

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: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5D-722-U-LAM-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

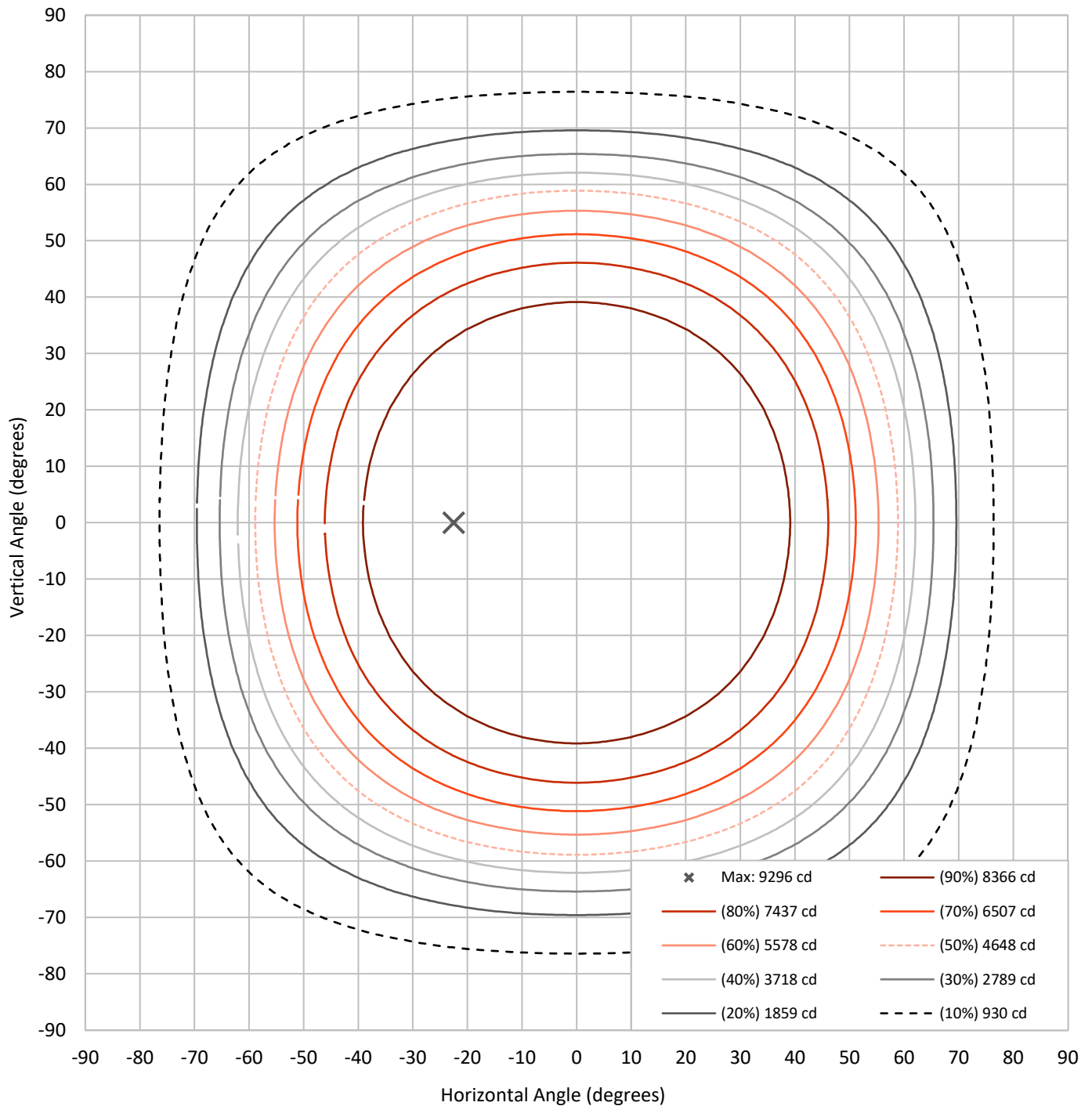
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	28437.2 lumens	Max Intensity:	9296 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	104.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	23665.9 lumens	Field Lumens:	27877.9 lumens
Beam Efficiency:	83.2%	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		



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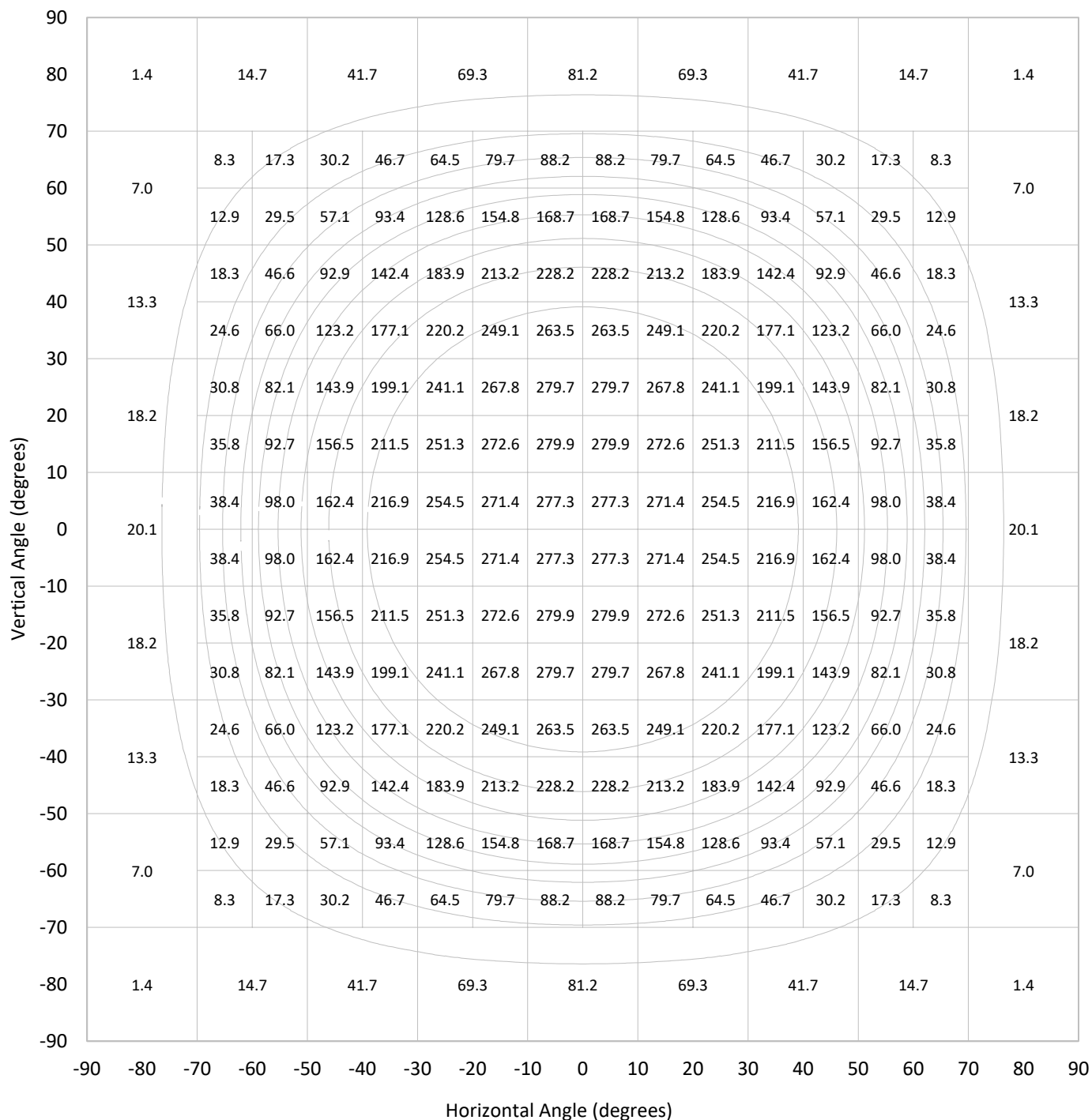
### Iso-Candela Plot





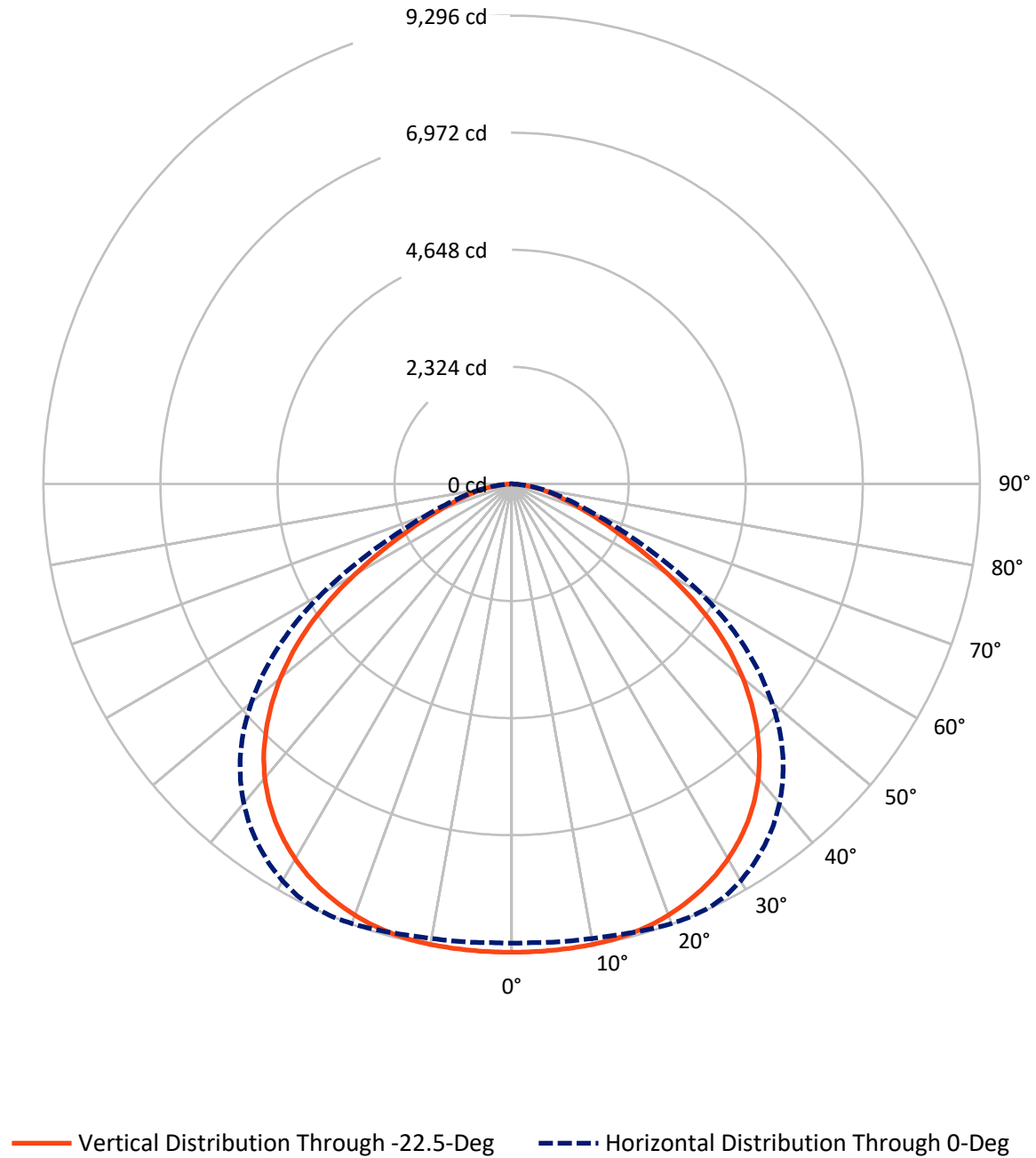
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### Lumen Table



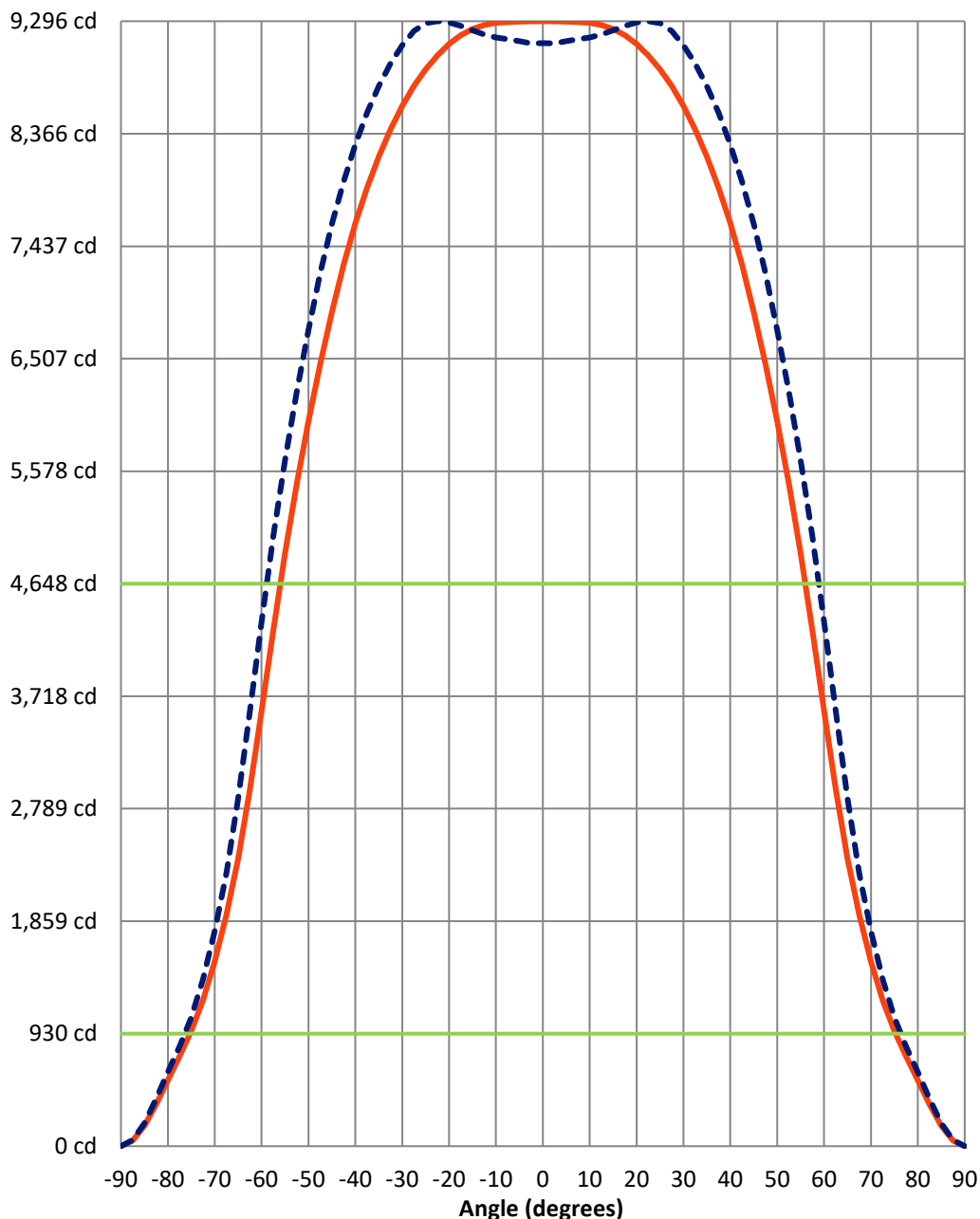
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 23665.9  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 27877.9  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 559.3  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg  
 - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.2	4.4	6.6	8.8	11.0	13.2	15.3	17.4	19.5	21.5
85°	0.0	4.4	8.9	13.3	17.7	22.0	26.3	30.6	34.8	38.9	43.0
82.5°	0.0	6.6	13.3	19.9	26.4	33.0	39.4	45.8	54.1	71.0	87.5
80°	0.0	8.8	17.7	26.4	35.2	43.9	55.1	78.2	101.0	123.4	145.4
77.5°	0.0	11.0	22.0	33.0	43.9	61.1	90.2	119.0	147.5	175.4	209.2
75°	0.0	13.2	26.3	39.4	55.1	90.2	125.1	159.5	195.5	244.3	292.3
72.5°	0.0	15.3	30.6	45.8	78.2	119.0	159.5	204.3	262.0	318.7	374.6
70°	0.0	17.4	34.8	54.1	101.0	147.5	195.5	262.0	327.6	392.4	462.5
67.5°	0.0	19.5	38.9	71.0	123.4	175.4	244.3	318.7	392.4	472.3	550.9
65°	0.0	21.5	43.0	87.5	145.4	209.2	292.3	374.6	462.5	550.9	636.7
62.5°	0.0	23.5	47.0	103.7	167.0	248.5	339.3	433.3	531.3	627.3	718.3
60°	0.0	25.4	50.9	119.6	188.1	286.9	385.4	492.3	598.7	699.5	798.3
57.5°	0.0	27.3	61.1	135.1	217.7	324.4	434.4	550.0	662.2	770.1	883.8
55°	0.0	29.2	71.1	150.1	246.9	360.9	482.6	606.3	723.4	841.0	970.6
52.5°	0.0	31.0	80.8	164.7	275.2	396.9	529.4	658.7	783.0	917.1	1055.1
50°	0.0	32.7	90.3	178.8	302.7	434.7	574.8	709.2	843.0	990.9	1160.1
47.5°	0.0	34.4	99.3	194.0	329.1	471.1	618.2	757.9	906.4	1062.3	1264.4
45°	0.0	36.0	108.1	213.0	354.6	506.2	658.4	804.9	967.4	1152.2	1365.0
42.5°	0.0	37.5	116.4	231.3	379.0	539.8	697.0	853.5	1026.0	1239.0	1483.6
40°	0.0	39.0	124.4	248.7	403.4	571.8	733.8	902.4	1087.7	1322.0	1600.7
37.5°	0.0	40.4	131.9	265.2	427.7	602.3	768.7	948.8	1157.8	1407.0	1712.4
35°	0.0	41.7	139.1	280.9	450.7	630.3	801.8	992.8	1224.1	1501.8	1826.4
32.5°	0.0	42.9	145.8	295.6	472.3	656.1	834.2	1034.3	1286.6	1591.2	1946.3
30°	0.0	44.1	152.1	309.3	492.5	680.3	867.3	1075.9	1345.1	1674.9	2058.7
27.5°	0.0	45.1	157.9	322.0	511.2	702.7	897.9	1123.1	1404.8	1752.8	2163.4
25°	0.0	46.1	163.2	333.7	528.5	723.3	926.2	1166.7	1468.1	1833.9	2261.1
22.5°	0.0	47.0	168.1	344.4	544.2	742.1	952.0	1206.4	1525.9	1912.6	2375.2
20°	0.0	47.8	172.5	354.0	558.3	759.1	975.2	1242.2	1578.1	1983.6	2478.2
17.5°	0.0	48.5	176.4	362.5	570.9	774.1	995.8	1274.0	1624.4	2046.7	2569.9
15°	0.0	49.2	179.8	369.9	581.8	787.2	1013.7	1301.7	1664.8	2101.7	2649.9
12.5°	0.0	49.7	182.6	376.2	591.1	798.3	1029.0	1325.3	1699.1	2148.5	2718.0
10°	0.0	50.1	185.0	381.4	598.7	807.5	1041.5	1344.6	1727.3	2187.0	2774.0
7.5°	0.0	50.5	186.8	385.4	604.6	814.6	1051.3	1359.7	1749.4	2217.1	2817.7
5°	0.0	50.7	188.1	388.3	608.9	819.7	1058.3	1370.5	1765.2	2238.6	2849.1
2.5°	0.0	50.9	188.9	390.0	611.4	822.8	1062.5	1377.0	1774.6	2251.6	2867.9
0°	0.0	50.9	189.2	390.6	612.3	823.8	1063.9	1379.2	1777.8	2255.9	2874.2
-2.5°	0.0	50.9	188.9	390.0	611.4	822.8	1062.5	1377.0	1774.6	2251.6	2867.9
-5°	0.0	50.7	188.1	388.3	608.9	819.7	1058.3	1370.5	1765.2	2238.6	2849.1
-7.5°	0.0	50.5	186.8	385.4	604.6	814.6	1051.3	1359.7	1749.4	2217.1	2817.7
-10°	0.0	50.1	185.0	381.4	598.7	807.5	1041.5	1344.6	1727.3	2187.0	2774.0
-12.5°	0.0	49.7	182.6	376.2	591.1	798.3	1029.0	1325.3	1699.1	2148.5	2718.0
-15°	0.0	49.2	179.8	369.9	581.8	787.2	1013.7	1301.7	1664.8	2101.7	2649.9
-17.5°	0.0	48.5	176.4	362.5	570.9	774.1	995.8	1274.0	1624.4	2046.7	2569.9
-20°	0.0	47.8	172.5	354.0	558.3	759.1	975.2	1242.2	1578.1	1983.6	2478.2

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Scaled Data Report



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

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	47.0	168.1	344.4	544.2	742.1	952.0	1206.4	1525.9	1912.6	2375.2
-25°	0.0	46.1	163.2	333.7	528.5	723.3	926.2	1166.7	1468.1	1833.9	2261.1
-27.5°	0.0	45.1	157.9	322.0	511.2	702.7	897.9	1123.1	1404.8	1752.8	2163.4
-30°	0.0	44.1	152.1	309.3	492.5	680.3	867.3	1075.9	1345.1	1674.9	2058.7
-32.5°	0.0	42.9	145.8	295.6	472.3	656.1	834.2	1034.3	1286.6	1591.2	1946.3
-35°	0.0	41.7	139.1	280.9	450.7	630.3	801.8	992.8	1224.1	1501.8	1826.4
-37.5°	0.0	40.4	131.9	265.2	427.7	602.3	768.7	948.8	1157.8	1407.0	1712.4
-40°	0.0	39.0	124.4	248.7	403.4	571.8	733.8	902.4	1087.7	1322.0	1600.7
-42.5°	0.0	37.5	116.4	231.3	379.0	539.8	697.0	853.5	1026.0	1239.0	1483.6
-45°	0.0	36.0	108.1	213.0	354.6	506.2	658.4	804.9	967.4	1152.2	1365.0
-47.5°	0.0	34.4	99.3	194.0	329.1	471.1	618.2	757.9	906.4	1062.3	1264.4
-50°	0.0	32.7	90.3	178.8	302.7	434.7	574.8	709.2	843.0	990.9	1160.1
-52.5°	0.0	31.0	80.8	164.7	275.2	396.9	529.4	658.7	783.0	917.1	1055.1
-55°	0.0	29.2	71.1	150.1	246.9	360.9	482.6	606.3	723.4	841.0	970.6
-57.5°	0.0	27.3	61.1	135.1	217.7	324.4	434.4	550.0	662.2	770.1	883.8
-60°	0.0	25.4	50.9	119.6	188.1	286.9	385.4	492.3	598.7	699.5	798.3
-62.5°	0.0	23.5	47.0	103.7	167.0	248.5	339.3	433.3	531.3	627.3	718.3
-65°	0.0	21.5	43.0	87.5	145.4	209.2	292.3	374.6	462.5	550.9	636.7
-67.5°	0.0	19.5	38.9	71.0	123.4	175.4	244.3	318.7	392.4	472.3	550.9
-70°	0.0	17.4	34.8	54.1	101.0	147.5	195.5	262.0	327.6	392.4	462.5
-72.5°	0.0	15.3	30.6	45.8	78.2	119.0	159.5	204.3	262.0	318.7	374.6
-75°	0.0	13.2	26.3	39.4	55.1	90.2	125.1	159.5	195.5	244.3	292.3
-77.5°	0.0	11.0	22.0	33.0	43.9	61.1	90.2	119.0	147.5	175.4	209.2
-80°	0.0	8.8	17.7	26.4	35.2	43.9	55.1	78.2	101.0	123.4	145.4
-82.5°	0.0	6.6	13.3	19.9	26.4	33.0	39.4	45.8	54.1	71.0	87.5
-85°	0.0	4.4	8.9	13.3	17.7	22.0	26.3	30.6	34.8	38.9	43.0
-87.5°	0.0	2.2	4.4	6.6	8.8	11.0	13.2	15.3	17.4	19.5	21.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-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°	23.5	25.4	27.3	29.2	31.0	32.7	34.4	36.0	37.5	39.0	40.4
85°	47.0	50.9	61.1	71.1	80.8	90.3	99.3	108.1	116.4	124.4	131.9
82.5°	103.7	119.6	135.1	150.1	164.7	178.8	194.0	213.0	231.3	248.7	265.2
80°	167.0	188.1	217.7	246.9	275.2	302.7	329.1	354.6	379.0	403.4	427.7
77.5°	248.5	286.9	324.4	360.9	396.9	434.7	471.1	506.2	539.8	571.8	602.3
75°	339.3	385.4	434.4	482.6	529.4	574.8	618.2	658.4	697.0	733.8	768.7
72.5°	433.3	492.3	550.0	606.3	658.7	709.2	757.9	804.9	853.5	902.4	948.8
70°	531.3	598.7	662.2	723.4	783.0	843.0	906.4	967.4	1026.0	1087.7	1157.8
67.5°	627.3	699.5	770.1	841.0	917.1	990.9	1062.3	1152.2	1239.0	1322.0	1407.0
65°	718.3	798.3	883.8	970.6	1055.1	1160.1	1264.4	1365.0	1483.6	1600.7	1712.4
62.5°	807.8	905.3	1002.9	1109.0	1231.1	1349.7	1487.1	1627.4	1762.4	1914.5	2062.6
60°	905.3	1013.7	1137.5	1274.0	1414.4	1578.1	1736.8	1912.6	2089.8	2261.1	2471.2
57.5°	1002.9	1137.5	1288.3	1450.9	1633.0	1816.9	2023.4	2223.2	2462.9	2702.3	2940.5
55°	1109.0	1274.0	1450.9	1651.4	1861.3	2090.4	2329.9	2608.9	2879.0	3180.0	3468.2
52.5°	1231.1	1414.4	1633.0	1861.3	2112.9	2388.4	2697.3	3016.9	3353.4	3680.2	4000.7
50°	1349.7	1578.1	1816.9	2090.4	2388.4	2726.9	3086.3	3458.5	3825.8	4184.2	4519.9
47.5°	1487.1	1736.8	2023.4	2329.9	2697.3	3086.3	3493.6	3899.2	4295.4	4663.1	5015.3
45°	1627.4	1912.6	2223.2	2608.9	3016.9	3458.5	3899.2	4332.7	4735.3	5115.2	5447.6
42.5°	1762.4	2089.8	2462.9	2879.0	3353.4	3825.8	4295.4	4735.3	5147.7	5513.6	5847.5
40°	1914.5	2261.1	2702.3	3180.0	3680.2	4184.2	4663.1	5115.2	5513.6	5877.9	6216.0
37.5°	2062.6	2471.2	2940.5	3468.2	4000.7	4519.9	5015.3	5447.6	5847.5	6216.0	6540.3
35°	2203.3	2671.0	3193.7	3747.6	4306.6	4834.5	5316.6	5756.7	6154.1	6511.7	6843.3
32.5°	2359.6	2859.8	3433.2	4016.0	4585.3	5122.8	5600.8	6031.3	6426.4	6789.5	7118.8
30°	2520.8	3063.5	3660.6	4268.7	4847.1	5372.9	5850.0	6286.0	6677.9	7036.6	7359.2
27.5°	2671.0	3255.6	3877.5	4497.5	5086.2	5607.3	6078.0	6507.2	6901.4	7262.5	7575.3
25°	2809.7	3433.2	4078.3	4706.8	5287.6	5809.8	6284.8	6713.7	7105.6	7452.2	7756.2
22.5°	2946.6	3596.0	4262.2	4898.9	5472.5	5990.9	6461.5	6891.6	7283.7	7627.0	7918.8
20°	3079.7	3747.6	4424.6	5069.3	5640.3	6155.4	6622.4	7051.7	7433.3	7765.7	8056.1
17.5°	3198.2	3882.7	4566.6	5206.9	5778.3	6295.8	6764.8	7195.4	7567.9	7890.8	8174.7
15°	3301.7	4000.7	4690.8	5327.3	5897.0	6412.5	6881.5	7307.4	7677.4	7997.6	8279.5
12.5°	3389.9	4101.4	4796.8	5430.1	5998.5	6512.3	6981.4	7401.4	7765.2	8081.3	8357.1
10°	3462.4	4184.2	4884.1	5514.9	6082.2	6594.8	7064.1	7479.3	7838.0	8150.8	8421.7
7.5°	3519.1	4249.0	4952.3	5581.3	6147.7	6659.4	7129.0	7540.5	7895.3	8205.6	8472.7
5°	3559.7	4295.4	5001.3	5628.9	6194.8	6705.9	7175.6	7584.5	7936.6	8245.1	8509.6
2.5°	3584.1	4323.4	5030.8	5657.5	6223.1	6733.9	7203.7	7611.0	7961.5	8268.9	8531.8
0°	3592.3	4332.7	5040.6	5667.1	6232.6	6743.2	7213.1	7619.9	7969.8	8276.9	8539.3
-2.5°	3584.1	4323.4	5030.8	5657.5	6223.1	6733.9	7203.7	7611.0	7961.5	8268.9	8531.8
-5°	3559.7	4295.4	5001.3	5628.9	6194.8	6705.9	7175.6	7584.5	7936.6	8245.1	8509.6
-7.5°	3519.1	4249.0	4952.3	5581.3	6147.7	6659.4	7129.0	7540.5	7895.3	8205.6	8472.7
-10°	3462.4	4184.2	4884.1	5514.9	6082.2	6594.8	7064.1	7479.3	7838.0	8150.8	8421.7
-12.5°	3389.9	4101.4	4796.8	5430.1	5998.5	6512.3	6981.4	7401.4	7765.2	8081.3	8357.1
-15°	3301.7	4000.7	4690.8	5327.3	5897.0	6412.5	6881.5	7307.4	7677.4	7997.6	8279.5
-17.5°	3198.2	3882.7	4566.6	5206.9	5778.3	6295.8	6764.8	7195.4	7567.9	7890.8	8174.7
-20°	3079.7	3747.6	4424.6	5069.3	5640.3	6155.4	6622.4	7051.7	7433.3	7765.7	8056.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2946.6	3596.0	4262.2	4898.9	5472.5	5990.9	6461.5	6891.6	7283.7	7627.0	7918.8
-25°	2809.7	3433.2	4078.3	4706.8	5287.6	5809.8	6284.8	6713.7	7105.6	7452.2	7756.2
-27.5°	2671.0	3255.6	3877.5	4497.5	5086.2	5607.3	6078.0	6507.2	6901.4	7262.5	7575.3
-30°	2520.8	3063.5	3660.6	4268.7	4847.1	5372.9	5850.0	6286.0	6677.9	7036.6	7359.2
-32.5°	2359.6	2859.8	3433.2	4016.0	4585.3	5122.8	5600.8	6031.3	6426.4	6789.5	7118.8
-35°	2203.3	2671.0	3193.7	3747.6	4306.6	4834.5	5316.6	5756.7	6154.1	6511.7	6843.3
-37.5°	2062.6	2471.2	2940.5	3468.2	4000.7	4519.9	5015.3	5447.6	5847.5	6216.0	6540.3
-40°	1914.5	2261.1	2702.3	3180.0	3680.2	4184.2	4663.1	5115.2	5513.6	5877.9	6216.0
-42.5°	1762.4	2089.8	2462.9	2879.0	3353.4	3825.8	4295.4	4735.3	5147.7	5513.6	5847.5
-45°	1627.4	1912.6	2223.2	2608.9	3016.9	3458.5	3899.2	4332.7	4735.3	5115.2	5447.6
-47.5°	1487.1	1736.8	2023.4	2329.9	2697.3	3086.3	3493.6	3899.2	4295.4	4663.1	5015.3
-50°	1349.7	1578.1	1816.9	2090.4	2388.4	2726.9	3086.3	3458.5	3825.8	4184.2	4519.9
-52.5°	1231.1	1414.4	1633.0	1861.3	2112.9	2388.4	2697.3	3016.9	3353.4	3680.2	4000.7
-55°	1109.0	1274.0	1450.9	1651.4	1861.3	2090.4	2329.9	2608.9	2879.0	3180.0	3468.2
-57.5°	1002.9	1137.5	1288.3	1450.9	1633.0	1816.9	2023.4	2223.2	2462.9	2702.3	2940.5
-60°	905.3	1013.7	1137.5	1274.0	1414.4	1578.1	1736.8	1912.6	2089.8	2261.1	2471.2
-62.5°	807.8	905.3	1002.9	1109.0	1231.1	1349.7	1487.1	1627.4	1762.4	1914.5	2062.6
-65°	718.3	798.3	883.8	970.6	1055.1	1160.1	1264.4	1365.0	1483.6	1600.7	1712.4
-67.5°	627.3	699.5	770.1	841.0	917.1	990.9	1062.3	1152.2	1239.0	1322.0	1407.0
-70°	531.3	598.7	662.2	723.4	783.0	843.0	906.4	967.4	1026.0	1087.7	1157.8
-72.5°	433.3	492.3	550.0	606.3	658.7	709.2	757.9	804.9	853.5	902.4	948.8
-75°	339.3	385.4	434.4	482.6	529.4	574.8	618.2	658.4	697.0	733.8	768.7
-77.5°	248.5	286.9	324.4	360.9	396.9	434.7	471.1	506.2	539.8	571.8	602.3
-80°	167.0	188.1	217.7	246.9	275.2	302.7	329.1	354.6	379.0	403.4	427.7
-82.5°	103.7	119.6	135.1	150.1	164.7	178.8	194.0	213.0	231.3	248.7	265.2
-85°	47.0	50.9	61.1	71.1	80.8	90.3	99.3	108.1	116.4	124.4	131.9
-87.5°	23.5	25.4	27.3	29.2	31.0	32.7	34.4	36.0	37.5	39.0	40.4
-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: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	41.7	42.9	44.1	45.1	46.1	47.0	47.8	48.5	49.2	49.7	50.1
85°	139.1	145.8	152.1	157.9	163.2	168.1	172.5	176.4	179.8	182.6	185.0
82.5°	280.9	295.6	309.3	322.0	333.7	344.4	354.0	362.5	369.9	376.2	381.4
80°	450.7	472.3	492.5	511.2	528.5	544.2	558.3	570.9	581.8	591.1	598.7
77.5°	630.3	656.1	680.3	702.7	723.3	742.1	759.1	774.1	787.2	798.3	807.5
75°	801.8	834.2	867.3	897.9	926.2	952.0	975.2	995.8	1013.7	1029.0	1041.5
72.5°	992.8	1034.3	1075.9	1123.1	1166.7	1206.4	1242.2	1274.0	1301.7	1325.3	1344.6
70°	1224.1	1286.6	1345.1	1404.8	1468.1	1525.9	1578.1	1624.4	1664.8	1699.1	1727.3
67.5°	1501.8	1591.2	1674.9	1752.8	1833.9	1912.6	1983.6	2046.7	2101.7	2148.5	2187.0
65°	1826.4	1946.3	2058.7	2163.4	2261.1	2375.2	2478.2	2569.9	2649.9	2718.0	2774.0
62.5°	2203.3	2359.6	2520.8	2671.0	2809.7	2946.6	3079.7	3198.2	3301.7	3389.9	3462.4
60°	2671.0	2859.8	3063.5	3255.6	3433.2	3596.0	3747.6	3882.7	4000.7	4101.4	4184.2
57.5°	3193.7	3433.2	3660.6	3877.5	4078.3	4262.2	4424.6	4566.6	4690.8	4796.8	4884.1
55°	3747.6	4016.0	4268.7	4497.5	4706.8	4898.9	5069.3	5206.9	5327.3	5430.1	5514.9
52.5°	4306.6	4585.3	4847.1	5086.2	5287.6	5472.5	5640.3	5778.3	5897.0	5998.5	6082.2
50°	4834.5	5122.8	5372.9	5607.3	5809.8	5990.9	6155.4	6295.8	6412.5	6512.3	6594.8
47.5°	5316.6	5600.8	5850.0	6078.0	6284.8	6461.5	6622.4	6764.8	6881.5	6981.4	7064.1
45°	5756.7	6031.3	6286.0	6507.2	6713.7	6891.6	7051.7	7195.4	7307.4	7401.4	7479.3
42.5°	6154.1	6426.4	6677.9	6901.4	7105.6	7283.7	7433.3	7567.9	7677.4	7765.2	7838.0
40°	6511.7	6789.5	7036.6	7262.5	7452.2	7627.0	7765.7	7890.8	7997.6	8081.3	8150.8
37.5°	6843.3	7118.8	7359.2	7575.3	7756.2	7918.8	8056.1	8174.7	8279.5	8357.1	8421.7
35°	7146.4	7408.2	7646.0	7844.1	8023.4	8176.5	8311.7	8421.1	8518.5	8592.4	8651.4
32.5°	7408.2	7667.7	7888.6	8083.5	8258.6	8401.5	8531.2	8631.4	8719.7	8790.9	8845.7
30°	7646.0	7888.6	8103.7	8296.9	8456.4	8595.5	8712.3	8810.2	8891.8	8959.8	9007.9
27.5°	7844.1	8083.5	8296.9	8474.9	8627.6	8761.5	8868.5	8962.7	9034.0	9096.4	9137.9
25°	8023.4	8258.6	8456.4	8627.6	8775.8	8898.1	8999.9	9085.3	9148.4	9202.0	9232.8
22.5°	8176.5	8401.5	8595.5	8761.5	8898.1	9012.4	9108.3	9180.6	9232.3	9264.7	9282.9
20°	8311.7	8531.2	8712.3	8868.5	8999.9	9108.3	9191.5	9245.0	9281.0	9289.9	9295.1
17.5°	8421.1	8631.4	8810.2	8962.7	9085.3	9180.6	9245.0	9282.7	9293.4	9291.5	9286.2
15°	8518.5	8719.7	8891.8	9034.0	9148.4	9232.3	9281.0	9293.4	9290.3	9279.4	9262.7
12.5°	8592.4	8790.9	8959.8	9096.4	9202.0	9264.7	9289.9	9291.5	9279.4	9258.6	9234.8
10°	8651.4	8845.7	9007.9	9137.9	9232.8	9282.9	9295.1	9286.2	9262.7	9234.8	9208.4
7.5°	8698.0	8889.2	9046.2	9170.9	9252.9	9288.5	9291.2	9274.4	9246.2	9214.5	9186.0
5°	8731.7	8920.7	9074.1	9195.1	9267.7	9292.6	9288.3	9265.1	9232.4	9199.3	9173.2
2.5°	8752.2	8939.8	9091.0	9209.8	9276.8	9295.1	9286.5	9259.4	9223.8	9189.6	9164.8
0°	8759.0	8946.2	9096.7	9214.7	9279.8	9296.0	9285.9	9257.4	9220.8	9186.2	9161.8
-2.5°	8752.2	8939.8	9091.0	9209.8	9276.8	9295.1	9286.5	9259.4	9223.8	9189.6	9164.8
-5°	8731.7	8920.7	9074.1	9195.1	9267.7	9292.6	9288.3	9265.1	9232.4	9199.3	9173.2
-7.5°	8698.0	8889.2	9046.2	9170.9	9252.9	9288.5	9291.2	9274.4	9246.2	9214.5	9186.0
-10°	8651.4	8845.7	9007.9	9137.9	9232.8	9282.9	9295.1	9286.2	9262.7	9234.8	9208.4
-12.5°	8592.4	8790.9	8959.8	9096.4	9202.0	9264.7	9289.9	9291.5	9279.4	9258.6	9234.8
-15°	8518.5	8719.7	8891.8	9034.0	9148.4	9232.3	9281.0	9293.4	9290.3	9279.4	9262.7
-17.5°	8421.1	8631.4	8810.2	8962.7	9085.3	9180.6	9245.0	9282.7	9293.4	9291.5	9286.2
-20°	8311.7	8531.2	8712.3	8868.5	8999.9	9108.3	9191.5	9245.0	9281.0	9289.9	9295.1



REPORT NUMBER: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8176.5	8401.5	8595.5	8761.5	8898.1	9012.4	9108.3	9180.6	9232.3	9264.7	9282.9
-25°	8023.4	8258.6	8456.4	8627.6	8775.8	8898.1	8999.9	9085.3	9148.4	9202.0	9232.8
-27.5°	7844.1	8083.5	8296.9	8474.9	8627.6	8761.5	8868.5	8962.7	9034.0	9096.4	9137.9
-30°	7646.0	7888.6	8103.7	8296.9	8456.4	8595.5	8712.3	8810.2	8891.8	8959.8	9007.9
-32.5°	7408.2	7667.7	7888.6	8083.5	8258.6	8401.5	8531.2	8631.4	8719.7	8790.9	8845.7
-35°	7146.4	7408.2	7646.0	7844.1	8023.4	8176.5	8311.7	8421.1	8518.5	8592.4	8651.4
-37.5°	6843.3	7118.8	7359.2	7575.3	7756.2	7918.8	8056.1	8174.7	8279.5	8357.1	8421.7
-40°	6511.7	6789.5	7036.6	7262.5	7452.2	7627.0	7765.7	7890.8	7997.6	8081.3	8150.8
-42.5°	6154.1	6426.4	6677.9	6901.4	7105.6	7283.7	7433.3	7567.9	7677.4	7765.2	7838.0
-45°	5756.7	6031.3	6286.0	6507.2	6713.7	6891.6	7051.7	7195.4	7307.4	7401.4	7479.3
-47.5°	5316.6	5600.8	5850.0	6078.0	6284.8	6461.5	6622.4	6764.8	6881.5	6981.4	7064.1
-50°	4834.5	5122.8	5372.9	5607.3	5809.8	5990.9	6155.4	6295.8	6412.5	6512.3	6594.8
-52.5°	4306.6	4585.3	4847.1	5086.2	5287.6	5472.5	5640.3	5778.3	5897.0	5998.5	6082.2
-55°	3747.6	4016.0	4268.7	4497.5	4706.8	4898.9	5069.3	5206.9	5327.3	5430.1	5514.9
-57.5°	3193.7	3433.2	3660.6	3877.5	4078.3	4262.2	4424.6	4566.6	4690.8	4796.8	4884.1
-60°	2671.0	2859.8	3063.5	3255.6	3433.2	3596.0	3747.6	3882.7	4000.7	4101.4	4184.2
-62.5°	2203.3	2359.6	2520.8	2671.0	2809.7	2946.6	3079.7	3198.2	3301.7	3389.9	3462.4
-65°	1826.4	1946.3	2058.7	2163.4	2261.1	2375.2	2478.2	2569.9	2649.9	2718.0	2774.0
-67.5°	1501.8	1591.2	1674.9	1752.8	1833.9	1912.6	1983.6	2046.7	2101.7	2148.5	2187.0
-70°	1224.1	1286.6	1345.1	1404.8	1468.1	1525.9	1578.1	1624.4	1664.8	1699.1	1727.3
-72.5°	992.8	1034.3	1075.9	1123.1	1166.7	1206.4	1242.2	1274.0	1301.7	1325.3	1344.6
-75°	801.8	834.2	867.3	897.9	926.2	952.0	975.2	995.8	1013.7	1029.0	1041.5
-77.5°	630.3	656.1	680.3	702.7	723.3	742.1	759.1	774.1	787.2	798.3	807.5
-80°	450.7	472.3	492.5	511.2	528.5	544.2	558.3	570.9	581.8	591.1	598.7
-82.5°	280.9	295.6	309.3	322.0	333.7	344.4	354.0	362.5	369.9	376.2	381.4
-85°	139.1	145.8	152.1	157.9	163.2	168.1	172.5	176.4	179.8	182.6	185.0
-87.5°	41.7	42.9	44.1	45.1	46.1	47.0	47.8	48.5	49.2	49.7	50.1
-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: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	50.5	50.7	50.9	50.9	50.9	50.7	50.5	50.1	49.7	49.2	48.5
85°	186.8	188.1	188.9	189.2	188.9	188.1	186.8	185.0	182.6	179.8	176.4
82.5°	385.4	388.3	390.0	390.6	390.0	388.3	385.4	381.4	376.2	369.9	362.5
80°	604.6	608.9	611.4	612.3	611.4	608.9	604.6	598.7	591.1	581.8	570.9
77.5°	814.6	819.7	822.8	823.8	822.8	819.7	814.6	807.5	798.3	787.2	774.1
75°	1051.3	1058.3	1062.5	1063.9	1062.5	1058.3	1051.3	1041.5	1029.0	1013.7	995.8
72.5°	1359.7	1370.5	1377.0	1379.2	1377.0	1370.5	1359.7	1344.6	1325.3	1301.7	1274.0
70°	1749.4	1765.2	1774.6	1777.8	1774.6	1765.2	1749.4	1727.3	1699.1	1664.8	1624.4
67.5°	2217.1	2238.6	2251.6	2255.9	2251.6	2238.6	2217.1	2187.0	2148.5	2101.7	2046.7
65°	2817.7	2849.1	2867.9	2874.2	2867.9	2849.1	2817.7	2774.0	2718.0	2649.9	2569.9
62.5°	3519.1	3559.7	3584.1	3592.3	3584.1	3559.7	3519.1	3462.4	3389.9	3301.7	3198.2
60°	4249.0	4295.4	4323.4	4332.7	4323.4	4295.4	4249.0	4184.2	4101.4	4000.7	3882.7
57.5°	4952.3	5001.3	5030.8	5040.6	5030.8	5001.3	4952.3	4884.1	4796.8	4690.8	4566.6
55°	5581.3	5628.9	5657.5	5667.1	5657.5	5628.9	5581.3	5514.9	5430.1	5327.3	5206.9
52.5°	6147.7	6194.8	6223.1	6232.6	6223.1	6194.8	6147.7	6082.2	5998.5	5897.0	5778.3
50°	6659.4	6705.9	6733.9	6743.2	6733.9	6705.9	6659.4	6594.8	6512.3	6412.5	6295.8
47.5°	7129.0	7175.6	7203.7	7213.1	7203.7	7175.6	7129.0	7064.1	6981.4	6881.5	6764.8
45°	7540.5	7584.5	7611.0	7619.9	7611.0	7584.5	7540.5	7479.3	7401.4	7307.4	7195.4
42.5°	7895.3	7936.6	7961.5	7969.8	7961.5	7936.6	7895.3	7838.0	7765.2	7677.4	7567.9
40°	8205.6	8245.1	8268.9	8276.9	8268.9	8245.1	8205.6	8150.8	8081.3	7997.6	7890.8
37.5°	8472.7	8509.6	8531.8	8539.3	8531.8	8509.6	8472.7	8421.7	8357.1	8279.5	8174.7
35°	8698.0	8731.7	8752.2	8759.0	8752.2	8731.7	8698.0	8651.4	8592.4	8518.5	8421.1
32.5°	8889.2	8920.7	8939.8	8946.2	8939.8	8920.7	8889.2	8845.7	8790.9	8719.7	8631.4
30°	9046.2	9074.1	9091.0	9096.7	9091.0	9074.1	9046.2	9007.9	8959.8	8891.8	8810.2
27.5°	9170.9	9195.1	9209.8	9214.7	9209.8	9195.1	9170.9	9137.9	9096.4	9034.0	8962.7
25°	9252.9	9267.7	9276.8	9279.8	9276.8	9267.7	9252.9	9232.8	9202.0	9148.4	9085.3
22.5°	9288.5	9292.6	9295.1	9296.0	9295.1	9292.6	9288.5	9282.9	9264.7	9232.3	9180.6
20°	9291.2	9288.3	9286.5	9285.9	9286.5	9288.3	9291.2	9295.1	9289.9	9281.0	9245.0
17.5°	9274.4	9265.1	9259.4	9257.4	9259.4	9265.1	9274.4	9286.2	9291.5	9293.4	9282.7
15°	9246.2	9232.4	9223.8	9220.8	9223.8	9232.4	9246.2	9262.7	9279.4	9290.3	9293.4
12.5°	9214.5	9199.3	9189.6	9186.2	9189.6	9199.3	9214.5	9234.8	9258.6	9279.4	9291.5
10°	9186.0	9173.2	9164.8	9161.8	9164.8	9173.2	9186.0	9208.4	9234.8	9262.7	9286.2
7.5°	9167.6	9156.2	9149.9	9147.6	9149.9	9156.2	9167.6	9186.0	9214.5	9246.2	9274.4
5°	9156.2	9144.8	9135.1	9131.3	9135.1	9144.8	9156.2	9173.2	9199.3	9232.4	9265.1
2.5°	9149.9	9135.1	9120.6	9113.0	9120.6	9135.1	9149.9	9164.8	9189.6	9223.8	9259.4
0°	9147.6	9131.3	9113.0	9115.0	9113.0	9131.3	9147.6	9161.8	9186.2	9220.8	9257.4
-2.5°	9149.9	9135.1	9120.6	9113.0	9120.6	9135.1	9149.9	9164.8	9189.6	9223.8	9259.4
-5°	9156.2	9144.8	9135.1	9131.3	9135.1	9144.8	9156.2	9173.2	9199.3	9232.4	9265.1
-7.5°	9167.6	9156.2	9149.9	9147.6	9149.9	9156.2	9167.6	9186.0	9214.5	9246.2	9274.4
-10°	9186.0	9173.2	9164.8	9161.8	9164.8	9173.2	9186.0	9208.4	9234.8	9262.7	9286.2
-12.5°	9214.5	9199.3	9189.6	9186.2	9189.6	9199.3	9214.5	9234.8	9258.6	9279.4	9291.5
-15°	9246.2	9232.4	9223.8	9220.8	9223.8	9232.4	9246.2	9262.7	9279.4	9290.3	9293.4
-17.5°	9274.4	9265.1	9259.4	9257.4	9259.4	9265.1	9274.4	9286.2	9291.5	9293.4	9282.7
-20°	9291.2	9288.3	9286.5	9285.9	9286.5	9288.3	9291.2	9295.1	9289.9	9281.0	9245.0



REPORT NUMBER: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9288.5	9292.6	9295.1	9296.0	9295.1	9292.6	9288.5	9282.9	9264.7	9232.3	9180.6
-25°	9252.9	9267.7	9276.8	9279.8	9276.8	9267.7	9252.9	9232.8	9202.0	9148.4	9085.3
-27.5°	9170.9	9195.1	9209.8	9214.7	9209.8	9195.1	9170.9	9137.9	9096.4	9034.0	8962.7
-30°	9046.2	9074.1	9091.0	9096.7	9091.0	9074.1	9046.2	9007.9	8959.8	8891.8	8810.2
-32.5°	8889.2	8920.7	8939.8	8946.2	8939.8	8920.7	8889.2	8845.7	8790.9	8719.7	8631.4
-35°	8698.0	8731.7	8752.2	8759.0	8752.2	8731.7	8698.0	8651.4	8592.4	8518.5	8421.1
-37.5°	8472.7	8509.6	8531.8	8539.3	8531.8	8509.6	8472.7	8421.7	8357.1	8279.5	8174.7
-40°	8205.6	8245.1	8268.9	8276.9	8268.9	8245.1	8205.6	8150.8	8081.3	7997.6	7890.8
-42.5°	7895.3	7936.6	7961.5	7969.8	7961.5	7936.6	7895.3	7838.0	7765.2	7677.4	7567.9
-45°	7540.5	7584.5	7611.0	7619.9	7611.0	7584.5	7540.5	7479.3	7401.4	7307.4	7195.4
-47.5°	7129.0	7175.6	7203.7	7213.1	7203.7	7175.6	7129.0	7064.1	6981.4	6881.5	6764.8
-50°	6659.4	6705.9	6733.9	6743.2	6733.9	6705.9	6659.4	6594.8	6512.3	6412.5	6295.8
-52.5°	6147.7	6194.8	6223.1	6232.6	6223.1	6194.8	6147.7	6082.2	5998.5	5897.0	5778.3
-55°	5581.3	5628.9	5657.5	5667.1	5657.5	5628.9	5581.3	5514.9	5430.1	5327.3	5206.9
-57.5°	4952.3	5001.3	5030.8	5040.6	5030.8	5001.3	4952.3	4884.1	4796.8	4690.8	4566.6
-60°	4249.0	4295.4	4323.4	4332.7	4323.4	4295.4	4249.0	4184.2	4101.4	4000.7	3882.7
-62.5°	3519.1	3559.7	3584.1	3592.3	3584.1	3559.7	3519.1	3462.4	3389.9	3301.7	3198.2
-65°	2817.7	2849.1	2867.9	2874.2	2867.9	2849.1	2817.7	2774.0	2718.0	2649.9	2569.9
-67.5°	2217.1	2238.6	2251.6	2255.9	2251.6	2238.6	2217.1	2187.0	2148.5	2101.7	2046.7
-70°	1749.4	1765.2	1774.6	1777.8	1774.6	1765.2	1749.4	1727.3	1699.1	1664.8	1624.4
-72.5°	1359.7	1370.5	1377.0	1379.2	1377.0	1370.5	1359.7	1344.6	1325.3	1301.7	1274.0
-75°	1051.3	1058.3	1062.5	1063.9	1062.5	1058.3	1051.3	1041.5	1029.0	1013.7	995.8
-77.5°	814.6	819.7	822.8	823.8	822.8	819.7	814.6	807.5	798.3	787.2	774.1
-80°	604.6	608.9	611.4	612.3	611.4	608.9	604.6	598.7	591.1	581.8	570.9
-82.5°	385.4	388.3	390.0	390.6	390.0	388.3	385.4	381.4	376.2	369.9	362.5
-85°	186.8	188.1	188.9	189.2	188.9	188.1	186.8	185.0	182.6	179.8	176.4
-87.5°	50.5	50.7	50.9	50.9	50.9	50.7	50.5	50.1	49.7	49.2	48.5
-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: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	47.8	47.0	46.1	45.1	44.1	42.9	41.7	40.4	39.0	37.5	36.0
85°	172.5	168.1	163.2	157.9	152.1	145.8	139.1	131.9	124.4	116.4	108.1
82.5°	354.0	344.4	333.7	322.0	309.3	295.6	280.9	265.2	248.7	231.3	213.0
80°	558.3	544.2	528.5	511.2	492.5	472.3	450.7	427.7	403.4	379.0	354.6
77.5°	759.1	742.1	723.3	702.7	680.3	656.1	630.3	602.3	571.8	539.8	506.2
75°	975.2	952.0	926.2	897.9	867.3	834.2	801.8	768.7	733.8	697.0	658.4
72.5°	1242.2	1206.4	1166.7	1123.1	1075.9	1034.3	992.8	948.8	902.4	853.5	804.9
70°	1578.1	1525.9	1468.1	1404.8	1345.1	1286.6	1224.1	1157.8	1087.7	1026.0	967.4
67.5°	1983.6	1912.6	1833.9	1752.8	1674.9	1591.2	1501.8	1407.0	1322.0	1239.0	1152.2
65°	2478.2	2375.2	2261.1	2163.4	2058.7	1946.3	1826.4	1712.4	1600.7	1483.6	1365.0
62.5°	3079.7	2946.6	2809.7	2671.0	2520.8	2359.6	2203.3	2062.6	1914.5	1762.4	1627.4
60°	3747.6	3596.0	3433.2	3255.6	3063.5	2859.8	2671.0	2471.2	2261.1	2089.8	1912.6
57.5°	4424.6	4262.2	4078.3	3877.5	3660.6	3433.2	3193.7	2940.5	2702.3	2462.9	2223.2
55°	5069.3	4898.9	4706.8	4497.5	4268.7	4016.0	3747.6	3468.2	3180.0	2879.0	2608.9
52.5°	5640.3	5472.5	5287.6	5086.2	4847.1	4585.3	4306.6	4000.7	3680.2	3353.4	3016.9
50°	6155.4	5990.9	5809.8	5607.3	5372.9	5122.8	4834.5	4519.9	4184.2	3825.8	3458.5
47.5°	6622.4	6461.5	6284.8	6078.0	5850.0	5600.8	5316.6	5015.3	4663.1	4295.4	3899.2
45°	7051.7	6891.6	6713.7	6507.2	6286.0	6031.3	5756.7	5447.6	5115.2	4735.3	4332.7
42.5°	7433.3	7283.7	7105.6	6901.4	6677.9	6426.4	6154.1	5847.5	5513.6	5147.7	4735.3
40°	7765.7	7627.0	7452.2	7262.5	7036.6	6789.5	6511.7	6216.0	5877.9	5513.6	5115.2
37.5°	8056.1	7918.8	7756.2	7575.3	7359.2	7118.8	6843.3	6540.3	6216.0	5847.5	5447.6
35°	8311.7	8176.5	8023.4	7844.1	7646.0	7408.2	7146.4	6843.3	6511.7	6154.1	5756.7
32.5°	8531.2	8401.5	8258.6	8083.5	7888.6	7667.7	7408.2	7118.8	6789.5	6426.4	6031.3
30°	8712.3	8595.5	8456.4	8296.9	8103.7	7888.6	7646.0	7359.2	7036.6	6677.9	6286.0
27.5°	8868.5	8761.5	8627.6	8474.9	8296.9	8083.5	7844.1	7575.3	7262.5	6901.4	6507.2
25°	8999.9	8898.1	8775.8	8627.6	8456.4	8258.6	8023.4	7756.2	7452.2	7105.6	6713.7
22.5°	9108.3	9012.4	8898.1	8761.5	8595.5	8401.5	8176.5	7918.8	7627.0	7283.7	6891.6
20°	9191.5	9108.3	8999.9	8868.5	8712.3	8531.2	8311.7	8056.1	7765.7	7433.3	7051.7
17.5°	9245.0	9180.6	9085.3	8962.7	8810.2	8631.4	8421.1	8174.7	7890.8	7567.9	7195.4
15°	9281.0	9232.3	9148.4	9034.0	8891.8	8719.7	8518.5	8279.5	7997.6	7677.4	7307.4
12.5°	9289.9	9264.7	9202.0	9096.4	8959.8	8790.9	8592.4	8357.1	8081.3	7765.2	7401.4
10°	9295.1	9282.9	9232.8	9137.9	9007.9	8845.7	8651.4	8421.7	8150.8	7838.0	7479.3
7.5°	9291.2	9288.5	9252.9	9170.9	9046.2	8889.2	8698.0	8472.7	8205.6	7895.3	7540.5
5°	9288.3	9292.6	9267.7	9195.1	9074.1	8920.7	8731.7	8509.6	8245.1	7936.6	7584.5
2.5°	9286.5	9295.1	9276.8	9209.8	9091.0	8939.8	8752.2	8531.8	8268.9	7961.5	7611.0
0°	9285.9	9296.0	9279.8	9214.7	9096.7	8946.2	8759.0	8539.3	8276.9	7969.8	7619.9
-2.5°	9286.5	9295.1	9276.8	9209.8	9091.0	8939.8	8752.2	8531.8	8268.9	7961.5	7611.0
-5°	9288.3	9292.6	9267.7	9195.1	9074.1	8920.7	8731.7	8509.6	8245.1	7936.6	7584.5
-7.5°	9291.2	9288.5	9252.9	9170.9	9046.2	8889.2	8698.0	8472.7	8205.6	7895.3	7540.5
-10°	9295.1	9282.9	9232.8	9137.9	9007.9	8845.7	8651.4	8421.7	8150.8	7838.0	7479.3
-12.5°	9289.9	9264.7	9202.0	9096.4	8959.8	8790.9	8592.4	8357.1	8081.3	7765.2	7401.4
-15°	9281.0	9232.3	9148.4	9034.0	8891.8	8719.7	8518.5	8279.5	7997.6	7677.4	7307.4
-17.5°	9245.0	9180.6	9085.3	8962.7	8810.2	8631.4	8421.1	8174.7	7890.8	7567.9	7195.4
-20°	9191.5	9108.3	8999.9	8868.5	8712.3	8531.2	8311.7	8056.1	7765.7	7433.3	7051.7



REPORT NUMBER: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9108.3	9012.4	8898.1	8761.5	8595.5	8401.5	8176.5	7918.8	7627.0	7283.7	6891.6
-25°	8999.9	8898.1	8775.8	8627.6	8456.4	8258.6	8023.4	7756.2	7452.2	7105.6	6713.7
-27.5°	8868.5	8761.5	8627.6	8474.9	8296.9	8083.5	7844.1	7575.3	7262.5	6901.4	6507.2
-30°	8712.3	8595.5	8456.4	8296.9	8103.7	7888.6	7646.0	7359.2	7036.6	6677.9	6286.0
-32.5°	8531.2	8401.5	8258.6	8083.5	7888.6	7667.7	7408.2	7118.8	6789.5	6426.4	6031.3
-35°	8311.7	8176.5	8023.4	7844.1	7646.0	7408.2	7146.4	6843.3	6511.7	6154.1	5756.7
-37.5°	8056.1	7918.8	7756.2	7575.3	7359.2	7118.8	6843.3	6540.3	6216.0	5847.5	5447.6
-40°	7765.7	7627.0	7452.2	7262.5	7036.6	6789.5	6511.7	6216.0	5877.9	5513.6	5115.2
-42.5°	7433.3	7283.7	7105.6	6901.4	6677.9	6426.4	6154.1	5847.5	5513.6	5147.7	4735.3
-45°	7051.7	6891.6	6713.7	6507.2	6286.0	6031.3	5756.7	5447.6	5115.2	4735.3	4332.7
-47.5°	6622.4	6461.5	6284.8	6078.0	5850.0	5600.8	5316.6	5015.3	4663.1	4295.4	3899.2
-50°	6155.4	5990.9	5809.8	5607.3	5372.9	5122.8	4834.5	4519.9	4184.2	3825.8	3458.5
-52.5°	5640.3	5472.5	5287.6	5086.2	4847.1	4585.3	4306.6	4000.7	3680.2	3353.4	3016.9
-55°	5069.3	4898.9	4706.8	4497.5	4268.7	4016.0	3747.6	3468.2	3180.0	2879.0	2608.9
-57.5°	4424.6	4262.2	4078.3	3877.5	3660.6	3433.2	3193.7	2940.5	2702.3	2462.9	2223.2
-60°	3747.6	3596.0	3433.2	3255.6	3063.5	2859.8	2671.0	2471.2	2261.1	2089.8	1912.6
-62.5°	3079.7	2946.6	2809.7	2671.0	2520.8	2359.6	2203.3	2062.6	1914.5	1762.4	1627.4
-65°	2478.2	2375.2	2261.1	2163.4	2058.7	1946.3	1826.4	1712.4	1600.7	1483.6	1365.0
-67.5°	1983.6	1912.6	1833.9	1752.8	1674.9	1591.2	1501.8	1407.0	1322.0	1239.0	1152.2
-70°	1578.1	1525.9	1468.1	1404.8	1345.1	1286.6	1224.1	1157.8	1087.7	1026.0	967.4
-72.5°	1242.2	1206.4	1166.7	1123.1	1075.9	1034.3	992.8	948.8	902.4	853.5	804.9
-75°	975.2	952.0	926.2	897.9	867.3	834.2	801.8	768.7	733.8	697.0	658.4
-77.5°	759.1	742.1	723.3	702.7	680.3	656.1	630.3	602.3	571.8	539.8	506.2
-80°	558.3	544.2	528.5	511.2	492.5	472.3	450.7	427.7	403.4	379.0	354.6
-82.5°	354.0	344.4	333.7	322.0	309.3	295.6	280.9	265.2	248.7	231.3	213.0
-85°	172.5	168.1	163.2	157.9	152.1	145.8	139.1	131.9	124.4	116.4	108.1
-87.5°	47.8	47.0	46.1	45.1	44.1	42.9	41.7	40.4	39.0	37.5	36.0
-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: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.4	32.7	31.0	29.2	27.3	25.4	23.5	21.5	19.5	17.4	15.3
85°	99.3	90.3	80.8	71.1	61.1	50.9	47.0	43.0	38.9	34.8	30.6
82.5°	194.0	178.8	164.7	150.1	135.1	119.6	103.7	87.5	71.0	54.1	45.8
80°	329.1	302.7	275.2	246.9	217.7	188.1	167.0	145.4	123.4	101.0	78.2
77.5°	471.1	434.7	396.9	360.9	324.4	286.9	248.5	209.2	175.4	147.5	119.0
75°	618.2	574.8	529.4	482.6	434.4	385.4	339.3	292.3	244.3	195.5	159.5
72.5°	757.9	709.2	658.7	606.3	550.0	492.3	433.3	374.6	318.7	262.0	204.3
70°	906.4	843.0	783.0	723.4	662.2	598.7	531.3	462.5	392.4	327.6	262.0
67.5°	1062.3	990.9	917.1	841.0	770.1	699.5	627.3	550.9	472.3	392.4	318.7
65°	1264.4	1160.1	1055.1	970.6	883.8	798.3	718.3	636.7	550.9	462.5	374.6
62.5°	1487.1	1349.7	1231.1	1109.0	1002.9	905.3	807.8	718.3	627.3	531.3	433.3
60°	1736.8	1578.1	1414.4	1274.0	1137.5	1013.7	905.3	798.3	699.5	598.7	492.3
57.5°	2023.4	1816.9	1633.0	1450.9	1288.3	1137.5	1002.9	883.8	770.1	662.2	550.0
55°	2329.9	2090.4	1861.3	1651.4	1450.9	1274.0	1109.0	970.6	841.0	723.4	606.3
52.5°	2697.3	2388.4	2112.9	1861.3	1633.0	1414.4	1231.1	1055.1	917.1	783.0	658.7
50°	3086.3	2726.9	2388.4	2090.4	1816.9	1578.1	1349.7	1160.1	990.9	843.0	709.2
47.5°	3493.6	3086.3	2697.3	2329.9	2023.4	1736.8	1487.1	1264.4	1062.3	906.4	757.9
45°	3899.2	3458.5	3016.9	2608.9	2223.2	1912.6	1627.4	1365.0	1152.2	967.4	804.9
42.5°	4295.4	3825.8	3353.4	2879.0	2462.9	2089.8	1762.4	1483.6	1239.0	1026.0	853.5
40°	4663.1	4184.2	3680.2	3180.0	2702.3	2261.1	1914.5	1600.7	1322.0	1087.7	902.4
37.5°	5015.3	4519.9	4000.7	3468.2	2940.5	2471.2	2062.6	1712.4	1407.0	1157.8	948.8
35°	5316.6	4834.5	4306.6	3747.6	3193.7	2671.0	2203.3	1826.4	1501.8	1224.1	992.8
32.5°	5600.8	5122.8	4585.3	4016.0	3433.2	2859.8	2359.6	1946.3	1591.2	1286.6	1034.3
30°	5850.0	5372.9	4847.1	4268.7	3660.6	3063.5	2520.8	2058.7	1674.9	1345.1	1075.9
27.5°	6078.0	5607.3	5086.2	4497.5	3877.5	3255.6	2671.0	2163.4	1752.8	1404.8	1123.1
25°	6284.8	5809.8	5287.6	4706.8	4078.3	3433.2	2809.7	2261.1	1833.9	1468.1	1166.7
22.5°	6461.5	5990.9	5472.5	4898.9	4262.2	3596.0	2946.6	2375.2	1912.6	1525.9	1206.4
20°	6622.4	6155.4	5640.3	5069.3	4424.6	3747.6	3079.7	2478.2	1983.6	1578.1	1242.2
17.5°	6764.8	6295.8	5778.3	5206.9	4566.6	3882.7	3198.2	2569.9	2046.7	1624.4	1274.0
15°	6881.5	6412.5	5897.0	5327.3	4690.8	4000.7	3301.7	2649.9	2101.7	1664.8	1301.7
12.5°	6981.4	6512.3	5998.5	5430.1	4796.8	4101.4	3389.9	2718.0	2148.5	1699.1	1325.3
10°	7064.1	6594.8	6082.2	5514.9	4884.1	4184.2	3462.4	2774.0	2187.0	1727.3	1344.6
7.5°	7129.0	6659.4	6147.7	5581.3	4952.3	4249.0	3519.1	2817.7	2217.1	1749.4	1359.7
5°	7175.6	6705.9	6194.8	5628.9	5001.3	4295.4	3559.7	2849.1	2238.6	1765.2	1370.5
2.5°	7203.7	6733.9	6223.1	5657.5	5030.8	4323.4	3584.1	2867.9	2251.6	1774.6	1377.0
0°	7213.1	6743.2	6232.6	5667.1	5040.6	4332.7	3592.3	2874.2	2255.9	1777.8	1379.2
-2.5°	7203.7	6733.9	6223.1	5657.5	5030.8	4323.4	3584.1	2867.9	2251.6	1774.6	1377.0
-5°	7175.6	6705.9	6194.8	5628.9	5001.3	4295.4	3559.7	2849.1	2238.6	1765.2	1370.5
-7.5°	7129.0	6659.4	6147.7	5581.3	4952.3	4249.0	3519.1	2817.7	2217.1	1749.4	1359.7
-10°	7064.1	6594.8	6082.2	5514.9	4884.1	4184.2	3462.4	2774.0	2187.0	1727.3	1344.6
-12.5°	6981.4	6512.3	5998.5	5430.1	4796.8	4101.4	3389.9	2718.0	2148.5	1699.1	1325.3
-15°	6881.5	6412.5	5897.0	5327.3	4690.8	4000.7	3301.7	2649.9	2101.7	1664.8	1301.7
-17.5°	6764.8	6295.8	5778.3	5206.9	4566.6	3882.7	3198.2	2569.9	2046.7	1624.4	1274.0
-20°	6622.4	6155.4	5640.3	5069.3	4424.6	3747.6	3079.7	2478.2	1983.6	1578.1	1242.2



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6461.5	5990.9	5472.5	4898.9	4262.2	3596.0	2946.6	2375.2	1912.6	1525.9	1206.4
-25°	6284.8	5809.8	5287.6	4706.8	4078.3	3433.2	2809.7	2261.1	1833.9	1468.1	1166.7
-27.5°	6078.0	5607.3	5086.2	4497.5	3877.5	3255.6	2671.0	2163.4	1752.8	1404.8	1123.1
-30°	5850.0	5372.9	4847.1	4268.7	3660.6	3063.5	2520.8	2058.7	1674.9	1345.1	1075.9
-32.5°	5600.8	5122.8	4585.3	4016.0	3433.2	2859.8	2359.6	1946.3	1591.2	1286.6	1034.3
-35°	5316.6	4834.5	4306.6	3747.6	3193.7	2671.0	2203.3	1826.4	1501.8	1224.1	992.8
-37.5°	5015.3	4519.9	4000.7	3468.2	2940.5	2471.2	2062.6	1712.4	1407.0	1157.8	948.8
-40°	4663.1	4184.2	3680.2	3180.0	2702.3	2261.1	1914.5	1600.7	1322.0	1087.7	902.4
-42.5°	4295.4	3825.8	3353.4	2879.0	2462.9	2089.8	1762.4	1483.6	1239.0	1026.0	853.5
-45°	3899.2	3458.5	3016.9	2608.9	2223.2	1912.6	1627.4	1365.0	1152.2	967.4	804.9
-47.5°	3493.6	3086.3	2697.3	2329.9	2023.4	1736.8	1487.1	1264.4	1062.3	906.4	757.9
-50°	3086.3	2726.9	2388.4	2090.4	1816.9	1578.1	1349.7	1160.1	990.9	843.0	709.2
-52.5°	2697.3	2388.4	2112.9	1861.3	1633.0	1414.4	1231.1	1055.1	917.1	783.0	658.7
-55°	2329.9	2090.4	1861.3	1651.4	1450.9	1274.0	1109.0	970.6	841.0	723.4	606.3
-57.5°	2023.4	1816.9	1633.0	1450.9	1288.3	1137.5	1002.9	883.8	770.1	662.2	550.0
-60°	1736.8	1578.1	1414.4	1274.0	1137.5	1013.7	905.3	798.3	699.5	598.7	492.3
-62.5°	1487.1	1349.7	1231.1	1109.0	1002.9	905.3	807.8	718.3	627.3	531.3	433.3
-65°	1264.4	1160.1	1055.1	970.6	883.8	798.3	718.3	636.7	550.9	462.5	374.6
-67.5°	1062.3	990.9	917.1	841.0	770.1	699.5	627.3	550.9	472.3	392.4	318.7
-70°	906.4	843.0	783.0	723.4	662.2	598.7	531.3	462.5	392.4	327.6	262.0
-72.5°	757.9	709.2	658.7	606.3	550.0	492.3	433.3	374.6	318.7	262.0	204.3
-75°	618.2	574.8	529.4	482.6	434.4	385.4	339.3	292.3	244.3	195.5	159.5
-77.5°	471.1	434.7	396.9	360.9	324.4	286.9	248.5	209.2	175.4	147.5	119.0
-80°	329.1	302.7	275.2	246.9	217.7	188.1	167.0	145.4	123.4	101.0	78.2
-82.5°	194.0	178.8	164.7	150.1	135.1	119.6	103.7	87.5	71.0	54.1	45.8
-85°	99.3	90.3	80.8	71.1	61.1	50.9	47.0	43.0	38.9	34.8	30.6
-87.5°	34.4	32.7	31.0	29.2	27.3	25.4	23.5	21.5	19.5	17.4	15.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	13.2	11.0	8.8	6.6	4.4	2.2	0.0
85°	26.3	22.0	17.7	13.3	8.9	4.4	0.0
82.5°	39.4	33.0	26.4	19.9	13.3	6.6	0.0
80°	55.1	43.9	35.2	26.4	17.7	8.8	0.0
77.5°	90.2	61.1	43.9	33.0	22.0	11.0	0.0
75°	125.1	90.2	55.1	39.4	26.3	13.2	0.0
72.5°	159.5	119.0	78.2	45.8	30.6	15.3	0.0
70°	195.5	147.5	101.0	54.1	34.8	17.4	0.0
67.5°	244.3	175.4	123.4	71.0	38.9	19.5	0.0
65°	292.3	209.2	145.4	87.5	43.0	21.5	0.0
62.5°	339.3	248.5	167.0	103.7	47.0	23.5	0.0
60°	385.4	286.9	188.1	119.6	50.9	25.4	0.0
57.5°	434.4	324.4	217.7	135.1	61.1	27.3	0.0
55°	482.6	360.9	246.9	150.1	71.1	29.2	0.0
52.5°	529.4	396.9	275.2	164.7	80.8	31.0	0.0
50°	574.8	434.7	302.7	178.8	90.3	32.7	0.0
47.5°	618.2	471.1	329.1	194.0	99.3	34.4	0.0
45°	658.4	506.2	354.6	213.0	108.1	36.0	0.0
42.5°	697.0	539.8	379.0	231.3	116.4	37.5	0.0
40°	733.8	571.8	403.4	248.7	124.4	39.0	0.0
37.5°	768.7	602.3	427.7	265.2	131.9	40.4	0.0
35°	801.8	630.3	450.7	280.9	139.1	41.7	0.0
32.5°	834.2	656.1	472.3	295.6	145.8	42.9	0.0
30°	867.3	680.3	492.5	309.3	152.1	44.1	0.0
27.5°	897.9	702.7	511.2	322.0	157.9	45.1	0.0
25°	926.2	723.3	528.5	333.7	163.2	46.1	0.0
22.5°	952.0	742.1	544.2	344.4	168.1	47.0	0.0
20°	975.2	759.1	558.3	354.0	172.5	47.8	0.0
17.5°	995.8	774.1	570.9	362.5	176.4	48.5	0.0
15°	1013.7	787.2	581.8	369.9	179.8	49.2	0.0
12.5°	1029.0	798.3	591.1	376.2	182.6	49.7	0.0
10°	1041.5	807.5	598.7	381.4	185.0	50.1	0.0
7.5°	1051.3	814.6	604.6	385.4	186.8	50.5	0.0
5°	1058.3	819.7	608.9	388.3	188.1	50.7	0.0
2.5°	1062.5	822.8	611.4	390.0	188.9	50.9	0.0
0°	1063.9	823.8	612.3	390.6	189.2	50.9	0.0
-2.5°	1062.5	822.8	611.4	390.0	188.9	50.9	0.0
-5°	1058.3	819.7	608.9	388.3	188.1	50.7	0.0
-7.5°	1051.3	814.6	604.6	385.4	186.8	50.5	0.0
-10°	1041.5	807.5	598.7	381.4	185.0	50.1	0.0
-12.5°	1029.0	798.3	591.1	376.2	182.6	49.7	0.0
-15°	1013.7	787.2	581.8	369.9	179.8	49.2	0.0
-17.5°	995.8	774.1	570.9	362.5	176.4	48.5	0.0
-20°	975.2	759.1	558.3	354.0	172.5	47.8	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645524 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	952.0	742.1	544.2	344.4	168.1	47.0	0.0
-25°	926.2	723.3	528.5	333.7	163.2	46.1	0.0
-27.5°	897.9	702.7	511.2	322.0	157.9	45.1	0.0
-30°	867.3	680.3	492.5	309.3	152.1	44.1	0.0
-32.5°	834.2	656.1	472.3	295.6	145.8	42.9	0.0
-35°	801.8	630.3	450.7	280.9	139.1	41.7	0.0
-37.5°	768.7	602.3	427.7	265.2	131.9	40.4	0.0
-40°	733.8	571.8	403.4	248.7	124.4	39.0	0.0
-42.5°	697.0	539.8	379.0	231.3	116.4	37.5	0.0
-45°	658.4	506.2	354.6	213.0	108.1	36.0	0.0
-47.5°	618.2	471.1	329.1	194.0	99.3	34.4	0.0
-50°	574.8	434.7	302.7	178.8	90.3	32.7	0.0
-52.5°	529.4	396.9	275.2	164.7	80.8	31.0	0.0
-55°	482.6	360.9	246.9	150.1	71.1	29.2	0.0
-57.5°	434.4	324.4	217.7	135.1	61.1	27.3	0.0
-60°	385.4	286.9	188.1	119.6	50.9	25.4	0.0
-62.5°	339.3	248.5	167.0	103.7	47.0	23.5	0.0
-65°	292.3	209.2	145.4	87.5	43.0	21.5	0.0
-67.5°	244.3	175.4	123.4	71.0	38.9	19.5	0.0
-70°	195.5	147.5	101.0	54.1	34.8	17.4	0.0
-72.5°	159.5	119.0	78.2	45.8	30.6	15.3	0.0
-75°	125.1	90.2	55.1	39.4	26.3	13.2	0.0
-77.5°	90.2	61.1	43.9	33.0	22.0	11.0	0.0
-80°	55.1	43.9	35.2	26.4	17.7	8.8	0.0
-82.5°	39.4	33.0	26.4	19.9	13.3	6.6	0.0
-85°	26.3	22.0	17.7	13.3	8.9	4.4	0.0
-87.5°	13.2	11.0	8.8	6.6	4.4	2.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)