.9	1788.4	1395.2	1062.6	826.6
-12.5°	5434.6	4980.1	4488.2	3964.1	3384.6	2817.6	2243.6	1768.7	1383.9	1055.3	825.2
-15°	5385.7	4924.5	4434.4	3904.8	3335.4	2761.8	2204.1	1740.3	1362.0	1046.9	820.4
-17.5°	5322.9	4852.1	4361.8	3834.4	3266.2	2692.6	2151.1	1703.2	1334.6	1036.7	810.5
-20°	5210.9	4754.8	4269.6	3754.4	3176.3	2610.7	2084.2	1657.5	1301.9	1022.3	796.4



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5085.0	4634.3	4154.7	3646.4	3068.1	2516.4	2003.4	1603.2	1264.2	1003.4	779.4
-25°	4950.8	4498.7	4021.1	3496.9	2948.4	2416.9	1922.4	1540.4	1221.8	980.1	759.7
-27.5°	4793.1	4345.1	3869.8	3332.3	2809.6	2301.3	1844.9	1484.7	1180.7	952.3	737.3
-30°	4615.9	4164.6	3680.6	3156.7	2657.3	2167.7	1757.8	1425.2	1145.9	921.9	712.4
-32.5°	4412.7	3965.6	3470.9	2976.9	2496.5	2025.9	1661.7	1361.6	1105.8	889.7	689.3
-35°	4181.5	3734.1	3248.8	2783.9	2326.2	1911.4	1567.8	1294.2	1060.3	854.8	665.0
-37.5°	3940.7	3485.6	3026.6	2582.3	2145.1	1787.4	1483.4	1227.5	1009.5	817.5	638.2
-40°	3665.7	3229.9	2793.4	2374.7	1988.2	1654.2	1392.0	1161.8	961.4	777.7	608.8
-42.5°	3382.4	2961.7	2550.2	2155.0	1833.5	1545.8	1296.2	1090.9	910.7	739.4	577.0
-45°	3076.9	2678.6	2291.6	1969.8	1676.1	1431.0	1212.4	1017.5	856.6	700.1	544.1
-47.5°	2754.7	2380.2	2056.5	1776.8	1542.2	1315.6	1123.2	954.0	799.9	658.1	511.1
-50°	2413.4	2102.3	1840.0	1609.1	1397.9	1211.7	1034.5	887.5	747.8	611.6	476.6
-52.5°	2110.9	1861.7	1644.6	1447.0	1270.7	1102.5	957.9	819.4	694.2	567.1	440.4
-55°	1851.7	1647.5	1464.3	1299.8	1144.7	1008.9	878.5	758.8	639.1	522.5	403.9
-57.5°	1628.0	1449.4	1302.8	1160.0	1031.8	916.0	806.1	696.9	586.3	476.3	374.8
-60°	1413.0	1279.7	1149.2	1034.4	925.9	827.6	737.8	635.1	532.9	430.1	342.7
-62.5°	1227.3	1113.5	1014.8	914.7	824.6	744.5	669.0	574.6	478.1	387.3	307.8
-65°	1053.2	965.8	881.8	801.9	727.2	659.3	598.2	512.6	423.0	342.0	271.5
-67.5°	887.8	822.0	756.1	689.1	630.2	575.3	523.1	445.7	365.6	294.3	235.5
-70°	740.2	684.0	632.3	582.5	534.8	489.0	439.7	374.4	305.5	251.6	198.7
-72.5°	600.8	559.7	516.8	475.9	440.6	400.4	355.0	304.1	255.8	208.1	161.1
-75°	471.8	444.7	414.5	381.9	349.1	313.1	283.1	247.5	205.4	163.8	129.8
-77.5°	377.5	351.0	320.7	294.8	272.8	248.2	221.0	190.0	156.7	127.4	100.4
-80°	278.5	258.2	241.1	226.2	205.8	183.4	160.8	138.2	113.9	91.2	70.3
-82.5°	169.9	165.4	160.7	153.8	136.8	120.1	103.8	87.7	70.5	54.5	45.1
-85°	85.0	83.2	80.7	77.1	66.6	56.4	51.7	46.9	41.1	35.5	30.2
-87.5°	27.9	30.0	31.7	32.9	30.6	28.2	25.9	23.5	20.6	17.8	15.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-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°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.9	1.6	1.2	0.9	0.6	0.4	0.0
82.5°	2.8	2.3	1.9	1.4	0.9	0.6	0.0
80°	3.6	3.1	2.5	1.9	1.3	0.8	0.0
77.5°	3.6	3.6	3.1	2.3	1.6	1.0	0.0
75°	3.6	3.7	3.6	2.8	1.9	1.2	0.0
72.5°	3.7	3.9	3.8	3.2	2.2	1.4	0.0
70°	3.8	4.0	4.0	3.6	2.5	1.6	0.0
67.5°	4.2	4.2	4.1	3.8	2.9	1.7	0.0
65°	4.8	4.8	4.3	4.0	3.2	1.9	0.0
62.5°	5.6	5.9	4.5	4.2	3.5	2.1	0.0
60°	6.6	7.2	4.7	4.4	3.8	2.3	0.0
57.5°	12.3	8.6	6.1	4.5	4.0	2.5	0.0
55°	19.6	10.2	7.6	4.7	4.2	2.7	0.0
52.5°	28.1	13.1	9.2	4.9	4.4	2.9	0.0
50°	37.9	22.3	10.8	5.1	4.7	3.0	0.0
47.5°	50.9	32.2	12.5	5.6	4.9	3.2	0.0
45°	76.8	42.8	14.3	7.0	5.1	3.4	0.0
42.5°	103.3	54.1	16.1	8.3	5.3	3.5	0.0
40°	130.5	66.1	21.7	10.1	5.5	3.7	0.0
37.5°	158.1	78.7	31.1	12.2	5.8	3.8	0.0
35°	186.2	97.8	40.6	14.6	6.0	4.0	0.0
32.5°	216.6	119.9	50.2	17.3	6.2	4.1	0.0
30°	251.4	141.8	59.9	20.1	6.5	4.3	0.0
27.5°	285.5	163.6	71.9	23.1	6.7	4.4	0.0
25°	318.8	184.9	84.2	26.3	6.9	4.5	0.0
22.5°	351.1	206.7	96.5	29.6	7.2	4.7	0.0
20°	382.3	230.1	108.6	33.1	7.4	4.8	0.0
17.5°	413.2	252.7	120.5	36.6	7.6	4.9	0.0
15°	442.9	274.4	132.2	40.1	7.9	5.0	0.0
12.5°	470.7	295.1	143.4	43.6	8.1	5.1	0.0
10°	496.5	314.7	154.2	47.0	8.3	5.2	0.0
7.5°	520.1	333.0	164.4	50.3	8.5	5.2	0.0
5°	541.7	349.9	173.9	53.5	8.7	5.3	0.0
2.5°	561.0	365.2	182.5	56.5	8.8	5.4	0.0
0°	578.0	378.8	190.3	59.2	9.0	5.4	0.0
-2.5°	586.5	387.4	197.5	63.1	10.4	5.7	0.0
-5°	592.6	394.2	203.7	66.6	11.8	6.0	0.0
-7.5°	596.6	399.2	208.7	69.8	13.1	6.3	0.0
-10°	598.4	402.3	212.5	72.6	14.4	6.5	0.0
-12.5°	598.1	403.5	215.0	74.9	15.7	6.8	0.0
-15°	595.7	402.9	216.3	76.7	16.8	7.0	0.0
-17.5°	591.4	400.5	216.1	78.1	17.9	7.2	0.0
-20°	584.6	396.3	214.5	78.9	18.9	7.4	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	574.8	390.2	211.5	79.1	19.8	7.5	0.0
-25°	562.8	380.8	207.0	78.8	20.6	7.6	0.0
-27.5°	548.5	369.1	201.0	77.8	21.2	7.7	0.0
-30°	531.9	355.8	193.4	76.2	21.8	7.8	0.0
-32.5°	513.2	341.0	184.7	74.0	22.2	7.8	0.0
-35°	492.9	324.5	174.9	71.1	22.5	7.8	0.0
-37.5°	471.1	308.0	164.1	67.5	22.7	7.7	0.0
-40°	447.6	293.1	152.4	63.3	22.7	7.7	0.0
-42.5°	422.5	277.0	143.5	58.8	22.5	7.5	0.0
-45°	395.8	260.0	137.4	54.2	22.3	7.4	0.0
-47.5°	367.5	242.0	130.2	48.9	21.9	7.2	0.0
-50°	343.9	223.0	122.0	47.2	21.3	7.0	0.0
-52.5°	320.3	203.1	112.7	46.2	20.6	6.7	0.0
-55°	295.8	188.0	102.4	44.8	19.8	6.5	0.0
-57.5°	270.3	172.7	91.1	42.8	18.9	6.1	0.0
-60°	244.5	156.0	79.3	40.4	17.8	5.8	0.0
-62.5°	220.9	138.0	73.6	37.5	16.7	5.4	0.0
-65°	195.6	118.8	67.2	34.2	15.5	5.0	0.0
-67.5°	168.7	102.7	60.0	30.5	14.2	4.6	0.0
-70°	140.4	89.8	52.2	26.5	12.9	4.1	0.0
-72.5°	118.8	76.1	43.8	23.3	11.4	3.7	0.0
-75°	97.1	61.4	34.9	20.3	9.9	3.2	0.0
-77.5°	74.4	46.1	28.8	17.1	8.4	2.7	0.0
-80°	50.8	35.1	23.3	13.8	6.8	2.2	0.0
-82.5°	37.3	26.6	17.6	10.4	5.1	1.6	0.0
-85°	25.0	17.8	11.8	7.0	3.4	1.1	0.0
-87.5°	12.5	8.9	5.9	3.5	1.7	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)