

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-727-U-MWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627737 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-727-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N114
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

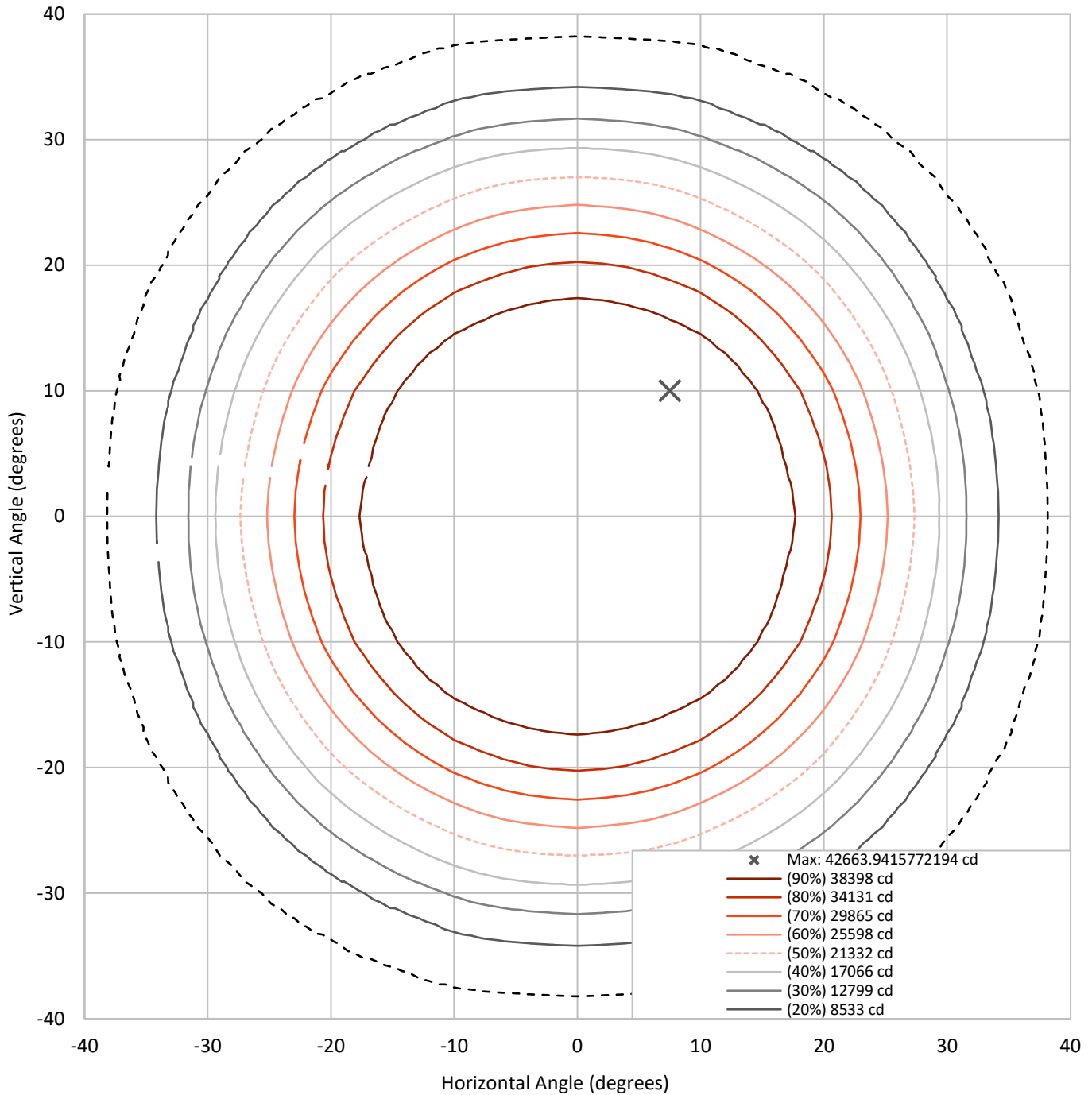
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	36311 lumens	Max Intensity:	42663.9 candela
Efficiency:	N/A	Max Intensity Angle:	7.5°H x 10°V
Efficacy:	115.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	24101.1 lumens	Field Lumens:	31338.3 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	313.7		
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





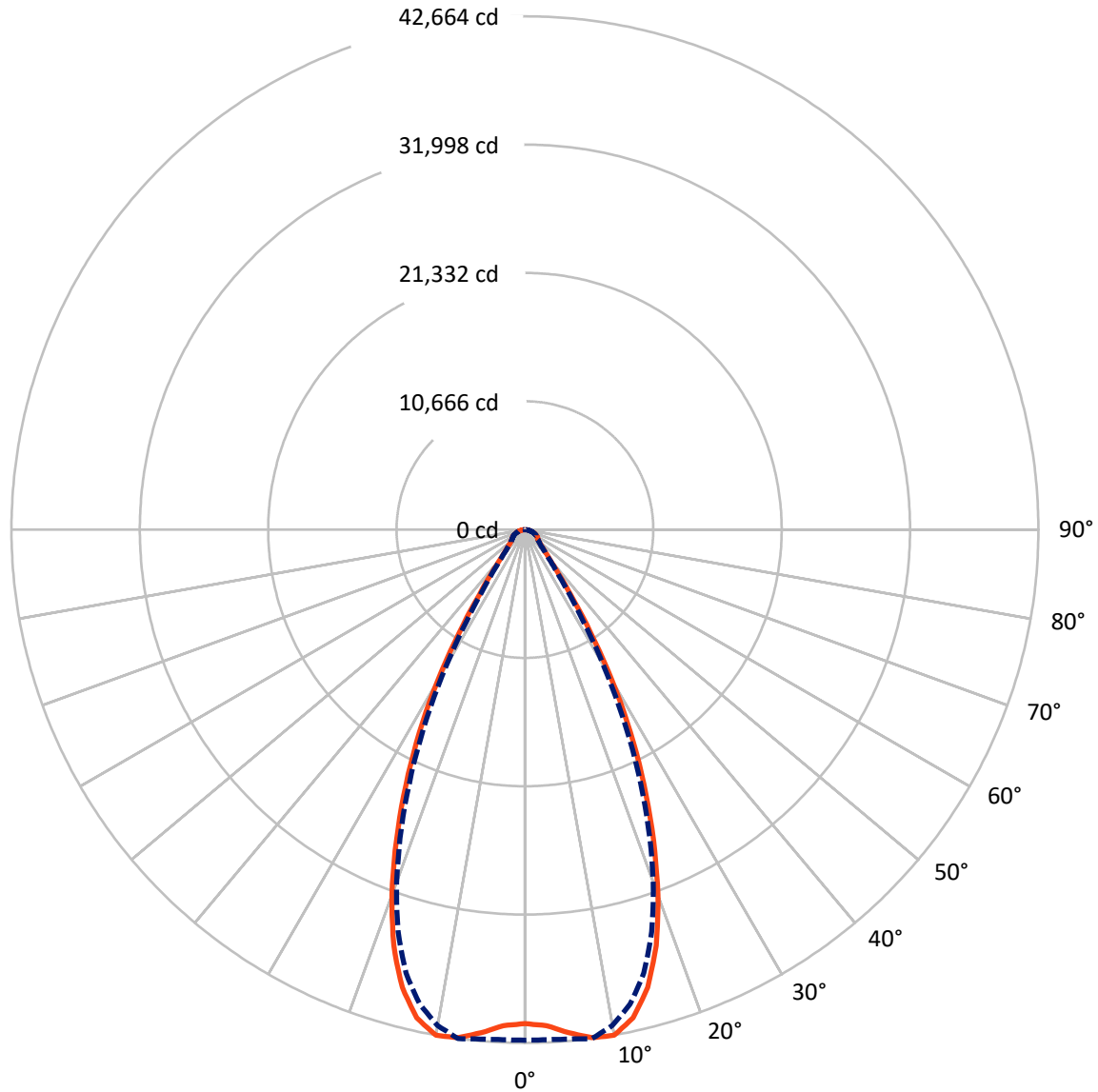
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Lumen Table

90																			
80	0.9	8.5		22.8		36.1		40.3		36.1		22.8		8.5		0.9			
70																			
60	3.9	4.4	8.9	14.5	20.3	24.7	27.9	29.5	29.5	27.9	24.7	20.3	14.5	8.9	4.4	3.9			
50		6.5	13.1	21.0	28.0	33.9	37.9	39.6	39.6	37.9	33.9	28.0	21.0	13.1	6.5				
40	6.8	8.4	16.6	25.4	34.1	44.4	55.8	64.0	64.0	55.8	44.4	34.1	25.4	16.6	8.4	6.8			
30		10.0	19.3	29.2	45.2	82.5	157.9	234.1	234.1	157.9	82.5	45.2	29.2	19.3	10.0				
20	8.8	11.2	21.0	34.1	74.4	233.1	523.0	730.2	730.2	523.0	233.1	74.4	34.1	21.0	11.2	8.8			
10		12.0	22.1	40.5	134.4	496.9	949.0	1187.7	1187.7	949.0	496.9	134.4	40.5	22.1	12.0				
0	9.5	12.3	22.7	45.6	193.6	680.0	1151.3	1252.6	1252.6	1151.3	680.0	193.6	45.6	22.7	12.3	9.5			
-10		12.3	22.7	45.6	193.6	680.0	1151.3	1252.6	1252.6	1151.3	680.0	193.6	45.6	22.7	12.3				
-20	8.8	12.0	22.1	40.5	134.4	496.9	949.0	1187.7	1187.7	949.0	496.9	134.4	40.5	22.1	12.0	8.8			
-30		11.2	21.0	34.1	74.4	233.1	523.0	730.2	730.2	523.0	233.1	74.4	34.1	21.0	11.2				
-40	6.8	10.0	19.3	29.2	45.2	82.5	157.9	234.1	234.1	157.9	82.5	45.2	29.2	19.3	10.0	6.8			
-50		8.4	16.6	25.4	34.1	44.4	55.8	64.0	64.0	55.8	44.4	34.1	25.4	16.6	8.4				
-60	3.9	6.5	13.1	21.0	28.0	33.9	37.9	39.6	39.6	37.9	33.9	28.0	21.0	13.1	6.5	3.9			
-70		4.4	8.9	14.5	20.3	24.7	27.9	29.5	29.5	27.9	24.7	20.3	14.5	8.9	4.4				
-80	0.9	8.5		22.8		36.1		40.3		36.1		22.8		8.5		0.9			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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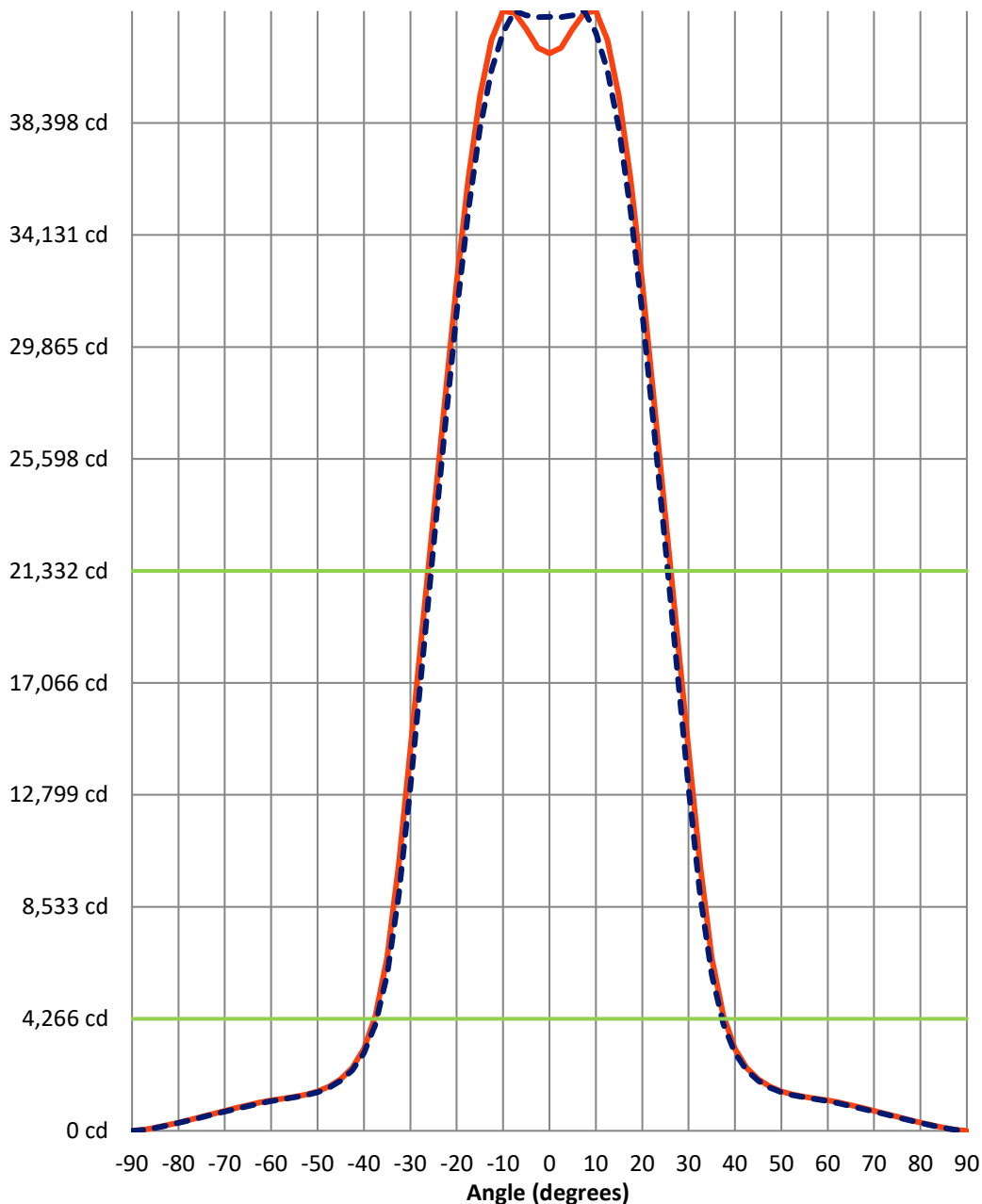
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 24101.1
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 31338.3
 Efficiency: 86.3%

Spill:
 Lumens: 4972.7
 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	4.9	6.5	8.1	9.7	11.8	14.0	16.4	18.9
85°	0.0	3.2	6.5	9.7	12.9	16.1	19.3	23.5	28.0	32.8	37.8
82.5°	0.0	4.9	9.7	14.6	19.4	24.2	28.9	35.2	42.8	53.9	64.5
80°	0.0	6.5	12.9	19.4	25.8	32.1	39.8	54.9	69.3	82.9	95.8
77.5°	0.0	8.1	16.1	24.2	32.1	43.4	60.7	78.6	95.7	111.8	129.1
75°	0.0	9.7	19.3	28.9	39.8	60.7	81.4	102.2	122.5	146.0	169.2
72.5°	0.0	11.2	22.4	33.6	53.5	77.8	101.9	126.8	154.5	181.9	208.8
70°	0.0	12.8	25.5	39.2	67.1	94.7	122.5	154.5	186.1	217.3	250.1
67.5°	0.0	14.3	28.5	49.2	80.4	111.3	145.8	181.9	217.3	253.9	291.2
65°	0.0	15.8	31.5	59.1	93.5	128.9	168.6	208.8	248.8	289.7	333.1
62.5°	0.0	17.2	34.4	68.7	106.3	147.2	190.9	235.3	279.5	325.7	378.1
60°	0.0	18.6	37.3	78.1	118.9	165.1	212.6	261.2	309.4	364.8	421.9
57.5°	0.0	20.0	43.3	87.3	132.5	182.4	234.3	286.3	341.9	402.7	463.2
55°	0.0	21.4	49.1	96.3	145.8	199.2	255.7	310.9	374.3	439.2	502.9
52.5°	0.0	22.7	54.8	105.0	158.7	215.7	276.5	338.0	405.5	473.9	541.4
50°	0.0	24.0	60.2	113.3	171.1	232.6	296.7	364.4	435.4	507.4	578.7
47.5°	0.0	25.2	65.4	121.6	183.0	249.1	316.7	389.7	464.2	539.8	614.7
45°	0.0	26.4	70.4	130.1	194.4	265.0	337.3	413.9	491.9	570.9	649.4
42.5°	0.0	27.5	75.1	138.2	205.2	280.3	357.0	436.9	518.3	600.7	682.2
40°	0.0	28.6	79.6	145.7	216.2	295.0	375.7	458.7	543.4	629.2	713.7
37.5°	0.0	29.6	83.8	152.7	227.3	309.0	393.3	479.2	567.8	656.7	744.0
35°	0.0	30.6	87.7	159.3	237.8	322.6	409.8	498.4	590.9	682.4	772.2
32.5°	0.0	31.5	91.3	165.4	247.8	335.5	425.1	516.2	612.9	706.3	797.0
30°	0.0	32.3	94.7	171.1	257.2	347.5	439.4	533.0	633.6	728.4	820.2
27.5°	0.0	33.1	97.8	176.3	265.4	358.5	452.4	549.6	652.4	748.5	841.6
25°	0.0	33.8	100.6	181.1	273.0	368.6	464.3	564.9	668.8	766.3	861.2
22.5°	0.0	34.5	103.0	185.4	279.8	377.5	474.9	578.8	683.6	782.1	879.0
20°	0.0	35.0	105.2	189.2	285.8	385.1	484.3	591.5	696.6	796.2	894.8
17.5°	0.0	35.6	107.1	192.5	291.1	391.8	492.9	602.7	707.9	808.6	908.7
15°	0.0	36.0	108.7	195.3	295.6	397.5	500.5	612.7	717.5	819.1	920.6
12.5°	0.0	36.4	110.0	197.6	299.4	402.2	507.1	621.7	726.0	827.9	930.4
10°	0.0	36.7	111.0	199.5	302.3	405.9	512.6	629.0	733.4	836.1	938.8
7.5°	0.0	37.0	111.7	200.8	304.5	408.6	517.0	634.7	739.1	842.7	946.2
5°	0.0	37.2	112.1	201.6	305.8	410.3	520.1	638.8	743.3	847.4	951.5
2.5°	0.0	37.3	112.2	201.8	306.4	411.0	522.1	641.3	745.8	850.3	954.6
0°	0.0	37.3	112.0	201.6	306.1	410.7	522.7	642.1	746.6	851.2	955.7
-2.5°	0.0	37.3	112.2	201.8	306.4	411.0	522.1	641.3	745.8	850.3	954.6
-5°	0.0	37.2	112.1	201.6	305.8	410.3	520.1	638.8	743.3	847.4	951.5
-7.5°	0.0	37.0	111.7	200.8	304.5	408.6	517.0	634.7	739.1	842.7	946.2
-10°	0.0	36.7	111.0	199.5	302.3	405.9	512.6	629.0	733.4	836.1	938.8
-12.5°	0.0	36.4	110.0	197.6	299.4	402.2	507.1	621.7	726.0	827.9	930.4
-15°	0.0	36.0	108.7	195.3	295.6	397.5	500.5	612.7	717.5	819.1	920.6
-17.5°	0.0	35.6	107.1	192.5	291.1	391.8	492.9	602.7	707.9	808.6	908.7
-20°	0.0	35.0	105.2	189.2	285.8	385.1	484.3	591.5	696.6	796.2	894.8

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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	34.5	103.0	185.4	279.8	377.5	474.9	578.8	683.6	782.1	879.0
-25°	0.0	33.8	100.6	181.1	273.0	368.6	464.3	564.9	668.8	766.3	861.2
-27.5°	0.0	33.1	97.8	176.3	265.4	358.5	452.4	549.6	652.4	748.5	841.6
-30°	0.0	32.3	94.7	171.1	257.2	347.5	439.4	533.0	633.6	728.4	820.2
-32.5°	0.0	31.5	91.3	165.4	247.8	335.5	425.1	516.2	612.9	706.3	797.0
-35°	0.0	30.6	87.7	159.3	237.8	322.6	409.8	498.4	590.9	682.4	772.2
-37.5°	0.0	29.6	83.8	152.7	227.3	309.0	393.3	479.2	567.8	656.7	744.0
-40°	0.0	28.6	79.6	145.7	216.2	295.0	375.7	458.7	543.4	629.2	713.7
-42.5°	0.0	27.5	75.1	138.2	205.2	280.3	357.0	436.9	518.3	600.7	682.2
-45°	0.0	26.4	70.4	130.1	194.4	265.0	337.3	413.9	491.9	570.9	649.4
-47.5°	0.0	25.2	65.4	121.6	183.0	249.1	316.7	389.7	464.2	539.8	614.7
-50°	0.0	24.0	60.2	113.3	171.1	232.6	296.7	364.4	435.4	507.4	578.7
-52.5°	0.0	22.7	54.8	105.0	158.7	215.7	276.5	338.0	405.5	473.9	541.4
-55°	0.0	21.4	49.1	96.3	145.8	199.2	255.7	310.9	374.3	439.2	502.9
-57.5°	0.0	20.0	43.3	87.3	132.5	182.4	234.3	286.3	341.9	402.7	463.2
-60°	0.0	18.6	37.3	78.1	118.9	165.1	212.6	261.2	309.4	364.8	421.9
-62.5°	0.0	17.2	34.4	68.7	106.3	147.2	190.9	235.3	279.5	325.7	378.1
-65°	0.0	15.8	31.5	59.1	93.5	128.9	168.6	208.8	248.8	289.7	333.1
-67.5°	0.0	14.3	28.5	49.2	80.4	111.3	145.8	181.9	217.3	253.9	291.2
-70°	0.0	12.8	25.5	39.2	67.1	94.7	122.5	154.5	186.1	217.3	250.1
-72.5°	0.0	11.2	22.4	33.6	53.5	77.8	101.9	126.8	154.5	181.9	208.8
-75°	0.0	9.7	19.3	28.9	39.8	60.7	81.4	102.2	122.5	146.0	169.2
-77.5°	0.0	8.1	16.1	24.2	32.1	43.4	60.7	78.6	95.7	111.8	129.1
-80°	0.0	6.5	12.9	19.4	25.8	32.1	39.8	54.9	69.3	82.9	95.8
-82.5°	0.0	4.9	9.7	14.6	19.4	24.2	28.9	35.2	42.8	53.9	64.5
-85°	0.0	3.2	6.5	9.7	12.9	16.1	19.3	23.5	28.0	32.8	37.8
-87.5°	0.0	1.6	3.2	4.9	6.5	8.1	9.7	11.8	14.0	16.4	18.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.7	22.4	24.1	25.7	27.3	28.8	30.3	31.7	33.0	34.3	35.5
85°	41.3	44.8	50.7	56.8	62.6	68.2	73.6	78.7	83.7	88.4	92.9
82.5°	74.0	83.7	93.5	103.6	112.4	120.8	129.0	137.5	146.0	154.4	162.8
80°	108.8	122.3	137.7	152.4	165.2	177.4	189.2	200.5	212.8	226.0	239.3
77.5°	149.1	168.2	186.3	203.2	219.5	237.3	254.5	271.0	288.2	305.2	321.5
75°	192.1	214.1	237.2	259.9	282.0	303.4	324.2	345.5	367.0	388.4	408.8
72.5°	236.6	264.5	291.7	318.3	345.6	372.4	398.2	423.1	448.7	474.9	499.9
70°	282.9	314.7	348.2	380.6	411.5	442.7	474.2	504.5	534.2	564.5	594.6
67.5°	329.6	369.4	407.2	443.1	479.5	516.2	551.7	588.1	623.2	658.5	692.2
65°	380.9	424.4	465.7	506.8	548.1	591.2	633.3	673.8	714.6	754.0	789.4
62.5°	431.1	477.5	523.2	570.0	619.2	667.6	713.5	760.0	807.3	848.6	884.5
60°	477.4	528.9	580.0	633.4	687.8	739.8	791.2	841.7	892.7	940.2	969.5
57.5°	522.1	579.0	635.7	693.1	750.4	808.5	862.5	918.1	965.5	1005.5	1039.5
55°	565.7	627.4	687.8	748.1	809.9	870.6	929.5	982.2	1028.5	1061.9	1094.7
52.5°	608.1	673.2	735.5	800.7	866.4	930.9	992.3	1041.3	1079.2	1113.3	1143.9
50°	649.2	715.4	781.2	851.8	921.3	989.4	1047.2	1090.0	1128.6	1161.9	1194.0
47.5°	687.6	756.7	827.0	901.3	974.4	1040.3	1093.3	1138.2	1177.6	1213.5	1251.5
45°	724.7	797.9	872.3	949.0	1023.6	1087.3	1138.4	1186.8	1223.7	1264.2	1307.7
42.5°	760.6	837.6	915.5	994.7	1070.1	1129.6	1180.8	1225.1	1268.4	1316.4	1369.0
40°	794.8	875.0	956.3	1038.7	1114.0	1166.7	1216.8	1263.8	1316.4	1373.4	1434.3
37.5°	826.9	910.1	994.6	1080.2	1146.2	1200.6	1251.8	1304.2	1365.4	1431.4	1514.2
35°	856.9	942.9	1030.2	1112.3	1175.1	1232.8	1285.8	1344.2	1415.7	1502.0	1608.0
32.5°	884.6	973.1	1063.0	1138.4	1201.8	1261.7	1316.1	1388.9	1474.9	1577.6	1727.6
30°	910.3	1000.9	1091.1	1164.0	1225.8	1285.9	1352.2	1434.2	1534.7	1684.7	1876.7
27.5°	934.0	1026.0	1113.1	1185.3	1247.3	1309.2	1386.8	1486.3	1618.6	1797.5	2036.2
25°	955.8	1050.1	1134.1	1203.1	1267.2	1335.8	1420.2	1532.0	1705.9	1937.1	2259.6
22.5°	975.6	1071.8	1154.3	1218.6	1285.8	1360.2	1458.6	1598.5	1799.0	2069.0	2484.8
20°	993.2	1088.2	1169.5	1233.1	1303.0	1380.4	1492.9	1661.5	1903.4	2252.9	2783.8
17.5°	1008.7	1102.6	1180.8	1247.1	1319.8	1403.3	1526.2	1716.1	1996.1	2413.4	3086.1
15°	1021.9	1114.9	1190.3	1259.1	1334.4	1429.4	1572.6	1787.5	2103.8	2580.4	3349.5
12.5°	1032.9	1125.0	1198.1	1268.9	1346.4	1451.3	1612.3	1854.9	2215.6	2785.5	3737.7
10°	1041.5	1132.9	1204.1	1276.4	1355.8	1468.8	1644.5	1909.9	2308.3	2963.2	4068.8
7.5°	1049.5	1138.8	1208.3	1281.8	1362.6	1481.8	1669.0	1952.4	2379.3	3102.7	4330.9
5°	1055.5	1142.3	1210.6	1284.9	1368.2	1490.4	1685.7	1981.8	2428.4	3202.4	4515.3
2.5°	1059.0	1143.5	1211.0	1285.7	1372.3	1494.2	1694.3	1998.1	2466.9	3249.6	4614.3
0°	1060.2	1142.4	1209.6	1284.2	1373.8	1493.3	1694.9	2001.0	2486.3	3247.9	4629.2
-2.5°	1059.0	1143.5	1211.0	1285.7	1372.3	1494.2	1694.3	1998.1	2466.9	3249.6	4614.3
-5°	1055.5	1142.3	1210.6	1284.9	1368.2	1490.4	1685.7	1981.8	2428.4	3202.4	4515.3
-7.5°	1049.5	1138.8	1208.3	1281.8	1362.6	1481.8	1669.0	1952.4	2379.3	3102.7	4330.9
-10°	1041.5	1132.9	1204.1	1276.4	1355.8	1468.8	1644.5	1909.9	2308.3	2963.2	4068.8
-12.5°	1032.9	1125.0	1198.1	1268.9	1346.4	1451.3	1612.3	1854.9	2215.6	2785.5	3737.7
-15°	1021.9	1114.9	1190.3	1259.1	1334.4	1429.4	1572.6	1787.5	2103.8	2580.4	3349.5
-17.5°	1008.7	1102.6	1180.8	1247.1	1319.8	1403.3	1526.2	1716.1	1996.1	2413.4	3086.1
-20°	993.2	1088.2	1169.5	1233.1	1303.0	1380.4	1492.9	1661.5	1903.4	2252.9	2783.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-727-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°	975.6	1071.8	1154.3	1218.6	1285.8	1360.2	1458.6	1598.5	1799.0	2069.0	2484.8
-25°	955.8	1050.1	1134.1	1203.1	1267.2	1335.8	1420.2	1532.0	1705.9	1937.1	2259.6
-27.5°	934.0	1026.0	1113.1	1185.3	1247.3	1309.2	1386.8	1486.3	1618.6	1797.5	2036.2
-30°	910.3	1000.9	1091.1	1164.0	1225.8	1285.9	1352.2	1434.2	1534.7	1684.7	1876.7
-32.5°	884.6	973.1	1063.0	1138.4	1201.8	1261.7	1316.1	1388.9	1474.9	1577.6	1727.6
-35°	856.9	942.9	1030.2	1112.3	1175.1	1232.8	1285.8	1344.2	1415.7	1502.0	1608.0
-37.5°	826.9	910.1	994.6	1080.2	1146.2	1200.6	1251.8	1304.2	1365.4	1431.4	1514.2
-40°	794.8	875.0	956.3	1038.7	1114.0	1166.7	1216.8	1263.8	1316.4	1373.4	1434.3
-42.5°	760.6	837.6	915.5	994.7	1070.1	1129.6	1180.8	1225.1	1268.4	1316.4	1369.0
-45°	724.7	797.9	872.3	949.0	1023.6	1087.3	1138.4	1186.8	1223.7	1264.2	1307.7
-47.5°	687.6	756.7	827.0	901.3	974.4	1040.3	1093.3	1138.2	1177.6	1213.5	1251.5
-50°	649.2	715.4	781.2	851.8	921.3	989.4	1047.2	1090.0	1128.6	1161.9	1194.0
-52.5°	608.1	673.2	735.5	800.7	866.4	930.9	992.3	1041.3	1079.2	1113.3	1143.9
-55°	565.7	627.4	687.8	748.1	809.9	870.6	929.5	982.2	1028.5	1061.9	1094.7
-57.5°	522.1	579.0	635.7	693.1	750.4	808.5	862.5	918.1	965.5	1005.5	1039.5
-60°	477.4	528.9	580.0	633.4	687.8	739.8	791.2	841.7	892.7	940.2	969.5
-62.5°	431.1	477.5	523.2	570.0	619.2	667.6	713.5	760.0	807.3	848.6	884.5
-65°	380.9	424.4	465.7	506.8	548.1	591.2	633.3	673.8	714.6	754.0	789.4
-67.5°	329.6	369.4	407.2	443.1	479.5	516.2	551.7	588.1	623.2	658.5	692.2
-70°	282.9	314.7	348.2	380.6	411.5	442.7	474.2	504.5	534.2	564.5	594.6
-72.5°	236.6	264.5	291.7	318.3	345.6	372.4	398.2	423.1	448.7	474.9	499.9
-75°	192.1	214.1	237.2	259.9	282.0	303.4	324.2	345.5	367.0	388.4	408.8
-77.5°	149.1	168.2	186.3	203.2	219.5	237.3	254.5	271.0	288.2	305.2	321.5
-80°	108.8	122.3	137.7	152.4	165.2	177.4	189.2	200.5	212.8	226.0	239.3
-82.5°	74.0	83.7	93.5	103.6	112.4	120.8	129.0	137.5	146.0	154.4	162.8
-85°	41.3	44.8	50.7	56.8	62.6	68.2	73.6	78.7	83.7	88.4	92.9
-87.5°	20.7	22.4	24.1	25.7	27.3	28.8	30.3	31.7	33.0	34.3	35.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	36.7	36.2	35.6	34.8	33.8	36.2	38.6	40.9	43.3	41.9	40.4
85°	97.1	99.3	101.2	102.8	104.1	108.8	113.2	117.4	121.3	121.2	120.7
82.5°	171.0	176.5	181.2	185.5	189.2	194.6	199.5	203.7	207.3	210.0	212.2
80°	252.0	260.9	268.6	275.5	281.8	289.0	295.6	301.5	306.7	309.5	311.3
77.5°	337.5	350.6	362.3	373.4	384.0	394.4	404.0	412.5	419.8	421.6	421.2
75°	428.2	445.7	462.1	477.4	491.5	503.6	513.8	522.4	529.4	532.9	534.8
72.5°	523.7	545.2	564.6	582.1	597.0	609.5	620.3	629.6	637.5	642.5	645.5
70°	623.2	648.7	668.6	685.0	697.9	710.2	724.1	737.4	749.8	756.8	759.5
67.5°	723.0	749.5	767.7	782.7	794.4	806.6	824.1	839.9	853.9	863.4	869.4
65°	820.7	848.6	866.9	881.2	892.0	904.2	923.8	939.4	951.4	960.8	969.4
62.5°	917.3	945.4	965.7	982.7	998.4	1011.9	1028.0	1041.1	1051.3	1060.6	1071.2
60°	1001.0	1034.3	1055.6	1072.9	1092.3	1113.3	1125.1	1135.0	1143.5	1151.0	1157.6
57.5°	1069.3	1099.0	1126.5	1147.2	1167.4	1186.9	1200.9	1210.1	1217.6	1223.2	1225.4
55°	1126.5	1157.2	1187.8	1210.2	1230.1	1248.4	1263.7	1275.7	1285.7	1293.6	1295.4
52.5°	1177.7	1212.2	1242.2	1268.1	1294.4	1315.9	1332.8	1349.2	1363.5	1375.0	1380.0
50°	1233.5	1269.6	1307.0	1341.8	1369.7	1394.3	1414.7	1437.9	1462.3	1482.4	1495.1
47.5°	1292.1	1333.7	1379.0	1421.7	1454.9	1491.3	1525.1	1559.5	1604.8	1642.9	1671.1
45°	1353.4	1406.8	1458.5	1512.8	1558.6	1627.2	1690.9	1745.6	1818.2	1884.2	1936.5
42.5°	1425.8	1492.3	1555.7	1642.8	1734.0	1827.6	1928.9	2015.2	2128.8	2244.5	2337.8
40°	1511.6	1596.6	1708.3	1825.2	1969.1	2097.9	2272.7	2428.3	2602.7	2823.1	3005.2
37.5°	1614.9	1745.8	1901.2	2064.1	2288.5	2502.8	2791.6	3096.1	3372.3	3796.3	4153.0
35°	1749.1	1932.0	2136.7	2425.0	2742.5	3144.2	3594.8	4182.8	4687.0	5402.2	6085.6
32.5°	1922.0	2157.1	2491.3	2936.4	3405.8	4135.1	4850.1	5871.0	6816.3	7949.8	9173.2
30°	2114.3	2472.2	2982.8	3593.4	4468.9	5541.8	6802.1	8370.1	10086.1	11679.3	13249.3
27.5°	2393.0	2905.9	3576.7	4561.9	5926.4	7427.4	9635.7	11764.2	13984.8	15958.7	17605.0
25°	2718.5	3396.3	4433.4	5884.2	7729.6	10299.8	12943.4	15570.3	17958.4	20024.9	21843.9
22.5°	3138.8	4113.5	5496.2	7375.4	10249.0	13329.5	16429.5	19326.9	21874.4	24175.6	26144.6
20°	3596.0	4815.6	6790.3	9592.3	12878.5	16388.1	19888.4	22974.8	25779.7	28388.9	30608.2
17.5°	4175.4	5883.5	8384.1	11745.4	15544.8	19390.1	23067.2	26416.6	29598.9	32359.9	34678.6
15°	4669.2	6823.9	10087.4	14029.7	18139.3	22195.5	26077.6	29715.8	33024.3	35857.1	38036.9
12.5°	5327.8	7877.9	11599.8	15993.5	20446.8	24714.9	28803.9	32564.2	35931.2	38732.8	40429.8
10°	5950.4	8969.0	13061.6	17643.5	22270.2	26817.7	31183.7	35040.2	38166.3	40394.9	41841.1
7.5°	6479.8	9906.8	14250.6	18977.3	23718.9	28473.3	32892.9	36645.1	39527.5	41388.7	42395.4
5°	6875.0	10607.9	15133.2	20061.0	24926.6	29764.5	34149.6	37672.0	40163.3	41545.9	42051.4
2.5°	7126.9	11019.6	15645.4	20772.1	25734.9	30581.5	35011.6	38478.8	40592.5	41509.0	41596.0
0°	7227.6	11072.8	15724.4	21145.1	25938.6	30814.2	35256.8	38810.8	40752.1	41506.3	41491.3
-2.5°	7126.9	11019.6	15645.4	20772.1	25734.9	30581.5	35011.6	38478.8	40592.5	41509.0	41596.0
-5°	6875.0	10607.9	15133.2	20061.0	24926.6	29764.5	34149.6	37672.0	40163.3	41545.9	42051.4
-7.5°	6479.8	9906.8	14250.6	18977.3	23718.9	28473.3	32892.9	36645.1	39527.5	41388.7	42395.4
-10°	5950.4	8969.0	13061.6	17643.5	22270.2	26817.7	31183.7	35040.2	38166.3	40394.9	41841.1
-12.5°	5327.8	7877.9	11599.8	15993.5	20446.8	24714.9	28803.9	32564.2	35931.2	38732.8	40429.8
-15°	4669.2	6823.9	10087.4	14029.7	18139.3	22195.5	26077.6	29715.8	33024.3	35857.1	38036.9
-17.5°	4175.4	5883.5	8384.1	11745.4	15544.8	19390.1	23067.2	26416.6	29598.9	32359.9	34678.6
-20°	3596.0	4815.6	6790.3	9592.3	12878.5	16388.1	19888.4	22974.8	25779.7	28388.9	30608.2



REPORT NUMBER: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3138.8	4113.5	5496.2	7375.4	10249.0	13329.5	16429.5	19326.9	21874.4	24175.6	26144.6
-25°	2718.5	3396.3	4433.4	5884.2	7729.6	10299.8	12943.4	15570.3	17958.4	20024.9	21843.9
-27.5°	2393.0	2905.9	3576.7	4561.9	5926.4	7427.4	9635.7	11764.2	13984.8	15958.7	17605.0
-30°	2114.3	2472.2	2982.8	3593.4	4468.9	5541.8	6802.1	8370.1	10086.1	11679.3	13249.3
-32.5°	1922.0	2157.1	2491.3	2936.4	3405.8	4135.1	4850.1	5871.0	6816.3	7949.8	9173.2
-35°	1749.1	1932.0	2136.7	2425.0	2742.5	3144.2	3594.8	4182.8	4687.0	5402.2	6085.6
-37.5°	1614.9	1745.8	1901.2	2064.1	2288.5	2502.8	2791.6	3096.1	3372.3	3796.3	4153.0
-40°	1511.6	1596.6	1708.3	1825.2	1969.1	2097.9	2272.7	2428.3	2602.7	2823.1	3005.2
-42.5°	1425.8	1492.3	1555.7	1642.8	1734.0	1827.6	1928.9	2015.2	2128.8	2244.5	2337.8
-45°	1353.4	1406.8	1458.5	1512.8	1558.6	1627.2	1690.9	1745.6	1818.2	1884.2	1936.5
-47.5°	1292.1	1333.7	1379.0	1421.7	1454.9	1491.3	1525.1	1559.5	1604.8	1642.9	1671.1
-50°	1233.5	1269.6	1307.0	1341.8	1369.7	1394.3	1414.7	1437.9	1462.3	1482.4	1495.1
-52.5°	1177.7	1212.2	1242.2	1268.1	1294.4	1315.9	1332.8	1349.2	1363.5	1375.0	1380.0
-55°	1126.5	1157.2	1187.8	1210.2	1230.1	1248.4	1263.7	1275.7	1285.7	1293.6	1295.4
-57.5°	1069.3	1099.0	1126.5	1147.2	1167.4	1186.9	1200.9	1210.1	1217.6	1223.2	1225.4
-60°	1001.0	1034.3	1055.6	1072.9	1092.3	1113.3	1125.1	1135.0	1143.5	1151.0	1157.6
-62.5°	917.3	945.4	965.7	982.7	998.4	1011.9	1028.0	1041.1	1051.3	1060.6	1071.2
-65°	820.7	848.6	866.9	881.2	892.0	904.2	923.8	939.4	951.4	960.8	969.4
-67.5°	723.0	749.5	767.7	782.7	794.4	806.6	824.1	839.9	853.9	863.4	869.4
-70°	623.2	648.7	668.6	685.0	697.9	710.2	724.1	737.4	749.8	756.8	759.5
-72.5°	523.7	545.2	564.6	582.1	597.0	609.5	620.3	629.6	637.5	642.5	645.5
-75°	428.2	445.7	462.1	477.4	491.5	503.6	513.8	522.4	529.4	532.9	534.8
-77.5°	337.5	350.6	362.3	373.4	384.0	394.4	404.0	412.5	419.8	421.6	421.2
-80°	252.0	260.9	268.6	275.5	281.8	289.0	295.6	301.5	306.7	309.5	311.3
-82.5°	171.0	176.5	181.2	185.5	189.2	194.6	199.5	203.7	207.3	210.0	212.2
-85°	97.1	99.3	101.2	102.8	104.1	108.8	113.2	117.4	121.3	121.2	120.7
-87.5°	36.7	36.2	35.6	34.8	33.8	36.2	38.6	40.9	43.3	41.9	40.4
-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: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	38.8	37.2	37.3	37.3	37.3	37.2	38.8	40.4	41.9	43.3	40.9
85°	120.0	118.9	115.6	112.0	115.6	118.9	120.0	120.7	121.2	121.3	117.4
82.5°	214.0	215.4	212.6	209.1	212.6	215.4	214.0	212.2	210.0	207.3	203.7
80°	312.1	312.2	309.5	306.1	309.5	312.2	312.1	311.3	309.5	306.7	301.5
77.5°	419.4	416.3	417.6	418.1	417.6	416.3	419.4	421.2	421.6	419.8	412.5
75°	535.5	535.1	533.3	530.1	533.3	535.1	535.5	534.8	532.9	529.4	522.4
72.5°	646.9	646.9	645.3	642.1	645.3	646.9	646.9	645.5	642.5	637.5	629.6
70°	760.1	758.8	760.7	761.6	760.7	758.8	760.1	759.5	756.8	749.8	737.4
67.5°	874.0	877.0	876.6	873.6	876.6	877.0	874.0	869.4	863.4	853.9	839.9
65°	976.3	981.4	984.5	985.6	984.5	981.4	976.3	969.4	960.8	951.4	939.4
62.5°	1079.4	1085.4	1085.7	1082.6	1085.7	1085.4	1079.4	1071.2	1060.6	1051.3	1041.1
60°	1161.2	1162.1	1160.7	1157.3	1160.7	1162.1	1161.2	1157.6	1151.0	1143.5	1135.0
57.5°	1225.4	1223.2	1220.6	1217.0	1220.6	1223.2	1225.4	1225.4	1223.2	1217.6	1210.1
55°	1294.4	1290.8	1287.8	1284.2	1287.8	1290.8	1294.4	1295.4	1293.6	1285.7	1275.7
52.5°	1381.1	1379.2	1377.0	1373.8	1377.0	1379.2	1381.1	1380.0	1375.0	1363.5	1349.2
50°	1501.6	1503.5	1503.3	1500.8	1503.3	1503.5	1501.6	1495.1	1482.4	1462.3	1437.9
47.5°	1689.0	1699.0	1705.7	1709.8	1705.7	1699.0	1689.0	1671.1	1642.9	1604.8	1559.5
45°	1970.1	1990.0	2004.1	2016.0	2004.1	1990.0	1970.1	1936.5	1884.2	1818.2	1745.6
42.5°	2403.5	2448.2	2469.3	2463.9	2469.3	2448.2	2403.5	2337.8	2244.5	2128.8	2015.2
40°	3126.6	3198.6	3238.5	3270.3	3238.5	3198.6	3126.6	3005.2	2823.1	2602.7	2428.3
37.5°	4396.5	4536.4	4610.0	4674.0	4610.0	4536.4	4396.5	4153.0	3796.3	3372.3	3096.1
35°	6596.3	6910.9	7079.4	7138.0	7079.4	6910.9	6596.3	6085.6	5402.2	4687.0	4182.8
32.5°	10125.2	10705.5	11026.4	11274.4	11026.4	10705.5	10125.2	9173.2	7949.8	6816.3	5871.0
30°	14492.5	15256.9	15681.4	15888.7	15681.4	15256.9	14492.5	13249.3	11679.3	10086.1	8370.1
27.5°	18969.6	19838.6	20296.2	20271.5	20296.2	19838.6	18969.6	17605.0	15958.7	13984.8	11764.2
25°	23403.3	24409.8	24865.9	25274.1	24865.9	24409.8	23403.3	21843.9	20024.9	17958.4	15570.3
22.5°	27887.5	29064.5	29706.7	30007.8	29706.7	29064.5	27887.5	26144.6	24175.6	21874.4	19326.9
20°	32318.4	33628.6	34310.4	34607.2	34310.4	33628.6	32318.4	30608.2	28388.9	25779.7	22974.8
17.5°	36248.2	37527.2	38177.0	38452.5	38177.0	37527.2	36248.2	34678.6	32359.9	29598.9	26416.6
15°	39386.0	40329.4	40882.0	41028.4	40882.0	40329.4	39386.0	38036.9	35857.1	33024.3	29715.8
12.5°	41555.1	41920.5	42186.2	42267.8	42186.2	41920.5	41555.1	40429.8	38732.8	35931.2	32564.2
10°	42663.9	42499.0	42430.9	42439.6	42430.9	42499.0	42663.9	41841.1	40394.9	38166.3	35040.2
7.5°	42587.7	42343.5	41853.1	41775.0	41853.1	42343.5	42587.7	42395.4	41388.7	39527.5	36645.1
5°	41975.8	41531.3	40717.3	40483.3	40717.3	41531.3	41975.8	42051.4	41545.9	40163.3	37672.0
2.5°	41262.7	40461.3	39711.4	39229.0	39711.4	40461.3	41262.7	41596.0	41509.0	40592.5	38478.8
0°	41050.8	40125.0	39154.3	38840.7	39154.3	40125.0	41050.8	41491.3	41506.3	40752.1	38810.8
-2.5°	41262.7	40461.3	39711.4	39229.0	39711.4	40461.3	41262.7	41596.0	41509.0	40592.5	38478.8
-5°	41975.8	41531.3	40717.3	40483.3	40717.3	41531.3	41975.8	42051.4	41545.9	40163.3	37672.0
-7.5°	42587.7	42343.5	41853.1	41775.0	41853.1	42343.5	42587.7	42395.4	41388.7	39527.5	36645.1
-10°	42663.9	42499.0	42430.9	42439.6	42430.9	42499.0	42663.9	41841.1	40394.9	38166.3	35040.2
-12.5°	41555.1	41920.5	42186.2	42267.8	42186.2	41920.5	41555.1	40429.8	38732.8	35931.2	32564.2
-15°	39386.0	40329.4	40882.0	41028.4	40882.0	40329.4	39386.0	38036.9	35857.1	33024.3	29715.8
-17.5°	36248.2	37527.2	38177.0	38452.5	38177.0	37527.2	36248.2	34678.6	32359.9	29598.9	26416.6
-20°	32318.4	33628.6	34310.4	34607.2	34310.4	33628.6	32318.4	30608.2	28388.9	25779.7	22974.8



REPORT NUMBER: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	27887.5	29064.5	29706.7	30007.8	29706.7	29064.5	27887.5	26144.6	24175.6	21874.4	19326.9
-25°	23403.3	24409.8	24865.9	25274.1	24865.9	24409.8	23403.3	21843.9	20024.9	17958.4	15570.3
-27.5°	18969.6	19838.6	20296.2	20271.5	20296.2	19838.6	18969.6	17605.0	15958.7	13984.8	11764.2
-30°	14492.5	15256.9	15681.4	15888.7	15681.4	15256.9	14492.5	13249.3	11679.3	10086.1	8370.1
-32.5°	10125.2	10705.5	11026.4	11274.4	11026.4	10705.5	10125.2	9173.2	7949.8	6816.3	5871.0
-35°	6596.3	6910.9	7079.4	7138.0	7079.4	6910.9	6596.3	6085.6	5402.2	4687.0	4182.8
-37.5°	4396.5	4536.4	4610.0	4674.0	4610.0	4536.4	4396.5	4153.0	3796.3	3372.3	3096.1
-40°	3126.6	3198.6	3238.5	3270.3	3238.5	3198.6	3126.6	3005.2	2823.1	2602.7	2428.3
-42.5°	2403.5	2448.2	2469.3	2463.9	2469.3	2448.2	2403.5	2337.8	2244.5	2128.8	2015.2
-45°	1970.1	1990.0	2004.1	2016.0	2004.1	1990.0	1970.1	1936.5	1884.2	1818.2	1745.6
-47.5°	1689.0	1699.0	1705.7	1709.8	1705.7	1699.0	1689.0	1671.1	1642.9	1604.8	1559.5
-50°	1501.6	1503.5	1503.3	1500.8	1503.3	1503.5	1501.6	1495.1	1482.4	1462.3	1437.9
-52.5°	1381.1	1379.2	1377.0	1373.8	1377.0	1379.2	1381.1	1380.0	1375.0	1363.5	1349.2
-55°	1294.4	1290.8	1287.8	1284.2	1287.8	1290.8	1294.4	1295.4	1293.6	1285.7	1275.7
-57.5°	1225.4	1223.2	1220.6	1217.0	1220.6	1223.2	1225.4	1225.4	1223.2	1217.6	1210.1
-60°	1161.2	1162.1	1160.7	1157.3	1160.7	1162.1	1161.2	1157.6	1151.0	1143.5	1135.0
-62.5°	1079.4	1085.4	1085.7	1082.6	1085.7	1085.4	1079.4	1071.2	1060.6	1051.3	1041.1
-65°	976.3	981.4	984.5	985.6	984.5	981.4	976.3	969.4	960.8	951.4	939.4
-67.5°	874.0	877.0	876.6	873.6	876.6	877.0	874.0	869.4	863.4	853.9	839.9
-70°	760.1	758.8	760.7	761.6	760.7	758.8	760.1	759.5	756.8	749.8	737.4
-72.5°	646.9	646.9	645.3	642.1	645.3	646.9	646.9	645.5	642.5	637.5	629.6
-75°	535.5	535.1	533.3	530.1	533.3	535.1	535.5	534.8	532.9	529.4	522.4
-77.5°	419.4	416.3	417.6	418.1	417.6	416.3	419.4	421.2	421.6	419.8	412.5
-80°	312.1	312.2	309.5	306.1	309.5	312.2	312.1	311.3	309.5	306.7	301.5
-82.5°	214.0	215.4	212.6	209.1	212.6	215.4	214.0	212.2	210.0	207.3	203.7
-85°	120.0	118.9	115.6	112.0	115.6	118.9	120.0	120.7	121.2	121.3	117.4
-87.5°	38.8	37.2	37.3	37.3	37.3	37.2	38.8	40.4	41.9	43.3	40.9
-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: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	38.6	36.2	33.8	34.8	35.6	36.2	36.7	35.5	34.3	33.0	31.7
85°	113.2	108.8	104.1	102.8	101.2	99.3	97.1	92.9	88.4	83.7	78.7
82.5°	199.5	194.6	189.2	185.5	181.2	176.5	171.0	162.8	154.4	146.0	137.5
80°	295.6	289.0	281.8	275.5	268.6	260.9	252.0	239.3	226.0	212.8	200.5
77.5°	404.0	394.4	384.0	373.4	362.3	350.6	337.5	321.5	305.2	288.2	271.0
75°	513.8	503.6	491.5	477.4	462.1	445.7	428.2	408.8	388.4	367.0	345.5
72.5°	620.3	609.5	597.0	582.1	564.6	545.2	523.7	499.9	474.9	448.7	423.1
70°	724.1	710.2	697.9	685.0	668.6	648.7	623.2	594.6	564.5	534.2	504.5
67.5°	824.1	806.6	794.4	782.7	767.7	749.5	723.0	692.2	658.5	623.2	588.1
65°	923.8	904.2	892.0	881.2	866.9	848.6	820.7	789.4	754.0	714.6	673.8
62.5°	1028.0	1011.9	998.4	982.7	965.7	945.4	917.3	884.5	848.6	807.3	760.0
60°	1125.1	1113.3	1092.3	1072.9	1055.6	1034.3	1001.0	969.5	940.2	892.7	841.7
57.5°	1200.9	1186.9	1167.4	1147.2	1126.5	1099.0	1069.3	1039.5	1005.5	965.5	918.1
55°	1263.7	1248.4	1230.1	1210.2	1187.8	1157.2	1126.5	1094.7	1061.9	1028.5	982.2
52.5°	1332.8	1315.9	1294.4	1268.1	1242.2	1212.2	1177.7	1143.9	1113.3	1079.2	1041.3
50°	1414.7	1394.3	1369.7	1341.8	1307.0	1269.6	1233.5	1194.0	1161.9	1128.6	1090.0
47.5°	1525.1	1491.3	1454.9	1421.7	1379.0	1333.7	1292.1	1251.5	1213.5	1177.6	1138.2
45°	1690.9	1627.2	1558.6	1512.8	1458.5	1406.8	1353.4	1307.7	1264.2	1223.7	1186.8
42.5°	1928.9	1827.6	1734.0	1642.8	1555.7	1492.3	1425.8	1369.0	1316.4	1268.4	1225.1
40°	2272.7	2097.9	1969.1	1825.2	1708.3	1596.6	1511.6	1434.3	1373.4	1316.4	1263.8
37.5°	2791.6	2502.8	2288.5	2064.1	1901.2	1745.8	1614.9	1514.2	1431.4	1365.4	1304.2
35°	3594.8	3144.2	2742.5	2425.0	2136.7	1932.0	1749.1	1608.0	1502.0	1415.7	1344.2
32.5°	4850.1	4135.1	3405.8	2936.4	2491.3	2157.1	1922.0	1727.6	1577.6	1474.9	1388.9
30°	6802.1	5541.8	4468.9	3593.4	2982.8	2472.2	2114.3	1876.7	1684.7	1534.7	1434.2
27.5°	9635.7	7427.4	5926.4	4561.9	3576.7	2905.9	2393.0	2036.2	1797.5	1618.6	1486.3
25°	12943.4	10299.8	7729.6	5884.2	4433.4	3396.3	2718.5	2259.6	1937.1	1705.9	1532.0
22.5°	16429.5	13329.5	10249.0	7375.4	5496.2	4113.5	3138.8	2484.8	2069.0	1799.0	1598.5
20°	19888.4	16388.1	12878.5	9592.3	6790.3	4815.6	3596.0	2783.8	2252.9	1903.4	1661.5
17.5°	23067.2	19390.1	15544.8	11745.4	8384.1	5883.5	4175.4	3086.1	2413.4	1996.1	1716.1
15°	26077.6	22195.5	18139.3	14029.7	10087.4	6823.9	4669.2	3349.5	2580.4	2103.8	1787.5
12.5°	28803.9	24714.9	20446.8	15993.5	11599.8	7877.9	5327.8	3737.7	2785.5	2215.6	1854.9
10°	31183.7	26817.7	22270.2	17643.5	13061.6	8969.0	5950.4	4068.8	2963.2	2308.3	1909.9
7.5°	32892.9	28473.3	23718.9	18977.3	14250.6	9906.8	6479.8	4330.9	3102.7	2379.3	1952.4
5°	34149.6	29764.5	24926.6	20061.0	15133.2	10607.9	6875.0	4515.3	3202.4	2428.4	1981.8
2.5°	35011.6	30581.5	25734.9	20772.1	15645.4	11019.6	7126.9	4614.3	3249.6	2466.9	1998.1
0°	35256.8	30814.2	25938.6	21145.1	15724.4	11072.8	7227.6	4629.2	3247.9	2486.3	2001.0
-2.5°	35011.6	30581.5	25734.9	20772.1	15645.4	11019.6	7126.9	4614.3	3249.6	2466.9	1998.1
-5°	34149.6	29764.5	24926.6	20061.0	15133.2	10607.9	6875.0	4515.3	3202.4	2428.4	1981.8
-7.5°	32892.9	28473.3	23718.9	18977.3	14250.6	9906.8	6479.8	4330.9	3102.7	2379.3	1952.4
-10°	31183.7	26817.7	22270.2	17643.5	13061.6	8969.0	5950.4	4068.8	2963.2	2308.3	1909.9
-12.5°	28803.9	24714.9	20446.8	15993.5	11599.8	7877.9	5327.8	3737.7	2785.5	2215.6	1854.9
-15°	26077.6	22195.5	18139.3	14029.7	10087.4	6823.9	4669.2	3349.5	2580.4	2103.8	1787.5
-17.5°	23067.2	19390.1	15544.8	11745.4	8384.1	5883.5	4175.4	3086.1	2413.4	1996.1	1716.1
-20°	19888.4	16388.1	12878.5	9592.3	6790.3	4815.6	3596.0	2783.8	2252.9	1903.4	1661.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-727-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16429.5	13329.5	10249.0	7375.4	5496.2	4113.5	3138.8	2484.8	2069.0	1799.0	1598.5
-25°	12943.4	10299.8	7729.6	5884.2	4433.4	3396.3	2718.5	2259.6	1937.1	1705.9	1532.0
-27.5°	9635.7	7427.4	5926.4	4561.9	3576.7	2905.9	2393.0	2036.2	1797.5	1618.6	1486.3
-30°	6802.1	5541.8	4468.9	3593.4	2982.8	2472.2	2114.3	1876.7	1684.7	1534.7	1434.2
-32.5°	4850.1	4135.1	3405.8	2936.4	2491.3	2157.1	1922.0	1727.6	1577.6	1474.9	1388.9
-35°	3594.8	3144.2	2742.5	2425.0	2136.7	1932.0	1749.1	1608.0	1502.0	1415.7	1344.2
-37.5°	2791.6	2502.8	2288.5	2064.1	1901.2	1745.8	1614.9	1514.2	1431.4	1365.4	1304.2
-40°	2272.7	2097.9	1969.1	1825.2	1708.3	1596.6	1511.6	1434.3	1373.4	1316.4	1263.8
-42.5°	1928.9	1827.6	1734.0	1642.8	1555.7	1492.3	1425.8	1369.0	1316.4	1268.4	1225.1
-45°	1690.9	1627.2	1558.6	1512.8	1458.5	1406.8	1353.4	1307.7	1264.2	1223.7	1186.8
-47.5°	1525.1	1491.3	1454.9	1421.7	1379.0	1333.7	1292.1	1251.5	1213.5	1177.6	1138.2
-50°	1414.7	1394.3	1369.7	1341.8	1307.0	1269.6	1233.5	1194.0	1161.9	1128.6	1090.0
-52.5°	1332.8	1315.9	1294.4	1268.1	1242.2	1212.2	1177.7	1143.9	1113.3	1079.2	1041.3
-55°	1263.7	1248.4	1230.1	1210.2	1187.8	1157.2	1126.5	1094.7	1061.9	1028.5	982.2
-57.5°	1200.9	1186.9	1167.4	1147.2	1126.5	1099.0	1069.3	1039.5	1005.5	965.5	918.1
-60°	1125.1	1113.3	1092.3	1072.9	1055.6	1034.3	1001.0	969.5	940.2	892.7	841.7
-62.5°	1028.0	1011.9	998.4	982.7	965.7	945.4	917.3	884.5	848.6	807.3	760.0
-65°	923.8	904.2	892.0	881.2	866.9	848.6	820.7	789.4	754.0	714.6	673.8
-67.5°	824.1	806.6	794.4	782.7	767.7	749.5	723.0	692.2	658.5	623.2	588.1
-70°	724.1	710.2	697.9	685.0	668.6	648.7	623.2	594.6	564.5	534.2	504.5
-72.5°	620.3	609.5	597.0	582.1	564.6	545.2	523.7	499.9	474.9	448.7	423.1
-75°	513.8	503.6	491.5	477.4	462.1	445.7	428.2	408.8	388.4	367.0	345.5
-77.5°	404.0	394.4	384.0	373.4	362.3	350.6	337.5	321.5	305.2	288.2	271.0
-80°	295.6	289.0	281.8	275.5	268.6	260.9	252.0	239.3	226.0	212.8	200.5
-82.5°	199.5	194.6	189.2	185.5	181.2	176.5	171.0	162.8	154.4	146.0	137.5
-85°	113.2	108.8	104.1	102.8	101.2	99.3	97.1	92.9	88.4	83.7	78.7
-87.5°	38.6	36.2	33.8	34.8	35.6	36.2	36.7	35.5	34.3	33.0	31.7
-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: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	30.3	28.8	27.3	25.7	24.1	22.4	20.7	18.9	16.4	14.0	11.8
85°	73.6	68.2	62.6	56.8	50.7	44.8	41.3	37.8	32.8	28.0	23.5
82.5°	129.0	120.8	112.4	103.6	93.5	83.7	74.0	64.5	53.9	42.8	35.2
80°	189.2	177.4	165.2	152.4	137.7	122.3	108.8	95.8	82.9	69.3	54.9
77.5°	254.5	237.3	219.5	203.2	186.3	168.2	149.1	129.1	111.8	95.7	78.6
75°	324.2	303.4	282.0	259.9	237.2	214.1	192.1	169.2	146.0	122.5	102.2
72.5°	398.2	372.4	345.6	318.3	291.7	264.5	236.6	208.8	181.9	154.5	126.8
70°	474.2	442.7	411.5	380.6	348.2	314.7	282.9	250.1	217.3	186.1	154.5
67.5°	551.7	516.2	479.5	443.1	407.2	369.4	329.6	291.2	253.9	217.3	181.9
65°	633.3	591.2	548.1	506.8	465.7	424.4	380.9	333.1	289.7	248.8	208.8
62.5°	713.5	667.6	619.2	570.0	523.2	477.5	431.1	378.1	325.7	279.5	235.3
60°	791.2	739.8	687.8	633.4	580.0	528.9	477.4	421.9	364.8	309.4	261.2
57.5°	862.5	808.5	750.4	693.1	635.7	579.0	522.1	463.2	402.7	341.9	286.3
55°	929.5	870.6	809.9	748.1	687.8	627.4	565.7	502.9	439.2	374.3	310.9
52.5°	992.3	930.9	866.4	800.7	735.5	673.2	608.1	541.4	473.9	405.5	338.0
50°	1047.2	989.4	921.3	851.8	781.2	715.4	649.2	578.7	507.4	435.4	364.4
47.5°	1093.3	1040.3	974.4	901.3	827.0	756.7	687.6	614.7	539.8	464.2	389.7
45°	1138.4	1087.3	1023.6	949.0	872.3	797.9	724.7	649.4	570.9	491.9	413.9
42.5°	1180.8	1129.6	1070.1	994.7	915.5	837.6	760.6	682.2	600.7	518.3	436.9
40°	1216.8	1166.7	1114.0	1038.7	956.3	875.0	794.8	713.7	629.2	543.4	458.7
37.5°	1251.8	1200.6	1146.2	1080.2	994.6	910.1	826.9	744.0	656.7	567.8	479.2
35°	1285.8	1232.8	1175.1	1112.3	1030.2	942.9	856.9	772.2	682.4	590.9	498.4
32.5°	1316.1	1261.7	1201.8	1138.4	1063.0	973.1	884.6	797.0	706.3	612.9	516.2
30°	1352.2	1285.9	1225.8	1164.0	1091.1	1000.9	910.3	820.2	728.4	633.6	533.0
27.5°	1386.8	1309.2	1247.3	1185.3	1113.1	1026.0	934.0	841.6	748.5	652.4	549.6
25°	1420.2	1335.8	1267.2	1203.1	1134.1	1050.1	955.8	861.2	766.3	668.8	564.9
22.5°	1458.6	1360.2	1285.8	1218.6	1154.3	1071.8	975.6	879.0	782.1	683.6	578.8
20°	1492.9	1380.4	1303.0	1233.1	1169.5	1088.2	993.2	894.8	796.2	696.6	591.5
17.5°	1526.2	1403.3	1319.8	1247.1	1180.8	1102.6	1008.7	908.7	808.6	707.9	602.7
15°	1572.6	1429.4	1334.4	1259.1	1190.3	1114.9	1021.9	920.6	819.1	717.5	612.7
12.5°	1612.3	1451.3	1346.4	1268.9	1198.1	1125.0	1032.9	930.4	827.9	726.0	621.7
10°	1644.5	1468.8	1355.8	1276.4	1204.1	1132.9	1041.5	938.8	836.1	733.4	629.0
7.5°	1669.0	1481.8	1362.6	1281.8	1208.3	1138.8	1049.5	946.2	842.7	739.1	634.7
5°	1685.7	1490.4	1368.2	1284.9	1210.6	1142.3	1055.5	951.5	847.4	743.3	638.8
2.5°	1694.3	1494.2	1372.3	1285.7	1211.0	1143.5	1059.0	954.6	850.3	745.8	641.3
0°	1694.9	1493.3	1373.8	1284.2	1209.6	1142.4	1060.2	955.7	851.2	746.6	642.1
-2.5°	1694.3	1494.2	1372.3	1285.7	1211.0	1143.5	1059.0	954.6	850.3	745.8	641.3
-5°	1685.7	1490.4	1368.2	1284.9	1210.6	1142.3	1055.5	951.5	847.4	743.3	638.8
-7.5°	1669.0	1481.8	1362.6	1281.8	1208.3	1138.8	1049.5	946.2	842.7	739.1	634.7
-10°	1644.5	1468.8	1355.8	1276.4	1204.1	1132.9	1041.5	938.8	836.1	733.4	629.0
-12.5°	1612.3	1451.3	1346.4	1268.9	1198.1	1125.0	1032.9	930.4	827.9	726.0	621.7
-15°	1572.6	1429.4	1334.4	1259.1	1190.3	1114.9	1021.9	920.6	819.1	717.5	612.7
-17.5°	1526.2	1403.3	1319.8	1247.1	1180.8	1102.6	1008.7	908.7	808.6	707.9	602.7
-20°	1492.9	1380.4	1303.0	1233.1	1169.5	1088.2	993.2	894.8	796.2	696.6	591.5

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Scaled Data Report



REPORT NUMBER: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-727-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°	1458.6	1360.2	1285.8	1218.6	1154.3	1071.8	975.6	879.0	782.1	683.6	578.8
-25°	1420.2	1335.8	1267.2	1203.1	1134.1	1050.1	955.8	861.2	766.3	668.8	564.9
-27.5°	1386.8	1309.2	1247.3	1185.3	1113.1	1026.0	934.0	841.6	748.5	652.4	549.6
-30°	1352.2	1285.9	1225.8	1164.0	1091.1	1000.9	910.3	820.2	728.4	633.6	533.0
-32.5°	1316.1	1261.7	1201.8	1138.4	1063.0	973.1	884.6	797.0	706.3	612.9	516.2
-35°	1285.8	1232.8	1175.1	1112.3	1030.2	942.9	856.9	772.2	682.4	590.9	498.4
-37.5°	1251.8	1200.6	1146.2	1080.2	994.6	910.1	826.9	744.0	656.7	567.8	479.2
-40°	1216.8	1166.7	1114.0	1038.7	956.3	875.0	794.8	713.7	629.2	543.4	458.7
-42.5°	1180.8	1129.6	1070.1	994.7	915.5	837.6	760.6	682.2	600.7	518.3	436.9
-45°	1138.4	1087.3	1023.6	949.0	872.3	797.9	724.7	649.4	570.9	491.9	413.9
-47.5°	1093.3	1040.3	974.4	901.3	827.0	756.7	687.6	614.7	539.8	464.2	389.7
-50°	1047.2	989.4	921.3	851.8	781.2	715.4	649.2	578.7	507.4	435.4	364.4
-52.5°	992.3	930.9	866.4	800.7	735.5	673.2	608.1	541.4	473.9	405.5	338.0
-55°	929.5	870.6	809.9	748.1	687.8	627.4	565.7	502.9	439.2	374.3	310.9
-57.5°	862.5	808.5	750.4	693.1	635.7	579.0	522.1	463.2	402.7	341.9	286.3
-60°	791.2	739.8	687.8	633.4	580.0	528.9	477.4	421.9	364.8	309.4	261.2
-62.5°	713.5	667.6	619.2	570.0	523.2	477.5	431.1	378.1	325.7	279.5	235.3
-65°	633.3	591.2	548.1	506.8	465.7	424.4	380.9	333.1	289.7	248.8	208.8
-67.5°	551.7	516.2	479.5	443.1	407.2	369.4	329.6	291.2	253.9	217.3	181.9
-70°	474.2	442.7	411.5	380.6	348.2	314.7	282.9	250.1	217.3	186.1	154.5
-72.5°	398.2	372.4	345.6	318.3	291.7	264.5	236.6	208.8	181.9	154.5	126.8
-75°	324.2	303.4	282.0	259.9	237.2	214.1	192.1	169.2	146.0	122.5	102.2
-77.5°	254.5	237.3	219.5	203.2	186.3	168.2	149.1	129.1	111.8	95.7	78.6
-80°	189.2	177.4	165.2	152.4	137.7	122.3	108.8	95.8	82.9	69.3	54.9
-82.5°	129.0	120.8	112.4	103.6	93.5	83.7	74.0	64.5	53.9	42.8	35.2
-85°	73.6	68.2	62.6	56.8	50.7	44.8	41.3	37.8	32.8	28.0	23.5
-87.5°	30.3	28.8	27.3	25.7	24.1	22.4	20.7	18.9	16.4	14.0	11.8
-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: P627737 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	9.7	8.1	6.5	4.9	3.2	1.6	0.0
85°	19.3	16.1	12.9	9.7	6.5	3.2	0.0
82.5°	28.9	24.2	19.4	14.6	9.7	4.9	0.0
80°	39.8	32.1	25.8	19.4	12.9	6.5	0.0
77.5°	60.7	43.4	32.1	24.2	16.1	8.1	0.0
75°	81.4	60.7	39.8	28.9	19.3	9.7	0.0
72.5°	101.9	77.8	53.5	33.6	22.4	11.2	0.0
70°	122.5	94.7	67.1	39.2	25.5	12.8	0.0
67.5°	145.8	111.3	80.4	49.2	28.5	14.3	0.0
65°	168.6	128.9	93.5	59.1	31.5	15.8	0.0
62.5°	190.9	147.2	106.3	68.7	34.4	17.2	0.0
60°	212.6	165.1	118.9	78.1	37.3	18.6	0.0
57.5°	234.3	182.4	132.5	87.3	43.3	20.0	0.0
55°	255.7	199.2	145.8	96.3	49.1	21.4	0.0
52.5°	276.5	215.7	158.7	105.0	54.8	22.7	0.0
50°	296.7	232.6	171.1	113.3	60.2	24.0	0.0
47.5°	316.7	249.1	183.0	121.6	65.4	25.2	0.0
45°	337.3	265.0	194.4	130.1	70.4	26.4	0.0
42.5°	357.0	280.3	205.2	138.2	75.1	27.5	0.0
40°	375.7	295.0	216.2	145.7	79.6	28.6	0.0
37.5°	393.3	309.0	227.3	152.7	83.8	29.6	0.0
35°	409.8	322.6	237.8	159.3	87.7	30.6	0.0
32.5°	425.1	335.5	247.8	165.4	91.3	31.5	0.0
30°	439.4	347.5	257.2	171.1	94.7	32.3	0.0
27.5°	452.4	358.5	265.4	176.3	97.8	33.1	0.0
25°	464.3	368.6	273.0	181.1	100.6	33.8	0.0
22.5°	474.9	377.5	279.8	185.4	103.0	34.5	0.0
20°	484.3	385.1	285.8	189.2	105.2	35.0	0.0
17.5°	492.9	391.8	291.1	192.5	107.1	35.6	0.0
15°	500.5	397.5	295.6	195.3	108.7	36.0	0.0
12.5°	507.1	402.2	299.4	197.6	110.0	36.4	0.0
10°	512.6	405.9	302.3	199.5	111.0	36.7	0.0
7.5°	517.0	408.6	304.5	200.8	111.7	37.0	0.0
5°	520.1	410.3	305.8	201.6	112.1	37.2	0.0
2.5°	522.1	411.0	306.4	201.8	112.2	37.3	0.0
0°	522.7	410.7	306.1	201.6	112.0	37.3	0.0
-2.5°	522.1	411.0	306.4	201.8	112.2	37.3	0.0
-5°	520.1	410.3	305.8	201.6	112.1	37.2	0.0
-7.5°	517.0	408.6	304.5	200.8	111.7	37.0	0.0
-10°	512.6	405.9	302.3	199.5	111.0	36.7	0.0
-12.5°	507.1	402.2	299.4	197.6	110.0	36.4	0.0
-15°	500.5	397.5	295.6	195.3	108.7	36.0	0.0
-17.5°	492.9	391.8	291.1	192.5	107.1	35.6	0.0
-20°	484.3	385.1	285.8	189.2	105.2	35.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	474.9	377.5	279.8	185.4	103.0	34.5	0.0
-25°	464.3	368.6	273.0	181.1	100.6	33.8	0.0
-27.5°	452.4	358.5	265.4	176.3	97.8	33.1	0.0
-30°	439.4	347.5	257.2	171.1	94.7	32.3	0.0
-32.5°	425.1	335.5	247.8	165.4	91.3	31.5	0.0
-35°	409.8	322.6	237.8	159.3	87.7	30.6	0.0
-37.5°	393.3	309.0	227.3	152.7	83.8	29.6	0.0
-40°	375.7	295.0	216.2	145.7	79.6	28.6	0.0
-42.5°	357.0	280.3	205.2	138.2	75.1	27.5	0.0
-45°	337.3	265.0	194.4	130.1	70.4	26.4	0.0
-47.5°	316.7	249.1	183.0	121.6	65.4	25.2	0.0
-50°	296.7	232.6	171.1	113.3	60.2	24.0	0.0
-52.5°	276.5	215.7	158.7	105.0	54.8	22.7	0.0
-55°	255.7	199.2	145.8	96.3	49.1	21.4	0.0
-57.5°	234.3	182.4	132.5	87.3	43.3	20.0	0.0
-60°	212.6	165.1	118.9	78.1	37.3	18.6	0.0
-62.5°	190.9	147.2	106.3	68.7	34.4	17.2	0.0
-65°	168.6	128.9	93.5	59.1	31.5	15.8	0.0
-67.5°	145.8	111.3	80.4	49.2	28.5	14.3	0.0
-70°	122.5	94.7	67.1	39.2	25.5	12.8	0.0
-72.5°	101.9	77.8	53.5	33.6	22.4	11.2	0.0
-75°	81.4	60.7	39.8	28.9	19.3	9.7	0.0
-77.5°	60.7	43.4	32.1	24.2	16.1	8.1	0.0
-80°	39.8	32.1	25.8	19.4	12.9	6.5	0.0
-82.5°	28.9	24.2	19.4	14.6	9.7	4.9	0.0
-85°	19.3	16.1	12.9	9.7	6.5	3.2	0.0
-87.5°	9.7	8.1	6.5	4.9	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)