

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: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-730-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-730-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N95
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

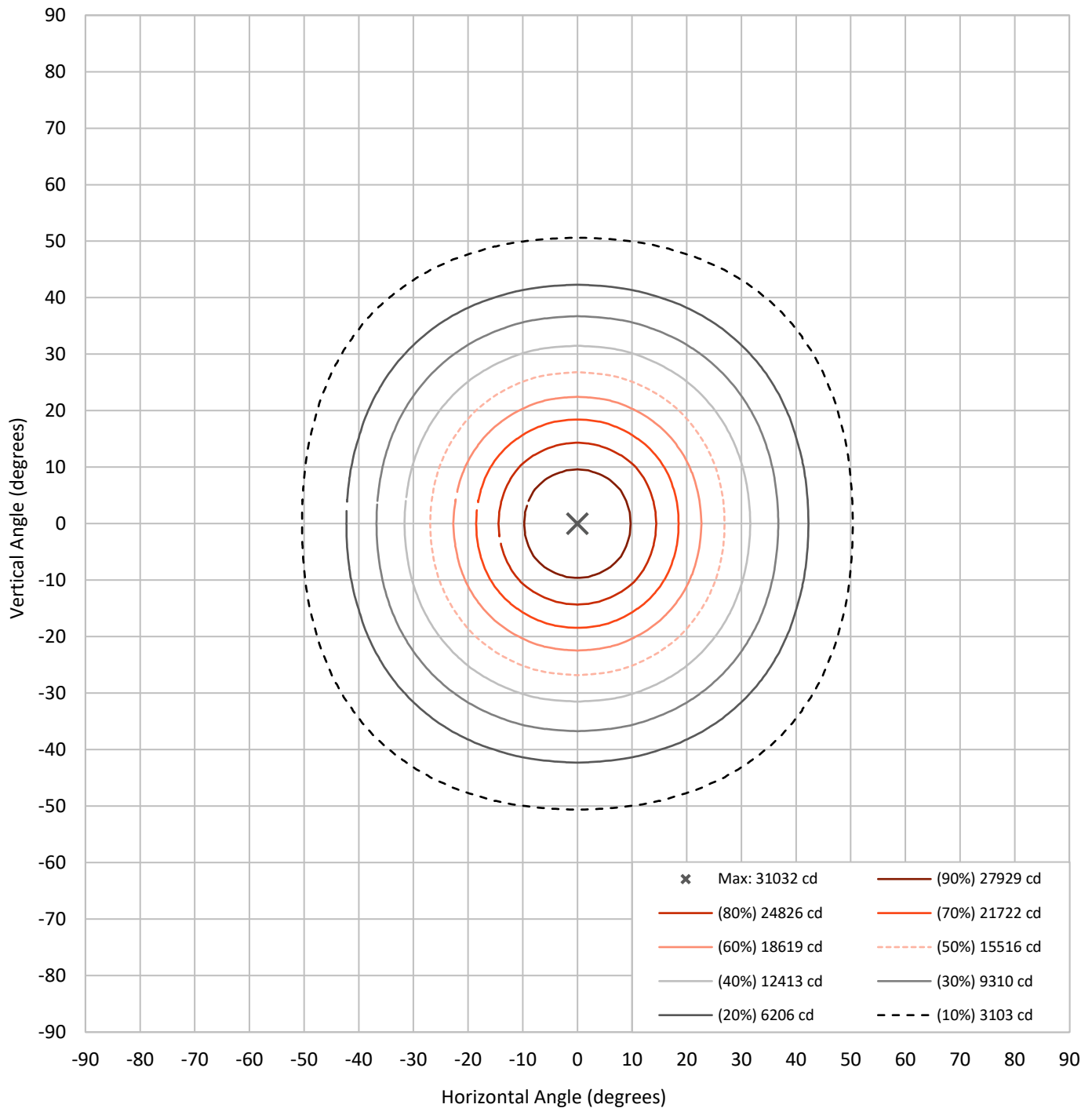
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	31583.3 lumens	Max Intensity:	31032 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	15101.2 lumens	Field Lumens:	27873.4 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	255.9		
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





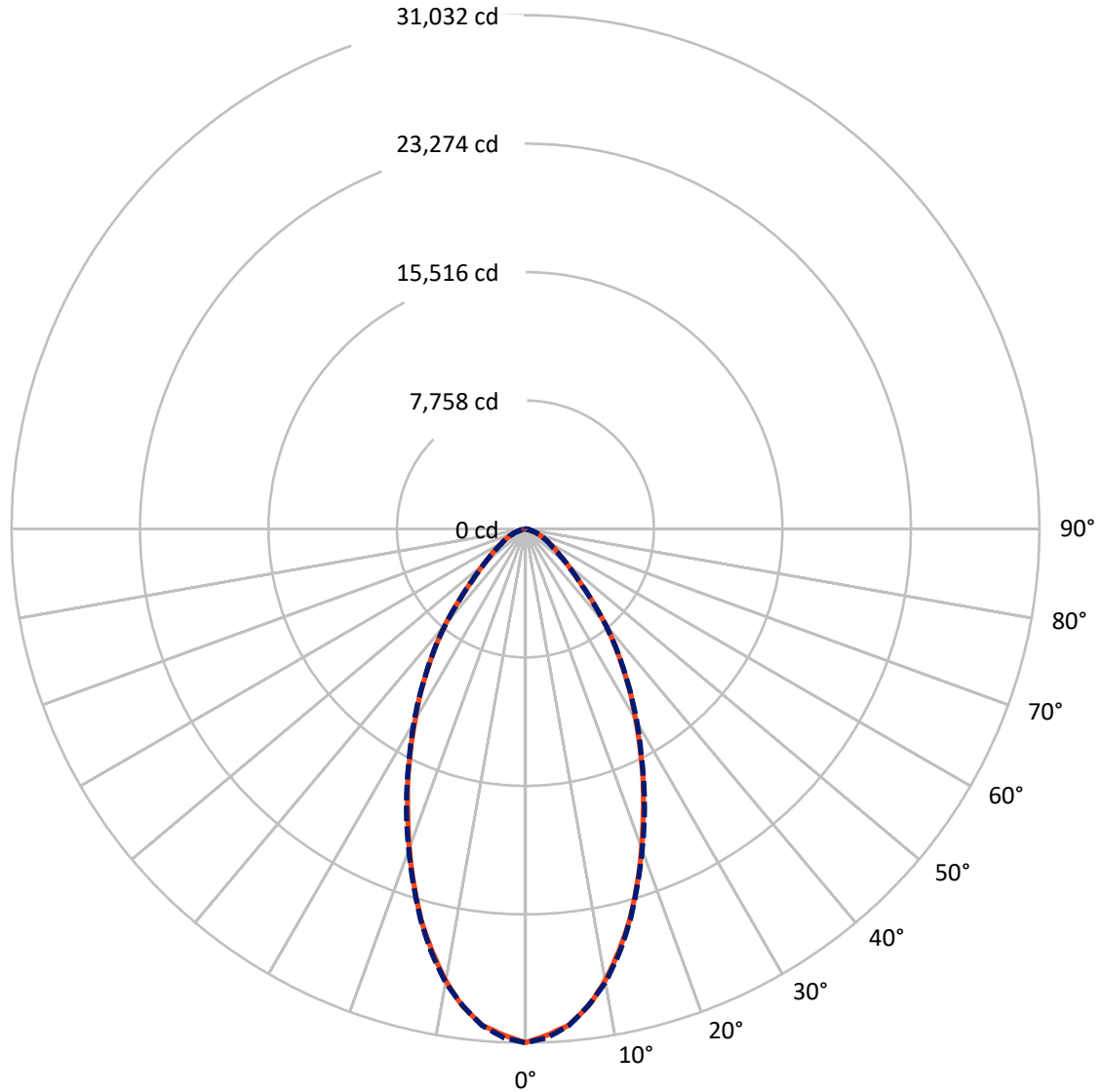
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Lumen Table

90																			
80	1.2	8.7		19.9		33.1		28.3		33.1		19.9		8.7		1.2			
70																			
60	4.1	4.8	9.1	14.5	21.0	27.3	32.1	34.4	34.4	32.1	27.3	21.0	14.5	9.1	4.8	4.1			
50		6.8	13.7	23.7	36.4	50.0	62.4	69.6	69.6	62.4	50.0	36.4	23.7	13.7	6.8				
40	6.0	8.7	18.9	35.4	59.6	91.7	126.4	149.5	149.5	126.4	91.7	59.6	35.4	18.9	8.7	6.0			
30		10.6	24.8	51.4	100.1	177.7	258.2	306.3	306.3	258.2	177.7	100.1	51.4	24.8	10.6				
20	7.2	12.3	30.9	72.0	161.8	290.9	416.2	497.5	497.5	416.2	290.9	161.8	72.0	30.9	12.3	7.2			
10		13.7	36.2	93.4	220.9	392.8	579.9	713.4	713.4	579.9	392.8	220.9	93.4	36.2	13.7				
0	7.5	14.4	39.3	107.2	254.3	456.7	694.9	873.9	873.9	694.9	456.7	254.3	107.2	39.3	14.4	7.5			
-10		14.4	39.3	107.2	254.3	456.7	694.9	873.9	873.9	694.9	456.7	254.3	107.2	39.3	14.4				
-20	7.2	13.7	36.2	93.4	220.9	392.8	579.9	713.4	713.4	579.9	392.8	220.9	93.4	36.2	13.7	7.2			
-30		12.3	30.9	72.0	161.8	290.9	416.2	497.5	497.5	416.2	290.9	161.8	72.0	30.9	12.3				
-40	6.0	10.6	24.8	51.4	100.1	177.7	258.2	306.3	306.3	258.2	177.7	100.1	51.4	24.8	10.6	6.0			
-50		8.7	18.9	35.4	59.6	91.7	126.4	149.5	149.5	126.4	91.7	59.6	35.4	18.9	8.7				
-60	4.1	6.8	13.7	23.7	36.4	50.0	62.4	69.6	69.6	62.4	50.0	36.4	23.7	13.7	6.8	4.1			
-70		4.8	9.1	14.5	21.0	27.3	32.1	34.4	34.4	32.1	27.3	21.0	14.5	9.1	4.8				
-80																			
-90	1.2	8.7		19.9		33.1		28.3		33.1		19.9		8.7		1.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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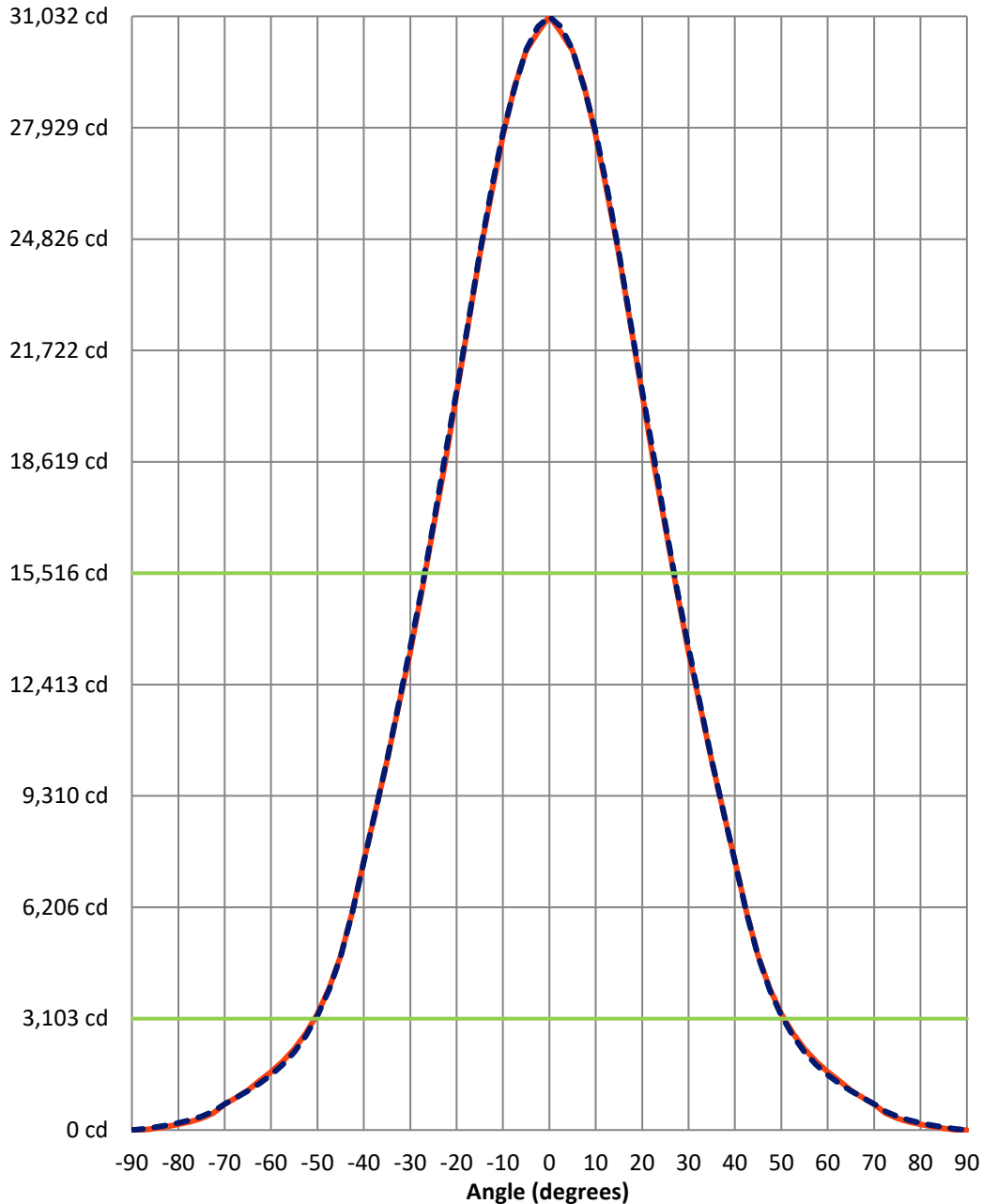
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 15101.2
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 27873.4
 Efficiency: 88.3%

Spill:
 Lumens: 3709.9
 Efficiency: 11.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.6	3.6	5.9	8.6	11.5	14.7	16.3	17.6	18.7	19.5
85°	0.0	3.2	7.3	11.9	17.1	23.0	29.4	32.6	35.3	37.4	39.0
82.5°	0.0	4.7	10.8	17.7	25.6	34.3	44.0	49.0	54.0	62.6	70.2
80°	0.0	6.3	14.4	23.6	34.0	45.6	59.8	74.3	86.9	98.2	108.2
77.5°	0.0	7.8	17.9	29.3	42.2	59.3	85.3	104.1	119.8	133.8	147.8
75°	0.0	9.3	21.4	35.0	51.1	77.5	110.2	133.9	152.7	171.8	192.2
72.5°	0.0	10.8	24.7	40.5	63.3	95.2	134.2	163.0	185.7	210.0	235.9
70°	0.0	12.3	28.0	46.3	75.1	112.1	157.0	190.6	218.1	247.6	282.3
67.5°	0.0	13.7	31.2	53.5	86.4	128.3	176.8	217.6	249.9	286.5	328.1
65°	0.0	15.1	34.3	60.3	97.1	143.2	195.6	243.9	281.3	324.0	371.5
62.5°	0.0	16.4	37.3	66.8	107.2	156.9	213.4	269.0	311.4	360.0	411.8
60°	0.0	17.7	40.2	73.0	116.6	169.6	230.0	292.7	340.1	394.7	450.9
57.5°	0.0	19.0	43.7	78.7	125.4	181.6	245.1	314.0	369.2	428.3	487.0
55°	0.0	20.2	47.0	84.0	133.6	192.5	259.0	331.0	397.6	460.4	521.4
52.5°	0.0	21.3	50.3	88.8	141.0	202.6	271.7	349.6	424.8	491.1	555.2
50°	0.0	22.4	53.3	93.2	147.9	211.8	283.2	366.9	451.1	521.1	592.2
47.5°	0.0	23.5	56.3	97.2	153.9	220.1	294.0	382.8	477.1	550.2	628.5
45°	0.0	24.5	59.1	101.1	159.3	227.5	306.0	397.0	495.7	581.7	663.6
42.5°	0.0	25.4	61.7	104.6	163.9	233.9	316.7	410.9	512.8	612.1	700.0
40°	0.0	26.2	64.2	108.5	168.1	239.3	326.1	424.5	529.7	640.3	735.2
37.5°	0.0	27.0	66.5	112.4	171.8	243.7	334.2	436.7	548.1	662.6	768.6
35°	0.0	27.7	68.6	116.0	174.8	248.7	340.8	447.7	565.9	687.0	802.7
32.5°	0.0	28.4	70.5	119.3	177.2	253.4	347.0	457.2	582.7	711.9	837.6
30°	0.0	29.0	72.3	122.2	178.8	257.1	353.8	466.5	598.7	737.0	870.5
27.5°	0.0	29.5	73.9	124.8	182.6	259.7	359.4	478.1	615.3	762.2	901.3
25°	0.0	29.9	75.3	127.1	186.3	261.3	363.7	488.5	633.9	786.9	930.1
22.5°	0.0	30.3	76.5	129.0	189.5	263.4	366.8	497.5	651.7	809.6	961.6
20°	0.0	30.6	77.6	130.6	192.3	268.1	368.5	505.2	668.3	829.9	989.8
17.5°	0.0	30.9	78.4	131.9	194.6	272.1	372.7	511.4	683.7	847.9	1014.6
15°	0.0	31.0	79.1	132.8	196.5	275.1	377.6	517.3	697.5	863.4	1035.9
12.5°	0.0	31.1	79.5	133.4	197.9	277.4	381.2	522.6	709.3	876.3	1053.6
10°	0.0	31.2	79.8	133.7	198.8	278.8	383.5	525.6	718.4	887.1	1067.9
7.5°	0.0	31.1	79.9	133.7	199.2	279.4	384.4	526.2	724.8	895.4	1079.1
5°	0.0	31.1	79.8	133.3	199.1	279.1	384.0	524.7	728.3	901.1	1086.5
2.5°	0.0	30.9	79.5	132.6	198.5	278.1	382.3	521.0	728.7	903.8	1090.2
0°	0.0	30.7	79.0	131.6	197.4	276.3	379.4	515.4	726.0	903.6	1090.0
-2.5°	0.0	30.9	79.5	132.6	198.5	278.1	382.3	521.0	728.7	903.8	1090.2
-5°	0.0	31.1	79.8	133.3	199.1	279.1	384.0	524.7	728.3	901.1	1086.5
-7.5°	0.0	31.1	79.9	133.7	199.2	279.4	384.4	526.2	724.8	895.4	1079.1
-10°	0.0	31.2	79.8	133.7	198.8	278.8	383.5	525.6	718.4	887.1	1067.9
-12.5°	0.0	31.1	79.5	133.4	197.9	277.4	381.2	522.6	709.3	876.3	1053.6
-15°	0.0	31.0	79.1	132.8	196.5	275.1	377.6	517.3	697.5	863.4	1035.9
-17.5°	0.0	30.9	78.4	131.9	194.6	272.1	372.7	511.4	683.7	847.9	1014.6
-20°	0.0	30.6	77.6	130.6	192.3	268.1	368.5	505.2	668.3	829.9	989.8

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Scaled Data Report



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	30.3	76.5	129.0	189.5	263.4	366.8	497.5	651.7	809.6	961.6
-25°	0.0	29.9	75.3	127.1	186.3	261.3	363.7	488.5	633.9	786.9	930.1
-27.5°	0.0	29.5	73.9	124.8	182.6	259.7	359.4	478.1	615.3	762.2	901.3
-30°	0.0	29.0	72.3	122.2	178.8	257.1	353.8	466.5	598.7	737.0	870.5
-32.5°	0.0	28.4	70.5	119.3	177.2	253.4	347.0	457.2	582.7	711.9	837.6
-35°	0.0	27.7	68.6	116.0	174.8	248.7	340.8	447.7	565.9	687.0	802.7
-37.5°	0.0	27.0	66.5	112.4	171.8	243.7	334.2	436.7	548.1	662.6	768.6
-40°	0.0	26.2	64.2	108.5	168.1	239.3	326.1	424.5	529.7	640.3	735.2
-42.5°	0.0	25.4	61.7	104.6	163.9	233.9	316.7	410.9	512.8	612.1	700.0
-45°	0.0	24.5	59.1	101.1	159.3	227.5	306.0	397.0	495.7	581.7	663.6
-47.5°	0.0	23.5	56.3	97.2	153.9	220.1	294.0	382.8	477.1	550.2	628.5
-50°	0.0	22.4	53.3	93.2	147.9	211.8	283.2	366.9	451.1	521.1	592.2
-52.5°	0.0	21.3	50.3	88.8	141.0	202.6	271.7	349.6	424.8	491.1	555.2
-55°	0.0	20.2	47.0	84.0	133.6	192.5	259.0	331.0	397.6	460.4	521.4
-57.5°	0.0	19.0	43.7	78.7	125.4	181.6	245.1	314.0	369.2	428.3	487.0
-60°	0.0	17.7	40.2	73.0	116.6	169.6	230.0	292.7	340.1	394.7	450.9
-62.5°	0.0	16.4	37.3	66.8	107.2	156.9	213.4	269.0	311.4	360.0	411.8
-65°	0.0	15.1	34.3	60.3	97.1	143.2	195.6	243.9	281.3	324.0	371.5
-67.5°	0.0	13.7	31.2	53.5	86.4	128.3	176.8	217.6	249.9	286.5	328.1
-70°	0.0	12.3	28.0	46.3	75.1	112.1	157.0	190.6	218.1	247.6	282.3
-72.5°	0.0	10.8	24.7	40.5	63.3	95.2	134.2	163.0	185.7	210.0	235.9
-75°	0.0	9.3	21.4	35.0	51.1	77.5	110.2	133.9	152.7	171.8	192.2
-77.5°	0.0	7.8	17.9	29.3	42.2	59.3	85.3	104.1	119.8	133.8	147.8
-80°	0.0	6.3	14.4	23.6	34.0	45.6	59.8	74.3	86.9	98.2	108.2
-82.5°	0.0	4.7	10.8	17.7	25.6	34.3	44.0	49.0	54.0	62.6	70.2
-85°	0.0	3.2	7.3	11.9	17.1	23.0	29.4	32.6	35.3	37.4	39.0
-87.5°	0.0	1.6	3.6	5.9	8.6	11.5	14.7	16.3	17.6	18.7	19.5
-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°	19.8	19.8	19.5	18.9	18.0	16.9	15.6	14.0	14.5	15.1	15.6
85°	39.6	39.6	42.8	45.9	47.3	47.4	46.5	44.5	50.3	56.9	63.9
82.5°	77.2	83.9	90.2	96.2	96.8	95.3	92.4	88.9	100.6	114.8	129.7
80°	118.4	128.2	139.6	150.2	152.7	151.7	148.4	143.0	158.4	180.3	203.9
77.5°	164.2	179.9	194.5	208.0	211.9	211.3	208.8	204.5	224.1	254.5	286.0
75°	212.6	231.6	250.5	267.0	274.1	274.7	273.9	278.5	304.4	339.8	371.1
72.5°	263.1	287.3	308.5	326.7	338.1	346.8	358.2	372.3	398.4	433.3	464.0
70°	316.5	343.3	365.7	385.9	403.3	422.2	446.5	470.6	498.1	532.9	564.8
67.5°	369.2	396.3	421.6	446.4	478.1	508.5	538.7	570.1	604.8	641.4	673.6
65°	417.9	448.7	479.5	515.5	556.8	591.2	628.4	669.3	714.8	755.9	793.3
62.5°	464.7	499.4	537.6	581.1	625.8	668.8	718.8	771.4	824.6	876.1	927.2
60°	504.3	547.5	593.7	643.0	694.5	753.1	811.7	874.3	937.8	999.8	1063.1
57.5°	542.3	595.7	649.0	706.3	770.6	837.6	908.0	978.4	1054.4	1129.5	1201.2
55°	581.7	644.7	705.4	773.3	846.9	925.6	1005.1	1090.5	1174.4	1268.9	1356.2
52.5°	624.0	692.4	763.7	841.4	927.4	1016.1	1109.3	1207.2	1311.7	1416.8	1523.4
50°	665.1	742.2	821.6	914.6	1010.7	1112.1	1219.7	1333.8	1455.4	1577.1	1706.1
47.5°	708.1	790.4	887.4	988.3	1098.4	1213.9	1335.7	1471.4	1606.5	1759.7	1907.7
45°	750.5	845.1	950.4	1067.7	1188.6	1318.6	1463.5	1612.5	1785.0	1958.0	2152.5
42.5°	791.2	900.4	1019.2	1144.5	1282.1	1431.5	1591.9	1779.2	1973.7	2187.9	2416.1
40°	838.0	953.1	1087.0	1227.1	1376.1	1547.0	1739.9	1947.9	2185.2	2438.9	2698.1
37.5°	883.3	1012.7	1153.8	1305.8	1478.8	1671.3	1884.3	2139.2	2413.0	2701.4	3054.1
35°	925.9	1069.4	1222.7	1389.2	1576.6	1799.6	2054.4	2336.1	2651.6	3023.6	3435.1
32.5°	971.1	1123.1	1287.7	1474.6	1686.7	1930.2	2219.6	2551.2	2924.6	3348.3	3863.1
30°	1016.6	1178.3	1352.3	1554.5	1790.4	2072.3	2401.1	2767.6	3197.1	3728.5	4332.9
27.5°	1058.7	1229.9	1420.5	1639.1	1891.4	2203.3	2575.5	3005.1	3511.2	4111.7	4817.6
25°	1097.4	1276.9	1483.2	1719.8	2002.6	2344.8	2748.3	3224.1	3825.4	4541.4	5409.9
22.5°	1134.2	1319.8	1539.9	1792.3	2102.9	2481.7	2935.9	3480.3	4145.0	4948.6	5990.1
20°	1168.8	1366.1	1596.2	1861.7	2192.5	2605.3	3108.3	3719.5	4475.9	5427.2	6559.1
17.5°	1199.2	1406.9	1649.4	1936.7	2292.4	2730.9	3271.0	3930.7	4770.4	5854.6	7084.1
15°	1225.4	1442.1	1695.5	2001.6	2382.3	2855.8	3441.7	4162.3	5077.7	6243.3	7545.1
12.5°	1247.2	1471.6	1734.2	2056.3	2457.8	2961.4	3587.4	4368.7	5376.9	6609.4	7949.8
10°	1264.5	1495.2	1765.4	2100.4	2518.8	3047.1	3707.6	4537.5	5625.9	6923.2	8292.1
7.5°	1278.9	1513.7	1789.3	2133.9	2564.9	3112.6	3801.1	4667.8	5820.5	7171.6	8554.9
5°	1289.2	1527.0	1807.4	2157.3	2598.7	3158.2	3866.5	4758.9	5958.9	7351.7	8734.5
2.5°	1295.0	1534.2	1817.8	2169.8	2619.4	3184.1	3900.8	4816.0	6035.0	7454.5	8843.1
0°	1296.2	1535.3	1820.4	2171.3	2625.3	3189.0	3906.1	4833.9	6051.1	7481.1	8882.6
-2.5°	1295.0	1534.2	1817.8	2169.8	2619.4	3184.1	3900.8	4816.0	6035.0	7454.5	8843.1
-5°	1289.2	1527.0	1807.4	2157.3	2598.7	3158.2	3866.5	4758.9	5958.9	7351.7	8734.5
-7.5°	1278.9	1513.7	1789.3	2133.9	2564.9	3112.6	3801.1	4667.8	5820.5	7171.6	8554.9
-10°	1264.5	1495.2	1765.4	2100.4	2518.8	3047.1	3707.6	4537.5	5625.9	6923.2	8292.1
-12.5°	1247.2	1471.6	1734.2	2056.3	2457.8	2961.4	3587.4	4368.7	5376.9	6609.4	7949.8
-15°	1225.4	1442.1	1695.5	2001.6	2382.3	2855.8	3441.7	4162.3	5077.7	6243.3	7545.1
-17.5°	1199.2	1406.9	1649.4	1936.7	2292.4	2730.9	3271.0	3930.7	4770.4	5854.6	7084.1
-20°	1168.8	1366.1	1596.2	1861.7	2192.5	2605.3	3108.3	3719.5	4475.9	5427.2	6559.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1134.2	1319.8	1539.9	1792.3	2102.9	2481.7	2935.9	3480.3	4145.0	4948.6	5990.1
-25°	1097.4	1276.9	1483.2	1719.8	2002.6	2344.8	2748.3	3224.1	3825.4	4541.4	5409.9
-27.5°	1058.7	1229.9	1420.5	1639.1	1891.4	2203.3	2575.5	3005.1	3511.2	4111.7	4817.6
-30°	1016.6	1178.3	1352.3	1554.5	1790.4	2072.3	2401.1	2767.6	3197.1	3728.5	4332.9
-32.5°	971.1	1123.1	1287.7	1474.6	1686.7	1930.2	2219.6	2551.2	2924.6	3348.3	3863.1
-35°	925.9	1069.4	1222.7	1389.2	1576.6	1799.6	2054.4	2336.1	2651.6	3023.6	3435.1
-37.5°	883.3	1012.7	1153.8	1305.8	1478.8	1671.3	1884.3	2139.2	2413.0	2701.4	3054.1
-40°	838.0	953.1	1087.0	1227.1	1376.1	1547.0	1739.9	1947.9	2185.2	2438.9	2698.1
-42.5°	791.2	900.4	1019.2	1144.5	1282.1	1431.5	1591.9	1779.2	1973.7	2187.9	2416.1
-45°	750.5	845.1	950.4	1067.7	1188.6	1318.6	1463.5	1612.5	1785.0	1958.0	2152.5
-47.5°	708.1	790.4	887.4	988.3	1098.4	1213.9	1335.7	1471.4	1606.5	1759.7	1907.7
-50°	665.1	742.2	821.6	914.6	1010.7	1112.1	1219.7	1333.8	1455.4	1577.1	1706.1
-52.5°	624.0	692.4	763.7	841.4	927.4	1016.1	1109.3	1207.2	1311.7	1416.8	1523.4
-55°	581.7	644.7	705.4	773.3	846.9	925.6	1005.1	1090.5	1174.4	1268.9	1356.2
-57.5°	542.3	595.7	649.0	706.3	770.6	837.6	908.0	978.4	1054.4	1129.5	1201.2
-60°	504.3	547.5	593.7	643.0	694.5	753.1	811.7	874.3	937.8	999.8	1063.1
-62.5°	464.7	499.4	537.6	581.1	625.8	668.8	718.8	771.4	824.6	876.1	927.2
-65°	417.9	448.7	479.5	515.5	556.8	591.2	628.4	669.3	714.8	755.9	793.3
-67.5°	369.2	396.3	421.6	446.4	478.1	508.5	538.7	570.1	604.8	641.4	673.6
-70°	316.5	343.3	365.7	385.9	403.3	422.2	446.5	470.6	498.1	532.9	564.8
-72.5°	263.1	287.3	308.5	326.7	338.1	346.8	358.2	372.3	398.4	433.3	464.0
-75°	212.6	231.6	250.5	267.0	274.1	274.7	273.9	278.5	304.4	339.8	371.1
-77.5°	164.2	179.9	194.5	208.0	211.9	211.3	208.8	204.5	224.1	254.5	286.0
-80°	118.4	128.2	139.6	150.2	152.7	151.7	148.4	143.0	158.4	180.3	203.9
-82.5°	77.2	83.9	90.2	96.2	96.8	95.3	92.4	88.9	100.6	114.8	129.7
-85°	39.6	39.6	42.8	45.9	47.3	47.4	46.5	44.5	50.3	56.9	63.9
-87.5°	19.8	19.8	19.5	18.9	18.0	16.9	15.6	14.0	14.5	15.1	15.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-U-WR-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°	16.1	15.7	15.2	14.6	14.0	13.7	13.4	13.1	12.8	11.8	10.8
85°	71.3	72.9	73.8	74.2	74.2	76.6	78.8	80.8	82.6	74.9	66.4
82.5°	145.1	151.9	157.8	163.8	169.6	173.6	176.7	178.9	180.3	163.2	144.1
80°	228.3	242.6	254.4	265.8	276.6	279.3	279.2	277.7	274.7	251.3	224.9
77.5°	317.5	336.2	351.1	365.8	380.3	385.7	388.2	390.2	391.5	362.6	327.0
75°	398.4	420.7	441.5	460.8	478.6	488.1	493.7	498.2	501.7	472.7	434.5
72.5°	490.7	514.3	536.8	558.2	577.1	589.6	597.8	604.5	609.7	593.2	569.3
70°	592.2	616.6	640.4	662.6	684.0	700.8	714.0	725.4	734.9	736.7	735.9
67.5°	704.8	733.7	761.9	786.2	811.6	835.3	856.2	873.5	887.4	896.6	901.7
65°	831.2	874.6	913.3	946.0	973.4	1005.1	1033.1	1054.4	1069.5	1080.9	1090.7
62.5°	980.2	1032.9	1077.0	1120.7	1165.7	1209.5	1236.8	1264.3	1291.1	1316.5	1338.1
60°	1123.7	1181.3	1241.1	1296.9	1348.5	1396.0	1445.1	1488.6	1526.7	1558.5	1582.3
57.5°	1276.5	1346.7	1414.7	1485.5	1552.1	1614.2	1674.9	1730.9	1779.3	1820.0	1853.3
55°	1442.4	1528.3	1609.1	1699.0	1786.0	1865.5	1938.6	2013.5	2081.1	2140.5	2187.7
52.5°	1621.3	1732.9	1840.0	1945.4	2058.3	2160.2	2251.4	2355.3	2447.4	2523.6	2582.9
50°	1834.8	1966.0	2107.3	2238.0	2380.4	2520.6	2649.9	2775.1	2897.6	3003.5	3089.2
47.5°	2078.0	2239.4	2414.4	2587.8	2764.5	2956.2	3127.2	3286.1	3457.4	3606.1	3725.3
45°	2348.2	2554.1	2765.5	3009.1	3233.5	3479.8	3707.7	3912.4	4155.2	4369.2	4541.4
42.5°	2648.0	2922.3	3200.3	3507.2	3804.9	4117.6	4449.7	4744.2	5066.3	5373.4	5621.5
40°	3019.7	3347.5	3719.9	4091.3	4518.7	4920.2	5404.0	5843.6	6242.8	6609.0	6909.0
37.5°	3432.7	3854.7	4322.5	4806.3	5391.1	5964.3	6530.6	7065.2	7537.1	7937.9	8274.1
35°	3901.5	4437.7	5004.3	5710.7	6395.9	7082.4	7722.0	8306.3	8819.6	9271.8	9656.3
32.5°	4440.8	5084.4	5877.6	6671.1	7452.6	8208.6	8910.7	9548.1	10111.0	10618.7	11060.8
30°	5007.7	5885.9	6776.2	7646.7	8500.3	9328.3	10099.0	10801.0	11437.1	12002.2	12511.6
27.5°	5728.2	6701.5	7672.2	8610.6	9549.7	10455.9	11291.1	12071.0	12800.9	13439.6	14021.8
25°	6425.1	7500.3	8532.2	9555.4	10577.6	11550.5	12484.4	13365.2	14201.2	14934.3	15584.3
22.5°	7121.9	8247.3	9350.0	10450.1	11548.3	12632.9	13681.5	14690.6	15625.5	16460.3	17192.0
20°	7767.3	8943.6	10122.9	11308.9	12499.3	13686.4	14864.2	15999.8	17041.3	18005.1	18852.0
17.5°	8345.8	9597.0	10847.2	12115.8	13406.2	14695.1	16003.4	17276.5	18467.2	19563.7	20546.2
15°	8858.2	10163.7	11506.4	12875.4	14261.0	15660.9	17088.4	18512.7	19853.1	21098.6	22195.4
12.5°	9306.2	10663.4	12070.8	13525.3	15029.1	16554.2	18112.2	19673.4	21157.3	22595.3	23779.5
10°	9675.8	11088.5	12559.4	14087.7	15673.6	17315.0	18986.4	20667.0	22301.9	23827.3	25181.6
7.5°	9961.3	11426.8	12942.5	14532.1	16196.0	17926.8	19697.4	21480.9	23225.6	24869.2	26367.7
5°	10162.7	11673.1	13207.9	14861.4	16583.1	18376.7	20217.0	22075.5	23899.3	25627.5	27180.6
2.5°	10279.6	11821.0	13362.4	15061.5	16813.3	18648.9	20539.1	22428.2	24300.2	26092.6	27688.5
0°	10310.4	11865.4	13451.1	15082.8	16885.7	18776.2	20598.8	22493.7	24439.1	26206.9	27797.0
-2.5°	10279.6	11821.0	13362.4	15061.5	16813.3	18648.9	20539.1	22428.2	24300.2	26092.6	27688.5
-5°	10162.7	11673.1	13207.9	14861.4	16583.1	18376.7	20217.0	22075.5	23899.3	25627.5	27180.6
-7.5°	9961.3	11426.8	12942.5	14532.1	16196.0	17926.8	19697.4	21480.9	23225.6	24869.2	26367.7
-10°	9675.8	11088.5	12559.4	14087.7	15673.6	17315.0	18986.4	20667.0	22301.9	23827.3	25181.6
-12.5°	9306.2	10663.4	12070.8	13525.3	15029.1	16554.2	18112.2	19673.4	21157.3	22595.3	23779.5
-15°	8858.2	10163.7	11506.4	12875.4	14261.0	15660.9	17088.4	18512.7	19853.1	21098.6	22195.4
-17.5°	8345.8	9597.0	10847.2	12115.8	13406.2	14695.1	16003.4	17276.5	18467.2	19563.7	20546.2
-20°	7767.3	8943.6	10122.9	11308.9	12499.3	13686.4	14864.2	15999.8	17041.3	18005.1	18852.0



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7121.9	8247.3	9350.0	10450.1	11548.3	12632.9	13681.5	14690.6	15625.5	16460.3	17192.0
-25°	6425.1	7500.3	8532.2	9555.4	10577.6	11550.5	12484.4	13365.2	14201.2	14934.3	15584.3
-27.5°	5728.2	6701.5	7672.2	8610.6	9549.7	10455.9	11291.1	12071.0	12800.9	13439.6	14021.8
-30°	5007.7	5885.9	6776.2	7646.7	8500.3	9328.3	10099.0	10801.0	11437.1	12002.2	12511.6
-32.5°	4440.8	5084.4	5877.6	6671.1	7452.6	8208.6	8910.7	9548.1	10111.0	10618.7	11060.8
-35°	3901.5	4437.7	5004.3	5710.7	6395.9	7082.4	7722.0	8306.3	8819.6	9271.8	9656.3
-37.5°	3432.7	3854.7	4322.5	4806.3	5391.1	5964.3	6530.6	7065.2	7537.1	7937.9	8274.1
-40°	3019.7	3347.5	3719.9	4091.3	4518.7	4920.2	5404.0	5843.6	6242.8	6609.0	6909.0
-42.5°	2648.0	2922.3	3200.3	3507.2	3804.9	4117.6	4449.7	4744.2	5066.3	5373.4	5621.5
-45°	2348.2	2554.1	2765.5	3009.1	3233.5	3479.8	3707.7	3912.4	4155.2	4369.2	4541.4
-47.5°	2078.0	2239.4	2414.4	2587.8	2764.5	2956.2	3127.2	3286.1	3457.4	3606.1	3725.3
-50°	1834.8	1966.0	2107.3	2238.0	2380.4	2520.6	2649.9	2775.1	2897.6	3003.5	3089.2
-52.5°	1621.3	1732.9	1840.0	1945.4	2058.3	2160.2	2251.4	2355.3	2447.4	2523.6	2582.9
-55°	1442.4	1528.3	1609.1	1699.0	1786.0	1865.5	1938.6	2013.5	2081.1	2140.5	2187.7
-57.5°	1276.5	1346.7	1414.7	1485.5	1552.1	1614.2	1674.9	1730.9	1779.3	1820.0	1853.3
-60°	1123.7	1181.3	1241.1	1296.9	1348.5	1396.0	1445.1	1488.6	1526.7	1558.5	1582.3
-62.5°	980.2	1032.9	1077.0	1120.7	1165.7	1209.5	1236.8	1264.3	1291.1	1316.5	1338.1
-65°	831.2	874.6	913.3	946.0	973.4	1005.1	1033.1	1054.4	1069.5	1080.9	1090.7
-67.5°	704.8	733.7	761.9	786.2	811.6	835.3	856.2	873.5	887.4	896.6	901.7
-70°	592.2	616.6	640.4	662.6	684.0	700.8	714.0	725.4	734.9	736.7	735.9
-72.5°	490.7	514.3	536.8	558.2	577.1	589.6	597.8	604.5	609.7	593.2	569.3
-75°	398.4	420.7	441.5	460.8	478.6	488.1	493.7	498.2	501.7	472.7	434.5
-77.5°	317.5	336.2	351.1	365.8	380.3	385.7	388.2	390.2	391.5	362.6	327.0
-80°	228.3	242.6	254.4	265.8	276.6	279.3	279.2	277.7	274.7	251.3	224.9
-82.5°	145.1	151.9	157.8	163.8	169.6	173.6	176.7	178.9	180.3	163.2	144.1
-85°	71.3	72.9	73.8	74.2	74.2	76.6	78.8	80.8	82.6	74.9	66.4
-87.5°	16.1	15.7	15.2	14.6	14.0	13.7	13.4	13.1	12.8	11.8	10.8
-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: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-U-WR-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°	9.8	8.8	7.7	6.6	7.7	8.8	9.8	10.8	11.8	12.8	13.1
85°	57.4	48.1	47.1	46.1	47.1	48.1	57.4	66.4	74.9	82.6	80.8
82.5°	123.9	102.8	99.7	96.5	99.7	102.8	123.9	144.1	163.2	180.3	178.9
80°	197.3	168.8	163.2	157.9	163.2	168.8	197.3	224.9	251.3	274.7	277.7
77.5°	289.5	250.4	238.9	228.1	238.9	250.4	289.5	327.0	362.6	391.5	390.2
75°	394.8	353.7	339.8	326.8	339.8	353.7	394.8	434.5	472.7	501.7	498.2
72.5°	545.2	520.1	494.9	467.2	494.9	520.1	545.2	569.3	593.2	609.7	604.5
70°	735.1	733.3	727.0	717.2	727.0	733.3	735.1	735.9	736.7	734.9	725.4
67.5°	903.9	903.2	905.4	905.8	905.4	903.2	903.9	901.7	896.6	887.4	873.5
65°	1096.7	1098.8	1103.4	1105.4	1103.4	1098.8	1096.7	1090.7	1080.9	1069.5	1054.4
62.5°	1354.7	1365.8	1371.4	1370.8	1371.4	1365.8	1354.7	1338.1	1316.5	1291.1	1264.3
60°	1600.0	1611.6	1619.0	1620.8	1619.0	1611.6	1600.0	1582.3	1558.5	1526.7	1488.6
57.5°	1879.7	1898.8	1908.9	1910.3	1908.9	1898.8	1879.7	1853.3	1820.0	1779.3	1730.9
55°	2223.8	2249.0	2260.3	2259.0	2260.3	2249.0	2223.8	2187.7	2140.5	2081.1	2013.5
52.5°	2627.7	2658.4	2681.5	2695.5	2681.5	2658.4	2627.7	2582.9	2523.6	2447.4	2355.3
50°	3153.6	3197.7	3225.7	3237.2	3225.7	3197.7	3153.6	3089.2	3003.5	2897.6	2775.1
47.5°	3811.5	3870.0	3913.3	3943.4	3913.3	3870.0	3811.5	3725.3	3606.1	3457.4	3286.1
45°	4668.6	4757.8	4818.2	4853.6	4818.2	4757.8	4668.6	4541.4	4369.2	4155.2	3912.4
42.5°	5815.3	5953.6	6038.4	6070.9	6038.4	5953.6	5815.3	5621.5	5373.4	5066.3	4744.2
40°	7146.0	7312.2	7421.1	7496.5	7421.1	7312.2	7146.0	6909.0	6609.0	6242.8	5843.6
37.5°	8532.1	8706.6	8812.7	8884.8	8812.7	8706.6	8532.1	8274.1	7937.9	7537.1	7065.2
35°	9946.1	10128.8	10228.3	10284.0	10228.3	10128.8	9946.1	9656.3	9271.8	8819.6	8306.3
32.5°	11397.8	11599.1	11707.3	11819.3	11707.3	11599.1	11397.8	11060.8	10618.7	10111.0	9548.1
30°	12914.0	13145.0	13258.3	13312.9	13258.3	13145.0	12914.0	12511.6	12002.2	11437.1	10801.0
27.5°	14491.7	14779.6	14921.4	15014.8	14921.4	14779.6	14491.7	14021.8	13439.6	12800.9	12071.0
25°	16133.3	16490.1	16652.6	16797.9	16652.6	16490.1	16133.3	15584.3	14934.3	14201.2	13365.2
22.5°	17836.6	18280.9	18469.0	18572.2	18469.0	18280.9	17836.6	17192.0	16460.3	15625.5	14690.6
20°	19584.3	20115.2	20376.5	20511.1	20376.5	20115.2	19584.3	18852.0	18005.1	17041.3	15999.8
17.5°	21371.4	22031.8	22370.0	22447.7	22370.0	22031.8	21371.4	20546.2	19563.7	18467.2	17276.5
15°	23125.9	23840.2	24240.0	24386.5	24240.0	23840.2	23125.9	22195.4	21098.6	19853.1	18512.7
12.5°	24787.4	25527.7	26005.5	26090.6	26005.5	25527.7	24787.4	23779.5	22595.3	21157.3	19673.4
10°	26294.3	27061.2	27589.0	27709.2	27589.0	27061.2	26294.3	25181.6	23827.3	22301.9	20667.0
7.5°	27554.0	28395.6	28978.6	29080.0	28978.6	28395.6	27554.0	26367.7	24869.2	23225.6	21480.9
5°	28475.8	29474.9	29953.4	30073.5	29953.4	29474.9	28475.8	27180.6	25627.5	23899.3	22075.5
2.5°	28981.4	29998.5	30663.6	30586.7	30663.6	29998.5	28981.4	27688.5	26092.6	24300.2	22428.2
0°	29038.3	30102.0	30738.1	31032.0	30738.1	30102.0	29038.3	27797.0	26206.9	24439.1	22493.7
-2.5°	28981.4	29998.5	30663.6	30586.7	30663.6	29998.5	28981.4	27688.5	26092.6	24300.2	22428.2
-5°	28475.8	29474.9	29953.4	30073.5	29953.4	29474.9	28475.8	27180.6	25627.5	23899.3	22075.5
-7.5°	27554.0	28395.6	28978.6	29080.0	28978.6	28395.6	27554.0	26367.7	24869.2	23225.6	21480.9
-10°	26294.3	27061.2	27589.0	27709.2	27589.0	27061.2	26294.3	25181.6	23827.3	22301.9	20667.0
-12.5°	24787.4	25527.7	26005.5	26090.6	26005.5	25527.7	24787.4	23779.5	22595.3	21157.3	19673.4
-15°	23125.9	23840.2	24240.0	24386.5	24240.0	23840.2	23125.9	22195.4	21098.6	19853.1	18512.7
-17.5°	21371.4	22031.8	22370.0	22447.7	22370.0	22031.8	21371.4	20546.2	19563.7	18467.2	17276.5
-20°	19584.3	20115.2	20376.5	20511.1	20376.5	20115.2	19584.3	18852.0	18005.1	17041.3	15999.8



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17836.6	18280.9	18469.0	18572.2	18469.0	18280.9	17836.6	17192.0	16460.3	15625.5	14690.6
-25°	16133.3	16490.1	16652.6	16797.9	16652.6	16490.1	16133.3	15584.3	14934.3	14201.2	13365.2
-27.5°	14491.7	14779.6	14921.4	15014.8	14921.4	14779.6	14491.7	14021.8	13439.6	12800.9	12071.0
-30°	12914.0	13145.0	13258.3	13312.9	13258.3	13145.0	12914.0	12511.6	12002.2	11437.1	10801.0
-32.5°	11397.8	11599.1	11707.3	11819.3	11707.3	11599.1	11397.8	11060.8	10618.7	10111.0	9548.1
-35°	9946.1	10128.8	10228.3	10284.0	10228.3	10128.8	9946.1	9656.3	9271.8	8819.6	8306.3
-37.5°	8532.1	8706.6	8812.7	8884.8	8812.7	8706.6	8532.1	8274.1	7937.9	7537.1	7065.2
-40°	7146.0	7312.2	7421.1	7496.5	7421.1	7312.2	7146.0	6909.0	6609.0	6242.8	5843.6
-42.5°	5815.3	5953.6	6038.4	6070.9	6038.4	5953.6	5815.3	5621.5	5373.4	5066.3	4744.2
-45°	4668.6	4757.8	4818.2	4853.6	4818.2	4757.8	4668.6	4541.4	4369.2	4155.2	3912.4
-47.5°	3811.5	3870.0	3913.3	3943.4	3913.3	3870.0	3811.5	3725.3	3606.1	3457.4	3286.1
-50°	3153.6	3197.7	3225.7	3237.2	3225.7	3197.7	3153.6	3089.2	3003.5	2897.6	2775.1
-52.5°	2627.7	2658.4	2681.5	2695.5	2681.5	2658.4	2627.7	2582.9	2523.6	2447.4	2355.3
-55°	2223.8	2249.0	2260.3	2259.0	2260.3	2249.0	2223.8	2187.7	2140.5	2081.1	2013.5
-57.5°	1879.7	1898.8	1908.9	1910.3	1908.9	1898.8	1879.7	1853.3	1820.0	1779.3	1730.9
-60°	1600.0	1611.6	1619.0	1620.8	1619.0	1611.6	1600.0	1582.3	1558.5	1526.7	1488.6
-62.5°	1354.7	1365.8	1371.4	1370.8	1371.4	1365.8	1354.7	1338.1	1316.5	1291.1	1264.3
-65°	1096.7	1098.8	1103.4	1105.4	1103.4	1098.8	1096.7	1090.7	1080.9	1069.5	1054.4
-67.5°	903.9	903.2	905.4	905.8	905.4	903.2	903.9	901.7	896.6	887.4	873.5
-70°	735.1	733.3	727.0	717.2	727.0	733.3	735.1	735.9	736.7	734.9	725.4
-72.5°	545.2	520.1	494.9	467.2	494.9	520.1	545.2	569.3	593.2	609.7	604.5
-75°	394.8	353.7	339.8	326.8	339.8	353.7	394.8	434.5	472.7	501.7	498.2
-77.5°	289.5	250.4	238.9	228.1	238.9	250.4	289.5	327.0	362.6	391.5	390.2
-80°	197.3	168.8	163.2	157.9	163.2	168.8	197.3	224.9	251.3	274.7	277.7
-82.5°	123.9	102.8	99.7	96.5	99.7	102.8	123.9	144.1	163.2	180.3	178.9
-85°	57.4	48.1	47.1	46.1	47.1	48.1	57.4	66.4	74.9	82.6	80.8
-87.5°	9.8	8.8	7.7	6.6	7.7	8.8	9.8	10.8	11.8	12.8	13.1
-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: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-WR-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°	13.4	13.7	14.0	14.6	15.2	15.7	16.1	15.6	15.1	14.5	14.0
85°	78.8	76.6	74.2	74.2	73.8	72.9	71.3	63.9	56.9	50.3	44.5
82.5°	176.7	173.6	169.6	163.8	157.8	151.9	145.1	129.7	114.8	100.6	88.9
80°	279.2	279.3	276.6	265.8	254.4	242.6	228.3	203.9	180.3	158.4	143.0
77.5°	388.2	385.7	380.3	365.8	351.1	336.2	317.5	286.0	254.5	224.1	204.5
75°	493.7	488.1	478.6	460.8	441.5	420.7	398.4	371.1	339.8	304.4	278.5
72.5°	597.8	589.6	577.1	558.2	536.8	514.3	490.7	464.0	433.3	398.4	372.3
70°	714.0	700.8	684.0	662.6	640.4	616.6	592.2	564.8	532.9	498.1	470.6
67.5°	856.2	835.3	811.6	786.2	761.9	733.7	704.8	673.6	641.4	604.8	570.1
65°	1033.1	1005.1	973.4	946.0	913.3	874.6	831.2	793.3	755.9	714.8	669.3
62.5°	1236.8	1209.5	1165.7	1120.7	1077.0	1032.9	980.2	927.2	876.1	824.6	771.4
60°	1445.1	1396.0	1348.5	1296.9	1241.1	1181.3	1123.7	1063.1	999.8	937.8	874.3
57.5°	1674.9	1614.2	1552.1	1485.5	1414.7	1346.7	1276.5	1201.2	1129.5	1054.4	978.4
55°	1938.6	1865.5	1786.0	1699.0	1609.1	1528.3	1442.4	1356.2	1268.9	1174.4	1090.5
52.5°	2251.4	2160.2	2058.3	1945.4	1840.0	1732.9	1621.3	1523.4	1416.8	1311.7	1207.2
50°	2649.9	2520.6	2380.4	2238.0	2107.3	1966.0	1834.8	1706.1	1577.1	1455.4	1333.8
47.5°	3127.2	2956.2	2764.5	2587.8	2414.4	2239.4	2078.0	1907.7	1759.7	1606.5	1471.4
45°	3707.7	3479.8	3233.5	3009.1	2765.5	2554.1	2348.2	2152.5	1958.0	1785.0	1612.5
42.5°	4449.7	4117.6	3804.9	3507.2	3200.3	2922.3	2648.0	2416.1	2187.9	1973.7	1779.2
40°	5404.0	4920.2	4518.7	4091.3	3719.9	3347.5	3019.7	2698.1	2438.9	2185.2	1947.9
37.5°	6530.6	5964.3	5391.1	4806.3	4322.5	3854.7	3432.7	3054.1	2701.4	2413.0	2139.2
35°	7722.0	7082.4	6395.9	5710.7	5004.3	4437.7	3901.5	3435.1	3023.6	2651.6	2336.1
32.5°	8910.7	8208.6	7452.6	6671.1	5877.6	5084.4	4440.8	3863.1	3348.3	2924.6	2551.2
30°	10099.0	9328.3	8500.3	7646.7	6776.2	5885.9	5007.7	4332.9	3728.5	3197.1	2767.6
27.5°	11291.1	10455.9	9549.7	8610.6	7672.2	6701.5	5728.2	4817.6	4111.7	3511.2	3005.1
25°	12484.4	11550.5	10577.6	9555.4	8532.2	7500.3	6425.1	5409.9	4541.4	3825.4	3224.1
22.5°	13681.5	12632.9	11548.3	10450.1	9350.0	8247.3	7121.9	5990.1	4948.6	4145.0	3480.3
20°	14864.2	13686.4	12499.3	11308.9	10122.9	8943.6	7767.3	6559.1	5427.2	4475.9	3719.5
17.5°	16003.4	14695.1	13406.2	12115.8	10847.2	9597.0	8345.8	7084.1	5854.6	4770.4	3930.7
15°	17088.4	15660.9	14261.0	12875.4	11506.4	10163.7	8858.2	7545.1	6243.3	5077.7	4162.3
12.5°	18112.2	16554.2	15029.1	13525.3	12070.8	10663.4	9306.2	7949.8	6609.4	5376.9	4368.7
10°	18986.4	17315.0	15673.6	14087.7	12559.4	11088.5	9675.8	8292.1	6923.2	5625.9	4537.5
7.5°	19697.4	17926.8	16196.0	14532.1	12942.5	11426.8	9961.3	8554.9	7171.6	5820.5	4667.8
5°	20217.0	18376.7	16583.1	14861.4	13207.9	11673.1	10162.7	8734.5	7351.7	5958.9	4758.9
2.5°	20539.1	18648.9	16813.3	15061.5	13362.4	11821.0	10279.6	8843.1	7454.5	6035.0	4816.0
0°	20598.8	18776.2	16885.7	15082.8	13451.1	11865.4	10310.4	8882.6	7481.1	6051.1	4833.9
-2.5°	20539.1	18648.9	16813.3	15061.5	13362.4	11821.0	10279.6	8843.1	7454.5	6035.0	4816.0
-5°	20217.0	18376.7	16583.1	14861.4	13207.9	11673.1	10162.7	8734.5	7351.7	5958.9	4758.9
-7.5°	19697.4	17926.8	16196.0	14532.1	12942.5	11426.8	9961.3	8554.9	7171.6	5820.5	4667.8
-10°	18986.4	17315.0	15673.6	14087.7	12559.4	11088.5	9675.8	8292.1	6923.2	5625.9	4537.5
-12.5°	18112.2	16554.2	15029.1	13525.3	12070.8	10663.4	9306.2	7949.8	6609.4	5376.9	4368.7
-15°	17088.4	15660.9	14261.0	12875.4	11506.4	10163.7	8858.2	7545.1	6243.3	5077.7	4162.3
-17.5°	16003.4	14695.1	13406.2	12115.8	10847.2	9597.0	8345.8	7084.1	5854.6	4770.4	3930.7
-20°	14864.2	13686.4	12499.3	11308.9	10122.9	8943.6	7767.3	6559.1	5427.2	4475.9	3719.5



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13681.5	12632.9	11548.3	10450.1	9350.0	8247.3	7121.9	5990.1	4948.6	4145.0	3480.3
-25°	12484.4	11550.5	10577.6	9555.4	8532.2	7500.3	6425.1	5409.9	4541.4	3825.4	3224.1
-27.5°	11291.1	10455.9	9549.7	8610.6	7672.2	6701.5	5728.2	4817.6	4111.7	3511.2	3005.1
-30°	10099.0	9328.3	8500.3	7646.7	6776.2	5885.9	5007.7	4332.9	3728.5	3197.1	2767.6
-32.5°	8910.7	8208.6	7452.6	6671.1	5877.6	5084.4	4440.8	3863.1	3348.3	2924.6	2551.2
-35°	7722.0	7082.4	6395.9	5710.7	5004.3	4437.7	3901.5	3435.1	3023.6	2651.6	2336.1
-37.5°	6530.6	5964.3	5391.1	4806.3	4322.5	3854.7	3432.7	3054.1	2701.4	2413.0	2139.2
-40°	5404.0	4920.2	4518.7	4091.3	3719.9	3347.5	3019.7	2698.1	2438.9	2185.2	1947.9
-42.5°	4449.7	4117.6	3804.9	3507.2	3200.3	2922.3	2648.0	2416.1	2187.9	1973.7	1779.2
-45°	3707.7	3479.8	3233.5	3009.1	2765.5	2554.1	2348.2	2152.5	1958.0	1785.0	1612.5
-47.5°	3127.2	2956.2	2764.5	2587.8	2414.4	2239.4	2078.0	1907.7	1759.7	1606.5	1471.4
-50°	2649.9	2520.6	2380.4	2238.0	2107.3	1966.0	1834.8	1706.1	1577.1	1455.4	1333.8
-52.5°	2251.4	2160.2	2058.3	1945.4	1840.0	1732.9	1621.3	1523.4	1416.8	1311.7	1207.2
-55°	1938.6	1865.5	1786.0	1699.0	1609.1	1528.3	1442.4	1356.2	1268.9	1174.4	1090.5
-57.5°	1674.9	1614.2	1552.1	1485.5	1414.7	1346.7	1276.5	1201.2	1129.5	1054.4	978.4
-60°	1445.1	1396.0	1348.5	1296.9	1241.1	1181.3	1123.7	1063.1	999.8	937.8	874.3
-62.5°	1236.8	1209.5	1165.7	1120.7	1077.0	1032.9	980.2	927.2	876.1	824.6	771.4
-65°	1033.1	1005.1	973.4	946.0	913.3	874.6	831.2	793.3	755.9	714.8	669.3
-67.5°	856.2	835.3	811.6	786.2	761.9	733.7	704.8	673.6	641.4	604.8	570.1
-70°	714.0	700.8	684.0	662.6	640.4	616.6	592.2	564.8	532.9	498.1	470.6
-72.5°	597.8	589.6	577.1	558.2	536.8	514.3	490.7	464.0	433.3	398.4	372.3
-75°	493.7	488.1	478.6	460.8	441.5	420.7	398.4	371.1	339.8	304.4	278.5
-77.5°	388.2	385.7	380.3	365.8	351.1	336.2	317.5	286.0	254.5	224.1	204.5
-80°	279.2	279.3	276.6	265.8	254.4	242.6	228.3	203.9	180.3	158.4	143.0
-82.5°	176.7	173.6	169.6	163.8	157.8	151.9	145.1	129.7	114.8	100.6	88.9
-85°	78.8	76.6	74.2	74.2	73.8	72.9	71.3	63.9	56.9	50.3	44.5
-87.5°	13.4	13.7	14.0	14.6	15.2	15.7	16.1	15.6	15.1	14.5	14.0
-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: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-U-WR-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°	15.6	16.9	18.0	18.9	19.5	19.8	19.8	19.5	18.7	17.6	16.3
85°	46.5	47.4	47.3	45.9	42.8	39.6	39.6	39.0	37.4	35.3	32.6
82.5°	92.4	95.3	96.8	96.2	90.2	83.9	77.2	70.2	62.6	54.0	49.0
80°	148.4	151.7	152.7	150.2	139.6	128.2	118.4	108.2	98.2	86.9	74.3
77.5°	208.8	211.3	211.9	208.0	194.5	179.9	164.2	147.8	133.8	119.8	104.1
75°	273.9	274.7	274.1	267.0	250.5	231.6	212.6	192.2	171.8	152.7	133.9
72.5°	358.2	346.8	338.1	326.7	308.5	287.3	263.1	235.9	210.0	185.7	163.0
70°	446.5	422.2	403.3	385.9	365.7	343.3	316.5	282.3	247.6	218.1	190.6
67.5°	538.7	508.5	478.1	446.4	421.6	396.3	369.2	328.1	286.5	249.9	217.6
65°	628.4	591.2	556.8	515.5	479.5	448.7	417.9	371.5	324.0	281.3	243.9
62.5°	718.8	668.8	625.8	581.1	537.6	499.4	464.7	411.8	360.0	311.4	269.0
60°	811.7	753.1	694.5	643.0	593.7	547.5	504.3	450.9	394.7	340.1	292.7
57.5°	908.0	837.6	770.6	706.3	649.0	595.7	542.3	487.0	428.3	369.2	314.0
55°	1005.1	925.6	846.9	773.3	705.4	644.7	581.7	521.4	460.4	397.6	331.0
52.5°	1109.3	1016.1	927.4	841.4	763.7	692.4	624.0	555.2	491.1	424.8	349.6
50°	1219.7	1112.1	1010.7	914.6	821.6	742.2	665.1	592.2	521.1	451.1	366.9
47.5°	1335.7	1213.9	1098.4	988.3	887.4	790.4	708.1	628.5	550.2	477.1	382.8
45°	1463.5	1318.6	1188.6	1067.7	950.4	845.1	750.5	663.6	581.7	495.7	397.0
42.5°	1591.9	1431.5	1282.1	1144.5	1019.2	900.4	791.2	700.0	612.1	512.8	410.9
40°	1739.9	1547.0	1376.1	1227.1	1087.0	953.1	838.0	735.2	640.3	529.7	424.5
37.5°	1884.3	1671.3	1478.8	1305.8	1153.8	1012.7	883.3	768.6	662.6	548.1	436.7
35°	2054.4	1799.6	1576.6	1389.2	1222.7	1069.4	925.9	802.7	687.0	565.9	447.7
32.5°	2219.6	1930.2	1686.7	1474.6	1287.7	1123.1	971.1	837.6	711.9	582.7	457.2
30°	2401.1	2072.3	1790.4	1554.5	1352.3	1178.3	1016.6	870.5	737.0	598.7	466.5
27.5°	2575.5	2203.3	1891.4	1639.1	1420.5	1229.9	1058.7	901.3	762.2	615.3	478.1
25°	2748.3	2344.8	2002.6	1719.8	1483.2	1276.9	1097.4	930.1	786.9	633.9	488.5
22.5°	2935.9	2481.7	2102.9	1792.3	1539.9	1319.8	1134.2	961.6	809.6	651.7	497.5
20°	3108.3	2605.3	2192.5	1861.7	1596.2	1366.1	1168.8	989.8	829.9	668.3	505.2
17.5°	3271.0	2730.9	2292.4	1936.7	1649.4	1406.9	1199.2	1014.6	847.9	683.7	511.4
15°	3441.7	2855.8	2382.3	2001.6	1695.5	1442.1	1225.4	1035.9	863.4	697.5	517.3
12.5°	3587.4	2961.4	2457.8	2056.3	1734.2	1471.6	1247.2	1053.6	876.3	709.3	522.6
10°	3707.6	3047.1	2518.8	2100.4	1765.4	1495.2	1264.5	1067.9	887.1	718.4	525.6
7.5°	3801.1	3112.6	2564.9	2133.9	1789.3	1513.7	1278.9	1079.1	895.4	724.8	526.2
5°	3866.5	3158.2	2598.7	2157.3	1807.4	1527.0	1289.2	1086.5	901.1	728.3	524.7
2.5°	3900.8	3184.1	2619.4	2169.8	1817.8	1534.2	1295.0	1090.2	903.8	728.7	521.0
0°	3906.1	3189.0	2625.3	2171.3	1820.4	1535.3	1296.2	1090.0	903.6	726.0	515.4
-2.5°	3900.8	3184.1	2619.4	2169.8	1817.8	1534.2	1295.0	1090.2	903.8	728.7	521.0
-5°	3866.5	3158.2	2598.7	2157.3	1807.4	1527.0	1289.2	1086.5	901.1	728.3	524.7
-7.5°	3801.1	3112.6	2564.9	2133.9	1789.3	1513.7	1278.9	1079.1	895.4	724.8	526.2
-10°	3707.6	3047.1	2518.8	2100.4	1765.4	1495.2	1264.5	1067.9	887.1	718.4	525.6
-12.5°	3587.4	2961.4	2457.8	2056.3	1734.2	1471.6	1247.2	1053.6	876.3	709.3	522.6
-15°	3441.7	2855.8	2382.3	2001.6	1695.5	1442.1	1225.4	1035.9	863.4	697.5	517.3
-17.5°	3271.0	2730.9	2292.4	1936.7	1649.4	1406.9	1199.2	1014.6	847.9	683.7	511.4
-20°	3108.3	2605.3	2192.5	1861.7	1596.2	1366.1	1168.8	989.8	829.9	668.3	505.2

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

Scaled Data Report



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2935.9	2481.7	2102.9	1792.3	1539.9	1319.8	1134.2	961.6	809.6	651.7	497.5
-25°	2748.3	2344.8	2002.6	1719.8	1483.2	1276.9	1097.4	930.1	786.9	633.9	488.5
-27.5°	2575.5	2203.3	1891.4	1639.1	1420.5	1229.9	1058.7	901.3	762.2	615.3	478.1
-30°	2401.1	2072.3	1790.4	1554.5	1352.3	1178.3	1016.6	870.5	737.0	598.7	466.5
-32.5°	2219.6	1930.2	1686.7	1474.6	1287.7	1123.1	971.1	837.6	711.9	582.7	457.2
-35°	2054.4	1799.6	1576.6	1389.2	1222.7	1069.4	925.9	802.7	687.0	565.9	447.7
-37.5°	1884.3	1671.3	1478.8	1305.8	1153.8	1012.7	883.3	768.6	662.6	548.1	436.7
-40°	1739.9	1547.0	1376.1	1227.1	1087.0	953.1	838.0	735.2	640.3	529.7	424.5
-42.5°	1591.9	1431.5	1282.1	1144.5	1019.2	900.4	791.2	700.0	612.1	512.8	410.9
-45°	1463.5	1318.6	1188.6	1067.7	950.4	845.1	750.5	663.6	581.7	495.7	397.0
-47.5°	1335.7	1213.9	1098.4	988.3	887.4	790.4	708.1	628.5	550.2	477.1	382.8
-50°	1219.7	1112.1	1010.7	914.6	821.6	742.2	665.1	592.2	521.1	451.1	366.9
-52.5°	1109.3	1016.1	927.4	841.4	763.7	692.4	624.0	555.2	491.1	424.8	349.6
-55°	1005.1	925.6	846.9	773.3	705.4	644.7	581.7	521.4	460.4	397.6	331.0
-57.5°	908.0	837.6	770.6	706.3	649.0	595.7	542.3	487.0	428.3	369.2	314.0
-60°	811.7	753.1	694.5	643.0	593.7	547.5	504.3	450.9	394.7	340.1	292.7
-62.5°	718.8	668.8	625.8	581.1	537.6	499.4	464.7	411.8	360.0	311.4	269.0
-65°	628.4	591.2	556.8	515.5	479.5	448.7	417.9	371.5	324.0	281.3	243.9
-67.5°	538.7	508.5	478.1	446.4	421.6	396.3	369.2	328.1	286.5	249.9	217.6
-70°	446.5	422.2	403.3	385.9	365.7	343.3	316.5	282.3	247.6	218.1	190.6
-72.5°	358.2	346.8	338.1	326.7	308.5	287.3	263.1	235.9	210.0	185.7	163.0
-75°	273.9	274.7	274.1	267.0	250.5	231.6	212.6	192.2	171.8	152.7	133.9
-77.5°	208.8	211.3	211.9	208.0	194.5	179.9	164.2	147.8	133.8	119.8	104.1
-80°	148.4	151.7	152.7	150.2	139.6	128.2	118.4	108.2	98.2	86.9	74.3
-82.5°	92.4	95.3	96.8	96.2	90.2	83.9	77.2	70.2	62.6	54.0	49.0
-85°	46.5	47.4	47.3	45.9	42.8	39.6	39.6	39.0	37.4	35.3	32.6
-87.5°	15.6	16.9	18.0	18.9	19.5	19.8	19.8	19.5	18.7	17.6	16.3
-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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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-WR-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°	14.7	11.5	8.6	5.9	3.6	1.6	0.0
85°	29.4	23.0	17.1	11.9	7.3	3.2	0.0
82.5°	44.0	34.3	25.6	17.7	10.8	4.7	0.0
80°	59.8	45.6	34.0	23.6	14.4	6.3	0.0
77.5°	85.3	59.3	42.2	29.3	17.9	7.8	0.0
75°	110.2	77.5	51.1	35.0	21.4	9.3	0.0
72.5°	134.2	95.2	63.3	40.5	24.7	10.8	0.0
70°	157.0	112.1	75.1	46.3	28.0	12.3	0.0
67.5°	176.8	128.3	86.4	53.5	31.2	13.7	0.0
65°	195.6	143.2	97.1	60.3	34.3	15.1	0.0
62.5°	213.4	156.9	107.2	66.8	37.3	16.4	0.0
60°	230.0	169.6	116.6	73.0	40.2	17.7	0.0
57.5°	245.1	181.6	125.4	78.7	43.7	19.0	0.0
55°	259.0	192.5	133.6	84.0	47.0	20.2	0.0
52.5°	271.7	202.6	141.0	88.8	50.3	21.3	0.0
50°	283.2	211.8	147.9	93.2	53.3	22.4	0.0
47.5°	294.0	220.1	153.9	97.2	56.3	23.5	0.0
45°	306.0	227.5	159.3	101.1	59.1	24.5	0.0
42.5°	316.7	233.9	163.9	104.6	61.7	25.4	0.0
40°	326.1	239.3	168.1	108.5	64.2	26.2	0.0
37.5°	334.2	243.7	171.8	112.4	66.5	27.0	0.0
35°	340.8	248.7	174.8	116.0	68.6	27.7	0.0
32.5°	347.0	253.4	177.2	119.3	70.5	28.4	0.0
30°	353.8	257.1	178.8	122.2	72.3	29.0	0.0
27.5°	359.4	259.7	182.6	124.8	73.9	29.5	0.0
25°	363.7	261.3	186.3	127.1	75.3	29.9	0.0
22.5°	366.8	263.4	189.5	129.0	76.5	30.3	0.0
20°	368.5	268.1	192.3	130.6	77.6	30.6	0.0
17.5°	372.7	272.1	194.6	131.9	78.4	30.9	0.0
15°	377.6	275.1	196.5	132.8	79.1	31.0	0.0
12.5°	381.2	277.4	197.9	133.4	79.5	31.1	0.0
10°	383.5	278.8	198.8	133.7	79.8	31.2	0.0
7.5°	384.4	279.4	199.2	133.7	79.9	31.1	0.0
5°	384.0	279.1	199.1	133.3	79.8	31.1	0.0
2.5°	382.3	278.1	198.5	132.6	79.5	30.9	0.0
0°	379.4	276.3	197.4	131.6	79.0	30.7	0.0
-2.5°	382.3	278.1	198.5	132.6	79.5	30.9	0.0
-5°	384.0	279.1	199.1	133.3	79.8	31.1	0.0
-7.5°	384.4	279.4	199.2	133.7	79.9	31.1	0.0
-10°	383.5	278.8	198.8	133.7	79.8	31.2	0.0
-12.5°	381.2	277.4	197.9	133.4	79.5	31.1	0.0
-15°	377.6	275.1	196.5	132.8	79.1	31.0	0.0
-17.5°	372.7	272.1	194.6	131.9	78.4	30.9	0.0
-20°	368.5	268.1	192.3	130.6	77.6	30.6	0.0

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REPORT NUMBER: P627513 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	366.8	263.4	189.5	129.0	76.5	30.3	0.0
-25°	363.7	261.3	186.3	127.1	75.3	29.9	0.0
-27.5°	359.4	259.7	182.6	124.8	73.9	29.5	0.0
-30°	353.8	257.1	178.8	122.2	72.3	29.0	0.0
-32.5°	347.0	253.4	177.2	119.3	70.5	28.4	0.0
-35°	340.8	248.7	174.8	116.0	68.6	27.7	0.0
-37.5°	334.2	243.7	171.8	112.4	66.5	27.0	0.0
-40°	326.1	239.3	168.1	108.5	64.2	26.2	0.0
-42.5°	316.7	233.9	163.9	104.6	61.7	25.4	0.0
-45°	306.0	227.5	159.3	101.1	59.1	24.5	0.0
-47.5°	294.0	220.1	153.9	97.2	56.3	23.5	0.0
-50°	283.2	211.8	147.9	93.2	53.3	22.4	0.0
-52.5°	271.7	202.6	141.0	88.8	50.3	21.3	0.0
-55°	259.0	192.5	133.6	84.0	47.0	20.2	0.0
-57.5°	245.1	181.6	125.4	78.7	43.7	19.0	0.0
-60°	230.0	169.6	116.6	73.0	40.2	17.7	0.0
-62.5°	213.4	156.9	107.2	66.8	37.3	16.4	0.0
-65°	195.6	143.2	97.1	60.3	34.3	15.1	0.0
-67.5°	176.8	128.3	86.4	53.5	31.2	13.7	0.0
-70°	157.0	112.1	75.1	46.3	28.0	12.3	0.0
-72.5°	134.2	95.2	63.3	40.5	24.7	10.8	0.0
-75°	110.2	77.5	51.1	35.0	21.4	9.3	0.0
-77.5°	85.3	59.3	42.2	29.3	17.9	7.8	0.0
-80°	59.8	45.6	34.0	23.6	14.4	6.3	0.0
-82.5°	44.0	34.3	25.6	17.7	10.8	4.7	0.0
-85°	29.4	23.0	17.1	11.9	7.3	3.2	0.0
-87.5°	14.7	11.5	8.6	5.9	3.6	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)