

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: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-722-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627727 (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-SA5E-722-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N110
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

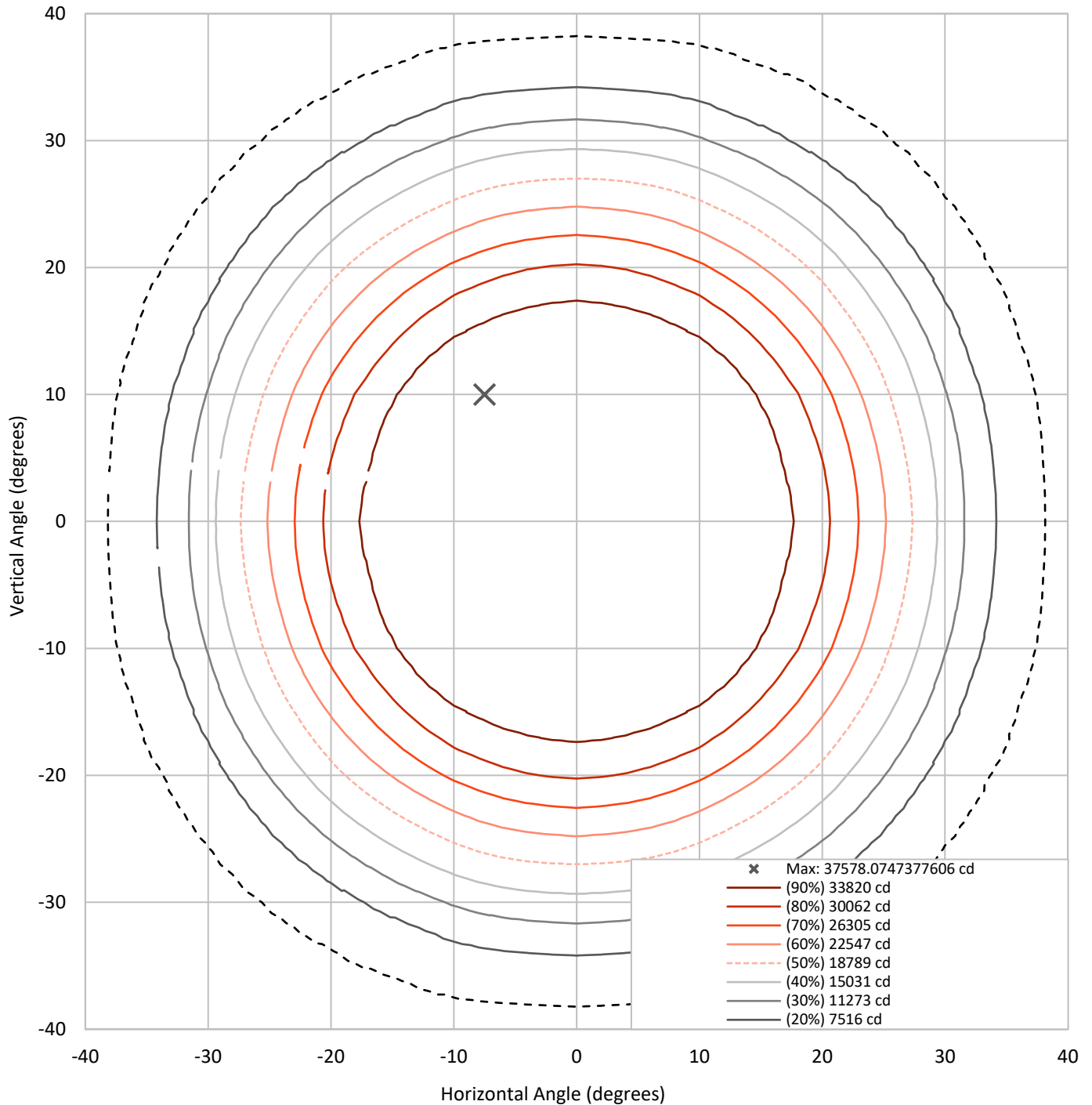
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	31982.5 lumens	Max Intensity:	37578.1 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	102.0 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:	21228.1 lumens	Field Lumens:	27602.6 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





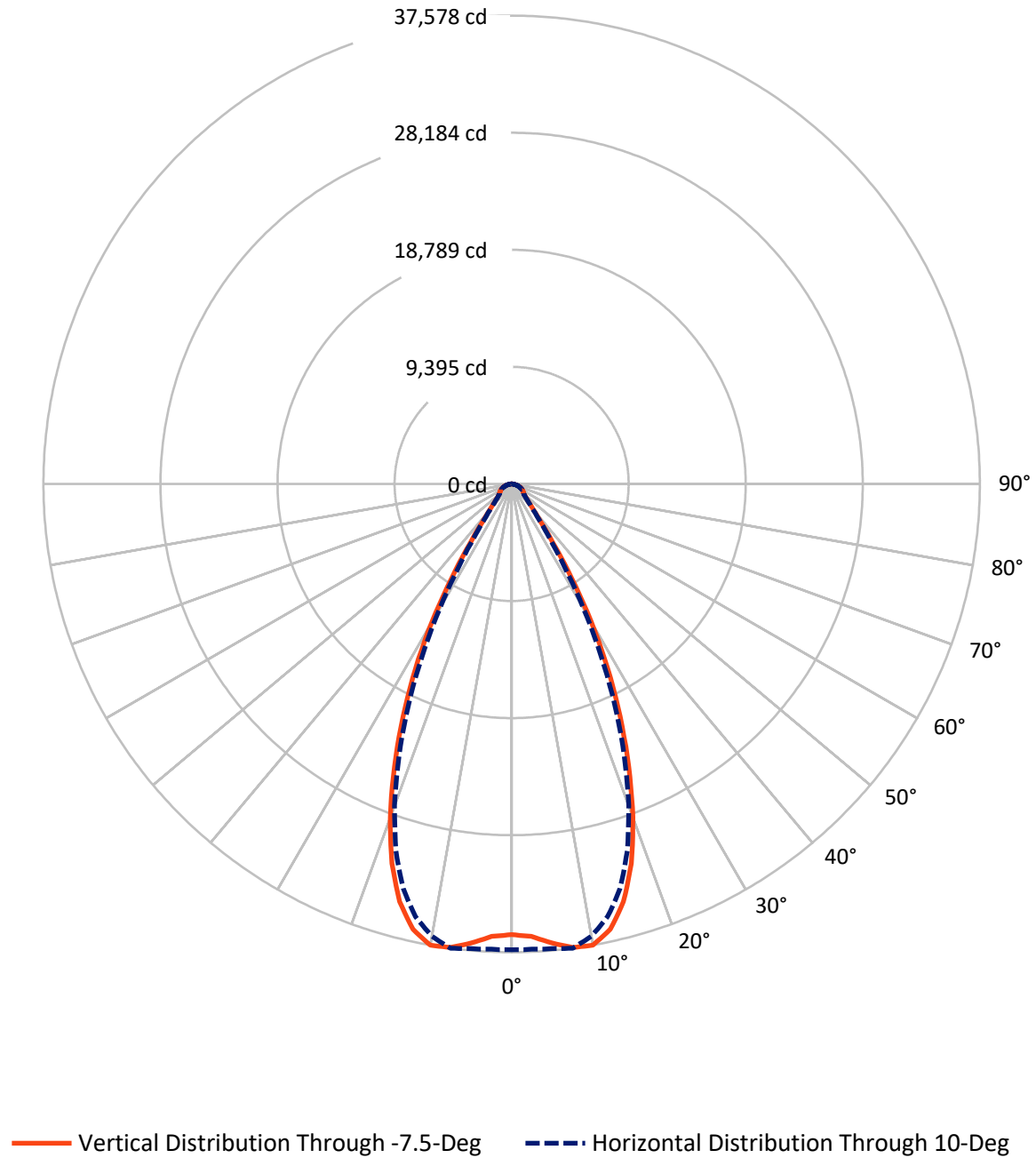
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Lumen Table

90																			
80	0.8	7.5		20.1		31.8		35.5		31.8		20.1		7.5		0.8			
70																			
60	3.4	3.9	7.8	12.8	17.9	21.7	24.6	26.0	26.0	24.6	21.7	17.9	12.8	7.8	3.9	3.4			
50		5.8	11.5	18.5	24.7	29.9	33.4	34.9	34.9	33.4	29.9	24.7	18.5	11.5	5.8				
40	6.0	7.4	14.6	22.4	30.0	39.1	49.1	56.4	56.4	49.1	39.1	30.0	22.4	14.6	7.4	6.0			
30		8.8	17.0	25.8	39.8	72.7	139.1	206.2	206.2	139.1	72.7	39.8	25.8	17.0	8.8				
20	7.8	9.9	18.5	30.1	65.5	205.3	460.6	643.2	643.2	460.6	205.3	65.5	30.1	18.5	9.9	7.8			
10		10.5	19.5	35.7	118.4	437.7	835.8	1046.1	1046.1	835.8	437.7	118.4	35.7	19.5	10.5				
0	8.4	10.9	20.0	40.2	170.5	599.0	1014.0	1103.3	1103.3	1014.0	599.0	170.5	40.2	20.0	10.9	8.4			
-10		10.9	20.0	40.2	170.5	599.0	1014.0	1103.3	1103.3	1014.0	599.0	170.5	40.2	20.0	10.9				
-20	7.8	10.5	19.5	35.7	118.4	437.7	835.8	1046.1	1046.1	835.8	437.7	118.4	35.7	19.5	10.5	7.8			
-30		9.9	18.5	30.1	65.5	205.3	460.6	643.2	643.2	460.6	205.3	65.5	30.1	18.5	9.9				
-40	6.0	8.8	17.0	25.8	39.8	72.7	139.1	206.2	206.2	139.1	72.7	39.8	25.8	17.0	8.8	6.0			
-50		7.4	14.6	22.4	30.0	39.1	49.1	56.4	56.4	49.1	39.1	30.0	22.4	14.6	7.4				
-60	3.4	5.8	11.5	18.5	24.7	29.9	33.4	34.9	34.9	33.4	29.9	24.7	18.5	11.5	5.8	3.4			
-70		3.9	7.8	12.8	17.9	21.7	24.6	26.0	26.0	24.6	21.7	17.9	12.8	7.8	3.9				
-80																			
-90	0.8	7.5		20.1		31.8		35.5		31.8		20.1		7.5		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

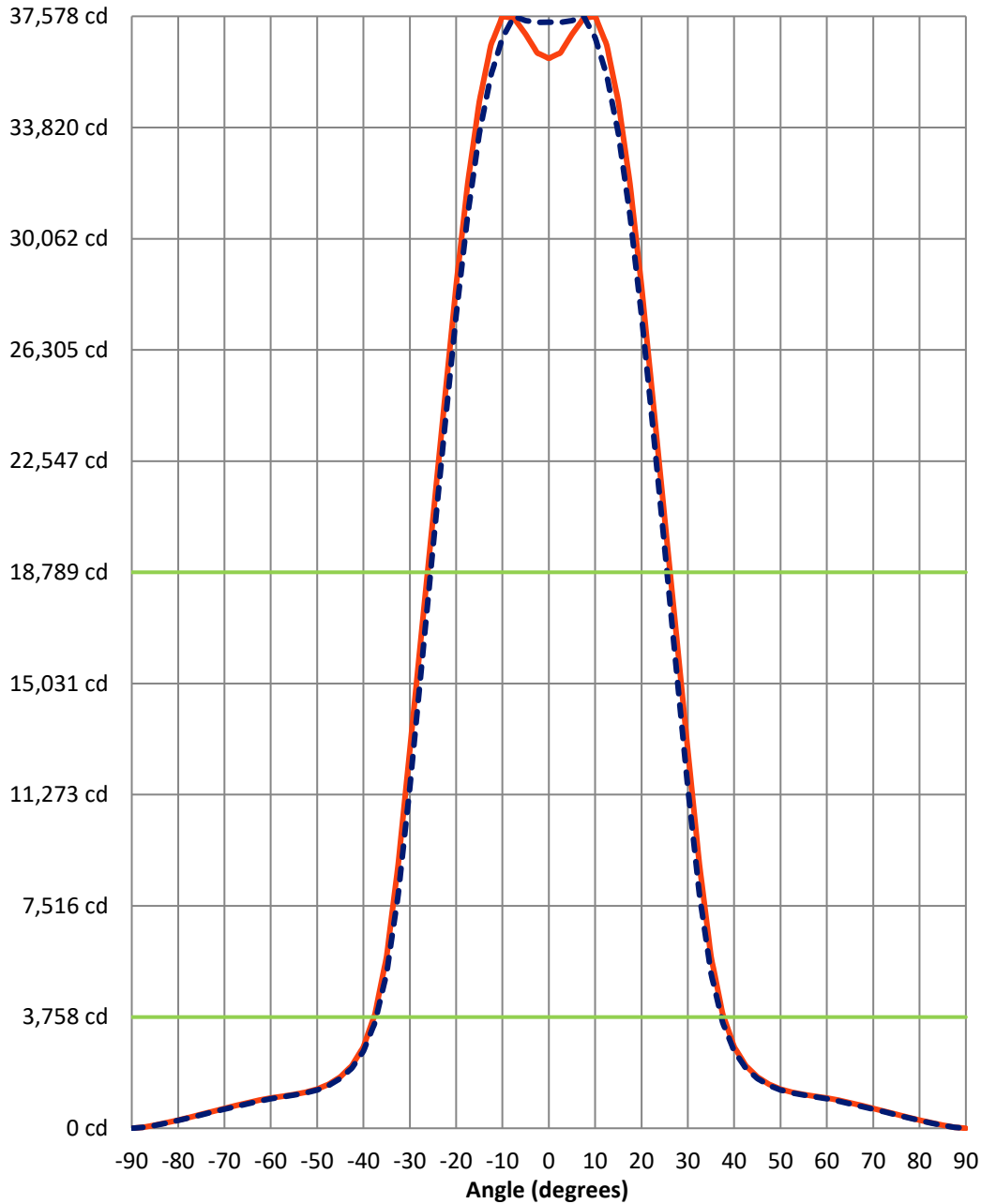
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 21228.1
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 27602.6
 Efficiency: 86.3%

Spill:
 Lumens: 4379.9
 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	14.2	17.0	20.7	24.7	28.9	33.3
82.5°	0.0	4.3	8.6	12.8	17.1	21.3	25.5	31.0	37.7	47.5	56.8
80°	0.0	5.7	11.4	17.1	22.7	28.3	35.1	48.4	61.1	73.1	84.3
77.5°	0.0	7.1	14.2	21.3	28.3	38.3	53.5	69.2	84.3	98.5	113.7
75°	0.0	8.5	17.0	25.5	35.1	53.5	71.7	90.0	107.9	128.6	149.0
72.5°	0.0	9.9	19.8	29.6	47.2	68.5	89.7	111.6	136.1	160.2	183.9
70°	0.0	11.2	22.5	34.6	59.1	83.4	107.9	136.1	163.9	191.4	220.3
67.5°	0.0	12.6	25.2	43.4	70.8	98.0	128.4	160.2	191.4	223.6	256.5
65°	0.0	13.9	27.8	52.1	82.3	113.5	148.5	183.9	219.1	255.2	293.4
62.5°	0.0	15.2	30.4	60.5	93.6	129.6	168.1	207.2	246.2	286.9	333.0
60°	0.0	16.4	32.9	68.8	104.6	145.4	187.2	230.0	272.5	321.3	371.6
57.5°	0.0	17.7	38.1	76.9	116.7	160.6	206.4	252.2	301.1	354.7	408.0
55°	0.0	18.9	43.3	84.8	128.4	175.4	225.2	273.9	329.7	386.9	443.0
52.5°	0.0	20.0	48.3	92.4	139.7	189.9	243.5	297.7	357.2	417.4	476.9
50°	0.0	21.1	53.0	99.8	150.7	204.9	261.3	321.0	383.5	447.0	509.7
47.5°	0.0	22.2	57.6	107.1	161.1	219.4	278.9	343.3	408.8	475.5	541.5
45°	0.0	23.3	62.0	114.6	171.1	233.4	297.1	364.6	433.3	502.9	572.0
42.5°	0.0	24.3	66.1	121.7	180.7	246.8	314.5	384.9	456.5	529.1	600.9
40°	0.0	25.2	70.1	128.3	190.3	259.8	330.9	404.1	478.6	554.2	628.6
37.5°	0.0	26.1	73.8	134.4	200.1	272.1	346.4	422.1	500.1	578.5	655.3
35°	0.0	26.9	77.2	140.2	209.4	284.1	360.9	439.0	520.5	601.1	680.1
32.5°	0.0	27.7	80.4	145.6	218.2	295.5	374.5	454.7	539.9	622.2	702.0
30°	0.0	28.5	83.4	150.6	226.4	306.1	387.0	469.5	558.1	641.6	722.4
27.5°	0.0	29.2	86.1	155.2	233.8	315.8	398.5	484.1	574.7	659.3	741.3
25°	0.0	29.8	88.5	159.4	240.4	324.7	409.0	497.5	589.1	674.9	758.6
22.5°	0.0	30.4	90.7	163.2	246.4	332.5	418.3	509.9	602.1	688.9	774.2
20°	0.0	30.9	92.6	166.6	251.7	339.2	426.6	521.0	613.6	701.3	788.2
17.5°	0.0	31.4	94.3	169.5	256.4	345.1	434.1	530.9	623.5	712.2	800.4
15°	0.0	31.8	95.7	172.0	260.4	350.1	440.9	539.7	631.9	721.5	810.9
12.5°	0.0	32.1	96.8	174.1	263.7	354.2	446.7	547.6	639.4	729.2	819.5
10°	0.0	32.4	97.7	175.7	266.3	357.5	451.5	554.1	646.0	736.4	826.9
7.5°	0.0	32.6	98.3	176.8	268.2	359.9	455.4	559.1	651.0	742.2	833.4
5°	0.0	32.8	98.7	177.5	269.3	361.4	458.1	562.7	654.7	746.4	838.1
2.5°	0.0	32.9	98.8	177.8	269.8	362.0	459.8	564.9	656.9	748.9	840.9
0°	0.0	32.9	98.6	177.6	269.6	361.7	460.4	565.6	657.6	749.7	841.8
-2.5°	0.0	32.9	98.8	177.8	269.8	362.0	459.8	564.9	656.9	748.9	840.9
-5°	0.0	32.8	98.7	177.5	269.3	361.4	458.1	562.7	654.7	746.4	838.1
-7.5°	0.0	32.6	98.3	176.8	268.2	359.9	455.4	559.1	651.0	742.2	833.4
-10°	0.0	32.4	97.7	175.7	266.3	357.5	451.5	554.1	646.0	736.4	826.9
-12.5°	0.0	32.1	96.8	174.1	263.7	354.2	446.7	547.6	639.4	729.2	819.5
-15°	0.0	31.8	95.7	172.0	260.4	350.1	440.9	539.7	631.9	721.5	810.9
-17.5°	0.0	31.4	94.3	169.5	256.4	345.1	434.1	530.9	623.5	712.2	800.4
-20°	0.0	30.9	92.6	166.6	251.7	339.2	426.6	521.0	613.6	701.3	788.2

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CATALOG NUMBER: GFLD-SA5E-722-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	30.4	90.7	163.2	246.4	332.5	418.3	509.9	602.1	688.9	774.2
-25°	0.0	29.8	88.5	159.4	240.4	324.7	409.0	497.5	589.1	674.9	758.6
-27.5°	0.0	29.2	86.1	155.2	233.8	315.8	398.5	484.1	574.7	659.3	741.3
-30°	0.0	28.5	83.4	150.6	226.4	306.1	387.0	469.5	558.1	641.6	722.4
-32.5°	0.0	27.7	80.4	145.6	218.2	295.5	374.5	454.7	539.9	622.2	702.0
-35°	0.0	26.9	77.2	140.2	209.4	284.1	360.9	439.0	520.5	601.1	680.1
-37.5°	0.0	26.1	73.8	134.4	200.1	272.1	346.4	422.1	500.1	578.5	655.3
-40°	0.0	25.2	70.1	128.3	190.3	259.8	330.9	404.1	478.6	554.2	628.6
-42.5°	0.0	24.3	66.1	121.7	180.7	246.8	314.5	384.9	456.5	529.1	600.9
-45°	0.0	23.3	62.0	114.6	171.1	233.4	297.1	364.6	433.3	502.9	572.0
-47.5°	0.0	22.2	57.6	107.1	161.1	219.4	278.9	343.3	408.8	475.5	541.5
-50°	0.0	21.1	53.0	99.8	150.7	204.9	261.3	321.0	383.5	447.0	509.7
-52.5°	0.0	20.0	48.3	92.4	139.7	189.9	243.5	297.7	357.2	417.4	476.9
-55°	0.0	18.9	43.3	84.8	128.4	175.4	225.2	273.9	329.7	386.9	443.0
-57.5°	0.0	17.7	38.1	76.9	116.7	160.6	206.4	252.2	301.1	354.7	408.0
-60°	0.0	16.4	32.9	68.8	104.6	145.4	187.2	230.0	272.5	321.3	371.6
-62.5°	0.0	15.2	30.4	60.5	93.6	129.6	168.1	207.2	246.2	286.9	333.0
-65°	0.0	13.9	27.8	52.1	82.3	113.5	148.5	183.9	219.1	255.2	293.4
-67.5°	0.0	12.6	25.2	43.4	70.8	98.0	128.4	160.2	191.4	223.6	256.5
-70°	0.0	11.2	22.5	34.6	59.1	83.4	107.9	136.1	163.9	191.4	220.3
-72.5°	0.0	9.9	19.8	29.6	47.2	68.5	89.7	111.6	136.1	160.2	183.9
-75°	0.0	8.5	17.0	25.5	35.1	53.5	71.7	90.0	107.9	128.6	149.0
-77.5°	0.0	7.1	14.2	21.3	28.3	38.3	53.5	69.2	84.3	98.5	113.7
-80°	0.0	5.7	11.4	17.1	22.7	28.3	35.1	48.4	61.1	73.1	84.3
-82.5°	0.0	4.3	8.6	12.8	17.1	21.3	25.5	31.0	37.7	47.5	56.8
-85°	0.0	2.9	5.7	8.6	11.4	14.2	17.0	20.7	24.7	28.9	33.3
-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°	18.2	19.7	21.2	22.7	24.0	25.4	26.7	27.9	29.1	30.3	31.3
85°	36.4	39.5	44.7	50.1	55.2	60.1	64.8	69.4	73.7	77.9	81.9
82.5°	65.2	73.7	82.4	91.3	99.0	106.4	113.7	121.1	128.6	136.0	143.4
80°	95.8	107.7	121.3	134.2	145.5	156.3	166.6	176.6	187.4	199.0	210.8
77.5°	131.3	148.2	164.1	179.0	193.3	209.0	224.2	238.7	253.9	268.8	283.2
75°	169.2	188.6	208.9	228.9	248.4	267.2	285.6	304.3	323.3	342.1	360.0
72.5°	208.4	233.0	256.9	280.3	304.4	328.0	350.7	372.6	395.2	418.3	440.3
70°	249.2	277.1	306.7	335.2	362.4	389.8	417.6	444.4	470.6	497.3	523.7
67.5°	290.3	325.4	358.6	390.3	422.3	454.7	486.0	518.0	548.9	580.0	609.7
65°	335.4	373.8	410.2	446.4	482.8	520.8	557.8	593.5	629.4	664.1	695.3
62.5°	379.8	420.6	460.9	502.1	545.4	588.0	628.4	669.4	711.1	747.4	779.1
60°	420.5	465.9	510.9	557.9	605.8	651.6	696.9	741.4	786.3	828.1	853.9
57.5°	459.9	510.0	559.9	610.5	661.0	712.2	759.7	808.6	850.3	885.6	915.5
55°	498.3	552.7	605.8	658.9	713.4	766.9	818.6	865.1	905.9	935.3	964.2
52.5°	535.6	592.9	647.9	705.3	763.2	819.9	874.0	917.1	950.5	980.6	1007.6
50°	571.8	630.1	688.1	750.3	811.5	871.5	922.4	960.1	994.1	1023.4	1051.7
47.5°	605.7	666.5	728.5	793.9	858.3	916.3	963.0	1002.5	1037.3	1068.8	1102.3
45°	638.3	702.8	768.3	835.9	901.6	957.7	1002.7	1045.4	1077.8	1113.4	1151.8
42.5°	670.0	737.8	806.4	876.2	942.6	995.0	1040.0	1079.0	1117.2	1159.5	1205.8
40°	700.1	770.7	842.4	915.0	981.2	1027.7	1071.7	1113.1	1159.5	1209.7	1263.4
37.5°	728.4	801.7	876.1	951.4	1009.6	1057.5	1102.5	1148.7	1202.6	1260.8	1333.7
35°	754.8	830.5	907.4	979.8	1035.1	1085.8	1132.5	1183.9	1246.9	1323.0	1416.3
32.5°	779.2	857.1	936.3	1002.7	1058.5	1111.2	1159.2	1223.4	1299.0	1389.5	1521.6
30°	801.8	881.5	961.0	1025.2	1079.7	1132.6	1191.0	1263.2	1351.8	1483.9	1653.0
27.5°	822.7	903.7	980.3	1044.0	1098.6	1153.1	1221.4	1309.1	1425.6	1583.3	1793.5
25°	841.9	924.9	998.9	1059.7	1116.1	1176.6	1250.8	1349.4	1502.6	1706.2	1990.2
22.5°	859.3	944.1	1016.7	1073.3	1132.5	1198.1	1284.7	1407.9	1584.6	1822.3	2188.6
20°	874.8	958.5	1030.0	1086.1	1147.7	1215.8	1314.9	1463.5	1676.5	1984.3	2452.0
17.5°	888.5	971.2	1040.0	1098.5	1162.5	1235.9	1344.2	1511.6	1758.2	2125.7	2718.2
15°	900.1	982.0	1048.5	1109.0	1175.3	1259.0	1385.1	1574.5	1853.0	2272.8	2950.3
12.5°	909.8	990.9	1055.3	1117.6	1185.9	1278.3	1420.1	1633.8	1951.5	2453.4	3292.2
10°	917.5	997.9	1060.6	1124.3	1194.2	1293.7	1448.4	1682.3	2033.1	2609.9	3583.8
7.5°	924.5	1003.1	1064.3	1129.0	1200.2	1305.2	1470.0	1719.6	2095.7	2732.8	3814.6
5°	929.7	1006.2	1066.3	1131.7	1205.2	1312.7	1484.7	1745.6	2138.9	2820.6	3977.0
2.5°	932.9	1007.2	1066.7	1132.4	1208.8	1316.1	1492.3	1759.9	2172.9	2862.2	4064.2
0°	933.9	1006.2	1065.4	1131.1	1210.1	1315.3	1492.9	1762.5	2190.0	2860.8	4077.4
-2.5°	932.9	1007.2	1066.7	1132.4	1208.8	1316.1	1492.3	1759.9	2172.9	2862.2	4064.2
-5°	929.7	1006.2	1066.3	1131.7	1205.2	1312.7	1484.7	1745.6	2138.9	2820.6	3977.0
-7.5°	924.5	1003.1	1064.3	1129.0	1200.2	1305.2	1470.0	1719.6	2095.7	2732.8	3814.6
-10°	917.5	997.9	1060.6	1124.3	1194.2	1293.7	1448.4	1682.3	2033.1	2609.9	3583.8
-12.5°	909.8	990.9	1055.3	1117.6	1185.9	1278.3	1420.1	1633.8	1951.5	2453.4	3292.2
-15°	900.1	982.0	1048.5	1109.0	1175.3	1259.0	1385.1	1574.5	1853.0	2272.8	2950.3
-17.5°	888.5	971.2	1040.0	1098.5	1162.5	1235.9	1344.2	1511.6	1758.2	2125.7	2718.2
-20°	874.8	958.5	1030.0	1086.1	1147.7	1215.8	1314.9	1463.5	1676.5	1984.3	2452.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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°	859.3	944.1	1016.7	1073.3	1132.5	1198.1	1284.7	1407.9	1584.6	1822.3	2188.6
-25°	841.9	924.9	998.9	1059.7	1116.1	1176.6	1250.8	1349.4	1502.6	1706.2	1990.2
-27.5°	822.7	903.7	980.3	1044.0	1098.6	1153.1	1221.4	1309.1	1425.6	1583.3	1793.5
-30°	801.8	881.5	961.0	1025.2	1079.7	1132.6	1191.0	1263.2	1351.8	1483.9	1653.0
-32.5°	779.2	857.1	936.3	1002.7	1058.5	1111.2	1159.2	1223.4	1299.0	1389.5	1521.6
-35°	754.8	830.5	907.4	979.8	1035.1	1085.8	1132.5	1183.9	1246.9	1323.0	1416.3
-37.5°	728.4	801.7	876.1	951.4	1009.6	1057.5	1102.5	1148.7	1202.6	1260.8	1333.7
-40°	700.1	770.7	842.4	915.0	981.2	1027.7	1071.7	1113.1	1159.5	1209.7	1263.4
-42.5°	670.0	737.8	806.4	876.2	942.6	995.0	1040.0	1079.0	1117.2	1159.5	1205.8
-45°	638.3	702.8	768.3	835.9	901.6	957.7	1002.7	1045.4	1077.8	1113.4	1151.8
-47.5°	605.7	666.5	728.5	793.9	858.3	916.3	963.0	1002.5	1037.3	1068.8	1102.3
-50°	571.8	630.1	688.1	750.3	811.5	871.5	922.4	960.1	994.1	1023.4	1051.7
-52.5°	535.6	592.9	647.9	705.3	763.2	819.9	874.0	917.1	950.5	980.6	1007.6
-55°	498.3	552.7	605.8	658.9	713.4	766.9	818.6	865.1	905.9	935.3	964.2
-57.5°	459.9	510.0	559.9	610.5	661.0	712.2	759.7	808.6	850.3	885.6	915.5
-60°	420.5	465.9	510.9	557.9	605.8	651.6	696.9	741.4	786.3	828.1	853.9
-62.5°	379.8	420.6	460.9	502.1	545.4	588.0	628.4	669.4	711.1	747.4	779.1
-65°	335.4	373.8	410.2	446.4	482.8	520.8	557.8	593.5	629.4	664.1	695.3
-67.5°	290.3	325.4	358.6	390.3	422.3	454.7	486.0	518.0	548.9	580.0	609.7
-70°	249.2	277.1	306.7	335.2	362.4	389.8	417.6	444.4	470.6	497.3	523.7
-72.5°	208.4	233.0	256.9	280.3	304.4	328.0	350.7	372.6	395.2	418.3	440.3
-75°	169.2	188.6	208.9	228.9	248.4	267.2	285.6	304.3	323.3	342.1	360.0
-77.5°	131.3	148.2	164.1	179.0	193.3	209.0	224.2	238.7	253.9	268.8	283.2
-80°	95.8	107.7	121.3	134.2	145.5	156.3	166.6	176.6	187.4	199.0	210.8
-82.5°	65.2	73.7	82.4	91.3	99.0	106.4	113.7	121.1	128.6	136.0	143.4
-85°	36.4	39.5	44.7	50.1	55.2	60.1	64.8	69.4	73.7	77.9	81.9
-87.5°	18.2	19.7	21.2	22.7	24.0	25.4	26.7	27.9	29.1	30.3	31.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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	31.9	31.4	30.7	29.8	31.9	34.0	36.1	38.1	37.0	35.7
85°	85.6	87.5	89.1	90.5	91.7	95.8	99.7	103.4	106.8	106.7	106.3
82.5°	150.6	155.4	159.6	163.4	166.7	171.4	175.7	179.4	182.6	184.9	186.9
80°	222.0	229.9	236.6	242.7	248.2	254.5	260.4	265.6	270.1	272.6	274.1
77.5°	297.3	308.8	319.1	328.9	338.2	347.4	355.8	363.3	369.8	371.3	371.0
75°	377.1	392.6	407.0	420.5	432.9	443.5	452.5	460.1	466.3	469.4	471.1
72.5°	461.2	480.2	497.3	512.6	525.8	536.8	546.3	554.6	561.5	565.9	568.6
70°	548.9	571.4	588.9	603.4	614.7	625.6	637.8	649.5	660.4	666.6	668.9
67.5°	636.8	660.2	676.2	689.4	699.7	710.4	725.8	739.8	752.1	760.5	765.8
65°	722.9	747.5	763.6	776.2	785.7	796.4	813.7	827.4	838.0	846.3	853.8
62.5°	808.0	832.7	850.6	865.6	879.4	891.2	905.4	917.0	926.0	934.2	943.5
60°	881.6	911.0	929.8	945.0	962.1	980.6	991.0	999.7	1007.2	1013.9	1019.6
57.5°	941.8	968.0	992.2	1010.5	1028.2	1045.4	1057.7	1065.9	1072.5	1077.4	1079.4
55°	992.2	1019.2	1046.2	1066.0	1083.5	1099.6	1113.0	1123.7	1132.5	1139.3	1141.0
52.5°	1037.4	1067.7	1094.2	1117.0	1140.1	1159.1	1173.9	1188.3	1200.9	1211.0	1215.4
50°	1086.4	1118.2	1151.2	1181.8	1206.5	1228.1	1246.1	1266.5	1287.9	1305.7	1316.9
47.5°	1138.1	1174.7	1214.6	1252.2	1281.4	1313.5	1343.3	1373.6	1413.5	1447.0	1471.9
45°	1192.1	1239.2	1284.6	1332.5	1372.9	1433.3	1489.4	1537.5	1601.5	1659.6	1705.7
42.5°	1255.9	1314.5	1370.3	1447.0	1527.3	1609.8	1698.9	1775.0	1875.0	1976.9	2059.2
40°	1331.5	1406.2	1504.7	1607.6	1734.4	1847.8	2001.8	2138.9	2292.4	2486.6	2647.0
37.5°	1422.4	1537.6	1674.6	1818.1	2015.7	2204.5	2458.9	2727.0	2970.3	3343.7	3657.9
35°	1540.6	1701.7	1882.0	2135.9	2415.6	2769.4	3166.3	3684.2	4128.3	4758.2	5360.2
32.5°	1692.8	1900.0	2194.3	2586.4	2999.8	3642.1	4271.9	5171.1	6003.7	7002.1	8079.7
30°	1862.3	2177.5	2627.2	3165.0	3936.2	4881.1	5991.3	7372.4	8883.7	10287.0	11669.9
27.5°	2107.8	2559.5	3150.3	4018.0	5219.9	6542.0	8487.1	10361.8	12317.7	14056.3	15506.4
25°	2394.5	2991.4	3904.9	5182.7	6808.1	9072.0	11400.4	13714.2	15817.6	17637.8	19240.0
22.5°	2764.7	3623.2	4841.1	6496.1	9027.2	11740.6	14471.0	17023.1	19266.8	21293.7	23028.0
20°	3167.4	4241.6	5980.8	8448.8	11343.3	14434.6	17517.6	20236.1	22706.6	25004.7	26959.4
17.5°	3677.7	5182.1	7384.6	10345.3	13691.8	17078.7	20317.5	23267.6	26070.5	28502.3	30544.7
15°	4112.6	6010.4	8885.0	12357.3	15976.9	19549.7	22969.0	26173.5	29087.6	31582.7	33502.7
12.5°	4692.8	6938.8	10217.1	14086.9	18009.4	21768.7	25370.3	28682.4	31648.0	34115.6	35610.3
10°	5241.1	7899.9	11504.6	15540.3	19615.4	23620.8	27466.4	30863.2	33616.5	35579.6	36853.3
7.5°	5707.4	8725.9	12551.9	16715.0	20891.4	25079.1	28971.8	32276.8	34815.5	36454.9	37341.6
5°	6055.5	9343.4	13329.3	17669.6	21955.2	26216.4	30078.7	33181.3	35375.5	36593.4	37038.6
2.5°	6277.3	9706.0	13780.4	18295.9	22667.1	26936.0	30838.0	33891.9	35753.6	36560.8	36637.5
0°	6366.0	9752.9	13850.0	18624.5	22846.6	27141.0	31053.9	34184.3	35894.2	36558.4	36545.3
-2.5°	6277.3	9706.0	13780.4	18295.9	22667.1	26936.0	30838.0	33891.9	35753.6	36560.8	36637.5
-5°	6055.5	9343.4	13329.3	17669.6	21955.2	26216.4	30078.7	33181.3	35375.5	36593.4	37038.6
-7.5°	5707.4	8725.9	12551.9	16715.0	20891.4	25079.1	28971.8	32276.8	34815.5	36454.9	37341.6
-10°	5241.1	7899.9	11504.6	15540.3	19615.4	23620.8	27466.4	30863.2	33616.5	35579.6	36853.3
-12.5°	4692.8	6938.8	10217.1	14086.9	18009.4	21768.7	25370.3	28682.4	31648.0	34115.6	35610.3
-15°	4112.6	6010.4	8885.0	12357.3	15976.9	19549.7	22969.0	26173.5	29087.6	31582.7	33502.7
-17.5°	3677.7	5182.1	7384.6	10345.3	13691.8	17078.7	20317.5	23267.6	26070.5	28502.3	30544.7
-20°	3167.4	4241.6	5980.8	8448.8	11343.3	14434.6	17517.6	20236.1	22706.6	25004.7	26959.4



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2764.7	3623.2	4841.1	6496.1	9027.2	11740.6	14471.0	17023.1	19266.8	21293.7	23028.0
-25°	2394.5	2991.4	3904.9	5182.7	6808.1	9072.0	11400.4	13714.2	15817.6	17637.8	19240.0
-27.5°	2107.8	2559.5	3150.3	4018.0	5219.9	6542.0	8487.1	10361.8	12317.7	14056.3	15506.4
-30°	1862.3	2177.5	2627.2	3165.0	3936.2	4881.1	5991.3	7372.4	8883.7	10287.0	11669.9
-32.5°	1692.8	1900.0	2194.3	2586.4	2999.8	3642.1	4271.9	5171.1	6003.7	7002.1	8079.7
-35°	1540.6	1701.7	1882.0	2135.9	2415.6	2769.4	3166.3	3684.2	4128.3	4758.2	5360.2
-37.5°	1422.4	1537.6	1674.6	1818.1	2015.7	2204.5	2458.9	2727.0	2970.3	3343.7	3657.9
-40°	1331.5	1406.2	1504.7	1607.6	1734.4	1847.8	2001.8	2138.9	2292.4	2486.6	2647.0
-42.5°	1255.9	1314.5	1370.3	1447.0	1527.3	1609.8	1698.9	1775.0	1875.0	1976.9	2059.2
-45°	1192.1	1239.2	1284.6	1332.5	1372.9	1433.3	1489.4	1537.5	1601.5	1659.6	1705.7
-47.5°	1138.1	1174.7	1214.6	1252.2	1281.4	1313.5	1343.3	1373.6	1413.5	1447.0	1471.9
-50°	1086.4	1118.2	1151.2	1181.8	1206.5	1228.1	1246.1	1266.5	1287.9	1305.7	1316.9
-52.5°	1037.4	1067.7	1094.2	1117.0	1140.1	1159.1	1173.9	1188.3	1200.9	1211.0	1215.4
-55°	992.2	1019.2	1046.2	1066.0	1083.5	1099.6	1113.0	1123.7	1132.5	1139.3	1141.0
-57.5°	941.8	968.0	992.2	1010.5	1028.2	1045.4	1057.7	1065.9	1072.5	1077.4	1079.4
-60°	881.6	911.0	929.8	945.0	962.1	980.6	991.0	999.7	1007.2	1013.9	1019.6
-62.5°	808.0	832.7	850.6	865.6	879.4	891.2	905.4	917.0	926.0	934.2	943.5
-65°	722.9	747.5	763.6	776.2	785.7	796.4	813.7	827.4	838.0	846.3	853.8
-67.5°	636.8	660.2	676.2	689.4	699.7	710.4	725.8	739.8	752.1	760.5	765.8
-70°	548.9	571.4	588.9	603.4	614.7	625.6	637.8	649.5	660.4	666.6	668.9
-72.5°	461.2	480.2	497.3	512.6	525.8	536.8	546.3	554.6	561.5	565.9	568.6
-75°	377.1	392.6	407.0	420.5	432.9	443.5	452.5	460.1	466.3	469.4	471.1
-77.5°	297.3	308.8	319.1	328.9	338.2	347.4	355.8	363.3	369.8	371.3	371.0
-80°	222.0	229.9	236.6	242.7	248.2	254.5	260.4	265.6	270.1	272.6	274.1
-82.5°	150.6	155.4	159.6	163.4	166.7	171.4	175.7	179.4	182.6	184.9	186.9
-85°	85.6	87.5	89.1	90.5	91.7	95.8	99.7	103.4	106.8	106.7	106.3
-87.5°	32.4	31.9	31.4	30.7	29.8	31.9	34.0	36.1	38.1	37.0	35.7
-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: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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°	34.3	32.8	32.9	32.9	32.9	32.8	34.3	35.7	37.0	38.1	36.1
85°	105.6	104.7	101.8	98.6	101.8	104.7	105.6	106.3	106.7	106.8	103.4
82.5°	188.5	189.7	187.2	184.1	187.2	189.7	188.5	186.9	184.9	182.6	179.4
80°	274.9	274.9	272.6	269.6	272.6	274.9	274.9	274.1	272.6	270.1	265.6
77.5°	369.4	366.8	367.8	368.3	367.8	366.8	369.4	371.0	371.3	369.8	363.3
75°	471.7	471.3	469.7	466.9	469.7	471.3	471.7	471.1	469.4	466.3	460.1
72.5°	569.8	569.8	568.4	565.6	568.4	569.8	569.8	568.6	565.9	561.5	554.6
70°	669.5	668.3	670.0	670.8	670.0	668.3	669.5	668.9	666.6	660.4	649.5
67.5°	769.8	772.5	772.0	769.4	772.0	772.5	769.8	765.8	760.5	752.1	739.8
65°	859.9	864.4	867.1	868.1	867.1	864.4	859.9	853.8	846.3	838.0	827.4
62.5°	950.8	956.0	956.3	953.6	956.3	956.0	950.8	943.5	934.2	926.0	917.0
60°	1022.7	1023.6	1022.3	1019.3	1022.3	1023.6	1022.7	1019.6	1013.9	1007.2	999.7
57.5°	1079.3	1077.4	1075.1	1072.0	1075.1	1077.4	1079.3	1079.4	1077.4	1072.5	1065.9
55°	1140.1	1136.9	1134.2	1131.1	1134.2	1136.9	1140.1	1141.0	1139.3	1132.5	1123.7
52.5°	1216.4	1214.7	1212.9	1210.1	1212.9	1214.7	1216.4	1215.4	1211.0	1200.9	1188.3
50°	1322.6	1324.2	1324.1	1321.9	1324.1	1324.2	1322.6	1316.9	1305.7	1287.9	1266.5
47.5°	1487.7	1496.5	1502.4	1506.0	1502.4	1496.5	1487.7	1471.9	1447.0	1413.5	1373.6
45°	1735.2	1752.8	1765.2	1775.6	1765.2	1752.8	1735.2	1705.7	1659.6	1601.5	1537.5
42.5°	2117.1	2156.4	2175.0	2170.2	2175.0	2156.4	2117.1	2059.2	1976.9	1875.0	1775.0
40°	2753.8	2817.3	2852.5	2880.5	2852.5	2817.3	2753.8	2647.0	2486.6	2292.4	2138.9
37.5°	3872.4	3995.5	4060.4	4116.9	4060.4	3995.5	3872.4	3657.9	3343.7	2970.3	2727.0
35°	5810.0	6087.1	6235.5	6287.1	6235.5	6087.1	5810.0	5360.2	4758.2	4128.3	3684.2
32.5°	8918.2	9429.4	9712.0	9930.4	9712.0	9429.4	8918.2	8079.7	7002.1	6003.7	5171.1
30°	12764.9	13438.2	13812.1	13994.7	13812.1	13438.2	12764.9	11669.9	10287.0	8883.7	7372.4
27.5°	16708.3	17473.7	17876.8	17855.0	17876.8	17473.7	16708.3	15506.4	14056.3	12317.7	10361.8
25°	20613.5	21500.0	21901.7	22261.2	21901.7	21500.0	20613.5	19240.0	17637.8	15817.6	13714.2
22.5°	24563.2	25599.8	26165.4	26430.7	26165.4	25599.8	24563.2	23028.0	21293.7	19266.8	17023.1
20°	28465.8	29619.9	30220.4	30481.8	30220.4	29619.9	28465.8	26959.4	25004.7	22706.6	20236.1
17.5°	31927.1	33053.7	33626.1	33868.7	33626.1	33053.7	31927.1	30544.7	28502.3	26070.5	23267.6
15°	34690.9	35521.9	36008.6	36137.5	36008.6	35521.9	34690.9	33502.7	31582.7	29087.6	26173.5
12.5°	36601.4	36923.3	37157.4	37229.2	37157.4	36923.3	36601.4	35610.3	34115.6	31648.0	28682.4
10°	37578.1	37432.9	37372.9	37380.5	37372.9	37432.9	37578.1	36853.3	35579.6	33616.5	30863.2
7.5°	37510.9	37295.9	36863.9	36795.2	36863.9	37295.9	37510.9	37341.6	36454.9	34815.5	32276.8
5°	36972.0	36580.4	35863.5	35657.5	35863.5	36580.4	36972.0	37038.6	36593.4	35375.5	33181.3
2.5°	36343.9	35638.0	34977.6	34552.6	34977.6	35638.0	36343.9	36637.5	36560.8	35753.6	33891.9
0°	36157.3	35341.8	34486.8	34210.6	34486.8	35341.8	36157.3	36545.3	36558.4	35894.2	34184.3
-2.5°	36343.9	35638.0	34977.6	34552.6	34977.6	35638.0	36343.9	36637.5	36560.8	35753.6	33891.9
-5°	36972.0	36580.4	35863.5	35657.5	35863.5	36580.4	36972.0	37038.6	36593.4	35375.5	33181.3
-7.5°	37510.9	37295.9	36863.9	36795.2	36863.9	37295.9	37510.9	37341.6	36454.9	34815.5	32276.8
-10°	37578.1	37432.9	37372.9	37380.5	37372.9	37432.9	37578.1	36853.3	35579.6	33616.5	30863.2
-12.5°	36601.4	36923.3	37157.4	37229.2	37157.4	36923.3	36601.4	35610.3	34115.6	31648.0	28682.4
-15°	34690.9	35521.9	36008.6	36137.5	36008.6	35521.9	34690.9	33502.7	31582.7	29087.6	26173.5
-17.5°	31927.1	33053.7	33626.1	33868.7	33626.1	33053.7	31927.1	30544.7	28502.3	26070.5	23267.6
-20°	28465.8	29619.9	30220.4	30481.8	30220.4	29619.9	28465.8	26959.4	25004.7	22706.6	20236.1



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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°	24563.2	25599.8	26165.4	26430.7	26165.4	25599.8	24563.2	23028.0	21293.7	19266.8	17023.1
-25°	20613.5	21500.0	21901.7	22261.2	21901.7	21500.0	20613.5	19240.0	17637.8	15817.6	13714.2
-27.5°	16708.3	17473.7	17876.8	17855.0	17876.8	17473.7	16708.3	15506.4	14056.3	12317.7	10361.8
-30°	12764.9	13438.2	13812.1	13994.7	13812.1	13438.2	12764.9	11669.9	10287.0	8883.7	7372.4
-32.5°	8918.2	9429.4	9712.0	9930.4	9712.0	9429.4	8918.2	8079.7	7002.1	6003.7	5171.1
-35°	5810.0	6087.1	6235.5	6287.1	6235.5	6087.1	5810.0	5360.2	4758.2	4128.3	3684.2
-37.5°	3872.4	3995.5	4060.4	4116.9	4060.4	3995.5	3872.4	3657.9	3343.7	2970.3	2727.0
-40°	2753.8	2817.3	2852.5	2880.5	2852.5	2817.3	2753.8	2647.0	2486.6	2292.4	2138.9
-42.5°	2117.1	2156.4	2175.0	2170.2	2175.0	2156.4	2117.1	2059.2	1976.9	1875.0	1775.0
-45°	1735.2	1752.8	1765.2	1775.6	1765.2	1752.8	1735.2	1705.7	1659.6	1601.5	1537.5
-47.5°	1487.7	1496.5	1502.4	1506.0	1502.4	1496.5	1487.7	1471.9	1447.0	1413.5	1373.6
-50°	1322.6	1324.2	1324.1	1321.9	1324.1	1324.2	1322.6	1316.9	1305.7	1287.9	1266.5
-52.5°	1216.4	1214.7	1212.9	1210.1	1212.9	1214.7	1216.4	1215.4	1211.0	1200.9	1188.3
-55°	1140.1	1136.9	1134.2	1131.1	1134.2	1136.9	1140.1	1141.0	1139.3	1132.5	1123.7
-57.5°	1079.3	1077.4	1075.1	1072.0	1075.1	1077.4	1079.3	1079.4	1077.4	1072.5	1065.9
-60°	1022.7	1023.6	1022.3	1019.3	1022.3	1023.6	1022.7	1019.6	1013.9	1007.2	999.7
-62.5°	950.8	956.0	956.3	953.6	956.3	956.0	950.8	943.5	934.2	926.0	917.0
-65°	859.9	864.4	867.1	868.1	867.1	864.4	859.9	853.8	846.3	838.0	827.4
-67.5°	769.8	772.5	772.0	769.4	772.0	772.5	769.8	765.8	760.5	752.1	739.8
-70°	669.5	668.3	670.0	670.8	670.0	668.3	669.5	668.9	666.6	660.4	649.5
-72.5°	569.8	569.8	568.4	565.6	568.4	569.8	569.8	568.6	565.9	561.5	554.6
-75°	471.7	471.3	469.7	466.9	469.7	471.3	471.7	471.1	469.4	466.3	460.1
-77.5°	369.4	366.8	367.8	368.3	367.8	366.8	369.4	371.0	371.3	369.8	363.3
-80°	274.9	274.9	272.6	269.6	272.6	274.9	274.9	274.1	272.6	270.1	265.6
-82.5°	188.5	189.7	187.2	184.1	187.2	189.7	188.5	186.9	184.9	182.6	179.4
-85°	105.6	104.7	101.8	98.6	101.8	104.7	105.6	106.3	106.7	106.8	103.4
-87.5°	34.3	32.8	32.9	32.9	32.9	32.8	34.3	35.7	37.0	38.1	36.1
-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: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-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°	34.0	31.9	29.8	30.7	31.4	31.9	32.4	31.3	30.3	29.1	27.9
85°	99.7	95.8	91.7	90.5	89.1	87.5	85.6	81.9	77.9	73.7	69.4
82.5°	175.7	171.4	166.7	163.4	159.6	155.4	150.6	143.4	136.0	128.6	121.1
80°	260.4	254.5	248.2	242.7	236.6	229.9	222.0	210.8	199.0	187.4	176.6
77.5°	355.8	347.4	338.2	328.9	319.1	308.8	297.3	283.2	268.8	253.9	238.7
75°	452.5	443.5	432.9	420.5	407.0	392.6	377.1	360.0	342.1	323.3	304.3
72.5°	546.3	536.8	525.8	512.6	497.3	480.2	461.2	440.3	418.3	395.2	372.6
70°	637.8	625.6	614.7	603.4	588.9	571.4	548.9	523.7	497.3	470.6	444.4
67.5°	725.8	710.4	699.7	689.4	676.2	660.2	636.8	609.7	580.0	548.9	518.0
65°	813.7	796.4	785.7	776.2	763.6	747.5	722.9	695.3	664.1	629.4	593.5
62.5°	905.4	891.2	879.4	865.6	850.6	832.7	808.0	779.1	747.4	711.1	669.4
60°	991.0	980.6	962.1	945.0	929.8	911.0	881.6	853.9	828.1	786.3	741.4
57.5°	1057.7	1045.4	1028.2	1010.5	992.2	968.0	941.8	915.5	885.6	850.3	808.6
55°	1113.0	1099.6	1083.5	1066.0	1046.2	1019.2	992.2	964.2	935.3	905.9	865.1
52.5°	1173.9	1159.1	1140.1	1117.0	1094.2	1067.7	1037.4	1007.6	980.6	950.5	917.1
50°	1246.1	1228.1	1206.5	1181.8	1151.2	1118.2	1086.4	1051.7	1023.4	994.1	960.1
47.5°	1343.3	1313.5	1281.4	1252.2	1214.6	1174.7	1138.1	1102.3	1068.8	1037.3	1002.5
45°	1489.4	1433.3	1372.9	1332.5	1284.6	1239.2	1192.1	1151.8	1113.4	1077.8	1045.4
42.5°	1698.9	1609.8	1527.3	1447.0	1370.3	1314.5	1255.9	1205.8	1159.5	1117.2	1079.0
40°	2001.8	1847.8	1734.4	1607.6	1504.7	1406.2	1331.5	1263.4	1209.7	1159.5	1113.1
37.5°	2458.9	2204.5	2015.7	1818.1	1674.6	1537.6	1422.4	1333.7	1260.8	1202.6	1148.7
35°	3166.3	2769.4	2415.6	2135.9	1882.0	1701.7	1540.6	1416.3	1323.0	1246.9	1183.9
32.5°	4271.9	3642.1	2999.8	2586.4	2194.3	1900.0	1692.8	1521.6	1389.5	1299.0	1223.4
30°	5991.3	4881.1	3936.2	3165.0	2627.2	2177.5	1862.3	1653.0	1483.9	1351.8	1263.2
27.5°	8487.1	6542.0	5219.9	4018.0	3150.3	2559.5	2107.8	1793.5	1583.3	1425.6	1309.1
25°	11400.4	9072.0	6808.1	5182.7	3904.9	2991.4	2394.5	1990.2	1706.2	1502.6	1349.4
22.5°	14471.0	11740.6	9027.2	6496.1	4841.1	3623.2	2764.7	2188.6	1822.3	1584.6	1407.9
20°	17517.6	14434.6	11343.3	8448.8	5980.8	4241.6	3167.4	2452.0	1984.3	1676.5	1463.5
17.5°	20317.5	17078.7	13691.8	10345.3	7384.6	5182.1	3677.7	2718.2	2125.7	1758.2	1511.6
15°	22969.0	19549.7	15976.9	12357.3	8885.0	6010.4	4112.6	2950.3	2272.8	1853.0	1574.5
12.5°	25370.3	21768.7	18009.4	14086.9	10217.1	6938.8	4692.8	3292.2	2453.4	1951.5	1633.8
10°	27466.4	23620.8	19615.4	15540.3	11504.6	7899.9	5241.1	3583.8	2609.9	2033.1	1682.3
7.5°	28971.8	25079.1	20891.4	16715.0	12551.9	8725.9	5707.4	3814.6	2732.8	2095.7	1719.6
5°	30078.7	26216.4	21955.2	17669.6	13329.3	9343.4	6055.5	3977.0	2820.6	2138.9	1745.6
2.5°	30838.0	26936.0	22667.1	18295.9	13780.4	9706.0	6277.3	4064.2	2862.2	2172.9	1759.9
0°	31053.9	27141.0	22846.6	18624.5	13850.0	9752.9	6366.0	4077.4	2860.8	2190.0	1762.5
-2.5°	30838.0	26936.0	22667.1	18295.9	13780.4	9706.0	6277.3	4064.2	2862.2	2172.9	1759.9
-5°	30078.7	26216.4	21955.2	17669.6	13329.3	9343.4	6055.5	3977.0	2820.6	2138.9	1745.6
-7.5°	28971.8	25079.1	20891.4	16715.0	12551.9	8725.9	5707.4	3814.6	2732.8	2095.7	1719.6
-10°	27466.4	23620.8	19615.4	15540.3	11504.6	7899.9	5241.1	3583.8	2609.9	2033.1	1682.3
-12.5°	25370.3	21768.7	18009.4	14086.9	10217.1	6938.8	4692.8	3292.2	2453.4	1951.5	1633.8
-15°	22969.0	19549.7	15976.9	12357.3	8885.0	6010.4	4112.6	2950.3	2272.8	1853.0	1574.5
-17.5°	20317.5	17078.7	13691.8	10345.3	7384.6	5182.1	3677.7	2718.2	2125.7	1758.2	1511.6
-20°	17517.6	14434.6	11343.3	8448.8	5980.8	4241.6	3167.4	2452.0	1984.3	1676.5	1463.5



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14471.0	11740.6	9027.2	6496.1	4841.1	3623.2	2764.7	2188.6	1822.3	1584.6	1407.9
-25°	11400.4	9072.0	6808.1	5182.7	3904.9	2991.4	2394.5	1990.2	1706.2	1502.6	1349.4
-27.5°	8487.1	6542.0	5219.9	4018.0	3150.3	2559.5	2107.8	1793.5	1583.3	1425.6	1309.1
-30°	5991.3	4881.1	3936.2	3165.0	2627.2	2177.5	1862.3	1653.0	1483.9	1351.8	1263.2
-32.5°	4271.9	3642.1	2999.8	2586.4	2194.3	1900.0	1692.8	1521.6	1389.5	1299.0	1223.4
-35°	3166.3	2769.4	2415.6	2135.9	1882.0	1701.7	1540.6	1416.3	1323.0	1246.9	1183.9
-37.5°	2458.9	2204.5	2015.7	1818.1	1674.6	1537.6	1422.4	1333.7	1260.8	1202.6	1148.7
-40°	2001.8	1847.8	1734.4	1607.6	1504.7	1406.2	1331.5	1263.4	1209.7	1159.5	1113.1
-42.5°	1698.9	1609.8	1527.3	1447.0	1370.3	1314.5	1255.9	1205.8	1159.5	1117.2	1079.0
-45°	1489.4	1433.3	1372.9	1332.5	1284.6	1239.2	1192.1	1151.8	1113.4	1077.8	1045.4
-47.5°	1343.3	1313.5	1281.4	1252.2	1214.6	1174.7	1138.1	1102.3	1068.8	1037.3	1002.5
-50°	1246.1	1228.1	1206.5	1181.8	1151.2	1118.2	1086.4	1051.7	1023.4	994.1	960.1
-52.5°	1173.9	1159.1	1140.1	1117.0	1094.2	1067.7	1037.4	1007.6	980.6	950.5	917.1
-55°	1113.0	1099.6	1083.5	1066.0	1046.2	1019.2	992.2	964.2	935.3	905.9	865.1
-57.5°	1057.7	1045.4	1028.2	1010.5	992.2	968.0	941.8	915.5	885.6	850.3	808.6
-60°	991.0	980.6	962.1	945.0	929.8	911.0	881.6	853.9	828.1	786.3	741.4
-62.5°	905.4	891.2	879.4	865.6	850.6	832.7	808.0	779.1	747.4	711.1	669.4
-65°	813.7	796.4	785.7	776.2	763.6	747.5	722.9	695.3	664.1	629.4	593.5
-67.5°	725.8	710.4	699.7	689.4	676.2	660.2	636.8	609.7	580.0	548.9	518.0
-70°	637.8	625.6	614.7	603.4	588.9	571.4	548.9	523.7	497.3	470.6	444.4
-72.5°	546.3	536.8	525.8	512.6	497.3	480.2	461.2	440.3	418.3	395.2	372.6
-75°	452.5	443.5	432.9	420.5	407.0	392.6	377.1	360.0	342.1	323.3	304.3
-77.5°	355.8	347.4	338.2	328.9	319.1	308.8	297.3	283.2	268.8	253.9	238.7
-80°	260.4	254.5	248.2	242.7	236.6	229.9	222.0	210.8	199.0	187.4	176.6
-82.5°	175.7	171.4	166.7	163.4	159.6	155.4	150.6	143.4	136.0	128.6	121.1
-85°	99.7	95.8	91.7	90.5	89.1	87.5	85.6	81.9	77.9	73.7	69.4
-87.5°	34.0	31.9	29.8	30.7	31.4	31.9	32.4	31.3	30.3	29.1	27.9
-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: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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	24.0	22.7	21.2	19.7	18.2	16.7	14.5	12.4	10.4
85°	64.8	60.1	55.2	50.1	44.7	39.5	36.4	33.3	28.9	24.7	20.7
82.5°	113.7	106.4	99.0	91.3	82.4	73.7	65.2	56.8	47.5	37.7	31.0
80°	166.6	156.3	145.5	134.2	121.3	107.7	95.8	84.3	73.1	61.1	48.4
77.5°	224.2	209.0	193.3	179.0	164.1	148.2	131.3	113.7	98.5	84.3	69.2
75°	285.6	267.2	248.4	228.9	208.9	188.6	169.2	149.0	128.6	107.9	90.0
72.5°	350.7	328.0	304.4	280.3	256.9	233.0	208.4	183.9	160.2	136.1	111.6
70°	417.6	389.8	362.4	335.2	306.7	277.1	249.2	220.3	191.4	163.9	136.1
67.5°	486.0	454.7	422.3	390.3	358.6	325.4	290.3	256.5	223.6	191.4	160.2
65°	557.8	520.8	482.8	446.4	410.2	373.8	335.4	293.4	255.2	219.1	183.9
62.5°	628.4	588.0	545.4	502.1	460.9	420.6	379.8	333.0	286.9	246.2	207.2
60°	696.9	651.6	605.8	557.9	510.9	465.9	420.5	371.6	321.3	272.5	230.0
57.5°	759.7	712.2	661.0	610.5	559.9	510.0	459.9	408.0	354.7	301.1	252.2
55°	818.6	766.9	713.4	658.9	605.8	552.7	498.3	443.0	386.9	329.7	273.9
52.5°	874.0	819.9	763.2	705.3	647.9	592.9	535.6	476.9	417.4	357.2	297.7
50°	922.4	871.5	811.5	750.3	688.1	630.1	571.8	509.7	447.0	383.5	321.0
47.5°	963.0	916.3	858.3	793.9	728.5	666.5	605.7	541.5	475.5	408.8	343.3
45°	1002.7	957.7	901.6	835.9	768.3	702.8	638.3	572.0	502.9	433.3	364.6
42.5°	1040.0	995.0	942.6	876.2	806.4	737.8	670.0	600.9	529.1	456.5	384.9
40°	1071.7	1027.7	981.2	915.0	842.4	770.7	700.1	628.6	554.2	478.6	404.1
37.5°	1102.5	1057.5	1009.6	951.4	876.1	801.7	728.4	655.3	578.5	500.1	422.1
35°	1132.5	1085.8	1035.1	979.8	907.4	830.5	754.8	680.1	601.1	520.5	439.0
32.5°	1159.2	1111.2	1058.5	1002.7	936.3	857.1	779.2	702.0	622.2	539.9	454.7
30°	1191.0	1132.6	1079.7	1025.2	961.0	881.5	801.8	722.4	641.6	558.1	469.5
27.5°	1221.4	1153.1	1098.6	1044.0	980.3	903.7	822.7	741.3	659.3	574.7	484.1
25°	1250.8	1176.6	1116.1	1059.7	998.9	924.9	841.9	758.6	674.9	589.1	497.5
22.5°	1284.7	1198.1	1132.5	1073.3	1016.7	944.1	859.3	774.2	688.9	602.1	509.9
20°	1314.9	1215.8	1147.7	1086.1	1030.0	958.5	874.8	788.2	701.3	613.6	521.0
17.5°	1344.2	1235.9	1162.5	1098.5	1040.0	971.2	888.5	800.4	712.2	623.5	530.9
15°	1385.1	1259.0	1175.3	1109.0	1048.5	982.0	900.1	810.9	721.5	631.9	539.7
12.5°	1420.1	1278.3	1185.9	1117.6	1055.3	990.9	909.8	819.5	729.2	639.4	547.6
10°	1448.4	1293.7	1194.2	1124.3	1060.6	997.9	917.5	826.9	736.4	646.0	554.1
7.5°	1470.0	1305.2	1200.2	1129.0	1064.3	1003.1	924.5	833.4	742.2	651.0	559.1
5°	1484.7	1312.7	1205.2	1131.7	1066.3	1006.2	929.7	838.1	746.4	654.7	562.7
2.5°	1492.3	1316.1	1208.8	1132.4	1066.7	1007.2	932.9	840.9	748.9	656.9	564.9
0°	1492.9	1315.3	1210.1	1131.1	1065.4	1006.2	933.9	841.8	749.7	657.6	565.6
-2.5°	1492.3	1316.1	1208.8	1132.4	1066.7	1007.2	932.9	840.9	748.9	656.9	564.9
-5°	1484.7	1312.7	1205.2	1131.7	1066.3	1006.2	929.7	838.1	746.4	654.7	562.7
-7.5°	1470.0	1305.2	1200.2	1129.0	1064.3	1003.1	924.5	833.4	742.2	651.0	559.1
-10°	1448.4	1293.7	1194.2	1124.3	1060.6	997.9	917.5	826.9	736.4	646.0	554.1
-12.5°	1420.1	1278.3	1185.9	1117.6	1055.3	990.9	909.8	819.5	729.2	639.4	547.6
-15°	1385.1	1259.0	1175.3	1109.0	1048.5	982.0	900.1	810.9	721.5	631.9	539.7
-17.5°	1344.2	1235.9	1162.5	1098.5	1040.0	971.2	888.5	800.4	712.2	623.5	530.9
-20°	1314.9	1215.8	1147.7	1086.1	1030.0	958.5	874.8	788.2	701.3	613.6	521.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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°	1284.7	1198.1	1132.5	1073.3	1016.7	944.1	859.3	774.2	688.9	602.1	509.9
-25°	1250.8	1176.6	1116.1	1059.7	998.9	924.9	841.9	758.6	674.9	589.1	497.5
-27.5°	1221.4	1153.1	1098.6	1044.0	980.3	903.7	822.7	741.3	659.3	574.7	484.1
-30°	1191.0	1132.6	1079.7	1025.2	961.0	881.5	801.8	722.4	641.6	558.1	469.5
-32.5°	1159.2	1111.2	1058.5	1002.7	936.3	857.1	779.2	702.0	622.2	539.9	454.7
-35°	1132.5	1085.8	1035.1	979.8	907.4	830.5	754.8	680.1	601.1	520.5	439.0
-37.5°	1102.5	1057.5	1009.6	951.4	876.1	801.7	728.4	655.3	578.5	500.1	422.1
-40°	1071.7	1027.7	981.2	915.0	842.4	770.7	700.1	628.6	554.2	478.6	404.1
-42.5°	1040.0	995.0	942.6	876.2	806.4	737.8	670.0	600.9	529.1	456.5	384.9
-45°	1002.7	957.7	901.6	835.9	768.3	702.8	638.3	572.0	502.9	433.3	364.6
-47.5°	963.0	916.3	858.3	793.9	728.5	666.5	605.7	541.5	475.5	408.8	343.3
-50°	922.4	871.5	811.5	750.3	688.1	630.1	571.8	509.7	447.0	383.5	321.0
-52.5°	874.0	819.9	763.2	705.3	647.9	592.9	535.6	476.9	417.4	357.2	297.7
-55°	818.6	766.9	713.4	658.9	605.8	552.7	498.3	443.0	386.9	329.7	273.9
-57.5°	759.7	712.2	661.0	610.5	559.9	510.0	459.9	408.0	354.7	301.1	252.2
-60°	696.9	651.6	605.8	557.9	510.9	465.9	420.5	371.6	321.3	272.5	230.0
-62.5°	628.4	588.0	545.4	502.1	460.9	420.6	379.8	333.0	286.9	246.2	207.2
-65°	557.8	520.8	482.8	446.4	410.2	373.8	335.4	293.4	255.2	219.1	183.9
-67.5°	486.0	454.7	422.3	390.3	358.6	325.4	290.3	256.5	223.6	191.4	160.2
-70°	417.6	389.8	362.4	335.2	306.7	277.1	249.2	220.3	191.4	163.9	136.1
-72.5°	350.7	328.0	304.4	280.3	256.9	233.0	208.4	183.9	160.2	136.1	111.6
-75°	285.6	267.2	248.4	228.9	208.9	188.6	169.2	149.0	128.6	107.9	90.0
-77.5°	224.2	209.0	193.3	179.0	164.1	148.2	131.3	113.7	98.5	84.3	69.2
-80°	166.6	156.3	145.5	134.2	121.3	107.7	95.8	84.3	73.1	61.1	48.4
-82.5°	113.7	106.4	99.0	91.3	82.4	73.7	65.2	56.8	47.5	37.7	31.0
-85°	64.8	60.1	55.2	50.1	44.7	39.5	36.4	33.3	28.9	24.7	20.7
-87.5°	26.7	25.4	24.0	22.7	21.2	19.7	18.2	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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Scaled Data Report



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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°	17.0	14.2	11.4	8.6	5.7	2.9	0.0
82.5°	25.5	21.3	17.1	12.8	8.6	4.3	0.0
80°	35.1	28.3	22.7	17.1	11.4	5.7	0.0
77.5°	53.5	38.3	28.3	21.3	14.2	7.1	0.0
75°	71.7	53.5	35.1	25.5	17.0	8.5	0.0
72.5°	89.7	68.5	47.2	29.6	19.8	9.9	0.0
70°	107.9	83.4	59.1	34.6	22.5	11.2	0.0
67.5°	128.4	98.0	70.8	43.4	25.2	12.6	0.0
65°	148.5	113.5	82.3	52.1	27.8	13.9	0.0
62.5°	168.1	129.6	93.6	60.5	30.4	15.2	0.0
60°	187.2	145.4	104.6	68.8	32.9	16.4	0.0
57.5°	206.4	160.6	116.7	76.9	38.1	17.7	0.0
55°	225.2	175.4	128.4	84.8	43.3	18.9	0.0
52.5°	243.5	189.9	139.7	92.4	48.3	20.0	0.0
50°	261.3	204.9	150.7	99.8	53.0	21.1	0.0
47.5°	278.9	219.4	161.1	107.1	57.6	22.2	0.0
45°	297.1	233.4	171.1	114.6	62.0	23.3	0.0
42.5°	314.5	246.8	180.7	121.7	66.1	24.3	0.0
40°	330.9	259.8	190.3	128.3	70.1	25.2	0.0
37.5°	346.4	272.1	200.1	134.4	73.8	26.1	0.0
35°	360.9	284.1	209.4	140.2	77.2	26.9	0.0
32.5°	374.5	295.5	218.2	145.6	80.4	27.7	0.0
30°	387.0	306.1	226.4	150.6	83.4	28.5	0.0
27.5°	398.5	315.8	233.8	155.2	86.1	29.2	0.0
25°	409.0	324.7	240.4	159.4	88.5	29.8	0.0
22.5°	418.3	332.5	246.4	163.2	90.7	30.4	0.0
20°	426.6	339.2	251.7	166.6	92.6	30.9	0.0
17.5°	434.1	345.1	256.4	169.5	94.3	31.4	0.0
15°	440.9	350.1	260.4	172.0	95.7	31.8	0.0
12.5°	446.7	354.2	263.7	174.1	96.8	32.1	0.0
10°	451.5	357.5	266.3	175.7	97.7	32.4	0.0
7.5°	455.4	359.9	268.2	176.8	98.3	32.6	0.0
5°	458.1	361.4	269.3	177.5	98.7	32.8	0.0
2.5°	459.8	362.0	269.8	177.8	98.8	32.9	0.0
0°	460.4	361.7	269.6	177.6	98.6	32.9	0.0
-2.5°	459.8	362.0	269.8	177.8	98.8	32.9	0.0
-5°	458.1	361.4	269.3	177.5	98.7	32.8	0.0
-7.5°	455.4	359.9	268.2	176.8	98.3	32.6	0.0
-10°	451.5	357.5	266.3	175.7	97.7	32.4	0.0
-12.5°	446.7	354.2	263.7	174.1	96.8	32.1	0.0
-15°	440.9	350.1	260.4	172.0	95.7	31.8	0.0
-17.5°	434.1	345.1	256.4	169.5	94.3	31.4	0.0
-20°	426.6	339.2	251.7	166.6	92.6	30.9	0.0

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Scaled Data Report



REPORT NUMBER: P627727 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	418.3	332.5	246.4	163.2	90.7	30.4	0.0
-25°	409.0	324.7	240.4	159.4	88.5	29.8	0.0
-27.5°	398.5	315.8	233.8	155.2	86.1	29.2	0.0
-30°	387.0	306.1	226.4	150.6	83.4	28.5	0.0
-32.5°	374.5	295.5	218.2	145.6	80.4	27.7	0.0
-35°	360.9	284.1	209.4	140.2	77.2	26.9	0.0
-37.5°	346.4	272.1	200.1	134.4	73.8	26.1	0.0
-40°	330.9	259.8	190.3	128.3	70.1	25.2	0.0
-42.5°	314.5	246.8	180.7	121.7	66.1	24.3	0.0
-45°	297.1	233.4	171.1	114.6	62.0	23.3	0.0
-47.5°	278.9	219.4	161.1	107.1	57.6	22.2	0.0
-50°	261.3	204.9	150.7	99.8	53.0	21.1	0.0
-52.5°	243.5	189.9	139.7	92.4	48.3	20.0	0.0
-55°	225.2	175.4	128.4	84.8	43.3	18.9	0.0
-57.5°	206.4	160.6	116.7	76.9	38.1	17.7	0.0
-60°	187.2	145.4	104.6	68.8	32.9	16.4	0.0
-62.5°	168.1	129.6	93.6	60.5	30.4	15.2	0.0
-65°	148.5	113.5	82.3	52.1	27.8	13.9	0.0
-67.5°	128.4	98.0	70.8	43.4	25.2	12.6	0.0
-70°	107.9	83.4	59.1	34.6	22.5	11.2	0.0
-72.5°	89.7	68.5	47.2	29.6	19.8	9.9	0.0
-75°	71.7	53.5	35.1	25.5	17.0	8.5	0.0
-77.5°	53.5	38.3	28.3	21.3	14.2	7.1	0.0
-80°	35.1	28.3	22.7	17.1	11.4	5.7	0.0
-82.5°	25.5	21.3	17.1	12.8	8.6	4.3	0.0
-85°	17.0	14.2	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)