

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: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-750-U-MWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627717 (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-SA5D-750-U-MWR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N129  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

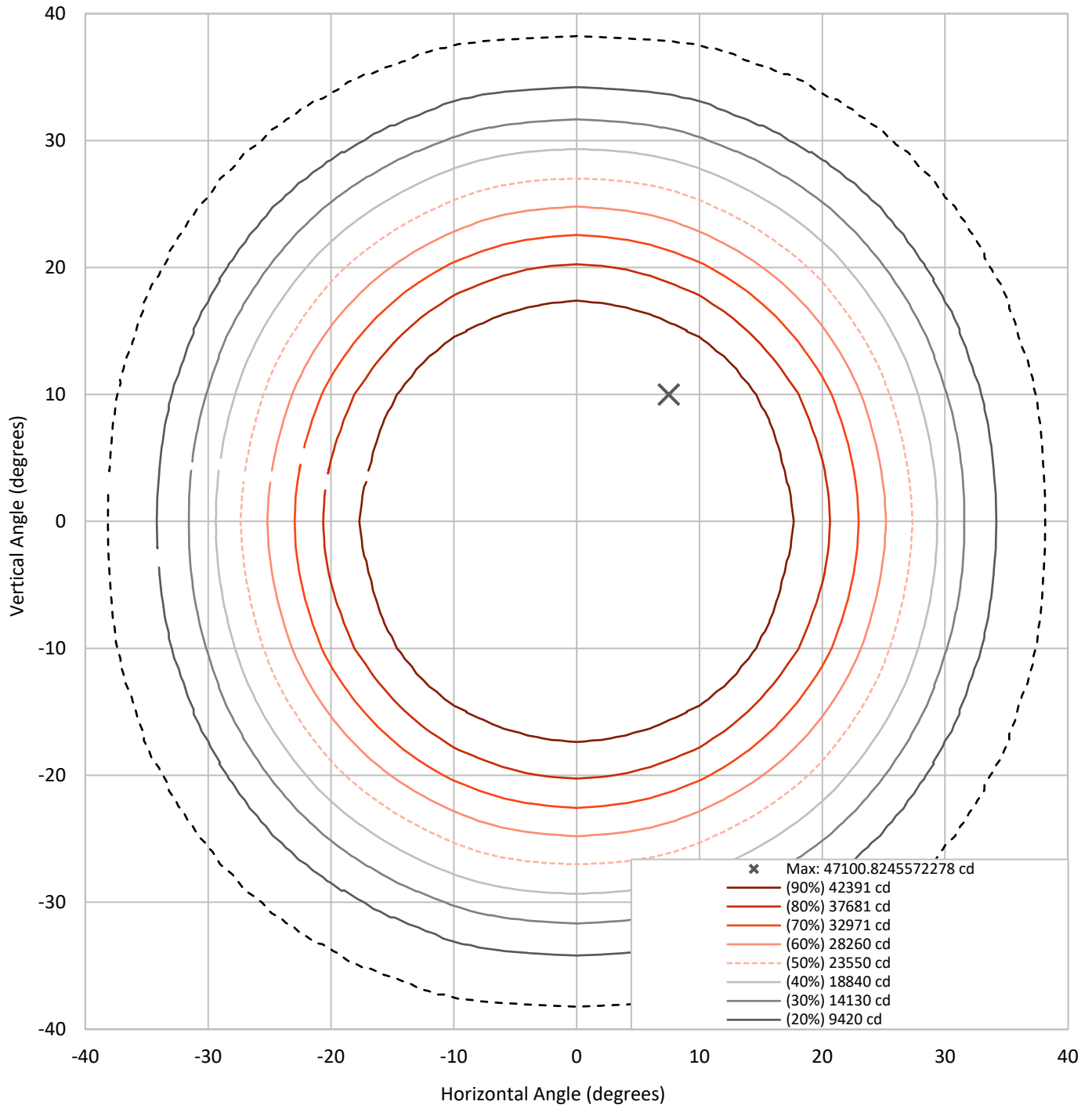
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	40087.2 lumens	Max Intensity:	47100.8 candela
Efficiency:	N/A	Max Intensity Angle:	7.5°H x 10°V
Efficacy:	147.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	26607.5 lumens	Field Lumens:	34597.4 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
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





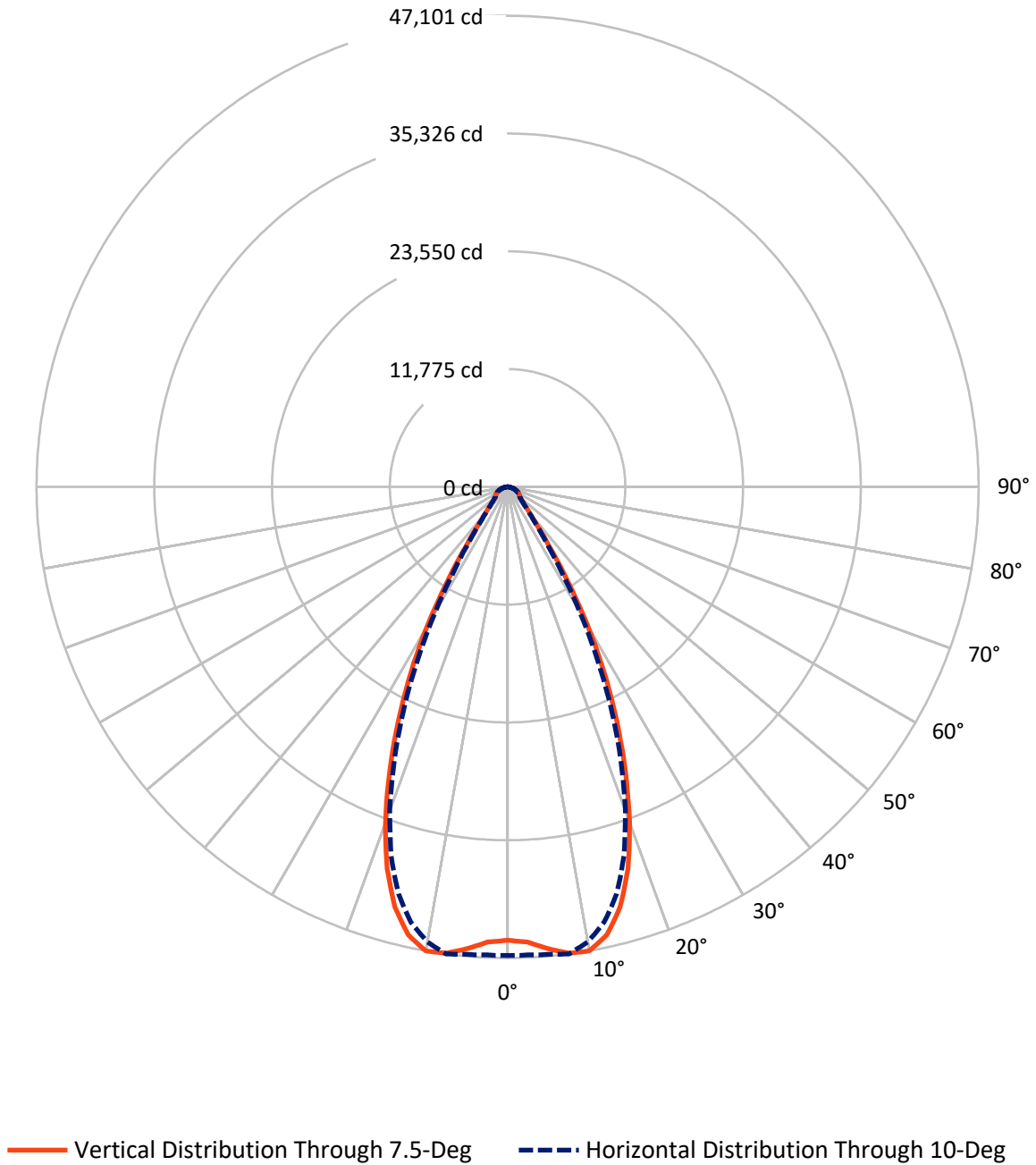
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### Lumen Table

90																				
80	1.0	9.4		25.2			39.8			44.5			39.8			25.2		9.4		1.0
70																				
60	4.3	4.8	9.8	16.0	22.5	27.3	30.8	32.6	32.6	30.8	27.3	22.5	16.0	9.8	4.8	4.3				
50		7.2	14.5	23.1	30.9	37.4	41.9	43.7	43.7	41.9	37.4	30.9	23.1	14.5	7.2					
40	7.5	9.3	18.3	28.1	37.6	49.0	61.6	70.7	70.7	61.6	49.0	37.6	28.1	18.3	9.3	7.5				
30		11.0	21.3	32.3	49.9	91.1	174.4	258.5	258.5	174.4	91.1	49.9	32.3	21.3	11.0					
20	9.7	12.4	23.2	37.7	82.1	257.3	577.3	806.2	806.2	577.3	257.3	82.1	37.7	23.2	12.4	9.7				
10		13.2	24.4	44.7	148.4	548.6	1047.7	1311.2	1311.2	1047.7	548.6	148.4	44.7	24.4	13.2					
0	10.5	13.6	25.0	50.4	213.7	750.8	1271.0	1382.9	1382.9	1271.0	750.8	213.7	50.4	25.0	13.6	10.5				
-10		13.6	25.0	50.4	213.7	750.8	1271.0	1382.9	1382.9	1271.0	750.8	213.7	50.4	25.0	13.6					
-20	9.7	13.2	24.4	44.7	148.4	548.6	1047.7	1311.2	1311.2	1047.7	548.6	148.4	44.7	24.4	13.2	9.7				
-30		12.4	23.2	37.7	82.1	257.3	577.3	806.2	806.2	577.3	257.3	82.1	37.7	23.2	12.4					
-40	7.5	11.0	21.3	32.3	49.9	91.1	174.4	258.5	258.5	174.4	91.1	49.9	32.3	21.3	11.0	7.5				
-50		9.3	18.3	28.1	37.6	49.0	61.6	70.7	70.7	61.6	49.0	37.6	28.1	18.3	9.3					
-60	4.3	7.2	14.5	23.1	30.9	37.4	41.9	43.7	43.7	41.9	37.4	30.9	23.1	14.5	7.2	4.3				
-70		4.8	9.8	16.0	22.5	27.3	30.8	32.6	32.6	30.8	27.3	22.5	16.0	9.8	4.8					
-80																				
-90	1.0	9.4		25.2			39.8			44.5			39.8			25.2		9.4		1.0
Horizontal Angle (degrees)																				

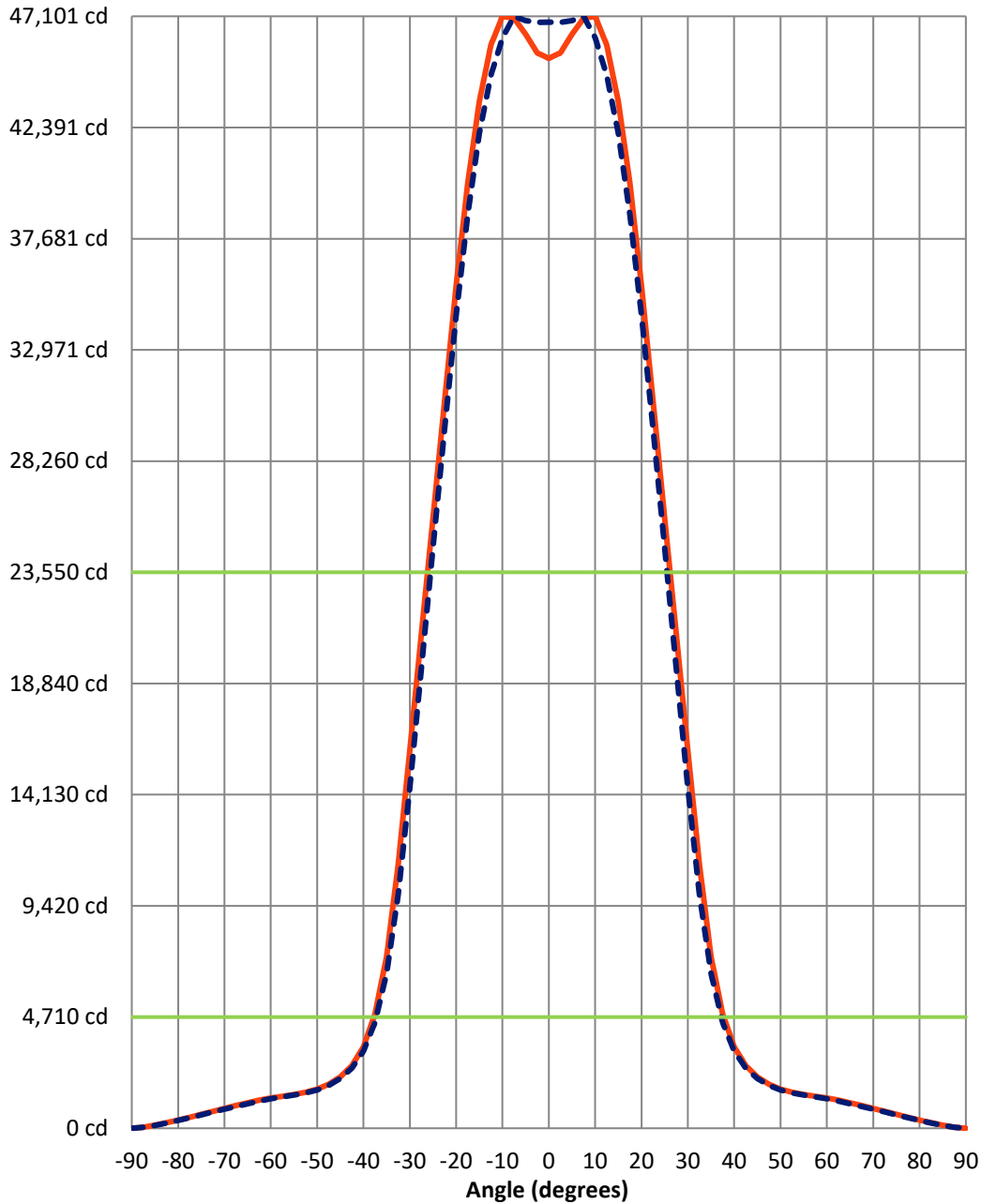
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 26607.5  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 34597.4  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 5489.8  
 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	1.8	3.6	5.4	7.2	8.9	10.7	13.0	15.5	18.1	20.9
85°	0.0	3.6	7.2	10.7	14.3	17.8	21.3	26.0	30.9	36.2	41.7
82.5°	0.0	5.4	10.7	16.1	21.4	26.7	31.9	38.8	47.3	59.6	71.2
80°	0.0	7.2	14.3	21.4	28.5	35.5	44.0	60.6	76.5	91.6	105.7
77.5°	0.0	8.9	17.8	26.7	35.5	47.9	67.0	86.8	105.7	123.5	142.5
75°	0.0	10.7	21.3	31.9	44.0	67.0	89.9	112.8	135.3	161.2	186.7
72.5°	0.0	12.4	24.7	37.1	59.1	85.9	112.4	140.0	170.6	200.8	230.5
70°	0.0	14.1	28.2	43.3	74.0	104.5	135.2	170.6	205.5	239.9	276.1
67.5°	0.0	15.8	31.5	54.4	88.7	122.9	161.0	200.8	239.9	280.3	321.4
65°	0.0	17.4	34.8	65.2	103.2	142.2	186.2	230.5	274.6	319.8	367.7
62.5°	0.0	19.0	38.0	75.9	117.4	162.5	210.7	259.7	308.5	359.5	417.4
60°	0.0	20.6	41.2	86.3	131.2	182.2	234.7	288.3	341.5	402.7	465.8
57.5°	0.0	22.1	47.8	96.4	146.3	201.4	258.7	316.1	377.4	444.6	511.4
55°	0.0	23.6	54.2	106.3	161.0	219.9	282.2	343.3	413.2	484.9	555.2
52.5°	0.0	25.1	60.5	115.8	175.2	238.1	305.2	373.1	447.7	523.2	597.7
50°	0.0	26.5	66.5	125.1	188.9	256.8	327.6	402.3	480.7	560.2	638.9
47.5°	0.0	27.8	72.2	134.2	202.0	275.0	349.6	430.3	512.4	595.9	678.7
45°	0.0	29.1	77.7	143.6	214.5	292.5	372.4	457.0	543.1	630.3	716.9
42.5°	0.0	30.4	82.9	152.6	226.5	309.4	394.1	482.4	572.2	663.2	753.1
40°	0.0	31.6	87.8	160.8	238.6	325.6	414.7	506.4	599.9	694.6	787.9
37.5°	0.0	32.7	92.4	168.5	250.9	341.1	434.2	529.1	626.8	725.0	821.3
35°	0.0	33.7	96.8	175.8	262.5	356.2	452.4	550.2	652.4	753.4	852.5
32.5°	0.0	34.7	100.8	182.6	273.5	370.4	469.4	569.9	676.6	779.8	879.9
30°	0.0	35.7	104.5	188.8	283.9	383.6	485.1	588.4	699.5	804.1	905.5
27.5°	0.0	36.5	107.9	194.6	293.0	395.8	499.5	606.7	720.3	826.4	929.2
25°	0.0	37.3	111.0	199.9	301.4	406.9	512.5	623.6	738.4	846.0	950.8
22.5°	0.0	38.1	113.7	204.6	308.9	416.8	524.3	639.0	754.7	863.4	970.4
20°	0.0	38.7	116.1	208.8	315.6	425.2	534.7	653.0	769.1	879.0	987.9
17.5°	0.0	39.3	118.2	212.5	321.4	432.5	544.1	665.3	781.5	892.7	1003.2
15°	0.0	39.8	120.0	215.6	326.4	438.8	552.5	676.5	792.1	904.3	1016.3
12.5°	0.0	40.2	121.4	218.2	330.5	444.0	559.8	686.3	801.5	914.0	1027.2
10°	0.0	40.6	122.5	220.2	333.8	448.1	565.9	694.4	809.7	923.1	1036.4
7.5°	0.0	40.8	123.3	221.7	336.2	451.1	570.7	700.7	816.1	930.3	1044.6
5°	0.0	41.0	123.7	222.5	337.7	453.0	574.2	705.3	820.6	935.5	1050.4
2.5°	0.0	41.2	123.8	222.9	338.3	453.8	576.3	708.0	823.4	938.7	1053.9
0°	0.0	41.2	123.6	222.6	338.0	453.4	577.0	708.9	824.3	939.7	1055.1
-2.5°	0.0	41.2	123.8	222.9	338.3	453.8	576.3	708.0	823.4	938.7	1053.9
-5°	0.0	41.0	123.7	222.5	337.7	453.0	574.2	705.3	820.6	935.5	1050.4
-7.5°	0.0	40.8	123.3	221.7	336.2	451.1	570.7	700.7	816.1	930.3	1044.6
-10°	0.0	40.6	122.5	220.2	333.8	448.1	565.9	694.4	809.7	923.1	1036.4
-12.5°	0.0	40.2	121.4	218.2	330.5	444.0	559.8	686.3	801.5	914.0	1027.2
-15°	0.0	39.8	120.0	215.6	326.4	438.8	552.5	676.5	792.1	904.3	1016.3
-17.5°	0.0	39.3	118.2	212.5	321.4	432.5	544.1	665.3	781.5	892.7	1003.2
-20°	0.0	38.7	116.1	208.8	315.6	425.2	534.7	653.0	769.1	879.0	987.9

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CATALOG NUMBER: GFLD-SA5D-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	38.1	113.7	204.6	308.9	416.8	524.3	639.0	754.7	863.4	970.4
-25°	0.0	37.3	111.0	199.9	301.4	406.9	512.5	623.6	738.4	846.0	950.8
-27.5°	0.0	36.5	107.9	194.6	293.0	395.8	499.5	606.7	720.3	826.4	929.2
-30°	0.0	35.7	104.5	188.8	283.9	383.6	485.1	588.4	699.5	804.1	905.5
-32.5°	0.0	34.7	100.8	182.6	273.5	370.4	469.4	569.9	676.6	779.8	879.9
-35°	0.0	33.7	96.8	175.8	262.5	356.2	452.4	550.2	652.4	753.4	852.5
-37.5°	0.0	32.7	92.4	168.5	250.9	341.1	434.2	529.1	626.8	725.0	821.3
-40°	0.0	31.6	87.8	160.8	238.6	325.6	414.7	506.4	599.9	694.6	787.9
-42.5°	0.0	30.4	82.9	152.6	226.5	309.4	394.1	482.4	572.2	663.2	753.1
-45°	0.0	29.1	77.7	143.6	214.5	292.5	372.4	457.0	543.1	630.3	716.9
-47.5°	0.0	27.8	72.2	134.2	202.0	275.0	349.6	430.3	512.4	595.9	678.7
-50°	0.0	26.5	66.5	125.1	188.9	256.8	327.6	402.3	480.7	560.2	638.9
-52.5°	0.0	25.1	60.5	115.8	175.2	238.1	305.2	373.1	447.7	523.2	597.7
-55°	0.0	23.6	54.2	106.3	161.0	219.9	282.2	343.3	413.2	484.9	555.2
-57.5°	0.0	22.1	47.8	96.4	146.3	201.4	258.7	316.1	377.4	444.6	511.4
-60°	0.0	20.6	41.2	86.3	131.2	182.2	234.7	288.3	341.5	402.7	465.8
-62.5°	0.0	19.0	38.0	75.9	117.4	162.5	210.7	259.7	308.5	359.5	417.4
-65°	0.0	17.4	34.8	65.2	103.2	142.2	186.2	230.5	274.6	319.8	367.7
-67.5°	0.0	15.8	31.5	54.4	88.7	122.9	161.0	200.8	239.9	280.3	321.4
-70°	0.0	14.1	28.2	43.3	74.0	104.5	135.2	170.6	205.5	239.9	276.1
-72.5°	0.0	12.4	24.7	37.1	59.1	85.9	112.4	140.0	170.6	200.8	230.5
-75°	0.0	10.7	21.3	31.9	44.0	67.0	89.9	112.8	135.3	161.2	186.7
-77.5°	0.0	8.9	17.8	26.7	35.5	47.9	67.0	86.8	105.7	123.5	142.5
-80°	0.0	7.2	14.3	21.4	28.5	35.5	44.0	60.6	76.5	91.6	105.7
-82.5°	0.0	5.4	10.7	16.1	21.4	26.7	31.9	38.8	47.3	59.6	71.2
-85°	0.0	3.6	7.2	10.7	14.3	17.8	21.3	26.0	30.9	36.2	41.7
-87.5°	0.0	1.8	3.6	5.4	7.2	8.9	10.7	13.0	15.5	18.1	20.9
-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):**

	-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°	22.9	24.7	26.6	28.4	30.1	31.8	33.4	35.0	36.5	37.9	39.3
85°	45.7	49.5	56.0	62.7	69.1	75.3	81.2	86.9	92.4	97.6	102.6
82.5°	81.7	92.4	103.3	114.4	124.1	133.3	142.4	151.8	161.2	170.5	179.7
80°	120.2	135.0	152.0	168.2	182.4	195.8	208.8	221.3	234.9	249.5	264.2
77.5°	164.5	185.7	205.6	224.3	242.3	262.0	280.9	299.2	318.2	336.9	354.9
75°	212.1	236.3	261.8	286.9	311.3	334.9	357.9	381.4	405.2	428.7	451.3
72.5°	261.2	292.0	322.0	351.3	381.5	411.0	439.6	467.0	495.3	524.3	551.9
70°	312.2	347.3	384.3	420.1	454.2	488.7	523.5	557.0	589.8	623.2	656.4
67.5°	363.7	407.8	449.5	489.2	529.4	569.9	609.1	649.2	688.0	727.0	764.2
65°	420.4	468.5	514.1	559.6	605.2	652.7	699.1	743.8	788.8	832.4	871.5
62.5°	476.0	527.1	577.6	629.3	683.6	737.0	787.6	839.0	891.3	936.9	976.5
60°	527.1	583.9	640.4	699.2	759.3	816.7	873.5	929.3	985.5	1038.0	1070.3
57.5°	576.4	639.2	701.8	765.2	828.5	892.6	952.2	1013.6	1065.9	1110.0	1147.6
55°	624.6	692.7	759.3	825.9	894.2	961.2	1026.1	1084.4	1135.4	1172.3	1208.6
52.5°	671.3	743.2	812.0	884.0	956.5	1027.7	1095.5	1149.6	1191.4	1229.1	1262.9
50°	716.6	789.8	862.5	940.5	1017.1	1092.4	1156.1	1203.5	1246.0	1282.7	1318.1
47.5°	759.1	835.4	913.1	995.1	1075.8	1148.5	1207.1	1256.6	1300.1	1339.7	1381.6
45°	800.0	880.9	963.1	1047.7	1130.1	1200.4	1256.9	1310.2	1350.9	1395.6	1443.7
42.5°	839.8	924.7	1010.8	1098.2	1181.5	1247.2	1303.5	1352.5	1400.3	1453.3	1511.4
40°	877.5	966.1	1055.8	1146.8	1229.9	1288.1	1343.3	1395.2	1453.3	1516.2	1583.5
37.5°	912.9	1004.8	1098.0	1192.6	1265.5	1325.4	1382.0	1439.8	1507.4	1580.3	1671.7
35°	946.0	1041.0	1137.3	1228.1	1297.4	1361.0	1419.5	1484.0	1562.9	1658.2	1775.2
32.5°	976.7	1074.4	1173.6	1256.8	1326.8	1392.8	1452.9	1533.4	1628.3	1741.6	1907.3
30°	1005.0	1105.0	1204.5	1285.1	1353.3	1419.6	1492.8	1583.4	1694.3	1859.9	2071.8
27.5°	1031.2	1132.8	1228.8	1308.5	1377.0	1445.3	1531.0	1640.8	1786.9	1984.5	2247.9
25°	1055.3	1159.3	1252.1	1328.2	1399.0	1474.7	1567.9	1691.3	1883.4	2138.6	2494.6
22.5°	1077.1	1183.3	1274.3	1345.3	1419.5	1501.7	1610.3	1764.7	1986.2	2284.1	2743.3
20°	1096.5	1201.4	1291.1	1361.3	1438.5	1523.9	1648.1	1834.3	2101.4	2487.2	3073.4
17.5°	1113.6	1217.3	1303.6	1376.8	1457.0	1549.2	1684.9	1894.6	2203.7	2664.5	3407.1
15°	1128.2	1230.8	1314.1	1390.0	1473.2	1578.0	1736.1	1973.4	2322.6	2848.8	3697.9
12.5°	1140.3	1242.0	1322.7	1400.8	1486.5	1602.2	1779.9	2047.8	2446.1	3075.2	4126.4
10°	1149.9	1250.8	1329.4	1409.2	1496.8	1621.5	1815.5	2108.6	2548.3	3271.3	4491.9
7.5°	1158.7	1257.2	1333.9	1415.1	1504.3	1635.9	1842.6	2155.4	2626.8	3425.3	4781.3
5°	1165.3	1261.1	1336.5	1418.5	1510.5	1645.3	1860.9	2187.9	2680.9	3535.4	4984.8
2.5°	1169.2	1262.4	1337.0	1419.4	1515.1	1649.6	1870.5	2205.9	2723.5	3587.5	5094.2
0°	1170.5	1261.2	1335.4	1417.8	1516.7	1648.6	1871.2	2209.1	2744.9	3585.7	5110.7
-2.5°	1169.2	1262.4	1337.0	1419.4	1515.1	1649.6	1870.5	2205.9	2723.5	3587.5	5094.2
-5°	1165.3	1261.1	1336.5	1418.5	1510.5	1645.3	1860.9	2187.9	2680.9	3535.4	4984.8
-7.5°	1158.7	1257.2	1333.9	1415.1	1504.3	1635.9	1842.6	2155.4	2626.8	3425.3	4781.3
-10°	1149.9	1250.8	1329.4	1409.2	1496.8	1621.5	1815.5	2108.6	2548.3	3271.3	4491.9
-12.5°	1140.3	1242.0	1322.7	1400.8	1486.5	1602.2	1779.9	2047.8	2446.1	3075.2	4126.4
-15°	1128.2	1230.8	1314.1	1390.0	1473.2	1578.0	1736.1	1973.4	2322.6	2848.8	3697.9
-17.5°	1113.6	1217.3	1303.6	1376.8	1457.0	1549.2	1684.9	1894.6	2203.7	2664.5	3407.1
-20°	1096.5	1201.4	1291.1	1361.3	1438.5	1523.9	1648.1	1834.3	2101.4	2487.2	3073.4



REPORT NUMBER: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	1077.1	1183.3	1274.3	1345.3	1419.5	1501.7	1610.3	1764.7	1986.2	2284.1	2743.3
-25°	1055.3	1159.3	1252.1	1328.2	1399.0	1474.7	1567.9	1691.3	1883.4	2138.6	2494.6
-27.5°	1031.2	1132.8	1228.8	1308.5	1377.0	1445.3	1531.0	1640.8	1786.9	1984.5	2247.9
-30°	1005.0	1105.0	1204.5	1285.1	1353.3	1419.6	1492.8	1583.4	1694.3	1859.9	2071.8
-32.5°	976.7	1074.4	1173.6	1256.8	1326.8	1392.8	1452.9	1533.4	1628.3	1741.6	1907.3
-35°	946.0	1041.0	1137.3	1228.1	1297.4	1361.0	1419.5	1484.0	1562.9	1658.2	1775.2
-37.5°	912.9	1004.8	1098.0	1192.6	1265.5	1325.4	1382.0	1439.8	1507.4	1580.3	1671.7
-40°	877.5	966.1	1055.8	1146.8	1229.9	1288.1	1343.3	1395.2	1453.3	1516.2	1583.5
-42.5°	839.8	924.7	1010.8	1098.2	1181.5	1247.2	1303.5	1352.5	1400.3	1453.3	1511.4
-45°	800.0	880.9	963.1	1047.7	1130.1	1200.4	1256.9	1310.2	1350.9	1395.6	1443.7
-47.5°	759.1	835.4	913.1	995.1	1075.8	1148.5	1207.1	1256.6	1300.1	1339.7	1381.6
-50°	716.6	789.8	862.5	940.5	1017.1	1092.4	1156.1	1203.5	1246.0	1282.7	1318.1
-52.5°	671.3	743.2	812.0	884.0	956.5	1027.7	1095.5	1149.6	1191.4	1229.1	1262.9
-55°	624.6	692.7	759.3	825.9	894.2	961.2	1026.1	1084.4	1135.4	1172.3	1208.6
-57.5°	576.4	639.2	701.8	765.2	828.5	892.6	952.2	1013.6	1065.9	1110.0	1147.6
-60°	527.1	583.9	640.4	699.2	759.3	816.7	873.5	929.3	985.5	1038.0	1070.3
-62.5°	476.0	527.1	577.6	629.3	683.6	737.0	787.6	839.0	891.3	936.9	976.5
-65°	420.4	468.5	514.1	559.6	605.2	652.7	699.1	743.8	788.8	832.4	871.5
-67.5°	363.7	407.8	449.5	489.2	529.4	569.9	609.1	649.2	688.0	727.0	764.2
-70°	312.2	347.3	384.3	420.1	454.2	488.7	523.5	557.0	589.8	623.2	656.4
-72.5°	261.2	292.0	322.0	351.3	381.5	411.0	439.6	467.0	495.3	524.3	551.9
-75°	212.1	236.3	261.8	286.9	311.3	334.9	357.9	381.4	405.2	428.7	451.3
-77.5°	164.5	185.7	205.6	224.3	242.3	262.0	280.9	299.2	318.2	336.9	354.9
-80°	120.2	135.0	152.0	168.2	182.4	195.8	208.8	221.3	234.9	249.5	264.2
-82.5°	81.7	92.4	103.3	114.4	124.1	133.3	142.4	151.8	161.2	170.5	179.7
-85°	45.7	49.5	56.0	62.7	69.1	75.3	81.2	86.9	92.4	97.6	102.6
-87.5°	22.9	24.7	26.6	28.4	30.1	31.8	33.4	35.0	36.5	37.9	39.3
-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: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	40.5	40.0	39.3	38.4	37.4	40.0	42.6	45.2	47.8	46.3	44.7
85°	107.3	109.7	111.7	113.5	114.9	120.1	125.0	129.6	133.9	133.8	133.3
82.5°	188.8	194.8	200.1	204.8	208.9	214.9	220.2	224.9	228.8	231.8	234.3
80°	278.2	288.1	296.5	304.2	311.0	318.9	326.3	332.8	338.5	341.6	343.6
77.5°	372.7	387.1	399.9	412.2	423.9	435.4	445.9	455.3	463.5	465.4	465.0
75°	472.7	492.0	510.2	527.0	542.6	555.9	567.2	576.7	584.5	588.3	590.4
72.5°	578.1	601.9	623.3	642.6	659.1	672.9	684.8	695.1	703.8	709.3	712.6
70°	688.0	716.2	738.2	756.3	770.5	784.1	799.4	814.1	827.8	835.5	838.5
67.5°	798.2	827.5	847.6	864.1	877.1	890.5	909.8	927.2	942.7	953.2	959.8
65°	906.1	936.8	957.1	972.9	984.8	998.3	1019.9	1037.2	1050.3	1060.8	1070.2
62.5°	1012.7	1043.7	1066.2	1085.0	1102.3	1117.2	1134.9	1149.4	1160.7	1171.0	1182.6
60°	1105.1	1141.9	1165.4	1184.5	1205.9	1229.1	1242.2	1253.0	1262.5	1270.8	1278.0
57.5°	1180.5	1213.3	1243.6	1266.5	1288.8	1310.4	1325.8	1336.0	1344.3	1350.4	1352.9
55°	1243.7	1277.5	1311.3	1336.2	1358.1	1378.3	1395.2	1408.5	1419.4	1428.1	1430.1
52.5°	1300.2	1338.3	1371.5	1400.1	1429.1	1452.8	1471.4	1489.5	1505.3	1518.0	1523.5
50°	1361.8	1401.6	1443.0	1481.4	1512.2	1539.3	1561.9	1587.4	1614.3	1636.6	1650.6
47.5°	1426.5	1472.4	1522.4	1569.6	1606.2	1646.3	1683.7	1721.7	1771.7	1813.8	1844.9
45°	1494.2	1553.2	1610.1	1670.1	1720.7	1796.4	1866.7	1927.1	2007.3	2080.1	2138.0
42.5°	1574.1	1647.5	1717.5	1813.7	1914.3	2017.7	2129.5	2224.8	2350.2	2477.9	2581.0
40°	1668.9	1762.6	1886.0	2015.1	2173.9	2316.1	2509.0	2680.9	2873.4	3116.7	3317.8
37.5°	1782.9	1927.3	2098.9	2278.8	2526.5	2763.1	3082.0	3418.0	3723.0	4191.1	4584.9
35°	1931.0	2132.9	2358.9	2677.2	3027.7	3471.2	3968.6	4617.7	5174.4	5964.0	6718.5
32.5°	2121.8	2381.4	2750.4	3241.8	3760.0	4565.0	5354.4	6481.5	7525.1	8776.6	10127.2
30°	2334.1	2729.3	3293.0	3967.1	4933.6	6118.0	7509.5	9240.6	11135.0	12893.9	14627.2
27.5°	2641.9	3208.1	3948.6	5036.3	6542.7	8199.7	10637.8	12987.6	15439.1	17618.3	19435.8
25°	3001.3	3749.5	4894.5	6496.1	8533.4	11370.9	14289.4	17189.5	19825.9	22107.4	24115.6
22.5°	3465.3	4541.3	6067.9	8142.4	11314.8	14715.8	18138.1	21336.9	24149.2	26689.7	28863.5
20°	3970.0	5316.5	7496.5	10589.9	14217.8	18092.5	21956.7	25364.1	28460.7	31341.2	33791.3
17.5°	4609.7	6495.3	9256.0	12966.9	17161.4	21406.6	25466.1	29163.9	32677.0	35725.1	38285.1
15°	5154.8	7533.6	11136.5	15488.7	20025.7	24503.7	28789.6	32806.1	36458.7	39586.2	41992.7
12.5°	5881.9	8697.1	12806.2	17656.7	22573.2	27285.1	31799.4	35950.8	39667.9	42761.0	44634.3
10°	6569.2	9901.8	14419.9	19478.4	24586.2	29606.6	34426.7	38684.2	42135.4	44595.9	46192.4
7.5°	7153.6	10937.1	15732.7	20950.8	26185.5	31434.4	36313.6	40456.1	43638.2	45693.1	46804.5
5°	7590.0	11711.0	16707.1	22147.3	27518.9	32859.9	37701.0	41589.8	44340.1	45866.6	46424.6
2.5°	7868.0	12165.5	17272.6	22932.3	28411.2	33761.9	38652.6	42480.5	44814.0	45825.7	45921.9
0°	7979.2	12224.3	17359.7	23344.1	28636.1	34018.8	38923.4	42847.0	44990.2	45822.8	45806.3
-2.5°	7868.0	12165.5	17272.6	22932.3	28411.2	33761.9	38652.6	42480.5	44814.0	45825.7	45921.9
-5°	7590.0	11711.0	16707.1	22147.3	27518.9	32859.9	37701.0	41589.8	44340.1	45866.6	46424.6
-7.5°	7153.6	10937.1	15732.7	20950.8	26185.5	31434.4	36313.6	40456.1	43638.2	45693.1	46804.5
-10°	6569.2	9901.8	14419.9	19478.4	24586.2	29606.6	34426.7	38684.2	42135.4	44595.9	46192.4
-12.5°	5881.9	8697.1	12806.2	17656.7	22573.2	27285.1	31799.4	35950.8	39667.9	42761.0	44634.3
-15°	5154.8	7533.6	11136.5	15488.7	20025.7	24503.7	28789.6	32806.1	36458.7	39586.2	41992.7
-17.5°	4609.7	6495.3	9256.0	12966.9	17161.4	21406.6	25466.1	29163.9	32677.0	35725.1	38285.1
-20°	3970.0	5316.5	7496.5	10589.9	14217.8	18092.5	21956.7	25364.1	28460.7	31341.2	33791.3



REPORT NUMBER: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	3465.3	4541.3	6067.9	8142.4	11314.8	14715.8	18138.1	21336.9	24149.2	26689.7	28863.5
-25°	3001.3	3749.5	4894.5	6496.1	8533.4	11370.9	14289.4	17189.5	19825.9	22107.4	24115.6
-27.5°	2641.9	3208.1	3948.6	5036.3	6542.7	8199.7	10637.8	12987.6	15439.1	17618.3	19435.8
-30°	2334.1	2729.3	3293.0	3967.1	4933.6	6118.0	7509.5	9240.6	11135.0	12893.9	14627.2
-32.5°	2121.8	2381.4	2750.4	3241.8	3760.0	4565.0	5354.4	6481.5	7525.1	8776.6	10127.2
-35°	1931.0	2132.9	2358.9	2677.2	3027.7	3471.2	3968.6	4617.7	5174.4	5964.0	6718.5
-37.5°	1782.9	1927.3	2098.9	2278.8	2526.5	2763.1	3082.0	3418.0	3723.0	4191.1	4584.9
-40°	1668.9	1762.6	1886.0	2015.1	2173.9	2316.1	2509.0	2680.9	2873.4	3116.7	3317.8
-42.5°	1574.1	1647.5	1717.5	1813.7	1914.3	2017.7	2129.5	2224.8	2350.2	2477.9	2581.0
-45°	1494.2	1553.2	1610.1	1670.1	1720.7	1796.4	1866.7	1927.1	2007.3	2080.1	2138.0
-47.5°	1426.5	1472.4	1522.4	1569.6	1606.2	1646.3	1683.7	1721.7	1771.7	1813.8	1844.9
-50°	1361.8	1401.6	1443.0	1481.4	1512.2	1539.3	1561.9	1587.4	1614.3	1636.6	1650.6
-52.5°	1300.2	1338.3	1371.5	1400.1	1429.1	1452.8	1471.4	1489.5	1505.3	1518.0	1523.5
-55°	1243.7	1277.5	1311.3	1336.2	1358.1	1378.3	1395.2	1408.5	1419.4	1428.1	1430.1
-57.5°	1180.5	1213.3	1243.6	1266.5	1288.8	1310.4	1325.8	1336.0	1344.3	1350.4	1352.9
-60°	1105.1	1141.9	1165.4	1184.5	1205.9	1229.1	1242.2	1253.0	1262.5	1270.8	1278.0
-62.5°	1012.7	1043.7	1066.2	1085.0	1102.3	1117.2	1134.9	1149.4	1160.7	1171.0	1182.6
-65°	906.1	936.8	957.1	972.9	984.8	998.3	1019.9	1037.2	1050.3	1060.8	1070.2
-67.5°	798.2	827.5	847.6	864.1	877.1	890.5	909.8	927.2	942.7	953.2	959.8
-70°	688.0	716.2	738.2	756.3	770.5	784.1	799.4	814.1	827.8	835.5	838.5
-72.5°	578.1	601.9	623.3	642.6	659.1	672.9	684.8	695.1	703.8	709.3	712.6
-75°	472.7	492.0	510.2	527.0	542.6	555.9	567.2	576.7	584.5	588.3	590.4
-77.5°	372.7	387.1	399.9	412.2	423.9	435.4	445.9	455.3	463.5	465.4	465.0
-80°	278.2	288.1	296.5	304.2	311.0	318.9	326.3	332.8	338.5	341.6	343.6
-82.5°	188.8	194.8	200.1	204.8	208.9	214.9	220.2	224.9	228.8	231.8	234.3
-85°	107.3	109.7	111.7	113.5	114.9	120.1	125.0	129.6	133.9	133.8	133.3
-87.5°	40.5	40.0	39.3	38.4	37.4	40.0	42.6	45.2	47.8	46.3	44.7
-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: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	42.9	41.0	41.2	41.2	41.2	41.0	42.9	44.7	46.3	47.8	45.2
85°	132.4	131.2	127.6	123.6	127.6	131.2	132.4	133.3	133.8	133.9	129.6
82.5°	236.3	237.8	234.6	230.8	234.6	237.8	236.3	234.3	231.8	228.8	224.9
80°	344.6	344.6	341.8	338.0	341.8	344.6	344.6	343.6	341.6	338.5	332.8
77.5°	463.0	459.7	461.0	461.6	461.0	459.7	463.0	465.0	465.4	463.5	455.3
75°	591.2	590.7	588.8	585.3	588.8	590.7	591.2	590.4	588.3	584.5	576.7
72.5°	714.2	714.1	712.3	708.9	712.3	714.1	714.2	712.6	709.3	703.8	695.1
70°	839.2	837.7	839.8	840.8	839.8	837.7	839.2	838.5	835.5	827.8	814.1
67.5°	965.0	968.3	967.7	964.4	967.7	968.3	965.0	959.8	953.2	942.7	927.2
65°	1077.8	1083.4	1086.9	1088.1	1086.9	1083.4	1077.8	1070.2	1060.8	1050.3	1037.2
62.5°	1191.7	1198.3	1198.6	1195.2	1198.6	1198.3	1191.7	1182.6	1171.0	1160.7	1149.4
60°	1281.9	1283.0	1281.4	1277.7	1281.4	1283.0	1281.9	1278.0	1270.8	1262.5	1253.0
57.5°	1352.8	1350.4	1347.5	1343.6	1347.5	1350.4	1352.8	1352.9	1350.4	1344.3	1336.0
55°	1429.0	1425.0	1421.7	1417.8	1421.7	1425.0	1429.0	1430.1	1428.1	1419.4	1408.5
52.5°	1524.7	1522.6	1520.3	1516.7	1520.3	1522.6	1524.7	1523.5	1518.0	1505.3	1489.5
50°	1657.8	1659.9	1659.7	1656.8	1659.7	1659.9	1657.8	1650.6	1636.6	1614.3	1587.4
47.5°	1864.7	1875.7	1883.1	1887.6	1883.1	1875.7	1864.7	1844.9	1813.8	1771.7	1721.7
45°	2175.0	2197.0	2212.6	2225.6	2212.6	2197.0	2175.0	2138.0	2080.1	2007.3	1927.1
42.5°	2653.5	2702.8	2726.1	2720.2	2726.1	2702.8	2653.5	2581.0	2477.9	2350.2	2224.8
40°	3451.7	3531.2	3575.3	3610.4	3575.3	3531.2	3451.7	3317.8	3116.7	2873.4	2680.9
37.5°	4853.7	5008.1	5089.4	5160.1	5089.4	5008.1	4853.7	4584.9	4191.1	3723.0	3418.0
35°	7282.3	7629.6	7815.6	7880.3	7815.6	7629.6	7282.3	6718.5	5964.0	5174.4	4617.7
32.5°	11178.2	11818.9	12173.1	12446.9	12173.1	11818.9	11178.2	10127.2	8776.6	7525.1	6481.5
30°	15999.7	16843.6	17312.2	17541.1	17312.2	16843.6	15999.7	14627.2	12893.9	11135.0	9240.6
27.5°	20942.3	21901.7	22407.0	22379.7	22407.0	21901.7	20942.3	19435.8	17618.3	15439.1	12987.6
25°	25837.2	26948.4	27451.8	27902.5	27451.8	26948.4	25837.2	24115.6	22107.4	19825.9	17189.5
22.5°	30787.8	32087.1	32796.1	33128.6	32796.1	32087.1	30787.8	28863.5	26689.7	24149.2	21336.9
20°	35679.4	37125.8	37878.6	38206.2	37878.6	37125.8	35679.4	33791.3	31341.2	28460.7	25364.1
17.5°	40017.9	41429.9	42147.3	42451.4	42147.3	41429.9	40017.9	38285.1	35725.1	32677.0	29163.9
15°	43482.0	44523.5	45133.6	45295.2	45133.6	44523.5	43482.0	41992.7	39586.2	36458.7	32806.1
12.5°	45876.6	46280.0	46573.4	46663.5	46573.4	46280.0	45876.6	44634.3	42761.0	39667.9	35950.8
10°	47100.8	46918.8	46843.6	46853.1	46843.6	46918.8	47100.8	46192.4	44595.9	42135.4	38684.2
7.5°	47016.6	46747.1	46205.7	46119.5	46205.7	46747.1	47016.6	46804.5	45693.1	43638.2	40456.1
5°	46341.1	45850.4	44951.8	44693.5	44951.8	45850.4	46341.1	46424.6	45866.6	44340.1	41589.8
2.5°	45553.8	44669.1	43841.3	43308.6	43841.3	44669.1	45553.8	45921.9	45825.7	44814.0	42480.5
0°	45319.9	44297.8	43226.2	42880.0	43226.2	44297.8	45319.9	45806.3	45822.8	44990.2	42847.0
-2.5°	45553.8	44669.1	43841.3	43308.6	43841.3	44669.1	45553.8	45921.9	45825.7	44814.0	42480.5
-5°	46341.1	45850.4	44951.8	44693.5	44951.8	45850.4	46341.1	46424.6	45866.6	44340.1	41589.8
-7.5°	47016.6	46747.1	46205.7	46119.5	46205.7	46747.1	47016.6	46804.5	45693.1	43638.2	40456.1
-10°	47100.8	46918.8	46843.6	46853.1	46843.6	46918.8	47100.8	46192.4	44595.9	42135.4	38684.2
-12.5°	45876.6	46280.0	46573.4	46663.5	46573.4	46280.0	45876.6	44634.3	42761.0	39667.9	35950.8
-15°	43482.0	44523.5	45133.6	45295.2	45133.6	44523.5	43482.0	41992.7	39586.2	36458.7	32806.1
-17.5°	40017.9	41429.9	42147.3	42451.4	42147.3	41429.9	40017.9	38285.1	35725.1	32677.0	29163.9
-20°	35679.4	37125.8	37878.6	38206.2	37878.6	37125.8	35679.4	33791.3	31341.2	28460.7	25364.1



REPORT NUMBER: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	30787.8	32087.1	32796.1	33128.6	32796.1	32087.1	30787.8	28863.5	26689.7	24149.2	21336.9
-25°	25837.2	26948.4	27451.8	27902.5	27451.8	26948.4	25837.2	24115.6	22107.4	19825.9	17189.5
-27.5°	20942.3	21901.7	22407.0	22379.7	22407.0	21901.7	20942.3	19435.8	17618.3	15439.1	12987.6
-30°	15999.7	16843.6	17312.2	17541.1	17312.2	16843.6	15999.7	14627.2	12893.9	11135.0	9240.6
-32.5°	11178.2	11818.9	12173.1	12446.9	12173.1	11818.9	11178.2	10127.2	8776.6	7525.1	6481.5
-35°	7282.3	7629.6	7815.6	7880.3	7815.6	7629.6	7282.3	6718.5	5964.0	5174.4	4617.7
-37.5°	4853.7	5008.1	5089.4	5160.1	5089.4	5008.1	4853.7	4584.9	4191.1	3723.0	3418.0
-40°	3451.7	3531.2	3575.3	3610.4	3575.3	3531.2	3451.7	3317.8	3116.7	2873.4	2680.9
-42.5°	2653.5	2702.8	2726.1	2720.2	2726.1	2702.8	2653.5	2581.0	2477.9	2350.2	2224.8
-45°	2175.0	2197.0	2212.6	2225.6	2212.6	2197.0	2175.0	2138.0	2080.1	2007.3	1927.1
-47.5°	1864.7	1875.7	1883.1	1887.6	1883.1	1875.7	1864.7	1844.9	1813.8	1771.7	1721.7
-50°	1657.8	1659.9	1659.7	1656.8	1659.7	1659.9	1657.8	1650.6	1636.6	1614.3	1587.4
-52.5°	1524.7	1522.6	1520.3	1516.7	1520.3	1522.6	1524.7	1523.5	1518.0	1505.3	1489.5
-55°	1429.0	1425.0	1421.7	1417.8	1421.7	1425.0	1429.0	1430.1	1428.1	1419.4	1408.5
-57.5°	1352.8	1350.4	1347.5	1343.6	1347.5	1350.4	1352.8	1352.9	1350.4	1344.3	1336.0
-60°	1281.9	1283.0	1281.4	1277.7	1281.4	1283.0	1281.9	1278.0	1270.8	1262.5	1253.0
-62.5°	1191.7	1198.3	1198.6	1195.2	1198.6	1198.3	1191.7	1182.6	1171.0	1160.7	1149.4
-65°	1077.8	1083.4	1086.9	1088.1	1086.9	1083.4	1077.8	1070.2	1060.8	1050.3	1037.2
-67.5°	965.0	968.3	967.7	964.4	967.7	968.3	965.0	959.8	953.2	942.7	927.2
-70°	839.2	837.7	839.8	840.8	839.8	837.7	839.2	838.5	835.5	827.8	814.1
-72.5°	714.2	714.1	712.3	708.9	712.3	714.1	714.2	712.6	709.3	703.8	695.1
-75°	591.2	590.7	588.8	585.3	588.8	590.7	591.2	590.4	588.3	584.5	576.7
-77.5°	463.0	459.7	461.0	461.6	461.0	459.7	463.0	465.0	465.4	463.5	455.3
-80°	344.6	344.6	341.8	338.0	341.8	344.6	344.6	343.6	341.6	338.5	332.8
-82.5°	236.3	237.8	234.6	230.8	234.6	237.8	236.3	234.3	231.8	228.8	224.9
-85°	132.4	131.2	127.6	123.6	127.6	131.2	132.4	133.3	133.8	133.9	129.6
-87.5°	42.9	41.0	41.2	41.2	41.2	41.0	42.9	44.7	46.3	47.8	45.2
-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: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	42.6	40.0	37.4	38.4	39.3	40.0	40.5	39.3	37.9	36.5	35.0
85°	125.0	120.1	114.9	113.5	111.7	109.7	107.3	102.6	97.6	92.4	86.9
82.5°	220.2	214.9	208.9	204.8	200.1	194.8	188.8	179.7	170.5	161.2	151.8
80°	326.3	318.9	311.0	304.2	296.5	288.1	278.2	264.2	249.5	234.9	221.3
77.5°	445.9	435.4	423.9	412.2	399.9	387.1	372.7	354.9	336.9	318.2	299.2
75°	567.2	555.9	542.6	527.0	510.2	492.0	472.7	451.3	428.7	405.2	381.4
72.5°	684.8	672.9	659.1	642.6	623.3	601.9	578.1	551.9	524.3	495.3	467.0
70°	799.4	784.1	770.5	756.3	738.2	716.2	688.0	656.4	623.2	589.8	557.0
67.5°	909.8	890.5	877.1	864.1	847.6	827.5	798.2	764.2	727.0	688.0	649.2
65°	1019.9	998.3	984.8	972.9	957.1	936.8	906.1	871.5	832.4	788.8	743.8
62.5°	1134.9	1117.2	1102.3	1085.0	1066.2	1043.7	1012.7	976.5	936.9	891.3	839.0
60°	1242.2	1229.1	1205.9	1184.5	1165.4	1141.9	1105.1	1070.3	1038.0	985.5	929.3
57.5°	1325.8	1310.4	1288.8	1266.5	1243.6	1213.3	1180.5	1147.6	1110.0	1065.9	1013.6
55°	1395.2	1378.3	1358.1	1336.2	1311.3	1277.5	1243.7	1208.6	1172.3	1135.4	1084.4
52.5°	1471.4	1452.8	1429.1	1400.1	1371.5	1338.3	1300.2	1262.9	1229.1	1191.4	1149.6
50°	1561.9	1539.3	1512.2	1481.4	1443.0	1401.6	1361.8	1318.1	1282.7	1246.0	1203.5
47.5°	1683.7	1646.3	1606.2	1569.6	1522.4	1472.4	1426.5	1381.6	1339.7	1300.1	1256.6
45°	1866.7	1796.4	1720.7	1670.1	1610.1	1553.2	1494.2	1443.7	1395.6	1350.9	1310.2
42.5°	2129.5	2017.7	1914.3	1813.7	1717.5	1647.5	1574.1	1511.4	1453.3	1400.3	1352.5
40°	2509.0	2316.1	2173.9	2015.1	1886.0	1762.6	1668.9	1583.5	1516.2	1453.3	1395.2
37.5°	3082.0	2763.1	2526.5	2278.8	2098.9	1927.3	1782.9	1671.7	1580.3	1507.4	1439.8
35°	3968.6	3471.2	3027.7	2677.2	2358.9	2132.9	1931.0	1775.2	1658.2	1562.9	1484.0
32.5°	5354.4	4565.0	3760.0	3241.8	2750.4	2381.4	2121.8	1907.3	1741.6	1628.3	1533.4
30°	7509.5	6118.0	4933.6	3967.1	3293.0	2729.3	2334.1	2071.8	1859.9	1694.3	1583.4
27.5°	10637.8	8199.7	6542.7	5036.3	3948.6	3208.1	2641.9	2247.9	1984.5	1786.9	1640.8
25°	14289.4	11370.9	8533.4	6496.1	4894.5	3749.5	3001.3	2494.6	2138.6	1883.4	1691.3
22.5°	18138.1	14715.8	11314.8	8142.4	6067.9	4541.3	3465.3	2743.3	2284.1	1986.2	1764.7
20°	21956.7	18092.5	14217.8	10589.9	7496.5	5316.5	3970.0	3073.4	2487.2	2101.4	1834.3
17.5°	25466.1	21406.6	17161.4	12966.9	9256.0	6495.3	4609.7	3407.1	2664.5	2203.7	1894.6
15°	28789.6	24503.7	20025.7	15488.7	11136.5	7533.6	5154.8	3697.9	2848.8	2322.6	1973.4
12.5°	31799.4	27285.1	22573.2	17656.7	12806.2	8697.1	5881.9	4126.4	3075.2	2446.1	2047.8
10°	34426.7	29606.6	24586.2	19478.4	14419.9	9901.8	6569.2	4491.9	3271.3	2548.3	2108.6
7.5°	36313.6	31434.4	26185.5	20950.8	15732.7	10937.1	7153.6	4781.3	3425.3	2626.8	2155.4
5°	37701.0	32859.9	27518.9	22147.3	16707.1	11711.0	7590.0	4984.8	3535.4	2680.9	2187.9
2.5°	38652.6	33761.9	28411.2	22932.3	17272.6	12165.5	7868.0	5094.2	3587.5	2723.5	2205.9
0°	38923.4	34018.8	28636.1	23344.1	17359.7	12224.3	7979.2	5110.7	3585.7	2744.9	2209.1
-2.5°	38652.6	33761.9	28411.2	22932.3	17272.6	12165.5	7868.0	5094.2	3587.5	2723.5	2205.9
-5°	37701.0	32859.9	27518.9	22147.3	16707.1	11711.0	7590.0	4984.8	3535.4	2680.9	2187.9
-7.5°	36313.6	31434.4	26185.5	20950.8	15732.7	10937.1	7153.6	4781.3	3425.3	2626.8	2155.4
-10°	34426.7	29606.6	24586.2	19478.4	14419.9	9901.8	6569.2	4491.9	3271.3	2548.3	2108.6
-12.5°	31799.4	27285.1	22573.2	17656.7	12806.2	8697.1	5881.9	4126.4	3075.2	2446.1	2047.8
-15°	28789.6	24503.7	20025.7	15488.7	11136.5	7533.6	5154.8	3697.9	2848.8	2322.6	1973.4
-17.5°	25466.1	21406.6	17161.4	12966.9	9256.0	6495.3	4609.7	3407.1	2664.5	2203.7	1894.6
-20°	21956.7	18092.5	14217.8	10589.9	7496.5	5316.5	3970.0	3073.4	2487.2	2101.4	1834.3



REPORT NUMBER: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	18138.1	14715.8	11314.8	8142.4	6067.9	4541.3	3465.3	2743.3	2284.1	1986.2	1764.7
-25°	14289.4	11370.9	8533.4	6496.1	4894.5	3749.5	3001.3	2494.6	2138.6	1883.4	1691.3
-27.5°	10637.8	8199.7	6542.7	5036.3	3948.6	3208.1	2641.9	2247.9	1984.5	1786.9	1640.8
-30°	7509.5	6118.0	4933.6	3967.1	3293.0	2729.3	2334.1	2071.8	1859.9	1694.3	1583.4
-32.5°	5354.4	4565.0	3760.0	3241.8	2750.4	2381.4	2121.8	1907.3	1741.6	1628.3	1533.4
-35°	3968.6	3471.2	3027.7	2677.2	2358.9	2132.9	1931.0	1775.2	1658.2	1562.9	1484.0
-37.5°	3082.0	2763.1	2526.5	2278.8	2098.9	1927.3	1782.9	1671.7	1580.3	1507.4	1439.8
-40°	2509.0	2316.1	2173.9	2015.1	1886.0	1762.6	1668.9	1583.5	1516.2	1453.3	1395.2
-42.5°	2129.5	2017.7	1914.3	1813.7	1717.5	1647.5	1574.1	1511.4	1453.3	1400.3	1352.5
-45°	1866.7	1796.4	1720.7	1670.1	1610.1	1553.2	1494.2	1443.7	1395.6	1350.9	1310.2
-47.5°	1683.7	1646.3	1606.2	1569.6	1522.4	1472.4	1426.5	1381.6	1339.7	1300.1	1256.6
-50°	1561.9	1539.3	1512.2	1481.4	1443.0	1401.6	1361.8	1318.1	1282.7	1246.0	1203.5
-52.5°	1471.4	1452.8	1429.1	1400.1	1371.5	1338.3	1300.2	1262.9	1229.1	1191.4	1149.6
-55°	1395.2	1378.3	1358.1	1336.2	1311.3	1277.5	1243.7	1208.6	1172.3	1135.4	1084.4
-57.5°	1325.8	1310.4	1288.8	1266.5	1243.6	1213.3	1180.5	1147.6	1110.0	1065.9	1013.6
-60°	1242.2	1229.1	1205.9	1184.5	1165.4	1141.9	1105.1	1070.3	1038.0	985.5	929.3
-62.5°	1134.9	1117.2	1102.3	1085.0	1066.2	1043.7	1012.7	976.5	936.9	891.3	839.0
-65°	1019.9	998.3	984.8	972.9	957.1	936.8	906.1	871.5	832.4	788.8	743.8
-67.5°	909.8	890.5	877.1	864.1	847.6	827.5	798.2	764.2	727.0	688.0	649.2
-70°	799.4	784.1	770.5	756.3	738.2	716.2	688.0	656.4	623.2	589.8	557.0
-72.5°	684.8	672.9	659.1	642.6	623.3	601.9	578.1	551.9	524.3	495.3	467.0
-75°	567.2	555.9	542.6	527.0	510.2	492.0	472.7	451.3	428.7	405.2	381.4
-77.5°	445.9	435.4	423.9	412.2	399.9	387.1	372.7	354.9	336.9	318.2	299.2
-80°	326.3	318.9	311.0	304.2	296.5	288.1	278.2	264.2	249.5	234.9	221.3
-82.5°	220.2	214.9	208.9	204.8	200.1	194.8	188.8	179.7	170.5	161.2	151.8
-85°	125.0	120.1	114.9	113.5	111.7	109.7	107.3	102.6	97.6	92.4	86.9
-87.5°	42.6	40.0	37.4	38.4	39.3	40.0	40.5	39.3	37.9	36.5	35.0
-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: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	33.4	31.8	30.1	28.4	26.6	24.7	22.9	20.9	18.1	15.5	13.0
85°	81.2	75.3	69.1	62.7	56.0	49.5	45.7	41.7	36.2	30.9	26.0
82.5°	142.4	133.3	124.1	114.4	103.3	92.4	81.7	71.2	59.6	47.3	38.8
80°	208.8	195.8	182.4	168.2	152.0	135.0	120.2	105.7	91.6	76.5	60.6
77.5°	280.9	262.0	242.3	224.3	205.6	185.7	164.5	142.5	123.5	105.7	86.8
75°	357.9	334.9	311.3	286.9	261.8	236.3	212.1	186.7	161.2	135.3	112.8
72.5°	439.6	411.0	381.5	351.3	322.0	292.0	261.2	230.5	200.8	170.6	140.0
70°	523.5	488.7	454.2	420.1	384.3	347.3	312.2	276.1	239.9	205.5	170.6
67.5°	609.1	569.9	529.4	489.2	449.5	407.8	363.7	321.4	280.3	239.9	200.8
65°	699.1	652.7	605.2	559.6	514.1	468.5	420.4	367.7	319.8	274.6	230.5
62.5°	787.6	737.0	683.6	629.3	577.6	527.1	476.0	417.4	359.5	308.5	259.7
60°	873.5	816.7	759.3	699.2	640.4	583.9	527.1	465.8	402.7	341.5	288.3
57.5°	952.2	892.6	828.5	765.2	701.8	639.2	576.4	511.4	444.6	377.4	316.1
55°	1026.1	961.2	894.2	825.9	759.3	692.7	624.6	555.2	484.9	413.2	343.3
52.5°	1095.5	1027.7	956.5	884.0	812.0	743.2	671.3	597.7	523.2	447.7	373.1
50°	1156.1	1092.4	1017.1	940.5	862.5	789.8	716.6	638.9	560.2	480.7	402.3
47.5°	1207.1	1148.5	1075.8	995.1	913.1	835.4	759.1	678.7	595.9	512.4	430.3
45°	1256.9	1200.4	1130.1	1047.7	963.1	880.9	800.0	716.9	630.3	543.1	457.0
42.5°	1303.5	1247.2	1181.5	1098.2	1010.8	924.7	839.8	753.1	663.2	572.2	482.4
40°	1343.3	1288.1	1229.9	1146.8	1055.8	966.1	877.5	787.9	694.6	599.9	506.4
37.5°	1382.0	1325.4	1265.5	1192.6	1098.0	1004.8	912.9	821.3	725.0	626.8	529.1
35°	1419.5	1361.0	1297.4	1228.1	1137.3	1041.0	946.0	852.5	753.4	652.4	550.2
32.5°	1452.9	1392.8	1326.8	1256.8	1173.6	1074.4	976.7	879.9	779.8	676.6	569.9
30°	1492.8	1419.6	1353.3	1285.1	1204.5	1105.0	1005.0	905.5	804.1	699.5	588.4
27.5°	1531.0	1445.3	1377.0	1308.5	1228.8	1132.8	1031.2	929.2	826.4	720.3	606.7
25°	1567.9	1474.7	1399.0	1328.2	1252.1	1159.3	1055.3	950.8	846.0	738.4	623.6
22.5°	1610.3	1501.7	1419.5	1345.3	1274.3	1183.3	1077.1	970.4	863.4	754.7	639.0
20°	1648.1	1523.9	1438.5	1361.3	1291.1	1201.4	1096.5	987.9	879.0	769.1	653.0
17.5°	1684.9	1549.2	1457.0	1376.8	1303.6	1217.3	1113.6	1003.2	892.7	781.5	665.3
15°	1736.1	1578.0	1473.2	1390.0	1314.1	1230.8	1128.2	1016.3	904.3	792.1	676.5
12.5°	1779.9	1602.2	1486.5	1400.8	1322.7	1242.0	1140.3	1027.2	914.0	801.5	686.3
10°	1815.5	1621.5	1496.8	1409.2	1329.4	1250.8	1149.9	1036.4	923.1	809.7	694.4
7.5°	1842.6	1635.9	1504.3	1415.1	1333.9	1257.2	1158.7	1044.6	930.3	816.1	700.7
5°	1860.9	1645.3	1510.5	1418.5	1336.5	1261.1	1165.3	1050.4	935.5	820.6	705.3
2.5°	1870.5	1649.6	1515.1	1419.4	1337.0	1262.4	1169.2	1053.9	938.7	823.4	708.0
0°	1871.2	1648.6	1516.7	1417.8	1335.4	1261.2	1170.5	1055.1	939.7	824.3	708.9
-2.5°	1870.5	1649.6	1515.1	1419.4	1337.0	1262.4	1169.2	1053.9	938.7	823.4	708.0
-5°	1860.9	1645.3	1510.5	1418.5	1336.5	1261.1	1165.3	1050.4	935.5	820.6	705.3
-7.5°	1842.6	1635.9	1504.3	1415.1	1333.9	1257.2	1158.7	1044.6	930.3	816.1	700.7
-10°	1815.5	1621.5	1496.8	1409.2	1329.4	1250.8	1149.9	1036.4	923.1	809.7	694.4
-12.5°	1779.9	1602.2	1486.5	1400.8	1322.7	1242.0	1140.3	1027.2	914.0	801.5	686.3
-15°	1736.1	1578.0	1473.2	1390.0	1314.1	1230.8	1128.2	1016.3	904.3	792.1	676.5
-17.5°	1684.9	1549.2	1457.0	1376.8	1303.6	1217.3	1113.6	1003.2	892.7	781.5	665.3
-20°	1648.1	1523.9	1438.5	1361.3	1291.1	1201.4	1096.5	987.9	879.0	769.1	653.0

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

Scaled Data Report



REPORT NUMBER: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	1610.3	1501.7	1419.5	1345.3	1274.3	1183.3	1077.1	970.4	863.4	754.7	639.0
-25°	1567.9	1474.7	1399.0	1328.2	1252.1	1159.3	1055.3	950.8	846.0	738.4	623.6
-27.5°	1531.0	1445.3	1377.0	1308.5	1228.8	1132.8	1031.2	929.2	826.4	720.3	606.7
-30°	1492.8	1419.6	1353.3	1285.1	1204.5	1105.0	1005.0	905.5	804.1	699.5	588.4
-32.5°	1452.9	1392.8	1326.8	1256.8	1173.6	1074.4	976.7	879.9	779.8	676.6	569.9
-35°	1419.5	1361.0	1297.4	1228.1	1137.3	1041.0	946.0	852.5	753.4	652.4	550.2
-37.5°	1382.0	1325.4	1265.5	1192.6	1098.0	1004.8	912.9	821.3	725.0	626.8	529.1
-40°	1343.3	1288.1	1229.9	1146.8	1055.8	966.1	877.5	787.9	694.6	599.9	506.4
-42.5°	1303.5	1247.2	1181.5	1098.2	1010.8	924.7	839.8	753.1	663.2	572.2	482.4
-45°	1256.9	1200.4	1130.1	1047.7	963.1	880.9	800.0	716.9	630.3	543.1	457.0
-47.5°	1207.1	1148.5	1075.8	995.1	913.1	835.4	759.1	678.7	595.9	512.4	430.3
-50°	1156.1	1092.4	1017.1	940.5	862.5	789.8	716.6	638.9	560.2	480.7	402.3
-52.5°	1095.5	1027.7	956.5	884.0	812.0	743.2	671.3	597.7	523.2	447.7	373.1
-55°	1026.1	961.2	894.2	825.9	759.3	692.7	624.6	555.2	484.9	413.2	343.3
-57.5°	952.2	892.6	828.5	765.2	701.8	639.2	576.4	511.4	444.6	377.4	316.1
-60°	873.5	816.7	759.3	699.2	640.4	583.9	527.1	465.8	402.7	341.5	288.3
-62.5°	787.6	737.0	683.6	629.3	577.6	527.1	476.0	417.4	359.5	308.5	259.7
-65°	699.1	652.7	605.2	559.6	514.1	468.5	420.4	367.7	319.8	274.6	230.5
-67.5°	609.1	569.9	529.4	489.2	449.5	407.8	363.7	321.4	280.3	239.9	200.8
-70°	523.5	488.7	454.2	420.1	384.3	347.3	312.2	276.1	239.9	205.5	170.6
-72.5°	439.6	411.0	381.5	351.3	322.0	292.0	261.2	230.5	200.8	170.6	140.0
-75°	357.9	334.9	311.3	286.9	261.8	236.3	212.1	186.7	161.2	135.3	112.8
-77.5°	280.9	262.0	242.3	224.3	205.6	185.7	164.5	142.5	123.5	105.7	86.8
-80°	208.8	195.8	182.4	168.2	152.0	135.0	120.2	105.7	91.6	76.5	60.6
-82.5°	142.4	133.3	124.1	114.4	103.3	92.4	81.7	71.2	59.6	47.3	38.8
-85°	81.2	75.3	69.1	62.7	56.0	49.5	45.7	41.7	36.2	30.9	26.0
-87.5°	33.4	31.8	30.1	28.4	26.6	24.7	22.9	20.9	18.1	15.5	13.0
-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: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	10.7	8.9	7.2	5.4	3.6	1.8	0.0
85°	21.3	17.8	14.3	10.7	7.2	3.6	0.0
82.5°	31.9	26.7	21.4	16.1	10.7	5.4	0.0
80°	44.0	35.5	28.5	21.4	14.3	7.2	0.0
77.5°	67.0	47.9	35.5	26.7	17.8	8.9	0.0
75°	89.9	67.0	44.0	31.9	21.3	10.7	0.0
72.5°	112.4	85.9	59.1	37.1	24.7	12.4	0.0
70°	135.2	104.5	74.0	43.3	28.2	14.1	0.0
67.5°	161.0	122.9	88.7	54.4	31.5	15.8	0.0
65°	186.2	142.2	103.2	65.2	34.8	17.4	0.0
62.5°	210.7	162.5	117.4	75.9	38.0	19.0	0.0
60°	234.7	182.2	131.2	86.3	41.2	20.6	0.0
57.5°	258.7	201.4	146.3	96.4	47.8	22.1	0.0
55°	282.2	219.9	161.0	106.3	54.2	23.6	0.0
52.5°	305.2	238.1	175.2	115.8	60.5	25.1	0.0
50°	327.6	256.8	188.9	125.1	66.5	26.5	0.0
47.5°	349.6	275.0	202.0	134.2	72.2	27.8	0.0
45°	372.4	292.5	214.5	143.6	77.7	29.1	0.0
42.5°	394.1	309.4	226.5	152.6	82.9	30.4	0.0
40°	414.7	325.6	238.6	160.8	87.8	31.6	0.0
37.5°	434.2	341.1	250.9	168.5	92.4	32.7	0.0
35°	452.4	356.2	262.5	175.8	96.8	33.7	0.0
32.5°	469.4	370.4	273.5	182.6	100.8	34.7	0.0
30°	485.1	383.6	283.9	188.8	104.5	35.7	0.0
27.5°	499.5	395.8	293.0	194.6	107.9	36.5	0.0
25°	512.5	406.9	301.4	199.9	111.0	37.3	0.0
22.5°	524.3	416.8	308.9	204.6	113.7	38.1	0.0
20°	534.7	425.2	315.6	208.8	116.1	38.7	0.0
17.5°	544.1	432.5	321.4	212.5	118.2	39.3	0.0
15°	552.5	438.8	326.4	215.6	120.0	39.8	0.0
12.5°	559.8	444.0	330.5	218.2	121.4	40.2	0.0
10°	565.9	448.1	333.8	220.2	122.5	40.6	0.0
7.5°	570.7	451.1	336.2	221.7	123.3	40.8	0.0
5°	574.2	453.0	337.7	222.5	123.7	41.0	0.0
2.5°	576.3	453.8	338.3	222.9	123.8	41.2	0.0
0°	577.0	453.4	338.0	222.6	123.6	41.2	0.0
-2.5°	576.3	453.8	338.3	222.9	123.8	41.2	0.0
-5°	574.2	453.0	337.7	222.5	123.7	41.0	0.0
-7.5°	570.7	451.1	336.2	221.7	123.3	40.8	0.0
-10°	565.9	448.1	333.8	220.2	122.5	40.6	0.0
-12.5°	559.8	444.0	330.5	218.2	121.4	40.2	0.0
-15°	552.5	438.8	326.4	215.6	120.0	39.8	0.0
-17.5°	544.1	432.5	321.4	212.5	118.2	39.3	0.0
-20°	534.7	425.2	315.6	208.8	116.1	38.7	0.0

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REPORT NUMBER: P627717 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	524.3	416.8	308.9	204.6	113.7	38.1	0.0
-25°	512.5	406.9	301.4	199.9	111.0	37.3	0.0
-27.5°	499.5	395.8	293.0	194.6	107.9	36.5	0.0
-30°	485.1	383.6	283.9	188.8	104.5	35.7	0.0
-32.5°	469.4	370.4	273.5	182.6	100.8	34.7	0.0
-35°	452.4	356.2	262.5	175.8	96.8	33.7	0.0
-37.5°	434.2	341.1	250.9	168.5	92.4	32.7	0.0
-40°	414.7	325.6	238.6	160.8	87.8	31.6	0.0
-42.5°	394.1	309.4	226.5	152.6	82.9	30.4	0.0
-45°	372.4	292.5	214.5	143.6	77.7	29.1	0.0
-47.5°	349.6	275.0	202.0	134.2	72.2	27.8	0.0
-50°	327.6	256.8	188.9	125.1	66.5	26.5	0.0
-52.5°	305.2	238.1	175.2	115.8	60.5	25.1	0.0
-55°	282.2	219.9	161.0	106.3	54.2	23.6	0.0
-57.5°	258.7	201.4	146.3	96.4	47.8	22.1	0.0
-60°	234.7	182.2	131.2	86.3	41.2	20.6	0.0
-62.5°	210.7	162.5	117.4	75.9	38.0	19.0	0.0
-65°	186.2	142.2	103.2	65.2	34.8	17.4	0.0
-67.5°	161.0	122.9	88.7	54.4	31.5	15.8	0.0
-70°	135.2	104.5	74.0	43.3	28.2	14.1	0.0
-72.5°	112.4	85.9	59.1	37.1	24.7	12.4	0.0
-75°	89.9	67.0	44.0	31.9	21.3	10.7	0.0
-77.5°	67.0	47.9	35.5	26.7	17.8	8.9	0.0
-80°	44.0	35.5	28.5	21.4	14.3	7.2	0.0
-82.5°	31.9	26.7	21.4	16.1	10.7	5.4	0.0
-85°	21.3	17.8	14.3	10.7	7.2	3.6	0.0
-87.5°	10.7	8.9	7.2	5.4	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)