

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: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
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-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N131
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

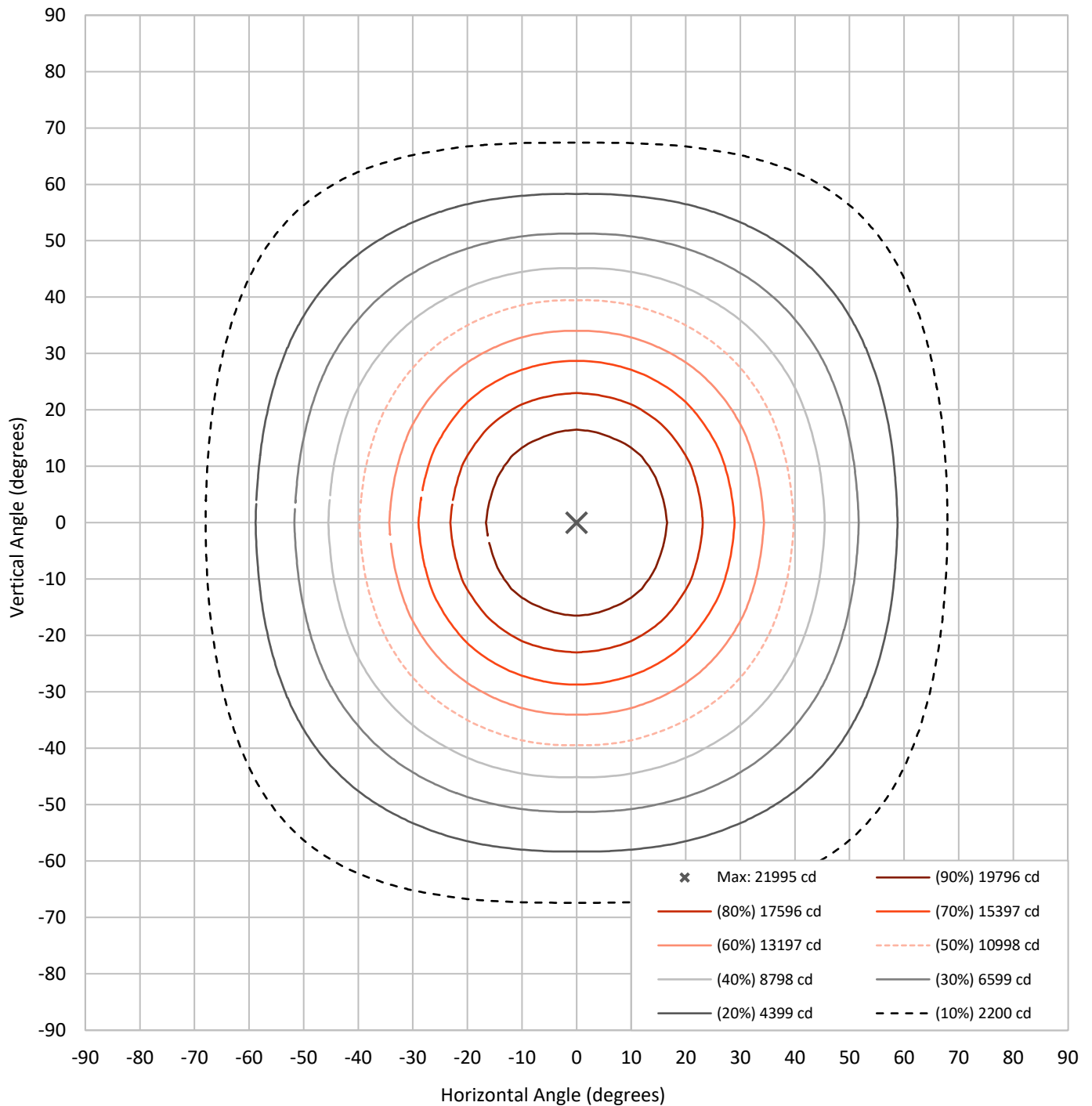
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	39754.1 lumens	Max Intensity:	21995 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	146.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	23316 lumens	Field Lumens:	37898.7 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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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CATALOG NUMBER: GFLD-SA5D-750-U-VWR-XX

Iso-Candela Plot





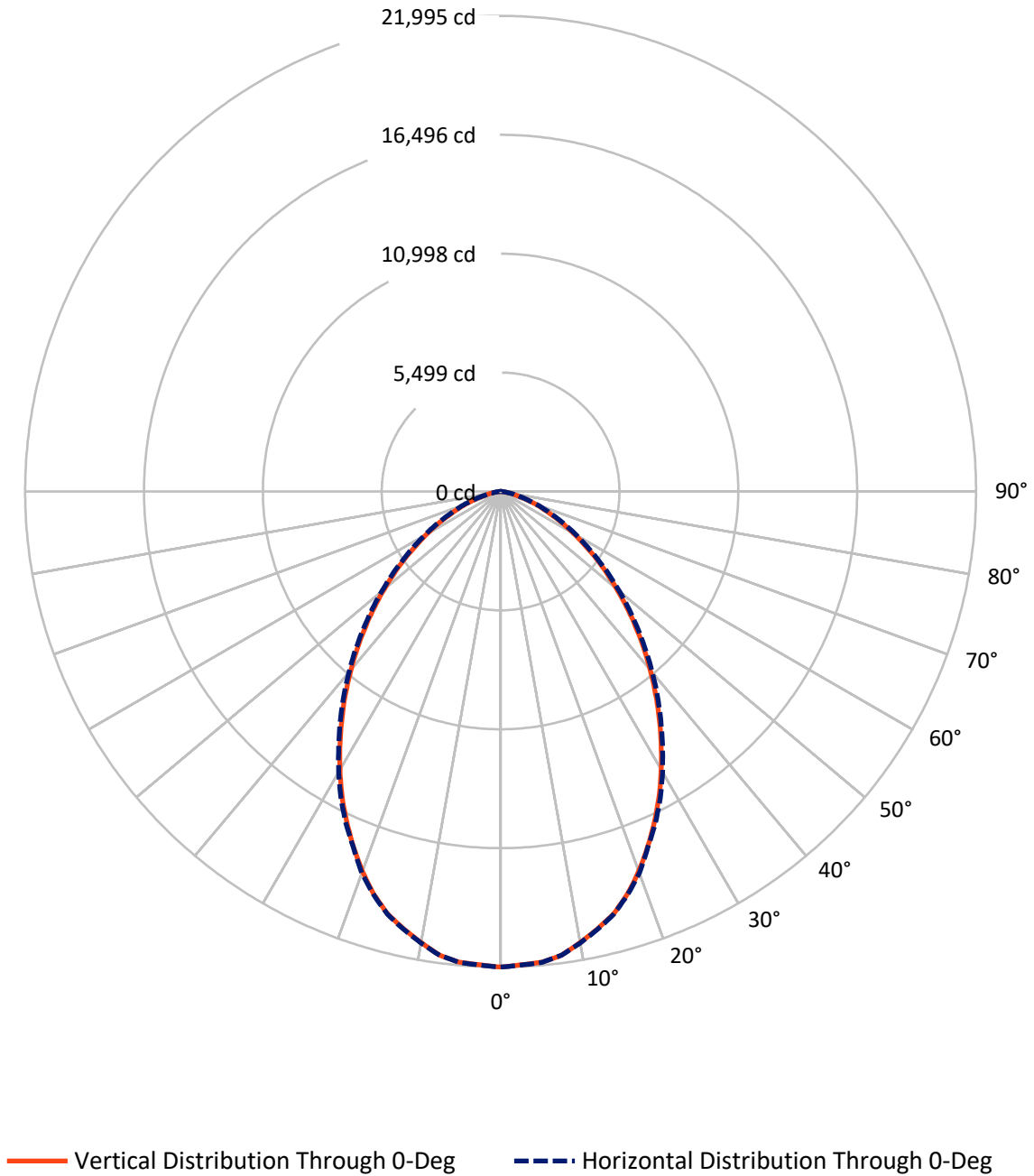
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Lumen Table

90																			
80	1.3	16.3	44.3	75.3	71.0	75.3	44.3	16.3	1.3										
70																			
60	7.4	10.2	20.6	35.1	51.3	66.2	77.5	82.9	82.9	77.5	66.2	51.3	35.1	20.6	10.2	7.4			
50																			
40	13.0	15.3	33.4	59.6	90.3	122.7	149.4	163.2	163.2	149.4	122.7	90.3	59.6	33.4	15.3	13.0			
30																			
20	16.7	20.5	48.3	89.2	141.4	196.0	241.8	266.8	266.8	241.8	196.0	141.4	89.2	48.3	20.5	16.7			
10																			
0	18.2	26.0	64.0	122.9	198.0	277.5	345.5	384.1	384.1	345.5	277.5	198.0	122.9	64.0	26.0	18.2			
-10																			
-20	16.7	31.1	78.8	154.5	252.0	357.7	450.0	502.9	502.9	450.0	357.7	252.0	154.5	78.8	31.1	16.7			
-30																			
-40	13.0	35.1	90.2	178.1	294.2	422.8	536.2	600.7	600.7	536.2	422.8	294.2	178.1	90.2	35.1	13.0			
-50																			
-60	7.4	37.2	96.5	191.6	317.7	458.8	582.9	650.7	650.7	582.9	458.8	317.7	191.6	96.5	37.2	7.4			
-70																			
-80	1.3	37.2	96.5	191.6	317.7	458.8	582.9	650.7	650.7	582.9	458.8	317.7	191.6	96.5	37.2	1.3			
-90																			

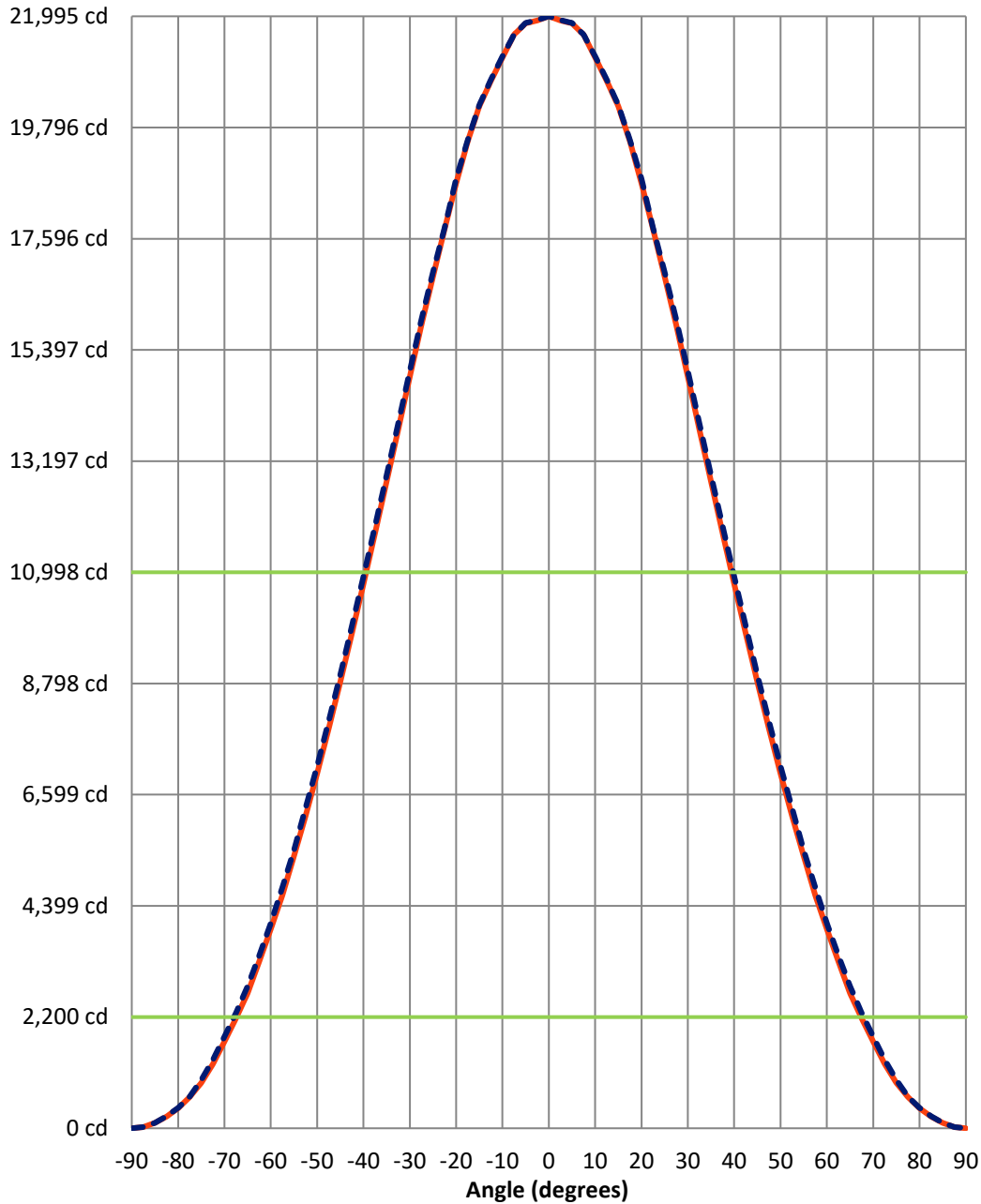
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 23316
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 37898.7
 Efficiency: 95.3%

Spill:
 Lumens: 1855.4
 Efficiency: 4.7%

— Vertical Distribution through 0-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	1.3	2.9	4.3	5.7	7.1	8.5	9.9	11.3	12.6	13.9
85°	0.0	2.5	5.7	8.6	11.4	14.3	17.1	19.8	22.5	25.2	27.9
82.5°	0.0	3.8	8.6	12.9	17.1	21.4	25.6	29.7	37.2	58.5	78.9
80°	0.0	5.0	11.4	17.1	22.8	28.4	38.4	68.4	97.2	124.9	151.5
77.5°	0.0	6.2	14.2	21.4	28.4	44.6	83.7	121.5	157.0	191.1	233.3
75°	0.0	7.4	16.9	25.6	37.0	77.1	127.9	174.2	218.5	279.6	344.4
72.5°	0.0	8.6	19.6	29.7	59.0	108.7	170.7	230.8	300.5	374.8	453.5
70°	0.0	9.8	22.2	35.6	80.3	139.1	213.4	298.7	380.8	468.3	570.6
67.5°	0.0	10.9	24.7	48.7	100.7	168.3	264.8	365.1	459.3	569.8	687.0
65°	0.0	12.0	27.2	61.4	120.2	201.0	314.0	429.6	544.0	668.3	796.0
62.5°	0.0	13.1	29.6	73.4	138.7	236.8	360.6	497.1	626.0	762.4	893.5
60°	0.0	14.1	31.9	84.8	156.1	270.7	404.6	564.0	704.8	850.5	989.7
57.5°	0.0	15.1	38.3	95.6	179.3	302.5	450.9	626.3	782.6	937.1	1080.9
55°	0.0	16.1	44.5	105.6	201.4	332.1	494.7	680.2	859.1	1020.7	1168.4
52.5°	0.0	17.0	50.6	114.8	221.9	360.2	535.3	736.2	933.8	1097.7	1253.6
50°	0.0	17.9	56.3	123.3	240.8	390.0	572.5	789.4	1004.8	1172.4	1351.4
47.5°	0.0	18.8	61.8	132.1	258.0	417.2	607.3	838.9	1069.0	1244.7	1447.1
45°	0.0	19.5	67.1	143.5	273.6	441.8	646.1	884.5	1119.0	1326.5	1538.7
42.5°	0.0	20.3	72.0	153.9	287.3	463.6	681.6	926.5	1166.9	1404.8	1646.5
40°	0.0	21.0	76.7	164.5	301.1	482.7	713.9	966.2	1216.6	1478.2	1751.6
37.5°	0.0	21.6	81.0	175.0	314.8	499.0	742.8	1003.8	1272.4	1547.8	1850.2
35°	0.0	22.2	85.1	184.7	326.5	517.8	768.2	1039.3	1326.8	1627.9	1949.5
32.5°	0.0	22.7	88.8	193.7	336.3	536.7	791.8	1072.5	1379.6	1704.9	2054.6
30°	0.0	23.2	92.2	202.0	344.2	552.8	816.3	1105.7	1430.6	1778.5	2152.9
27.5°	0.0	23.6	95.3	209.4	356.0	566.1	838.3	1144.3	1483.0	1848.4	2244.1
25°	0.0	24.0	98.0	216.1	367.1	576.7	857.6	1180.1	1537.7	1919.5	2328.5
22.5°	0.0	24.3	100.5	222.0	376.8	587.3	874.2	1212.9	1588.0	1986.8	2418.3
20°	0.0	24.5	102.5	227.1	385.2	601.9	887.9	1242.4	1633.7	2047.0	2498.9
17.5°	0.0	24.7	104.3	231.4	392.2	613.9	905.0	1268.4	1674.4	2099.8	2569.9
15°	0.0	24.9	105.7	234.9	397.9	623.1	922.8	1293.2	1709.8	2145.0	2631.2
12.5°	0.0	25.0	106.8	237.5	402.2	629.8	937.3	1316.5	1741.8	2182.6	2682.4
10°	0.0	25.0	107.5	239.4	405.2	634.0	948.3	1334.4	1769.4	2217.9	2725.7
7.5°	0.0	25.0	107.9	240.5	406.9	635.6	955.8	1347.0	1790.7	2246.3	2763.0
5°	0.0	25.0	108.0	240.8	407.2	634.9	959.7	1354.1	1805.3	2266.9	2789.8
2.5°	0.0	24.9	107.8	240.3	406.3	631.8	959.9	1355.8	1813.1	2279.4	2805.8
0°	0.0	24.7	107.2	239.1	404.0	626.5	956.3	1352.0	1813.7	2283.6	2811.2
-2.5°	0.0	24.9	107.8	240.3	406.3	631.8	959.9	1355.8	1813.1	2279.4	2805.8
-5°	0.0	25.0	108.0	240.8	407.2	634.9	959.7	1354.1	1805.3	2266.9	2789.8
-7.5°	0.0	25.0	107.9	240.5	406.9	635.6	955.8	1347.0	1790.7	2246.3	2763.0
-10°	0.0	25.0	107.5	239.4	405.2	634.0	948.3	1334.4	1769.4	2217.9	2725.7
-12.5°	0.0	25.0	106.8	237.5	402.2	629.8	937.3	1316.5	1741.8	2182.6	2682.4
-15°	0.0	24.9	105.7	234.9	397.9	623.1	922.8	1293.2	1709.8	2145.0	2631.2
-17.5°	0.0	24.7	104.3	231.4	392.2	613.9	905.0	1268.4	1674.4	2099.8	2569.9
-20°	0.0	24.5	102.5	227.1	385.2	601.9	887.9	1242.4	1633.7	2047.0	2498.9

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.3	100.5	222.0	376.8	587.3	874.2	1212.9	1588.0	1986.8	2418.3
-25°	0.0	24.0	98.0	216.1	367.1	576.7	857.6	1180.1	1537.7	1919.5	2328.5
-27.5°	0.0	23.6	95.3	209.4	356.0	566.1	838.3	1144.3	1483.0	1848.4	2244.1
-30°	0.0	23.2	92.2	202.0	344.2	552.8	816.3	1105.7	1430.6	1778.5	2152.9
-32.5°	0.0	22.7	88.8	193.7	336.3	536.7	791.8	1072.5	1379.6	1704.9	2054.6
-35°	0.0	22.2	85.1	184.7	326.5	517.8	768.2	1039.3	1326.8	1627.9	1949.5
-37.5°	0.0	21.6	81.0	175.0	314.8	499.0	742.8	1003.8	1272.4	1547.8	1850.2
-40°	0.0	21.0	76.7	164.5	301.1	482.7	713.9	966.2	1216.6	1478.2	1751.6
-42.5°	0.0	20.3	72.0	153.9	287.3	463.6	681.6	926.5	1166.9	1404.8	1646.5
-45°	0.0	19.5	67.1	143.5	273.6	441.8	646.1	884.5	1119.0	1326.5	1538.7
-47.5°	0.0	18.8	61.8	132.1	258.0	417.2	607.3	838.9	1069.0	1244.7	1447.1
-50°	0.0	17.9	56.3	123.3	240.8	390.0	572.5	789.4	1004.8	1172.4	1351.4
-52.5°	0.0	17.0	50.6	114.8	221.9	360.2	535.3	736.2	933.8	1097.7	1253.6
-55°	0.0	16.1	44.5	105.6	201.4	332.1	494.7	680.2	859.1	1020.7	1168.4
-57.5°	0.0	15.1	38.3	95.6	179.3	302.5	450.9	626.3	782.6	937.1	1080.9
-60°	0.0	14.1	31.9	84.8	156.1	270.7	404.6	564.0	704.8	850.5	989.7
-62.5°	0.0	13.1	29.6	73.4	138.7	236.8	360.6	497.1	626.0	762.4	893.5
-65°	0.0	12.0	27.2	61.4	120.2	201.0	314.0	429.6	544.0	668.3	796.0
-67.5°	0.0	10.9	24.7	48.7	100.7	168.3	264.8	365.1	459.3	569.8	687.0
-70°	0.0	9.8	22.2	35.6	80.3	139.1	213.4	298.7	380.8	468.3	570.6
-72.5°	0.0	8.6	19.6	29.7	59.0	108.7	170.7	230.8	300.5	374.8	453.5
-75°	0.0	7.4	16.9	25.6	37.0	77.1	127.9	174.2	218.5	279.6	344.4
-77.5°	0.0	6.2	14.2	21.4	28.4	44.6	83.7	121.5	157.0	191.1	233.3
-80°	0.0	5.0	11.4	17.1	22.8	28.4	38.4	68.4	97.2	124.9	151.5
-82.5°	0.0	3.8	8.6	12.9	17.1	21.4	25.6	29.7	37.2	58.5	78.9
-85°	0.0	2.5	5.7	8.6	11.4	14.3	17.1	19.8	22.5	25.2	27.9
-87.5°	0.0	1.3	2.9	4.3	5.7	7.1	8.5	9.9	11.3	12.6	13.9
-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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CATALOG NUMBER: GFLD-SA5D-750-U-VWR-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°	16.2	18.5	21.0	23.6	23.8	23.9	23.7	23.3	24.3	25.3	26.2
85°	32.3	37.0	51.4	65.2	71.9	76.1	77.9	77.6	90.3	104.9	120.8
82.5°	100.3	121.0	140.7	159.5	164.3	164.4	162.8	163.3	193.0	227.0	261.8
80°	178.6	204.8	239.6	270.5	283.8	290.8	293.9	293.4	330.9	380.9	433.5
77.5°	283.4	327.5	365.9	398.6	416.2	431.8	444.4	454.1	502.4	565.5	628.2
75°	402.7	451.2	499.3	541.2	570.6	592.3	612.6	645.2	708.3	782.1	846.2
72.5°	528.6	590.5	644.1	689.7	730.8	774.6	823.5	877.0	943.7	1017.3	1084.4
70°	663.1	731.1	787.3	842.1	898.2	963.7	1037.1	1109.3	1183.7	1264.9	1343.1
67.5°	794.7	860.3	926.4	995.6	1079.5	1167.2	1254.0	1353.6	1455.5	1545.7	1626.4
65°	908.9	985.8	1068.6	1162.5	1266.2	1377.6	1493.4	1612.8	1742.1	1850.5	1949.2
62.5°	1018.1	1110.5	1211.1	1328.1	1460.4	1592.3	1740.0	1889.6	2035.1	2162.7	2280.7
60°	1118.6	1230.7	1357.9	1501.3	1655.7	1831.0	1999.2	2169.3	2328.9	2473.4	2622.6
57.5°	1216.6	1357.5	1510.1	1682.3	1877.5	2074.4	2272.2	2455.1	2635.7	2811.9	2980.6
55°	1320.1	1489.9	1671.5	1882.8	2102.8	2335.7	2548.7	2752.9	2951.9	3165.7	3368.9
52.5°	1434.0	1623.7	1851.0	2087.5	2341.7	2591.6	2825.6	3058.2	3298.8	3540.7	3805.2
50°	1544.0	1780.5	2029.6	2304.6	2579.2	2847.0	3115.3	3383.2	3671.4	3968.1	4267.8
47.5°	1672.5	1930.5	2224.8	2519.7	2819.8	3117.8	3416.7	3740.5	4067.9	4412.0	4743.6
45°	1802.5	2092.6	2409.6	2743.2	3067.6	3397.5	3747.2	4105.1	4489.0	4867.5	5266.3
42.5°	1925.7	2253.7	2603.1	2963.3	3324.2	3692.9	4077.3	4495.5	4915.0	5351.5	5789.8
40°	2062.2	2406.9	2792.1	3188.9	3580.5	3989.2	4428.6	4881.5	5356.1	5836.1	6312.0
37.5°	2193.4	2572.3	2977.3	3404.3	3843.9	4293.0	4770.1	5284.1	5798.9	6315.3	6840.3
35°	2316.3	2729.2	3167.8	3621.2	4087.4	4598.2	5131.5	5680.2	6238.0	6796.6	7361.2
32.5°	2442.7	2877.1	3349.9	3835.1	4348.8	4896.6	5480.8	6075.3	6669.4	7265.9	7883.9
30°	2569.5	3032.2	3526.2	4037.4	4599.3	5196.1	5824.0	6453.7	7082.2	7738.5	8397.2
27.5°	2689.2	3179.4	3699.5	4246.5	4839.3	5473.5	6140.3	6814.9	7492.5	8190.3	8892.9
25°	2799.5	3318.8	3860.3	4447.7	5076.0	5740.4	6435.1	7139.0	7882.1	8628.9	9362.5
22.5°	2907.0	3446.8	4009.3	4633.1	5290.5	5988.2	6711.6	7454.9	8231.5	9033.4	9792.6
20°	3010.4	3568.8	4154.3	4801.1	5482.5	6211.4	6963.0	7741.3	8556.0	9379.4	10196.0
17.5°	3102.3	3677.1	4289.2	4958.1	5665.9	6415.4	7189.4	7993.4	8844.3	9697.8	10563.1
15°	3182.3	3771.5	4406.1	5095.1	5828.0	6600.8	7399.6	8226.4	9099.3	9988.0	10887.6
12.5°	3249.9	3851.4	4504.5	5211.6	5965.5	6759.8	7580.2	8436.1	9332.5	10246.1	11171.8
10°	3304.9	3916.5	4584.1	5306.8	6077.8	6891.3	7728.9	8608.9	9532.2	10465.7	11410.8
7.5°	3351.6	3970.8	4647.3	5380.3	6164.3	6994.2	7844.7	8743.8	9691.2	10636.9	11602.8
5°	3385.7	4014.7	4705.3	5441.8	6239.6	7074.6	7932.5	8839.8	9807.6	10758.9	11742.0
2.5°	3406.2	4043.3	4744.7	5481.7	6298.7	7134.8	8010.4	8924.7	9892.9	10855.7	11846.7
0°	3413.0	4056.1	4765.0	5498.8	6331.4	7164.0	8054.4	8969.5	9934.0	10915.1	11912.6
-2.5°	3406.2	4043.3	4744.7	5481.7	6298.7	7134.8	8010.4	8924.7	9892.9	10855.7	11846.7
-5°	3385.7	4014.7	4705.3	5441.8	6239.6	7074.6	7932.5	8839.8	9807.6	10758.9	11742.0
-7.5°	3351.6	3970.8	4647.3	5380.3	6164.3	6994.2	7844.7	8743.8	9691.2	10636.9	11602.8
-10°	3304.9	3916.5	4584.1	5306.8	6077.8	6891.3	7728.9	8608.9	9532.2	10465.7	11410.8
-12.5°	3249.9	3851.4	4504.5	5211.6	5965.5	6759.8	7580.2	8436.1	9332.5	10246.1	11171.8
-15°	3182.3	3771.5	4406.1	5095.1	5828.0	6600.8	7399.6	8226.4	9099.3	9988.0	10887.6
-17.5°	3102.3	3677.1	4289.2	4958.1	5665.9	6415.4	7189.4	7993.4	8844.3	9697.8	10563.1
-20°	3010.4	3568.8	4154.3	4801.1	5482.5	6211.4	6963.0	7741.3	8556.0	9379.4	10196.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2907.0	3446.8	4009.3	4633.1	5290.5	5988.2	6711.6	7454.9	8231.5	9033.4	9792.6
-25°	2799.5	3318.8	3860.3	4447.7	5076.0	5740.4	6435.1	7139.0	7882.1	8628.9	9362.5
-27.5°	2689.2	3179.4	3699.5	4246.5	4839.3	5473.5	6140.3	6814.9	7492.5	8190.3	8892.9
-30°	2569.5	3032.2	3526.2	4037.4	4599.3	5196.1	5824.0	6453.7	7082.2	7738.5	8397.2
-32.5°	2442.7	2877.1	3349.9	3835.1	4348.8	4896.6	5480.8	6075.3	6669.4	7265.9	7883.9
-35°	2316.3	2729.2	3167.8	3621.2	4087.4	4598.2	5131.5	5680.2	6238.0	6796.6	7361.2
-37.5°	2193.4	2572.3	2977.3	3404.3	3843.9	4293.0	4770.1	5284.1	5798.9	6315.3	6840.3
-40°	2062.2	2406.9	2792.1	3188.9	3580.5	3989.2	4428.6	4881.5	5356.1	5836.1	6312.0
-42.5°	1925.7	2253.7	2603.1	2963.3	3324.2	3692.9	4077.3	4495.5	4915.0	5351.5	5789.8
-45°	1802.5	2092.6	2409.6	2743.2	3067.6	3397.5	3747.2	4105.1	4489.0	4867.5	5266.3
-47.5°	1672.5	1930.5	2224.8	2519.7	2819.8	3117.8	3416.7	3740.5	4067.9	4412.0	4743.6
-50°	1544.0	1780.5	2029.6	2304.6	2579.2	2847.0	3115.3	3383.2	3671.4	3968.1	4267.8
-52.5°	1434.0	1623.7	1851.0	2087.5	2341.7	2591.6	2825.6	3058.2	3298.8	3540.7	3805.2
-55°	1320.1	1489.9	1671.5	1882.8	2102.8	2335.7	2548.7	2752.9	2951.9	3165.7	3368.9
-57.5°	1216.6	1357.5	1510.1	1682.3	1877.5	2074.4	2272.2	2455.1	2635.7	2811.9	2980.6
-60°	1118.6	1230.7	1357.9	1501.3	1655.7	1831.0	1999.2	2169.3	2328.9	2473.4	2622.6
-62.5°	1018.1	1110.5	1211.1	1328.1	1460.4	1592.3	1740.0	1889.6	2035.1	2162.7	2280.7
-65°	908.9	985.8	1068.6	1162.5	1266.2	1377.6	1493.4	1612.8	1742.1	1850.5	1949.2
-67.5°	794.7	860.3	926.4	995.6	1079.5	1167.2	1254.0	1353.6	1455.5	1545.7	1626.4
-70°	663.1	731.1	787.3	842.1	898.2	963.7	1037.1	1109.3	1183.7	1264.9	1343.1
-72.5°	528.6	590.5	644.1	689.7	730.8	774.6	823.5	877.0	943.7	1017.3	1084.4
-75°	402.7	451.2	499.3	541.2	570.6	592.3	612.6	645.2	708.3	782.1	846.2
-77.5°	283.4	327.5	365.9	398.6	416.2	431.8	444.4	454.1	502.4	565.5	628.2
-80°	178.6	204.8	239.6	270.5	283.8	290.8	293.9	293.4	330.9	380.9	433.5
-82.5°	100.3	121.0	140.7	159.5	164.3	164.4	162.8	163.3	193.0	227.0	261.8
-85°	32.3	37.0	51.4	65.2	71.9	76.1	77.9	77.6	90.3	104.9	120.8
-87.5°	16.2	18.5	21.0	23.6	23.8	23.9	23.7	23.3	24.3	25.3	26.2
-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: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-U-VWR-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°	27.0	27.8	28.6	29.3	29.9	30.5	31.0	31.5	31.9	30.2	28.4
85°	137.8	147.5	156.6	165.3	173.5	181.4	188.7	195.6	201.9	184.4	165.1
82.5°	297.4	321.2	343.9	366.5	388.9	394.6	396.3	395.5	392.4	361.7	327.6
80°	485.4	525.8	564.0	601.8	639.0	643.2	639.0	631.3	620.4	580.1	534.4
77.5°	690.7	741.6	786.1	826.9	864.1	871.0	870.0	868.2	865.1	824.0	774.2
75°	901.1	950.9	998.9	1039.7	1073.8	1089.4	1097.1	1102.5	1105.5	1075.9	1037.2
72.5°	1145.1	1196.9	1239.2	1278.9	1312.4	1336.7	1354.1	1367.3	1376.2	1367.2	1351.4
70°	1409.8	1465.4	1512.1	1556.9	1602.4	1638.8	1666.3	1686.3	1698.9	1707.2	1713.1
67.5°	1707.9	1782.5	1847.5	1903.1	1958.1	2009.6	2051.9	2086.6	2113.3	2136.0	2153.5
65°	2043.8	2139.1	2223.5	2301.1	2372.2	2447.0	2508.4	2559.9	2601.3	2635.6	2663.1
62.5°	2396.8	2513.6	2622.1	2727.4	2830.5	2932.1	3010.1	3081.0	3144.2	3198.4	3241.6
60°	2763.7	2896.5	3042.1	3181.0	3308.9	3425.8	3541.8	3642.3	3728.3	3799.6	3857.1
57.5°	3158.2	3330.0	3500.2	3672.8	3835.8	3988.5	4131.3	4257.3	4363.8	4451.1	4524.5
55°	3584.2	3799.2	3996.5	4214.2	4424.5	4616.1	4784.7	4932.9	5061.0	5168.4	5259.5
52.5°	4052.5	4313.7	4570.1	4817.8	5056.7	5278.8	5480.7	5653.3	5806.8	5938.4	6043.4
50°	4565.1	4863.9	5161.1	5436.7	5711.1	5967.2	6198.6	6398.8	6577.4	6732.1	6853.8
47.5°	5101.2	5441.3	5773.2	6088.7	6392.3	6676.9	6927.5	7155.8	7378.4	7560.1	7703.7
45°	5657.8	6039.4	6405.5	6766.2	7100.6	7419.5	7728.7	8012.9	8241.4	8441.5	8609.6
42.5°	6221.2	6646.9	7056.8	7450.3	7818.0	8186.9	8534.6	8845.3	9105.9	9333.5	9524.4
40°	6791.9	7257.9	7709.6	8138.6	8559.0	8961.1	9337.3	9665.0	9958.9	10229.2	10454.3
37.5°	7359.8	7872.4	8372.8	8853.4	9316.3	9752.0	10158.4	10528.7	10860.4	11168.2	11418.2
35°	7930.1	8492.6	9040.4	9569.2	10074.9	10555.6	11000.6	11421.9	11812.9	12124.6	12380.4
32.5°	8498.2	9103.0	9699.2	10281.4	10834.8	11353.1	11835.2	12300.8	12702.9	13045.6	13339.6
30°	9048.0	9703.2	10352.4	10983.6	11581.4	12143.1	12676.9	13169.2	13601.7	13976.5	14306.2
27.5°	9587.5	10291.4	10988.0	11662.3	12308.6	12918.9	13501.5	14035.4	14507.4	14914.7	15262.4
25°	10097.4	10854.0	11596.4	12311.4	13001.8	13675.1	14304.1	14886.7	15390.8	15838.0	16195.3
22.5°	10584.6	11391.4	12171.5	12923.7	13662.2	14387.8	15076.5	15684.9	16219.1	16686.6	17082.0
20°	11038.5	11903.0	12701.1	13496.6	14274.5	15049.4	15788.7	16430.6	16995.9	17493.6	17929.5
17.5°	11462.7	12349.5	13189.9	14036.8	14856.7	15669.5	16420.7	17108.7	17718.6	18247.0	18703.5
15°	11821.9	12717.4	13635.2	14539.5	15404.1	16227.1	16977.7	17696.2	18373.4	18944.9	19407.8
12.5°	12112.7	13044.0	14001.5	14961.5	15875.8	16697.8	17483.5	18212.5	18923.7	19565.7	19991.2
10°	12360.5	13319.5	14308.0	15287.0	16213.6	17083.3	17937.5	18708.2	19407.2	19982.1	20457.3
7.5°	12574.8	13562.6	14566.6	15547.2	16470.6	17369.3	18248.7	19067.3	19772.9	20314.4	20738.3
5°	12732.8	13744.1	14767.5	15757.1	16693.5	17595.0	18478.4	19286.7	19975.5	20526.5	20988.8
2.5°	12845.9	13866.6	14897.4	15888.4	16845.6	17749.4	18654.8	19472.2	20139.2	20644.1	21086.7
0°	12918.4	13940.6	14979.4	15993.4	16933.2	17807.1	18779.8	19546.5	20239.0	20741.9	21203.6
-2.5°	12845.9	13866.6	14897.4	15888.4	16845.6	17749.4	18654.8	19472.2	20139.2	20644.1	21086.7
-5°	12732.8	13744.1	14767.5	15757.1	16693.5	17595.0	18478.4	19286.7	19975.5	20526.5	20988.8
-7.5°	12574.8	13562.6	14566.6	15547.2	16470.6	17369.3	18248.7	19067.3	19772.9	20314.4	20738.3
-10°	12360.5	13319.5	14308.0	15287.0	16213.6	17083.3	17937.5	18708.2	19407.2	19982.1	20457.3
-12.5°	12112.7	13044.0	14001.5	14961.5	15875.8	16697.8	17483.5	18212.5	18923.7	19565.7	19991.2
-15°	11821.9	12717.4	13635.2	14539.5	15404.1	16227.1	16977.7	17696.2	18373.4	18944.9	19407.8
-17.5°	11462.7	12349.5	13189.9	14036.8	14856.7	15669.5	16420.7	17108.7	17718.6	18247.0	18703.5
-20°	11038.5	11903.0	12701.1	13496.6	14274.5	15049.4	15788.7	16430.6	16995.9	17493.6	17929.5



REPORT NUMBER: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10584.6	11391.4	12171.5	12923.7	13662.2	14387.8	15076.5	15684.9	16219.1	16686.6	17082.0
-25°	10097.4	10854.0	11596.4	12311.4	13001.8	13675.1	14304.1	14886.7	15390.8	15838.0	16195.3
-27.5°	9587.5	10291.4	10988.0	11662.3	12308.6	12918.9	13501.5	14035.4	14507.4	14914.7	15262.4
-30°	9048.0	9703.2	10352.4	10983.6	11581.4	12143.1	12676.9	13169.2	13601.7	13976.5	14306.2
-32.5°	8498.2	9103.0	9699.2	10281.4	10834.8	11353.1	11835.2	12300.8	12702.9	13045.6	13339.6
-35°	7930.1	8492.6	9040.4	9569.2	10074.9	10555.6	11000.6	11421.9	11812.9	12124.6	12380.4
-37.5°	7359.8	7872.4	8372.8	8853.4	9316.3	9752.0	10158.4	10528.7	10860.4	11168.2	11418.2
-40°	6791.9	7257.9	7709.6	8138.6	8559.0	8961.1	9337.3	9665.0	9958.9	10229.2	10454.3
-42.5°	6221.2	6646.9	7056.8	7450.3	7818.0	8186.9	8534.6	8845.3	9105.9	9333.5	9524.4
-45°	5657.8	6039.4	6405.5	6766.2	7100.6	7419.5	7728.7	8012.9	8241.4	8441.5	8609.6
-47.5°	5101.2	5441.3	5773.2	6088.7	6392.3	6676.9	6927.5	7155.8	7378.4	7560.1	7703.7
-50°	4565.1	4863.9	5161.1	5436.7	5711.1	5967.2	6198.6	6398.8	6577.4	6732.1	6853.8
-52.5°	4052.5	4313.7	4570.1	4817.8	5056.7	5278.8	5480.7	5653.3	5806.8	5938.4	6043.4
-55°	3584.2	3799.2	3996.5	4214.2	4424.5	4616.1	4784.7	4932.9	5061.0	5168.4	5259.5
-57.5°	3158.2	3330.0	3500.2	3672.8	3835.8	3988.5	4131.3	4257.3	4363.8	4451.1	4524.5
-60°	2763.7	2896.5	3042.1	3181.0	3308.9	3425.8	3541.8	3642.3	3728.3	3799.6	3857.1
-62.5°	2396.8	2513.6	2622.1	2727.4	2830.5	2932.1	3010.1	3081.0	3144.2	3198.4	3241.6
-65°	2043.8	2139.1	2223.5	2301.1	2372.2	2447.0	2508.4	2559.9	2601.3	2635.6	2663.1
-67.5°	1707.9	1782.5	1847.5	1903.1	1958.1	2009.6	2051.9	2086.6	2113.3	2136.0	2153.5
-70°	1409.8	1465.4	1512.1	1556.9	1602.4	1638.8	1666.3	1686.3	1698.9	1707.2	1713.1
-72.5°	1145.1	1196.9	1239.2	1278.9	1312.4	1336.7	1354.1	1367.3	1376.2	1367.2	1351.4
-75°	901.1	950.9	998.9	1039.7	1073.8	1089.4	1097.1	1102.5	1105.5	1075.9	1037.2
-77.5°	690.7	741.6	786.1	826.9	864.1	871.0	870.0	868.2	865.1	824.0	774.2
-80°	485.4	525.8	564.0	601.8	639.0	643.2	639.0	631.3	620.4	580.1	534.4
-82.5°	297.4	321.2	343.9	366.5	388.9	394.6	396.3	395.5	392.4	361.7	327.6
-85°	137.8	147.5	156.6	165.3	173.5	181.4	188.7	195.6	201.9	184.4	165.1
-87.5°	27.0	27.8	28.6	29.3	29.9	30.5	31.0	31.5	31.9	30.2	28.4
-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: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-VWR-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°	26.6	24.6	24.7	24.7	24.7	24.6	26.6	28.4	30.2	31.9	31.5
85°	144.6	123.1	115.3	107.2	115.3	123.1	144.6	165.1	184.4	201.9	195.6
82.5°	291.9	254.8	242.9	230.8	242.9	254.8	291.9	327.6	361.7	392.4	395.5
80°	486.2	435.8	416.0	395.7	416.0	435.8	486.2	534.4	580.1	620.4	631.3
77.5°	721.5	666.2	642.6	618.3	642.6	666.2	721.5	774.2	824.0	865.1	868.2
75°	996.4	953.0	926.8	898.6	926.8	953.0	996.4	1037.2	1075.9	1105.5	1102.5
72.5°	1333.3	1312.1	1293.0	1269.6	1293.0	1312.1	1333.3	1351.4	1367.2	1376.2	1367.3
70°	1715.0	1712.3	1715.8	1714.8	1715.8	1712.3	1715.0	1713.1	1707.2	1698.9	1686.3
67.5°	2162.5	2163.1	2172.3	2176.4	2172.3	2163.1	2162.5	2153.5	2136.0	2113.3	2086.6
65°	2680.0	2686.4	2684.0	2671.1	2684.0	2686.4	2680.0	2663.1	2635.6	2601.3	2559.9
62.5°	3272.3	3290.1	3299.9	3297.6	3299.9	3290.1	3272.3	3241.6	3198.4	3144.2	3081.0
60°	3900.1	3928.0	3942.0	3940.6	3942.0	3928.0	3900.1	3857.1	3799.6	3728.3	3642.3
57.5°	4579.2	4615.0	4623.3	4608.4	4623.3	4615.0	4579.2	4524.5	4451.1	4363.8	4257.3
55°	5328.3	5374.0	5391.7	5383.3	5391.7	5374.0	5328.3	5259.5	5168.4	5061.0	4932.9
52.5°	6120.4	6169.9	6187.4	6174.8	6187.4	6169.9	6120.4	6043.4	5938.4	5806.8	5653.3
50°	6943.1	7003.0	7027.2	7015.6	7027.2	7003.0	6943.1	6853.8	6732.1	6577.4	6398.8
47.5°	7816.3	7896.1	7927.1	7906.0	7927.1	7896.1	7816.3	7703.7	7560.1	7378.4	7155.8
45°	8735.2	8817.9	8849.9	8829.3	8849.9	8817.9	8735.2	8609.6	8441.5	8241.4	8012.9
42.5°	9670.5	9778.0	9823.4	9785.6	9823.4	9778.0	9670.5	9524.4	9333.5	9105.9	8845.3
40°	10622.3	10739.0	10792.8	10766.7	10792.8	10739.0	10622.3	10454.3	10229.2	9958.9	9665.0
37.5°	11598.6	11714.7	11771.7	11772.4	11771.7	11714.7	11598.6	11418.2	11168.2	10860.4	10528.7
35°	12578.5	12719.0	12798.5	12794.7	12798.5	12719.0	12578.5	12380.4	12124.6	11812.9	11421.9
32.5°	13572.1	13724.2	13805.5	13817.0	13805.5	13724.2	13572.1	13339.6	13045.6	12702.9	12300.8
30°	14564.0	14731.3	14825.3	14863.9	14825.3	14731.3	14564.0	14306.2	13976.5	13601.7	13169.2
27.5°	15525.9	15731.8	15873.9	15886.2	15873.9	15731.8	15525.9	15262.4	14914.7	14507.4	14035.4
25°	16457.6	16667.2	16812.9	16842.5	16812.9	16667.2	16457.6	16195.3	15838.0	15390.8	14886.7
22.5°	17375.8	17594.9	17729.4	17782.3	17729.4	17594.9	17375.8	17082.0	16686.6	16219.1	15684.9
20°	18252.3	18489.7	18632.4	18689.2	18632.4	18489.7	18252.3	17929.5	17493.6	16995.9	16430.6
17.5°	19045.3	19296.2	19472.3	19521.8	19472.3	19296.2	19045.3	18703.5	18247.0	17718.6	17108.7
15°	19743.2	19981.2	20148.3	20214.3	20148.3	19981.2	19743.2	19407.8	18944.9	18373.4	17696.2
12.5°	20311.2	20524.1	20655.0	20717.2	20655.0	20524.1	20311.2	19991.2	19565.7	18923.7	18212.5
10°	20755.0	20968.5	21093.6	21178.8	21093.6	20968.5	20755.0	20457.3	19982.1	19407.2	18708.2
7.5°	21140.1	21358.9	21511.9	21632.3	21511.9	21358.9	21140.1	20738.3	20314.4	19772.9	19067.3
5°	21352.7	21718.1	21773.0	21854.9	21773.0	21718.1	21352.7	20988.8	20526.5	19975.5	19286.7
2.5°	21514.9	21774.0	21929.7	21912.6	21929.7	21774.0	21514.9	21086.7	20644.1	20139.2	19472.2
0°	21632.3	21863.1	21920.8	21995.0	21920.8	21863.1	21632.3	21203.6	20741.9	20239.0	19546.5
-2.5°	21514.9	21774.0	21929.7	21912.6	21929.7	21774.0	21514.9	21086.7	20644.1	20139.2	19472.2
-5°	21352.7	21718.1	21773.0	21854.9	21773.0	21718.1	21352.7	20988.8	20526.5	19975.5	19286.7
-7.5°	21140.1	21358.9	21511.9	21632.3	21511.9	21358.9	21140.1	20738.3	20314.4	19772.9	19067.3
-10°	20755.0	20968.5	21093.6	21178.8	21093.6	20968.5	20755.0	20457.3	19982.1	19407.2	18708.2
-12.5°	20311.2	20524.1	20655.0	20717.2	20655.0	20524.1	20311.2	19991.2	19565.7	18923.7	18212.5
-15°	19743.2	19981.2	20148.3	20214.3	20148.3	19981.2	19743.2	19407.8	18944.9	18373.4	17696.2
-17.5°	19045.3	19296.2	19472.3	19521.8	19472.3	19296.2	19045.3	18703.5	18247.0	17718.6	17108.7
-20°	18252.3	18489.7	18632.4	18689.2	18632.4	18489.7	18252.3	17929.5	17493.6	16995.9	16430.6



REPORT NUMBER: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17375.8	17594.9	17729.4	17782.3	17729.4	17594.9	17375.8	17082.0	16686.6	16219.1	15684.9
-25°	16457.6	16667.2	16812.9	16842.5	16812.9	16667.2	16457.6	16195.3	15838.0	15390.8	14886.7
-27.5°	15525.9	15731.8	15873.9	15886.2	15873.9	15731.8	15525.9	15262.4	14914.7	14507.4	14035.4
-30°	14564.0	14731.3	14825.3	14863.9	14825.3	14731.3	14564.0	14306.2	13976.5	13601.7	13169.2
-32.5°	13572.1	13724.2	13805.5	13817.0	13805.5	13724.2	13572.1	13339.6	13045.6	12702.9	12300.8
-35°	12578.5	12719.0	12798.5	12794.7	12798.5	12719.0	12578.5	12380.4	12124.6	11812.9	11421.9
-37.5°	11598.6	11714.7	11771.7	11772.4	11771.7	11714.7	11598.6	11418.2	11168.2	10860.4	10528.7
-40°	10622.3	10739.0	10792.8	10766.7	10792.8	10739.0	10622.3	10454.3	10229.2	9958.9	9665.0
-42.5°	9670.5	9778.0	9823.4	9785.6	9823.4	9778.0	9670.5	9524.4	9333.5	9105.9	8845.3
-45°	8735.2	8817.9	8849.9	8829.3	8849.9	8817.9	8735.2	8609.6	8441.5	8241.4	8012.9
-47.5°	7816.3	7896.1	7927.1	7906.0	7927.1	7896.1	7816.3	7703.7	7560.1	7378.4	7155.8
-50°	6943.1	7003.0	7027.2	7015.6	7027.2	7003.0	6943.1	6853.8	6732.1	6577.4	6398.8
-52.5°	6120.4	6169.9	6187.4	6174.8	6187.4	6169.9	6120.4	6043.4	5938.4	5806.8	5653.3
-55°	5328.3	5374.0	5391.7	5383.3	5391.7	5374.0	5328.3	5259.5	5168.4	5061.0	4932.9
-57.5°	4579.2	4615.0	4623.3	4608.4	4623.3	4615.0	4579.2	4524.5	4451.1	4363.8	4257.3
-60°	3900.1	3928.0	3942.0	3940.6	3942.0	3928.0	3900.1	3857.1	3799.6	3728.3	3642.3
-62.5°	3272.3	3290.1	3299.9	3297.6	3299.9	3290.1	3272.3	3241.6	3198.4	3144.2	3081.0
-65°	2680.0	2686.4	2684.0	2671.1	2684.0	2686.4	2680.0	2663.1	2635.6	2601.3	2559.9
-67.5°	2162.5	2163.1	2172.3	2176.4	2172.3	2163.1	2162.5	2153.5	2136.0	2113.3	2086.6
-70°	1715.0	1712.3	1715.8	1714.8	1715.8	1712.3	1715.0	1713.1	1707.2	1698.9	1686.3
-72.5°	1333.3	1312.1	1293.0	1269.6	1293.0	1312.1	1333.3	1351.4	1367.2	1376.2	1367.3
-75°	996.4	953.0	926.8	898.6	926.8	953.0	996.4	1037.2	1075.9	1105.5	1102.5
-77.5°	721.5	666.2	642.6	618.3	642.6	666.2	721.5	774.2	824.0	865.1	868.2
-80°	486.2	435.8	416.0	395.7	416.0	435.8	486.2	534.4	580.1	620.4	631.3
-82.5°	291.9	254.8	242.9	230.8	242.9	254.8	291.9	327.6	361.7	392.4	395.5
-85°	144.6	123.1	115.3	107.2	115.3	123.1	144.6	165.1	184.4	201.9	195.6
-87.5°	26.6	24.6	24.7	24.7	24.7	24.6	26.6	28.4	30.2	31.9	31.5
-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: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-U-VWR-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°	31.0	30.5	29.9	29.3	28.6	27.8	27.0	26.2	25.3	24.3	23.3
85°	188.7	181.4	173.5	165.3	156.6	147.5	137.8	120.8	104.9	90.3	77.6
82.5°	396.3	394.6	388.9	366.5	343.9	321.2	297.4	261.8	227.0	193.0	163.3
80°	639.0	643.2	639.0	601.8	564.0	525.8	485.4	433.5	380.9	330.9	293.4
77.5°	870.0	871.0	864.1	826.9	786.1	741.6	690.7	628.2	565.5	502.4	454.1
75°	1097.1	1089.4	1073.8	1039.7	998.9	950.9	901.1	846.2	782.1	708.3	645.2
72.5°	1354.1	1336.7	1312.4	1278.9	1239.2	1196.9	1145.1	1084.4	1017.3	943.7	877.0
70°	1666.3	1638.8	1602.4	1556.9	1512.1	1465.4	1409.8	1343.1	1264.9	1183.7	1109.3
67.5°	2051.9	2009.6	1958.1	1903.1	1847.5	1782.5	1707.9	1626.4	1545.7	1455.5	1353.6
65°	2508.4	2447.0	2372.2	2301.1	2223.5	2139.1	2043.8	1949.2	1850.5	1742.1	1612.8
62.5°	3010.1	2932.1	2830.5	2727.4	2622.1	2513.6	2396.8	2280.7	2162.7	2035.1	1889.6
60°	3541.8	3425.8	3308.9	3181.0	3042.1	2896.5	2763.7	2622.6	2473.4	2328.9	2169.3
57.5°	4131.3	3988.5	3835.8	3672.8	3500.2	3330.0	3158.2	2980.6	2811.9	2635.7	2455.1
55°	4784.7	4616.1	4424.5	4214.2	3996.5	3799.2	3584.2	3368.9	3165.7	2951.9	2752.9
52.5°	5480.7	5278.8	5056.7	4817.8	4570.1	4313.7	4052.5	3805.2	3540.7	3298.8	3058.2
50°	6198.6	5967.2	5711.1	5436.7	5161.1	4863.9	4565.1	4267.8	3968.1	3671.4	3383.2
47.5°	6927.5	6676.9	6392.3	6088.7	5773.2	5441.3	5101.2	4743.6	4412.0	4067.9	3740.5
45°	7728.7	7419.5	7100.6	6766.2	6405.5	6039.4	5657.8	5266.3	4867.5	4489.0	4105.1
42.5°	8534.6	8186.9	7818.0	7450.3	7056.8	6646.9	6221.2	5789.8	5351.5	4915.0	4495.5
40°	9337.3	8961.1	8559.0	8138.6	7709.6	7257.9	6791.9	6312.0	5836.1	5356.1	4881.5
37.5°	10158.4	9752.0	9316.3	8853.4	8372.8	7872.4	7359.8	6840.3	6315.3	5798.9	5284.1
35°	11000.6	10555.6	10074.9	9569.2	9040.4	8492.6	7930.1	7361.2	6796.6	6238.0	5680.2
32.5°	11835.2	11353.1	10834.8	10281.4	9699.2	9103.0	8498.2	7883.9	7265.9	6669.4	6075.3
30°	12676.9	12143.1	11581.4	10983.6	10352.4	9703.2	9048.0	8397.2	7738.5	7082.2	6453.7
27.5°	13501.5	12918.9	12308.6	11662.3	10988.0	10291.4	9587.5	8892.9	8190.3	7492.5	6814.9
25°	14304.1	13675.1	13001.8	12311.4	11596.4	10854.0	10097.4	9362.5	8628.9	7882.1	7139.0
22.5°	15076.5	14387.8	13662.2	12923.7	12171.5	11391.4	10584.6	9792.6	9033.4	8231.5	7454.9
20°	15788.7	15049.4	14274.5	13496.6	12701.1	11903.0	11038.5	10196.0	9379.4	8556.0	7741.3
17.5°	16420.7	15669.5	14856.7	14036.8	13189.9	12349.5	11462.7	10563.1	9697.8	8844.3	7993.4
15°	16977.7	16227.1	15404.1	14539.5	13635.2	12717.4	11821.9	10887.6	9988.0	9099.3	8226.4
12.5°	17483.5	16697.8	15875.8	14961.5	14001.5	13044.0	12112.7	11171.8	10246.1	9332.5	8436.1
10°	17937.5	17083.3	16213.6	15287.0	14308.0	13319.5	12360.5	11410.8	10465.7	9532.2	8608.9
7.5°	18248.7	17369.3	16470.6	15547.2	14566.6	13562.6	12574.8	11602.8	10636.9	9691.2	8743.8
5°	18478.4	17595.0	16693.5	15757.1	14767.5	13744.1	12732.8	11742.0	10758.9	9807.6	8839.8
2.5°	18654.8	17749.4	16845.6	15888.4	14897.4	13866.6	12845.9	11846.7	10855.7	9892.9	8924.7
0°	18779.8	17807.1	16933.2	15993.4	14979.4	13940.6	12918.4	11912.6	10915.1	9934.0	8969.5
-2.5°	18654.8	17749.4	16845.6	15888.4	14897.4	13866.6	12845.9	11846.7	10855.7	9892.9	8924.7
-5°	18478.4	17595.0	16693.5	15757.1	14767.5	13744.1	12732.8	11742.0	10758.9	9807.6	8839.8
-7.5°	18248.7	17369.3	16470.6	15547.2	14566.6	13562.6	12574.8	11602.8	10636.9	9691.2	8743.8
-10°	17937.5	17083.3	16213.6	15287.0	14308.0	13319.5	12360.5	11410.8	10465.7	9532.2	8608.9
-12.5°	17483.5	16697.8	15875.8	14961.5	14001.5	13044.0	12112.7	11171.8	10246.1	9332.5	8436.1
-15°	16977.7	16227.1	15404.1	14539.5	13635.2	12717.4	11821.9	10887.6	9988.0	9099.3	8226.4
-17.5°	16420.7	15669.5	14856.7	14036.8	13189.9	12349.5	11462.7	10563.1	9697.8	8844.3	7993.4
-20°	15788.7	15049.4	14274.5	13496.6	12701.1	11903.0	11038.5	10196.0	9379.4	8556.0	7741.3



REPORT NUMBER: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15076.5	14387.8	13662.2	12923.7	12171.5	11391.4	10584.6	9792.6	9033.4	8231.5	7454.9
-25°	14304.1	13675.1	13001.8	12311.4	11596.4	10854.0	10097.4	9362.5	8628.9	7882.1	7139.0
-27.5°	13501.5	12918.9	12308.6	11662.3	10988.0	10291.4	9587.5	8892.9	8190.3	7492.5	6814.9
-30°	12676.9	12143.1	11581.4	10983.6	10352.4	9703.2	9048.0	8397.2	7738.5	7082.2	6453.7
-32.5°	11835.2	11353.1	10834.8	10281.4	9699.2	9103.0	8498.2	7883.9	7265.9	6669.4	6075.3
-35°	11000.6	10555.6	10074.9	9569.2	9040.4	8492.6	7930.1	7361.2	6796.6	6238.0	5680.2
-37.5°	10158.4	9752.0	9316.3	8853.4	8372.8	7872.4	7359.8	6840.3	6315.3	5798.9	5284.1
-40°	9337.3	8961.1	8559.0	8138.6	7709.6	7257.9	6791.9	6312.0	5836.1	5356.1	4881.5
-42.5°	8534.6	8186.9	7818.0	7450.3	7056.8	6646.9	6221.2	5789.8	5351.5	4915.0	4495.5
-45°	7728.7	7419.5	7100.6	6766.2	6405.5	6039.4	5657.8	5266.3	4867.5	4489.0	4105.1
-47.5°	6927.5	6676.9	6392.3	6088.7	5773.2	5441.3	5101.2	4743.6	4412.0	4067.9	3740.5
-50°	6198.6	5967.2	5711.1	5436.7	5161.1	4863.9	4565.1	4267.8	3968.1	3671.4	3383.2
-52.5°	5480.7	5278.8	5056.7	4817.8	4570.1	4313.7	4052.5	3805.2	3540.7	3298.8	3058.2
-55°	4784.7	4616.1	4424.5	4214.2	3996.5	3799.2	3584.2	3368.9	3165.7	2951.9	2752.9
-57.5°	4131.3	3988.5	3835.8	3672.8	3500.2	3330.0	3158.2	2980.6	2811.9	2635.7	2455.1
-60°	3541.8	3425.8	3308.9	3181.0	3042.1	2896.5	2763.7	2622.6	2473.4	2328.9	2169.3
-62.5°	3010.1	2932.1	2830.5	2727.4	2622.1	2513.6	2396.8	2280.7	2162.7	2035.1	1889.6
-65°	2508.4	2447.0	2372.2	2301.1	2223.5	2139.1	2043.8	1949.2	1850.5	1742.1	1612.8
-67.5°	2051.9	2009.6	1958.1	1903.1	1847.5	1782.5	1707.9	1626.4	1545.7	1455.5	1353.6
-70°	1666.3	1638.8	1602.4	1556.9	1512.1	1465.4	1409.8	1343.1	1264.9	1183.7	1109.3
-72.5°	1354.1	1336.7	1312.4	1278.9	1239.2	1196.9	1145.1	1084.4	1017.3	943.7	877.0
-75°	1097.1	1089.4	1073.8	1039.7	998.9	950.9	901.1	846.2	782.1	708.3	645.2
-77.5°	870.0	871.0	864.1	826.9	786.1	741.6	690.7	628.2	565.5	502.4	454.1
-80°	639.0	643.2	639.0	601.8	564.0	525.8	485.4	433.5	380.9	330.9	293.4
-82.5°	396.3	394.6	388.9	366.5	343.9	321.2	297.4	261.8	227.0	193.0	163.3
-85°	188.7	181.4	173.5	165.3	156.6	147.5	137.8	120.8	104.9	90.3	77.6
-87.5°	31.0	30.5	29.9	29.3	28.6	27.8	27.0	26.2	25.3	24.3	23.3
-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: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-VWR-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°	23.7	23.9	23.8	23.6	21.0	18.5	16.2	13.9	12.6	11.3	9.9
85°	77.9	76.1	71.9	65.2	51.4	37.0	32.3	27.9	25.2	22.5	19.8
82.5°	162.8	164.4	164.3	159.5	140.7	121.0	100.3	78.9	58.5	37.2	29.7
80°	293.9	290.8	283.8	270.5	239.6	204.8	178.6	151.5	124.9	97.2	68.4
77.5°	444.4	431.8	416.2	398.6	365.9	327.5	283.4	233.3	191.1	157.0	121.5
75°	612.6	592.3	570.6	541.2	499.3	451.2	402.7	344.4	279.6	218.5	174.2
72.5°	823.5	774.6	730.8	689.7	644.1	590.5	528.6	453.5	374.8	300.5	230.8
70°	1037.1	963.7	898.2	842.1	787.3	731.1	663.1	570.6	468.3	380.8	298.7
67.5°	1254.0	1167.2	1079.5	995.6	926.4	860.3	794.7	687.0	569.8	459.3	365.1
65°	1493.4	1377.6	1266.2	1162.5	1068.6	985.8	908.9	796.0	668.3	544.0	429.6
62.5°	1740.0	1592.3	1460.4	1328.1	1211.1	1110.5	1018.1	893.5	762.4	626.0	497.1
60°	1999.2	1831.0	1655.7	1501.3	1357.9	1230.7	1118.6	989.7	850.5	704.8	564.0
57.5°	2272.2	2074.4	1877.5	1682.3	1510.1	1357.5	1216.6	1080.9	937.1	782.6	626.3
55°	2548.7	2335.7	2102.8	1882.8	1671.5	1489.9	1320.1	1168.4	1020.7	859.1	680.2
52.5°	2825.6	2591.6	2341.7	2087.5	1851.0	1623.7	1434.0	1253.6	1097.7	933.8	736.2
50°	3115.3	2847.0	2579.2	2304.6	2029.6	1780.5	1544.0	1351.4	1172.4	1004.8	789.4
47.5°	3416.7	3117.8	2819.8	2519.7	2224.8	1930.5	1672.5	1447.1	1244.7	1069.0	838.9
45°	3747.2	3397.5	3067.6	2743.2	2409.6	2092.6	1802.5	1538.7	1326.5	1119.0	884.5
42.5°	4077.3	3692.9	3324.2	2963.3	2603.1	2253.7	1925.7	1646.5	1404.8	1166.9	926.5
40°	4428.6	3989.2	3580.5	3188.9	2792.1	2406.9	2062.2	1751.6	1478.2	1216.6	966.2
37.5°	4770.1	4293.0	3843.9	3404.3	2977.3	2572.3	2193.4	1850.2	1547.8	1272.4	1003.8
35°	5131.5	4598.2	4087.4	3621.2	3167.8	2729.2	2316.3	1949.5	1627.9	1326.8	1039.3
32.5°	5480.8	4896.6	4348.8	3835.1	3349.9	2877.1	2442.7	2054.6	1704.9	1379.6	1072.5
30°	5824.0	5196.1	4599.3	4037.4	3526.2	3032.2	2569.5	2152.9	1778.5	1430.6	1105.7
27.5°	6140.3	5473.5	4839.3	4246.5	3699.5	3179.4	2689.2	2244.1	1848.4	1483.0	1144.3
25°	6435.1	5740.4	5076.0	4447.7	3860.3	3318.8	2799.5	2328.5	1919.5	1537.7	1180.1
22.5°	6711.6	5988.2	5290.5	4633.1	4009.3	3446.8	2907.0	2418.3	1986.8	1588.0	1212.9
20°	6963.0	6211.4	5482.5	4801.1	4154.3	3568.8	3010.4	2498.9	2047.0	1633.7	1242.4
17.5°	7189.4	6415.4	5665.9	4958.1	4289.2	3677.1	3102.3	2569.9	2099.8	1674.4	1268.4
15°	7399.6	6600.8	5828.0	5095.1	4406.1	3771.5	3182.3	2631.2	2145.0	1709.8	1293.2
12.5°	7580.2	6759.8	5965.5	5211.6	4504.5	3851.4	3249.9	2682.4	2182.6	1741.8	1316.5
10°	7728.9	6891.3	6077.8	5306.8	4584.1	3916.5	3304.9	2725.7	2217.9	1769.4	1334.4
7.5°	7844.7	6994.2	6164.3	5380.3	4647.3	3970.8	3351.6	2763.0	2246.3	1790.7	1347.0
5°	7932.5	7074.6	6239.6	5441.8	4705.3	4014.7	3385.7	2789.8	2266.9	1805.3	1354.1
2.5°	8010.4	7134.8	6298.7	5481.7	4744.7	4043.3	3406.2	2805.8	2279.4	1813.1	1355.8
0°	8054.4	7164.0	6331.4	5498.8	4765.0	4056.1	3413.0	2811.2	2283.6	1813.7	1352.0
-2.5°	8010.4	7134.8	6298.7	5481.7	4744.7	4043.3	3406.2	2805.8	2279.4	1813.1	1355.8
-5°	7932.5	7074.6	6239.6	5441.8	4705.3	4014.7	3385.7	2789.8	2266.9	1805.3	1354.1
-7.5°	7844.7	6994.2	6164.3	5380.3	4647.3	3970.8	3351.6	2763.0	2246.3	1790.7	1347.0
-10°	7728.9	6891.3	6077.8	5306.8	4584.1	3916.5	3304.9	2725.7	2217.9	1769.4	1334.4
-12.5°	7580.2	6759.8	5965.5	5211.6	4504.5	3851.4	3249.9	2682.4	2182.6	1741.8	1316.5
-15°	7399.6	6600.8	5828.0	5095.1	4406.1	3771.5	3182.3	2631.2	2145.0	1709.8	1293.2
-17.5°	7189.4	6415.4	5665.9	4958.1	4289.2	3677.1	3102.3	2569.9	2099.8	1674.4	1268.4
-20°	6963.0	6211.4	5482.5	4801.1	4154.3	3568.8	3010.4	2498.9	2047.0	1633.7	1242.4



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

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6711.6	5988.2	5290.5	4633.1	4009.3	3446.8	2907.0	2418.3	1986.8	1588.0	1212.9
-25°	6435.1	5740.4	5076.0	4447.7	3860.3	3318.8	2799.5	2328.5	1919.5	1537.7	1180.1
-27.5°	6140.3	5473.5	4839.3	4246.5	3699.5	3179.4	2689.2	2244.1	1848.4	1483.0	1144.3
-30°	5824.0	5196.1	4599.3	4037.4	3526.2	3032.2	2569.5	2152.9	1778.5	1430.6	1105.7
-32.5°	5480.8	4896.6	4348.8	3835.1	3349.9	2877.1	2442.7	2054.6	1704.9	1379.6	1072.5
-35°	5131.5	4598.2	4087.4	3621.2	3167.8	2729.2	2316.3	1949.5	1627.9	1326.8	1039.3
-37.5°	4770.1	4293.0	3843.9	3404.3	2977.3	2572.3	2193.4	1850.2	1547.8	1272.4	1003.8
-40°	4428.6	3989.2	3580.5	3188.9	2792.1	2406.9	2062.2	1751.6	1478.2	1216.6	966.2
-42.5°	4077.3	3692.9	3324.2	2963.3	2603.1	2253.7	1925.7	1646.5	1404.8	1166.9	926.5
-45°	3747.2	3397.5	3067.6	2743.2	2409.6	2092.6	1802.5	1538.7	1326.5	1119.0	884.5
-47.5°	3416.7	3117.8	2819.8	2519.7	2224.8	1930.5	1672.5	1447.1	1244.7	1069.0	838.9
-50°	3115.3	2847.0	2579.2	2304.6	2029.6	1780.5	1544.0	1351.4	1172.4	1004.8	789.4
-52.5°	2825.6	2591.6	2341.7	2087.5	1851.0	1623.7	1434.0	1253.6	1097.7	933.8	736.2
-55°	2548.7	2335.7	2102.8	1882.8	1671.5	1489.9	1320.1	1168.4	1020.7	859.1	680.2
-57.5°	2272.2	2074.4	1877.5	1682.3	1510.1	1357.5	1216.6	1080.9	937.1	782.6	626.3
-60°	1999.2	1831.0	1655.7	1501.3	1357.9	1230.7	1118.6	989.7	850.5	704.8	564.0
-62.5°	1740.0	1592.3	1460.4	1328.1	1211.1	1110.5	1018.1	893.5	762.4	626.0	497.1
-65°	1493.4	1377.6	1266.2	1162.5	1068.6	985.8	908.9	796.0	668.3	544.0	429.6
-67.5°	1254.0	1167.2	1079.5	995.6	926.4	860.3	794.7	687.0	569.8	459.3	365.1
-70°	1037.1	963.7	898.2	842.1	787.3	731.1	663.1	570.6	468.3	380.8	298.7
-72.5°	823.5	774.6	730.8	689.7	644.1	590.5	528.6	453.5	374.8	300.5	230.8
-75°	612.6	592.3	570.6	541.2	499.3	451.2	402.7	344.4	279.6	218.5	174.2
-77.5°	444.4	431.8	416.2	398.6	365.9	327.5	283.4	233.3	191.1	157.0	121.5
-80°	293.9	290.8	283.8	270.5	239.6	204.8	178.6	151.5	124.9	97.2	68.4
-82.5°	162.8	164.4	164.3	159.5	140.7	121.0	100.3	78.9	58.5	37.2	29.7
-85°	77.9	76.1	71.9	65.2	51.4	37.0	32.3	27.9	25.2	22.5	19.8
-87.5°	23.7	23.9	23.8	23.6	21.0	18.5	16.2	13.9	12.6	11.3	9.9
-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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CATALOG NUMBER: GFLD-SA5D-750-U-VWR-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°	8.5	7.1	5.7	4.3	2.9	1.3	0.0
85°	17.1	14.3	11.4	8.6	5.7	2.5	0.0
82.5°	25.6	21.4	17.1	12.9	8.6	3.8	0.0
80°	38.4	28.4	22.8	17.1	11.4	5.0	0.0
77.5°	83.7	44.6	28.4	21.4	14.2	6.2	0.0
75°	127.9	77.1	37.0	25.6	16.9	7.4	0.0
72.5°	170.7	108.7	59.0	29.7	19.6	8.6	0.0
70°	213.4	139.1	80.3	35.6	22.2	9.8	0.0
67.5°	264.8	168.3	100.7	48.7	24.7	10.9	0.0
65°	314.0	201.0	120.2	61.4	27.2	12.0	0.0
62.5°	360.6	236.8	138.7	73.4	29.6	13.1	0.0
60°	404.6	270.7	156.1	84.8	31.9	14.1	0.0
57.5°	450.9	302.5	179.3	95.6	38.3	15.1	0.0
55°	494.7	332.1	201.4	105.6	44.5	16.1	0.0
52.5°	535.3	360.2	221.9	114.8	50.6	17.0	0.0
50°	572.5	390.0	240.8	123.3	56.3	17.9	0.0
47.5°	607.3	417.2	258.0	132.1	61.8	18.8	0.0
45°	646.1	441.8	273.6	143.5	67.1	19.5	0.0
42.5°	681.6	463.6	287.3	153.9	72.0	20.3	0.0
40°	713.9	482.7	301.1	164.5	76.7	21.0	0.0
37.5°	742.8	499.0	314.8	175.0	81.0	21.6	0.0
35°	768.2	517.8	326.5	184.7	85.1	22.2	0.0
32.5°	791.8	536.7	336.3	193.7	88.8	22.7	0.0
30°	816.3	552.8	344.2	202.0	92.2	23.2	0.0
27.5°	838.3	566.1	356.0	209.4	95.3	23.6	0.0
25°	857.6	576.7	367.1	216.1	98.0	24.0	0.0
22.5°	874.2	587.3	376.8	222.0	100.5	24.3	0.0
20°	887.9	601.9	385.2	227.1	102.5	24.5	0.0
17.5°	905.0	613.9	392.2	231.4	104.3	24.7	0.0
15°	922.8	623.1	397.9	234.9	105.7	24.9	0.0
12.5°	937.3	629.8	402.2	237.5	106.8	25.0	0.0
10°	948.3	634.0	405.2	239.4	107.5	25.0	0.0
7.5°	955.8	635.6	406.9	240.5	107.9	25.0	0.0
5°	959.7	634.9	407.2	240.8	108.0	25.0	0.0
2.5°	959.9	631.8	406.3	240.3	107.8	24.9	0.0
0°	956.3	626.5	404.0	239.1	107.2	24.7	0.0
-2.5°	959.9	631.8	406.3	240.3	107.8	24.9	0.0
-5°	959.7	634.9	407.2	240.8	108.0	25.0	0.0
-7.5°	955.8	635.6	406.9	240.5	107.9	25.0	0.0
-10°	948.3	634.0	405.2	239.4	107.5	25.0	0.0
-12.5°	937.3	629.8	402.2	237.5	106.8	25.0	0.0
-15°	922.8	623.1	397.9	234.9	105.7	24.9	0.0
-17.5°	905.0	613.9	392.2	231.4	104.3	24.7	0.0
-20°	887.9	601.9	385.2	227.1	102.5	24.5	0.0

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REPORT NUMBER: P627721 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	874.2	587.3	376.8	222.0	100.5	24.3	0.0
-25°	857.6	576.7	367.1	216.1	98.0	24.0	0.0
-27.5°	838.3	566.1	356.0	209.4	95.3	23.6	0.0
-30°	816.3	552.8	344.2	202.0	92.2	23.2	0.0
-32.5°	791.8	536.7	336.3	193.7	88.8	22.7	0.0
-35°	768.2	517.8	326.5	184.7	85.1	22.2	0.0
-37.5°	742.8	499.0	314.8	175.0	81.0	21.6	0.0
-40°	713.9	482.7	301.1	164.5	76.7	21.0	0.0
-42.5°	681.6	463.6	287.3	153.9	72.0	20.3	0.0
-45°	646.1	441.8	273.6	143.5	67.1	19.5	0.0
-47.5°	607.3	417.2	258.0	132.1	61.8	18.8	0.0
-50°	572.5	390.0	240.8	123.3	56.3	17.9	0.0
-52.5°	535.3	360.2	221.9	114.8	50.6	17.0	0.0
-55°	494.7	332.1	201.4	105.6	44.5	16.1	0.0
-57.5°	450.9	302.5	179.3	95.6	38.3	15.1	0.0
-60°	404.6	270.7	156.1	84.8	31.9	14.1	0.0
-62.5°	360.6	236.8	138.7	73.4	29.6	13.1	0.0
-65°	314.0	201.0	120.2	61.4	27.2	12.0	0.0
-67.5°	264.8	168.3	100.7	48.7	24.7	10.9	0.0
-70°	213.4	139.1	80.3	35.6	22.2	9.8	0.0
-72.5°	170.7	108.7	59.0	29.7	19.6	8.6	0.0
-75°	127.9	77.1	37.0	25.6	16.9	7.4	0.0
-77.5°	83.7	44.6	28.4	21.4	14.2	6.2	0.0
-80°	38.4	28.4	22.8	17.1	11.4	5.0	0.0
-82.5°	25.6	21.4	17.1	12.9	8.6	3.8	0.0
-85°	17.1	14.3	11.4	8.6	5.7	2.5	0.0
-87.5°	8.5	7.1	5.7	4.3	2.9	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)