

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: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-750-U-MWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4D-750-U-MWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N105  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

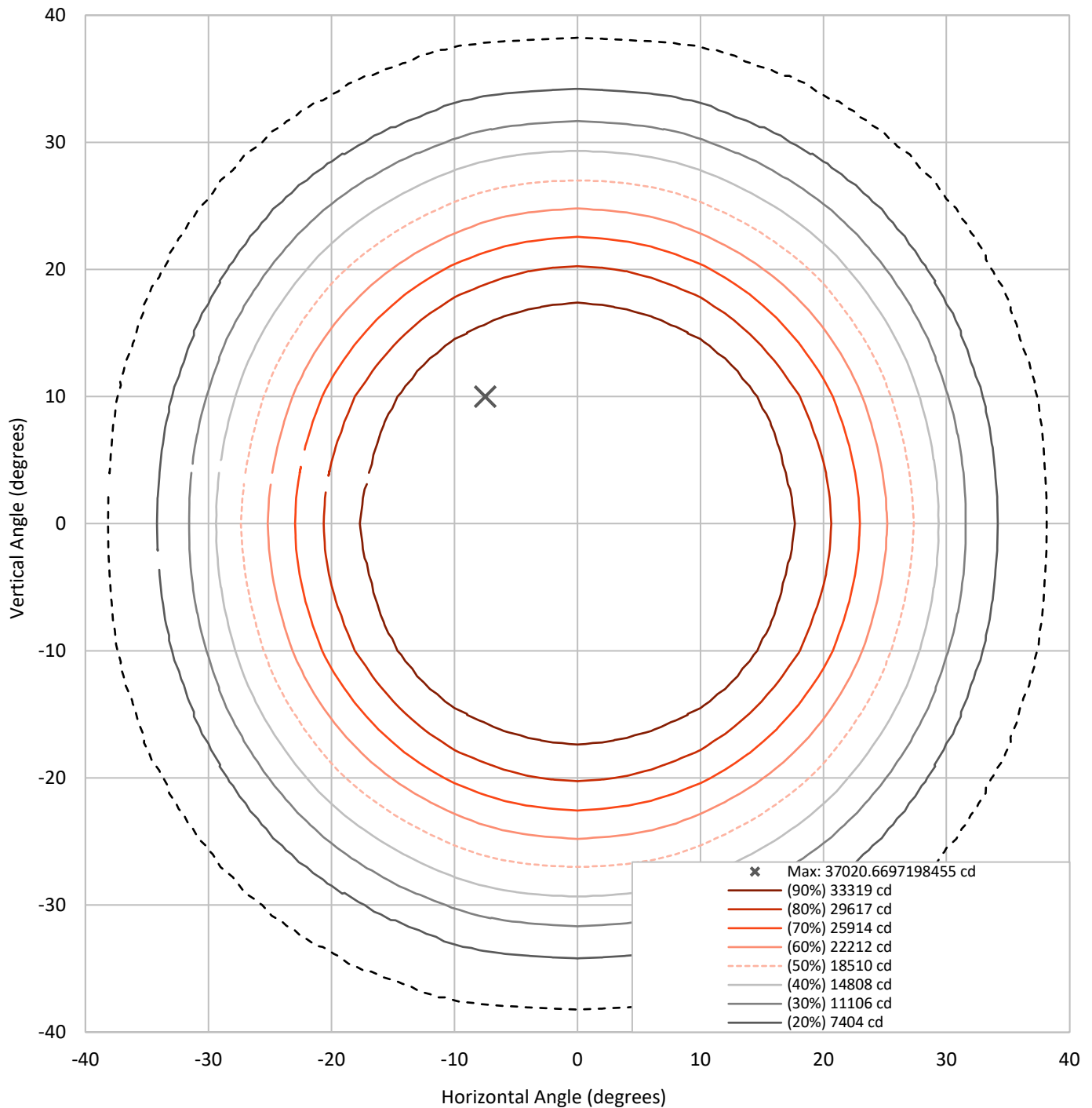
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	31508.1 lumens	Max Intensity:	37020.7 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	142.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	20913.2 lumens	Field Lumens:	27193.2 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	221.4		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





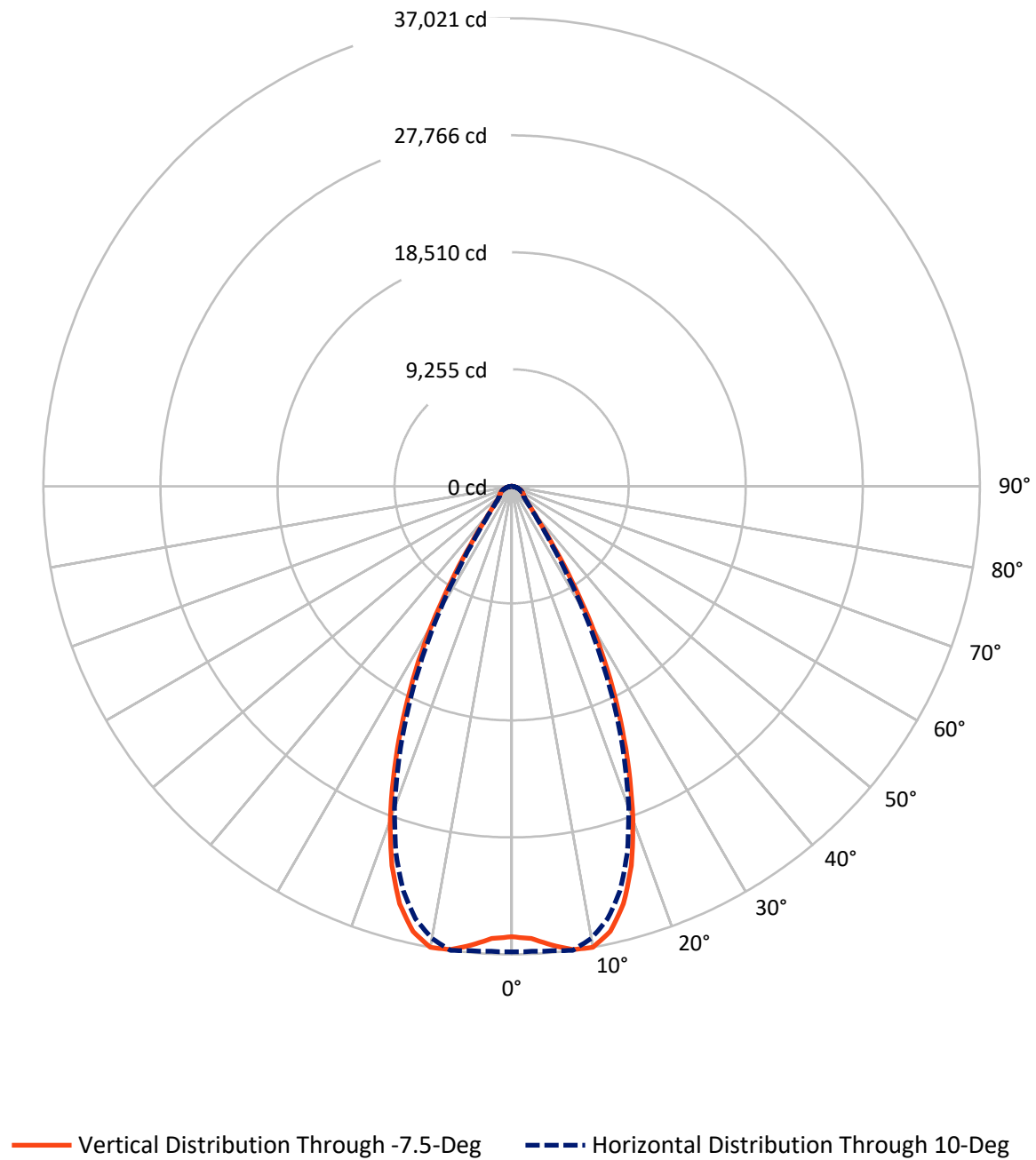
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### Lumen Table

90																
80	0.8	7.4		19.8		31.3		34.9		31.3		19.8		7.4		0.8
70																
60	3.4	3.8	7.7	12.6	17.7	21.4	24.2	25.6	25.6	24.2	21.4	17.7	12.6	7.7	3.8	3.4
50		5.7	11.4	18.2	24.3	29.4	32.9	34.3	34.3	32.9	29.4	24.3	18.2	11.4	5.7	
40	5.9	7.3	14.4	22.1	29.6	38.5	48.4	55.6	55.6	48.4	38.5	29.6	22.1	14.4	7.3	5.9
30		8.7	16.7	25.4	39.2	71.6	137.1	203.2	203.2	137.1	71.6	39.2	25.4	16.7	8.7	
20	7.7	9.7	18.2	29.6	64.5	202.3	453.8	633.7	633.7	453.8	202.3	64.5	29.6	18.2	9.7	7.7
10		10.4	19.2	35.2	116.7	431.2	823.4	1030.6	1030.6	823.4	431.2	116.7	35.2	19.2	10.4	
0	8.3	10.7	19.7	39.6	168.0	590.1	999.0	1086.9	1086.9	999.0	590.1	168.0	39.6	19.7	10.7	8.3
-10		10.7	19.7	39.6	168.0	590.1	999.0	1086.9	1086.9	999.0	590.1	168.0	39.6	19.7	10.7	
-20	7.7	10.4	19.2	35.2	116.7	431.2	823.4	1030.6	1030.6	823.4	431.2	116.7	35.2	19.2	10.4	7.7
-30		9.7	18.2	29.6	64.5	202.3	453.8	633.7	633.7	453.8	202.3	64.5	29.6	18.2	9.7	
-40	5.9	8.7	16.7	25.4	39.2	71.6	137.1	203.2	203.2	137.1	71.6	39.2	25.4	16.7	8.7	5.9
-50		7.3	14.4	22.1	29.6	38.5	48.4	55.6	55.6	48.4	38.5	29.6	22.1	14.4	7.3	
-60	3.4	5.7	11.4	18.2	24.3	29.4	32.9	34.3	34.3	32.9	29.4	24.3	18.2	11.4	5.7	3.4
-70		3.8	7.7	12.6	17.7	21.4	24.2	25.6	25.6	24.2	21.4	17.7	12.6	7.7	3.8	
-80																
-90	0.8	7.4		19.8		31.3		34.9		31.3		19.8		7.4		0.8
Horizontal Angle (degrees)																

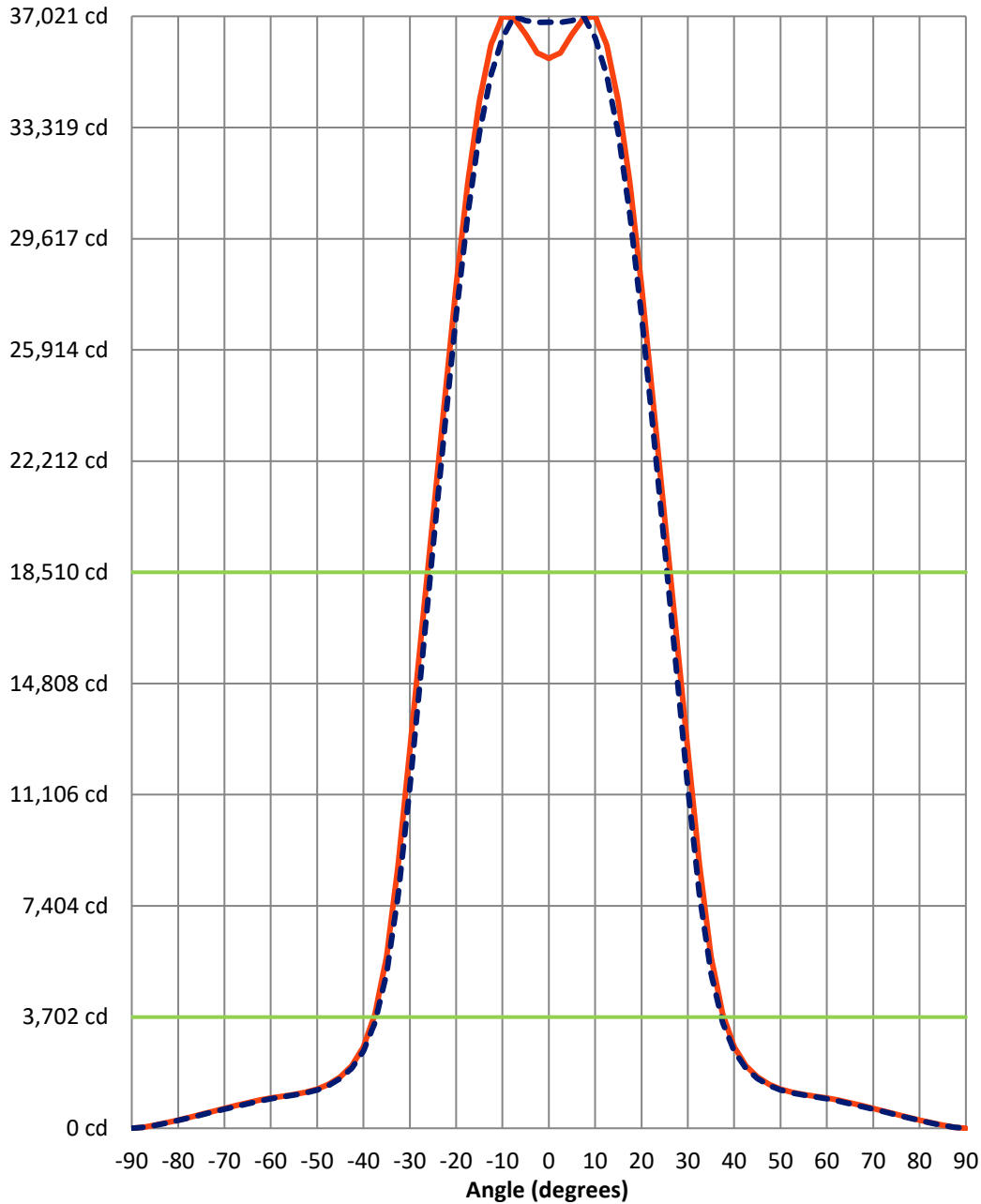
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 20913.2  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 27193.2  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 4315  
 Efficiency: 13.7%

— Vertical Distribution through -7.5-Deg  
 - - Horizontal Distribution through 10-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	1.4	2.8	4.2	5.6	7.0	8.4	10.2	12.2	14.3	16.4
85°	0.0	2.8	5.6	8.4	11.2	14.0	16.8	20.4	24.3	28.5	32.8
82.5°	0.0	4.2	8.4	12.7	16.8	21.0	25.1	30.5	37.1	46.8	56.0
80°	0.0	5.6	11.2	16.8	22.4	27.9	34.6	47.6	60.2	72.0	83.1
77.5°	0.0	7.0	14.0	21.0	27.9	37.7	52.7	68.2	83.1	97.1	112.1
75°	0.0	8.4	16.8	25.1	34.6	52.7	70.6	88.7	106.3	126.7	146.8
72.5°	0.0	9.7	19.5	29.2	46.5	67.5	88.4	110.0	134.1	157.9	181.2
70°	0.0	11.1	22.1	34.1	58.2	82.2	106.3	134.1	161.6	188.6	217.0
67.5°	0.0	12.4	24.8	42.8	69.8	96.6	126.5	157.9	188.6	220.3	252.7
65°	0.0	13.7	27.4	51.3	81.1	111.8	146.4	181.2	215.9	251.4	289.1
62.5°	0.0	15.0	29.9	59.6	92.3	127.7	165.7	204.2	242.5	282.6	328.1
60°	0.0	16.2	32.4	67.8	103.2	143.2	184.5	226.6	268.5	316.5	366.1
57.5°	0.0	17.4	37.6	75.8	115.0	158.3	203.3	248.4	296.7	349.5	402.0
55°	0.0	18.6	42.7	83.6	126.6	172.9	221.8	269.8	324.8	381.1	436.4
52.5°	0.0	19.7	47.6	91.1	137.7	187.1	239.9	293.3	351.8	411.2	469.8
50°	0.0	20.8	52.3	98.4	148.5	201.9	257.5	316.2	377.8	440.3	502.2
47.5°	0.0	21.9	56.8	105.5	158.8	216.1	274.8	338.2	402.8	468.4	533.4
45°	0.0	22.9	61.1	112.9	168.6	229.9	292.7	359.2	426.9	495.4	563.5
42.5°	0.0	23.9	65.2	119.9	178.0	243.2	309.8	379.1	449.7	521.3	591.9
40°	0.0	24.8	69.1	126.4	187.5	255.9	326.0	398.0	471.6	546.0	619.2
37.5°	0.0	25.7	72.7	132.5	197.2	268.1	341.2	415.8	492.7	569.9	645.5
35°	0.0	26.5	76.1	138.2	206.4	279.9	355.6	432.5	512.8	592.2	670.0
32.5°	0.0	27.3	79.3	143.5	215.0	291.1	368.9	447.9	531.8	612.9	691.6
30°	0.0	28.1	82.2	148.4	223.1	301.5	381.2	462.5	549.8	632.0	711.7
27.5°	0.0	28.7	84.9	153.0	230.3	311.1	392.6	476.9	566.2	649.5	730.3
25°	0.0	29.4	87.3	157.1	236.8	319.8	402.8	490.1	580.4	664.9	747.4
22.5°	0.0	29.9	89.4	160.8	242.8	327.6	412.1	502.3	593.2	678.7	762.8
20°	0.0	30.4	91.3	164.1	248.0	334.2	420.2	513.2	604.5	690.9	776.5
17.5°	0.0	30.9	93.0	167.0	252.6	340.0	427.6	523.0	614.3	701.6	788.5
15°	0.0	31.3	94.3	169.5	256.5	344.9	434.3	531.7	622.6	710.8	798.8
12.5°	0.0	31.6	95.5	171.5	259.8	349.0	440.0	539.5	630.0	718.4	807.4
10°	0.0	31.9	96.3	173.0	262.3	352.2	444.8	545.8	636.4	725.5	814.6
7.5°	0.0	32.1	96.9	174.2	264.2	354.5	448.5	550.8	641.4	731.2	821.0
5°	0.0	32.3	97.3	174.9	265.3	356.0	451.3	554.3	645.0	735.3	825.6
2.5°	0.0	32.4	97.4	175.1	265.8	356.6	452.9	556.5	647.2	737.8	828.4
0°	0.0	32.4	97.2	174.9	265.6	356.3	453.5	557.2	647.9	738.6	829.3
-2.5°	0.0	32.4	97.4	175.1	265.8	356.6	452.9	556.5	647.2	737.8	828.4
-5°	0.0	32.3	97.3	174.9	265.3	356.0	451.3	554.3	645.0	735.3	825.6
-7.5°	0.0	32.1	96.9	174.2	264.2	354.5	448.5	550.8	641.4	731.2	821.0
-10°	0.0	31.9	96.3	173.0	262.3	352.2	444.8	545.8	636.4	725.5	814.6
-12.5°	0.0	31.6	95.5	171.5	259.8	349.0	440.0	539.5	630.0	718.4	807.4
-15°	0.0	31.3	94.3	169.5	256.5	344.9	434.3	531.7	622.6	710.8	798.8
-17.5°	0.0	30.9	93.0	167.0	252.6	340.0	427.6	523.0	614.3	701.6	788.5
-20°	0.0	30.4	91.3	164.1	248.0	334.2	420.2	513.2	604.5	690.9	776.5

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Scaled Data Report



REPORT NUMBER: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	29.9	89.4	160.8	242.8	327.6	412.1	502.3	593.2	678.7	762.8
-25°	0.0	29.4	87.3	157.1	236.8	319.8	402.8	490.1	580.4	664.9	747.4
-27.5°	0.0	28.7	84.9	153.0	230.3	311.1	392.6	476.9	566.2	649.5	730.3
-30°	0.0	28.1	82.2	148.4	223.1	301.5	381.2	462.5	549.8	632.0	711.7
-32.5°	0.0	27.3	79.3	143.5	215.0	291.1	368.9	447.9	531.8	612.9	691.6
-35°	0.0	26.5	76.1	138.2	206.4	279.9	355.6	432.5	512.8	592.2	670.0
-37.5°	0.0	25.7	72.7	132.5	197.2	268.1	341.2	415.8	492.7	569.9	645.5
-40°	0.0	24.8	69.1	126.4	187.5	255.9	326.0	398.0	471.6	546.0	619.2
-42.5°	0.0	23.9	65.2	119.9	178.0	243.2	309.8	379.1	449.7	521.3	591.9
-45°	0.0	22.9	61.1	112.9	168.6	229.9	292.7	359.2	426.9	495.4	563.5
-47.5°	0.0	21.9	56.8	105.5	158.8	216.1	274.8	338.2	402.8	468.4	533.4
-50°	0.0	20.8	52.3	98.4	148.5	201.9	257.5	316.2	377.8	440.3	502.2
-52.5°	0.0	19.7	47.6	91.1	137.7	187.1	239.9	293.3	351.8	411.2	469.8
-55°	0.0	18.6	42.7	83.6	126.6	172.9	221.8	269.8	324.8	381.1	436.4
-57.5°	0.0	17.4	37.6	75.8	115.0	158.3	203.3	248.4	296.7	349.5	402.0
-60°	0.0	16.2	32.4	67.8	103.2	143.2	184.5	226.6	268.5	316.5	366.1
-62.5°	0.0	15.0	29.9	59.6	92.3	127.7	165.7	204.2	242.5	282.6	328.1
-65°	0.0	13.7	27.4	51.3	81.1	111.8	146.4	181.2	215.9	251.4	289.1
-67.5°	0.0	12.4	24.8	42.8	69.8	96.6	126.5	157.9	188.6	220.3	252.7
-70°	0.0	11.1	22.1	34.1	58.2	82.2	106.3	134.1	161.6	188.6	217.0
-72.5°	0.0	9.7	19.5	29.2	46.5	67.5	88.4	110.0	134.1	157.9	181.2
-75°	0.0	8.4	16.8	25.1	34.6	52.7	70.6	88.7	106.3	126.7	146.8
-77.5°	0.0	7.0	14.0	21.0	27.9	37.7	52.7	68.2	83.1	97.1	112.1
-80°	0.0	5.6	11.2	16.8	22.4	27.9	34.6	47.6	60.2	72.0	83.1
-82.5°	0.0	4.2	8.4	12.7	16.8	21.0	25.1	30.5	37.1	46.8	56.0
-85°	0.0	2.8	5.6	8.4	11.2	14.0	16.8	20.4	24.3	28.5	32.8
-87.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.2	12.2	14.3	16.4
-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-SA4D-750-U-MWR-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°	18.0	19.4	20.9	22.3	23.7	25.0	26.3	27.5	28.7	29.8	30.9
85°	35.9	38.9	44.0	49.3	54.3	59.2	63.8	68.3	72.6	76.7	80.6
82.5°	64.2	72.6	81.2	89.9	97.5	104.8	111.9	119.3	126.7	134.0	141.3
80°	94.5	106.1	119.5	132.2	143.3	153.9	164.2	174.0	184.7	196.1	207.7
77.5°	129.4	146.0	161.7	176.4	190.5	205.9	220.8	235.2	250.1	264.9	279.0
75°	166.7	185.8	205.8	225.5	244.7	263.2	281.3	299.8	318.5	337.0	354.7
72.5°	205.4	229.5	253.1	276.1	299.9	323.1	345.5	367.1	389.4	412.1	433.8
70°	245.5	273.0	302.1	330.2	357.0	384.1	411.4	437.8	463.5	489.8	516.0
67.5°	285.9	320.5	353.3	384.5	416.1	447.9	478.7	510.2	540.7	571.4	600.7
65°	330.5	368.3	404.1	439.8	475.6	513.0	549.5	584.7	620.0	654.2	685.0
62.5°	374.2	414.3	454.0	494.6	537.3	579.3	619.1	659.4	700.5	736.4	767.5
60°	414.3	458.9	503.3	549.6	596.8	641.9	686.5	730.4	774.6	815.8	841.3
57.5°	453.1	502.4	551.6	601.4	651.1	701.5	748.4	796.6	837.7	872.5	902.0
55°	490.9	544.4	596.8	649.1	702.8	755.5	806.5	852.3	892.5	921.4	949.9
52.5°	527.6	584.1	638.2	694.8	751.8	807.7	861.0	903.6	936.5	966.1	992.6
50°	563.3	620.7	677.9	739.2	799.4	858.6	908.7	945.9	979.4	1008.2	1036.1
47.5°	596.7	656.6	717.6	782.1	845.5	902.7	948.8	987.7	1021.8	1053.0	1086.0
45°	628.8	692.4	756.9	823.5	888.2	943.5	987.9	1029.8	1061.8	1097.0	1134.8
42.5°	660.0	726.8	794.5	863.2	928.6	980.3	1024.5	1063.0	1100.7	1142.3	1187.9
40°	689.7	759.3	829.9	901.4	966.7	1012.4	1055.8	1096.6	1142.3	1191.7	1244.6
37.5°	717.6	789.8	863.1	937.4	994.7	1041.8	1086.3	1131.7	1184.7	1242.0	1313.9
35°	743.6	818.2	894.0	965.3	1019.7	1069.8	1115.7	1166.4	1228.4	1303.3	1395.3
32.5°	767.7	844.5	922.4	987.9	1042.9	1094.8	1142.0	1205.2	1279.7	1368.9	1499.1
30°	789.9	868.5	946.8	1010.0	1063.7	1115.8	1173.4	1244.5	1331.7	1461.9	1628.4
27.5°	810.6	890.4	965.8	1028.5	1082.3	1136.0	1203.4	1289.7	1404.4	1559.8	1766.8
25°	829.5	911.2	984.1	1044.0	1099.6	1159.2	1232.3	1329.3	1480.3	1680.9	1960.7
22.5°	846.6	930.1	1001.6	1057.3	1115.7	1180.3	1265.7	1387.0	1561.1	1795.3	2156.2
20°	861.9	944.3	1014.8	1070.0	1130.6	1197.8	1295.4	1441.7	1651.6	1954.9	2415.6
17.5°	875.3	956.8	1024.6	1082.2	1145.2	1217.6	1324.3	1489.1	1732.1	2094.2	2677.9
15°	886.8	967.4	1032.9	1092.5	1157.9	1240.3	1364.5	1551.1	1825.6	2239.0	2906.5
12.5°	896.3	976.2	1039.7	1101.0	1168.3	1259.3	1399.0	1609.5	1922.6	2417.0	3243.3
10°	903.8	983.1	1044.9	1107.6	1176.5	1274.5	1427.0	1657.3	2003.0	2571.2	3530.6
7.5°	910.8	988.1	1048.5	1112.2	1182.3	1285.8	1448.2	1694.1	2064.6	2692.2	3758.0
5°	915.9	991.2	1050.5	1114.9	1187.2	1293.3	1462.7	1719.7	2107.2	2778.8	3918.0
2.5°	919.0	992.2	1050.9	1115.7	1190.8	1296.6	1470.2	1733.8	2140.6	2819.7	4003.9
0°	920.0	991.3	1049.6	1114.4	1192.1	1295.8	1470.7	1736.3	2157.5	2818.3	4016.9
-2.5°	919.0	992.2	1050.9	1115.7	1190.8	1296.6	1470.2	1733.8	2140.6	2819.7	4003.9
-5°	915.9	991.2	1050.5	1114.9	1187.2	1293.3	1462.7	1719.7	2107.2	2778.8	3918.0
-7.5°	910.8	988.1	1048.5	1112.2	1182.3	1285.8	1448.2	1694.1	2064.6	2692.2	3758.0
-10°	903.8	983.1	1044.9	1107.6	1176.5	1274.5	1427.0	1657.3	2003.0	2571.2	3530.6
-12.5°	896.3	976.2	1039.7	1101.0	1168.3	1259.3	1399.0	1609.5	1922.6	2417.0	3243.3
-15°	886.8	967.4	1032.9	1092.5	1157.9	1240.3	1364.5	1551.1	1825.6	2239.0	2906.5
-17.5°	875.3	956.8	1024.6	1082.2	1145.2	1217.6	1324.3	1489.1	1732.1	2094.2	2677.9
-20°	861.9	944.3	1014.8	1070.0	1130.6	1197.8	1295.4	1441.7	1651.6	1954.9	2415.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	846.6	930.1	1001.6	1057.3	1115.7	1180.3	1265.7	1387.0	1561.1	1795.3	2156.2
-25°	829.5	911.2	984.1	1044.0	1099.6	1159.2	1232.3	1329.3	1480.3	1680.9	1960.7
-27.5°	810.6	890.4	965.8	1028.5	1082.3	1136.0	1203.4	1289.7	1404.4	1559.8	1766.8
-30°	789.9	868.5	946.8	1010.0	1063.7	1115.8	1173.4	1244.5	1331.7	1461.9	1628.4
-32.5°	767.7	844.5	922.4	987.9	1042.9	1094.8	1142.0	1205.2	1279.7	1368.9	1499.1
-35°	743.6	818.2	894.0	965.3	1019.7	1069.8	1115.7	1166.4	1228.4	1303.3	1395.3
-37.5°	717.6	789.8	863.1	937.4	994.7	1041.8	1086.3	1131.7	1184.7	1242.0	1313.9
-40°	689.7	759.3	829.9	901.4	966.7	1012.4	1055.8	1096.6	1142.3	1191.7	1244.6
-42.5°	660.0	726.8	794.5	863.2	928.6	980.3	1024.5	1063.0	1100.7	1142.3	1187.9
-45°	628.8	692.4	756.9	823.5	888.2	943.5	987.9	1029.8	1061.8	1097.0	1134.8
-47.5°	596.7	656.6	717.6	782.1	845.5	902.7	948.8	987.7	1021.8	1053.0	1086.0
-50°	563.3	620.7	677.9	739.2	799.4	858.6	908.7	945.9	979.4	1008.2	1036.1
-52.5°	527.6	584.1	638.2	694.8	751.8	807.7	861.0	903.6	936.5	966.1	992.6
-55°	490.9	544.4	596.8	649.1	702.8	755.5	806.5	852.3	892.5	921.4	949.9
-57.5°	453.1	502.4	551.6	601.4	651.1	701.5	748.4	796.6	837.7	872.5	902.0
-60°	414.3	458.9	503.3	549.6	596.8	641.9	686.5	730.4	774.6	815.8	841.3
-62.5°	374.2	414.3	454.0	494.6	537.3	579.3	619.1	659.4	700.5	736.4	767.5
-65°	330.5	368.3	404.1	439.8	475.6	513.0	549.5	584.7	620.0	654.2	685.0
-67.5°	285.9	320.5	353.3	384.5	416.1	447.9	478.7	510.2	540.7	571.4	600.7
-70°	245.5	273.0	302.1	330.2	357.0	384.1	411.4	437.8	463.5	489.8	516.0
-72.5°	205.4	229.5	253.1	276.1	299.9	323.1	345.5	367.1	389.4	412.1	433.8
-75°	166.7	185.8	205.8	225.5	244.7	263.2	281.3	299.8	318.5	337.0	354.7
-77.5°	129.4	146.0	161.7	176.4	190.5	205.9	220.8	235.2	250.1	264.9	279.0
-80°	94.5	106.1	119.5	132.2	143.3	153.9	164.2	174.0	184.7	196.1	207.7
-82.5°	64.2	72.6	81.2	89.9	97.5	104.8	111.9	119.3	126.7	134.0	141.3
-85°	35.9	38.9	44.0	49.3	54.3	59.2	63.8	68.3	72.6	76.7	80.6
-87.5°	18.0	19.4	20.9	22.3	23.7	25.0	26.3	27.5	28.7	29.8	30.9
-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: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-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°	31.9	31.4	30.9	30.2	29.4	31.4	33.5	35.5	37.6	36.4	35.1
85°	84.3	86.2	87.8	89.2	90.4	94.4	98.2	101.9	105.2	105.1	104.8
82.5°	148.4	153.1	157.3	161.0	164.2	168.9	173.2	176.8	179.9	182.2	184.2
80°	218.7	226.5	233.1	239.1	244.5	250.7	256.5	261.6	266.1	268.6	270.1
77.5°	292.9	304.3	314.4	324.1	333.2	342.3	350.6	357.9	364.4	365.9	365.5
75°	371.6	386.8	401.1	414.3	426.5	437.0	445.8	453.3	459.4	462.4	464.1
72.5°	454.4	473.1	489.9	505.0	518.0	528.8	538.2	546.3	553.2	557.5	560.1
70°	540.8	562.9	580.2	594.4	605.5	616.3	628.3	639.9	650.6	656.7	659.0
67.5°	627.4	650.4	666.2	679.1	689.3	699.9	715.1	728.8	741.0	749.2	754.4
65°	712.2	736.3	752.2	764.7	774.0	784.6	801.6	815.2	825.5	833.7	841.1
62.5°	796.0	820.4	838.0	852.8	866.4	878.1	892.0	903.4	912.2	920.3	929.5
60°	868.6	897.5	916.0	931.0	947.9	966.1	976.3	984.9	992.3	998.8	1004.5
57.5°	927.9	953.7	977.4	995.5	1013.0	1029.9	1042.0	1050.1	1056.6	1061.4	1063.3
55°	977.5	1004.1	1030.7	1050.2	1067.4	1083.2	1096.5	1107.0	1115.7	1122.5	1124.1
52.5°	1022.0	1051.8	1077.9	1100.4	1123.2	1141.9	1156.5	1170.7	1183.1	1193.1	1197.4
50°	1070.4	1101.7	1134.2	1164.3	1188.6	1209.9	1227.6	1247.7	1268.9	1286.4	1297.4
47.5°	1121.2	1157.3	1196.6	1233.7	1262.5	1294.0	1323.4	1353.3	1392.6	1425.6	1450.1
45°	1174.4	1220.7	1265.6	1312.7	1352.5	1412.0	1467.2	1514.7	1577.7	1635.0	1680.4
42.5°	1237.2	1294.9	1350.0	1425.5	1504.6	1585.9	1673.7	1748.7	1847.2	1947.6	2028.6
40°	1311.7	1385.4	1482.3	1583.8	1708.7	1820.4	1972.1	2107.1	2258.4	2449.7	2607.7
37.5°	1401.3	1514.8	1649.7	1791.1	1985.8	2171.7	2422.4	2686.6	2926.2	3294.1	3603.6
35°	1517.7	1676.5	1854.1	2104.3	2379.8	2728.4	3119.4	3629.5	4067.0	4687.6	5280.7
32.5°	1667.7	1871.8	2161.8	2548.0	2955.3	3588.1	4208.5	5094.4	5914.7	6898.3	7959.9
30°	1834.6	2145.2	2588.2	3118.0	3877.7	4808.7	5902.5	7263.0	8751.9	10134.4	11496.8
27.5°	2076.5	2521.5	3103.5	3958.4	5142.5	6445.0	8361.2	10208.1	12135.0	13847.8	15276.4
25°	2359.0	2947.0	3847.0	5105.8	6707.2	8937.4	11231.3	13510.7	15583.0	17376.2	18954.6
22.5°	2723.6	3569.4	4769.2	6399.8	8893.3	11566.4	14256.3	16770.5	18981.0	20977.8	22686.4
20°	3120.4	4178.7	5892.1	8323.5	11175.1	14220.5	17257.7	19935.9	22369.8	24633.9	26559.5
17.5°	3623.2	5105.3	7275.1	10191.8	13488.7	16825.3	20016.1	22922.5	25683.8	28079.6	30091.6
15°	4051.6	5921.3	8753.2	12174.0	15740.0	19259.7	22628.3	25785.2	28656.1	31114.3	33005.8
12.5°	4623.1	6835.9	10065.5	13877.9	17742.3	21445.8	24994.0	28256.9	31178.5	33609.6	35082.1
10°	5163.4	7782.7	11333.9	15309.8	19324.5	23270.5	27059.0	30405.4	33117.9	35051.8	36306.7
7.5°	5622.7	8596.5	12365.7	16467.1	20581.5	24707.1	28542.1	31798.0	34299.2	35914.2	36787.7
5°	5965.7	9204.8	13131.6	17407.5	21629.6	25827.5	29632.6	32689.1	34850.8	36050.6	36489.2
2.5°	6184.3	9562.0	13576.0	18024.5	22331.0	26536.4	30380.5	33389.2	35223.3	36018.5	36094.1
0°	6271.6	9608.2	13644.5	18348.2	22507.7	26738.4	30593.3	33677.3	35361.8	36016.2	36003.2
-2.5°	6184.3	9562.0	13576.0	18024.5	22331.0	26536.4	30380.5	33389.2	35223.3	36018.5	36094.1
-5°	5965.7	9204.8	13131.6	17407.5	21629.6	25827.5	29632.6	32689.1	34850.8	36050.6	36489.2
-7.5°	5622.7	8596.5	12365.7	16467.1	20581.5	24707.1	28542.1	31798.0	34299.2	35914.2	36787.7
-10°	5163.4	7782.7	11333.9	15309.8	19324.5	23270.5	27059.0	30405.4	33117.9	35051.8	36306.7
-12.5°	4623.1	6835.9	10065.5	13877.9	17742.3	21445.8	24994.0	28256.9	31178.5	33609.6	35082.1
-15°	4051.6	5921.3	8753.2	12174.0	15740.0	19259.7	22628.3	25785.2	28656.1	31114.3	33005.8
-17.5°	3623.2	5105.3	7275.1	10191.8	13488.7	16825.3	20016.1	22922.5	25683.8	28079.6	30091.6
-20°	3120.4	4178.7	5892.1	8323.5	11175.1	14220.5	17257.7	19935.9	22369.8	24633.9	26559.5



REPORT NUMBER: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2723.6	3569.4	4769.2	6399.8	8893.3	11566.4	14256.3	16770.5	18981.0	20977.8	22686.4
-25°	2359.0	2947.0	3847.0	5105.8	6707.2	8937.4	11231.3	13510.7	15583.0	17376.2	18954.6
-27.5°	2076.5	2521.5	3103.5	3958.4	5142.5	6445.0	8361.2	10208.1	12135.0	13847.8	15276.4
-30°	1834.6	2145.2	2588.2	3118.0	3877.7	4808.7	5902.5	7263.0	8751.9	10134.4	11496.8
-32.5°	1667.7	1871.8	2161.8	2548.0	2955.3	3588.1	4208.5	5094.4	5914.7	6898.3	7959.9
-35°	1517.7	1676.5	1854.1	2104.3	2379.8	2728.4	3119.4	3629.5	4067.0	4687.6	5280.7
-37.5°	1401.3	1514.8	1649.7	1791.1	1985.8	2171.7	2422.4	2686.6	2926.2	3294.1	3603.6
-40°	1311.7	1385.4	1482.3	1583.8	1708.7	1820.4	1972.1	2107.1	2258.4	2449.7	2607.7
-42.5°	1237.2	1294.9	1350.0	1425.5	1504.6	1585.9	1673.7	1748.7	1847.2	1947.6	2028.6
-45°	1174.4	1220.7	1265.6	1312.7	1352.5	1412.0	1467.2	1514.7	1577.7	1635.0	1680.4
-47.5°	1121.2	1157.3	1196.6	1233.7	1262.5	1294.0	1323.4	1353.3	1392.6	1425.6	1450.1
-50°	1070.4	1101.7	1134.2	1164.3	1188.6	1209.9	1227.6	1247.7	1268.9	1286.4	1297.4
-52.5°	1022.0	1051.8	1077.9	1100.4	1123.2	1141.9	1156.5	1170.7	1183.1	1193.1	1197.4
-55°	977.5	1004.1	1030.7	1050.2	1067.4	1083.2	1096.5	1107.0	1115.7	1122.5	1124.1
-57.5°	927.9	953.7	977.4	995.5	1013.0	1029.9	1042.0	1050.1	1056.6	1061.4	1063.3
-60°	868.6	897.5	916.0	931.0	947.9	966.1	976.3	984.9	992.3	998.8	1004.5
-62.5°	796.0	820.4	838.0	852.8	866.4	878.1	892.0	903.4	912.2	920.3	929.5
-65°	712.2	736.3	752.2	764.7	774.0	784.6	801.6	815.2	825.5	833.7	841.1
-67.5°	627.4	650.4	666.2	679.1	689.3	699.9	715.1	728.8	741.0	749.2	754.4
-70°	540.8	562.9	580.2	594.4	605.5	616.3	628.3	639.9	650.6	656.7	659.0
-72.5°	454.4	473.1	489.9	505.0	518.0	528.8	538.2	546.3	553.2	557.5	560.1
-75°	371.6	386.8	401.1	414.3	426.5	437.0	445.8	453.3	459.4	462.4	464.1
-77.5°	292.9	304.3	314.4	324.1	333.2	342.3	350.6	357.9	364.4	365.9	365.5
-80°	218.7	226.5	233.1	239.1	244.5	250.7	256.5	261.6	266.1	268.6	270.1
-82.5°	148.4	153.1	157.3	161.0	164.2	168.9	173.2	176.8	179.9	182.2	184.2
-85°	84.3	86.2	87.8	89.2	90.4	94.4	98.2	101.9	105.2	105.1	104.8
-87.5°	31.9	31.4	30.9	30.2	29.4	31.4	33.5	35.5	37.6	36.4	35.1
-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: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-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°	33.7	32.3	32.4	32.4	32.4	32.3	33.7	35.1	36.4	37.6	35.5
85°	104.1	103.2	100.3	97.2	100.3	103.2	104.1	104.8	105.1	105.2	101.9
82.5°	185.8	186.9	184.4	181.4	184.4	186.9	185.8	184.2	182.2	179.9	176.8
80°	270.8	270.9	268.6	265.6	268.6	270.9	270.8	270.1	268.6	266.1	261.6
77.5°	363.9	361.3	362.3	362.8	362.3	361.3	363.9	365.5	365.9	364.4	357.9
75°	464.7	464.3	462.8	460.0	462.8	464.3	464.7	464.1	462.4	459.4	453.3
72.5°	561.4	561.3	559.9	557.2	559.9	561.3	561.4	560.1	557.5	553.2	546.3
70°	659.5	658.3	660.0	660.8	660.0	658.3	659.5	659.0	656.7	650.6	639.9
67.5°	758.4	761.0	760.6	758.0	760.6	761.0	758.4	754.4	749.2	741.0	728.8
65°	847.1	851.5	854.2	855.2	854.2	851.5	847.1	841.1	833.7	825.5	815.2
62.5°	936.7	941.8	942.1	939.4	942.1	941.8	936.7	929.5	920.3	912.2	903.4
60°	1007.6	1008.4	1007.1	1004.2	1007.1	1008.4	1007.6	1004.5	998.8	992.3	984.9
57.5°	1063.3	1061.4	1059.2	1056.1	1059.2	1061.4	1063.3	1063.3	1061.4	1056.6	1050.1
55°	1123.2	1120.1	1117.4	1114.4	1117.4	1120.1	1123.2	1124.1	1122.5	1115.7	1107.0
52.5°	1198.4	1196.7	1194.9	1192.1	1194.9	1196.7	1198.4	1197.4	1193.1	1183.1	1170.7
50°	1303.0	1304.6	1304.5	1302.3	1304.5	1304.6	1303.0	1297.4	1286.4	1268.9	1247.7
47.5°	1465.7	1474.3	1480.2	1483.7	1480.2	1474.3	1465.7	1450.1	1425.6	1392.6	1353.3
45°	1709.5	1726.8	1739.0	1749.3	1739.0	1726.8	1709.5	1680.4	1635.0	1577.7	1514.7
42.5°	2085.7	2124.4	2142.7	2138.0	2142.7	2124.4	2085.7	2028.6	1947.6	1847.2	1748.7
40°	2713.0	2775.5	2810.2	2837.8	2810.2	2775.5	2713.0	2607.7	2449.7	2258.4	2107.1
37.5°	3815.0	3936.3	4000.3	4055.8	4000.3	3936.3	3815.0	3603.6	3294.1	2926.2	2686.6
35°	5723.8	5996.8	6143.0	6193.8	6143.0	5996.8	5723.8	5280.7	4687.6	4067.0	3629.5
32.5°	8785.9	9289.5	9568.0	9783.1	9568.0	9289.5	8785.9	7959.9	6898.3	5914.7	5094.4
30°	12575.6	13238.9	13607.3	13787.1	13607.3	13238.9	12575.6	11496.8	10134.4	8751.9	7263.0
27.5°	16460.4	17214.5	17611.6	17590.2	17611.6	17214.5	16460.4	15276.4	13847.8	12135.0	10208.1
25°	20307.7	21181.1	21576.8	21931.0	21576.8	21181.1	20307.7	18954.6	17376.2	15583.0	13510.7
22.5°	24198.8	25220.1	25777.4	26038.7	25777.4	25220.1	24198.8	22686.4	20977.8	18981.0	16770.5
20°	28043.6	29180.5	29772.1	30029.7	29772.1	29180.5	28043.6	26559.5	24633.9	22369.8	19935.9
17.5°	31453.6	32563.4	33127.3	33366.3	33127.3	32563.4	31453.6	30091.6	28079.6	25683.8	22922.5
15°	34176.4	34995.0	35474.5	35601.5	35474.5	34995.0	34176.4	33005.8	31114.3	28656.1	25785.2
12.5°	36058.5	36375.6	36606.2	36677.0	36606.2	36375.6	36058.5	35082.1	33609.6	31178.5	28256.9
10°	37020.7	36877.7	36818.5	36826.0	36818.5	36877.7	37020.7	36306.7	35051.8	33117.9	30405.4
7.5°	36954.5	36742.7	36317.1	36249.4	36317.1	36742.7	36954.5	36787.7	35914.2	34299.2	31798.0
5°	36423.6	36037.8	35331.6	35128.5	35331.6	36037.8	36423.6	36489.2	36050.6	34850.8	32689.1
2.5°	35804.8	35109.5	34458.7	34040.1	34458.7	35109.5	35804.8	36094.1	36018.5	35223.3	33389.2
0°	35620.9	34817.6	33975.3	33703.2	33975.3	34817.6	35620.9	36003.2	36016.2	35361.8	33677.3
-2.5°	35804.8	35109.5	34458.7	34040.1	34458.7	35109.5	35804.8	36094.1	36018.5	35223.3	33389.2
-5°	36423.6	36037.8	35331.6	35128.5	35331.6	36037.8	36423.6	36489.2	36050.6	34850.8	32689.1
-7.5°	36954.5	36742.7	36317.1	36249.4	36317.1	36742.7	36954.5	36787.7	35914.2	34299.2	31798.0
-10°	37020.7	36877.7	36818.5	36826.0	36818.5	36877.7	37020.7	36306.7	35051.8	33117.9	30405.4
-12.5°	36058.5	36375.6	36606.2	36677.0	36606.2	36375.6	36058.5	35082.1	33609.6	31178.5	28256.9
-15°	34176.4	34995.0	35474.5	35601.5	35474.5	34995.0	34176.4	33005.8	31114.3	28656.1	25785.2
-17.5°	31453.6	32563.4	33127.3	33366.3	33127.3	32563.4	31453.6	30091.6	28079.6	25683.8	22922.5
-20°	28043.6	29180.5	29772.1	30029.7	29772.1	29180.5	28043.6	26559.5	24633.9	22369.8	19935.9



REPORT NUMBER: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	24198.8	25220.1	25777.4	26038.7	25777.4	25220.1	24198.8	22686.4	20977.8	18981.0	16770.5
-25°	20307.7	21181.1	21576.8	21931.0	21576.8	21181.1	20307.7	18954.6	17376.2	15583.0	13510.7
-27.5°	16460.4	17214.5	17611.6	17590.2	17611.6	17214.5	16460.4	15276.4	13847.8	12135.0	10208.1
-30°	12575.6	13238.9	13607.3	13787.1	13607.3	13238.9	12575.6	11496.8	10134.4	8751.9	7263.0
-32.5°	8785.9	9289.5	9568.0	9783.1	9568.0	9289.5	8785.9	7959.9	6898.3	5914.7	5094.4
-35°	5723.8	5996.8	6143.0	6193.8	6143.0	5996.8	5723.8	5280.7	4687.6	4067.0	3629.5
-37.5°	3815.0	3936.3	4000.3	4055.8	4000.3	3936.3	3815.0	3603.6	3294.1	2926.2	2686.6
-40°	2713.0	2775.5	2810.2	2837.8	2810.2	2775.5	2713.0	2607.7	2449.7	2258.4	2107.1
-42.5°	2085.7	2124.4	2142.7	2138.0	2142.7	2124.4	2085.7	2028.6	1947.6	1847.2	1748.7
-45°	1709.5	1726.8	1739.0	1749.3	1739.0	1726.8	1709.5	1680.4	1635.0	1577.7	1514.7
-47.5°	1465.7	1474.3	1480.2	1483.7	1480.2	1474.3	1465.7	1450.1	1425.6	1392.6	1353.3
-50°	1303.0	1304.6	1304.5	1302.3	1304.5	1304.6	1303.0	1297.4	1286.4	1268.9	1247.7
-52.5°	1198.4	1196.7	1194.9	1192.1	1194.9	1196.7	1198.4	1197.4	1193.1	1183.1	1170.7
-55°	1123.2	1120.1	1117.4	1114.4	1117.4	1120.1	1123.2	1124.1	1122.5	1115.7	1107.0
-57.5°	1063.3	1061.4	1059.2	1056.1	1059.2	1061.4	1063.3	1063.3	1061.4	1056.6	1050.1
-60°	1007.6	1008.4	1007.1	1004.2	1007.1	1008.4	1007.6	1004.5	998.8	992.3	984.9
-62.5°	936.7	941.8	942.1	939.4	942.1	941.8	936.7	929.5	920.3	912.2	903.4
-65°	847.1	851.5	854.2	855.2	854.2	851.5	847.1	841.1	833.7	825.5	815.2
-67.5°	758.4	761.0	760.6	758.0	760.6	761.0	758.4	754.4	749.2	741.0	728.8
-70°	659.5	658.3	660.0	660.8	660.0	658.3	659.5	659.0	656.7	650.6	639.9
-72.5°	561.4	561.3	559.9	557.2	559.9	561.3	561.4	560.1	557.5	553.2	546.3
-75°	464.7	464.3	462.8	460.0	462.8	464.3	464.7	464.1	462.4	459.4	453.3
-77.5°	363.9	361.3	362.3	362.8	362.3	361.3	363.9	365.5	365.9	364.4	357.9
-80°	270.8	270.9	268.6	265.6	268.6	270.9	270.8	270.1	268.6	266.1	261.6
-82.5°	185.8	186.9	184.4	181.4	184.4	186.9	185.8	184.2	182.2	179.9	176.8
-85°	104.1	103.2	100.3	97.2	100.3	103.2	104.1	104.8	105.1	105.2	101.9
-87.5°	33.7	32.3	32.4	32.4	32.4	32.3	33.7	35.1	36.4	37.6	35.5
-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: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-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°	33.5	31.4	29.4	30.2	30.9	31.4	31.9	30.9	29.8	28.7	27.5
85°	98.2	94.4	90.4	89.2	87.8	86.2	84.3	80.6	76.7	72.6	68.3
82.5°	173.2	168.9	164.2	161.0	157.3	153.1	148.4	141.3	134.0	126.7	119.3
80°	256.5	250.7	244.5	239.1	233.1	226.5	218.7	207.7	196.1	184.7	174.0
77.5°	350.6	342.3	333.2	324.1	314.4	304.3	292.9	279.0	264.9	250.1	235.2
75°	445.8	437.0	426.5	414.3	401.1	386.8	371.6	354.7	337.0	318.5	299.8
72.5°	538.2	528.8	518.0	505.0	489.9	473.1	454.4	433.8	412.1	389.4	367.1
70°	628.3	616.3	605.5	594.4	580.2	562.9	540.8	516.0	489.8	463.5	437.8
67.5°	715.1	699.9	689.3	679.1	666.2	650.4	627.4	600.7	571.4	540.7	510.2
65°	801.6	784.6	774.0	764.7	752.2	736.3	712.2	685.0	654.2	620.0	584.7
62.5°	892.0	878.1	866.4	852.8	838.0	820.4	796.0	767.5	736.4	700.5	659.4
60°	976.3	966.1	947.9	931.0	916.0	897.5	868.6	841.3	815.8	774.6	730.4
57.5°	1042.0	1029.9	1013.0	995.5	977.4	953.7	927.9	902.0	872.5	837.7	796.6
55°	1096.5	1083.2	1067.4	1050.2	1030.7	1004.1	977.5	949.9	921.4	892.5	852.3
52.5°	1156.5	1141.9	1123.2	1100.4	1077.9	1051.8	1022.0	992.6	966.1	936.5	903.6
50°	1227.6	1209.9	1188.6	1164.3	1134.2	1101.7	1070.4	1036.1	1008.2	979.4	945.9
47.5°	1323.4	1294.0	1262.5	1233.7	1196.6	1157.3	1121.2	1086.0	1053.0	1021.8	987.7
45°	1467.2	1412.0	1352.5	1312.7	1265.6	1220.7	1174.4	1134.8	1097.0	1061.8	1029.8
42.5°	1673.7	1585.9	1504.6	1425.5	1350.0	1294.9	1237.2	1187.9	1142.3	1100.7	1063.0
40°	1972.1	1820.4	1708.7	1583.8	1482.3	1385.4	1311.7	1244.6	1191.7	1142.3	1096.6
37.5°	2422.4	2171.7	1985.8	1791.1	1649.7	1514.8	1401.3	1313.9	1242.0	1184.7	1131.7
35°	3119.4	2728.4	2379.8	2104.3	1854.1	1676.5	1517.7	1395.3	1303.3	1228.4	1166.4
32.5°	4208.5	3588.1	2955.3	2548.0	2161.8	1871.8	1667.7	1499.1	1368.9	1279.7	1205.2
30°	5902.5	4808.7	3877.7	3118.0	2588.2	2145.2	1834.6	1628.4	1461.9	1331.7	1244.5
27.5°	8361.2	6445.0	5142.5	3958.4	3103.5	2521.5	2076.5	1766.8	1559.8	1404.4	1289.7
25°	11231.3	8937.4	6707.2	5105.8	3847.0	2947.0	2359.0	1960.7	1680.9	1480.3	1329.3
22.5°	14256.3	11566.4	8893.3	6399.8	4769.2	3569.4	2723.6	2156.2	1795.3	1561.1	1387.0
20°	17257.7	14220.5	11175.1	8323.5	5892.1	4178.7	3120.4	2415.6	1954.9	1651.6	1441.7
17.5°	20016.1	16825.3	13488.7	10191.8	7275.1	5105.3	3623.2	2677.9	2094.2	1732.1	1489.1
15°	22628.3	19259.7	15740.0	12174.0	8753.2	5921.3	4051.6	2906.5	2239.0	1825.6	1551.1
12.5°	24994.0	21445.8	17742.3	13877.9	10065.5	6835.9	4623.1	3243.3	2417.0	1922.6	1609.5
10°	27059.0	23270.5	19324.5	15309.8	11333.9	7782.7	5163.4	3530.6	2571.2	2003.0	1657.3
7.5°	28542.1	24707.1	20581.5	16467.1	12365.7	8596.5	5622.7	3758.0	2692.2	2064.6	1694.1
5°	29632.6	25827.5	21629.6	17407.5	13131.6	9204.8	5965.7	3918.0	2778.8	2107.2	1719.7
2.5°	30380.5	26536.4	22331.0	18024.5	13576.0	9562.0	6184.3	4003.9	2819.7	2140.6	1733.8
0°	30593.3	26738.4	22507.7	18348.2	13644.5	9608.2	6271.6	4016.9	2818.3	2157.5	1736.3
-2.5°	30380.5	26536.4	22331.0	18024.5	13576.0	9562.0	6184.3	4003.9	2819.7	2140.6	1733.8
-5°	29632.6	25827.5	21629.6	17407.5	13131.6	9204.8	5965.7	3918.0	2778.8	2107.2	1719.7
-7.5°	28542.1	24707.1	20581.5	16467.1	12365.7	8596.5	5622.7	3758.0	2692.2	2064.6	1694.1
-10°	27059.0	23270.5	19324.5	15309.8	11333.9	7782.7	5163.4	3530.6	2571.2	2003.0	1657.3
-12.5°	24994.0	21445.8	17742.3	13877.9	10065.5	6835.9	4623.1	3243.3	2417.0	1922.6	1609.5
-15°	22628.3	19259.7	15740.0	12174.0	8753.2	5921.3	4051.6	2906.5	2239.0	1825.6	1551.1
-17.5°	20016.1	16825.3	13488.7	10191.8	7275.1	5105.3	3623.2	2677.9	2094.2	1732.1	1489.1
-20°	17257.7	14220.5	11175.1	8323.5	5892.1	4178.7	3120.4	2415.6	1954.9	1651.6	1441.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14256.3	11566.4	8893.3	6399.8	4769.2	3569.4	2723.6	2156.2	1795.3	1561.1	1387.0
-25°	11231.3	8937.4	6707.2	5105.8	3847.0	2947.0	2359.0	1960.7	1680.9	1480.3	1329.3
-27.5°	8361.2	6445.0	5142.5	3958.4	3103.5	2521.5	2076.5	1766.8	1559.8	1404.4	1289.7
-30°	5902.5	4808.7	3877.7	3118.0	2588.2	2145.2	1834.6	1628.4	1461.9	1331.7	1244.5
-32.5°	4208.5	3588.1	2955.3	2548.0	2161.8	1871.8	1667.7	1499.1	1368.9	1279.7	1205.2
-35°	3119.4	2728.4	2379.8	2104.3	1854.1	1676.5	1517.7	1395.3	1303.3	1228.4	1166.4
-37.5°	2422.4	2171.7	1985.8	1791.1	1649.7	1514.8	1401.3	1313.9	1242.0	1184.7	1131.7
-40°	1972.1	1820.4	1708.7	1583.8	1482.3	1385.4	1311.7	1244.6	1191.7	1142.3	1096.6
-42.5°	1673.7	1585.9	1504.6	1425.5	1350.0	1294.9	1237.2	1187.9	1142.3	1100.7	1063.0
-45°	1467.2	1412.0	1352.5	1312.7	1265.6	1220.7	1174.4	1134.8	1097.0	1061.8	1029.8
-47.5°	1323.4	1294.0	1262.5	1233.7	1196.6	1157.3	1121.2	1086.0	1053.0	1021.8	987.7
-50°	1227.6	1209.9	1188.6	1164.3	1134.2	1101.7	1070.4	1036.1	1008.2	979.4	945.9
-52.5°	1156.5	1141.9	1123.2	1100.4	1077.9	1051.8	1022.0	992.6	966.1	936.5	903.6
-55°	1096.5	1083.2	1067.4	1050.2	1030.7	1004.1	977.5	949.9	921.4	892.5	852.3
-57.5°	1042.0	1029.9	1013.0	995.5	977.4	953.7	927.9	902.0	872.5	837.7	796.6
-60°	976.3	966.1	947.9	931.0	916.0	897.5	868.6	841.3	815.8	774.6	730.4
-62.5°	892.0	878.1	866.4	852.8	838.0	820.4	796.0	767.5	736.4	700.5	659.4
-65°	801.6	784.6	774.0	764.7	752.2	736.3	712.2	685.0	654.2	620.0	584.7
-67.5°	715.1	699.9	689.3	679.1	666.2	650.4	627.4	600.7	571.4	540.7	510.2
-70°	628.3	616.3	605.5	594.4	580.2	562.9	540.8	516.0	489.8	463.5	437.8
-72.5°	538.2	528.8	518.0	505.0	489.9	473.1	454.4	433.8	412.1	389.4	367.1
-75°	445.8	437.0	426.5	414.3	401.1	386.8	371.6	354.7	337.0	318.5	299.8
-77.5°	350.6	342.3	333.2	324.1	314.4	304.3	292.9	279.0	264.9	250.1	235.2
-80°	256.5	250.7	244.5	239.1	233.1	226.5	218.7	207.7	196.1	184.7	174.0
-82.5°	173.2	168.9	164.2	161.0	157.3	153.1	148.4	141.3	134.0	126.7	119.3
-85°	98.2	94.4	90.4	89.2	87.8	86.2	84.3	80.6	76.7	72.6	68.3
-87.5°	33.5	31.4	29.4	30.2	30.9	31.4	31.9	30.9	29.8	28.7	27.5
-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: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-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°	26.3	25.0	23.7	22.3	20.9	19.4	18.0	16.4	14.3	12.2	10.2
85°	63.8	59.2	54.3	49.3	44.0	38.9	35.9	32.8	28.5	24.3	20.4
82.5°	111.9	104.8	97.5	89.9	81.2	72.6	64.2	56.0	46.8	37.1	30.5
80°	164.2	153.9	143.3	132.2	119.5	106.1	94.5	83.1	72.0	60.2	47.6
77.5°	220.8	205.9	190.5	176.4	161.7	146.0	129.4	112.1	97.1	83.1	68.2
75°	281.3	263.2	244.7	225.5	205.8	185.8	166.7	146.8	126.7	106.3	88.7
72.5°	345.5	323.1	299.9	276.1	253.1	229.5	205.4	181.2	157.9	134.1	110.0
70°	411.4	384.1	357.0	330.2	302.1	273.0	245.5	217.0	188.6	161.6	134.1
67.5°	478.7	447.9	416.1	384.5	353.3	320.5	285.9	252.7	220.3	188.6	157.9
65°	549.5	513.0	475.6	439.8	404.1	368.3	330.5	289.1	251.4	215.9	181.2
62.5°	619.1	579.3	537.3	494.6	454.0	414.3	374.2	328.1	282.6	242.5	204.2
60°	686.5	641.9	596.8	549.6	503.3	458.9	414.3	366.1	316.5	268.5	226.6
57.5°	748.4	701.5	651.1	601.4	551.6	502.4	453.1	402.0	349.5	296.7	248.4
55°	806.5	755.5	702.8	649.1	596.8	544.4	490.9	436.4	381.1	324.8	269.8
52.5°	861.0	807.7	751.8	694.8	638.2	584.1	527.6	469.8	411.2	351.8	293.3
50°	908.7	858.6	799.4	739.2	677.9	620.7	563.3	502.2	440.3	377.8	316.2
47.5°	948.8	902.7	845.5	782.1	717.6	656.6	596.7	533.4	468.4	402.8	338.2
45°	987.9	943.5	888.2	823.5	756.9	692.4	628.8	563.5	495.4	426.9	359.2
42.5°	1024.5	980.3	928.6	863.2	794.5	726.8	660.0	591.9	521.3	449.7	379.1
40°	1055.8	1012.4	966.7	901.4	829.9	759.3	689.7	619.2	546.0	471.6	398.0
37.5°	1086.3	1041.8	994.7	937.4	863.1	789.8	717.6	645.5	569.9	492.7	415.8
35°	1115.7	1069.8	1019.7	965.3	894.0	818.2	743.6	670.0	592.2	512.8	432.5
32.5°	1142.0	1094.8	1042.9	987.9	922.4	844.5	767.7	691.6	612.9	531.8	447.9
30°	1173.4	1115.8	1063.7	1010.0	946.8	868.5	789.9	711.7	632.0	549.8	462.5
27.5°	1203.4	1136.0	1082.3	1028.5	965.8	890.4	810.6	730.3	649.5	566.2	476.9
25°	1232.3	1159.2	1099.6	1044.0	984.1	911.2	829.5	747.4	664.9	580.4	490.1
22.5°	1265.7	1180.3	1115.7	1057.3	1001.6	930.1	846.6	762.8	678.7	593.2	502.3
20°	1295.4	1197.8	1130.6	1070.0	1014.8	944.3	861.9	776.5	690.9	604.5	513.2
17.5°	1324.3	1217.6	1145.2	1082.2	1024.6	956.8	875.3	788.5	701.6	614.3	523.0
15°	1364.5	1240.3	1157.9	1092.5	1032.9	967.4	886.8	798.8	710.8	622.6	531.7
12.5°	1399.0	1259.3	1168.3	1101.0	1039.7	976.2	896.3	807.4	718.4	630.0	539.5
10°	1427.0	1274.5	1176.5	1107.6	1044.9	983.1	903.8	814.6	725.5	636.4	545.8
7.5°	1448.2	1285.8	1182.3	1112.2	1048.5	988.1	910.8	821.0	731.2	641.4	550.8
5°	1462.7	1293.3	1187.2	1114.9	1050.5	991.2	915.9	825.6	735.3	645.0	554.3
2.5°	1470.2	1296.6	1190.8	1115.7	1050.9	992.2	919.0	828.4	737.8	647.2	556.5
0°	1470.7	1295.8	1192.1	1114.4	1049.6	991.3	920.0	829.3	738.6	647.9	557.2
-2.5°	1470.2	1296.6	1190.8	1115.7	1050.9	992.2	919.0	828.4	737.8	647.2	556.5
-5°	1462.7	1293.3	1187.2	1114.9	1050.5	991.2	915.9	825.6	735.3	645.0	554.3
-7.5°	1448.2	1285.8	1182.3	1112.2	1048.5	988.1	910.8	821.0	731.2	641.4	550.8
-10°	1427.0	1274.5	1176.5	1107.6	1044.9	983.1	903.8	814.6	725.5	636.4	545.8
-12.5°	1399.0	1259.3	1168.3	1101.0	1039.7	976.2	896.3	807.4	718.4	630.0	539.5
-15°	1364.5	1240.3	1157.9	1092.5	1032.9	967.4	886.8	798.8	710.8	622.6	531.7
-17.5°	1324.3	1217.6	1145.2	1082.2	1024.6	956.8	875.3	788.5	701.6	614.3	523.0
-20°	1295.4	1197.8	1130.6	1070.0	1014.8	944.3	861.9	776.5	690.9	604.5	513.2



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CATALOG NUMBER: GFLD-SA4D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1265.7	1180.3	1115.7	1057.3	1001.6	930.1	846.6	762.8	678.7	593.2	502.3
-25°	1232.3	1159.2	1099.6	1044.0	984.1	911.2	829.5	747.4	664.9	580.4	490.1
-27.5°	1203.4	1136.0	1082.3	1028.5	965.8	890.4	810.6	730.3	649.5	566.2	476.9
-30°	1173.4	1115.8	1063.7	1010.0	946.8	868.5	789.9	711.7	632.0	549.8	462.5
-32.5°	1142.0	1094.8	1042.9	987.9	922.4	844.5	767.7	691.6	612.9	531.8	447.9
-35°	1115.7	1069.8	1019.7	965.3	894.0	818.2	743.6	670.0	592.2	512.8	432.5
-37.5°	1086.3	1041.8	994.7	937.4	863.1	789.8	717.6	645.5	569.9	492.7	415.8
-40°	1055.8	1012.4	966.7	901.4	829.9	759.3	689.7	619.2	546.0	471.6	398.0
-42.5°	1024.5	980.3	928.6	863.2	794.5	726.8	660.0	591.9	521.3	449.7	379.1
-45°	987.9	943.5	888.2	823.5	756.9	692.4	628.8	563.5	495.4	426.9	359.2
-47.5°	948.8	902.7	845.5	782.1	717.6	656.6	596.7	533.4	468.4	402.8	338.2
-50°	908.7	858.6	799.4	739.2	677.9	620.7	563.3	502.2	440.3	377.8	316.2
-52.5°	861.0	807.7	751.8	694.8	638.2	584.1	527.6	469.8	411.2	351.8	293.3
-55°	806.5	755.5	702.8	649.1	596.8	544.4	490.9	436.4	381.1	324.8	269.8
-57.5°	748.4	701.5	651.1	601.4	551.6	502.4	453.1	402.0	349.5	296.7	248.4
-60°	686.5	641.9	596.8	549.6	503.3	458.9	414.3	366.1	316.5	268.5	226.6
-62.5°	619.1	579.3	537.3	494.6	454.0	414.3	374.2	328.1	282.6	242.5	204.2
-65°	549.5	513.0	475.6	439.8	404.1	368.3	330.5	289.1	251.4	215.9	181.2
-67.5°	478.7	447.9	416.1	384.5	353.3	320.5	285.9	252.7	220.3	188.6	157.9
-70°	411.4	384.1	357.0	330.2	302.1	273.0	245.5	217.0	188.6	161.6	134.1
-72.5°	345.5	323.1	299.9	276.1	253.1	229.5	205.4	181.2	157.9	134.1	110.0
-75°	281.3	263.2	244.7	225.5	205.8	185.8	166.7	146.8	126.7	106.3	88.7
-77.5°	220.8	205.9	190.5	176.4	161.7	146.0	129.4	112.1	97.1	83.1	68.2
-80°	164.2	153.9	143.3	132.2	119.5	106.1	94.5	83.1	72.0	60.2	47.6
-82.5°	111.9	104.8	97.5	89.9	81.2	72.6	64.2	56.0	46.8	37.1	30.5
-85°	63.8	59.2	54.3	49.3	44.0	38.9	35.9	32.8	28.5	24.3	20.4
-87.5°	26.3	25.0	23.7	22.3	20.9	19.4	18.0	16.4	14.3	12.2	10.2
-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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REPORT NUMBER: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-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°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
85°	16.8	14.0	11.2	8.4	5.6	2.8	0.0
82.5°	25.1	21.0	16.8	12.7	8.4	4.2	0.0
80°	34.6	27.9	22.4	16.8	11.2	5.6	0.0
77.5°	52.7	37.7	27.9	21.0	14.0	7.0	0.0
75°	70.6	52.7	34.6	25.1	16.8	8.4	0.0
72.5°	88.4	67.5	46.5	29.2	19.5	9.7	0.0
70°	106.3	82.2	58.2	34.1	22.1	11.1	0.0
67.5°	126.5	96.6	69.8	42.8	24.8	12.4	0.0
65°	146.4	111.8	81.1	51.3	27.4	13.7	0.0
62.5°	165.7	127.7	92.3	59.6	29.9	15.0	0.0
60°	184.5	143.2	103.2	67.8	32.4	16.2	0.0
57.5°	203.3	158.3	115.0	75.8	37.6	17.4	0.0
55°	221.8	172.9	126.6	83.6	42.7	18.6	0.0
52.5°	239.9	187.1	137.7	91.1	47.6	19.7	0.0
50°	257.5	201.9	148.5	98.4	52.3	20.8	0.0
47.5°	274.8	216.1	158.8	105.5	56.8	21.9	0.0
45°	292.7	229.9	168.6	112.9	61.1	22.9	0.0
42.5°	309.8	243.2	178.0	119.9	65.2	23.9	0.0
40°	326.0	255.9	187.5	126.4	69.1	24.8	0.0
37.5°	341.2	268.1	197.2	132.5	72.7	25.7	0.0
35°	355.6	279.9	206.4	138.2	76.1	26.5	0.0
32.5°	368.9	291.1	215.0	143.5	79.3	27.3	0.0
30°	381.2	301.5	223.1	148.4	82.2	28.1	0.0
27.5°	392.6	311.1	230.3	153.0	84.9	28.7	0.0
25°	402.8	319.8	236.8	157.1	87.3	29.4	0.0
22.5°	412.1	327.6	242.8	160.8	89.4	29.9	0.0
20°	420.2	334.2	248.0	164.1	91.3	30.4	0.0
17.5°	427.6	340.0	252.6	167.0	93.0	30.9	0.0
15°	434.3	344.9	256.5	169.5	94.3	31.3	0.0
12.5°	440.0	349.0	259.8	171.5	95.5	31.6	0.0
10°	444.8	352.2	262.3	173.0	96.3	31.9	0.0
7.5°	448.5	354.5	264.2	174.2	96.9	32.1	0.0
5°	451.3	356.0	265.3	174.9	97.3	32.3	0.0
2.5°	452.9	356.6	265.8	175.1	97.4	32.4	0.0
0°	453.5	356.3	265.6	174.9	97.2	32.4	0.0
-2.5°	452.9	356.6	265.8	175.1	97.4	32.4	0.0
-5°	451.3	356.0	265.3	174.9	97.3	32.3	0.0
-7.5°	448.5	354.5	264.2	174.2	96.9	32.1	0.0
-10°	444.8	352.2	262.3	173.0	96.3	31.9	0.0
-12.5°	440.0	349.0	259.8	171.5	95.5	31.6	0.0
-15°	434.3	344.9	256.5	169.5	94.3	31.3	0.0
-17.5°	427.6	340.0	252.6	167.0	93.0	30.9	0.0
-20°	420.2	334.2	248.0	164.1	91.3	30.4	0.0

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REPORT NUMBER: P627477 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	412.1	327.6	242.8	160.8	89.4	29.9	0.0
-25°	402.8	319.8	236.8	157.1	87.3	29.4	0.0
-27.5°	392.6	311.1	230.3	153.0	84.9	28.7	0.0
-30°	381.2	301.5	223.1	148.4	82.2	28.1	0.0
-32.5°	368.9	291.1	215.0	143.5	79.3	27.3	0.0
-35°	355.6	279.9	206.4	138.2	76.1	26.5	0.0
-37.5°	341.2	268.1	197.2	132.5	72.7	25.7	0.0
-40°	326.0	255.9	187.5	126.4	69.1	24.8	0.0
-42.5°	309.8	243.2	178.0	119.9	65.2	23.9	0.0
-45°	292.7	229.9	168.6	112.9	61.1	22.9	0.0
-47.5°	274.8	216.1	158.8	105.5	56.8	21.9	0.0
-50°	257.5	201.9	148.5	98.4	52.3	20.8	0.0
-52.5°	239.9	187.1	137.7	91.1	47.6	19.7	0.0
-55°	221.8	172.9	126.6	83.6	42.7	18.6	0.0
-57.5°	203.3	158.3	115.0	75.8	37.6	17.4	0.0
-60°	184.5	143.2	103.2	67.8	32.4	16.2	0.0
-62.5°	165.7	127.7	92.3	59.6	29.9	15.0	0.0
-65°	146.4	111.8	81.1	51.3	27.4	13.7	0.0
-67.5°	126.5	96.6	69.8	42.8	24.8	12.4	0.0
-70°	106.3	82.2	58.2	34.1	22.1	11.1	0.0
-72.5°	88.4	67.5	46.5	29.2	19.5	9.7	0.0
-75°	70.6	52.7	34.6	25.1	16.8	8.4	0.0
-77.5°	52.7	37.7	27.9	21.0	14.0	7.0	0.0
-80°	34.6	27.9	22.4	16.8	11.2	5.6	0.0
-82.5°	25.1	21.0	16.8	12.7	8.4	4.2	0.0
-85°	16.8	14.0	11.2	8.4	5.6	2.8	0.0
-87.5°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)