

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: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-730-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627687 (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-730-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N117
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

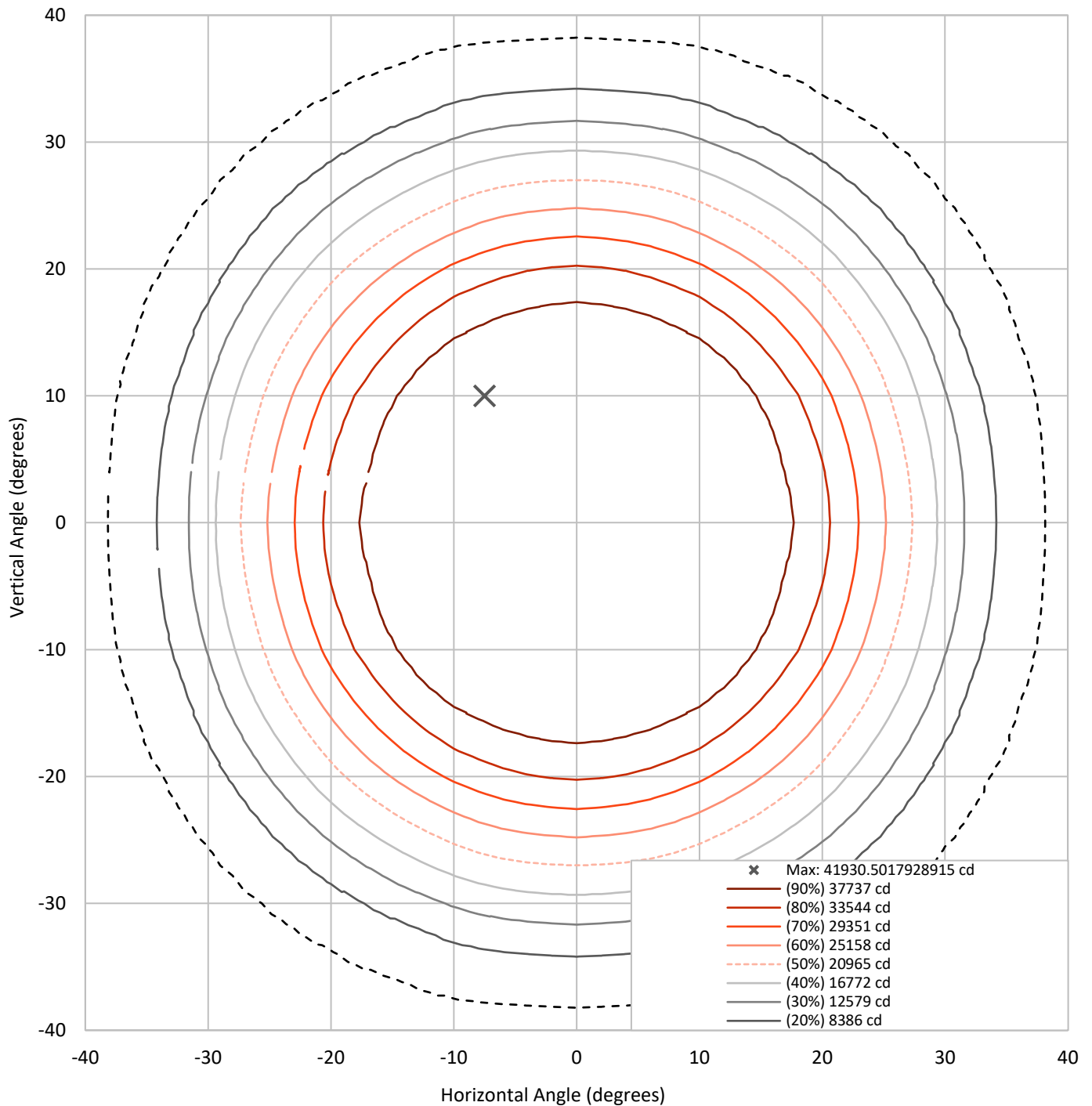
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	35686.8 lumens	Max Intensity:	41930.5 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	131.5 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:	23686.8 lumens	Field Lumens:	30799.6 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





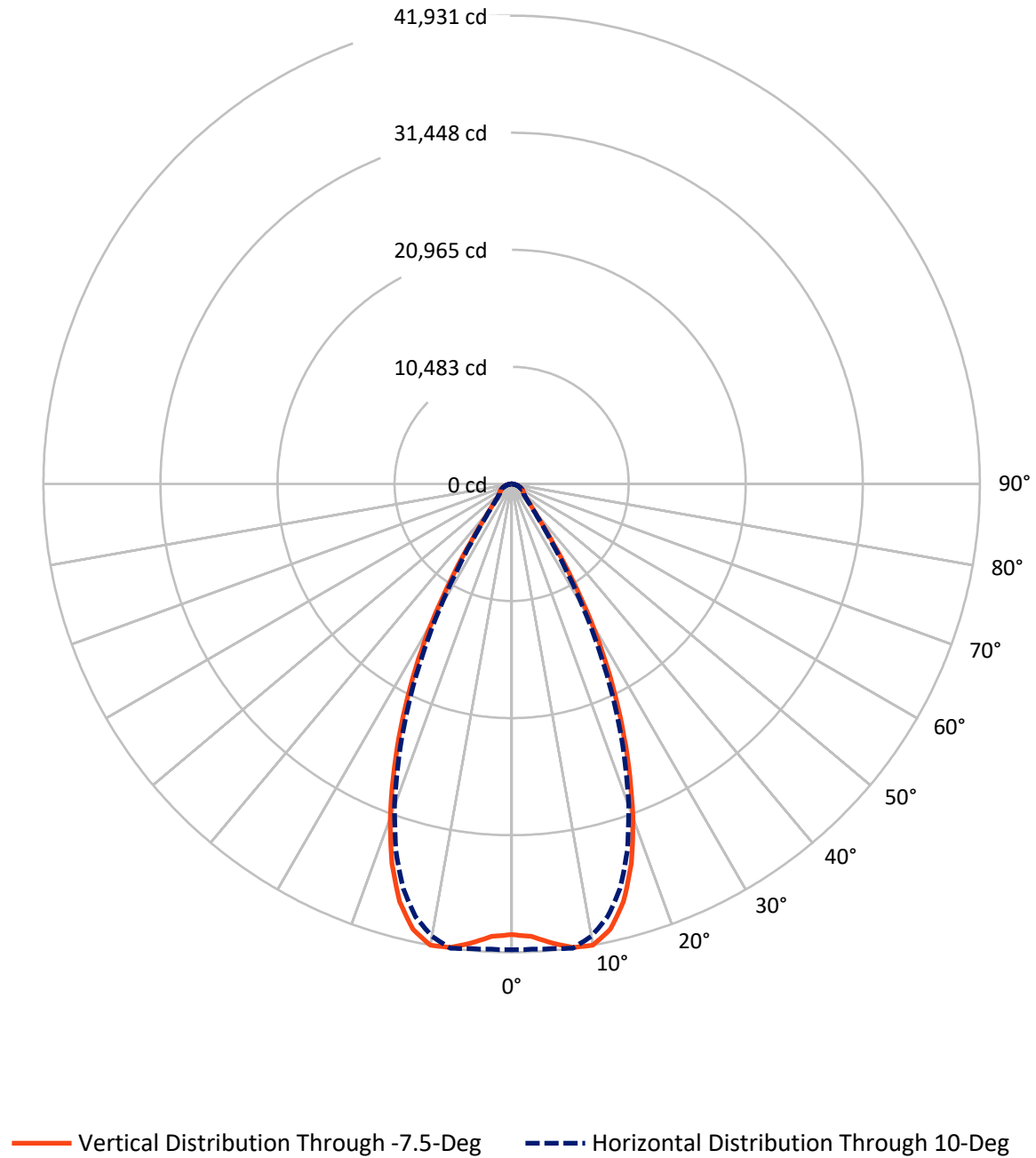
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Lumen Table

90																			
80	0.9	8.4		22.4		35.4		39.6		35.4		22.4		8.4		0.9			
70																			
60	3.8	4.3	8.8	14.3	20.0	24.3	27.4	29.0	29.0	27.4	24.3	20.0	14.3	8.8	4.3	3.8			
50		6.4	12.9	20.6	27.5	33.3	37.3	38.9	38.9	37.3	33.3	27.5	20.6	12.9	6.4				
40	6.7	8.3	16.3	25.0	33.5	43.6	54.8	62.9	62.9	54.8	43.6	33.5	25.0	16.3	8.3	6.7			
30		9.8	18.9	28.7	44.4	81.1	155.2	230.1	230.1	155.2	81.1	44.4	28.7	18.9	9.8				
20	8.7	11.0	20.6	33.5	73.1	229.1	514.0	717.7	717.7	514.0	229.1	73.1	33.5	20.6	11.0	8.7			
10		11.7	21.7	39.8	132.1	488.4	932.7	1167.3	1167.3	932.7	488.4	132.1	39.8	21.7	11.7				
0	9.3	12.1	22.3	44.8	190.2	668.3	1131.5	1231.1	1231.1	1131.5	668.3	190.2	44.8	22.3	12.1	9.3			
-10		12.1	22.3	44.8	190.2	668.3	1131.5	1231.1	1231.1	1131.5	668.3	190.2	44.8	22.3	12.1				
-20	8.7	11.7	21.7	39.8	132.1	488.4	932.7	1167.3	1167.3	932.7	488.4	132.1	39.8	21.7	11.7	8.7			
-30		11.0	20.6	33.5	73.1	229.1	514.0	717.7	717.7	514.0	229.1	73.1	33.5	20.6	11.0				
-40	6.7	9.8	18.9	28.7	44.4	81.1	155.2	230.1	230.1	155.2	81.1	44.4	28.7	18.9	9.8	6.7			
-50		8.3	16.3	25.0	33.5	43.6	54.8	62.9	62.9	54.8	43.6	33.5	25.0	16.3	8.3				
-60	3.8	6.4	12.9	20.6	27.5	33.3	37.3	38.9	38.9	37.3	33.3	27.5	20.6	12.9	6.4	3.8			
-70		4.3	8.8	14.3	20.0	24.3	27.4	29.0	29.0	27.4	24.3	20.0	14.3	8.8	4.3				
-80																			
-90	0.9	8.4		22.4		35.4		39.6		35.4		22.4		8.4		0.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

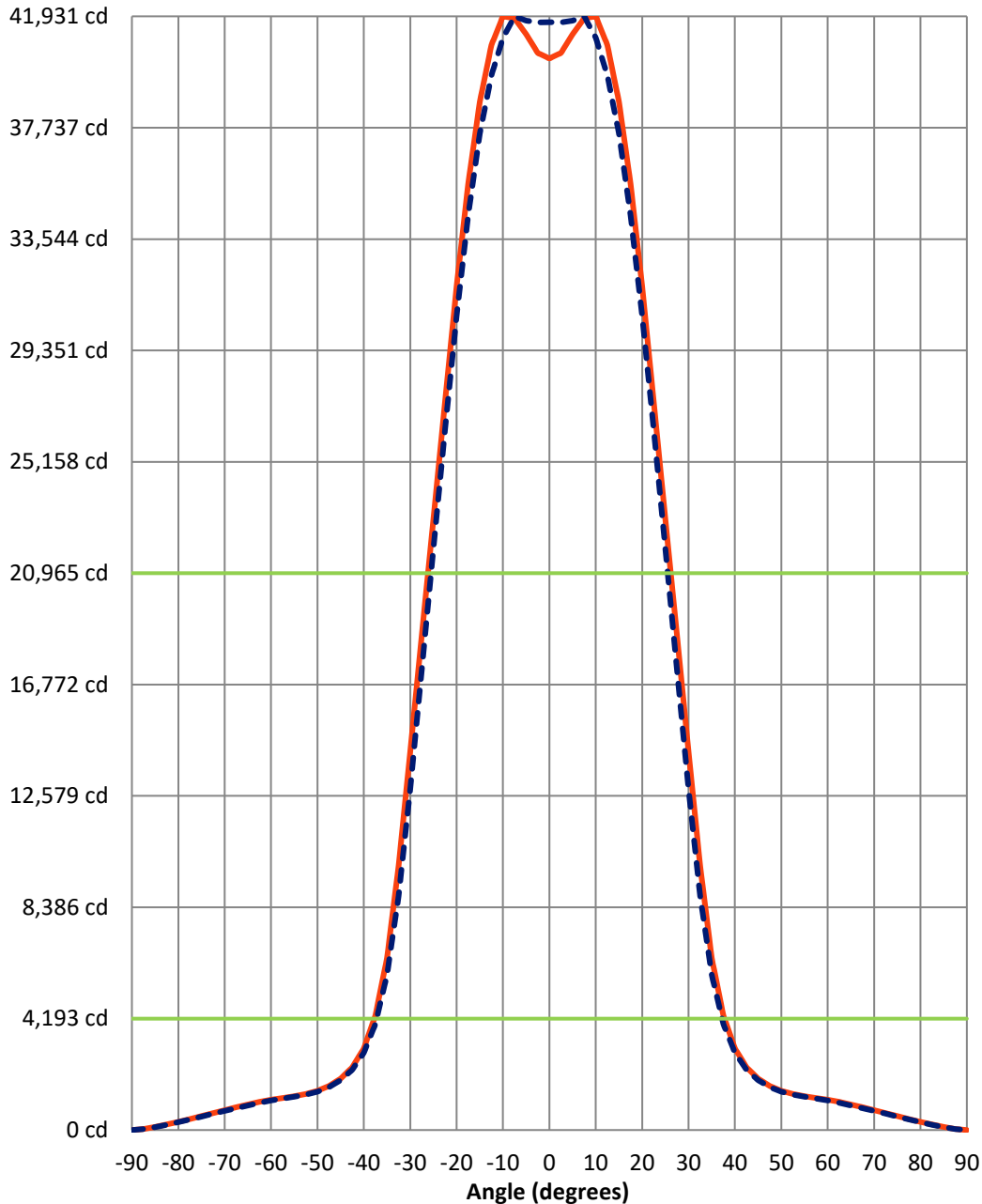
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 23686.8
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 30799.6
 Efficiency: 86.3%

Spill:
 Lumens: 4887.2
 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	1.6	3.2	4.8	6.4	7.9	9.5	11.6	13.8	16.1	18.6
85°	0.0	3.2	6.4	9.6	12.7	15.9	19.0	23.1	27.5	32.2	37.1
82.5°	0.0	4.8	9.6	14.3	19.1	23.8	28.4	34.6	42.0	53.0	63.3
80°	0.0	6.4	12.7	19.1	25.4	31.6	39.2	53.9	68.1	81.5	94.1
77.5°	0.0	7.9	15.9	23.8	31.6	42.7	59.7	77.2	94.0	109.9	126.9
75°	0.0	9.5	19.0	28.4	39.2	59.7	80.0	100.4	120.4	143.5	166.2
72.5°	0.0	11.0	22.0	33.0	52.6	76.5	100.1	124.6	151.9	178.8	205.2
70°	0.0	12.5	25.1	38.6	65.9	93.0	120.4	151.9	182.9	213.6	245.8
67.5°	0.0	14.0	28.1	48.4	79.0	109.4	143.3	178.8	213.6	249.5	286.1
65°	0.0	15.5	31.0	58.1	91.9	126.6	165.7	205.2	244.5	284.7	327.4
62.5°	0.0	16.9	33.9	67.5	104.5	144.6	187.6	231.3	274.7	320.1	371.6
60°	0.0	18.3	36.7	76.8	116.8	162.2	209.0	256.7	304.1	358.5	414.7
57.5°	0.0	19.7	42.6	85.8	130.2	179.3	230.3	281.4	336.0	395.8	455.3
55°	0.0	21.0	48.3	94.6	143.3	195.8	251.3	305.6	367.8	431.7	494.2
52.5°	0.0	22.3	53.9	103.1	156.0	212.0	271.7	332.2	398.5	465.7	532.1
50°	0.0	23.6	59.2	111.4	168.1	228.6	291.6	358.1	428.0	498.7	568.7
47.5°	0.0	24.8	64.3	119.5	179.8	244.8	311.2	383.0	456.2	530.5	604.2
45°	0.0	25.9	69.2	127.8	191.0	260.4	331.5	406.8	483.4	561.1	638.2
42.5°	0.0	27.1	73.8	135.8	201.6	275.4	350.9	429.4	509.3	590.4	670.4
40°	0.0	28.1	78.2	143.2	212.4	289.9	369.2	450.8	534.0	618.4	701.4
37.5°	0.0	29.1	82.3	150.0	223.4	303.7	386.5	471.0	558.0	645.4	731.2
35°	0.0	30.1	86.2	156.5	233.8	317.1	402.7	489.8	580.7	670.7	758.9
32.5°	0.0	30.9	89.8	162.5	243.5	329.8	417.8	507.3	602.3	694.2	783.3
30°	0.0	31.8	93.1	168.1	252.7	341.5	431.8	523.8	622.7	715.9	806.1
27.5°	0.0	32.6	96.1	173.3	260.9	352.4	444.6	540.1	641.2	735.6	827.1
25°	0.0	33.3	98.8	177.9	268.3	362.3	456.3	555.1	657.4	753.1	846.4
22.5°	0.0	33.9	101.3	182.2	275.0	371.0	466.7	568.9	671.8	768.6	863.9
20°	0.0	34.5	103.4	185.9	280.9	378.5	476.0	581.3	684.6	782.5	879.4
17.5°	0.0	35.0	105.3	189.2	286.1	385.0	484.4	592.3	695.7	794.6	893.1
15°	0.0	35.4	106.9	191.9	290.6	390.6	491.9	602.2	705.2	805.0	904.8
12.5°	0.0	35.8	108.1	194.2	294.3	395.2	498.4	611.0	713.5	813.6	914.4
10°	0.0	36.1	109.1	196.0	297.2	398.9	503.8	618.2	720.8	821.7	922.6
7.5°	0.0	36.4	109.8	197.3	299.3	401.6	508.1	623.8	726.5	828.2	929.9
5°	0.0	36.6	110.2	198.1	300.6	403.2	511.2	627.9	730.5	832.8	935.1
2.5°	0.0	36.7	110.3	198.3	301.1	403.9	513.1	630.3	733.0	835.6	938.3
0°	0.0	36.7	110.1	198.1	300.9	403.6	513.7	631.1	733.8	836.5	939.3
-2.5°	0.0	36.7	110.3	198.3	301.1	403.9	513.1	630.3	733.0	835.6	938.3
-5°	0.0	36.6	110.2	198.1	300.6	403.2	511.2	627.9	730.5	832.8	935.1
-7.5°	0.0	36.4	109.8	197.3	299.3	401.6	508.1	623.8	726.5	828.2	929.9
-10°	0.0	36.1	109.1	196.0	297.2	398.9	503.8	618.2	720.8	821.7	922.6
-12.5°	0.0	35.8	108.1	194.2	294.3	395.2	498.4	611.0	713.5	813.6	914.4
-15°	0.0	35.4	106.9	191.9	290.6	390.6	491.9	602.2	705.2	805.0	904.8
-17.5°	0.0	35.0	105.3	189.2	286.1	385.0	484.4	592.3	695.7	794.6	893.1
-20°	0.0	34.5	103.4	185.9	280.9	378.5	476.0	581.3	684.6	782.5	879.4

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5D-730-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	33.9	101.3	182.2	275.0	371.0	466.7	568.9	671.8	768.6	863.9
-25°	0.0	33.3	98.8	177.9	268.3	362.3	456.3	555.1	657.4	753.1	846.4
-27.5°	0.0	32.6	96.1	173.3	260.9	352.4	444.6	540.1	641.2	735.6	827.1
-30°	0.0	31.8	93.1	168.1	252.7	341.5	431.8	523.8	622.7	715.9	806.1
-32.5°	0.0	30.9	89.8	162.5	243.5	329.8	417.8	507.3	602.3	694.2	783.3
-35°	0.0	30.1	86.2	156.5	233.8	317.1	402.7	489.8	580.7	670.7	758.9
-37.5°	0.0	29.1	82.3	150.0	223.4	303.7	386.5	471.0	558.0	645.4	731.2
-40°	0.0	28.1	78.2	143.2	212.4	289.9	369.2	450.8	534.0	618.4	701.4
-42.5°	0.0	27.1	73.8	135.8	201.6	275.4	350.9	429.4	509.3	590.4	670.4
-45°	0.0	25.9	69.2	127.8	191.0	260.4	331.5	406.8	483.4	561.1	638.2
-47.5°	0.0	24.8	64.3	119.5	179.8	244.8	311.2	383.0	456.2	530.5	604.2
-50°	0.0	23.6	59.2	111.4	168.1	228.6	291.6	358.1	428.0	498.7	568.7
-52.5°	0.0	22.3	53.9	103.1	156.0	212.0	271.7	332.2	398.5	465.7	532.1
-55°	0.0	21.0	48.3	94.6	143.3	195.8	251.3	305.6	367.8	431.7	494.2
-57.5°	0.0	19.7	42.6	85.8	130.2	179.3	230.3	281.4	336.0	395.8	455.3
-60°	0.0	18.3	36.7	76.8	116.8	162.2	209.0	256.7	304.1	358.5	414.7
-62.5°	0.0	16.9	33.9	67.5	104.5	144.6	187.6	231.3	274.7	320.1	371.6
-65°	0.0	15.5	31.0	58.1	91.9	126.6	165.7	205.2	244.5	284.7	327.4
-67.5°	0.0	14.0	28.1	48.4	79.0	109.4	143.3	178.8	213.6	249.5	286.1
-70°	0.0	12.5	25.1	38.6	65.9	93.0	120.4	151.9	182.9	213.6	245.8
-72.5°	0.0	11.0	22.0	33.0	52.6	76.5	100.1	124.6	151.9	178.8	205.2
-75°	0.0	9.5	19.0	28.4	39.2	59.7	80.0	100.4	120.4	143.5	166.2
-77.5°	0.0	7.9	15.9	23.8	31.6	42.7	59.7	77.2	94.0	109.9	126.9
-80°	0.0	6.4	12.7	19.1	25.4	31.6	39.2	53.9	68.1	81.5	94.1
-82.5°	0.0	4.8	9.6	14.3	19.1	23.8	28.4	34.6	42.0	53.0	63.3
-85°	0.0	3.2	6.4	9.6	12.7	15.9	19.0	23.1	27.5	32.2	37.1
-87.5°	0.0	1.6	3.2	4.8	6.4	7.9	9.5	11.6	13.8	16.1	18.6
-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°	20.3	22.0	23.6	25.2	26.8	28.3	29.7	31.1	32.4	33.7	34.9
85°	40.6	44.0	49.8	55.8	61.5	67.0	72.3	77.4	82.2	86.9	91.3
82.5°	72.7	82.2	91.9	101.8	110.4	118.7	126.8	135.1	143.5	151.8	160.0
80°	106.9	120.2	135.3	149.7	162.3	174.3	185.9	197.0	209.1	222.1	235.2
77.5°	146.5	165.3	183.1	199.7	215.7	233.2	250.1	266.3	283.2	300.0	315.9
75°	188.8	210.4	233.1	255.4	277.1	298.1	318.6	339.5	360.7	381.7	401.8
72.5°	232.6	259.9	286.7	312.7	339.6	365.9	391.3	415.8	441.0	466.7	491.3
70°	278.0	309.2	342.2	374.0	404.3	435.0	466.0	495.8	525.0	554.8	584.4
67.5°	323.8	363.0	400.2	435.5	471.2	507.3	542.2	577.9	612.5	647.2	680.3
65°	374.3	417.2	457.7	498.1	538.7	581.1	622.4	662.2	702.3	741.0	775.9
62.5°	423.8	469.3	514.2	560.2	608.6	656.1	701.2	746.9	793.5	834.1	869.3
60°	469.3	519.8	570.1	622.5	675.9	727.1	777.6	827.3	877.4	924.0	952.8
57.5°	513.2	569.0	624.8	681.2	737.5	794.7	847.7	902.3	948.9	988.2	1021.6
55°	556.0	616.7	676.0	735.2	796.1	855.7	913.5	965.4	1010.8	1043.6	1075.8
52.5°	597.6	661.6	722.9	786.9	851.6	914.9	975.2	1023.4	1060.6	1094.1	1124.3
50°	638.0	703.1	767.8	837.2	905.5	972.4	1029.2	1071.3	1109.2	1141.9	1173.5
47.5°	675.8	743.7	812.8	885.9	957.7	1022.4	1074.5	1118.6	1157.4	1192.7	1230.0
45°	712.2	784.2	857.3	932.7	1006.0	1068.6	1118.9	1166.4	1202.7	1242.4	1285.2
42.5°	747.6	823.2	899.8	977.7	1051.8	1110.2	1160.5	1204.0	1246.6	1293.7	1345.4
40°	781.2	860.0	939.9	1020.9	1094.8	1146.7	1195.8	1242.0	1293.7	1349.7	1409.7
37.5°	812.7	894.5	977.5	1061.6	1126.5	1179.9	1230.3	1281.7	1341.9	1406.8	1488.1
35°	842.2	926.7	1012.5	1093.2	1154.9	1211.6	1263.7	1321.1	1391.3	1476.2	1580.3
32.5°	869.4	956.5	1044.7	1118.8	1181.1	1239.9	1293.5	1365.0	1449.5	1550.5	1697.9
30°	894.6	983.7	1072.3	1144.0	1204.7	1263.8	1329.0	1409.5	1508.4	1655.8	1844.4
27.5°	918.0	1008.4	1093.9	1164.9	1225.8	1286.7	1362.9	1460.7	1590.8	1766.6	2001.2
25°	939.5	1032.1	1114.7	1182.4	1245.4	1312.9	1395.7	1505.7	1676.7	1903.8	2220.7
22.5°	958.9	1053.4	1134.5	1197.6	1263.7	1336.9	1433.5	1571.0	1768.2	2033.3	2442.1
20°	976.2	1069.5	1149.4	1211.9	1280.6	1356.6	1467.2	1633.0	1870.7	2214.2	2736.0
17.5°	991.4	1083.7	1160.5	1225.7	1297.1	1379.1	1499.9	1686.7	1961.8	2371.9	3033.1
15°	1004.4	1095.7	1169.9	1237.4	1311.5	1404.8	1545.5	1756.8	2067.6	2536.0	3292.0
12.5°	1015.1	1105.7	1177.6	1247.1	1323.3	1426.3	1584.6	1823.0	2177.5	2737.6	3673.5
10°	1023.7	1113.5	1183.4	1254.5	1332.5	1443.5	1616.2	1877.1	2268.6	2912.2	3998.8
7.5°	1031.5	1119.2	1187.5	1259.8	1339.1	1456.4	1640.3	1918.8	2338.4	3049.3	4256.4
5°	1037.3	1122.7	1189.8	1262.8	1344.7	1464.8	1656.7	1947.8	2386.6	3147.3	4437.6
2.5°	1040.8	1123.8	1190.2	1263.6	1348.8	1468.5	1665.2	1963.7	2424.5	3193.7	4534.9
0°	1042.0	1122.7	1188.8	1262.2	1350.2	1467.6	1665.8	1966.6	2443.6	3192.1	4549.6
-2.5°	1040.8	1123.8	1190.2	1263.6	1348.8	1468.5	1665.2	1963.7	2424.5	3193.7	4534.9
-5°	1037.3	1122.7	1189.8	1262.8	1344.7	1464.8	1656.7	1947.8	2386.6	3147.3	4437.6
-7.5°	1031.5	1119.2	1187.5	1259.8	1339.1	1456.4	1640.3	1918.8	2338.4	3049.3	4256.4
-10°	1023.7	1113.5	1183.4	1254.5	1332.5	1443.5	1616.2	1877.1	2268.6	2912.2	3998.8
-12.5°	1015.1	1105.7	1177.6	1247.1	1323.3	1426.3	1584.6	1823.0	2177.5	2737.6	3673.5
-15°	1004.4	1095.7	1169.9	1237.4	1311.5	1404.8	1545.5	1756.8	2067.6	2536.0	3292.0
-17.5°	991.4	1083.7	1160.5	1225.7	1297.1	1379.1	1499.9	1686.7	1961.8	2371.9	3033.1
-20°	976.2	1069.5	1149.4	1211.9	1280.6	1356.6	1467.2	1633.0	1870.7	2214.2	2736.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	958.9	1053.4	1134.5	1197.6	1263.7	1336.9	1433.5	1571.0	1768.2	2033.3	2442.1
-25°	939.5	1032.1	1114.7	1182.4	1245.4	1312.9	1395.7	1505.7	1676.7	1903.8	2220.7
-27.5°	918.0	1008.4	1093.9	1164.9	1225.8	1286.7	1362.9	1460.7	1590.8	1766.6	2001.2
-30°	894.6	983.7	1072.3	1144.0	1204.7	1263.8	1329.0	1409.5	1508.4	1655.8	1844.4
-32.5°	869.4	956.5	1044.7	1118.8	1181.1	1239.9	1293.5	1365.0	1449.5	1550.5	1697.9
-35°	842.2	926.7	1012.5	1093.2	1154.9	1211.6	1263.7	1321.1	1391.3	1476.2	1580.3
-37.5°	812.7	894.5	977.5	1061.6	1126.5	1179.9	1230.3	1281.7	1341.9	1406.8	1488.1
-40°	781.2	860.0	939.9	1020.9	1094.8	1146.7	1195.8	1242.0	1293.7	1349.7	1409.7
-42.5°	747.6	823.2	899.8	977.7	1051.8	1110.2	1160.5	1204.0	1246.6	1293.7	1345.4
-45°	712.2	784.2	857.3	932.7	1006.0	1068.6	1118.9	1166.4	1202.7	1242.4	1285.2
-47.5°	675.8	743.7	812.8	885.9	957.7	1022.4	1074.5	1118.6	1157.4	1192.7	1230.0
-50°	638.0	703.1	767.8	837.2	905.5	972.4	1029.2	1071.3	1109.2	1141.9	1173.5
-52.5°	597.6	661.6	722.9	786.9	851.6	914.9	975.2	1023.4	1060.6	1094.1	1124.3
-55°	556.0	616.7	676.0	735.2	796.1	855.7	913.5	965.4	1010.8	1043.6	1075.8
-57.5°	513.2	569.0	624.8	681.2	737.5	794.7	847.7	902.3	948.9	988.2	1021.6
-60°	469.3	519.8	570.1	622.5	675.9	727.1	777.6	827.3	877.4	924.0	952.8
-62.5°	423.8	469.3	514.2	560.2	608.6	656.1	701.2	746.9	793.5	834.1	869.3
-65°	374.3	417.2	457.7	498.1	538.7	581.1	622.4	662.2	702.3	741.0	775.9
-67.5°	323.8	363.0	400.2	435.5	471.2	507.3	542.2	577.9	612.5	647.2	680.3
-70°	278.0	309.2	342.2	374.0	404.3	435.0	466.0	495.8	525.0	554.8	584.4
-72.5°	232.6	259.9	286.7	312.7	339.6	365.9	391.3	415.8	441.0	466.7	491.3
-75°	188.8	210.4	233.1	255.4	277.1	298.1	318.6	339.5	360.7	381.7	401.8
-77.5°	146.5	165.3	183.1	199.7	215.7	233.2	250.1	266.3	283.2	300.0	315.9
-80°	106.9	120.2	135.3	149.7	162.3	174.3	185.9	197.0	209.1	222.1	235.2
-82.5°	72.7	82.2	91.9	101.8	110.4	118.7	126.8	135.1	143.5	151.8	160.0
-85°	40.6	44.0	49.8	55.8	61.5	67.0	72.3	77.4	82.2	86.9	91.3
-87.5°	20.3	22.0	23.6	25.2	26.8	28.3	29.7	31.1	32.4	33.7	34.9
-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: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	36.0	35.6	35.0	34.2	33.3	35.6	37.9	40.2	42.5	41.2	39.7
85°	95.5	97.6	99.5	101.0	102.3	106.9	111.2	115.3	119.1	119.1	118.6
82.5°	168.0	173.4	178.1	182.3	186.0	191.3	196.1	200.2	203.7	206.4	208.6
80°	247.7	256.4	264.0	270.8	276.9	283.9	290.5	296.3	301.4	304.1	305.9
77.5°	331.8	344.6	356.1	367.0	377.4	387.6	397.0	405.4	412.7	414.4	414.0
75°	420.9	438.1	454.3	469.3	483.1	495.0	505.0	513.4	520.3	523.7	525.6
72.5°	514.7	535.9	554.9	572.1	586.8	599.0	609.6	618.8	626.5	631.4	634.4
70°	612.5	637.6	657.1	673.2	685.8	698.0	711.7	724.7	736.9	743.8	746.4
67.5°	710.6	736.6	754.5	769.2	780.8	792.8	810.0	825.4	839.2	848.5	854.5
65°	806.6	834.0	852.0	866.1	876.7	888.7	907.9	923.3	935.0	944.3	952.7
62.5°	901.5	929.1	949.1	965.9	981.3	994.5	1010.3	1023.2	1033.2	1042.4	1052.8
60°	983.8	1016.5	1037.5	1054.4	1073.6	1094.2	1105.8	1115.5	1123.9	1131.3	1137.7
57.5°	1050.9	1080.1	1107.1	1127.5	1147.4	1166.5	1180.2	1189.3	1196.7	1202.2	1204.4
55°	1107.1	1137.3	1167.4	1189.5	1209.0	1226.9	1241.9	1253.8	1263.6	1271.3	1273.2
52.5°	1157.5	1191.3	1220.9	1246.3	1272.2	1293.3	1309.8	1326.0	1340.0	1351.4	1356.3
50°	1212.3	1247.7	1284.6	1318.7	1346.2	1370.4	1390.4	1413.2	1437.1	1456.9	1469.4
47.5°	1269.9	1310.8	1355.3	1397.3	1429.9	1465.6	1498.9	1532.7	1577.3	1614.7	1642.4
45°	1330.2	1382.7	1433.4	1486.8	1531.8	1599.2	1661.8	1715.6	1787.0	1851.8	1903.3
42.5°	1401.4	1466.7	1529.0	1614.6	1704.1	1796.2	1895.7	1980.6	2092.3	2205.9	2297.7
40°	1485.7	1569.1	1679.0	1793.9	1935.2	2061.8	2233.6	2386.6	2557.9	2774.6	2953.6
37.5°	1587.2	1715.8	1868.5	2028.6	2249.2	2459.8	2743.7	3042.9	3314.3	3731.1	4081.6
35°	1719.0	1898.8	2099.9	2383.3	2695.4	3090.2	3533.0	4110.9	4606.4	5309.3	5981.1
32.5°	1888.9	2120.0	2448.5	2886.0	3347.2	4064.0	4766.7	5770.1	6699.1	7813.2	9015.6
30°	2078.0	2429.7	2931.5	3531.6	4392.1	5446.5	6685.2	8226.2	9912.7	11478.5	13021.6
27.5°	2351.9	2856.0	3515.2	4483.4	5824.5	7299.6	9470.1	11561.9	13744.4	15684.4	17302.4
25°	2671.8	3337.9	4357.2	5783.0	7596.6	10122.7	12720.8	15302.6	17649.6	19680.7	21468.4
22.5°	3084.9	4042.8	5401.8	7248.5	10072.8	13100.4	16147.0	18994.7	21498.3	23760.0	25695.1
20°	3534.2	4732.9	6673.5	9427.4	12657.1	16106.4	19546.5	22579.8	25336.5	27900.9	30082.0
17.5°	4103.7	5782.3	8239.9	11543.5	15277.5	19056.7	22670.7	25962.5	29090.1	31803.6	34082.4
15°	4588.9	6706.6	9914.0	13788.5	17827.4	21813.9	25629.3	29205.0	32456.6	35240.7	37383.1
12.5°	5236.2	7742.5	11400.4	15718.5	20095.3	24290.0	28308.8	32004.4	35313.5	38067.0	39734.8
10°	5848.1	8814.9	12837.1	17340.2	21887.3	26356.6	30647.7	34437.9	37510.2	39700.6	41121.8
7.5°	6368.4	9736.6	14005.7	18651.0	23311.1	27983.8	32327.4	36015.2	38848.0	40677.2	41666.7
5°	6756.9	10425.6	14873.1	19716.2	24498.1	29252.9	33562.6	37024.5	39472.8	40831.7	41328.5
2.5°	7004.4	10830.2	15376.5	20415.0	25292.5	30055.8	34409.7	37817.4	39894.6	40795.4	40880.9
0°	7103.3	10882.5	15454.1	20781.6	25492.7	30284.5	34650.7	38143.7	40051.6	40792.7	40778.1
-2.5°	7004.4	10830.2	15376.5	20415.0	25292.5	30055.8	34409.7	37817.4	39894.6	40795.4	40880.9
-5°	6756.9	10425.6	14873.1	19716.2	24498.1	29252.9	33562.6	37024.5	39472.8	40831.7	41328.5
-7.5°	6368.4	9736.6	14005.7	18651.0	23311.1	27983.8	32327.4	36015.2	38848.0	40677.2	41666.7
-10°	5848.1	8814.9	12837.1	17340.2	21887.3	26356.6	30647.7	34437.9	37510.2	39700.6	41121.8
-12.5°	5236.2	7742.5	11400.4	15718.5	20095.3	24290.0	28308.8	32004.4	35313.5	38067.0	39734.8
-15°	4588.9	6706.6	9914.0	13788.5	17827.4	21813.9	25629.3	29205.0	32456.6	35240.7	37383.1
-17.5°	4103.7	5782.3	8239.9	11543.5	15277.5	19056.7	22670.7	25962.5	29090.1	31803.6	34082.4
-20°	3534.2	4732.9	6673.5	9427.4	12657.1	16106.4	19546.5	22579.8	25336.5	27900.9	30082.0



REPORT NUMBER: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3084.9	4042.8	5401.8	7248.5	10072.8	13100.4	16147.0	18994.7	21498.3	23760.0	25695.1
-25°	2671.8	3337.9	4357.2	5783.0	7596.6	10122.7	12720.8	15302.6	17649.6	19680.7	21468.4
-27.5°	2351.9	2856.0	3515.2	4483.4	5824.5	7299.6	9470.1	11561.9	13744.4	15684.4	17302.4
-30°	2078.0	2429.7	2931.5	3531.6	4392.1	5446.5	6685.2	8226.2	9912.7	11478.5	13021.6
-32.5°	1888.9	2120.0	2448.5	2886.0	3347.2	4064.0	4766.7	5770.1	6699.1	7813.2	9015.6
-35°	1719.0	1898.8	2099.9	2383.3	2695.4	3090.2	3533.0	4110.9	4606.4	5309.3	5981.1
-37.5°	1587.2	1715.8	1868.5	2028.6	2249.2	2459.8	2743.7	3042.9	3314.3	3731.1	4081.6
-40°	1485.7	1569.1	1679.0	1793.9	1935.2	2061.8	2233.6	2386.6	2557.9	2774.6	2953.6
-42.5°	1401.4	1466.7	1529.0	1614.6	1704.1	1796.2	1895.7	1980.6	2092.3	2205.9	2297.7
-45°	1330.2	1382.7	1433.4	1486.8	1531.8	1599.2	1661.8	1715.6	1787.0	1851.8	1903.3
-47.5°	1269.9	1310.8	1355.3	1397.3	1429.9	1465.6	1498.9	1532.7	1577.3	1614.7	1642.4
-50°	1212.3	1247.7	1284.6	1318.7	1346.2	1370.4	1390.4	1413.2	1437.1	1456.9	1469.4
-52.5°	1157.5	1191.3	1220.9	1246.3	1272.2	1293.3	1309.8	1326.0	1340.0	1351.4	1356.3
-55°	1107.1	1137.3	1167.4	1189.5	1209.0	1226.9	1241.9	1253.8	1263.6	1271.3	1273.2
-57.5°	1050.9	1080.1	1107.1	1127.5	1147.4	1166.5	1180.2	1189.3	1196.7	1202.2	1204.4
-60°	983.8	1016.5	1037.5	1054.4	1073.6	1094.2	1105.8	1115.5	1123.9	1131.3	1137.7
-62.5°	901.5	929.1	949.1	965.9	981.3	994.5	1010.3	1023.2	1033.2	1042.4	1052.8
-65°	806.6	834.0	852.0	866.1	876.7	888.7	907.9	923.3	935.0	944.3	952.7
-67.5°	710.6	736.6	754.5	769.2	780.8	792.8	810.0	825.4	839.2	848.5	854.5
-70°	612.5	637.6	657.1	673.2	685.8	698.0	711.7	724.7	736.9	743.8	746.4
-72.5°	514.7	535.9	554.9	572.1	586.8	599.0	609.6	618.8	626.5	631.4	634.4
-75°	420.9	438.1	454.3	469.3	483.1	495.0	505.0	513.4	520.3	523.7	525.6
-77.5°	331.8	344.6	356.1	367.0	377.4	387.6	397.0	405.4	412.7	414.4	414.0
-80°	247.7	256.4	264.0	270.8	276.9	283.9	290.5	296.3	301.4	304.1	305.9
-82.5°	168.0	173.4	178.1	182.3	186.0	191.3	196.1	200.2	203.7	206.4	208.6
-85°	95.5	97.6	99.5	101.0	102.3	106.9	111.2	115.3	119.1	119.1	118.6
-87.5°	36.0	35.6	35.0	34.2	33.3	35.6	37.9	40.2	42.5	41.2	39.7
-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: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	38.2	36.6	36.7	36.7	36.7	36.6	38.2	39.7	41.2	42.5	40.2
85°	117.9	116.8	113.6	110.1	113.6	116.8	117.9	118.6	119.1	119.1	115.3
82.5°	210.4	211.7	208.9	205.5	208.9	211.7	210.4	208.6	206.4	203.7	200.2
80°	306.7	306.8	304.2	300.9	304.2	306.8	306.7	305.9	304.1	301.4	296.3
77.5°	412.2	409.2	410.4	410.9	410.4	409.2	412.2	414.0	414.4	412.7	405.4
75°	526.3	525.8	524.1	521.0	524.1	525.8	526.3	525.6	523.7	520.3	513.4
72.5°	635.8	635.7	634.2	631.1	634.2	635.7	635.8	634.4	631.4	626.5	618.8
70°	747.0	745.7	747.6	748.5	747.6	745.7	747.0	746.4	743.8	736.9	724.7
67.5°	859.0	862.0	861.5	858.6	861.5	862.0	859.0	854.5	848.5	839.2	825.4
65°	959.4	964.4	967.5	968.6	967.5	964.4	959.4	952.7	944.3	935.0	923.3
62.5°	1060.9	1066.7	1067.0	1064.0	1067.0	1066.7	1060.9	1052.8	1042.4	1033.2	1023.2
60°	1141.2	1142.2	1140.7	1137.4	1140.7	1142.2	1141.2	1137.7	1131.3	1123.9	1115.5
57.5°	1204.3	1202.2	1199.7	1196.1	1199.7	1202.2	1204.3	1204.4	1202.2	1196.7	1189.3
55°	1272.2	1268.6	1265.6	1262.2	1265.6	1268.6	1272.2	1273.2	1271.3	1263.6	1253.8
52.5°	1357.3	1355.5	1353.4	1350.2	1353.4	1355.5	1357.3	1356.3	1351.4	1340.0	1326.0
50°	1475.8	1477.6	1477.5	1475.0	1477.5	1477.6	1475.8	1469.4	1456.9	1437.1	1413.2
47.5°	1660.0	1669.8	1676.4	1680.4	1676.4	1669.8	1660.0	1642.4	1614.7	1577.3	1532.7
45°	1936.2	1955.8	1969.7	1981.3	1969.7	1955.8	1936.2	1903.3	1851.8	1787.0	1715.6
42.5°	2362.3	2406.2	2426.9	2421.6	2426.9	2406.2	2362.3	2297.7	2205.9	2092.3	1980.6
40°	3072.8	3143.6	3182.8	3214.1	3182.8	3143.6	3072.8	2953.6	2774.6	2557.9	2386.6
37.5°	4320.9	4458.4	4530.7	4593.7	4530.7	4458.4	4320.9	4081.6	3731.1	3314.3	3042.9
35°	6482.9	6792.1	6957.7	7015.3	6957.7	6792.1	6482.9	5981.1	5309.3	4606.4	4110.9
32.5°	9951.2	10521.5	10836.9	11080.6	10836.9	10521.5	9951.2	9015.6	7813.2	6699.1	5770.1
30°	14243.4	14994.6	15411.8	15615.6	15411.8	14994.6	14243.4	13021.6	11478.5	9912.7	8226.2
27.5°	18643.5	19497.5	19947.3	19923.1	19947.3	19497.5	18643.5	17302.4	15684.4	13744.4	11561.9
25°	23001.0	23990.2	24438.4	24839.6	24438.4	23990.2	23001.0	21468.4	19680.7	17649.6	15302.6
22.5°	27408.2	28564.9	29196.1	29492.0	29196.1	28564.9	27408.2	25695.1	23760.0	21498.3	18994.7
20°	31762.9	33050.5	33720.6	34012.3	33720.6	33050.5	31762.9	30082.0	27900.9	25336.5	22579.8
17.5°	35625.0	36882.0	37520.7	37791.4	37520.7	36882.0	35625.0	34082.4	31803.6	29090.1	25962.5
15°	38708.9	39636.1	40179.2	40323.1	40179.2	39636.1	38708.9	37383.1	35240.7	32456.6	29205.0
12.5°	40840.7	41199.8	41461.0	41541.2	41461.0	41199.8	40840.7	39734.8	38067.0	35313.5	32004.4
10°	41930.5	41768.5	41701.5	41710.0	41701.5	41768.5	41930.5	41121.8	39700.6	37510.2	34437.9
7.5°	41855.6	41615.6	41133.6	41056.9	41133.6	41615.6	41855.6	41666.7	40677.2	38848.0	36015.2
5°	41254.2	40817.3	40017.3	39787.4	40017.3	40817.3	41254.2	41328.5	40831.7	39472.8	37024.5
2.5°	40553.3	39765.7	39028.8	38554.6	39028.8	39765.7	40553.3	40880.9	40795.4	39894.6	37817.4
0°	40345.1	39435.2	38481.2	38173.0	38481.2	39435.2	40345.1	40778.1	40792.7	40051.6	38143.7
-2.5°	40553.3	39765.7	39028.8	38554.6	39028.8	39765.7	40553.3	40880.9	40795.4	39894.6	37817.4
-5°	41254.2	40817.3	40017.3	39787.4	40017.3	40817.3	41254.2	41328.5	40831.7	39472.8	37024.5
-7.5°	41855.6	41615.6	41133.6	41056.9	41133.6	41615.6	41855.6	41666.7	40677.2	38848.0	36015.2
-10°	41930.5	41768.5	41701.5	41710.0	41701.5	41768.5	41930.5	41121.8	39700.6	37510.2	34437.9
-12.5°	40840.7	41199.8	41461.0	41541.2	41461.0	41199.8	40840.7	39734.8	38067.0	35313.5	32004.4
-15°	38708.9	39636.1	40179.2	40323.1	40179.2	39636.1	38708.9	37383.1	35240.7	32456.6	29205.0
-17.5°	35625.0	36882.0	37520.7	37791.4	37520.7	36882.0	35625.0	34082.4	31803.6	29090.1	25962.5
-20°	31762.9	33050.5	33720.6	34012.3	33720.6	33050.5	31762.9	30082.0	27900.9	25336.5	22579.8



REPORT NUMBER: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	27408.2	28564.9	29196.1	29492.0	29196.1	28564.9	27408.2	25695.1	23760.0	21498.3	18994.7
-25°	23001.0	23990.2	24438.4	24839.6	24438.4	23990.2	23001.0	21468.4	19680.7	17649.6	15302.6
-27.5°	18643.5	19497.5	19947.3	19923.1	19947.3	19497.5	18643.5	17302.4	15684.4	13744.4	11561.9
-30°	14243.4	14994.6	15411.8	15615.6	15411.8	14994.6	14243.4	13021.6	11478.5	9912.7	8226.2
-32.5°	9951.2	10521.5	10836.9	11080.6	10836.9	10521.5	9951.2	9015.6	7813.2	6699.1	5770.1
-35°	6482.9	6792.1	6957.7	7015.3	6957.7	6792.1	6482.9	5981.1	5309.3	4606.4	4110.9
-37.5°	4320.9	4458.4	4530.7	4593.7	4530.7	4458.4	4320.9	4081.6	3731.1	3314.3	3042.9
-40°	3072.8	3143.6	3182.8	3214.1	3182.8	3143.6	3072.8	2953.6	2774.6	2557.9	2386.6
-42.5°	2362.3	2406.2	2426.9	2421.6	2426.9	2406.2	2362.3	2297.7	2205.9	2092.3	1980.6
-45°	1936.2	1955.8	1969.7	1981.3	1969.7	1955.8	1936.2	1903.3	1851.8	1787.0	1715.6
-47.5°	1660.0	1669.8	1676.4	1680.4	1676.4	1669.8	1660.0	1642.4	1614.7	1577.3	1532.7
-50°	1475.8	1477.6	1477.5	1475.0	1477.5	1477.6	1475.8	1469.4	1456.9	1437.1	1413.2
-52.5°	1357.3	1355.5	1353.4	1350.2	1353.4	1355.5	1357.3	1356.3	1351.4	1340.0	1326.0
-55°	1272.2	1268.6	1265.6	1262.2	1265.6	1268.6	1272.2	1273.2	1271.3	1263.6	1253.8
-57.5°	1204.3	1202.2	1199.7	1196.1	1199.7	1202.2	1204.3	1204.4	1202.2	1196.7	1189.3
-60°	1141.2	1142.2	1140.7	1137.4	1140.7	1142.2	1141.2	1137.7	1131.3	1123.9	1115.5
-62.5°	1060.9	1066.7	1067.0	1064.0	1067.0	1066.7	1060.9	1052.8	1042.4	1033.2	1023.2
-65°	959.4	964.4	967.5	968.6	967.5	964.4	959.4	952.7	944.3	935.0	923.3
-67.5°	859.0	862.0	861.5	858.6	861.5	862.0	859.0	854.5	848.5	839.2	825.4
-70°	747.0	745.7	747.6	748.5	747.6	745.7	747.0	746.4	743.8	736.9	724.7
-72.5°	635.8	635.7	634.2	631.1	634.2	635.7	635.8	634.4	631.4	626.5	618.8
-75°	526.3	525.8	524.1	521.0	524.1	525.8	526.3	525.6	523.7	520.3	513.4
-77.5°	412.2	409.2	410.4	410.9	410.4	409.2	412.2	414.0	414.4	412.7	405.4
-80°	306.7	306.8	304.2	300.9	304.2	306.8	306.7	305.9	304.1	301.4	296.3
-82.5°	210.4	211.7	208.9	205.5	208.9	211.7	210.4	208.6	206.4	203.7	200.2
-85°	117.9	116.8	113.6	110.1	113.6	116.8	117.9	118.6	119.1	119.1	115.3
-87.5°	38.2	36.6	36.7	36.7	36.7	36.6	38.2	39.7	41.2	42.5	40.2
-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: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	37.9	35.6	33.3	34.2	35.0	35.6	36.0	34.9	33.7	32.4	31.1
85°	111.2	106.9	102.3	101.0	99.5	97.6	95.5	91.3	86.9	82.2	77.4
82.5°	196.1	191.3	186.0	182.3	178.1	173.4	168.0	160.0	151.8	143.5	135.1
80°	290.5	283.9	276.9	270.8	264.0	256.4	247.7	235.2	222.1	209.1	197.0
77.5°	397.0	387.6	377.4	367.0	356.1	344.6	331.8	315.9	300.0	283.2	266.3
75°	505.0	495.0	483.1	469.3	454.3	438.1	420.9	401.8	381.7	360.7	339.5
72.5°	609.6	599.0	586.8	572.1	554.9	535.9	514.7	491.3	466.7	441.0	415.8
70°	711.7	698.0	685.8	673.2	657.1	637.6	612.5	584.4	554.8	525.0	495.8
67.5°	810.0	792.8	780.8	769.2	754.5	736.6	710.6	680.3	647.2	612.5	577.9
65°	907.9	888.7	876.7	866.1	852.0	834.0	806.6	775.9	741.0	702.3	662.2
62.5°	1010.3	994.5	981.3	965.9	949.1	929.1	901.5	869.3	834.1	793.5	746.9
60°	1105.8	1094.2	1073.6	1054.4	1037.5	1016.5	983.8	952.8	924.0	877.4	827.3
57.5°	1180.2	1166.5	1147.4	1127.5	1107.1	1080.1	1050.9	1021.6	988.2	948.9	902.3
55°	1241.9	1226.9	1209.0	1189.5	1167.4	1137.3	1107.1	1075.8	1043.6	1010.8	965.4
52.5°	1309.8	1293.3	1272.2	1246.3	1220.9	1191.3	1157.5	1124.3	1094.1	1060.6	1023.4
50°	1390.4	1370.4	1346.2	1318.7	1284.6	1247.7	1212.3	1173.5	1141.9	1109.2	1071.3
47.5°	1498.9	1465.6	1429.9	1397.3	1355.3	1310.8	1269.9	1230.0	1192.7	1157.4	1118.6
45°	1661.8	1599.2	1531.8	1486.8	1433.4	1382.7	1330.2	1285.2	1242.4	1202.7	1166.4
42.5°	1895.7	1796.2	1704.1	1614.6	1529.0	1466.7	1401.4	1345.4	1293.7	1246.6	1204.0
40°	2233.6	2061.8	1935.2	1793.9	1679.0	1569.1	1485.7	1409.7	1349.7	1293.7	1242.0
37.5°	2743.7	2459.8	2249.2	2028.6	1868.5	1715.8	1587.2	1488.1	1406.8	1341.9	1281.7
35°	3533.0	3090.2	2695.4	2383.3	2099.9	1898.8	1719.0	1580.3	1476.2	1391.3	1321.1
32.5°	4766.7	4064.0	3347.2	2886.0	2448.5	2120.0	1888.9	1697.9	1550.5	1449.5	1365.0
30°	6685.2	5446.5	4392.1	3531.6	2931.5	2429.7	2078.0	1844.4	1655.8	1508.4	1409.5
27.5°	9470.1	7299.6	5824.5	4483.4	3515.2	2856.0	2351.9	2001.2	1766.6	1590.8	1460.7
25°	12720.8	10122.7	7596.6	5783.0	4357.2	3337.9	2671.8	2220.7	1903.8	1676.7	1505.7
22.5°	16147.0	13100.4	10072.8	7248.5	5401.8	4042.8	3084.9	2442.1	2033.3	1768.2	1571.0
20°	19546.5	16106.4	12657.1	9427.4	6673.5	4732.9	3534.2	2736.0	2214.2	1870.7	1633.0
17.5°	22670.7	19056.7	15277.5	11543.5	8239.9	5782.3	4103.7	3033.1	2371.9	1961.8	1686.7
15°	25629.3	21813.9	17827.4	13788.5	9914.0	6706.6	4588.9	3292.0	2536.0	2067.6	1756.8
12.5°	28308.8	24290.0	20095.3	15718.5	11400.4	7742.5	5236.2	3673.5	2737.6	2177.5	1823.0
10°	30647.7	26356.6	21887.3	17340.2	12837.1	8814.9	5848.1	3998.8	2912.2	2268.6	1877.1
7.5°	32327.4	27983.8	23311.1	18651.0	14005.7	9736.6	6368.4	4256.4	3049.3	2338.4	1918.8
5°	33562.6	29252.9	24498.1	19716.2	14873.1	10425.6	6756.9	4437.6	3147.3	2386.6	1947.8
2.5°	34409.7	30055.8	25292.5	20415.0	15376.5	10830.2	7004.4	4534.9	3193.7	2424.5	1963.7
0°	34650.7	30284.5	25492.7	20781.6	15454.1	10882.5	7103.3	4549.6	3192.1	2443.6	1966.6
-2.5°	34409.7	30055.8	25292.5	20415.0	15376.5	10830.2	7004.4	4534.9	3193.7	2424.5	1963.7
-5°	33562.6	29252.9	24498.1	19716.2	14873.1	10425.6	6756.9	4437.6	3147.3	2386.6	1947.8
-7.5°	32327.4	27983.8	23311.1	18651.0	14005.7	9736.6	6368.4	4256.4	3049.3	2338.4	1918.8
-10°	30647.7	26356.6	21887.3	17340.2	12837.1	8814.9	5848.1	3998.8	2912.2	2268.6	1877.1
-12.5°	28308.8	24290.0	20095.3	15718.5	11400.4	7742.5	5236.2	3673.5	2737.6	2177.5	1823.0
-15°	25629.3	21813.9	17827.4	13788.5	9914.0	6706.6	4588.9	3292.0	2536.0	2067.6	1756.8
-17.5°	22670.7	19056.7	15277.5	11543.5	8239.9	5782.3	4103.7	3033.1	2371.9	1961.8	1686.7
-20°	19546.5	16106.4	12657.1	9427.4	6673.5	4732.9	3534.2	2736.0	2214.2	1870.7	1633.0



REPORT NUMBER: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16147.0	13100.4	10072.8	7248.5	5401.8	4042.8	3084.9	2442.1	2033.3	1768.2	1571.0
-25°	12720.8	10122.7	7596.6	5783.0	4357.2	3337.9	2671.8	2220.7	1903.8	1676.7	1505.7
-27.5°	9470.1	7299.6	5824.5	4483.4	3515.2	2856.0	2351.9	2001.2	1766.6	1590.8	1460.7
-30°	6685.2	5446.5	4392.1	3531.6	2931.5	2429.7	2078.0	1844.4	1655.8	1508.4	1409.5
-32.5°	4766.7	4064.0	3347.2	2886.0	2448.5	2120.0	1888.9	1697.9	1550.5	1449.5	1365.0
-35°	3533.0	3090.2	2695.4	2383.3	2099.9	1898.8	1719.0	1580.3	1476.2	1391.3	1321.1
-37.5°	2743.7	2459.8	2249.2	2028.6	1868.5	1715.8	1587.2	1488.1	1406.8	1341.9	1281.7
-40°	2233.6	2061.8	1935.2	1793.9	1679.0	1569.1	1485.7	1409.7	1349.7	1293.7	1242.0
-42.5°	1895.7	1796.2	1704.1	1614.6	1529.0	1466.7	1401.4	1345.4	1293.7	1246.6	1204.0
-45°	1661.8	1599.2	1531.8	1486.8	1433.4	1382.7	1330.2	1285.2	1242.4	1202.7	1166.4
-47.5°	1498.9	1465.6	1429.9	1397.3	1355.3	1310.8	1269.9	1230.0	1192.7	1157.4	1118.6
-50°	1390.4	1370.4	1346.2	1318.7	1284.6	1247.7	1212.3	1173.5	1141.9	1109.2	1071.3
-52.5°	1309.8	1293.3	1272.2	1246.3	1220.9	1191.3	1157.5	1124.3	1094.1	1060.6	1023.4
-55°	1241.9	1226.9	1209.0	1189.5	1167.4	1137.3	1107.1	1075.8	1043.6	1010.8	965.4
-57.5°	1180.2	1166.5	1147.4	1127.5	1107.1	1080.1	1050.9	1021.6	988.2	948.9	902.3
-60°	1105.8	1094.2	1073.6	1054.4	1037.5	1016.5	983.8	952.8	924.0	877.4	827.3
-62.5°	1010.3	994.5	981.3	965.9	949.1	929.1	901.5	869.3	834.1	793.5	746.9
-65°	907.9	888.7	876.7	866.1	852.0	834.0	806.6	775.9	741.0	702.3	662.2
-67.5°	810.0	792.8	780.8	769.2	754.5	736.6	710.6	680.3	647.2	612.5	577.9
-70°	711.7	698.0	685.8	673.2	657.1	637.6	612.5	584.4	554.8	525.0	495.8
-72.5°	609.6	599.0	586.8	572.1	554.9	535.9	514.7	491.3	466.7	441.0	415.8
-75°	505.0	495.0	483.1	469.3	454.3	438.1	420.9	401.8	381.7	360.7	339.5
-77.5°	397.0	387.6	377.4	367.0	356.1	344.6	331.8	315.9	300.0	283.2	266.3
-80°	290.5	283.9	276.9	270.8	264.0	256.4	247.7	235.2	222.1	209.1	197.0
-82.5°	196.1	191.3	186.0	182.3	178.1	173.4	168.0	160.0	151.8	143.5	135.1
-85°	111.2	106.9	102.3	101.0	99.5	97.6	95.5	91.3	86.9	82.2	77.4
-87.5°	37.9	35.6	33.3	34.2	35.0	35.6	36.0	34.9	33.7	32.4	31.1
-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: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-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°	29.7	28.3	26.8	25.2	23.6	22.0	20.3	18.6	16.1	13.8	11.6
85°	72.3	67.0	61.5	55.8	49.8	44.0	40.6	37.1	32.2	27.5	23.1
82.5°	126.8	118.7	110.4	101.8	91.9	82.2	72.7	63.3	53.0	42.0	34.6
80°	185.9	174.3	162.3	149.7	135.3	120.2	106.9	94.1	81.5	68.1	53.9
77.5°	250.1	233.2	215.7	199.7	183.1	165.3	146.5	126.9	109.9	94.0	77.2
75°	318.6	298.1	277.1	255.4	233.1	210.4	188.8	166.2	143.5	120.4	100.4
72.5°	391.3	365.9	339.6	312.7	286.7	259.9	232.6	205.2	178.8	151.9	124.6
70°	466.0	435.0	404.3	374.0	342.2	309.2	278.0	245.8	213.6	182.9	151.9
67.5°	542.2	507.3	471.2	435.5	400.2	363.0	323.8	286.1	249.5	213.6	178.8
65°	622.4	581.1	538.7	498.1	457.7	417.2	374.3	327.4	284.7	244.5	205.2
62.5°	701.2	656.1	608.6	560.2	514.2	469.3	423.8	371.6	320.1	274.7	231.3
60°	777.6	727.1	675.9	622.5	570.1	519.8	469.3	414.7	358.5	304.1	256.7
57.5°	847.7	794.7	737.5	681.2	624.8	569.0	513.2	455.3	395.8	336.0	281.4
55°	913.5	855.7	796.1	735.2	676.0	616.7	556.0	494.2	431.7	367.8	305.6
52.5°	975.2	914.9	851.6	786.9	722.9	661.6	597.6	532.1	465.7	398.5	332.2
50°	1029.2	972.4	905.5	837.2	767.8	703.1	638.0	568.7	498.7	428.0	358.1
47.5°	1074.5	1022.4	957.7	885.9	812.8	743.7	675.8	604.2	530.5	456.2	383.0
45°	1118.9	1068.6	1006.0	932.7	857.3	784.2	712.2	638.2	561.1	483.4	406.8
42.5°	1160.5	1110.2	1051.8	977.7	899.8	823.2	747.6	670.4	590.4	509.3	429.4
40°	1195.8	1146.7	1094.8	1020.9	939.9	860.0	781.2	701.4	618.4	534.0	450.8
37.5°	1230.3	1179.9	1126.5	1061.6	977.5	894.5	812.7	731.2	645.4	558.0	471.0
35°	1263.7	1211.6	1154.9	1093.2	1012.5	926.7	842.2	758.9	670.7	580.7	489.8
32.5°	1293.5	1239.9	1181.1	1118.8	1044.7	956.5	869.4	783.3	694.2	602.3	507.3
30°	1329.0	1263.8	1204.7	1144.0	1072.3	983.7	894.6	806.1	715.9	622.7	523.8
27.5°	1362.9	1286.7	1225.8	1164.9	1093.9	1008.4	918.0	827.1	735.6	641.2	540.1
25°	1395.7	1312.9	1245.4	1182.4	1114.7	1032.1	939.5	846.4	753.1	657.4	555.1
22.5°	1433.5	1336.9	1263.7	1197.6	1134.5	1053.4	958.9	863.9	768.6	671.8	568.9
20°	1467.2	1356.6	1280.6	1211.9	1149.4	1069.5	976.2	879.4	782.5	684.6	581.3
17.5°	1499.9	1379.1	1297.1	1225.7	1160.5	1083.7	991.4	893.1	794.6	695.7	592.3
15°	1545.5	1404.8	1311.5	1237.4	1169.9	1095.7	1004.4	904.8	805.0	705.2	602.2
12.5°	1584.6	1426.3	1323.3	1247.1	1177.6	1105.7	1015.1	914.4	813.6	713.5	611.0
10°	1616.2	1443.5	1332.5	1254.5	1183.4	1113.5	1023.7	922.6	821.7	720.8	618.2
7.5°	1640.3	1456.4	1339.1	1259.8	1187.5	1119.2	1031.5	929.9	828.2	726.5	623.8
5°	1656.7	1464.8	1344.7	1262.8	1189.8	1122.7	1037.3	935.1	832.8	730.5	627.9
2.5°	1665.2	1468.5	1348.8	1263.6	1190.2	1123.8	1040.8	938.3	835.6	733.0	630.3
0°	1665.8	1467.6	1350.2	1262.2	1188.8	1122.7	1042.0	939.3	836.5	733.8	631.1
-2.5°	1665.2	1468.5	1348.8	1263.6	1190.2	1123.8	1040.8	938.3	835.6	733.0	630.3
-5°	1656.7	1464.8	1344.7	1262.8	1189.8	1122.7	1037.3	935.1	832.8	730.5	627.9
-7.5°	1640.3	1456.4	1339.1	1259.8	1187.5	1119.2	1031.5	929.9	828.2	726.5	623.8
-10°	1616.2	1443.5	1332.5	1254.5	1183.4	1113.5	1023.7	922.6	821.7	720.8	618.2
-12.5°	1584.6	1426.3	1323.3	1247.1	1177.6	1105.7	1015.1	914.4	813.6	713.5	611.0
-15°	1545.5	1404.8	1311.5	1237.4	1169.9	1095.7	1004.4	904.8	805.0	705.2	602.2
-17.5°	1499.9	1379.1	1297.1	1225.7	1160.5	1083.7	991.4	893.1	794.6	695.7	592.3
-20°	1467.2	1356.6	1280.6	1211.9	1149.4	1069.5	976.2	879.4	782.5	684.6	581.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	1433.5	1336.9	1263.7	1197.6	1134.5	1053.4	958.9	863.9	768.6	671.8	568.9
-25°	1395.7	1312.9	1245.4	1182.4	1114.7	1032.1	939.5	846.4	753.1	657.4	555.1
-27.5°	1362.9	1286.7	1225.8	1164.9	1093.9	1008.4	918.0	827.1	735.6	641.2	540.1
-30°	1329.0	1263.8	1204.7	1144.0	1072.3	983.7	894.6	806.1	715.9	622.7	523.8
-32.5°	1293.5	1239.9	1181.1	1118.8	1044.7	956.5	869.4	783.3	694.2	602.3	507.3
-35°	1263.7	1211.6	1154.9	1093.2	1012.5	926.7	842.2	758.9	670.7	580.7	489.8
-37.5°	1230.3	1179.9	1126.5	1061.6	977.5	894.5	812.7	731.2	645.4	558.0	471.0
-40°	1195.8	1146.7	1094.8	1020.9	939.9	860.0	781.2	701.4	618.4	534.0	450.8
-42.5°	1160.5	1110.2	1051.8	977.7	899.8	823.2	747.6	670.4	590.4	509.3	429.4
-45°	1118.9	1068.6	1006.0	932.7	857.3	784.2	712.2	638.2	561.1	483.4	406.8
-47.5°	1074.5	1022.4	957.7	885.9	812.8	743.7	675.8	604.2	530.5	456.2	383.0
-50°	1029.2	972.4	905.5	837.2	767.8	703.1	638.0	568.7	498.7	428.0	358.1
-52.5°	975.2	914.9	851.6	786.9	722.9	661.6	597.6	532.1	465.7	398.5	332.2
-55°	913.5	855.7	796.1	735.2	676.0	616.7	556.0	494.2	431.7	367.8	305.6
-57.5°	847.7	794.7	737.5	681.2	624.8	569.0	513.2	455.3	395.8	336.0	281.4
-60°	777.6	727.1	675.9	622.5	570.1	519.8	469.3	414.7	358.5	304.1	256.7
-62.5°	701.2	656.1	608.6	560.2	514.2	469.3	423.8	371.6	320.1	274.7	231.3
-65°	622.4	581.1	538.7	498.1	457.7	417.2	374.3	327.4	284.7	244.5	205.2
-67.5°	542.2	507.3	471.2	435.5	400.2	363.0	323.8	286.1	249.5	213.6	178.8
-70°	466.0	435.0	404.3	374.0	342.2	309.2	278.0	245.8	213.6	182.9	151.9
-72.5°	391.3	365.9	339.6	312.7	286.7	259.9	232.6	205.2	178.8	151.9	124.6
-75°	318.6	298.1	277.1	255.4	233.1	210.4	188.8	166.2	143.5	120.4	100.4
-77.5°	250.1	233.2	215.7	199.7	183.1	165.3	146.5	126.9	109.9	94.0	77.2
-80°	185.9	174.3	162.3	149.7	135.3	120.2	106.9	94.1	81.5	68.1	53.9
-82.5°	126.8	118.7	110.4	101.8	91.9	82.2	72.7	63.3	53.0	42.0	34.6
-85°	72.3	67.0	61.5	55.8	49.8	44.0	40.6	37.1	32.2	27.5	23.1
-87.5°	29.7	28.3	26.8	25.2	23.6	22.0	20.3	18.6	16.1	13.8	11.6
-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: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-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°	9.5	7.9	6.4	4.8	3.2	1.6	0.0
85°	19.0	15.9	12.7	9.6	6.4	3.2	0.0
82.5°	28.4	23.8	19.1	14.3	9.6	4.8	0.0
80°	39.2	31.6	25.4	19.1	12.7	6.4	0.0
77.5°	59.7	42.7	31.6	23.8	15.9	7.9	0.0
75°	80.0	59.7	39.2	28.4	19.0	9.5	0.0
72.5°	100.1	76.5	52.6	33.0	22.0	11.0	0.0
70°	120.4	93.0	65.9	38.6	25.1	12.5	0.0
67.5°	143.3	109.4	79.0	48.4	28.1	14.0	0.0
65°	165.7	126.6	91.9	58.1	31.0	15.5	0.0
62.5°	187.6	144.6	104.5	67.5	33.9	16.9	0.0
60°	209.0	162.2	116.8	76.8	36.7	18.3	0.0
57.5°	230.3	179.3	130.2	85.8	42.6	19.7	0.0
55°	251.3	195.8	143.3	94.6	48.3	21.0	0.0
52.5°	271.7	212.0	156.0	103.1	53.9	22.3	0.0
50°	291.6	228.6	168.1	111.4	59.2	23.6	0.0
47.5°	311.2	244.8	179.8	119.5	64.3	24.8	0.0
45°	331.5	260.4	191.0	127.8	69.2	25.9	0.0
42.5°	350.9	275.4	201.6	135.8	73.8	27.1	0.0
40°	369.2	289.9	212.4	143.2	78.2	28.1	0.0
37.5°	386.5	303.7	223.4	150.0	82.3	29.1	0.0
35°	402.7	317.1	233.8	156.5	86.2	30.1	0.0
32.5°	417.8	329.8	243.5	162.5	89.8	30.9	0.0
30°	431.8	341.5	252.7	168.1	93.1	31.8	0.0
27.5°	444.6	352.4	260.9	173.3	96.1	32.6	0.0
25°	456.3	362.3	268.3	177.9	98.8	33.3	0.0
22.5°	466.7	371.0	275.0	182.2	101.3	33.9	0.0
20°	476.0	378.5	280.9	185.9	103.4	34.5	0.0
17.5°	484.4	385.0	286.1	189.2	105.3	35.0	0.0
15°	491.9	390.6	290.6	191.9	106.9	35.4	0.0
12.5°	498.4	395.2	294.3	194.2	108.1	35.8	0.0
10°	503.8	398.9	297.2	196.0	109.1	36.1	0.0
7.5°	508.1	401.6	299.3	197.3	109.8	36.4	0.0
5°	511.2	403.2	300.6	198.1	110.2	36.6	0.0
2.5°	513.1	403.9	301.1	198.3	110.3	36.7	0.0
0°	513.7	403.6	300.9	198.1	110.1	36.7	0.0
-2.5°	513.1	403.9	301.1	198.3	110.3	36.7	0.0
-5°	511.2	403.2	300.6	198.1	110.2	36.6	0.0
-7.5°	508.1	401.6	299.3	197.3	109.8	36.4	0.0
-10°	503.8	398.9	297.2	196.0	109.1	36.1	0.0
-12.5°	498.4	395.2	294.3	194.2	108.1	35.8	0.0
-15°	491.9	390.6	290.6	191.9	106.9	35.4	0.0
-17.5°	484.4	385.0	286.1	189.2	105.3	35.0	0.0
-20°	476.0	378.5	280.9	185.9	103.4	34.5	0.0

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REPORT NUMBER: P627687 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	466.7	371.0	275.0	182.2	101.3	33.9	0.0
-25°	456.3	362.3	268.3	177.9	98.8	33.3	0.0
-27.5°	444.6	352.4	260.9	173.3	96.1	32.6	0.0
-30°	431.8	341.5	252.7	168.1	93.1	31.8	0.0
-32.5°	417.8	329.8	243.5	162.5	89.8	30.9	0.0
-35°	402.7	317.1	233.8	156.5	86.2	30.1	0.0
-37.5°	386.5	303.7	223.4	150.0	82.3	29.1	0.0
-40°	369.2	289.9	212.4	143.2	78.2	28.1	0.0
-42.5°	350.9	275.4	201.6	135.8	73.8	27.1	0.0
-45°	331.5	260.4	191.0	127.8	69.2	25.9	0.0
-47.5°	311.2	244.8	179.8	119.5	64.3	24.8	0.0
-50°	291.6	228.6	168.1	111.4	59.2	23.6	0.0
-52.5°	271.7	212.0	156.0	103.1	53.9	22.3	0.0
-55°	251.3	195.8	143.3	94.6	48.3	21.0	0.0
-57.5°	230.3	179.3	130.2	85.8	42.6	19.7	0.0
-60°	209.0	162.2	116.8	76.8	36.7	18.3	0.0
-62.5°	187.6	144.6	104.5	67.5	33.9	16.9	0.0
-65°	165.7	126.6	91.9	58.1	31.0	15.5	0.0
-67.5°	143.3	109.4	79.0	48.4	28.1	14.0	0.0
-70°	120.4	93.0	65.9	38.6	25.1	12.5	0.0
-72.5°	100.1	76.5	52.6	33.0	22.0	11.0	0.0
-75°	80.0	59.7	39.2	28.4	19.0	9.5	0.0
-77.5°	59.7	42.7	31.6	23.8	15.9	7.9	0.0
-80°	39.2	31.6	25.4	19.1	12.7	6.4	0.0
-82.5°	28.4	23.8	19.1	14.3	9.6	4.8	0.0
-85°	19.0	15.9	12.7	9.6	6.4	3.2	0.0
-87.5°	9.5	7.9	6.4	4.8	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)