

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: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-750-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627657 (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-SA5C-750-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N128
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

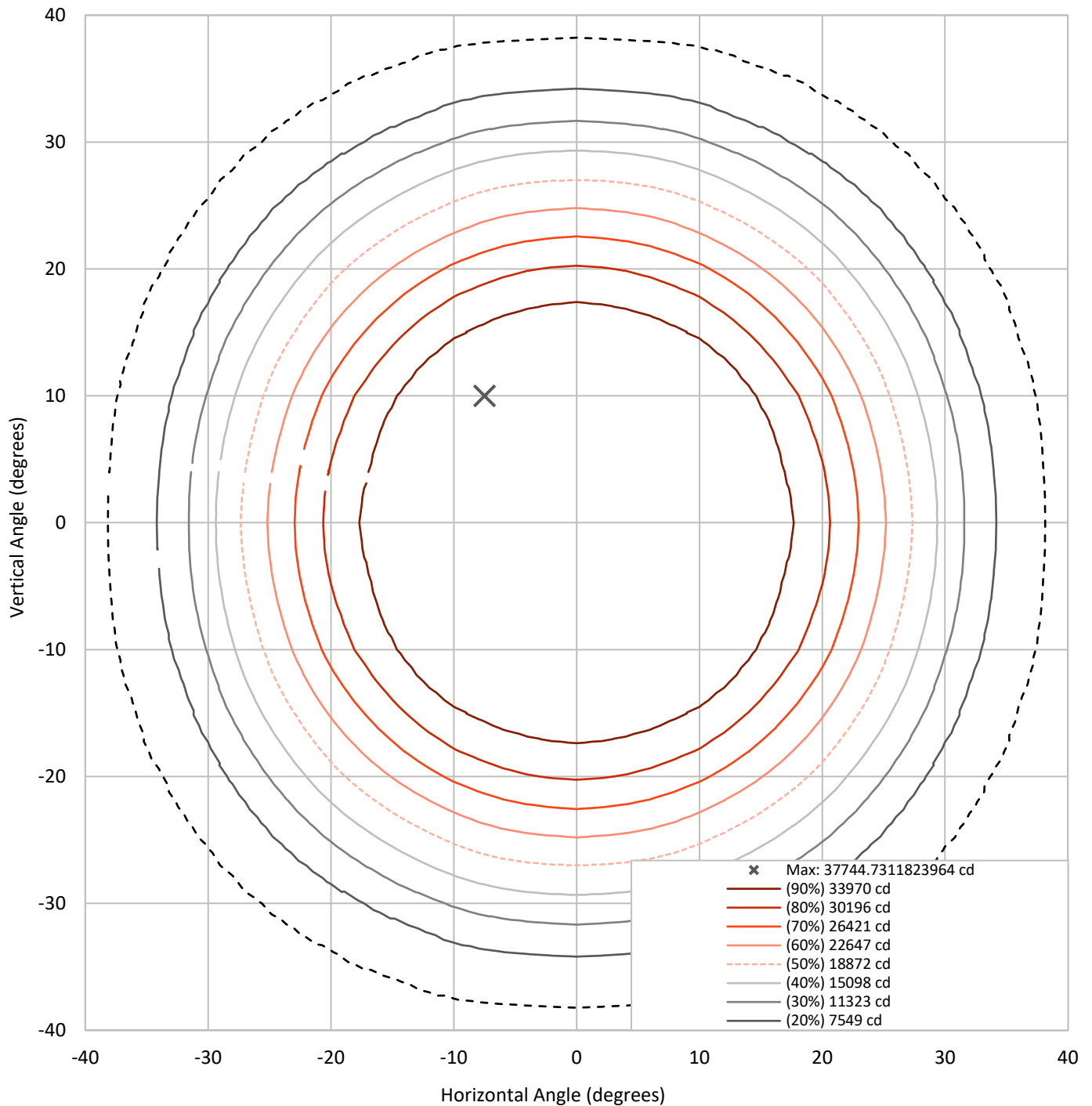
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	32124.3 lumens	Max Intensity:	37744.7 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	155.9 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:	21322.2 lumens	Field Lumens:	27725 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	206.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





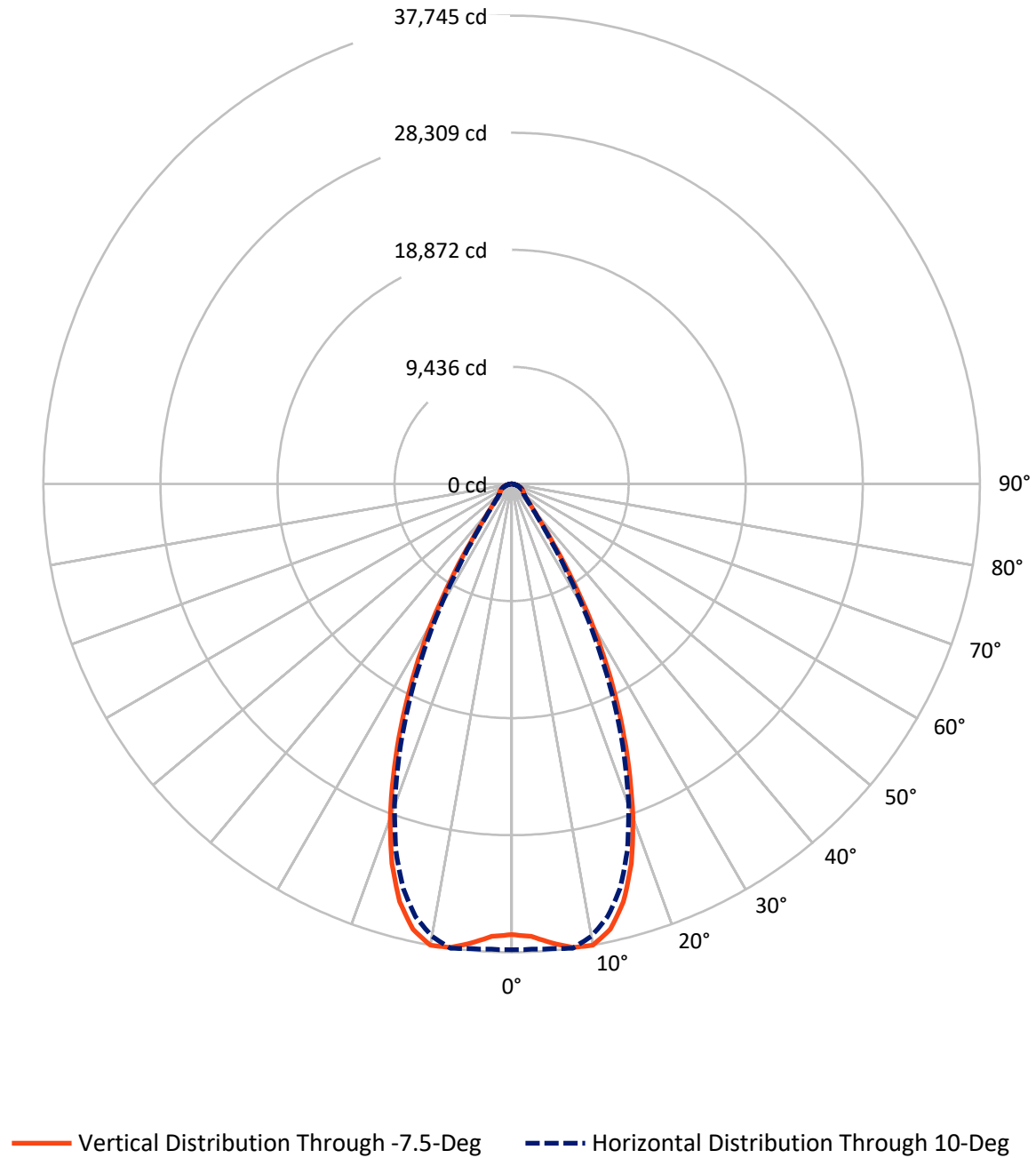
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Lumen Table

90																			
80	0.8	7.5		20.2		31.9		35.6		31.9		20.2		7.5	0.8				
70																			
60	3.4	3.9	7.9	12.9	18.0	21.8	24.7	26.1	26.1	24.7	21.8	18.0	12.9	7.9	3.9	3.4			
50		5.8	11.6	18.5	24.8	30.0	33.6	35.0	35.0	33.6	30.0	24.8	18.5	11.6	5.8				
40	6.0	7.5	14.7	22.5	30.1	39.2	49.4	56.6	56.6	49.4	39.2	30.1	22.5	14.7	7.5	6.0			
30		8.9	17.0	25.9	40.0	73.0	139.7	207.1	207.1	139.7	73.0	40.0	25.9	17.0	8.9				
20	7.8	9.9	18.6	30.2	65.8	206.2	462.7	646.0	646.0	462.7	206.2	65.8	30.2	18.6	9.9	7.8			
10		10.6	19.6	35.9	118.9	439.6	839.6	1050.7	1050.7	839.6	439.6	118.9	35.9	19.6	10.6				
0	8.4	10.9	20.1	40.4	171.2	601.6	1018.5	1108.2	1108.2	1018.5	601.6	171.2	40.4	20.1	10.9	8.4			
-10		10.9	20.1	40.4	171.2	601.6	1018.5	1108.2	1108.2	1018.5	601.6	171.2	40.4	20.1	10.9				
-20	7.8	10.6	19.6	35.9	118.9	439.6	839.6	1050.7	1050.7	839.6	439.6	118.9	35.9	19.6	10.6	7.8			
-30		9.9	18.6	30.2	65.8	206.2	462.7	646.0	646.0	462.7	206.2	65.8	30.2	18.6	9.9				
-40	6.0	8.9	17.0	25.9	40.0	73.0	139.7	207.1	207.1	139.7	73.0	40.0	25.9	17.0	8.9	6.0			
-50		7.5	14.7	22.5	30.1	39.2	49.4	56.6	56.6	49.4	39.2	30.1	22.5	14.7	7.5				
-60	3.4	5.8	11.6	18.5	24.8	30.0	33.6	35.0	35.0	33.6	30.0	24.8	18.5	11.6	5.8	3.4			
-70		3.9	7.9	12.9	18.0	21.8	24.7	26.1	26.1	24.7	21.8	18.0	12.9	7.9	3.9				
-80																			
-90	0.8	7.5		20.2		31.9		35.6		31.9		20.2		7.5	0.8				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

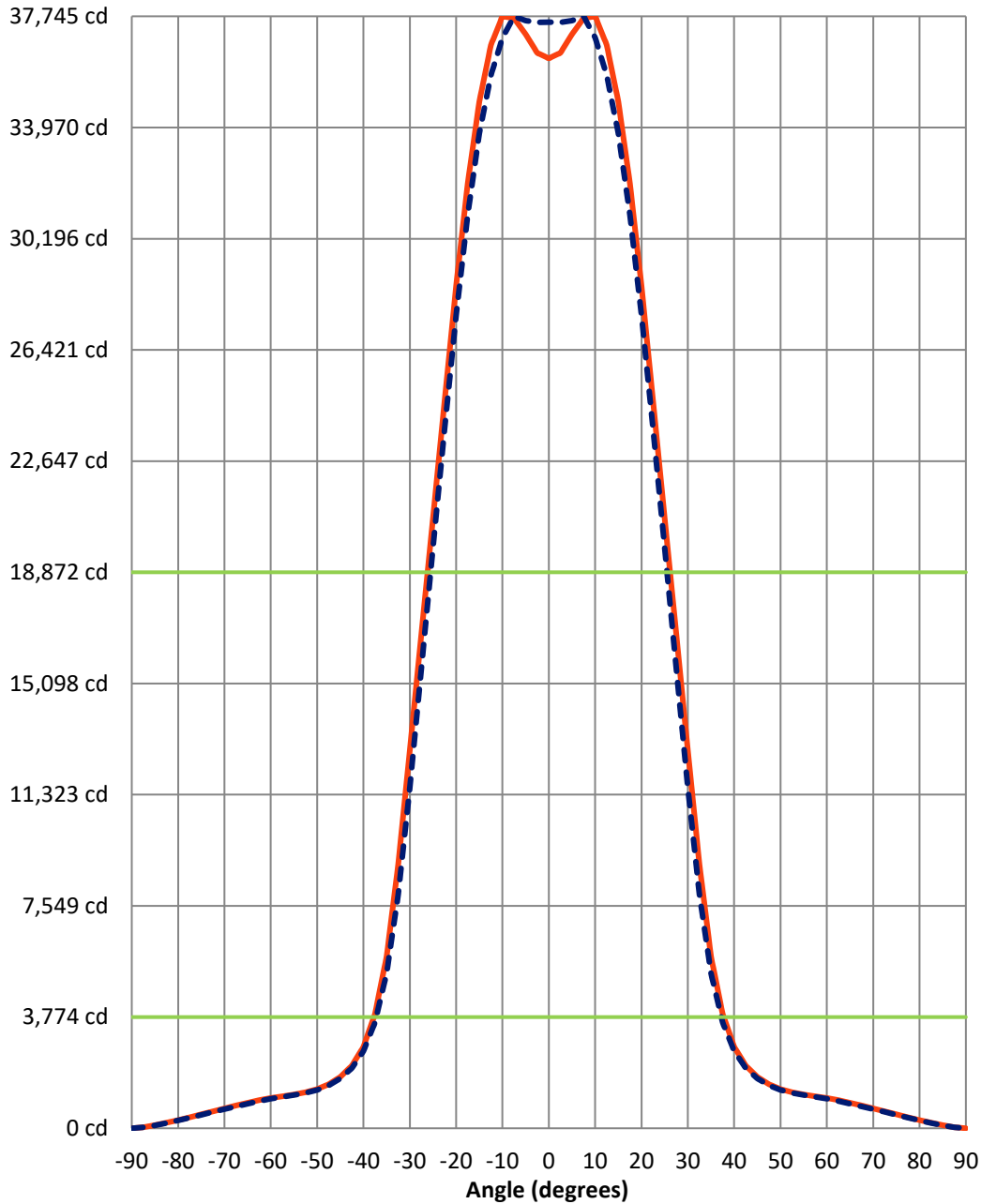
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 21322.2
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 27725
 Efficiency: 86.3%

Spill:
 Lumens: 4399.3
 Efficiency: 13.7%

— Vertical Distribution through -7.5-Deg
 - - Horizontal Distribution through 10-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	10.4	12.4	14.5	16.7
85°	0.0	2.9	5.7	8.6	11.4	14.3	17.1	20.8	24.8	29.0	33.4
82.5°	0.0	4.3	8.6	12.9	17.1	21.4	25.6	31.1	37.8	47.7	57.0
80°	0.0	5.7	11.4	17.1	22.8	28.4	35.2	48.5	61.3	73.4	84.7
77.5°	0.0	7.1	14.3	21.4	28.4	38.4	53.7	69.5	84.7	98.9	114.2
75°	0.0	8.5	17.1	25.6	35.2	53.7	72.0	90.4	108.4	129.2	149.7
72.5°	0.0	9.9	19.8	29.7	47.3	68.8	90.1	112.2	136.7	160.9	184.8
70°	0.0	11.3	22.5	34.7	59.3	83.8	108.4	136.7	164.7	192.3	221.3
67.5°	0.0	12.6	25.2	43.6	71.1	98.5	129.0	160.9	192.3	224.7	257.6
65°	0.0	13.9	27.9	52.3	82.7	114.0	149.2	184.8	220.1	256.3	294.7
62.5°	0.0	15.2	30.4	60.8	94.0	130.2	168.9	208.2	247.3	288.1	334.5
60°	0.0	16.5	33.0	69.1	105.1	146.0	188.1	231.1	273.7	322.7	373.2
57.5°	0.0	17.7	38.3	77.2	117.2	161.4	207.3	253.3	302.4	356.3	409.8
55°	0.0	18.9	43.5	85.2	129.0	176.3	226.2	275.1	331.1	388.6	444.9
52.5°	0.0	20.1	48.4	92.8	140.4	190.8	244.6	299.0	358.7	419.2	479.0
50°	0.0	21.2	53.3	100.3	151.4	205.8	262.5	322.4	385.2	448.9	512.0
47.5°	0.0	22.3	57.9	107.6	161.9	220.4	280.1	344.8	410.6	477.6	543.9
45°	0.0	23.3	62.3	115.1	172.0	234.4	298.4	366.2	435.2	505.1	574.5
42.5°	0.0	24.3	66.4	122.3	181.5	247.9	315.8	386.5	458.5	531.5	603.5
40°	0.0	25.3	70.4	128.9	191.2	260.9	332.3	405.8	480.8	556.7	631.4
37.5°	0.0	26.2	74.1	135.1	201.1	273.3	347.9	424.0	502.3	581.0	658.2
35°	0.0	27.0	77.6	140.9	210.4	285.4	362.5	440.9	522.8	603.8	683.2
32.5°	0.0	27.8	80.8	146.3	219.2	296.8	376.1	456.7	542.2	624.9	705.1
30°	0.0	28.6	83.8	151.4	227.5	307.4	388.7	471.5	560.5	644.4	725.6
27.5°	0.0	29.3	86.5	156.0	234.8	317.2	400.2	486.2	577.2	662.2	744.6
25°	0.0	29.9	89.0	160.2	241.5	326.1	410.7	499.7	591.8	678.0	761.9
22.5°	0.0	30.5	91.2	164.0	247.5	334.0	420.1	512.1	604.8	691.9	777.6
20°	0.0	31.0	93.1	167.4	252.9	340.7	428.5	523.3	616.3	704.4	791.6
17.5°	0.0	31.5	94.8	170.3	257.5	346.6	436.0	533.2	626.3	715.3	803.9
15°	0.0	31.9	96.2	172.8	261.5	351.6	442.8	542.1	634.8	724.7	814.4
12.5°	0.0	32.2	97.3	174.9	264.8	355.8	448.6	550.0	642.3	732.4	823.1
10°	0.0	32.5	98.2	176.5	267.4	359.1	453.5	556.5	648.9	739.7	830.5
7.5°	0.0	32.7	98.8	177.7	269.3	361.5	457.3	561.6	654.0	745.5	837.1
5°	0.0	32.9	99.2	178.4	270.5	363.0	460.1	565.2	657.7	749.7	841.7
2.5°	0.0	33.0	99.3	178.6	271.0	363.6	461.8	567.4	659.9	752.2	844.6
0°	0.0	33.0	99.1	178.4	270.8	363.3	462.4	568.1	660.6	753.0	845.5
-2.5°	0.0	33.0	99.3	178.6	271.0	363.6	461.8	567.4	659.9	752.2	844.6
-5°	0.0	32.9	99.2	178.4	270.5	363.0	460.1	565.2	657.7	749.7	841.7
-7.5°	0.0	32.7	98.8	177.7	269.3	361.5	457.3	561.6	654.0	745.5	837.1
-10°	0.0	32.5	98.2	176.5	267.4	359.1	453.5	556.5	648.9	739.7	830.5
-12.5°	0.0	32.2	97.3	174.9	264.8	355.8	448.6	550.0	642.3	732.4	823.1
-15°	0.0	31.9	96.2	172.8	261.5	351.6	442.8	542.1	634.8	724.7	814.4
-17.5°	0.0	31.5	94.8	170.3	257.5	346.6	436.0	533.2	626.3	715.3	803.9
-20°	0.0	31.0	93.1	167.4	252.9	340.7	428.5	523.3	616.3	704.4	791.6

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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	30.5	91.2	164.0	247.5	334.0	420.1	512.1	604.8	691.9	777.6
-25°	0.0	29.9	89.0	160.2	241.5	326.1	410.7	499.7	591.8	678.0	761.9
-27.5°	0.0	29.3	86.5	156.0	234.8	317.2	400.2	486.2	577.2	662.2	744.6
-30°	0.0	28.6	83.8	151.4	227.5	307.4	388.7	471.5	560.5	644.4	725.6
-32.5°	0.0	27.8	80.8	146.3	219.2	296.8	376.1	456.7	542.2	624.9	705.1
-35°	0.0	27.0	77.6	140.9	210.4	285.4	362.5	440.9	522.8	603.8	683.2
-37.5°	0.0	26.2	74.1	135.1	201.1	273.3	347.9	424.0	502.3	581.0	658.2
-40°	0.0	25.3	70.4	128.9	191.2	260.9	332.3	405.8	480.8	556.7	631.4
-42.5°	0.0	24.3	66.4	122.3	181.5	247.9	315.8	386.5	458.5	531.5	603.5
-45°	0.0	23.3	62.3	115.1	172.0	234.4	298.4	366.2	435.2	505.1	574.5
-47.5°	0.0	22.3	57.9	107.6	161.9	220.4	280.1	344.8	410.6	477.6	543.9
-50°	0.0	21.2	53.3	100.3	151.4	205.8	262.5	322.4	385.2	448.9	512.0
-52.5°	0.0	20.1	48.4	92.8	140.4	190.8	244.6	299.0	358.7	419.2	479.0
-55°	0.0	18.9	43.5	85.2	129.0	176.3	226.2	275.1	331.1	388.6	444.9
-57.5°	0.0	17.7	38.3	77.2	117.2	161.4	207.3	253.3	302.4	356.3	409.8
-60°	0.0	16.5	33.0	69.1	105.1	146.0	188.1	231.1	273.7	322.7	373.2
-62.5°	0.0	15.2	30.4	60.8	94.0	130.2	168.9	208.2	247.3	288.1	334.5
-65°	0.0	13.9	27.9	52.3	82.7	114.0	149.2	184.8	220.1	256.3	294.7
-67.5°	0.0	12.6	25.2	43.6	71.1	98.5	129.0	160.9	192.3	224.7	257.6
-70°	0.0	11.3	22.5	34.7	59.3	83.8	108.4	136.7	164.7	192.3	221.3
-72.5°	0.0	9.9	19.8	29.7	47.3	68.8	90.1	112.2	136.7	160.9	184.8
-75°	0.0	8.5	17.1	25.6	35.2	53.7	72.0	90.4	108.4	129.2	149.7
-77.5°	0.0	7.1	14.3	21.4	28.4	38.4	53.7	69.5	84.7	98.9	114.2
-80°	0.0	5.7	11.4	17.1	22.8	28.4	35.2	48.5	61.3	73.4	84.7
-82.5°	0.0	4.3	8.6	12.9	17.1	21.4	25.6	31.1	37.8	47.7	57.0
-85°	0.0	2.9	5.7	8.6	11.4	14.3	17.1	20.8	24.8	29.0	33.4
-87.5°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	10.4	12.4	14.5	16.7
-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°	18.3	19.8	21.3	22.7	24.1	25.4	26.7	28.0	29.2	30.3	31.4
85°	36.5	39.6	44.8	50.2	55.3	60.3	65.1	69.6	74.0	78.2	82.2
82.5°	65.4	74.0	82.8	91.6	99.4	106.9	114.2	121.7	129.2	136.7	144.0
80°	96.3	108.2	121.9	134.8	146.2	157.0	167.4	177.4	188.3	199.9	211.7
77.5°	131.9	148.9	164.9	179.8	194.2	210.0	225.2	239.8	255.0	270.0	284.4
75°	170.0	189.5	209.8	229.9	249.5	268.4	286.8	305.6	324.7	343.6	361.6
72.5°	209.4	234.0	258.1	281.5	305.7	329.4	352.2	374.2	396.9	420.1	442.2
70°	250.2	278.3	308.0	336.6	364.0	391.6	419.5	446.3	472.6	499.4	526.0
67.5°	291.5	326.8	360.2	392.0	424.2	456.7	488.1	520.2	551.3	582.6	612.4
65°	336.9	375.5	412.0	448.4	484.9	523.1	560.2	596.1	632.1	667.0	698.4
62.5°	381.4	422.4	462.9	504.3	547.8	590.6	631.2	672.3	714.2	750.8	782.5
60°	422.4	467.9	513.1	560.3	608.4	654.5	700.0	744.7	789.8	831.8	857.7
57.5°	461.9	512.2	562.4	613.2	663.9	715.3	763.1	812.2	854.2	889.6	919.6
55°	500.5	555.1	608.5	661.8	716.6	770.3	822.3	869.0	909.9	939.4	968.5
52.5°	538.0	595.6	650.7	708.4	766.6	823.6	877.9	921.2	954.7	984.9	1012.0
50°	574.3	632.9	691.2	753.7	815.1	875.4	926.5	964.4	998.5	1027.9	1056.3
47.5°	608.4	669.5	731.7	797.4	862.1	920.4	967.3	1007.0	1041.9	1073.6	1107.2
45°	641.1	706.0	771.8	839.6	905.6	961.9	1007.2	1050.0	1082.6	1118.4	1156.9
42.5°	673.0	741.0	810.0	880.0	946.8	999.4	1044.6	1083.8	1122.1	1164.6	1211.1
40°	703.2	774.1	846.1	919.0	985.5	1032.2	1076.4	1118.0	1164.6	1215.0	1268.9
37.5°	731.6	805.2	879.9	955.6	1014.1	1062.2	1107.4	1153.8	1207.9	1266.4	1339.6
35°	758.1	834.2	911.4	984.1	1039.7	1090.6	1137.5	1189.2	1252.5	1328.8	1422.6
32.5°	782.6	860.9	940.4	1007.2	1063.2	1116.1	1164.3	1228.8	1304.8	1395.7	1528.4
30°	805.3	885.5	965.2	1029.8	1084.4	1137.6	1196.3	1268.9	1357.8	1490.5	1660.3
27.5°	826.3	907.7	984.7	1048.6	1103.4	1158.2	1226.9	1314.9	1432.0	1590.3	1801.4
25°	845.6	929.0	1003.4	1064.4	1121.1	1181.8	1256.4	1355.4	1509.3	1713.7	1999.0
22.5°	863.1	948.2	1021.2	1078.0	1137.5	1203.4	1290.4	1414.2	1591.6	1830.3	2198.3
20°	878.7	962.8	1034.6	1090.9	1152.8	1221.2	1320.7	1470.0	1683.9	1993.1	2462.9
17.5°	892.4	975.5	1044.6	1103.3	1167.6	1241.4	1350.2	1518.3	1766.0	2135.2	2730.3
15°	904.1	986.4	1053.1	1113.9	1180.5	1264.5	1391.2	1581.4	1861.2	2282.9	2963.3
12.5°	913.8	995.3	1060.0	1122.6	1191.2	1283.9	1426.4	1641.0	1960.2	2464.4	3306.7
10°	921.5	1002.4	1065.3	1129.3	1199.5	1299.4	1454.9	1689.7	2042.2	2621.5	3599.7
7.5°	928.6	1007.5	1069.0	1134.0	1205.5	1310.9	1476.6	1727.2	2105.0	2744.9	3831.5
5°	933.8	1010.7	1071.0	1136.8	1210.4	1318.5	1491.3	1753.3	2148.4	2833.2	3994.6
2.5°	936.9	1011.7	1071.4	1137.5	1214.1	1321.9	1499.0	1767.7	2182.5	2874.9	4082.3
0°	938.0	1010.7	1070.1	1136.2	1215.4	1321.1	1499.5	1770.3	2199.7	2873.4	4095.5
-2.5°	936.9	1011.7	1071.4	1137.5	1214.1	1321.9	1499.0	1767.7	2182.5	2874.9	4082.3
-5°	933.8	1010.7	1071.0	1136.8	1210.4	1318.5	1491.3	1753.3	2148.4	2833.2	3994.6
-7.5°	928.6	1007.5	1069.0	1134.0	1205.5	1310.9	1476.6	1727.2	2105.0	2744.9	3831.5
-10°	921.5	1002.4	1065.3	1129.3	1199.5	1299.4	1454.9	1689.7	2042.2	2621.5	3599.7
-12.5°	913.8	995.3	1060.0	1122.6	1191.2	1283.9	1426.4	1641.0	1960.2	2464.4	3306.7
-15°	904.1	986.4	1053.1	1113.9	1180.5	1264.5	1391.2	1581.4	1861.2	2282.9	2963.3
-17.5°	892.4	975.5	1044.6	1103.3	1167.6	1241.4	1350.2	1518.3	1766.0	2135.2	2730.3
-20°	878.7	962.8	1034.6	1090.9	1152.8	1221.2	1320.7	1470.0	1683.9	1993.1	2462.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	863.1	948.2	1021.2	1078.0	1137.5	1203.4	1290.4	1414.2	1591.6	1830.3	2198.3
-25°	845.6	929.0	1003.4	1064.4	1121.1	1181.8	1256.4	1355.4	1509.3	1713.7	1999.0
-27.5°	826.3	907.7	984.7	1048.6	1103.4	1158.2	1226.9	1314.9	1432.0	1590.3	1801.4
-30°	805.3	885.5	965.2	1029.8	1084.4	1137.6	1196.3	1268.9	1357.8	1490.5	1660.3
-32.5°	782.6	860.9	940.4	1007.2	1063.2	1116.1	1164.3	1228.8	1304.8	1395.7	1528.4
-35°	758.1	834.2	911.4	984.1	1039.7	1090.6	1137.5	1189.2	1252.5	1328.8	1422.6
-37.5°	731.6	805.2	879.9	955.6	1014.1	1062.2	1107.4	1153.8	1207.9	1266.4	1339.6
-40°	703.2	774.1	846.1	919.0	985.5	1032.2	1076.4	1118.0	1164.6	1215.0	1268.9
-42.5°	673.0	741.0	810.0	880.0	946.8	999.4	1044.6	1083.8	1122.1	1164.6	1211.1
-45°	641.1	706.0	771.8	839.6	905.6	961.9	1007.2	1050.0	1082.6	1118.4	1156.9
-47.5°	608.4	669.5	731.7	797.4	862.1	920.4	967.3	1007.0	1041.9	1073.6	1107.2
-50°	574.3	632.9	691.2	753.7	815.1	875.4	926.5	964.4	998.5	1027.9	1056.3
-52.5°	538.0	595.6	650.7	708.4	766.6	823.6	877.9	921.2	954.7	984.9	1012.0
-55°	500.5	555.1	608.5	661.8	716.6	770.3	822.3	869.0	909.9	939.4	968.5
-57.5°	461.9	512.2	562.4	613.2	663.9	715.3	763.1	812.2	854.2	889.6	919.6
-60°	422.4	467.9	513.1	560.3	608.4	654.5	700.0	744.7	789.8	831.8	857.7
-62.5°	381.4	422.4	462.9	504.3	547.8	590.6	631.2	672.3	714.2	750.8	782.5
-65°	336.9	375.5	412.0	448.4	484.9	523.1	560.2	596.1	632.1	667.0	698.4
-67.5°	291.5	326.8	360.2	392.0	424.2	456.7	488.1	520.2	551.3	582.6	612.4
-70°	250.2	278.3	308.0	336.6	364.0	391.6	419.5	446.3	472.6	499.4	526.0
-72.5°	209.4	234.0	258.1	281.5	305.7	329.4	352.2	374.2	396.9	420.1	442.2
-75°	170.0	189.5	209.8	229.9	249.5	268.4	286.8	305.6	324.7	343.6	361.6
-77.5°	131.9	148.9	164.9	179.8	194.2	210.0	225.2	239.8	255.0	270.0	284.4
-80°	96.3	108.2	121.9	134.8	146.2	157.0	167.4	177.4	188.3	199.9	211.7
-82.5°	65.4	74.0	82.8	91.6	99.4	106.9	114.2	121.7	129.2	136.7	144.0
-85°	36.5	39.6	44.8	50.2	55.3	60.3	65.1	69.6	74.0	78.2	82.2
-87.5°	18.3	19.8	21.3	22.7	24.1	25.4	26.7	28.0	29.2	30.3	31.4
-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: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	32.4	32.0	31.4	30.7	29.9	32.0	34.1	36.2	38.2	37.1	35.8
85°	86.0	87.9	89.5	90.9	92.1	96.2	100.2	103.9	107.3	107.2	106.8
82.5°	151.3	156.2	160.4	164.1	167.5	172.2	176.6	180.3	183.4	185.8	187.8
80°	223.0	230.9	237.6	243.8	249.3	255.6	261.5	266.7	271.3	273.8	275.3
77.5°	298.6	310.2	320.5	330.3	339.7	348.9	357.4	364.9	371.4	373.0	372.6
75°	378.8	394.3	408.8	422.3	434.8	445.5	454.5	462.1	468.4	471.5	473.1
72.5°	463.3	482.4	499.5	514.9	528.2	539.2	548.7	557.0	564.0	568.4	571.1
70°	551.3	573.9	591.5	606.0	617.4	628.3	640.6	652.4	663.4	669.5	671.9
67.5°	639.7	663.1	679.2	692.4	702.8	713.6	729.1	743.1	755.5	763.9	769.2
65°	726.1	750.8	767.0	779.6	789.2	800.0	817.3	831.1	841.7	850.0	857.6
62.5°	811.6	836.4	854.4	869.5	883.4	895.3	909.5	921.1	930.1	938.3	947.7
60°	885.6	915.1	933.9	949.2	966.4	984.9	995.4	1004.1	1011.7	1018.3	1024.1
57.5°	946.0	972.3	996.5	1014.9	1032.8	1050.1	1062.4	1070.6	1077.2	1082.2	1084.1
55°	996.6	1023.7	1050.8	1070.7	1088.3	1104.4	1118.0	1128.6	1137.5	1144.4	1146.1
52.5°	1042.0	1072.4	1099.0	1121.9	1145.2	1164.2	1179.1	1193.6	1206.3	1216.5	1220.9
50°	1091.2	1123.2	1156.3	1187.1	1211.8	1233.6	1251.7	1272.1	1293.7	1311.5	1322.8
47.5°	1143.1	1179.9	1220.0	1257.8	1287.2	1319.3	1349.3	1379.8	1419.8	1453.5	1478.5
45°	1197.4	1244.6	1290.3	1338.4	1378.9	1439.6	1495.9	1544.3	1608.6	1666.9	1713.2
42.5°	1261.5	1320.3	1376.4	1453.4	1534.0	1616.9	1706.4	1782.8	1883.3	1985.7	2068.3
40°	1337.4	1412.5	1511.3	1614.7	1742.0	1856.0	2010.6	2148.4	2302.6	2497.6	2658.7
37.5°	1428.7	1544.5	1682.0	1826.1	2024.6	2214.2	2469.8	2739.1	2983.4	3358.6	3674.1
35°	1547.4	1709.2	1890.3	2145.4	2426.3	2781.7	3180.4	3700.5	4146.6	4779.3	5384.0
32.5°	1700.3	1908.4	2204.1	2597.9	3013.1	3658.3	4290.9	5194.0	6030.3	7033.2	8115.5
30°	1870.6	2187.2	2638.9	3179.0	3953.6	4902.8	6017.9	7405.0	8923.1	10332.6	11721.6
27.5°	2117.1	2570.8	3164.3	4035.9	5243.1	6571.0	8524.7	10407.7	12372.3	14118.7	15575.2
25°	2405.1	3004.7	3922.3	5205.8	6838.4	9112.2	11451.0	13774.9	15887.7	17716.0	19325.3
22.5°	2776.9	3639.2	4862.6	6525.0	9067.3	11792.6	14535.1	17098.5	19352.2	21388.1	23130.1
20°	3181.3	4260.4	6007.4	8486.3	11393.6	14498.6	17595.2	20325.8	22807.3	25115.6	27079.0
17.5°	3694.0	5205.1	7417.4	10391.2	13752.4	17154.4	20407.6	23370.7	26186.1	28628.7	30680.1
15°	4130.8	6037.1	8924.4	12412.0	16047.8	19636.3	23070.8	26289.5	29216.6	31722.8	33651.3
12.5°	4713.5	6969.6	10262.4	14149.4	18089.2	21865.2	25482.8	28809.5	31788.3	34267.0	35768.2
10°	5264.3	7934.9	11555.6	15609.2	19702.4	23725.5	27588.2	31000.0	33765.7	35737.4	37016.8
7.5°	5732.7	8764.6	12607.5	16789.2	20984.1	25190.3	29100.3	32419.9	34969.9	36616.6	37507.2
5°	6082.3	9384.8	13388.4	17748.0	22052.6	26332.6	30212.1	33328.5	35532.4	36755.6	37202.8
2.5°	6305.2	9749.0	13841.6	18377.0	22767.7	27055.4	30974.7	34042.2	35912.1	36722.9	36799.9
0°	6394.2	9796.1	13911.4	18707.1	22947.9	27261.3	31191.7	34335.9	36053.4	36720.5	36707.3
-2.5°	6305.2	9749.0	13841.6	18377.0	22767.7	27055.4	30974.7	34042.2	35912.1	36722.9	36799.9
-5°	6082.3	9384.8	13388.4	17748.0	22052.6	26332.6	30212.1	33328.5	35532.4	36755.6	37202.8
-7.5°	5732.7	8764.6	12607.5	16789.2	20984.1	25190.3	29100.3	32419.9	34969.9	36616.6	37507.2
-10°	5264.3	7934.9	11555.6	15609.2	19702.4	23725.5	27588.2	31000.0	33765.7	35737.4	37016.8
-12.5°	4713.5	6969.6	10262.4	14149.4	18089.2	21865.2	25482.8	28809.5	31788.3	34267.0	35768.2
-15°	4130.8	6037.1	8924.4	12412.0	16047.8	19636.3	23070.8	26289.5	29216.6	31722.8	33651.3
-17.5°	3694.0	5205.1	7417.4	10391.2	13752.4	17154.4	20407.6	23370.7	26186.1	28628.7	30680.1
-20°	3181.3	4260.4	6007.4	8486.3	11393.6	14498.6	17595.2	20325.8	22807.3	25115.6	27079.0



REPORT NUMBER: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	2776.9	3639.2	4862.6	6525.0	9067.3	11792.6	14535.1	17098.5	19352.2	21388.1	23130.1
-25°	2405.1	3004.7	3922.3	5205.8	6838.4	9112.2	11451.0	13774.9	15887.7	17716.0	19325.3
-27.5°	2117.1	2570.8	3164.3	4035.9	5243.1	6571.0	8524.7	10407.7	12372.3	14118.7	15575.2
-30°	1870.6	2187.2	2638.9	3179.0	3953.6	4902.8	6017.9	7405.0	8923.1	10332.6	11721.6
-32.5°	1700.3	1908.4	2204.1	2597.9	3013.1	3658.3	4290.9	5194.0	6030.3	7033.2	8115.5
-35°	1547.4	1709.2	1890.3	2145.4	2426.3	2781.7	3180.4	3700.5	4146.6	4779.3	5384.0
-37.5°	1428.7	1544.5	1682.0	1826.1	2024.6	2214.2	2469.8	2739.1	2983.4	3358.6	3674.1
-40°	1337.4	1412.5	1511.3	1614.7	1742.0	1856.0	2010.6	2148.4	2302.6	2497.6	2658.7
-42.5°	1261.5	1320.3	1376.4	1453.4	1534.0	1616.9	1706.4	1782.8	1883.3	1985.7	2068.3
-45°	1197.4	1244.6	1290.3	1338.4	1378.9	1439.6	1495.9	1544.3	1608.6	1666.9	1713.2
-47.5°	1143.1	1179.9	1220.0	1257.8	1287.2	1319.3	1349.3	1379.8	1419.8	1453.5	1478.5
-50°	1091.2	1123.2	1156.3	1187.1	1211.8	1233.6	1251.7	1272.1	1293.7	1311.5	1322.8
-52.5°	1042.0	1072.4	1099.0	1121.9	1145.2	1164.2	1179.1	1193.6	1206.3	1216.5	1220.9
-55°	996.6	1023.7	1050.8	1070.7	1088.3	1104.4	1118.0	1128.6	1137.5	1144.4	1146.1
-57.5°	946.0	972.3	996.5	1014.9	1032.8	1050.1	1062.4	1070.6	1077.2	1082.2	1084.1
-60°	885.6	915.1	933.9	949.2	966.4	984.9	995.4	1004.1	1011.7	1018.3	1024.1
-62.5°	811.6	836.4	854.4	869.5	883.4	895.3	909.5	921.1	930.1	938.3	947.7
-65°	726.1	750.8	767.0	779.6	789.2	800.0	817.3	831.1	841.7	850.0	857.6
-67.5°	639.7	663.1	679.2	692.4	702.8	713.6	729.1	743.1	755.5	763.9	769.2
-70°	551.3	573.9	591.5	606.0	617.4	628.3	640.6	652.4	663.4	669.5	671.9
-72.5°	463.3	482.4	499.5	514.9	528.2	539.2	548.7	557.0	564.0	568.4	571.1
-75°	378.8	394.3	408.8	422.3	434.8	445.5	454.5	462.1	468.4	471.5	473.1
-77.5°	298.6	310.2	320.5	330.3	339.7	348.9	357.4	364.9	371.4	373.0	372.6
-80°	223.0	230.9	237.6	243.8	249.3	255.6	261.5	266.7	271.3	273.8	275.3
-82.5°	151.3	156.2	160.4	164.1	167.5	172.2	176.6	180.3	183.4	185.8	187.8
-85°	86.0	87.9	89.5	90.9	92.1	96.2	100.2	103.9	107.3	107.2	106.8
-87.5°	32.4	32.0	31.4	30.7	29.9	32.0	34.1	36.2	38.2	37.1	35.8
-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: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	34.4	32.9	33.0	33.0	33.0	32.9	34.4	35.8	37.1	38.2	36.2
85°	106.1	105.2	102.3	99.1	102.3	105.2	106.1	106.8	107.2	107.3	103.9
82.5°	189.4	190.6	188.1	185.0	188.1	190.6	189.4	187.8	185.8	183.4	180.3
80°	276.1	276.1	273.8	270.8	273.8	276.1	276.1	275.3	273.8	271.3	266.7
77.5°	371.0	368.3	369.4	369.9	369.4	368.3	371.0	372.6	373.0	371.4	364.9
75°	473.8	473.4	471.8	469.0	471.8	473.4	473.8	473.1	471.5	468.4	462.1
72.5°	572.4	572.3	570.9	568.1	570.9	572.3	572.4	571.1	568.4	564.0	557.0
70°	672.5	671.3	673.0	673.8	673.0	671.3	672.5	671.9	669.5	663.4	652.4
67.5°	773.3	776.0	775.5	772.9	775.5	776.0	773.3	769.2	763.9	755.5	743.1
65°	863.7	868.2	870.9	871.9	870.9	868.2	863.7	857.6	850.0	841.7	831.1
62.5°	955.0	960.2	960.5	957.8	960.5	960.2	955.0	947.7	938.3	930.1	921.1
60°	1027.3	1028.1	1026.9	1023.9	1026.9	1028.1	1027.3	1024.1	1018.3	1011.7	1004.1
57.5°	1084.1	1082.2	1079.9	1076.7	1079.9	1082.2	1084.1	1084.1	1082.2	1077.2	1070.6
55°	1145.2	1142.0	1139.3	1136.2	1139.3	1142.0	1145.2	1146.1	1144.4	1137.5	1128.6
52.5°	1221.8	1220.1	1218.2	1215.4	1218.2	1220.1	1221.8	1220.9	1216.5	1206.3	1193.6
50°	1328.5	1330.1	1330.0	1327.7	1330.0	1330.1	1328.5	1322.8	1311.5	1293.7	1272.1
47.5°	1494.3	1503.1	1509.1	1512.7	1509.1	1503.1	1494.3	1478.5	1453.5	1419.8	1379.8
45°	1742.9	1760.6	1773.0	1783.5	1773.0	1760.6	1742.9	1713.2	1666.9	1608.6	1544.3
42.5°	2126.4	2166.0	2184.6	2179.8	2184.6	2166.0	2126.4	2068.3	1985.7	1883.3	1782.8
40°	2766.0	2829.8	2865.1	2893.3	2865.1	2829.8	2766.0	2658.7	2497.6	2302.6	2148.4
37.5°	3889.6	4013.3	4078.5	4135.1	4078.5	4013.3	3889.6	3674.1	3358.6	2983.4	2739.1
35°	5835.7	6114.1	6263.1	6315.0	6263.1	6114.1	5835.7	5384.0	4779.3	4146.6	3700.5
32.5°	8957.7	9471.2	9755.1	9974.5	9755.1	9471.2	8957.7	8115.5	7033.2	6030.3	5194.0
30°	12821.5	13497.8	13873.4	14056.7	13873.4	13497.8	12821.5	11721.6	10332.6	8923.1	7405.0
27.5°	16782.3	17551.2	17956.1	17934.2	17956.1	17551.2	16782.3	15575.2	14118.7	12372.3	10407.7
25°	20704.9	21595.3	21998.8	22360.0	21998.8	21595.3	20704.9	19325.3	17716.0	15887.7	13774.9
22.5°	24672.1	25713.4	26281.5	26547.9	26281.5	25713.4	24672.1	23130.1	21388.1	19352.2	17098.5
20°	28592.1	29751.2	30354.4	30617.0	30354.4	29751.2	28592.1	27079.0	25115.6	22807.3	20325.8
17.5°	32068.7	33200.2	33775.2	34018.8	33775.2	33200.2	32068.7	30680.1	28628.7	26186.1	23370.7
15°	34844.8	35679.4	36168.3	36297.8	36168.3	35679.4	34844.8	33651.3	31722.8	29216.6	26289.5
12.5°	36763.7	37087.0	37322.1	37394.3	37322.1	37087.0	36763.7	35768.2	34267.0	31788.3	28809.5
10°	37744.7	37598.9	37538.5	37546.2	37538.5	37598.9	37744.7	37016.8	35737.4	33765.7	31000.0
7.5°	37677.3	37461.2	37027.4	36958.3	37027.4	37461.2	37677.3	37507.2	36616.6	34969.9	32419.9
5°	37135.9	36742.6	36022.6	35815.6	36022.6	36742.6	37135.9	37202.8	36755.6	35532.4	33328.5
2.5°	36505.0	35796.0	35132.7	34705.8	35132.7	35796.0	36505.0	36799.9	36722.9	35912.1	34042.2
0°	36317.6	35498.5	34639.8	34362.3	34639.8	35498.5	36317.6	36707.3	36720.5	36053.4	34335.9
-2.5°	36505.0	35796.0	35132.7	34705.8	35132.7	35796.0	36505.0	36799.9	36722.9	35912.1	34042.2
-5°	37135.9	36742.6	36022.6	35815.6	36022.6	36742.6	37135.9	37202.8	36755.6	35532.4	33328.5
-7.5°	37677.3	37461.2	37027.4	36958.3	37027.4	37461.2	37677.3	37507.2	36616.6	34969.9	32419.9
-10°	37744.7	37598.9	37538.5	37546.2	37538.5	37598.9	37744.7	37016.8	35737.4	33765.7	31000.0
-12.5°	36763.7	37087.0	37322.1	37394.3	37322.1	37087.0	36763.7	35768.2	34267.0	31788.3	28809.5
-15°	34844.8	35679.4	36168.3	36297.8	36168.3	35679.4	34844.8	33651.3	31722.8	29216.6	26289.5
-17.5°	32068.7	33200.2	33775.2	34018.8	33775.2	33200.2	32068.7	30680.1	28628.7	26186.1	23370.7
-20°	28592.1	29751.2	30354.4	30617.0	30354.4	29751.2	28592.1	27079.0	25115.6	22807.3	20325.8



REPORT NUMBER: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	24672.1	25713.4	26281.5	26547.9	26281.5	25713.4	24672.1	23130.1	21388.1	19352.2	17098.5
-25°	20704.9	21595.3	21998.8	22360.0	21998.8	21595.3	20704.9	19325.3	17716.0	15887.7	13774.9
-27.5°	16782.3	17551.2	17956.1	17934.2	17956.1	17551.2	16782.3	15575.2	14118.7	12372.3	10407.7
-30°	12821.5	13497.8	13873.4	14056.7	13873.4	13497.8	12821.5	11721.6	10332.6	8923.1	7405.0
-32.5°	8957.7	9471.2	9755.1	9974.5	9755.1	9471.2	8957.7	8115.5	7033.2	6030.3	5194.0
-35°	5835.7	6114.1	6263.1	6315.0	6263.1	6114.1	5835.7	5384.0	4779.3	4146.6	3700.5
-37.5°	3889.6	4013.3	4078.5	4135.1	4078.5	4013.3	3889.6	3674.1	3358.6	2983.4	2739.1
-40°	2766.0	2829.8	2865.1	2893.3	2865.1	2829.8	2766.0	2658.7	2497.6	2302.6	2148.4
-42.5°	2126.4	2166.0	2184.6	2179.8	2184.6	2166.0	2126.4	2068.3	1985.7	1883.3	1782.8
-45°	1742.9	1760.6	1773.0	1783.5	1773.0	1760.6	1742.9	1713.2	1666.9	1608.6	1544.3
-47.5°	1494.3	1503.1	1509.1	1512.7	1509.1	1503.1	1494.3	1478.5	1453.5	1419.8	1379.8
-50°	1328.5	1330.1	1330.0	1327.7	1330.0	1330.1	1328.5	1322.8	1311.5	1293.7	1272.1
-52.5°	1221.8	1220.1	1218.2	1215.4	1218.2	1220.1	1221.8	1220.9	1216.5	1206.3	1193.6
-55°	1145.2	1142.0	1139.3	1136.2	1139.3	1142.0	1145.2	1146.1	1144.4	1137.5	1128.6
-57.5°	1084.1	1082.2	1079.9	1076.7	1079.9	1082.2	1084.1	1084.1	1082.2	1077.2	1070.6
-60°	1027.3	1028.1	1026.9	1023.9	1026.9	1028.1	1027.3	1024.1	1018.3	1011.7	1004.1
-62.5°	955.0	960.2	960.5	957.8	960.5	960.2	955.0	947.7	938.3	930.1	921.1
-65°	863.7	868.2	870.9	871.9	870.9	868.2	863.7	857.6	850.0	841.7	831.1
-67.5°	773.3	776.0	775.5	772.9	775.5	776.0	773.3	769.2	763.9	755.5	743.1
-70°	672.5	671.3	673.0	673.8	673.0	671.3	672.5	671.9	669.5	663.4	652.4
-72.5°	572.4	572.3	570.9	568.1	570.9	572.3	572.4	571.1	568.4	564.0	557.0
-75°	473.8	473.4	471.8	469.0	471.8	473.4	473.8	473.1	471.5	468.4	462.1
-77.5°	371.0	368.3	369.4	369.9	369.4	368.3	371.0	372.6	373.0	371.4	364.9
-80°	276.1	276.1	273.8	270.8	273.8	276.1	276.1	275.3	273.8	271.3	266.7
-82.5°	189.4	190.6	188.1	185.0	188.1	190.6	189.4	187.8	185.8	183.4	180.3
-85°	106.1	105.2	102.3	99.1	102.3	105.2	106.1	106.8	107.2	107.3	103.9
-87.5°	34.4	32.9	33.0	33.0	33.0	32.9	34.4	35.8	37.1	38.2	36.2
-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: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	34.1	32.0	29.9	30.7	31.4	32.0	32.4	31.4	30.3	29.2	28.0
85°	100.2	96.2	92.1	90.9	89.5	87.9	86.0	82.2	78.2	74.0	69.6
82.5°	176.6	172.2	167.5	164.1	160.4	156.2	151.3	144.0	136.7	129.2	121.7
80°	261.5	255.6	249.3	243.8	237.6	230.9	223.0	211.7	199.9	188.3	177.4
77.5°	357.4	348.9	339.7	330.3	320.5	310.2	298.6	284.4	270.0	255.0	239.8
75°	454.5	445.5	434.8	422.3	408.8	394.3	378.8	361.6	343.6	324.7	305.6
72.5°	548.7	539.2	528.2	514.9	499.5	482.4	463.3	442.2	420.1	396.9	374.2
70°	640.6	628.3	617.4	606.0	591.5	573.9	551.3	526.0	499.4	472.6	446.3
67.5°	729.1	713.6	702.8	692.4	679.2	663.1	639.7	612.4	582.6	551.3	520.2
65°	817.3	800.0	789.2	779.6	767.0	750.8	726.1	698.4	667.0	632.1	596.1
62.5°	909.5	895.3	883.4	869.5	854.4	836.4	811.6	782.5	750.8	714.2	672.3
60°	995.4	984.9	966.4	949.2	933.9	915.1	885.6	857.7	831.8	789.8	744.7
57.5°	1062.4	1050.1	1032.8	1014.9	996.5	972.3	946.0	919.6	889.6	854.2	812.2
55°	1118.0	1104.4	1088.3	1070.7	1050.8	1023.7	996.6	968.5	939.4	909.9	869.0
52.5°	1179.1	1164.2	1145.2	1121.9	1099.0	1072.4	1042.0	1012.0	984.9	954.7	921.2
50°	1251.7	1233.6	1211.8	1187.1	1156.3	1123.2	1091.2	1056.3	1027.9	998.5	964.4
47.5°	1349.3	1319.3	1287.2	1257.8	1220.0	1179.9	1143.1	1107.2	1073.6	1041.9	1007.0
45°	1495.9	1439.6	1378.9	1338.4	1290.3	1244.6	1197.4	1156.9	1118.4	1082.6	1050.0
42.5°	1706.4	1616.9	1534.0	1453.4	1376.4	1320.3	1261.5	1211.1	1164.6	1122.1	1083.8
40°	2010.6	1856.0	1742.0	1614.7	1511.3	1412.5	1337.4	1268.9	1215.0	1164.6	1118.0
37.5°	2469.8	2214.2	2024.6	1826.1	1682.0	1544.5	1428.7	1339.6	1266.4	1207.9	1153.8
35°	3180.4	2781.7	2426.3	2145.4	1890.3	1709.2	1547.4	1422.6	1328.8	1252.5	1189.2
32.5°	4290.9	3658.3	3013.1	2597.9	2204.1	1908.4	1700.3	1528.4	1395.7	1304.8	1228.8
30°	6017.9	4902.8	3953.6	3179.0	2638.9	2187.2	1870.6	1660.3	1490.5	1357.8	1268.9
27.5°	8524.7	6571.0	5243.1	4035.9	3164.3	2570.8	2117.1	1801.4	1590.3	1432.0	1314.9
25°	11451.0	9112.2	6838.4	5205.8	3922.3	3004.7	2405.1	1999.0	1713.7	1509.3	1355.4
22.5°	14535.1	11792.6	9067.3	6525.0	4862.6	3639.2	2776.9	2198.3	1830.3	1591.6	1414.2
20°	17595.2	14498.6	11393.6	8486.3	6007.4	4260.4	3181.3	2462.9	1993.1	1683.9	1470.0
17.5°	20407.6	17154.4	13752.4	10391.2	7417.4	5205.1	3694.0	2730.3	2135.2	1766.0	1518.3
15°	23070.8	19636.3	16047.8	12412.0	8924.4	6037.1	4130.8	2963.3	2282.9	1861.2	1581.4
12.5°	25482.8	21865.2	18089.2	14149.4	10262.4	6969.6	4713.5	3306.7	2464.4	1960.2	1641.0
10°	27588.2	23725.5	19702.4	15609.2	11555.6	7934.9	5264.3	3599.7	2621.5	2042.2	1689.7
7.5°	29100.3	25190.3	20984.1	16789.2	12607.5	8764.6	5732.7	3831.5	2744.9	2105.0	1727.2
5°	30212.1	26332.6	22052.6	17748.0	13388.4	9384.8	6082.3	3994.6	2833.2	2148.4	1753.3
2.5°	30974.7	27055.4	22767.7	18377.0	13841.6	9749.0	6305.2	4082.3	2874.9	2182.5	1767.7
0°	31191.7	27261.3	22947.9	18707.1	13911.4	9796.1	6394.2	4095.5	2873.4	2199.7	1770.3
-2.5°	30974.7	27055.4	22767.7	18377.0	13841.6	9749.0	6305.2	4082.3	2874.9	2182.5	1767.7
-5°	30212.1	26332.6	22052.6	17748.0	13388.4	9384.8	6082.3	3994.6	2833.2	2148.4	1753.3
-7.5°	29100.3	25190.3	20984.1	16789.2	12607.5	8764.6	5732.7	3831.5	2744.9	2105.0	1727.2
-10°	27588.2	23725.5	19702.4	15609.2	11555.6	7934.9	5264.3	3599.7	2621.5	2042.2	1689.7
-12.5°	25482.8	21865.2	18089.2	14149.4	10262.4	6969.6	4713.5	3306.7	2464.4	1960.2	1641.0
-15°	23070.8	19636.3	16047.8	12412.0	8924.4	6037.1	4130.8	2963.3	2282.9	1861.2	1581.4
-17.5°	20407.6	17154.4	13752.4	10391.2	7417.4	5205.1	3694.0	2730.3	2135.2	1766.0	1518.3
-20°	17595.2	14498.6	11393.6	8486.3	6007.4	4260.4	3181.3	2462.9	1993.1	1683.9	1470.0



REPORT NUMBER: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	14535.1	11792.6	9067.3	6525.0	4862.6	3639.2	2776.9	2198.3	1830.3	1591.6	1414.2
-25°	11451.0	9112.2	6838.4	5205.8	3922.3	3004.7	2405.1	1999.0	1713.7	1509.3	1355.4
-27.5°	8524.7	6571.0	5243.1	4035.9	3164.3	2570.8	2117.1	1801.4	1590.3	1432.0	1314.9
-30°	6017.9	4902.8	3953.6	3179.0	2638.9	2187.2	1870.6	1660.3	1490.5	1357.8	1268.9
-32.5°	4290.9	3658.3	3013.1	2597.9	2204.1	1908.4	1700.3	1528.4	1395.7	1304.8	1228.8
-35°	3180.4	2781.7	2426.3	2145.4	1890.3	1709.2	1547.4	1422.6	1328.8	1252.5	1189.2
-37.5°	2469.8	2214.2	2024.6	1826.1	1682.0	1544.5	1428.7	1339.6	1266.4	1207.9	1153.8
-40°	2010.6	1856.0	1742.0	1614.7	1511.3	1412.5	1337.4	1268.9	1215.0	1164.6	1118.0
-42.5°	1706.4	1616.9	1534.0	1453.4	1376.4	1320.3	1261.5	1211.1	1164.6	1122.1	1083.8
-45°	1495.9	1439.6	1378.9	1338.4	1290.3	1244.6	1197.4	1156.9	1118.4	1082.6	1050.0
-47.5°	1349.3	1319.3	1287.2	1257.8	1220.0	1179.9	1143.1	1107.2	1073.6	1041.9	1007.0
-50°	1251.7	1233.6	1211.8	1187.1	1156.3	1123.2	1091.2	1056.3	1027.9	998.5	964.4
-52.5°	1179.1	1164.2	1145.2	1121.9	1099.0	1072.4	1042.0	1012.0	984.9	954.7	921.2
-55°	1118.0	1104.4	1088.3	1070.7	1050.8	1023.7	996.6	968.5	939.4	909.9	869.0
-57.5°	1062.4	1050.1	1032.8	1014.9	996.5	972.3	946.0	919.6	889.6	854.2	812.2
-60°	995.4	984.9	966.4	949.2	933.9	915.1	885.6	857.7	831.8	789.8	744.7
-62.5°	909.5	895.3	883.4	869.5	854.4	836.4	811.6	782.5	750.8	714.2	672.3
-65°	817.3	800.0	789.2	779.6	767.0	750.8	726.1	698.4	667.0	632.1	596.1
-67.5°	729.1	713.6	702.8	692.4	679.2	663.1	639.7	612.4	582.6	551.3	520.2
-70°	640.6	628.3	617.4	606.0	591.5	573.9	551.3	526.0	499.4	472.6	446.3
-72.5°	548.7	539.2	528.2	514.9	499.5	482.4	463.3	442.2	420.1	396.9	374.2
-75°	454.5	445.5	434.8	422.3	408.8	394.3	378.8	361.6	343.6	324.7	305.6
-77.5°	357.4	348.9	339.7	330.3	320.5	310.2	298.6	284.4	270.0	255.0	239.8
-80°	261.5	255.6	249.3	243.8	237.6	230.9	223.0	211.7	199.9	188.3	177.4
-82.5°	176.6	172.2	167.5	164.1	160.4	156.2	151.3	144.0	136.7	129.2	121.7
-85°	100.2	96.2	92.1	90.9	89.5	87.9	86.0	82.2	78.2	74.0	69.6
-87.5°	34.1	32.0	29.9	30.7	31.4	32.0	32.4	31.4	30.3	29.2	28.0
-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: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-750-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.7	25.4	24.1	22.7	21.3	19.8	18.3	16.7	14.5	12.4	10.4
85°	65.1	60.3	55.3	50.2	44.8	39.6	36.5	33.4	29.0	24.8	20.8
82.5°	114.2	106.9	99.4	91.6	82.8	74.0	65.4	57.0	47.7	37.8	31.1
80°	167.4	157.0	146.2	134.8	121.9	108.2	96.3	84.7	73.4	61.3	48.5
77.5°	225.2	210.0	194.2	179.8	164.9	148.9	131.9	114.2	98.9	84.7	69.5
75°	286.8	268.4	249.5	229.9	209.8	189.5	170.0	149.7	129.2	108.4	90.4
72.5°	352.2	329.4	305.7	281.5	258.1	234.0	209.4	184.8	160.9	136.7	112.2
70°	419.5	391.6	364.0	336.6	308.0	278.3	250.2	221.3	192.3	164.7	136.7
67.5°	488.1	456.7	424.2	392.0	360.2	326.8	291.5	257.6	224.7	192.3	160.9
65°	560.2	523.1	484.9	448.4	412.0	375.5	336.9	294.7	256.3	220.1	184.8
62.5°	631.2	590.6	547.8	504.3	462.9	422.4	381.4	334.5	288.1	247.3	208.2
60°	700.0	654.5	608.4	560.3	513.1	467.9	422.4	373.2	322.7	273.7	231.1
57.5°	763.1	715.3	663.9	613.2	562.4	512.2	461.9	409.8	356.3	302.4	253.3
55°	822.3	770.3	716.6	661.8	608.5	555.1	500.5	444.9	388.6	331.1	275.1
52.5°	877.9	823.6	766.6	708.4	650.7	595.6	538.0	479.0	419.2	358.7	299.0
50°	926.5	875.4	815.1	753.7	691.2	632.9	574.3	512.0	448.9	385.2	322.4
47.5°	967.3	920.4	862.1	797.4	731.7	669.5	608.4	543.9	477.6	410.6	344.8
45°	1007.2	961.9	905.6	839.6	771.8	706.0	641.1	574.5	505.1	435.2	366.2
42.5°	1044.6	999.4	946.8	880.0	810.0	741.0	673.0	603.5	531.5	458.5	386.5
40°	1076.4	1032.2	985.5	919.0	846.1	774.1	703.2	631.4	556.7	480.8	405.8
37.5°	1107.4	1062.2	1014.1	955.6	879.9	805.2	731.6	658.2	581.0	502.3	424.0
35°	1137.5	1090.6	1039.7	984.1	911.4	834.2	758.1	683.2	603.8	522.8	440.9
32.5°	1164.3	1116.1	1063.2	1007.2	940.4	860.9	782.6	705.1	624.9	542.2	456.7
30°	1196.3	1137.6	1084.4	1029.8	965.2	885.5	805.3	725.6	644.4	560.5	471.5
27.5°	1226.9	1158.2	1103.4	1048.6	984.7	907.7	826.3	744.6	662.2	577.2	486.2
25°	1256.4	1181.8	1121.1	1064.4	1003.4	929.0	845.6	761.9	678.0	591.8	499.7
22.5°	1290.4	1203.4	1137.5	1078.0	1021.2	948.2	863.1	777.6	691.9	604.8	512.1
20°	1320.7	1221.2	1152.8	1090.9	1034.6	962.8	878.7	791.6	704.4	616.3	523.3
17.5°	1350.2	1241.4	1167.6	1103.3	1044.6	975.5	892.4	803.9	715.3	626.3	533.2
15°	1391.2	1264.5	1180.5	1113.9	1053.1	986.4	904.1	814.4	724.7	634.8	542.1
12.5°	1426.4	1283.9	1191.2	1122.6	1060.0	995.3	913.8	823.1	732.4	642.3	550.0
10°	1454.9	1299.4	1199.5	1129.3	1065.3	1002.4	921.5	830.5	739.7	648.9	556.5
7.5°	1476.6	1310.9	1205.5	1134.0	1069.0	1007.5	928.6	837.1	745.5	654.0	561.6
5°	1491.3	1318.5	1210.4	1136.8	1071.0	1010.7	933.8	841.7	749.7	657.7	565.2
2.5°	1499.0	1321.9	1214.1	1137.5	1071.4	1011.7	936.9	844.6	752.2	659.9	567.4
0°	1499.5	1321.1	1215.4	1136.2	1070.1	1010.7	938.0	845.5	753.0	660.6	568.1
-2.5°	1499.0	1321.9	1214.1	1137.5	1071.4	1011.7	936.9	844.6	752.2	659.9	567.4
-5°	1491.3	1318.5	1210.4	1136.8	1071.0	1010.7	933.8	841.7	749.7	657.7	565.2
-7.5°	1476.6	1310.9	1205.5	1134.0	1069.0	1007.5	928.6	837.1	745.5	654.0	561.6
-10°	1454.9	1299.4	1199.5	1129.3	1065.3	1002.4	921.5	830.5	739.7	648.9	556.5
-12.5°	1426.4	1283.9	1191.2	1122.6	1060.0	995.3	913.8	823.1	732.4	642.3	550.0
-15°	1391.2	1264.5	1180.5	1113.9	1053.1	986.4	904.1	814.4	724.7	634.8	542.1
-17.5°	1350.2	1241.4	1167.6	1103.3	1044.6	975.5	892.4	803.9	715.3	626.3	533.2
-20°	1320.7	1221.2	1152.8	1090.9	1034.6	962.8	878.7	791.6	704.4	616.3	523.3

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	1290.4	1203.4	1137.5	1078.0	1021.2	948.2	863.1	777.6	691.9	604.8	512.1
-25°	1256.4	1181.8	1121.1	1064.4	1003.4	929.0	845.6	761.9	678.0	591.8	499.7
-27.5°	1226.9	1158.2	1103.4	1048.6	984.7	907.7	826.3	744.6	662.2	577.2	486.2
-30°	1196.3	1137.6	1084.4	1029.8	965.2	885.5	805.3	725.6	644.4	560.5	471.5
-32.5°	1164.3	1116.1	1063.2	1007.2	940.4	860.9	782.6	705.1	624.9	542.2	456.7
-35°	1137.5	1090.6	1039.7	984.1	911.4	834.2	758.1	683.2	603.8	522.8	440.9
-37.5°	1107.4	1062.2	1014.1	955.6	879.9	805.2	731.6	658.2	581.0	502.3	424.0
-40°	1076.4	1032.2	985.5	919.0	846.1	774.1	703.2	631.4	556.7	480.8	405.8
-42.5°	1044.6	999.4	946.8	880.0	810.0	741.0	673.0	603.5	531.5	458.5	386.5
-45°	1007.2	961.9	905.6	839.6	771.8	706.0	641.1	574.5	505.1	435.2	366.2
-47.5°	967.3	920.4	862.1	797.4	731.7	669.5	608.4	543.9	477.6	410.6	344.8
-50°	926.5	875.4	815.1	753.7	691.2	632.9	574.3	512.0	448.9	385.2	322.4
-52.5°	877.9	823.6	766.6	708.4	650.7	595.6	538.0	479.0	419.2	358.7	299.0
-55°	822.3	770.3	716.6	661.8	608.5	555.1	500.5	444.9	388.6	331.1	275.1
-57.5°	763.1	715.3	663.9	613.2	562.4	512.2	461.9	409.8	356.3	302.4	253.3
-60°	700.0	654.5	608.4	560.3	513.1	467.9	422.4	373.2	322.7	273.7	231.1
-62.5°	631.2	590.6	547.8	504.3	462.9	422.4	381.4	334.5	288.1	247.3	208.2
-65°	560.2	523.1	484.9	448.4	412.0	375.5	336.9	294.7	256.3	220.1	184.8
-67.5°	488.1	456.7	424.2	392.0	360.2	326.8	291.5	257.6	224.7	192.3	160.9
-70°	419.5	391.6	364.0	336.6	308.0	278.3	250.2	221.3	192.3	164.7	136.7
-72.5°	352.2	329.4	305.7	281.5	258.1	234.0	209.4	184.8	160.9	136.7	112.2
-75°	286.8	268.4	249.5	229.9	209.8	189.5	170.0	149.7	129.2	108.4	90.4
-77.5°	225.2	210.0	194.2	179.8	164.9	148.9	131.9	114.2	98.9	84.7	69.5
-80°	167.4	157.0	146.2	134.8	121.9	108.2	96.3	84.7	73.4	61.3	48.5
-82.5°	114.2	106.9	99.4	91.6	82.8	74.0	65.4	57.0	47.7	37.8	31.1
-85°	65.1	60.3	55.3	50.2	44.8	39.6	36.5	33.4	29.0	24.8	20.8
-87.5°	26.7	25.4	24.1	22.7	21.3	19.8	18.3	16.7	14.5	12.4	10.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-750-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
85°	17.1	14.3	11.4	8.6	5.7	2.9	0.0
82.5°	25.6	21.4	17.1	12.9	8.6	4.3	0.0
80°	35.2	28.4	22.8	17.1	11.4	5.7	0.0
77.5°	53.7	38.4	28.4	21.4	14.3	7.1	0.0
75°	72.0	53.7	35.2	25.6	17.1	8.5	0.0
72.5°	90.1	68.8	47.3	29.7	19.8	9.9	0.0
70°	108.4	83.8	59.3	34.7	22.5	11.3	0.0
67.5°	129.0	98.5	71.1	43.6	25.2	12.6	0.0
65°	149.2	114.0	82.7	52.3	27.9	13.9	0.0
62.5°	168.9	130.2	94.0	60.8	30.4	15.2	0.0
60°	188.1	146.0	105.1	69.1	33.0	16.5	0.0
57.5°	207.3	161.4	117.2	77.2	38.3	17.7	0.0
55°	226.2	176.3	129.0	85.2	43.5	18.9	0.0
52.5°	244.6	190.8	140.4	92.8	48.4	20.1	0.0
50°	262.5	205.8	151.4	100.3	53.3	21.2	0.0
47.5°	280.1	220.4	161.9	107.6	57.9	22.3	0.0
45°	298.4	234.4	172.0	115.1	62.3	23.3	0.0
42.5°	315.8	247.9	181.5	122.3	66.4	24.3	0.0
40°	332.3	260.9	191.2	128.9	70.4	25.3	0.0
37.5°	347.9	273.3	201.1	135.1	74.1	26.2	0.0
35°	362.5	285.4	210.4	140.9	77.6	27.0	0.0
32.5°	376.1	296.8	219.2	146.3	80.8	27.8	0.0
30°	388.7	307.4	227.5	151.4	83.8	28.6	0.0
27.5°	400.2	317.2	234.8	156.0	86.5	29.3	0.0
25°	410.7	326.1	241.5	160.2	89.0	29.9	0.0
22.5°	420.1	334.0	247.5	164.0	91.2	30.5	0.0
20°	428.5	340.7	252.9	167.4	93.1	31.0	0.0
17.5°	436.0	346.6	257.5	170.3	94.8	31.5	0.0
15°	442.8	351.6	261.5	172.8	96.2	31.9	0.0
12.5°	448.6	355.8	264.8	174.9	97.3	32.2	0.0
10°	453.5	359.1	267.4	176.5	98.2	32.5	0.0
7.5°	457.3	361.5	269.3	177.7	98.8	32.7	0.0
5°	460.1	363.0	270.5	178.4	99.2	32.9	0.0
2.5°	461.8	363.6	271.0	178.6	99.3	33.0	0.0
0°	462.4	363.3	270.8	178.4	99.1	33.0	0.0
-2.5°	461.8	363.6	271.0	178.6	99.3	33.0	0.0
-5°	460.1	363.0	270.5	178.4	99.2	32.9	0.0
-7.5°	457.3	361.5	269.3	177.7	98.8	32.7	0.0
-10°	453.5	359.1	267.4	176.5	98.2	32.5	0.0
-12.5°	448.6	355.8	264.8	174.9	97.3	32.2	0.0
-15°	442.8	351.6	261.5	172.8	96.2	31.9	0.0
-17.5°	436.0	346.6	257.5	170.3	94.8	31.5	0.0
-20°	428.5	340.7	252.9	167.4	93.1	31.0	0.0

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REPORT NUMBER: P627657 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-750-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	420.1	334.0	247.5	164.0	91.2	30.5	0.0
-25°	410.7	326.1	241.5	160.2	89.0	29.9	0.0
-27.5°	400.2	317.2	234.8	156.0	86.5	29.3	0.0
-30°	388.7	307.4	227.5	151.4	83.8	28.6	0.0
-32.5°	376.1	296.8	219.2	146.3	80.8	27.8	0.0
-35°	362.5	285.4	210.4	140.9	77.6	27.0	0.0
-37.5°	347.9	273.3	201.1	135.1	74.1	26.2	0.0
-40°	332.3	260.9	191.2	128.9	70.4	25.3	0.0
-42.5°	315.8	247.9	181.5	122.3	66.4	24.3	0.0
-45°	298.4	234.4	172.0	115.1	62.3	23.3	0.0
-47.5°	280.1	220.4	161.9	107.6	57.9	22.3	0.0
-50°	262.5	205.8	151.4	100.3	53.3	21.2	0.0
-52.5°	244.6	190.8	140.4	92.8	48.4	20.1	0.0
-55°	226.2	176.3	129.0	85.2	43.5	18.9	0.0
-57.5°	207.3	161.4	117.2	77.2	38.3	17.7	0.0
-60°	188.1	146.0	105.1	69.1	33.0	16.5	0.0
-62.5°	168.9	130.2	94.0	60.8	30.4	15.2	0.0
-65°	149.2	114.0	82.7	52.3	27.9	13.9	0.0
-67.5°	129.0	98.5	71.1	43.6	25.2	12.6	0.0
-70°	108.4	83.8	59.3	34.7	22.5	11.3	0.0
-72.5°	90.1	68.8	47.3	29.7	19.8	9.9	0.0
-75°	72.0	53.7	35.2	25.6	17.1	8.5	0.0
-77.5°	53.7	38.4	28.4	21.4	14.3	7.1	0.0
-80°	35.2	28.4	22.8	17.1	11.4	5.7	0.0
-82.5°	25.6	21.4	17.1	12.9	8.6	4.3	0.0
-85°	17.1	14.3	11.4	8.6	5.7	2.9	0.0
-87.5°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)