

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: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-740-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4E-740-U-VWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N104  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

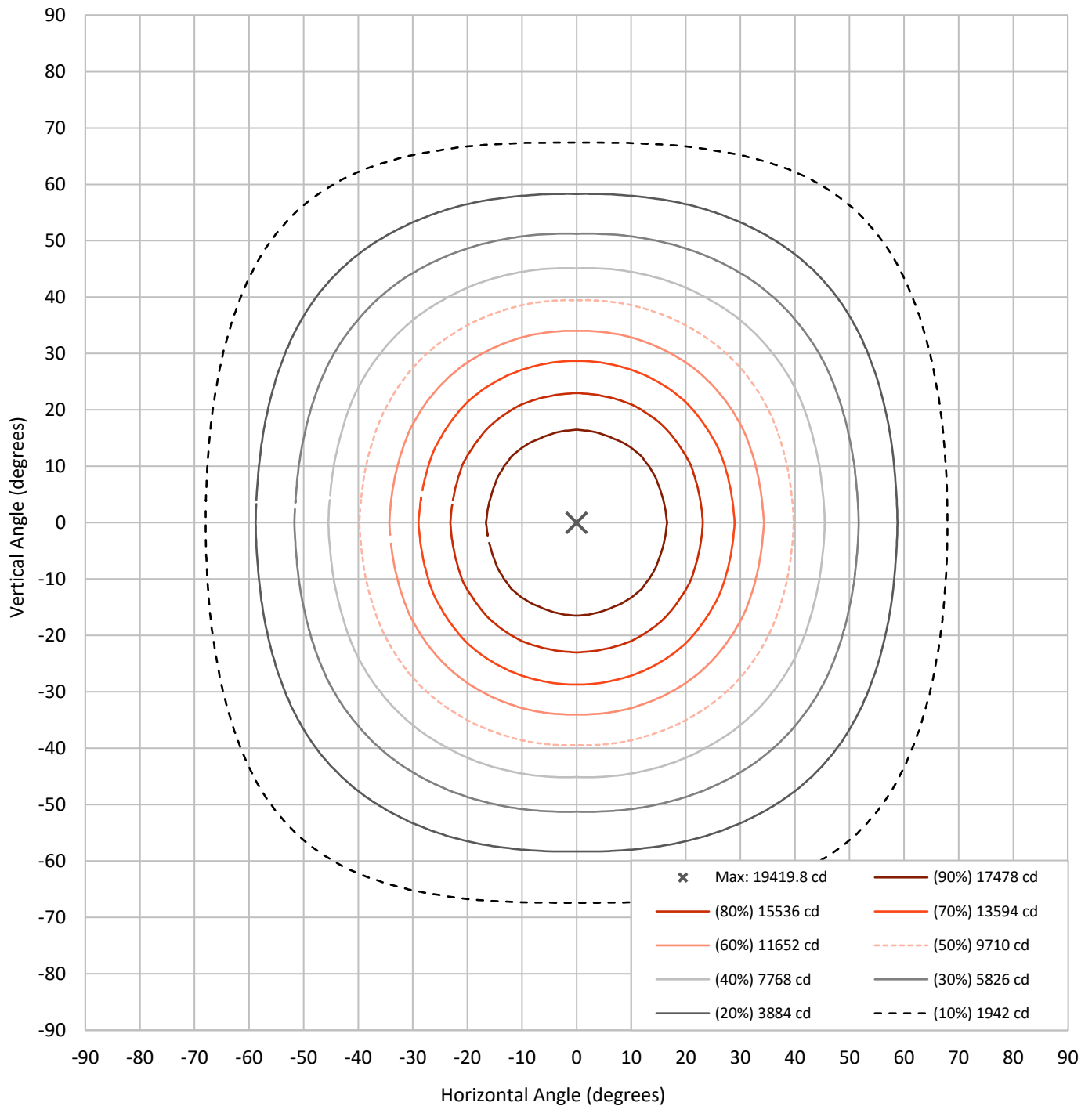
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	35099.6 lumens	Max Intensity:	19419.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	137.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	20586.1 lumens	Field Lumens:	33461.4 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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





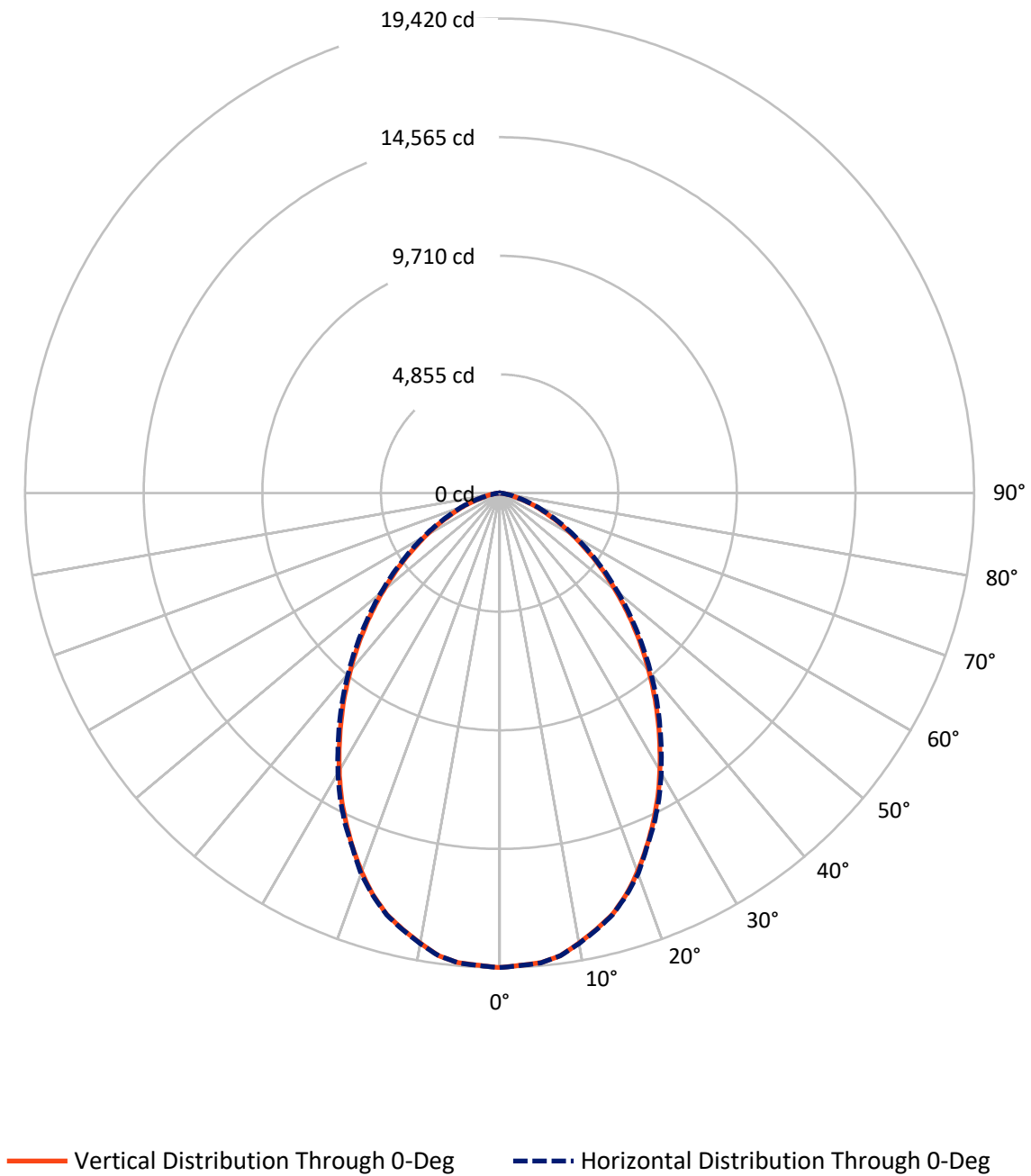
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### Lumen Table

90																			
80	1.2	14.4	39.2	66.5	62.7	66.5	39.2	14.4	1.2										
70																			
60	6.5	9.0	18.2	31.0	45.3	58.5	68.4	73.2	73.2	68.4	58.5	45.3	31.0	18.2	9.0	6.5			
50		13.5	29.5	52.7	79.7	108.4	131.9	144.1	144.1	131.9	108.4	79.7	52.7	29.5	13.5				
40	11.5	18.1	42.7	78.8	124.8	173.1	213.5	235.5	235.5	213.5	173.1	124.8	78.8	42.7	18.1	11.5			
30		22.9	56.5	108.5	174.8	245.0	305.0	339.1	339.1	305.0	245.0	174.8	108.5	56.5	22.9				
20	14.7	27.5	69.6	136.4	222.5	315.9	397.3	444.0	444.0	397.3	315.9	222.5	136.4	69.6	27.5	14.7			
10		31.0	79.6	157.3	259.8	373.3	473.4	530.4	530.4	473.4	373.3	259.8	157.3	79.6	31.0				
0	16.0	32.9	85.2	169.2	280.5	405.1	514.6	574.5	574.5	514.6	405.1	280.5	169.2	85.2	32.9	16.0			
-10		32.9	85.2	169.2	280.5	405.1	514.6	574.5	574.5	514.6	405.1	280.5	169.2	85.2	32.9				
-20	14.7	31.0	79.6	157.3	259.8	373.3	473.4	530.4	530.4	473.4	373.3	259.8	157.3	79.6	31.0	14.7			
-30		27.5	69.6	136.4	222.5	315.9	397.3	444.0	444.0	397.3	315.9	222.5	136.4	69.6	27.5				
-40	11.5	22.9	56.5	108.5	174.8	245.0	305.0	339.1	339.1	305.0	245.0	174.8	108.5	56.5	22.9	11.5			
-50		18.1	42.7	78.8	124.8	173.1	213.5	235.5	235.5	213.5	173.1	124.8	78.8	42.7	18.1				
-60	6.5	13.5	29.5	52.7	79.7	108.4	131.9	144.1	144.1	131.9	108.4	79.7	52.7	29.5	13.5	6.5			
-70		9.0	18.2	31.0	45.3	58.5	68.4	73.2	73.2	68.4	58.5	45.3	31.0	18.2	9.0				
-80	1.2	14.4	39.2	66.5	62.7	66.5	39.2	14.4	1.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

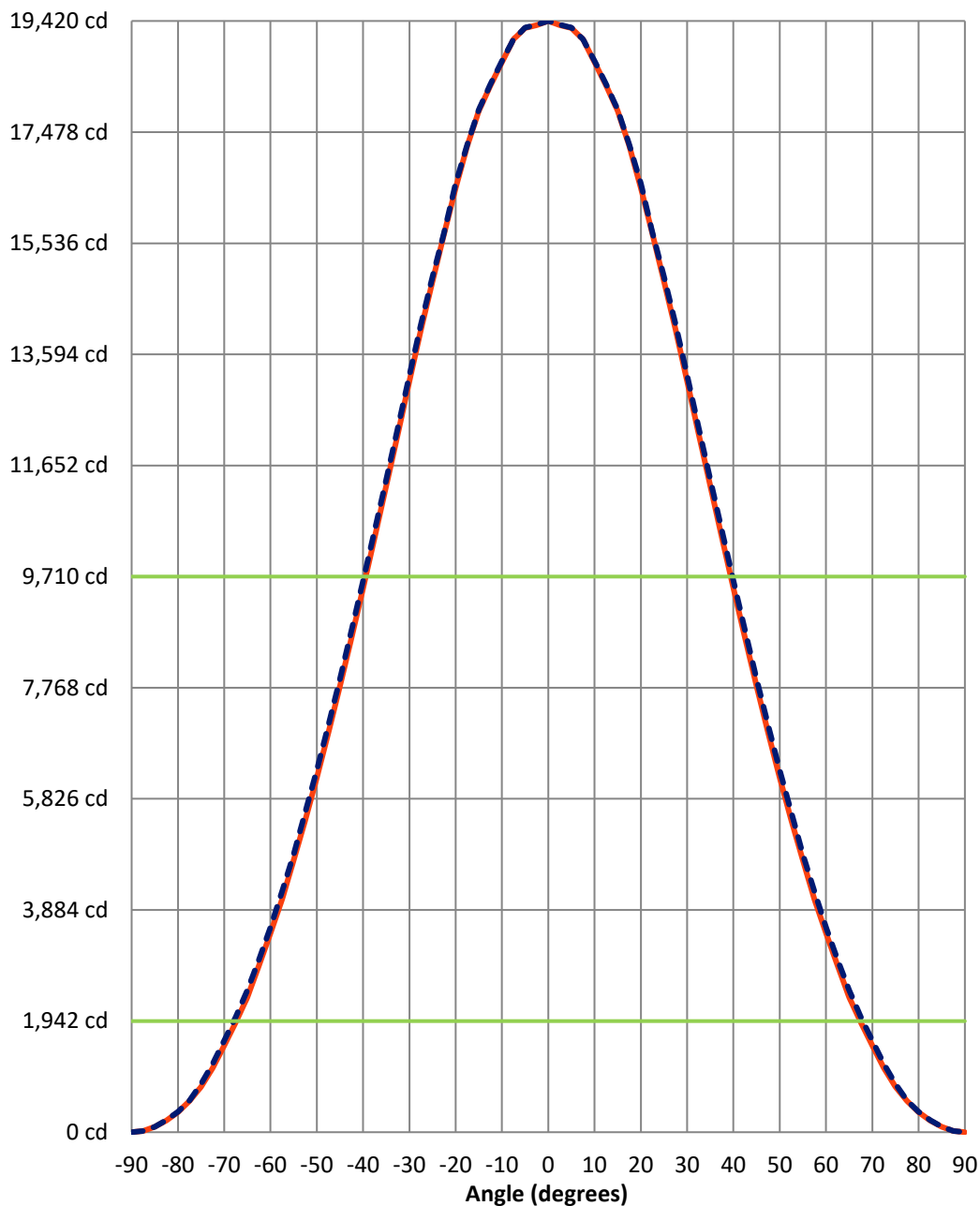
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 20586.1  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 33461.4  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 1638.1  
 Efficiency: 4.7%

— 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	1.1	2.5	3.8	5.1	6.3	7.5	8.7	9.9	11.1	12.3
85°	0.0	2.2	5.1	7.6	10.1	12.6	15.0	17.5	19.9	22.2	24.6
82.5°	0.0	3.3	7.6	11.4	15.1	18.8	22.5	26.2	32.8	51.6	69.6
80°	0.0	4.4	10.1	15.1	20.1	25.1	33.9	60.4	85.8	110.3	133.8
77.5°	0.0	5.5	12.5	18.8	25.1	39.3	73.9	107.2	138.6	168.7	206.0
75°	0.0	6.6	14.9	22.5	32.7	68.0	112.9	153.8	193.0	246.9	304.1
72.5°	0.0	7.6	17.3	26.2	52.1	95.9	150.7	203.8	265.3	330.9	400.4
70°	0.0	8.6	19.6	31.4	70.9	122.8	188.4	263.8	336.2	413.4	503.8
67.5°	0.0	9.6	21.8	43.0	88.9	148.6	233.8	322.3	405.5	503.1	606.6
65°	0.0	10.6	24.0	54.1	106.1	177.4	277.2	379.4	480.4	590.0	702.9
62.5°	0.0	11.6	26.1	64.8	122.5	209.1	318.4	438.9	552.7	673.2	788.9
60°	0.0	12.5	28.1	74.9	137.8	239.0	357.2	498.0	622.3	751.0	873.8
57.5°	0.0	13.4	33.8	84.4	158.3	267.1	398.1	553.0	691.0	827.4	954.3
55°	0.0	14.2	39.3	93.2	177.8	293.2	436.8	600.6	758.5	901.3	1031.6
52.5°	0.0	15.0	44.6	101.4	195.9	318.0	472.7	650.1	824.5	969.2	1106.8
50°	0.0	15.8	49.7	108.8	212.6	344.3	505.5	697.0	887.2	1035.2	1193.1
47.5°	0.0	16.5	54.6	116.6	227.8	368.4	536.3	740.7	943.9	1099.0	1277.6
45°	0.0	17.2	59.2	126.7	241.5	390.1	570.5	781.0	988.0	1171.2	1358.6
42.5°	0.0	17.9	63.6	135.8	253.7	409.4	601.9	818.0	1030.2	1240.4	1453.8
40°	0.0	18.5	67.7	145.2	265.8	426.2	630.3	853.1	1074.1	1305.1	1546.6
37.5°	0.0	19.1	71.5	154.5	277.9	440.6	655.8	886.3	1123.4	1366.6	1633.5
35°	0.0	19.6	75.1	163.1	288.3	457.2	678.2	917.6	1171.5	1437.3	1721.2
32.5°	0.0	20.0	78.4	171.0	297.0	473.9	699.1	946.9	1218.1	1505.3	1814.1
30°	0.0	20.5	81.4	178.3	303.9	488.1	720.7	976.2	1263.1	1570.3	1900.9
27.5°	0.0	20.8	84.1	184.9	314.3	499.8	740.1	1010.3	1309.4	1632.0	1981.4
25°	0.0	21.2	86.5	190.8	324.1	509.2	757.2	1041.9	1357.7	1694.8	2055.9
22.5°	0.0	21.4	88.7	196.0	332.7	518.5	771.8	1070.9	1402.1	1754.2	2135.2
20°	0.0	21.7	90.5	200.5	340.1	531.4	783.9	1097.0	1442.4	1807.3	2206.3
17.5°	0.0	21.8	92.0	204.3	346.3	542.0	799.0	1119.9	1478.4	1853.9	2269.0
15°	0.0	22.0	93.3	207.3	351.3	550.2	814.7	1141.8	1509.6	1893.9	2323.1
12.5°	0.0	22.1	94.2	209.7	355.2	556.1	827.5	1162.3	1537.9	1927.0	2368.4
10°	0.0	22.1	94.9	211.4	357.8	559.7	837.3	1178.2	1562.3	1958.2	2406.6
7.5°	0.0	22.1	95.2	212.3	359.3	561.2	843.9	1189.3	1581.0	1983.3	2439.5
5°	0.0	22.0	95.3	212.6	359.6	560.6	847.3	1195.6	1593.9	2001.4	2463.2
2.5°	0.0	21.9	95.1	212.2	358.7	557.9	847.5	1197.0	1600.8	2012.5	2477.4
0°	0.0	21.8	94.6	211.1	356.7	553.2	844.3	1193.7	1601.3	2016.2	2482.1
-2.5°	0.0	21.9	95.1	212.2	358.7	557.9	847.5	1197.0	1600.8	2012.5	2477.4
-5°	0.0	22.0	95.3	212.6	359.6	560.6	847.3	1195.6	1593.9	2001.4	2463.2
-7.5°	0.0	22.1	95.2	212.3	359.3	561.2	843.9	1189.3	1581.0	1983.3	2439.5
-10°	0.0	22.1	94.9	211.4	357.8	559.7	837.3	1178.2	1562.3	1958.2	2406.6
-12.5°	0.0	22.1	94.2	209.7	355.2	556.1	827.5	1162.3	1537.9	1927.0	2368.4
-15°	0.0	22.0	93.3	207.3	351.3	550.2	814.7	1141.8	1509.6	1893.9	2323.1
-17.5°	0.0	21.8	92.0	204.3	346.3	542.0	799.0	1119.9	1478.4	1853.9	2269.0
-20°	0.0	21.7	90.5	200.5	340.1	531.4	783.9	1097.0	1442.4	1807.3	2206.3

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Scaled Data Report



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	21.4	88.7	196.0	332.7	518.5	771.8	1070.9	1402.1	1754.2	2135.2
-25°	0.0	21.2	86.5	190.8	324.1	509.2	757.2	1041.9	1357.7	1694.8	2055.9
-27.5°	0.0	20.8	84.1	184.9	314.3	499.8	740.1	1010.3	1309.4	1632.0	1981.4
-30°	0.0	20.5	81.4	178.3	303.9	488.1	720.7	976.2	1263.1	1570.3	1900.9
-32.5°	0.0	20.0	78.4	171.0	297.0	473.9	699.1	946.9	1218.1	1505.3	1814.1
-35°	0.0	19.6	75.1	163.1	288.3	457.2	678.2	917.6	1171.5	1437.3	1721.2
-37.5°	0.0	19.1	71.5	154.5	277.9	440.6	655.8	886.3	1123.4	1366.6	1633.5
-40°	0.0	18.5	67.7	145.2	265.8	426.2	630.3	853.1	1074.1	1305.1	1546.6
-42.5°	0.0	17.9	63.6	135.8	253.7	409.4	601.9	818.0	1030.2	1240.4	1453.8
-45°	0.0	17.2	59.2	126.7	241.5	390.1	570.5	781.0	988.0	1171.2	1358.6
-47.5°	0.0	16.5	54.6	116.6	227.8	368.4	536.3	740.7	943.9	1099.0	1277.6
-50°	0.0	15.8	49.7	108.8	212.6	344.3	505.5	697.0	887.2	1035.2	1193.1
-52.5°	0.0	15.0	44.6	101.4	195.9	318.0	472.7	650.1	824.5	969.2	1106.8
-55°	0.0	14.2	39.3	93.2	177.8	293.2	436.8	600.6	758.5	901.3	1031.6
-57.5°	0.0	13.4	33.8	84.4	158.3	267.1	398.1	553.0	691.0	827.4	954.3
-60°	0.0	12.5	28.1	74.9	137.8	239.0	357.2	498.0	622.3	751.0	873.8
-62.5°	0.0	11.6	26.1	64.8	122.5	209.1	318.4	438.9	552.7	673.2	788.9
-65°	0.0	10.6	24.0	54.1	106.1	177.4	277.2	379.4	480.4	590.0	702.9
-67.5°	0.0	9.6	21.8	43.0	88.9	148.6	233.8	322.3	405.5	503.1	606.6
-70°	0.0	8.6	19.6	31.4	70.9	122.8	188.4	263.8	336.2	413.4	503.8
-72.5°	0.0	7.6	17.3	26.2	52.1	95.9	150.7	203.8	265.3	330.9	400.4
-75°	0.0	6.6	14.9	22.5	32.7	68.0	112.9	153.8	193.0	246.9	304.1
-77.5°	0.0	5.5	12.5	18.8	25.1	39.3	73.9	107.2	138.6	168.7	206.0
-80°	0.0	4.4	10.1	15.1	20.1	25.1	33.9	60.4	85.8	110.3	133.8
-82.5°	0.0	3.3	7.6	11.4	15.1	18.8	22.5	26.2	32.8	51.6	69.6
-85°	0.0	2.2	5.1	7.6	10.1	12.6	15.0	17.5	19.9	22.2	24.6
-87.5°	0.0	1.1	2.5	3.8	5.1	6.3	7.5	8.7	9.9	11.1	12.3
-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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**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°	14.3	16.4	18.6	20.9	21.1	21.1	20.9	20.6	21.5	22.3	23.1
85°	28.5	32.6	45.4	57.6	63.5	67.2	68.8	68.5	79.7	92.6	106.6
82.5°	88.6	106.8	124.2	140.8	145.1	145.2	143.7	144.2	170.4	200.4	231.2
80°	157.7	180.9	211.6	238.8	250.6	256.7	259.5	259.1	292.2	336.3	382.7
77.5°	250.2	289.2	323.1	351.9	367.5	381.2	392.4	401.0	443.6	499.4	554.7
75°	355.6	398.3	440.8	477.8	503.7	523.0	540.9	569.7	625.4	690.5	747.1
72.5°	466.7	521.3	568.7	608.9	645.2	683.8	727.0	774.3	833.2	898.2	957.4
70°	585.5	645.5	695.1	743.5	793.0	850.8	915.6	979.4	1045.1	1116.8	1185.8
67.5°	701.6	759.5	817.9	879.0	953.1	1030.5	1107.1	1195.1	1285.1	1364.7	1436.0
65°	802.5	870.4	943.5	1026.4	1118.0	1216.3	1318.5	1424.0	1538.1	1633.8	1721.0
62.5°	898.9	980.5	1069.3	1172.6	1289.4	1405.8	1536.3	1668.3	1796.7	1909.5	2013.6
60°	987.7	1086.6	1198.9	1325.5	1461.8	1616.6	1765.1	1915.3	2056.2	2183.8	2315.5
57.5°	1074.1	1198.5	1333.2	1485.3	1657.7	1831.5	2006.1	2167.7	2327.1	2482.6	2631.6
55°	1165.5	1315.5	1475.8	1662.3	1856.6	2062.3	2250.3	2430.6	2606.3	2795.0	2974.4
52.5°	1266.1	1433.6	1634.3	1843.1	2067.5	2288.2	2494.8	2700.2	2912.5	3126.2	3359.7
50°	1363.2	1572.1	1791.9	2034.7	2277.2	2513.6	2750.5	2987.1	3241.6	3503.5	3768.2
47.5°	1476.7	1704.5	1964.3	2224.7	2489.6	2752.8	3016.7	3302.5	3591.7	3895.5	4188.2
45°	1591.5	1847.6	2127.5	2422.0	2708.5	2999.8	3308.4	3624.4	3963.4	4297.6	4649.8
42.5°	1700.2	1989.9	2298.4	2616.4	2935.1	3260.5	3599.9	3969.1	4339.5	4724.9	5111.9
40°	1820.8	2125.1	2465.2	2815.6	3161.4	3522.1	3910.1	4309.9	4729.0	5152.7	5573.0
37.5°	1936.6	2271.2	2628.7	3005.8	3393.8	3790.3	4211.6	4665.4	5119.9	5576.0	6039.4
35°	2045.2	2409.7	2797.0	3197.3	3608.8	4059.8	4530.7	5015.1	5507.6	6000.8	6499.3
32.5°	2156.8	2540.2	2957.7	3386.1	3839.6	4323.3	4839.1	5364.0	5888.5	6415.1	6960.8
30°	2268.7	2677.2	3113.4	3564.7	4060.7	4587.8	5142.1	5698.1	6253.0	6832.5	7414.1
27.5°	2374.4	2807.2	3266.4	3749.3	4272.7	4832.7	5421.4	6017.0	6615.3	7231.4	7851.7
25°	2471.7	2930.2	3408.4	3927.0	4481.7	5068.3	5681.6	6303.2	6959.3	7618.6	8266.3
22.5°	2566.6	3043.3	3539.9	4090.6	4671.1	5287.1	5925.8	6582.1	7267.7	7975.8	8646.0
20°	2658.0	3150.9	3667.9	4238.9	4840.6	5484.1	6147.7	6834.9	7554.3	8281.2	9002.2
17.5°	2739.1	3246.6	3787.0	4377.5	5002.5	5664.2	6347.6	7057.5	7808.8	8562.3	9326.3
15°	2809.7	3329.9	3890.2	4498.6	5145.6	5827.9	6533.2	7263.3	8033.9	8818.5	9612.8
12.5°	2869.4	3400.4	3977.1	4601.4	5267.0	5968.3	6692.7	7448.4	8239.8	9046.4	9863.7
10°	2917.9	3457.9	4047.4	4685.5	5366.1	6084.4	6824.0	7601.0	8416.1	9240.3	10074.8
7.5°	2959.2	3505.9	4103.1	4750.3	5442.5	6175.2	6926.2	7720.0	8556.6	9391.5	10244.3
5°	2989.3	3544.6	4154.4	4804.6	5509.0	6246.3	7003.7	7804.8	8659.3	9499.2	10367.2
2.5°	3007.4	3569.9	4189.2	4839.9	5561.2	6299.5	7072.5	7879.8	8734.6	9584.6	10459.7
0°	3013.4	3581.2	4207.1	4854.9	5590.1	6325.3	7111.4	7919.3	8770.9	9637.1	10517.8
-2.5°	3007.4	3569.9	4189.2	4839.9	5561.2	6299.5	7072.5	7879.8	8734.6	9584.6	10459.7
-5°	2989.3	3544.6	4154.4	4804.6	5509.0	6246.3	7003.7	7804.8	8659.3	9499.2	10367.2
-7.5°	2959.2	3505.9	4103.1	4750.3	5442.5	6175.2	6926.2	7720.0	8556.6	9391.5	10244.3
-10°	2917.9	3457.9	4047.4	4685.5	5366.1	6084.4	6824.0	7601.0	8416.1	9240.3	10074.8
-12.5°	2869.4	3400.4	3977.1	4601.4	5267.0	5968.3	6692.7	7448.4	8239.8	9046.4	9863.7
-15°	2809.7	3329.9	3890.2	4498.6	5145.6	5827.9	6533.2	7263.3	8033.9	8818.5	9612.8
-17.5°	2739.1	3246.6	3787.0	4377.5	5002.5	5664.2	6347.6	7057.5	7808.8	8562.3	9326.3
-20°	2658.0	3150.9	3667.9	4238.9	4840.6	5484.1	6147.7	6834.9	7554.3	8281.2	9002.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2566.6	3043.3	3539.9	4090.6	4671.1	5287.1	5925.8	6582.1	7267.7	7975.8	8646.0
-25°	2471.7	2930.2	3408.4	3927.0	4481.7	5068.3	5681.6	6303.2	6959.3	7618.6	8266.3
-27.5°	2374.4	2807.2	3266.4	3749.3	4272.7	4832.7	5421.4	6017.0	6615.3	7231.4	7851.7
-30°	2268.7	2677.2	3113.4	3564.7	4060.7	4587.8	5142.1	5698.1	6253.0	6832.5	7414.1
-32.5°	2156.8	2540.2	2957.7	3386.1	3839.6	4323.3	4839.1	5364.0	5888.5	6415.1	6960.8
-35°	2045.2	2409.7	2797.0	3197.3	3608.8	4059.8	4530.7	5015.1	5507.6	6000.8	6499.3
-37.5°	1936.6	2271.2	2628.7	3005.8	3393.8	3790.3	4211.6	4665.4	5119.9	5576.0	6039.4
-40°	1820.8	2125.1	2465.2	2815.6	3161.4	3522.1	3910.1	4309.9	4729.0	5152.7	5573.0
-42.5°	1700.2	1989.9	2298.4	2616.4	2935.1	3260.5	3599.9	3969.1	4339.5	4724.9	5111.9
-45°	1591.5	1847.6	2127.5	2422.0	2708.5	2999.8	3308.4	3624.4	3963.4	4297.6	4649.8
-47.5°	1476.7	1704.5	1964.3	2224.7	2489.6	2752.8	3016.7	3302.5	3591.7	3895.5	4188.2
-50°	1363.2	1572.1	1791.9	2034.7	2277.2	2513.6	2750.5	2987.1	3241.6	3503.5	3768.2
-52.5°	1266.1	1433.6	1634.3	1843.1	2067.5	2288.2	2494.8	2700.2	2912.5	3126.2	3359.7
-55°	1165.5	1315.5	1475.8	1662.3	1856.6	2062.3	2250.3	2430.6	2606.3	2795.0	2974.4
-57.5°	1074.1	1198.5	1333.2	1485.3	1657.7	1831.5	2006.1	2167.7	2327.1	2482.6	2631.6
-60°	987.7	1086.6	1198.9	1325.5	1461.8	1616.6	1765.1	1915.3	2056.2	2183.8	2315.5
-62.5°	898.9	980.5	1069.3	1172.6	1289.4	1405.8	1536.3	1668.3	1796.7	1909.5	2013.6
-65°	802.5	870.4	943.5	1026.4	1118.0	1216.3	1318.5	1424.0	1538.1	1633.8	1721.0
-67.5°	701.6	759.5	817.9	879.0	953.1	1030.5	1107.1	1195.1	1285.1	1364.7	1436.0
-70°	585.5	645.5	695.1	743.5	793.0	850.8	915.6	979.4	1045.1	1116.8	1185.8
-72.5°	466.7	521.3	568.7	608.9	645.2	683.8	727.0	774.3	833.2	898.2	957.4
-75°	355.6	398.3	440.8	477.8	503.7	523.0	540.9	569.7	625.4	690.5	747.1
-77.5°	250.2	289.2	323.1	351.9	367.5	381.2	392.4	401.0	443.6	499.4	554.7
-80°	157.7	180.9	211.6	238.8	250.6	256.7	259.5	259.1	292.2	336.3	382.7
-82.5°	88.6	106.8	124.2	140.8	145.1	145.2	143.7	144.2	170.4	200.4	231.2
-85°	28.5	32.6	45.4	57.6	63.5	67.2	68.8	68.5	79.7	92.6	106.6
-87.5°	14.3	16.4	18.6	20.9	21.1	21.1	20.9	20.6	21.5	22.3	23.1
-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: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-VWR-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°	23.8	24.5	25.2	25.8	26.4	26.9	27.3	27.8	28.1	26.6	25.1
85°	121.6	130.2	138.2	145.9	153.2	160.1	166.6	172.7	178.2	162.8	145.7
82.5°	262.6	283.6	303.7	323.6	343.3	348.4	349.9	349.2	346.4	319.3	289.2
80°	428.6	464.3	497.9	531.3	564.2	567.9	564.2	557.4	547.7	512.1	471.8
77.5°	609.9	654.8	694.1	730.1	762.9	769.1	768.2	766.5	763.9	727.5	683.6
75°	795.6	839.6	881.9	918.0	948.0	961.9	968.6	973.4	976.0	949.9	915.7
72.5°	1011.0	1056.7	1094.1	1129.1	1158.7	1180.1	1195.5	1207.2	1215.1	1207.2	1193.2
70°	1244.7	1293.8	1335.1	1374.6	1414.7	1446.9	1471.2	1488.8	1500.0	1507.4	1512.5
67.5°	1508.0	1573.8	1631.2	1680.2	1728.8	1774.3	1811.7	1842.3	1865.9	1885.9	1901.4
65°	1804.4	1888.6	1963.2	2031.7	2094.5	2160.6	2214.7	2260.2	2296.7	2327.0	2351.3
62.5°	2116.2	2219.3	2315.1	2408.0	2499.1	2588.8	2657.6	2720.3	2776.0	2823.9	2862.1
60°	2440.1	2557.3	2685.9	2808.5	2921.5	3024.7	3127.1	3215.8	3291.7	3354.7	3405.5
57.5°	2788.4	2940.1	3090.3	3242.7	3386.7	3521.5	3647.6	3758.9	3852.9	3930.0	3994.8
55°	3164.5	3354.4	3528.6	3720.8	3906.5	4075.7	4224.5	4355.4	4468.5	4563.3	4643.8
52.5°	3578.1	3808.7	4035.1	4253.8	4464.7	4660.8	4839.1	4991.5	5127.0	5243.2	5335.9
50°	4030.6	4294.5	4556.9	4800.1	5042.4	5268.5	5472.8	5649.7	5807.4	5943.9	6051.3
47.5°	4503.9	4804.3	5097.3	5375.8	5643.9	5895.2	6116.4	6317.9	6514.6	6674.9	6801.7
45°	4995.4	5332.3	5655.5	5974.0	6269.3	6550.8	6823.8	7074.7	7276.5	7453.2	7601.6
42.5°	5492.8	5868.6	6230.6	6578.0	6902.7	7228.3	7535.3	7809.7	8039.8	8240.7	8409.4
40°	5996.7	6408.1	6807.0	7185.7	7556.9	7911.9	8244.0	8533.4	8792.9	9031.5	9230.3
37.5°	6498.0	6950.7	7392.6	7816.8	8225.5	8610.2	8969.0	9296.0	9588.9	9860.6	10081.3
35°	7001.6	7498.3	7981.9	8448.9	8895.3	9319.8	9712.6	10084.7	10429.8	10705.1	10930.8
32.5°	7503.3	8037.2	8563.6	9077.6	9566.2	10023.9	10449.5	10860.6	11215.7	11518.2	11777.8
30°	7988.7	8567.1	9140.3	9697.6	10225.5	10721.4	11192.7	11627.4	12009.2	12340.1	12631.2
27.5°	8465.0	9086.4	9701.4	10296.9	10867.6	11406.4	11920.8	12392.1	12808.8	13168.4	13475.5
25°	8915.2	9583.1	10238.7	10870.0	11479.6	12074.0	12629.3	13143.7	13588.8	13983.6	14299.1
22.5°	9345.3	10057.6	10746.4	11410.6	12062.6	12703.3	13311.3	13848.4	14320.1	14732.9	15082.0
20°	9746.0	10509.3	11214.1	11916.4	12603.3	13287.3	13940.1	14506.9	15006.0	15445.4	15830.3
17.5°	10120.6	10903.5	11645.6	12393.4	13117.2	13834.9	14498.1	15105.6	15644.1	16110.7	16513.7
15°	10437.7	11228.4	12038.8	12837.1	13600.5	14327.3	14989.9	15624.3	16222.2	16726.8	17135.5
12.5°	10694.5	11516.7	12362.2	13209.7	14017.1	14742.8	15436.5	16080.1	16708.1	17274.9	17650.6
10°	10913.3	11760.0	12632.8	13497.1	14315.3	15083.2	15837.3	16517.8	17134.9	17642.5	18062.1
7.5°	11102.5	11974.7	12861.1	13726.9	14542.2	15335.7	16112.1	16834.8	17457.8	17936.0	18310.2
5°	11242.0	12134.9	13038.5	13912.2	14739.0	15535.0	16314.9	17028.6	17636.7	18123.3	18531.4
2.5°	11341.9	12243.1	13153.2	14028.2	14873.2	15671.3	16470.6	17192.4	17781.3	18227.1	18617.8
0°	11405.8	12308.4	13225.5	14120.8	14950.6	15722.2	16581.1	17258.0	17869.4	18313.4	18721.0
-2.5°	11341.9	12243.1	13153.2	14028.2	14873.2	15671.3	16470.6	17192.4	17781.3	18227.1	18617.8
-5°	11242.0	12134.9	13038.5	13912.2	14739.0	15535.0	16314.9	17028.6	17636.7	18123.3	18531.4
-7.5°	11102.5	11974.7	12861.1	13726.9	14542.2	15335.7	16112.1	16834.8	17457.8	17936.0	18310.2
-10°	10913.3	11760.0	12632.8	13497.1	14315.3	15083.2	15837.3	16517.8	17134.9	17642.5	18062.1
-12.5°	10694.5	11516.7	12362.2	13209.7	14017.1	14742.8	15436.5	16080.1	16708.1	17274.9	17650.6
-15°	10437.7	11228.4	12038.8	12837.1	13600.5	14327.3	14989.9	15624.3	16222.2	16726.8	17135.5
-17.5°	10120.6	10903.5	11645.6	12393.4	13117.2	13834.9	14498.1	15105.6	15644.1	16110.7	16513.7
-20°	9746.0	10509.3	11214.1	11916.4	12603.3	13287.3	13940.1	14506.9	15006.0	15445.4	15830.3



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9345.3	10057.6	10746.4	11410.6	12062.6	12703.3	13311.3	13848.4	14320.1	14732.9	15082.0
-25°	8915.2	9583.1	10238.7	10870.0	11479.6	12074.0	12629.3	13143.7	13588.8	13983.6	14299.1
-27.5°	8465.0	9086.4	9701.4	10296.9	10867.6	11406.4	11920.8	12392.1	12808.8	13168.4	13475.5
-30°	7988.7	8567.1	9140.3	9697.6	10225.5	10721.4	11192.7	11627.4	12009.2	12340.1	12631.2
-32.5°	7503.3	8037.2	8563.6	9077.6	9566.2	10023.9	10449.5	10860.6	11215.7	11518.2	11777.8
-35°	7001.6	7498.3	7981.9	8448.9	8895.3	9319.8	9712.6	10084.7	10429.8	10705.1	10930.8
-37.5°	6498.0	6950.7	7392.6	7816.8	8225.5	8610.2	8969.0	9296.0	9588.9	9860.6	10081.3
-40°	5996.7	6408.1	6807.0	7185.7	7556.9	7911.9	8244.0	8533.4	8792.9	9031.5	9230.3
-42.5°	5492.8	5868.6	6230.6	6578.0	6902.7	7228.3	7535.3	7809.7	8039.8	8240.7	8409.4
-45°	4995.4	5332.3	5655.5	5974.0	6269.3	6550.8	6823.8	7074.7	7276.5	7453.2	7601.6
-47.5°	4503.9	4804.3	5097.3	5375.8	5643.9	5895.2	6116.4	6317.9	6514.6	6674.9	6801.7
-50°	4030.6	4294.5	4556.9	4800.1	5042.4	5268.5	5472.8	5649.7	5807.4	5943.9	6051.3
-52.5°	3578.1	3808.7	4035.1	4253.8	4464.7	4660.8	4839.1	4991.5	5127.0	5243.2	5335.9
-55°	3164.5	3354.4	3528.6	3720.8	3906.5	4075.7	4224.5	4355.4	4468.5	4563.3	4643.8
-57.5°	2788.4	2940.1	3090.3	3242.7	3386.7	3521.5	3647.6	3758.9	3852.9	3930.0	3994.8
-60°	2440.1	2557.3	2685.9	2808.5	2921.5	3024.7	3127.1	3215.8	3291.7	3354.7	3405.5
-62.5°	2116.2	2219.3	2315.1	2408.0	2499.1	2588.8	2657.6	2720.3	2776.0	2823.9	2862.1
-65°	1804.4	1888.6	1963.2	2031.7	2094.5	2160.6	2214.7	2260.2	2296.7	2327.0	2351.3
-67.5°	1508.0	1573.8	1631.2	1680.2	1728.8	1774.3	1811.7	1842.3	1865.9	1885.9	1901.4
-70°	1244.7	1293.8	1335.1	1374.6	1414.7	1446.9	1471.2	1488.8	1500.0	1507.4	1512.5
-72.5°	1011.0	1056.7	1094.1	1129.1	1158.7	1180.1	1195.5	1207.2	1215.1	1207.2	1193.2
-75°	795.6	839.6	881.9	918.0	948.0	961.9	968.6	973.4	976.0	949.9	915.7
-77.5°	609.9	654.8	694.1	730.1	762.9	769.1	768.2	766.5	763.9	727.5	683.6
-80°	428.6	464.3	497.9	531.3	564.2	567.9	564.2	557.4	547.7	512.1	471.8
-82.5°	262.6	283.6	303.7	323.6	343.3	348.4	349.9	349.2	346.4	319.3	289.2
-85°	121.6	130.2	138.2	145.9	153.2	160.1	166.6	172.7	178.2	162.8	145.7
-87.5°	23.8	24.5	25.2	25.8	26.4	26.9	27.3	27.8	28.1	26.6	25.1
-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: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-VWR-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°	23.4	21.7	21.8	21.8	21.8	21.7	23.4	25.1	26.6	28.1	27.8
85°	127.6	108.7	101.8	94.6	101.8	108.7	127.6	145.7	162.8	178.2	172.7
82.5°	257.7	224.9	214.5	203.8	214.5	224.9	257.7	289.2	319.3	346.4	349.2
80°	429.3	384.8	367.3	349.4	367.3	384.8	429.3	471.8	512.1	547.7	557.4
77.5°	637.1	588.2	567.3	545.9	567.3	588.2	637.1	683.6	727.5	763.9	766.5
75°	879.7	841.4	818.3	793.4	818.3	841.4	879.7	915.7	949.9	976.0	973.4
72.5°	1177.2	1158.5	1141.6	1120.9	1141.6	1158.5	1177.2	1193.2	1207.2	1215.1	1207.2
70°	1514.3	1511.9	1514.9	1514.0	1514.9	1511.9	1514.3	1512.5	1507.4	1500.0	1488.8
67.5°	1909.3	1909.8	1918.0	1921.6	1918.0	1909.8	1909.3	1901.4	1885.9	1865.9	1842.3
65°	2366.2	2371.8	2369.7	2358.3	2369.7	2371.8	2366.2	2351.3	2327.0	2296.7	2260.2
62.5°	2889.2	2904.9	2913.5	2911.5	2913.5	2904.9	2889.2	2862.1	2823.9	2776.0	2720.3
60°	3443.5	3468.1	3480.5	3479.3	3480.5	3468.1	3443.5	3405.5	3354.7	3291.7	3215.8
57.5°	4043.1	4074.6	4082.0	4068.8	4082.0	4074.6	4043.1	3994.8	3930.0	3852.9	3758.9
55°	4704.5	4744.9	4760.4	4753.0	4760.4	4744.9	4704.5	4643.8	4563.3	4468.5	4355.4
52.5°	5403.8	5447.5	5463.0	5451.8	5463.0	5447.5	5403.8	5335.9	5243.2	5127.0	4991.5
50°	6130.2	6183.0	6204.4	6194.2	6204.4	6183.0	6130.2	6051.3	5943.9	5807.4	5649.7
47.5°	6901.1	6971.6	6999.0	6980.3	6999.0	6971.6	6901.1	6801.7	6674.9	6514.6	6317.9
45°	7712.5	7785.5	7813.8	7795.6	7813.8	7785.5	7712.5	7601.6	7453.2	7276.5	7074.7
42.5°	8538.3	8633.2	8673.3	8639.9	8673.3	8633.2	8538.3	8409.4	8240.7	8039.8	7809.7
40°	9378.7	9481.6	9529.1	9506.1	9529.1	9481.6	9378.7	9230.3	9031.5	8792.9	8533.4
37.5°	10240.6	10343.1	10393.4	10394.1	10393.4	10343.1	10240.6	10081.3	9860.6	9588.9	9296.0
35°	11105.8	11229.9	11300.1	11296.7	11300.1	11229.9	11105.8	10930.8	10705.1	10429.8	10084.7
32.5°	11983.0	12117.4	12189.1	12199.2	12189.1	12117.4	11983.0	11777.8	11518.2	11215.7	10860.6
30°	12858.8	13006.5	13089.5	13123.6	13089.5	13006.5	12858.8	12631.2	12340.1	12009.2	11627.4
27.5°	13708.1	13889.9	14015.3	14026.2	14015.3	13889.9	13708.1	13475.5	13168.4	12808.8	12392.1
25°	14530.7	14715.7	14844.4	14870.5	14844.4	14715.7	14530.7	14299.1	13983.6	13588.8	13143.7
22.5°	15341.4	15534.8	15653.5	15700.3	15653.5	15534.8	15341.4	15082.0	14732.9	14320.1	13848.4
20°	16115.3	16324.9	16450.8	16501.0	16450.8	16324.9	16115.3	15830.3	15445.4	15006.0	14506.9
17.5°	16815.4	17037.0	17192.4	17236.1	17192.4	17037.0	16815.4	16513.7	16110.7	15644.1	15105.6
15°	17431.6	17641.7	17789.3	17847.6	17789.3	17641.7	17431.6	17135.5	16726.8	16222.2	15624.3
12.5°	17933.1	18121.0	18236.6	18291.6	18236.6	18121.0	17933.1	17650.6	17274.9	16708.1	16080.1
10°	18324.9	18513.5	18623.9	18699.2	18623.9	18513.5	18324.9	18062.1	17642.5	17134.9	16517.8
7.5°	18665.0	18858.2	18993.3	19099.5	18993.3	18858.2	18665.0	18310.2	17936.0	17457.8	16834.8
5°	18852.8	19175.3	19223.8	19296.0	19223.8	19175.3	18852.8	18531.4	18123.3	17636.7	17028.6
2.5°	18995.9	19224.6	19362.1	19347.0	19362.1	19224.6	18995.9	18617.8	18227.1	17781.3	17192.4
0°	19099.5	19303.3	19354.3	19419.8	19354.3	19303.3	19099.5	18721.0	18313.4	17869.4	17258.0
-2.5°	18995.9	19224.6	19362.1	19347.0	19362.1	19224.6	18995.9	18617.8	18227.1	17781.3	17192.4
-5°	18852.8	19175.3	19223.8	19296.0	19223.8	19175.3	18852.8	18531.4	18123.3	17636.7	17028.6
-7.5°	18665.0	18858.2	18993.3	19099.5	18993.3	18858.2	18665.0	18310.2	17936.0	17457.8	16834.8
-10°	18324.9	18513.5	18623.9	18699.2	18623.9	18513.5	18324.9	18062.1	17642.5	17134.9	16517.8
-12.5°	17933.1	18121.0	18236.6	18291.6	18236.6	18121.0	17933.1	17650.6	17274.9	16708.1	16080.1
-15°	17431.6	17641.7	17789.3	17847.6	17789.3	17641.7	17431.6	17135.5	16726.8	16222.2	15624.3
-17.5°	16815.4	17037.0	17192.4	17236.1	17192.4	17037.0	16815.4	16513.7	16110.7	15644.1	15105.6
-20°	16115.3	16324.9	16450.8	16501.0	16450.8	16324.9	16115.3	15830.3	15445.4	15006.0	14506.9



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15341.4	15534.8	15653.5	15700.3	15653.5	15534.8	15341.4	15082.0	14732.9	14320.1	13848.4
-25°	14530.7	14715.7	14844.4	14870.5	14844.4	14715.7	14530.7	14299.1	13983.6	13588.8	13143.7
-27.5°	13708.1	13889.9	14015.3	14026.2	14015.3	13889.9	13708.1	13475.5	13168.4	12808.8	12392.1
-30°	12858.8	13006.5	13089.5	13123.6	13089.5	13006.5	12858.8	12631.2	12340.1	12009.2	11627.4
-32.5°	11983.0	12117.4	12189.1	12199.2	12189.1	12117.4	11983.0	11777.8	11518.2	11215.7	10860.6
-35°	11105.8	11229.9	11300.1	11296.7	11300.1	11229.9	11105.8	10930.8	10705.1	10429.8	10084.7
-37.5°	10240.6	10343.1	10393.4	10394.1	10393.4	10343.1	10240.6	10081.3	9860.6	9588.9	9296.0
-40°	9378.7	9481.6	9529.1	9506.1	9529.1	9481.6	9378.7	9230.3	9031.5	8792.9	8533.4
-42.5°	8538.3	8633.2	8673.3	8639.9	8673.3	8633.2	8538.3	8409.4	8240.7	8039.8	7809.7
-45°	7712.5	7785.5	7813.8	7795.6	7813.8	7785.5	7712.5	7601.6	7453.2	7276.5	7074.7
-47.5°	6901.1	6971.6	6999.0	6980.3	6999.0	6971.6	6901.1	6801.7	6674.9	6514.6	6317.9
-50°	6130.2	6183.0	6204.4	6194.2	6204.4	6183.0	6130.2	6051.3	5943.9	5807.4	5649.7
-52.5°	5403.8	5447.5	5463.0	5451.8	5463.0	5447.5	5403.8	5335.9	5243.2	5127.0	4991.5
-55°	4704.5	4744.9	4760.4	4753.0	4760.4	4744.9	4704.5	4643.8	4563.3	4468.5	4355.4
-57.5°	4043.1	4074.6	4082.0	4068.8	4082.0	4074.6	4043.1	3994.8	3930.0	3852.9	3758.9
-60°	3443.5	3468.1	3480.5	3479.3	3480.5	3468.1	3443.5	3405.5	3354.7	3291.7	3215.8
-62.5°	2889.2	2904.9	2913.5	2911.5	2913.5	2904.9	2889.2	2862.1	2823.9	2776.0	2720.3
-65°	2366.2	2371.8	2369.7	2358.3	2369.7	2371.8	2366.2	2351.3	2327.0	2296.7	2260.2
-67.5°	1909.3	1909.8	1918.0	1921.6	1918.0	1909.8	1909.3	1901.4	1885.9	1865.9	1842.3
-70°	1514.3	1511.9	1514.9	1514.0	1514.9	1511.9	1514.3	1512.5	1507.4	1500.0	1488.8
-72.5°	1177.2	1158.5	1141.6	1120.9	1141.6	1158.5	1177.2	1193.2	1207.2	1215.1	1207.2
-75°	879.7	841.4	818.3	793.4	818.3	841.4	879.7	915.7	949.9	976.0	973.4
-77.5°	637.1	588.2	567.3	545.9	567.3	588.2	637.1	683.6	727.5	763.9	766.5
-80°	429.3	384.8	367.3	349.4	367.3	384.8	429.3	471.8	512.1	547.7	557.4
-82.5°	257.7	224.9	214.5	203.8	214.5	224.9	257.7	289.2	319.3	346.4	349.2
-85°	127.6	108.7	101.8	94.6	101.8	108.7	127.6	145.7	162.8	178.2	172.7
-87.5°	23.4	21.7	21.8	21.8	21.8	21.7	23.4	25.1	26.6	28.1	27.8
-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: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-VWR-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°	27.3	26.9	26.4	25.8	25.2	24.5	23.8	23.1	22.3	21.5	20.6
85°	166.6	160.1	153.2	145.9	138.2	130.2	121.6	106.6	92.6	79.7	68.5
82.5°	349.9	348.4	343.3	323.6	303.7	283.6	262.6	231.2	200.4	170.4	144.2
80°	564.2	567.9	564.2	531.3	497.9	464.3	428.6	382.7	336.3	292.2	259.1
77.5°	768.2	769.1	762.9	730.1	694.1	654.8	609.9	554.7	499.4	443.6	401.0
75°	968.6	961.9	948.0	918.0	881.9	839.6	795.6	747.1	690.5	625.4	569.7
72.5°	1195.5	1180.1	1158.7	1129.1	1094.1	1056.7	1011.0	957.4	898.2	833.2	774.3
70°	1471.2	1446.9	1414.7	1374.6	1335.1	1293.8	1244.7	1185.8	1116.8	1045.1	979.4
67.5°	1811.7	1774.3	1728.8	1680.2	1631.2	1573.8	1508.0	1436.0	1364.7	1285.1	1195.1
65°	2214.7	2160.6	2094.5	2031.7	1963.2	1888.6	1804.4	1721.0	1633.8	1538.1	1424.0
62.5°	2657.6	2588.8	2499.1	2408.0	2315.1	2219.3	2116.2	2013.6	1909.5	1796.7	1668.3
60°	3127.1	3024.7	2921.5	2808.5	2685.9	2557.3	2440.1	2315.5	2183.8	2056.2	1915.3
57.5°	3647.6	3521.5	3386.7	3242.7	3090.3	2940.1	2788.4	2631.6	2482.6	2327.1	2167.7
55°	4224.5	4075.7	3906.5	3720.8	3528.6	3354.4	3164.5	2974.4	2795.0	2606.3	2430.6
52.5°	4839.1	4660.8	4464.7	4253.8	4035.1	3808.7	3578.1	3359.7	3126.2	2912.5	2700.2
50°	5472.8	5268.5	5042.4	4800.1	4556.9	4294.5	4030.6	3768.2	3503.5	3241.6	2987.1
47.5°	6116.4	5895.2	5643.9	5375.8	5097.3	4804.3	4503.9	4188.2	3895.5	3591.7	3302.5
45°	6823.8	6550.8	6269.3	5974.0	5655.5	5332.3	4995.4	4649.8	4297.6	3963.4	3624.4
42.5°	7535.3	7228.3	6902.7	6578.0	6230.6	5868.6	5492.8	5111.9	4724.9	4339.5	3969.1
40°	8244.0	7911.9	7556.9	7185.7	6807.0	6408.1	5996.7	5573.0	5152.7	4729.0	4309.9
37.5°	8969.0	8610.2	8225.5	7816.8	7392.6	6950.7	6498.0	6039.4	5576.0	5119.9	4665.4
35°	9712.6	9319.8	8895.3	8448.9	7981.9	7498.3	7001.6	6499.3	6000.8	5507.6	5015.1
32.5°	10449.5	10023.9	9566.2	9077.6	8563.6	8037.2	7503.3	6960.8	6415.1	5888.5	5364.0
30°	11192.7	10721.4	10225.5	9697.6	9140.3	8567.1	7988.7	7414.1	6832.5	6253.0	5698.1
27.5°	11920.8	11406.4	10867.6	10296.9	9701.4	9086.4	8465.0	7851.7	7231.4	6615.3	6017.0
25°	12629.3	12074.0	11479.6	10870.0	10238.7	9583.1	8915.2	8266.3	7618.6	6959.3	6303.2
22.5°	13311.3	12703.3	12062.6	11410.6	10746.4	10057.6	9345.3	8646.0	7975.8	7267.7	6582.1
20°	13940.1	13287.3	12603.3	11916.4	11214.1	10509.3	9746.0	9002.2	8281.2	7554.3	6834.9
17.5°	14498.1	13834.9	13117.2	12393.4	11645.6	10903.5	10120.6	9326.3	8562.3	7808.8	7057.5
15°	14989.9	14327.3	13600.5	12837.1	12038.8	11228.4	10437.7	9612.8	8818.5	8033.9	7263.3
12.5°	15436.5	14742.8	14017.1	13209.7	12362.2	11516.7	10694.5	9863.7	9046.4	8239.8	7448.4
10°	15837.3	15083.2	14315.3	13497.1	12632.8	11760.0	10913.3	10074.8	9240.3	8416.1	7601.0
7.5°	16112.1	15335.7	14542.2	13726.9	12861.1	11974.7	11102.5	10244.3	9391.5	8556.6	7720.0
5°	16314.9	15535.0	14739.0	13912.2	13038.5	12134.9	11242.0	10367.2	9499.2	8659.3	7804.8
2.5°	16470.6	15671.3	14873.2	14028.2	13153.2	12243.1	11341.9	10459.7	9584.6	8734.6	7879.8
0°	16581.1	15722.2	14950.6	14120.8	13225.5	12308.4	11405.8	10517.8	9637.1	8770.9	7919.3
-2.5°	16470.6	15671.3	14873.2	14028.2	13153.2	12243.1	11341.9	10459.7	9584.6	8734.6	7879.8
-5°	16314.9	15535.0	14739.0	13912.2	13038.5	12134.9	11242.0	10367.2	9499.2	8659.3	7804.8
-7.5°	16112.1	15335.7	14542.2	13726.9	12861.1	11974.7	11102.5	10244.3	9391.5	8556.6	7720.0
-10°	15837.3	15083.2	14315.3	13497.1	12632.8	11760.0	10913.3	10074.8	9240.3	8416.1	7601.0
-12.5°	15436.5	14742.8	14017.1	13209.7	12362.2	11516.7	10694.5	9863.7	9046.4	8239.8	7448.4
-15°	14989.9	14327.3	13600.5	12837.1	12038.8	11228.4	10437.7	9612.8	8818.5	8033.9	7263.3
-17.5°	14498.1	13834.9	13117.2	12393.4	11645.6	10903.5	10120.6	9326.3	8562.3	7808.8	7057.5
-20°	13940.1	13287.3	12603.3	11916.4	11214.1	10509.3	9746.0	9002.2	8281.2	7554.3	6834.9



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13311.3	12703.3	12062.6	11410.6	10746.4	10057.6	9345.3	8646.0	7975.8	7267.7	6582.1
-25°	12629.3	12074.0	11479.6	10870.0	10238.7	9583.1	8915.2	8266.3	7618.6	6959.3	6303.2
-27.5°	11920.8	11406.4	10867.6	10296.9	9701.4	9086.4	8465.0	7851.7	7231.4	6615.3	6017.0
-30°	11192.7	10721.4	10225.5	9697.6	9140.3	8567.1	7988.7	7414.1	6832.5	6253.0	5698.1
-32.5°	10449.5	10023.9	9566.2	9077.6	8563.6	8037.2	7503.3	6960.8	6415.1	5888.5	5364.0
-35°	9712.6	9319.8	8895.3	8448.9	7981.9	7498.3	7001.6	6499.3	6000.8	5507.6	5015.1
-37.5°	8969.0	8610.2	8225.5	7816.8	7392.6	6950.7	6498.0	6039.4	5576.0	5119.9	4665.4
-40°	8244.0	7911.9	7556.9	7185.7	6807.0	6408.1	5996.7	5573.0	5152.7	4729.0	4309.9
-42.5°	7535.3	7228.3	6902.7	6578.0	6230.6	5868.6	5492.8	5111.9	4724.9	4339.5	3969.1
-45°	6823.8	6550.8	6269.3	5974.0	5655.5	5332.3	4995.4	4649.8	4297.6	3963.4	3624.4
-47.5°	6116.4	5895.2	5643.9	5375.8	5097.3	4804.3	4503.9	4188.2	3895.5	3591.7	3302.5
-50°	5472.8	5268.5	5042.4	4800.1	4556.9	4294.5	4030.6	3768.2	3503.5	3241.6	2987.1
-52.5°	4839.1	4660.8	4464.7	4253.8	4035.1	3808.7	3578.1	3359.7	3126.2	2912.5	2700.2
-55°	4224.5	4075.7	3906.5	3720.8	3528.6	3354.4	3164.5	2974.4	2795.0	2606.3	2430.6
-57.5°	3647.6	3521.5	3386.7	3242.7	3090.3	2940.1	2788.4	2631.6	2482.6	2327.1	2167.7
-60°	3127.1	3024.7	2921.5	2808.5	2685.9	2557.3	2440.1	2315.5	2183.8	2056.2	1915.3
-62.5°	2657.6	2588.8	2499.1	2408.0	2315.1	2219.3	2116.2	2013.6	1909.5	1796.7	1668.3
-65°	2214.7	2160.6	2094.5	2031.7	1963.2	1888.6	1804.4	1721.0	1633.8	1538.1	1424.0
-67.5°	1811.7	1774.3	1728.8	1680.2	1631.2	1573.8	1508.0	1436.0	1364.7	1285.1	1195.1
-70°	1471.2	1446.9	1414.7	1374.6	1335.1	1293.8	1244.7	1185.8	1116.8	1045.1	979.4
-72.5°	1195.5	1180.1	1158.7	1129.1	1094.1	1056.7	1011.0	957.4	898.2	833.2	774.3
-75°	968.6	961.9	948.0	918.0	881.9	839.6	795.6	747.1	690.5	625.4	569.7
-77.5°	768.2	769.1	762.9	730.1	694.1	654.8	609.9	554.7	499.4	443.6	401.0
-80°	564.2	567.9	564.2	531.3	497.9	464.3	428.6	382.7	336.3	292.2	259.1
-82.5°	349.9	348.4	343.3	323.6	303.7	283.6	262.6	231.2	200.4	170.4	144.2
-85°	166.6	160.1	153.2	145.9	138.2	130.2	121.6	106.6	92.6	79.7	68.5
-87.5°	27.3	26.9	26.4	25.8	25.2	24.5	23.8	23.1	22.3	21.5	20.6
-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: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-VWR-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°	20.9	21.1	21.1	20.9	18.6	16.4	14.3	12.3	11.1	9.9	8.7
85°	68.8	67.2	63.5	57.6	45.4	32.6	28.5	24.6	22.2	19.9	17.5
82.5°	143.7	145.2	145.1	140.8	124.2	106.8	88.6	69.6	51.6	32.8	26.2
80°	259.5	256.7	250.6	238.8	211.6	180.9	157.7	133.8	110.3	85.8	60.4
77.5°	392.4	381.2	367.5	351.9	323.1	289.2	250.2	206.0	168.7	138.6	107.2
75°	540.9	523.0	503.7	477.8	440.8	398.3	355.6	304.1	246.9	193.0	153.8
72.5°	727.0	683.8	645.2	608.9	568.7	521.3	466.7	400.4	330.9	265.3	203.8
70°	915.6	850.8	793.0	743.5	695.1	645.5	585.5	503.8	413.4	336.2	263.8
67.5°	1107.1	1030.5	953.1	879.0	817.9	759.5	701.6	606.6	503.1	405.5	322.3
65°	1318.5	1216.3	1118.0	1026.4	943.5	870.4	802.5	702.9	590.0	480.4	379.4
62.5°	1536.3	1405.8	1289.4	1172.6	1069.3	980.5	898.9	788.9	673.2	552.7	438.9
60°	1765.1	1616.6	1461.8	1325.5	1198.9	1086.6	987.7	873.8	751.0	622.3	498.0
57.5°	2006.1	1831.5	1657.7	1485.3	1333.2	1198.5	1074.1	954.3	827.4	691.0	553.0
55°	2250.3	2062.3	1856.6	1662.3	1475.8	1315.5	1165.5	1031.6	901.3	758.5	600.6
52.5°	2494.8	2288.2	2067.5	1843.1	1634.3	1433.6	1266.1	1106.8	969.2	824.5	650.1
50°	2750.5	2513.6	2277.2	2034.7	1791.9	1572.1	1363.2	1193.1	1035.2	887.2	697.0
47.5°	3016.7	2752.8	2489.6	2224.7	1964.3	1704.5	1476.7	1277.6	1099.0	943.9	740.7
45°	3308.4	2999.8	2708.5	2422.0	2127.5	1847.6	1591.5	1358.6	1171.2	988.0	781.0
42.5°	3599.9	3260.5	2935.1	2616.4	2298.4	1989.9	1700.2	1453.8	1240.4	1030.2	818.0
40°	3910.1	3522.1	3161.4	2815.6	2465.2	2125.1	1820.8	1546.6	1305.1	1074.1	853.1
37.5°	4211.6	3790.3	3393.8	3005.8	2628.7	2271.2	1936.6	1633.5	1366.6	1123.4	886.3
35°	4530.7	4059.8	3608.8	3197.3	2797.0	2409.7	2045.2	1721.2	1437.3	1171.5	917.6
32.5°	4839.1	4323.3	3839.6	3386.1	2957.7	2540.2	2156.8	1814.1	1505.3	1218.1	946.9
30°	5142.1	4587.8	4060.7	3564.7	3113.4	2677.2	2268.7	1900.9	1570.3	1263.1	976.2
27.5°	5421.4	4832.7	4272.7	3749.3	3266.4	2807.2	2374.4	1981.4	1632.0	1309.4	1010.3
25°	5681.6	5068.3	4481.7	3927.0	3408.4	2930.2	2471.7	2055.9	1694.8	1357.7	1041.9
22.5°	5925.8	5287.1	4671.1	4090.6	3539.9	3043.3	2566.6	2135.2	1754.2	1402.1	1070.9
20°	6147.7	5484.1	4840.6	4238.9	3667.9	3150.9	2658.0	2206.3	1807.3	1442.4	1097.0
17.5°	6347.6	5664.2	5002.5	4377.5	3787.0	3246.6	2739.1	2269.0	1853.9	1478.4	1119.9
15°	6533.2	5827.9	5145.6	4498.6	3890.2	3329.9	2809.7	2323.1	1893.9	1509.6	1141.8
12.5°	6692.7	5968.3	5267.0	4601.4	3977.1	3400.4	2869.4	2368.4	1927.0	1537.9	1162.3
10°	6824.0	6084.4	5366.1	4685.5	4047.4	3457.9	2917.9	2406.6	1958.2	1562.3	1178.2
7.5°	6926.2	6175.2	5442.5	4750.3	4103.1	3505.9	2959.2	2439.5	1983.3	1581.0	1189.3
5°	7003.7	6246.3	5509.0	4804.6	4154.4	3544.6	2989.3	2463.2	2001.4	1593.9	1195.6
2.5°	7072.5	6299.5	5561.2	4839.9	4189.2	3569.9	3007.4	2477.4	2012.5	1600.8	1197.0
0°	7111.4	6325.3	5590.1	4854.9	4207.1	3581.2	3013.4	2482.1	2016.2	1601.3	1193.7
-2.5°	7072.5	6299.5	5561.2	4839.9	4189.2	3569.9	3007.4	2477.4	2012.5	1600.8	1197.0
-5°	7003.7	6246.3	5509.0	4804.6	4154.4	3544.6	2989.3	2463.2	2001.4	1593.9	1195.6
-7.5°	6926.2	6175.2	5442.5	4750.3	4103.1	3505.9	2959.2	2439.5	1983.3	1581.0	1189.3
-10°	6824.0	6084.4	5366.1	4685.5	4047.4	3457.9	2917.9	2406.6	1958.2	1562.3	1178.2
-12.5°	6692.7	5968.3	5267.0	4601.4	3977.1	3400.4	2869.4	2368.4	1927.0	1537.9	1162.3
-15°	6533.2	5827.9	5145.6	4498.6	3890.2	3329.9	2809.7	2323.1	1893.9	1509.6	1141.8
-17.5°	6347.6	5664.2	5002.5	4377.5	3787.0	3246.6	2739.1	2269.0	1853.9	1478.4	1119.9
-20°	6147.7	5484.1	4840.6	4238.9	3667.9	3150.9	2658.0	2206.3	1807.3	1442.4	1097.0



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5925.8	5287.1	4671.1	4090.6	3539.9	3043.3	2566.6	2135.2	1754.2	1402.1	1070.9
-25°	5681.6	5068.3	4481.7	3927.0	3408.4	2930.2	2471.7	2055.9	1694.8	1357.7	1041.9
-27.5°	5421.4	4832.7	4272.7	3749.3	3266.4	2807.2	2374.4	1981.4	1632.0	1309.4	1010.3
-30°	5142.1	4587.8	4060.7	3564.7	3113.4	2677.2	2268.7	1900.9	1570.3	1263.1	976.2
-32.5°	4839.1	4323.3	3839.6	3386.1	2957.7	2540.2	2156.8	1814.1	1505.3	1218.1	946.9
-35°	4530.7	4059.8	3608.8	3197.3	2797.0	2409.7	2045.2	1721.2	1437.3	1171.5	917.6
-37.5°	4211.6	3790.3	3393.8	3005.8	2628.7	2271.2	1936.6	1633.5	1366.6	1123.4	886.3
-40°	3910.1	3522.1	3161.4	2815.6	2465.2	2125.1	1820.8	1546.6	1305.1	1074.1	853.1
-42.5°	3599.9	3260.5	2935.1	2616.4	2298.4	1989.9	1700.2	1453.8	1240.4	1030.2	818.0
-45°	3308.4	2999.8	2708.5	2422.0	2127.5	1847.6	1591.5	1358.6	1171.2	988.0	781.0
-47.5°	3016.7	2752.8	2489.6	2224.7	1964.3	1704.5	1476.7	1277.6	1099.0	943.9	740.7
-50°	2750.5	2513.6	2277.2	2034.7	1791.9	1572.1	1363.2	1193.1	1035.2	887.2	697.0
-52.5°	2494.8	2288.2	2067.5	1843.1	1634.3	1433.6	1266.1	1106.8	969.2	824.5	650.1
-55°	2250.3	2062.3	1856.6	1662.3	1475.8	1315.5	1165.5	1031.6	901.3	758.5	600.6
-57.5°	2006.1	1831.5	1657.7	1485.3	1333.2	1198.5	1074.1	954.3	827.4	691.0	553.0
-60°	1765.1	1616.6	1461.8	1325.5	1198.9	1086.6	987.7	873.8	751.0	622.3	498.0
-62.5°	1536.3	1405.8	1289.4	1172.6	1069.3	980.5	898.9	788.9	673.2	552.7	438.9
-65°	1318.5	1216.3	1118.0	1026.4	943.5	870.4	802.5	702.9	590.0	480.4	379.4
-67.5°	1107.1	1030.5	953.1	879.0	817.9	759.5	701.6	606.6	503.1	405.5	322.3
-70°	915.6	850.8	793.0	743.5	695.1	645.5	585.5	503.8	413.4	336.2	263.8
-72.5°	727.0	683.8	645.2	608.9	568.7	521.3	466.7	400.4	330.9	265.3	203.8
-75°	540.9	523.0	503.7	477.8	440.8	398.3	355.6	304.1	246.9	193.0	153.8
-77.5°	392.4	381.2	367.5	351.9	323.1	289.2	250.2	206.0	168.7	138.6	107.2
-80°	259.5	256.7	250.6	238.8	211.6	180.9	157.7	133.8	110.3	85.8	60.4
-82.5°	143.7	145.2	145.1	140.8	124.2	106.8	88.6	69.6	51.6	32.8	26.2
-85°	68.8	67.2	63.5	57.6	45.4	32.6	28.5	24.6	22.2	19.9	17.5
-87.5°	20.9	21.1	21.1	20.9	18.6	16.4	14.3	12.3	11.1	9.9	8.7
-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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-VWR-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°	7.5	6.3	5.1	3.8	2.5	1.1	0.0
85°	15.0	12.6	10.1	7.6	5.1	2.2	0.0
82.5°	22.5	18.8	15.1	11.4	7.6	3.3	0.0
80°	33.9	25.1	20.1	15.1	10.1	4.4	0.0
77.5°	73.9	39.3	25.1	18.8	12.5	5.5	0.0
75°	112.9	68.0	32.7	22.5	14.9	6.6	0.0
72.5°	150.7	95.9	52.1	26.2	17.3	7.6	0.0
70°	188.4	122.8	70.9	31.4	19.6	8.6	0.0
67.5°	233.8	148.6	88.9	43.0	21.8	9.6	0.0
65°	277.2	177.4	106.1	54.1	24.0	10.6	0.0
62.5°	318.4	209.1	122.5	64.8	26.1	11.6	0.0
60°	357.2	239.0	137.8	74.9	28.1	12.5	0.0
57.5°	398.1	267.1	158.3	84.4	33.8	13.4	0.0
55°	436.8	293.2	177.8	93.2	39.3	14.2	0.0
52.5°	472.7	318.0	195.9	101.4	44.6	15.0	0.0
50°	505.5	344.3	212.6	108.8	49.7	15.8	0.0
47.5°	536.3	368.4	227.8	116.6	54.6	16.5	0.0
45°	570.5	390.1	241.5	126.7	59.2	17.2	0.0
42.5°	601.9	409.4	253.7	135.8	63.6	17.9	0.0
40°	630.3	426.2	265.8	145.2	67.7	18.5	0.0
37.5°	655.8	440.6	277.9	154.5	71.5	19.1	0.0
35°	678.2	457.2	288.3	163.1	75.1	19.6	0.0
32.5°	699.1	473.9	297.0	171.0	78.4	20.0	0.0
30°	720.7	488.1	303.9	178.3	81.4	20.5	0.0
27.5°	740.1	499.8	314.3	184.9	84.1	20.8	0.0
25°	757.2	509.2	324.1	190.8	86.5	21.2	0.0
22.5°	771.8	518.5	332.7	196.0	88.7	21.4	0.0
20°	783.9	531.4	340.1	200.5	90.5	21.7	0.0
17.5°	799.0	542.0	346.3	204.3	92.0	21.8	0.0
15°	814.7	550.2	351.3	207.3	93.3	22.0	0.0
12.5°	827.5	556.1	355.2	209.7	94.2	22.1	0.0
10°	837.3	559.7	357.8	211.4	94.9	22.1	0.0
7.5°	843.9	561.2	359.3	212.3	95.2	22.1	0.0
5°	847.3	560.6	359.6	212.6	95.3	22.0	0.0
2.5°	847.5	557.9	358.7	212.2	95.1	21.9	0.0
0°	844.3	553.2	356.7	211.1	94.6	21.8	0.0
-2.5°	847.5	557.9	358.7	212.2	95.1	21.9	0.0
-5°	847.3	560.6	359.6	212.6	95.3	22.0	0.0
-7.5°	843.9	561.2	359.3	212.3	95.2	22.1	0.0
-10°	837.3	559.7	357.8	211.4	94.9	22.1	0.0
-12.5°	827.5	556.1	355.2	209.7	94.2	22.1	0.0
-15°	814.7	550.2	351.3	207.3	93.3	22.0	0.0
-17.5°	799.0	542.0	346.3	204.3	92.0	21.8	0.0
-20°	783.9	531.4	340.1	200.5	90.5	21.7	0.0

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Scaled Data Report



REPORT NUMBER: P627531 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	771.8	518.5	332.7	196.0	88.7	21.4	0.0
-25°	757.2	509.2	324.1	190.8	86.5	21.2	0.0
-27.5°	740.1	499.8	314.3	184.9	84.1	20.8	0.0
-30°	720.7	488.1	303.9	178.3	81.4	20.5	0.0
-32.5°	699.1	473.9	297.0	171.0	78.4	20.0	0.0
-35°	678.2	457.2	288.3	163.1	75.1	19.6	0.0
-37.5°	655.8	440.6	277.9	154.5	71.5	19.1	0.0
-40°	630.3	426.2	265.8	145.2	67.7	18.5	0.0
-42.5°	601.9	409.4	253.7	135.8	63.6	17.9	0.0
-45°	570.5	390.1	241.5	126.7	59.2	17.2	0.0
-47.5°	536.3	368.4	227.8	116.6	54.6	16.5	0.0
-50°	505.5	344.3	212.6	108.8	49.7	15.8	0.0
-52.5°	472.7	318.0	195.9	101.4	44.6	15.0	0.0
-55°	436.8	293.2	177.8	93.2	39.3	14.2	0.0
-57.5°	398.1	267.1	158.3	84.4	33.8	13.4	0.0
-60°	357.2	239.0	137.8	74.9	28.1	12.5	0.0
-62.5°	318.4	209.1	122.5	64.8	26.1	11.6	0.0
-65°	277.2	177.4	106.1	54.1	24.0	10.6	0.0
-67.5°	233.8	148.6	88.9	43.0	21.8	9.6	0.0
-70°	188.4	122.8	70.9	31.4	19.6	8.6	0.0
-72.5°	150.7	95.9	52.1	26.2	17.3	7.6	0.0
-75°	112.9	68.0	32.7	22.5	14.9	6.6	0.0
-77.5°	73.9	39.3	25.1	18.8	12.5	5.5	0.0
-80°	33.9	25.1	20.1	15.1	10.1	4.4	0.0
-82.5°	22.5	18.8	15.1	11.4	7.6	3.3	0.0
-85°	15.0	12.6	10.1	7.6	5.1	2.2	0.0
-87.5°	7.5	6.3	5.1	3.8	2.5	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)