

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: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P628011 (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-SA6E-740-U-VWR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N152
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

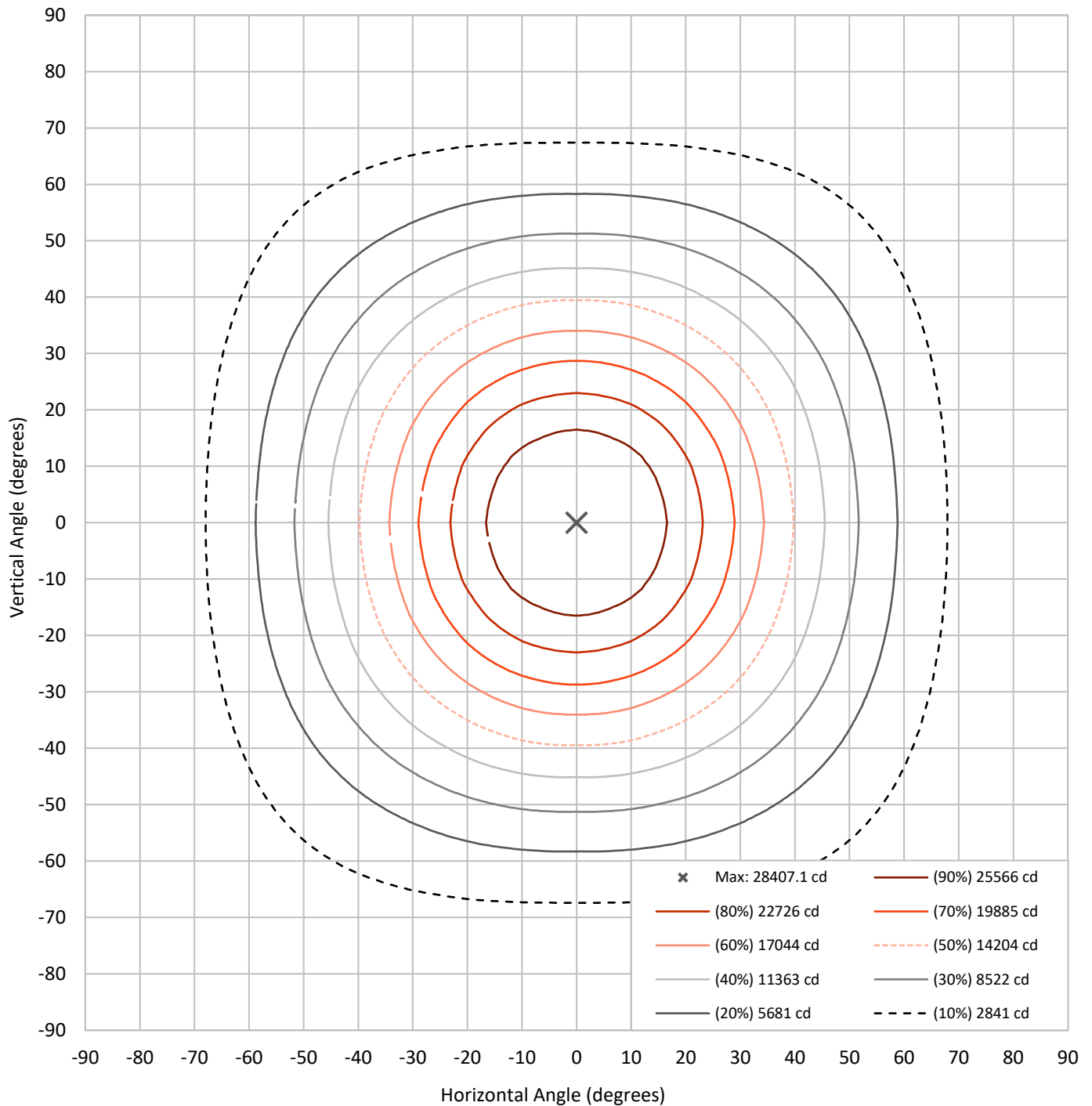
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	51343.3 lumens	Max Intensity:	28407.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	30113.1 lumens	Field Lumens:	48947.1 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	376.7		
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





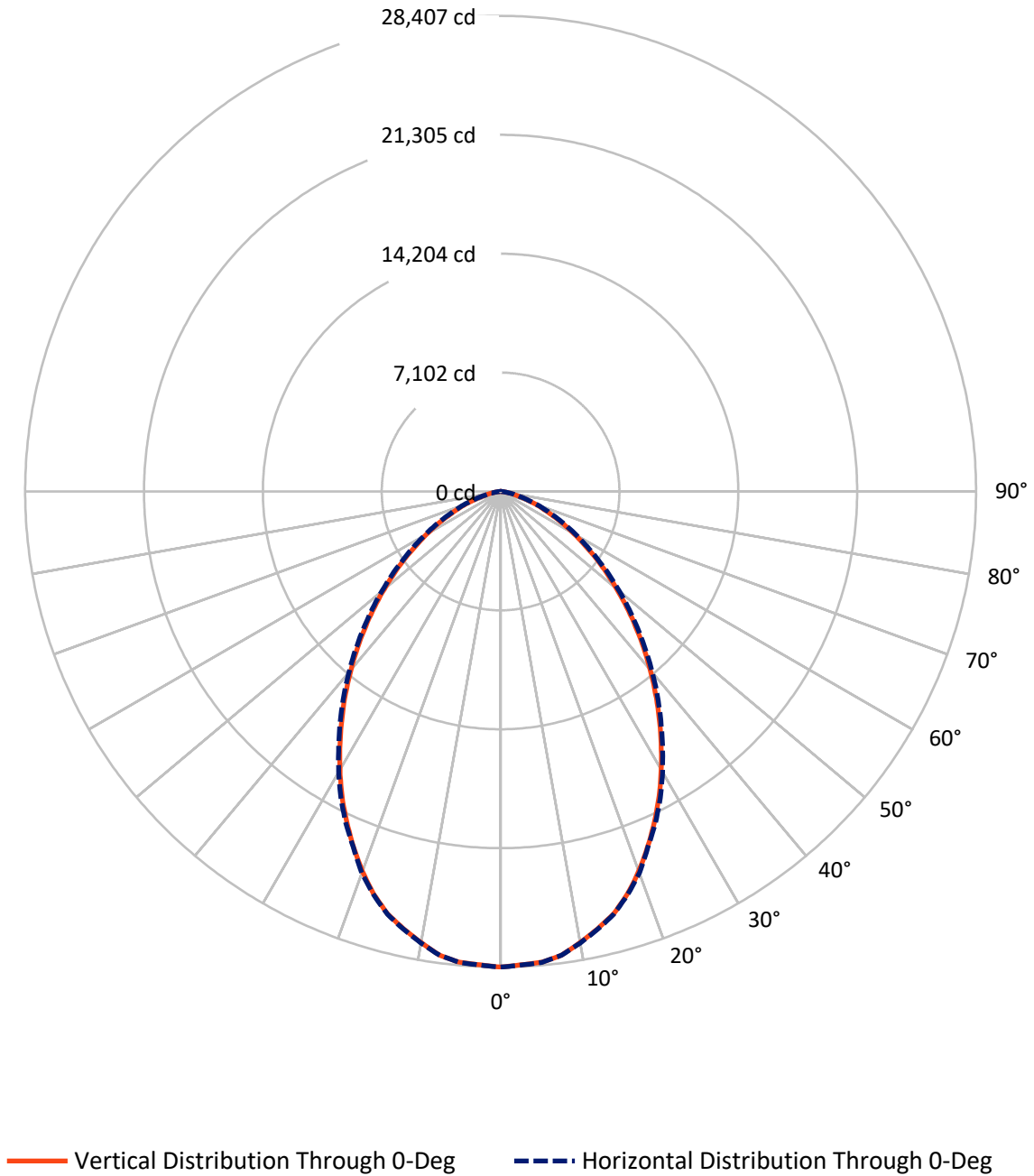
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Lumen Table

90																			
80	1.7	21.0	57.3	97.2	91.7	97.2	57.3	21.0	1.7										
70																			
60	9.5	13.2	26.6	45.3	66.3	85.6	100.1	107.1	107.1	100.1	85.6	66.3	45.3	26.6	13.2				9.5
50																			
40	16.8	19.8	43.2	77.0	116.6	158.5	192.9	210.8	210.8	192.9	158.5	116.6	77.0	43.2	19.8				16.8
30																			
20	21.6	26.5	62.4	115.3	182.6	253.1	312.2	344.5	344.5	312.2	253.1	182.6	115.3	62.4	26.5				21.6
10																			
0	23.4	33.6	82.7	158.7	255.7	358.4	446.2	496.1	496.1	446.2	358.4	255.7	158.7	82.7	33.6				23.4
-10																			
-20	21.6	40.2	101.7	199.5	325.5	462.0	581.1	649.5	649.5	581.1	462.0	325.5	199.5	101.7	40.2				21.6
-30																			
-40	16.8	45.3	116.5	230.1	380.0	546.1	692.6	775.8	775.8	692.6	546.1	380.0	230.1	116.5	45.3				16.8
-50																			
-60	9.5	48.1	124.6	247.4	410.3	592.6	752.8	840.4	840.4	752.8	592.6	410.3	247.4	124.6	48.1				9.5
-70																			
-80	1.7	48.1	124.6	247.4	410.3	592.6	752.8	840.4	840.4	752.8	592.6	410.3	247.4	124.6	48.1				1.7
-90																			

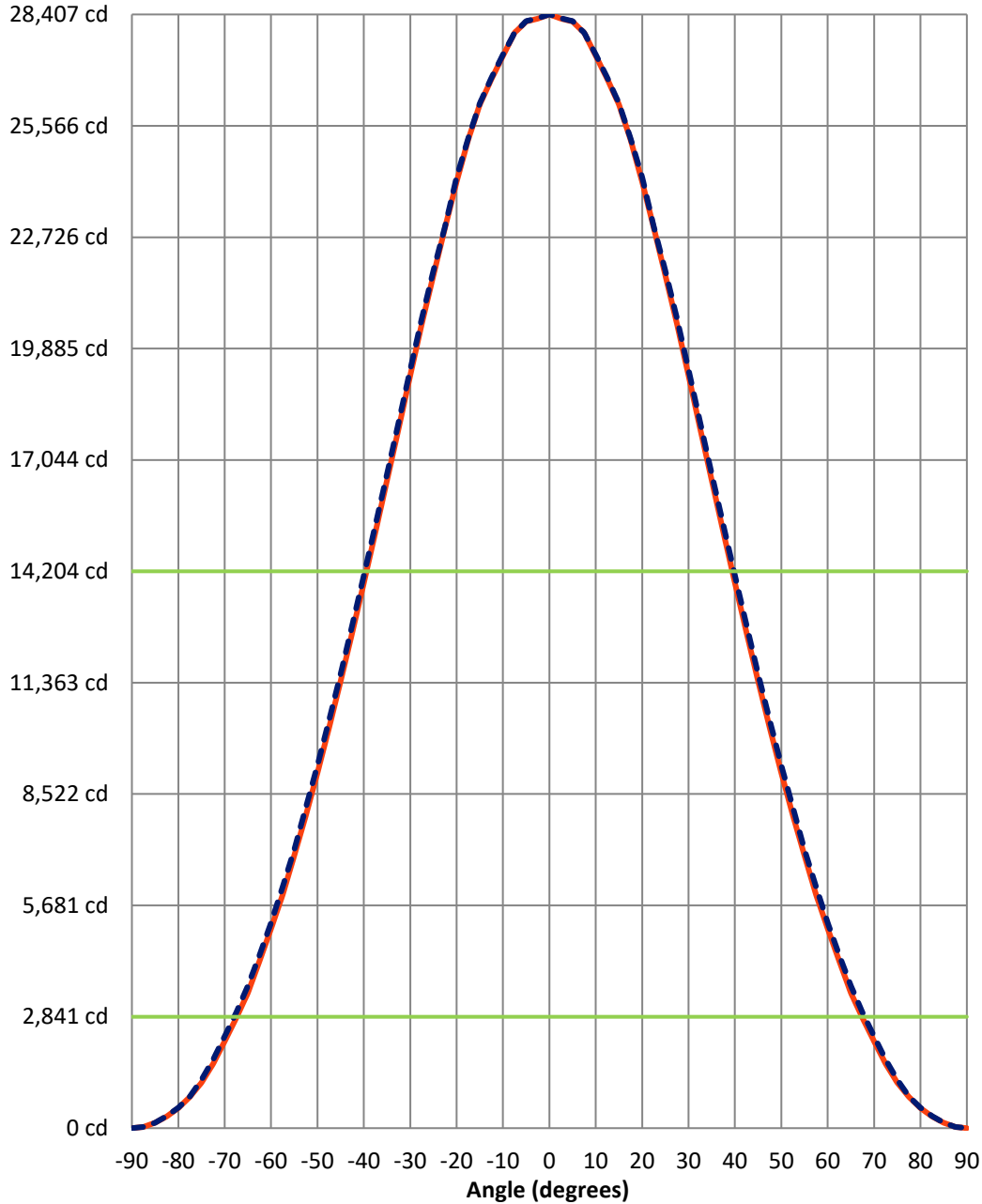
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 30113.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 48947.1
 Efficiency: 95.3%

Spill:
 Lumens: 2396.2
 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	1.6	3.7	5.6	7.4	9.2	11.0	12.8	14.6	16.3	18.0
85°	0.0	3.2	7.4	11.1	14.8	18.4	22.0	25.6	29.1	32.6	36.0
82.5°	0.0	4.9	11.1	16.6	22.1	27.6	33.0	38.3	48.0	75.5	101.9
80°	0.0	6.5	14.7	22.1	29.4	36.7	49.6	88.3	125.6	161.3	195.7
77.5°	0.0	8.0	18.3	27.6	36.7	57.5	108.1	156.9	202.7	246.8	301.4
75°	0.0	9.6	21.8	33.0	47.8	99.5	165.1	225.0	282.3	361.1	444.8
72.5°	0.0	11.1	25.3	38.3	76.2	140.3	220.4	298.1	388.1	484.0	585.6
70°	0.0	12.6	28.7	45.9	103.7	179.7	275.7	385.8	491.7	604.7	736.8
67.5°	0.0	14.1	31.9	62.9	130.1	217.4	342.1	471.5	593.2	735.8	887.3
65°	0.0	15.5	35.1	79.2	155.3	259.6	405.5	554.9	702.6	863.1	1028.1
62.5°	0.0	16.9	38.2	94.8	179.2	305.8	465.8	642.0	808.5	984.7	1154.1
60°	0.0	18.3	41.1	109.5	201.6	349.6	522.5	728.4	910.3	1098.5	1278.3
57.5°	0.0	19.6	49.4	123.4	231.5	390.7	582.3	809.0	1010.8	1210.3	1396.0
55°	0.0	20.8	57.5	136.3	260.1	428.9	639.0	878.5	1109.5	1318.3	1509.0
52.5°	0.0	22.0	65.3	148.3	286.6	465.2	691.4	950.9	1206.1	1417.8	1619.1
50°	0.0	23.1	72.7	159.2	311.0	503.7	739.4	1019.6	1297.7	1514.2	1745.3
47.5°	0.0	24.2	79.8	170.5	333.3	538.8	784.4	1083.5	1380.7	1607.6	1868.9
45°	0.0	25.2	86.6	185.3	353.3	570.6	834.5	1142.4	1445.2	1713.3	1987.2
42.5°	0.0	26.2	93.0	198.7	371.0	598.8	880.4	1196.5	1507.0	1814.4	2126.5
40°	0.0	27.1	99.0	212.4	388.9	623.4	922.0	1247.8	1571.3	1909.1	2262.2
37.5°	0.0	27.9	104.6	225.9	406.5	644.5	959.3	1296.5	1643.3	1998.9	2389.5
35°	0.0	28.6	109.8	238.5	421.7	668.8	992.1	1342.3	1713.6	2102.4	2517.8
32.5°	0.0	29.3	114.7	250.2	434.4	693.1	1022.6	1385.1	1781.8	2201.9	2653.6
30°	0.0	29.9	119.0	260.8	444.6	713.9	1054.2	1428.0	1847.6	2297.0	2780.6
27.5°	0.0	30.5	123.0	270.4	459.8	731.1	1082.6	1477.8	1915.3	2387.2	2898.3
25°	0.0	31.0	126.6	279.1	474.1	744.8	1107.6	1524.1	1986.0	2479.1	3007.4
22.5°	0.0	31.4	129.7	286.7	486.6	758.5	1129.0	1566.5	2051.0	2566.0	3123.3
20°	0.0	31.7	132.4	293.3	497.5	777.4	1146.7	1604.6	2110.0	2643.7	3227.4
17.5°	0.0	32.0	134.6	298.8	506.6	792.8	1168.8	1638.2	2162.5	2711.9	3319.1
15°	0.0	32.2	136.5	303.3	513.9	804.8	1191.8	1670.2	2208.2	2770.3	3398.2
12.5°	0.0	32.3	137.9	306.8	519.5	813.4	1210.5	1700.3	2249.6	2818.9	3464.4
10°	0.0	32.3	138.8	309.2	523.3	818.8	1224.8	1723.5	2285.2	2864.4	3520.2
7.5°	0.0	32.3	139.3	310.6	525.5	820.9	1234.5	1739.7	2312.7	2901.1	3568.5
5°	0.0	32.2	139.4	311.0	525.9	820.0	1239.5	1748.9	2331.6	2927.7	3603.0
2.5°	0.0	32.1	139.1	310.4	524.6	816.0	1239.8	1751.1	2341.6	2943.9	3623.8
0°	0.0	31.9	138.4	308.8	521.7	809.2	1235.1	1746.2	2342.4	2949.3	3630.7
-2.5°	0.0	32.1	139.1	310.4	524.6	816.0	1239.8	1751.1	2341.6	2943.9	3623.8
-5°	0.0	32.2	139.4	311.0	525.9	820.0	1239.5	1748.9	2331.6	2927.7	3603.0
-7.5°	0.0	32.3	139.3	310.6	525.5	820.9	1234.5	1739.7	2312.7	2901.1	3568.5
-10°	0.0	32.3	138.8	309.2	523.3	818.8	1224.8	1723.5	2285.2	2864.4	3520.2
-12.5°	0.0	32.3	137.9	306.8	519.5	813.4	1210.5	1700.3	2249.6	2818.9	3464.4
-15°	0.0	32.2	136.5	303.3	513.9	804.8	1191.8	1670.2	2208.2	2770.3	3398.2
-17.5°	0.0	32.0	134.6	298.8	506.6	792.8	1168.8	1638.2	2162.5	2711.9	3319.1
-20°	0.0	31.7	132.4	293.3	497.5	777.4	1146.7	1604.6	2110.0	2643.7	3227.4

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	31.4	129.7	286.7	486.6	758.5	1129.0	1566.5	2051.0	2566.0	3123.3
-25°	0.0	31.0	126.6	279.1	474.1	744.8	1107.6	1524.1	1986.0	2479.1	3007.4
-27.5°	0.0	30.5	123.0	270.4	459.8	731.1	1082.6	1477.8	1915.3	2387.2	2898.3
-30°	0.0	29.9	119.0	260.8	444.6	713.9	1054.2	1428.0	1847.6	2297.0	2780.6
-32.5°	0.0	29.3	114.7	250.2	434.4	693.1	1022.6	1385.1	1781.8	2201.9	2653.6
-35°	0.0	28.6	109.8	238.5	421.7	668.8	992.1	1342.3	1713.6	2102.4	2517.8
-37.5°	0.0	27.9	104.6	225.9	406.5	644.5	959.3	1296.5	1643.3	1998.9	2389.5
-40°	0.0	27.1	99.0	212.4	388.9	623.4	922.0	1247.8	1571.3	1909.1	2262.2
-42.5°	0.0	26.2	93.0	198.7	371.0	598.8	880.4	1196.5	1507.0	1814.4	2126.5
-45°	0.0	25.2	86.6	185.3	353.3	570.6	834.5	1142.4	1445.2	1713.3	1987.2
-47.5°	0.0	24.2	79.8	170.5	333.3	538.8	784.4	1083.5	1380.7	1607.6	1868.9
-50°	0.0	23.1	72.7	159.2	311.0	503.7	739.4	1019.6	1297.7	1514.2	1745.3
-52.5°	0.0	22.0	65.3	148.3	286.6	465.2	691.4	950.9	1206.1	1417.8	1619.1
-55°	0.0	20.8	57.5	136.3	260.1	428.9	639.0	878.5	1109.5	1318.3	1509.0
-57.5°	0.0	19.6	49.4	123.4	231.5	390.7	582.3	809.0	1010.8	1210.3	1396.0
-60°	0.0	18.3	41.1	109.5	201.6	349.6	522.5	728.4	910.3	1098.5	1278.3
-62.5°	0.0	16.9	38.2	94.8	179.2	305.8	465.8	642.0	808.5	984.7	1154.1
-65°	0.0	15.5	35.1	79.2	155.3	259.6	405.5	554.9	702.6	863.1	1028.1
-67.5°	0.0	14.1	31.9	62.9	130.1	217.4	342.1	471.5	593.2	735.8	887.3
-70°	0.0	12.6	28.7	45.9	103.7	179.7	275.7	385.8	491.7	604.7	736.8
-72.5°	0.0	11.1	25.3	38.3	76.2	140.3	220.4	298.1	388.1	484.0	585.6
-75°	0.0	9.6	21.8	33.0	47.8	99.5	165.1	225.0	282.3	361.1	444.8
-77.5°	0.0	8.0	18.3	27.6	36.7	57.5	108.1	156.9	202.7	246.8	301.4
-80°	0.0	6.5	14.7	22.1	29.4	36.7	49.6	88.3	125.6	161.3	195.7
-82.5°	0.0	4.9	11.1	16.6	22.1	27.6	33.0	38.3	48.0	75.5	101.9
-85°	0.0	3.2	7.4	11.1	14.8	18.4	22.0	25.6	29.1	32.6	36.0
-87.5°	0.0	1.6	3.7	5.6	7.4	9.2	11.0	12.8	14.6	16.3	18.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.9	23.9	27.1	30.5	30.8	30.8	30.6	30.1	31.4	32.6	33.8
85°	41.7	47.8	66.3	84.2	92.9	98.2	100.7	100.3	116.6	135.5	156.0
82.5°	129.6	156.2	181.7	205.9	212.2	212.4	210.3	211.0	249.2	293.1	338.1
80°	230.7	264.5	309.5	349.3	366.6	375.5	379.6	379.0	427.4	492.0	559.8
77.5°	365.9	423.0	472.6	514.8	537.5	557.6	573.9	586.5	648.8	730.4	811.3
75°	520.0	582.7	644.8	699.0	736.9	765.0	791.1	833.2	914.8	1010.0	1092.8
72.5°	682.7	762.6	831.9	890.7	943.8	1000.3	1063.5	1132.7	1218.8	1313.9	1400.5
70°	856.4	944.2	1016.8	1087.6	1160.0	1244.6	1339.4	1432.7	1528.7	1633.6	1734.6
67.5°	1026.3	1111.0	1196.5	1285.9	1394.3	1507.5	1619.5	1748.2	1879.8	1996.3	2100.6
65°	1173.9	1273.3	1380.1	1501.4	1635.3	1779.1	1928.8	2083.0	2250.0	2389.9	2517.5
62.5°	1314.9	1434.3	1564.2	1715.3	1886.1	2056.4	2247.2	2440.4	2628.3	2793.2	2945.6
60°	1444.8	1589.4	1753.7	1938.9	2138.3	2364.7	2582.0	2801.7	3007.8	3194.5	3387.1
57.5°	1571.2	1753.2	1950.2	2172.7	2424.8	2679.1	2934.5	3170.8	3404.1	3631.6	3849.5
55°	1704.9	1924.2	2158.7	2431.6	2715.8	3016.6	3291.7	3555.4	3812.5	4088.5	4351.0
52.5°	1852.1	2097.0	2390.6	2696.0	3024.3	3347.1	3649.3	3949.8	4260.4	4572.9	4914.6
50°	1994.1	2299.6	2621.2	2976.4	3331.0	3676.9	4023.5	4369.5	4741.7	5124.9	5512.1
47.5°	2160.0	2493.3	2873.3	3254.2	3641.8	4026.7	4412.8	4831.0	5253.9	5698.3	6126.6
45°	2327.9	2702.7	3112.1	3542.9	3961.9	4388.0	4839.6	5301.8	5797.7	6286.5	6801.7
42.5°	2487.1	2910.7	3362.0	3827.2	4293.4	4769.5	5266.0	5806.0	6347.8	6911.6	7477.7
40°	2663.4	3108.6	3606.1	4118.6	4624.4	5152.2	5719.6	6304.5	6917.5	7537.4	8152.2
37.5°	2832.9	3322.3	3845.3	4396.9	4964.5	5544.5	6160.7	6824.5	7489.4	8156.4	8834.4
35°	2991.6	3524.9	4091.4	4676.9	5278.9	5938.6	6627.5	7336.0	8056.5	8778.0	9507.2
32.5°	3154.9	3715.9	4326.5	4953.2	5616.5	6324.0	7078.5	7846.4	8613.7	9384.1	10182.3
30°	3318.6	3916.2	4554.2	5214.4	5940.0	6710.9	7521.8	8335.2	9146.8	9994.5	10845.2
27.5°	3473.2	4106.3	4778.0	5484.5	6250.1	7069.2	7930.4	8801.6	9676.7	10578.0	11485.4
25°	3615.7	4286.3	4985.8	5744.3	6555.7	7413.9	8311.1	9220.2	10179.9	11144.4	12091.9
22.5°	3754.4	4451.6	5178.1	5983.7	6832.8	7734.0	8668.2	9628.2	10631.1	11666.9	12647.4
20°	3888.0	4609.2	5365.4	6200.7	7080.9	8022.2	8992.8	9998.1	11050.3	12113.7	13168.4
17.5°	4006.7	4749.1	5539.6	6403.5	7317.7	8285.7	9285.2	10323.6	11422.6	12525.0	13642.5
15°	4110.0	4871.0	5690.6	6580.5	7527.0	8525.1	9556.7	10624.6	11751.9	12899.7	14061.5
12.5°	4197.3	4974.1	5817.6	6730.9	7704.6	8730.5	9790.0	10895.4	12053.2	13233.1	14428.6
10°	4268.3	5058.2	5920.5	6853.9	7849.6	8900.3	9982.0	11118.6	12311.0	13516.7	14737.3
7.5°	4328.8	5128.3	6002.0	6948.7	7961.4	9033.1	10131.6	11292.8	12516.5	13737.8	14985.3
5°	4372.7	5185.1	6077.0	7028.2	8058.6	9137.0	10244.9	11416.8	12666.8	13895.3	15165.1
2.5°	4399.2	5222.0	6128.0	7079.8	8135.0	9214.8	10345.6	11526.5	12776.9	14020.3	15300.3
0°	4408.0	5238.5	6154.2	7101.8	8177.2	9252.5	10402.4	11584.3	12830.0	14097.1	15385.4
-2.5°	4399.2	5222.0	6128.0	7079.8	8135.0	9214.8	10345.6	11526.5	12776.9	14020.3	15300.3
-5°	4372.7	5185.1	6077.0	7028.2	8058.6	9137.0	10244.9	11416.8	12666.8	13895.3	15165.1
-7.5°	4328.8	5128.3	6002.0	6948.7	7961.4	9033.1	10131.6	11292.8	12516.5	13737.8	14985.3
-10°	4268.3	5058.2	5920.5	6853.9	7849.6	8900.3	9982.0	11118.6	12311.0	13516.7	14737.3
-12.5°	4197.3	4974.1	5817.6	6730.9	7704.6	8730.5	9790.0	10895.4	12053.2	13233.1	14428.6
-15°	4110.0	4871.0	5690.6	6580.5	7527.0	8525.1	9556.7	10624.6	11751.9	12899.7	14061.5
-17.5°	4006.7	4749.1	5539.6	6403.5	7317.7	8285.7	9285.2	10323.6	11422.6	12525.0	13642.5
-20°	3888.0	4609.2	5365.4	6200.7	7080.9	8022.2	8992.8	9998.1	11050.3	12113.7	13168.4

Classified

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

Scaled Data Report



REPORT NUMBER: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	3754.4	4451.6	5178.1	5983.7	6832.8	7734.0	8668.2	9628.2	10631.1	11666.9	12647.4
-25°	3615.7	4286.3	4985.8	5744.3	6555.7	7413.9	8311.1	9220.2	10179.9	11144.4	12091.9
-27.5°	3473.2	4106.3	4778.0	5484.5	6250.1	7069.2	7930.4	8801.6	9676.7	10578.0	11485.4
-30°	3318.6	3916.2	4554.2	5214.4	5940.0	6710.9	7521.8	8335.2	9146.8	9994.5	10845.2
-32.5°	3154.9	3715.9	4326.5	4953.2	5616.5	6324.0	7078.5	7846.4	8613.7	9384.1	10182.3
-35°	2991.6	3524.9	4091.4	4676.9	5278.9	5938.6	6627.5	7336.0	8056.5	8778.0	9507.2
-37.5°	2832.9	3322.3	3845.3	4396.9	4964.5	5544.5	6160.7	6824.5	7489.4	8156.4	8834.4
-40°	2663.4	3108.6	3606.1	4118.6	4624.4	5152.2	5719.6	6304.5	6917.5	7537.4	8152.2
-42.5°	2487.1	2910.7	3362.0	3827.2	4293.4	4769.5	5266.0	5806.0	6347.8	6911.6	7477.7
-45°	2327.9	2702.7	3112.1	3542.9	3961.9	4388.0	4839.6	5301.8	5797.7	6286.5	6801.7
-47.5°	2160.0	2493.3	2873.3	3254.2	3641.8	4026.7	4412.8	4831.0	5253.9	5698.3	6126.6
-50°	1994.1	2299.6	2621.2	2976.4	3331.0	3676.9	4023.5	4369.5	4741.7	5124.9	5512.1
-52.5°	1852.1	2097.0	2390.6	2696.0	3024.3	3347.1	3649.3	3949.8	4260.4	4572.9	4914.6
-55°	1704.9	1924.2	2158.7	2431.6	2715.8	3016.6	3291.7	3555.4	3812.5	4088.5	4351.0
-57.5°	1571.2	1753.2	1950.2	2172.7	2424.8	2679.1	2934.5	3170.8	3404.1	3631.6	3849.5
-60°	1444.8	1589.4	1753.7	1938.9	2138.3	2364.7	2582.0	2801.7	3007.8	3194.5	3387.1
-62.5°	1314.9	1434.3	1564.2	1715.3	1886.1	2056.4	2247.2	2440.4	2628.3	2793.2	2945.6
-65°	1173.9	1273.3	1380.1	1501.4	1635.3	1779.1	1928.8	2083.0	2250.0	2389.9	2517.5
-67.5°	1026.3	1111.0	1196.5	1285.9	1394.3	1507.5	1619.5	1748.2	1879.8	1996.3	2100.6
-70°	856.4	944.2	1016.8	1087.6	1160.0	1244.6	1339.4	1432.7	1528.7	1633.6	1734.6
-72.5°	682.7	762.6	831.9	890.7	943.8	1000.3	1063.5	1132.7	1218.8	1313.9	1400.5
-75°	520.0	582.7	644.8	699.0	736.9	765.0	791.1	833.2	914.8	1010.0	1092.8
-77.5°	365.9	423.0	472.6	514.8	537.5	557.6	573.9	586.5	648.8	730.4	811.3
-80°	230.7	264.5	309.5	349.3	366.6	375.5	379.6	379.0	427.4	492.0	559.8
-82.5°	129.6	156.2	181.7	205.9	212.2	212.4	210.3	211.0	249.2	293.1	338.1
-85°	41.7	47.8	66.3	84.2	92.9	98.2	100.7	100.3	116.6	135.5	156.0
-87.5°	20.9	23.9	27.1	30.5	30.8	30.8	30.6	30.1	31.4	32.6	33.8
-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: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	34.9	35.9	36.9	37.8	38.6	39.4	40.0	40.6	41.1	39.0	36.7
85°	177.9	190.4	202.2	213.4	224.1	234.3	243.8	252.6	260.7	238.2	213.2
82.5°	384.1	414.9	444.2	473.4	502.3	509.7	511.9	510.9	506.8	467.1	423.2
80°	627.0	679.2	728.4	777.2	825.3	830.7	825.2	815.3	801.2	749.2	690.2
77.5°	892.1	957.8	1015.3	1068.0	1115.9	1125.0	1123.7	1121.3	1117.3	1064.2	999.8
75°	1163.8	1228.1	1290.1	1342.8	1386.8	1407.0	1416.9	1423.9	1427.7	1389.6	1339.6
72.5°	1478.9	1545.8	1600.5	1651.7	1695.0	1726.3	1748.8	1765.8	1777.4	1765.8	1745.4
70°	1820.8	1892.5	1952.9	2010.7	2069.5	2116.5	2152.1	2177.9	2194.3	2205.0	2212.5
67.5°	2205.8	2302.1	2386.1	2457.8	2528.9	2595.4	2650.2	2694.9	2729.4	2758.7	2781.3
65°	2639.6	2762.7	2871.8	2972.0	3063.8	3160.4	3239.7	3306.2	3359.7	3404.0	3439.5
62.5°	3095.6	3246.5	3386.5	3522.5	3655.6	3786.8	3887.6	3979.2	4060.8	4130.9	4186.7
60°	3569.4	3740.9	3928.9	4108.3	4273.5	4424.4	4574.2	4704.1	4815.2	4907.3	4981.6
57.5°	4078.8	4300.8	4520.5	4743.4	4954.1	5151.2	5335.6	5498.4	5636.0	5748.8	5843.6
55°	4629.1	4906.7	5161.5	5442.8	5714.4	5961.8	6179.6	6370.9	6536.5	6675.1	6792.8
52.5°	5234.0	5571.3	5902.5	6222.4	6530.9	6817.8	7078.6	7301.4	7499.7	7669.6	7805.2
50°	5896.0	6282.0	6665.8	7021.6	7376.0	7706.7	8005.5	8264.2	8494.9	8694.6	8851.8
47.5°	6588.3	7027.7	7456.2	7863.6	8255.8	8623.3	8947.0	9241.8	9529.4	9764.0	9949.6
45°	7307.2	7800.1	8272.9	8738.7	9170.6	9582.4	9981.7	10348.8	10644.1	10902.5	11119.6
42.5°	8034.8	8584.6	9114.1	9622.2	10097.1	10573.5	11022.6	11424.0	11760.6	12054.5	12301.1
40°	8772.0	9373.8	9957.2	10511.2	11054.1	11573.5	12059.3	12482.6	12862.2	13211.2	13501.9
37.5°	9505.3	10167.5	10813.8	11434.4	12032.2	12594.9	13119.8	13598.0	14026.5	14424.0	14746.8
35°	10241.9	10968.4	11675.9	12358.9	13011.9	13632.9	14207.5	14751.7	15256.6	15659.3	15989.5
32.5°	10975.7	11756.7	12526.7	13278.6	13993.4	14662.8	15285.4	15886.8	16406.1	16848.7	17228.5
30°	11685.8	12531.9	13370.4	14185.6	14957.7	15683.1	16372.5	17008.4	17566.9	18051.0	18476.9
27.5°	12382.5	13291.6	14191.2	15062.2	15896.9	16685.1	17437.5	18127.0	18736.6	19262.7	19711.8
25°	13041.1	14018.2	14977.1	15900.5	16792.2	17661.7	18474.0	19226.5	19877.5	20455.1	20916.6
22.5°	13670.3	14712.2	15719.8	16691.2	17645.1	18582.2	19471.6	20257.3	20947.3	21551.1	22061.8
20°	14256.5	15372.9	16403.8	17431.2	18435.9	19436.6	20391.5	21220.5	21950.6	22593.4	23156.3
17.5°	14804.4	15949.6	17035.0	18128.9	19187.8	20237.6	21207.7	22096.3	22883.9	23566.5	24156.1
15°	15268.3	16424.8	17610.2	18778.1	19894.8	20957.8	21927.0	22855.1	23729.7	24467.9	25065.7
12.5°	15643.8	16846.5	18083.3	19323.1	20504.0	21565.6	22580.3	23521.9	24440.5	25269.6	25819.2
10°	15963.9	17202.4	18479.1	19743.5	20940.2	22063.5	23166.7	24162.2	25064.9	25807.4	26421.1
7.5°	16240.6	17516.5	18813.1	20079.6	21272.2	22432.9	23568.6	24625.8	25537.1	26236.6	26784.1
5°	16444.7	17750.9	19072.6	20350.7	21560.1	22724.4	23865.3	24909.3	25798.8	26510.6	27107.6
2.5°	16590.8	17909.2	19240.4	20520.3	21756.5	22923.8	24093.1	25148.8	26010.3	26662.4	27234.0
0°	16684.4	18004.6	19346.2	20655.8	21869.6	22998.2	24254.6	25244.8	26139.2	26788.7	27384.9
-2.5°	16590.8	17909.2	19240.4	20520.3	21756.5	22923.8	24093.1	25148.8	26010.3	26662.4	27234.0
-5°	16444.7	17750.9	19072.6	20350.7	21560.1	22724.4	23865.3	24909.3	25798.8	26510.6	27107.6
-7.5°	16240.6	17516.5	18813.1	20079.6	21272.2	22432.9	23568.6	24625.8	25537.1	26236.6	26784.1
-10°	15963.9	17202.4	18479.1	19743.5	20940.2	22063.5	23166.7	24162.2	25064.9	25807.4	26421.1
-12.5°	15643.8	16846.5	18083.3	19323.1	20504.0	21565.6	22580.3	23521.9	24440.5	25269.6	25819.2
-15°	15268.3	16424.8	17610.2	18778.1	19894.8	20957.8	21927.0	22855.1	23729.7	24467.9	25065.7
-17.5°	14804.4	15949.6	17035.0	18128.9	19187.8	20237.6	21207.7	22096.3	22883.9	23566.5	24156.1
-20°	14256.5	15372.9	16403.8	17431.2	18435.9	19436.6	20391.5	21220.5	21950.6	22593.4	23156.3



REPORT NUMBER: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	13670.3	14712.2	15719.8	16691.2	17645.1	18582.2	19471.6	20257.3	20947.3	21551.1	22061.8
-25°	13041.1	14018.2	14977.1	15900.5	16792.2	17661.7	18474.0	19226.5	19877.5	20455.1	20916.6
-27.5°	12382.5	13291.6	14191.2	15062.2	15896.9	16685.1	17437.5	18127.0	18736.6	19262.7	19711.8
-30°	11685.8	12531.9	13370.4	14185.6	14957.7	15683.1	16372.5	17008.4	17566.9	18051.0	18476.9
-32.5°	10975.7	11756.7	12526.7	13278.6	13993.4	14662.8	15285.4	15886.8	16406.1	16848.7	17228.5
-35°	10241.9	10968.4	11675.9	12358.9	13011.9	13632.9	14207.5	14751.7	15256.6	15659.3	15989.5
-37.5°	9505.3	10167.5	10813.8	11434.4	12032.2	12594.9	13119.8	13598.0	14026.5	14424.0	14746.8
-40°	8772.0	9373.8	9957.2	10511.2	11054.1	11573.5	12059.3	12482.6	12862.2	13211.2	13501.9
-42.5°	8034.8	8584.6	9114.1	9622.2	10097.1	10573.5	11022.6	11424.0	11760.6	12054.5	12301.1
-45°	7307.2	7800.1	8272.9	8738.7	9170.6	9582.4	9981.7	10348.8	10644.1	10902.5	11119.6
-47.5°	6588.3	7027.7	7456.2	7863.6	8255.8	8623.3	8947.0	9241.8	9529.4	9764.0	9949.6
-50°	5896.0	6282.0	6665.8	7021.6	7376.0	7706.7	8005.5	8264.2	8494.9	8694.6	8851.8
-52.5°	5234.0	5571.3	5902.5	6222.4	6530.9	6817.8	7078.6	7301.4	7499.7	7669.6	7805.2
-55°	4629.1	4906.7	5161.5	5442.8	5714.4	5961.8	6179.6	6370.9	6536.5	6675.1	6792.8
-57.5°	4078.8	4300.8	4520.5	4743.4	4954.1	5151.2	5335.6	5498.4	5636.0	5748.8	5843.6
-60°	3569.4	3740.9	3928.9	4108.3	4273.5	4424.4	4574.2	4704.1	4815.2	4907.3	4981.6
-62.5°	3095.6	3246.5	3386.5	3522.5	3655.6	3786.8	3887.6	3979.2	4060.8	4130.9	4186.7
-65°	2639.6	2762.7	2871.8	2972.0	3063.8	3160.4	3239.7	3306.2	3359.7	3404.0	3439.5
-67.5°	2205.8	2302.1	2386.1	2457.8	2528.9	2595.4	2650.2	2694.9	2729.4	2758.7	2781.3
-70°	1820.8	1892.5	1952.9	2010.7	2069.5	2116.5	2152.1	2177.9	2194.3	2205.0	2212.5
-72.5°	1478.9	1545.8	1600.5	1651.7	1695.0	1726.3	1748.8	1765.8	1777.4	1765.8	1745.4
-75°	1163.8	1228.1	1290.1	1342.8	1386.8	1407.0	1416.9	1423.9	1427.7	1389.6	1339.6
-77.5°	892.1	957.8	1015.3	1068.0	1115.9	1125.0	1123.7	1121.3	1117.3	1064.2	999.8
-80°	627.0	679.2	728.4	777.2	825.3	830.7	825.2	815.3	801.2	749.2	690.2
-82.5°	384.1	414.9	444.2	473.4	502.3	509.7	511.9	510.9	506.8	467.1	423.2
-85°	177.9	190.4	202.2	213.4	224.1	234.3	243.8	252.6	260.7	238.2	213.2
-87.5°	34.9	35.9	36.9	37.8	38.6	39.4	40.0	40.6	41.1	39.0	36.7
-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: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	34.3	31.8	31.9	31.9	31.9	31.8	34.3	36.7	39.0	41.1	40.6
85°	186.7	158.9	148.9	138.4	148.9	158.9	186.7	213.2	238.2	260.7	252.6
82.5°	377.0	329.0	313.8	298.1	313.8	329.0	377.0	423.2	467.1	506.8	510.9
80°	627.9	562.8	537.2	511.1	537.2	562.8	627.9	690.2	749.2	801.2	815.3
77.5°	931.8	860.4	829.8	798.5	829.8	860.4	931.8	999.8	1064.2	1117.3	1121.3
75°	1286.9	1230.9	1197.0	1160.6	1197.0	1230.9	1286.9	1339.6	1389.6	1427.7	1423.9
72.5°	1722.0	1694.6	1669.9	1639.7	1669.9	1694.6	1722.0	1745.4	1765.8	1777.4	1765.8
70°	2215.0	2211.5	2216.0	2214.6	2216.0	2211.5	2215.0	2212.5	2205.0	2194.3	2177.9
67.5°	2792.9	2793.7	2805.6	2810.9	2805.6	2793.7	2792.9	2781.3	2758.7	2729.4	2694.9
65°	3461.4	3469.5	3466.5	3449.7	3466.5	3469.5	3461.4	3439.5	3404.0	3359.7	3306.2
62.5°	4226.3	4249.2	4261.9	4258.9	4261.9	4249.2	4226.3	4186.7	4130.9	4060.8	3979.2
60°	5037.1	5073.1	5091.2	5089.4	5091.2	5073.1	5037.1	4981.6	4907.3	4815.2	4704.1
57.5°	5914.2	5960.4	5971.2	5951.9	5971.2	5960.4	5914.2	5843.6	5748.8	5636.0	5498.4
55°	6881.6	6940.7	6963.5	6952.7	6963.5	6940.7	6881.6	6792.8	6675.1	6536.5	6370.9
52.5°	7904.6	7968.5	7991.2	7974.9	7991.2	7968.5	7904.6	7805.2	7669.6	7499.7	7301.4
50°	8967.2	9044.5	9075.7	9060.9	9075.7	9044.5	8967.2	8851.8	8694.6	8494.9	8264.2
47.5°	10094.9	10198.0	10238.0	10210.8	10238.0	10198.0	10094.9	9949.6	9764.0	9529.4	9241.8
45°	11281.7	11388.6	11429.9	11403.3	11429.9	11388.6	11281.7	11119.6	10902.5	10644.1	10348.8
42.5°	12489.7	12628.5	12687.2	12638.4	12687.2	12628.5	12489.7	12301.1	12054.5	11760.6	11424.0
40°	13719.0	13869.6	13939.1	13905.4	13939.1	13869.6	13719.0	13501.9	13211.2	12862.2	12482.6
37.5°	14979.9	15129.8	15203.4	15204.4	15203.4	15129.8	14979.9	14746.8	14424.0	14026.5	13598.0
35°	16245.4	16426.9	16529.6	16524.7	16529.6	16426.9	16245.4	15989.5	15659.3	15256.6	14751.7
32.5°	17528.7	17725.2	17830.2	17844.9	17830.2	17725.2	17528.7	17228.5	16848.7	16406.1	15886.8
30°	18809.8	19025.8	19147.3	19197.1	19147.3	19025.8	18809.8	18476.9	18051.0	17566.9	17008.4
27.5°	20052.1	20318.0	20501.4	20517.4	20501.4	20318.0	20052.1	19711.8	19262.7	18736.6	18127.0
25°	21255.3	21526.1	21714.2	21752.5	21714.2	21526.1	21255.3	20916.6	20455.1	19877.5	19226.5
22.5°	22441.3	22724.2	22897.9	22966.3	22897.9	22724.2	22441.3	22061.8	21551.1	20947.3	20257.3
20°	23573.3	23880.0	24064.2	24137.5	24064.2	23880.0	23573.3	23156.3	22593.4	21950.6	21220.5
17.5°	24597.5	24921.5	25149.0	25212.9	25149.0	24921.5	24597.5	24156.1	23566.5	22883.9	22096.3
15°	25498.8	25806.1	26022.0	26107.3	26022.0	25806.1	25498.8	25065.7	24467.9	23729.7	22855.1
12.5°	26232.4	26507.3	26676.4	26756.7	26676.4	26507.3	26232.4	25819.2	25269.6	24440.5	23521.9
10°	26805.6	27081.3	27242.8	27353.0	27242.8	27081.3	26805.6	26421.1	25807.4	25064.9	24162.2
7.5°	27303.0	27585.5	27783.2	27938.6	27783.2	27585.5	27303.0	26784.1	26236.6	25537.1	24625.8
5°	27577.6	28049.5	28120.4	28226.1	28120.4	28049.5	27577.6	27107.6	26510.6	25798.8	24909.3
2.5°	27787.1	28121.7	28322.7	28300.6	28322.7	28121.7	27787.1	27234.0	26662.4	26010.3	25148.8
0°	27938.6	28236.7	28311.3	28407.1	28311.3	28236.7	27938.6	27384.9	26788.7	26139.2	25244.8
-2.5°	27787.1	28121.7	28322.7	28300.6	28322.7	28121.7	27787.1	27234.0	26662.4	26010.3	25148.8
-5°	27577.6	28049.5	28120.4	28226.1	28120.4	28049.5	27577.6	27107.6	26510.6	25798.8	24909.3
-7.5°	27303.0	27585.5	27783.2	27938.6	27783.2	27585.5	27303.0	26784.1	26236.6	25537.1	24625.8
-10°	26805.6	27081.3	27242.8	27353.0	27242.8	27081.3	26805.6	26421.1	25807.4	25064.9	24162.2
-12.5°	26232.4	26507.3	26676.4	26756.7	26676.4	26507.3	26232.4	25819.2	25269.6	24440.5	23521.9
-15°	25498.8	25806.1	26022.0	26107.3	26022.0	25806.1	25498.8	25065.7	24467.9	23729.7	22855.1
-17.5°	24597.5	24921.5	25149.0	25212.9	25149.0	24921.5	24597.5	24156.1	23566.5	22883.9	22096.3
-20°	23573.3	23880.0	24064.2	24137.5	24064.2	23880.0	23573.3	23156.3	22593.4	21950.6	21220.5



REPORT NUMBER: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	22441.3	22724.2	22897.9	22966.3	22897.9	22724.2	22441.3	22061.8	21551.1	20947.3	20257.3
-25°	21255.3	21526.1	21714.2	21752.5	21714.2	21526.1	21255.3	20916.6	20455.1	19877.5	19226.5
-27.5°	20052.1	20318.0	20501.4	20517.4	20501.4	20318.0	20052.1	19711.8	19262.7	18736.6	18127.0
-30°	18809.8	19025.8	19147.3	19197.1	19147.3	19025.8	18809.8	18476.9	18051.0	17566.9	17008.4
-32.5°	17528.7	17725.2	17830.2	17844.9	17830.2	17725.2	17528.7	17228.5	16848.7	16406.1	15886.8
-35°	16245.4	16426.9	16529.6	16524.7	16529.6	16426.9	16245.4	15989.5	15659.3	15256.6	14751.7
-37.5°	14979.9	15129.8	15203.4	15204.4	15203.4	15129.8	14979.9	14746.8	14424.0	14026.5	13598.0
-40°	13719.0	13869.6	13939.1	13905.4	13939.1	13869.6	13719.0	13501.9	13211.2	12862.2	12482.6
-42.5°	12489.7	12628.5	12687.2	12638.4	12687.2	12628.5	12489.7	12301.1	12054.5	11760.6	11424.0
-45°	11281.7	11388.6	11429.9	11403.3	11429.9	11388.6	11281.7	11119.6	10902.5	10644.1	10348.8
-47.5°	10094.9	10198.0	10238.0	10210.8	10238.0	10198.0	10094.9	9949.6	9764.0	9529.4	9241.8
-50°	8967.2	9044.5	9075.7	9060.9	9075.7	9044.5	8967.2	8851.8	8694.6	8494.9	8264.2
-52.5°	7904.6	7968.5	7991.2	7974.9	7991.2	7968.5	7904.6	7805.2	7669.6	7499.7	7301.4
-55°	6881.6	6940.7	6963.5	6952.7	6963.5	6940.7	6881.6	6792.8	6675.1	6536.5	6370.9
-57.5°	5914.2	5960.4	5971.2	5951.9	5971.2	5960.4	5914.2	5843.6	5748.8	5636.0	5498.4
-60°	5037.1	5073.1	5091.2	5089.4	5091.2	5073.1	5037.1	4981.6	4907.3	4815.2	4704.1
-62.5°	4226.3	4249.2	4261.9	4258.9	4261.9	4249.2	4226.3	4186.7	4130.9	4060.8	3979.2
-65°	3461.4	3469.5	3466.5	3449.7	3466.5	3469.5	3461.4	3439.5	3404.0	3359.7	3306.2
-67.5°	2792.9	2793.7	2805.6	2810.9	2805.6	2793.7	2792.9	2781.3	2758.7	2729.4	2694.9
-70°	2215.0	2211.5	2216.0	2214.6	2216.0	2211.5	2215.0	2212.5	2205.0	2194.3	2177.9
-72.5°	1722.0	1694.6	1669.9	1639.7	1669.9	1694.6	1722.0	1745.4	1765.8	1777.4	1765.8
-75°	1286.9	1230.9	1197.0	1160.6	1197.0	1230.9	1286.9	1339.6	1389.6	1427.7	1423.9
-77.5°	931.8	860.4	829.8	798.5	829.8	860.4	931.8	999.8	1064.2	1117.3	1121.3
-80°	627.9	562.8	537.2	511.1	537.2	562.8	627.9	690.2	749.2	801.2	815.3
-82.5°	377.0	329.0	313.8	298.1	313.8	329.0	377.0	423.2	467.1	506.8	510.9
-85°	186.7	158.9	148.9	138.4	148.9	158.9	186.7	213.2	238.2	260.7	252.6
-87.5°	34.3	31.8	31.9	31.9	31.9	31.8	34.3	36.7	39.0	41.1	40.6
-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: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	40.0	39.4	38.6	37.8	36.9	35.9	34.9	33.8	32.6	31.4	30.1
85°	243.8	234.3	224.1	213.4	202.2	190.4	177.9	156.0	135.5	116.6	100.3
82.5°	511.9	509.7	502.3	473.4	444.2	414.9	384.1	338.1	293.1	249.2	211.0
80°	825.2	830.7	825.3	777.2	728.4	679.2	627.0	559.8	492.0	427.4	379.0
77.5°	1123.7	1125.0	1115.9	1068.0	1015.3	957.8	892.1	811.3	730.4	648.8	586.5
75°	1416.9	1407.0	1386.8	1342.8	1290.1	1228.1	1163.8	1092.8	1010.0	914.8	833.2
72.5°	1748.8	1726.3	1695.0	1651.7	1600.5	1545.8	1478.9	1400.5	1313.9	1218.8	1132.7
70°	2152.1	2116.5	2069.5	2010.7	1952.9	1892.5	1820.8	1734.6	1633.6	1528.7	1432.7
67.5°	2650.2	2595.4	2528.9	2457.8	2386.1	2302.1	2205.8	2100.6	1996.3	1879.8	1748.2
65°	3239.7	3160.4	3063.8	2972.0	2871.8	2762.7	2639.6	2517.5	2389.9	2250.0	2083.0
62.5°	3887.6	3786.8	3655.6	3522.5	3386.5	3246.5	3095.6	2945.6	2793.2	2628.3	2440.4
60°	4574.2	4424.4	4273.5	4108.3	3928.9	3740.9	3569.4	3387.1	3194.5	3007.8	2801.7
57.5°	5335.6	5151.2	4954.1	4743.4	4520.5	4300.8	4078.8	3849.5	3631.6	3404.1	3170.8
55°	6179.6	5961.8	5714.4	5442.8	5161.5	4906.7	4629.1	4351.0	4088.5	3812.5	3555.4
52.5°	7078.6	6817.8	6530.9	6222.4	5902.5	5571.3	5234.0	4914.6	4572.9	4260.4	3949.8
50°	8005.5	7706.7	7376.0	7021.6	6665.8	6282.0	5896.0	5512.1	5124.9	4741.7	4369.5
47.5°	8947.0	8623.3	8255.8	7863.6	7456.2	7027.7	6588.3	6126.6	5698.3	5253.9	4831.0
45°	9981.7	9582.4	9170.6	8738.7	8272.9	7800.1	7307.2	6801.7	6286.5	5797.7	5301.8
42.5°	11022.6	10573.5	10097.1	9622.2	9114.1	8584.6	8034.8	7477.7	6911.6	6347.8	5806.0
40°	12059.3	11573.5	11054.1	10511.2	9957.2	9373.8	8772.0	8152.2	7537.4	6917.5	6304.5
37.5°	13119.8	12594.9	12032.2	11434.4	10813.8	10167.5	9505.3	8834.4	8156.4	7489.4	6824.5
35°	14207.5	13632.9	13011.9	12358.9	11675.9	10968.4	10241.9	9507.2	8778.0	8056.5	7336.0
32.5°	15285.4	14662.8	13993.4	13278.6	12526.7	11756.7	10975.7	10182.3	9384.1	8613.7	7846.4
30°	16372.5	15683.1	14957.7	14185.6	13370.4	12531.9	11685.8	10845.2	9994.5	9146.8	8335.2
27.5°	17437.5	16685.1	15896.9	15062.2	14191.2	13291.6	12382.5	11485.4	10578.0	9676.7	8801.6
25°	18474.0	17661.7	16792.2	15900.5	14977.1	14018.2	13041.1	12091.9	11144.4	10179.9	9220.2
22.5°	19471.6	18582.2	17645.1	16691.2	15719.8	14712.2	13670.3	12647.4	11666.9	10631.1	9628.2
20°	20391.5	19436.6	18435.9	17431.2	16403.8	15372.9	14256.5	13168.4	12113.7	11050.3	9998.1
17.5°	21207.7	20237.6	19187.8	18128.9	17035.0	15949.6	14804.4	13642.5	12525.0	11422.6	10323.6
15°	21927.0	20957.8	19894.8	18778.1	17610.2	16424.8	15268.3	14061.5	12899.7	11751.9	10624.6
12.5°	22580.3	21565.6	20504.0	19323.1	18083.3	16846.5	15643.8	14428.6	13233.1	12053.2	10895.4
10°	23166.7	22063.5	20940.2	19743.5	18479.1	17202.4	15963.9	14737.3	13516.7	12311.0	11118.6
7.5°	23568.6	22432.9	21272.2	20079.6	18813.1	17516.5	16240.6	14985.3	13737.8	12516.5	11292.8
5°	23865.3	22724.4	21560.1	20350.7	19072.6	17750.9	16444.7	15165.1	13895.3	12666.8	11416.8
2.5°	24093.1	22923.8	21756.5	20520.3	19240.4	17909.2	16590.8	15300.3	14020.3	12776.9	11526.5
0°	24254.6	22998.2	21869.6	20655.8	19346.2	18004.6	16684.4	15385.4	14097.1	12830.0	11584.3
-2.5°	24093.1	22923.8	21756.5	20520.3	19240.4	17909.2	16590.8	15300.3	14020.3	12776.9	11526.5
-5°	23865.3	22724.4	21560.1	20350.7	19072.6	17750.9	16444.7	15165.1	13895.3	12666.8	11416.8
-7.5°	23568.6	22432.9	21272.2	20079.6	18813.1	17516.5	16240.6	14985.3	13737.8	12516.5	11292.8
-10°	23166.7	22063.5	20940.2	19743.5	18479.1	17202.4	15963.9	14737.3	13516.7	12311.0	11118.6
-12.5°	22580.3	21565.6	20504.0	19323.1	18083.3	16846.5	15643.8	14428.6	13233.1	12053.2	10895.4
-15°	21927.0	20957.8	19894.8	18778.1	17610.2	16424.8	15268.3	14061.5	12899.7	11751.9	10624.6
-17.5°	21207.7	20237.6	19187.8	18128.9	17035.0	15949.6	14804.4	13642.5	12525.0	11422.6	10323.6
-20°	20391.5	19436.6	18435.9	17431.2	16403.8	15372.9	14256.5	13168.4	12113.7	11050.3	9998.1



REPORT NUMBER: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	19471.6	18582.2	17645.1	16691.2	15719.8	14712.2	13670.3	12647.4	11666.9	10631.1	9628.2
-25°	18474.0	17661.7	16792.2	15900.5	14977.1	14018.2	13041.1	12091.9	11144.4	10179.9	9220.2
-27.5°	17437.5	16685.1	15896.9	15062.2	14191.2	13291.6	12382.5	11485.4	10578.0	9676.7	8801.6
-30°	16372.5	15683.1	14957.7	14185.6	13370.4	12531.9	11685.8	10845.2	9994.5	9146.8	8335.2
-32.5°	15285.4	14662.8	13993.4	13278.6	12526.7	11756.7	10975.7	10182.3	9384.1	8613.7	7846.4
-35°	14207.5	13632.9	13011.9	12358.9	11675.9	10968.4	10241.9	9507.2	8778.0	8056.5	7336.0
-37.5°	13119.8	12594.9	12032.2	11434.4	10813.8	10167.5	9505.3	8834.4	8156.4	7489.4	6824.5
-40°	12059.3	11573.5	11054.1	10511.2	9957.2	9373.8	8772.0	8152.2	7537.4	6917.5	6304.5
-42.5°	11022.6	10573.5	10097.1	9622.2	9114.1	8584.6	8034.8	7477.7	6911.6	6347.8	5806.0
-45°	9981.7	9582.4	9170.6	8738.7	8272.9	7800.1	7307.2	6801.7	6286.5	5797.7	5301.8
-47.5°	8947.0	8623.3	8255.8	7863.6	7456.2	7027.7	6588.3	6126.6	5698.3	5253.9	4831.0
-50°	8005.5	7706.7	7376.0	7021.6	6665.8	6282.0	5896.0	5512.1	5124.9	4741.7	4369.5
-52.5°	7078.6	6817.8	6530.9	6222.4	5902.5	5571.3	5234.0	4914.6	4572.9	4260.4	3949.8
-55°	6179.6	5961.8	5714.4	5442.8	5161.5	4906.7	4629.1	4351.0	4088.5	3812.5	3555.4
-57.5°	5335.6	5151.2	4954.1	4743.4	4520.5	4300.8	4078.8	3849.5	3631.6	3404.1	3170.8
-60°	4574.2	4424.4	4273.5	4108.3	3928.9	3740.9	3569.4	3387.1	3194.5	3007.8	2801.7
-62.5°	3887.6	3786.8	3655.6	3522.5	3386.5	3246.5	3095.6	2945.6	2793.2	2628.3	2440.4
-65°	3239.7	3160.4	3063.8	2972.0	2871.8	2762.7	2639.6	2517.5	2389.9	2250.0	2083.0
-67.5°	2650.2	2595.4	2528.9	2457.8	2386.1	2302.1	2205.8	2100.6	1996.3	1879.8	1748.2
-70°	2152.1	2116.5	2069.5	2010.7	1952.9	1892.5	1820.8	1734.6	1633.6	1528.7	1432.7
-72.5°	1748.8	1726.3	1695.0	1651.7	1600.5	1545.8	1478.9	1400.5	1313.9	1218.8	1132.7
-75°	1416.9	1407.0	1386.8	1342.8	1290.1	1228.1	1163.8	1092.8	1010.0	914.8	833.2
-77.5°	1123.7	1125.0	1115.9	1068.0	1015.3	957.8	892.1	811.3	730.4	648.8	586.5
-80°	825.2	830.7	825.3	777.2	728.4	679.2	627.0	559.8	492.0	427.4	379.0
-82.5°	511.9	509.7	502.3	473.4	444.2	414.9	384.1	338.1	293.1	249.2	211.0
-85°	243.8	234.3	224.1	213.4	202.2	190.4	177.9	156.0	135.5	116.6	100.3
-87.5°	40.0	39.4	38.6	37.8	36.9	35.9	34.9	33.8	32.6	31.4	30.1
-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: P628011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	30.6	30.8	30.8	30.5	27.1	23.9	20.9	18.0	16.3	14.6	12.8
85°	100.7	98.2	92.9	84.2	66.3	47.8	41.7	36.0	32.6	29.1	25.6
82.5°	210.3	212.4	212.2	205.9	181.7	156.2	129.6	101.9	75.5	48.0	38.3
80°	379.6	375.5	366.6	349.3	309.5	264.5	230.7	195.7	161.3	125.6	88.3
77.5°	573.9	557.6	537.5	514.8	472.6	423.0	365.9	301.4	246.8	202.7	156.9
75°	791.1	765.0	736.9	699.0	644.8	582.7	520.0	444.8	361.1	282.3	225.0
72.5°	1063.5	1000.3	943.8	890.7	831.9	762.6	682.7	585.6	484.0	388.1	298.1
70°	1339.4	1244.6	1160.0	1087.6	1016.8	944.2	856.4	736.8	604.7	491.7	385.8
67.5°	1619.5	1507.5	1394.3	1285.9	1196.5	1111.0	1026.3	887.3	735.8	593.2	471.5
65°	1928.8	1779.1	1635.3	1501.4	1380.1	1273.3	1173.9	1028.1	863.1	702.6	554.9
62.5°	2247.2	2056.4	1886.1	1715.3	1564.2	1434.3	1314.9	1154.1	984.7	808.5	642.0
60°	2582.0	2364.7	2138.3	1938.9	1753.7	1589.4	1444.8	1278.3	1098.5	910.3	728.4
57.5°	2934.5	2679.1	2424.8	2172.7	1950.2	1753.2	1571.2	1396.0	1210.3	1010.8	809.0
55°	3291.7	3016.6	2715.8	2431.6	2158.7	1924.2	1704.9	1509.0	1318.3	1109.5	878.5
52.5°	3649.3	3347.1	3024.3	2696.0	2390.6	2097.0	1852.1	1619.1	1417.8	1206.1	950.9
50°	4023.5	3676.9	3331.0	2976.4	2621.2	2299.6	1994.1	1745.3	1514.2	1297.7	1019.6
47.5°	4412.8	4026.7	3641.8	3254.2	2873.3	2493.3	2160.0	1868.9	1607.6	1380.7	1083.5
45°	4839.6	4388.0	3961.9	3542.9	3112.1	2702.7	2327.9	1987.2	1713.3	1445.2	1142.4
42.5°	5266.0	4769.5	4293.4	3827.2	3362.0	2910.7	2487.1	2126.5	1814.4	1507.0	1196.5
40°	5719.6	5152.2	4624.4	4118.6	3606.1	3108.6	2663.4	2262.2	1909.1	1571.3	1247.8
37.5°	6160.7	5544.5	4964.5	4396.9	3845.3	3322.3	2832.9	2389.5	1998.9	1643.3	1296.5
35°	6627.5	5938.6	5278.9	4676.9	4091.4	3524.9	2991.6	2517.8	2102.4	1713.6	1342.3
32.5°	7078.5	6324.0	5616.5	4953.2	4326.5	3715.9	3154.9	2653.6	2201.9	1781.8	1385.1
30°	7521.8	6710.9	5940.0	5214.4	4554.2	3916.2	3318.6	2780.6	2297.0	1847.6	1428.0
27.5°	7930.4	7069.2	6250.1	5484.5	4778.0	4106.3	3473.2	2898.3	2387.2	1915.3	1477.8
25°	8311.1	7413.9	6555.7	5744.3	4985.8	4286.3	3615.7	3007.4	2479.1	1986.0	1524.1
22.5°	8668.2	7734.0	6832.8	5983.7	5178.1	4451.6	3754.4	3123.3	2566.0	2051.0	1566.5
20°	8992.8	8022.2	7080.9	6200.7	5365.4	4609.2	3888.0	3227.4	2643.7	2110.0	1604.6
17.5°	9285.2	8285.7	7317.7	6403.5	5539.6	4749.1	4006.7	3319.1	2711.9	2162.5	1638.2
15°	9556.7	8525.1	7527.0	6580.5	5690.6	4871.0	4110.0	3398.2	2770.3	2208.2	1670.2
12.5°	9790.0	8730.5	7704.6	6730.9	5817.6	4974.1	4197.3	3464.4	2818.9	2249.6	1700.3
10°	9982.0	8900.3	7849.6	6853.9	5920.5	5058.2	4268.3	3520.2	2864.4	2285.2	1723.5
7.5°	10131.6	9033.1	7961.4	6948.7	6002.0	5128.3	4328.8	3568.5	2901.1	2312.7	1739.7
5°	10244.9	9137.0	8058.6	7028.2	6077.0	5185.1	4372.7	3603.0	2927.7	2331.6	1748.9
2.5°	10345.6	9214.8	8135.0	7079.8	6128.0	5222.0	4399.2	3623.8	2943.9	2341.6	1751.1
0°	10402.4	9252.5	8177.2	7101.8	6154.2	5238.5	4408.0	3630.7	2949.3	2342.4	1746.2
-2.5°	10345.6	9214.8	8135.0	7079.8	6128.0	5222.0	4399.2	3623.8	2943.9	2341.6	1751.1
-5°	10244.9	9137.0	8058.6	7028.2	6077.0	5185.1	4372.7	3603.0	2927.7	2331.6	1748.9
-7.5°	10131.6	9033.1	7961.4	6948.7	6002.0	5128.3	4328.8	3568.5	2901.1	2312.7	1739.7
-10°	9982.0	8900.3	7849.6	6853.9	5920.5	5058.2	4268.3	3520.2	2864.4	2285.2	1723.5
-12.5°	9790.0	8730.5	7704.6	6730.9	5817.6	4974.1	4197.3	3464.4	2818.9	2249.6	1700.3
-15°	9556.7	8525.1	7527.0	6580.5	5690.6	4871.0	4110.0	3398.2	2770.3	2208.2	1670.2
-17.5°	9285.2	8285.7	7317.7	6403.5	5539.6	4749.1	4006.7	3319.1	2711.9	2162.5	1638.2
-20°	8992.8	8022.2	7080.9	6200.7	5365.4	4609.2	3888.0	3227.4	2643.7	2110.0	1604.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	8668.2	7734.0	6832.8	5983.7	5178.1	4451.6	3754.4	3123.3	2566.0	2051.0	1566.5
-25°	8311.1	7413.9	6555.7	5744.3	4985.8	4286.3	3615.7	3007.4	2479.1	1986.0	1524.1
-27.5°	7930.4	7069.2	6250.1	5484.5	4778.0	4106.3	3473.2	2898.3	2387.2	1915.3	1477.8
-30°	7521.8	6710.9	5940.0	5214.4	4554.2	3916.2	3318.6	2780.6	2297.0	1847.6	1428.0
-32.5°	7078.5	6324.0	5616.5	4953.2	4326.5	3715.9	3154.9	2653.6	2201.9	1781.8	1385.1
-35°	6627.5	5938.6	5278.9	4676.9	4091.4	3524.9	2991.6	2517.8	2102.4	1713.6	1342.3
-37.5°	6160.7	5544.5	4964.5	4396.9	3845.3	3322.3	2832.9	2389.5	1998.9	1643.3	1296.5
-40°	5719.6	5152.2	4624.4	4118.6	3606.1	3108.6	2663.4	2262.2	1909.1	1571.3	1247.8
-42.5°	5266.0	4769.5	4293.4	3827.2	3362.0	2910.7	2487.1	2126.5	1814.4	1507.0	1196.5
-45°	4839.6	4388.0	3961.9	3542.9	3112.1	2702.7	2327.9	1987.2	1713.3	1445.2	1142.4
-47.5°	4412.8	4026.7	3641.8	3254.2	2873.3	2493.3	2160.0	1868.9	1607.6	1380.7	1083.5
-50°	4023.5	3676.9	3331.0	2976.4	2621.2	2299.6	1994.1	1745.3	1514.2	1297.7	1019.6
-52.5°	3649.3	3347.1	3024.3	2696.0	2390.6	2097.0	1852.1	1619.1	1417.8	1206.1	950.9
-55°	3291.7	3016.6	2715.8	2431.6	2158.7	1924.2	1704.9	1509.0	1318.3	1109.5	878.5
-57.5°	2934.5	2679.1	2424.8	2172.7	1950.2	1753.2	1571.2	1396.0	1210.3	1010.8	809.0
-60°	2582.0	2364.7	2138.3	1938.9	1753.7	1589.4	1444.8	1278.3	1098.5	910.3	728.4
-62.5°	2247.2	2056.4	1886.1	1715.3	1564.2	1434.3	1314.9	1154.1	984.7	808.5	642.0
-65°	1928.8	1779.1	1635.3	1501.4	1380.1	1273.3	1173.9	1028.1	863.1	702.6	554.9
-67.5°	1619.5	1507.5	1394.3	1285.9	1196.5	1111.0	1026.3	887.3	735.8	593.2	471.5
-70°	1339.4	1244.6	1160.0	1087.6	1016.8	944.2	856.4	736.8	604.7	491.7	385.8
-72.5°	1063.5	1000.3	943.8	890.7	831.9	762.6	682.7	585.6	484.0	388.1	298.1
-75°	791.1	765.0	736.9	699.0	644.8	582.7	520.0	444.8	361.1	282.3	225.0
-77.5°	573.9	557.6	537.5	514.8	472.6	423.0	365.9	301.4	246.8	202.7	156.9
-80°	379.6	375.5	366.6	349.3	309.5	264.5	230.7	195.7	161.3	125.6	88.3
-82.5°	210.3	212.4	212.2	205.9	181.7	156.2	129.6	101.9	75.5	48.0	38.3
-85°	100.7	98.2	92.9	84.2	66.3	47.8	41.7	36.0	32.6	29.1	25.6
-87.5°	30.6	30.8	30.8	30.5	27.1	23.9	20.9	18.0	16.3	14.6	12.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Cooper Lighting Solutions Photometric Lab
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.0	9.2	7.4	5.6	3.7	1.6	0.0
85°	22.0	18.4	14.8	11.1	7.4	3.2	0.0
82.5°	33.0	27.6	22.1	16.6	11.1	4.9	0.0
80°	49.6	36.7	29.4	22.1	14.7	6.5	0.0
77.5°	108.1	57.5	36.7	27.6	18.3	8.0	0.0
75°	165.1	99.5	47.8	33.0	21.8	9.6	0.0
72.5°	220.4	140.3	76.2	38.3	25.3	11.1	0.0
70°	275.7	179.7	103.7	45.9	28.7	12.6	0.0
67.5°	342.1	217.4	130.1	62.9	31.9	14.1	0.0
65°	405.5	259.6	155.3	79.2	35.1	15.5	0.0
62.5°	465.8	305.8	179.2	94.8	38.2	16.9	0.0
60°	522.5	349.6	201.6	109.5	41.1	18.3	0.0
57.5°	582.3	390.7	231.5	123.4	49.4	19.6	0.0
55°	639.0	428.9	260.1	136.3	57.5	20.8	0.0
52.5°	691.4	465.2	286.6	148.3	65.3	22.0	0.0
50°	739.4	503.7	311.0	159.2	72.7	23.1	0.0
47.5°	784.4	538.8	333.3	170.5	79.8	24.2	0.0
45°	834.5	570.6	353.3	185.3	86.6	25.2	0.0
42.5°	880.4	598.8	371.0	198.7	93.0	26.2	0.0
40°	922.0	623.4	388.9	212.4	99.0	27.1	0.0
37.5°	959.3	644.5	406.5	225.9	104.6	27.9	0.0
35°	992.1	668.8	421.7	238.5	109.8	28.6	0.0
32.5°	1022.6	693.1	434.4	250.2	114.7	29.3	0.0
30°	1054.2	713.9	444.6	260.8	119.0	29.9	0.0
27.5°	1082.6	731.1	459.8	270.4	123.0	30.5	0.0
25°	1107.6	744.8	474.1	279.1	126.6	31.0	0.0
22.5°	1129.0	758.5	486.6	286.7	129.7	31.4	0.0
20°	1146.7	777.4	497.5	293.3	132.4	31.7	0.0
17.5°	1168.8	792.8	506.6	298.8	134.6	32.0	0.0
15°	1191.8	804.8	513.9	303.3	136.5	32.2	0.0
12.5°	1210.5	813.4	519.5	306.8	137.9	32.3	0.0
10°	1224.8	818.8	523.3	309.2	138.8	32.3	0.0
7.5°	1234.5	820.9	525.5	310.6	139.3	32.3	0.0
5°	1239.5	820.0	525.9	311.0	139.4	32.2	0.0
2.5°	1239.8	816.0	524.6	310.4	139.1	32.1	0.0
0°	1235.1	809.2	521.7	308.8	138.4	31.9	0.0
-2.5°	1239.8	816.0	524.6	310.4	139.1	32.1	0.0
-5°	1239.5	820.0	525.9	311.0	139.4	32.2	0.0
-7.5°	1234.5	820.9	525.5	310.6	139.3	32.3	0.0
-10°	1224.8	818.8	523.3	309.2	138.8	32.3	0.0
-12.5°	1210.5	813.4	519.5	306.8	137.9	32.3	0.0
-15°	1191.8	804.8	513.9	303.3	136.5	32.2	0.0
-17.5°	1168.8	792.8	506.6	298.8	134.6	32.0	0.0
-20°	1146.7	777.4	497.5	293.3	132.4	31.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1129.0	758.5	486.6	286.7	129.7	31.4	0.0
-25°	1107.6	744.8	474.1	279.1	126.6	31.0	0.0
-27.5°	1082.6	731.1	459.8	270.4	123.0	30.5	0.0
-30°	1054.2	713.9	444.6	260.8	119.0	29.9	0.0
-32.5°	1022.6	693.1	434.4	250.2	114.7	29.3	0.0
-35°	992.1	668.8	421.7	238.5	109.8	28.6	0.0
-37.5°	959.3	644.5	406.5	225.9	104.6	27.9	0.0
-40°	922.0	623.4	388.9	212.4	99.0	27.1	0.0
-42.5°	880.4	598.8	371.0	198.7	93.0	26.2	0.0
-45°	834.5	570.6	353.3	185.3	86.6	25.2	0.0
-47.5°	784.4	538.8	333.3	170.5	79.8	24.2	0.0
-50°	739.4	503.7	311.0	159.2	72.7	23.1	0.0
-52.5°	691.4	465.2	286.6	148.3	65.3	22.0	0.0
-55°	639.0	428.9	260.1	136.3	57.5	20.8	0.0
-57.5°	582.3	390.7	231.5	123.4	49.4	19.6	0.0
-60°	522.5	349.6	201.6	109.5	41.1	18.3	0.0
-62.5°	465.8	305.8	179.2	94.8	38.2	16.9	0.0
-65°	405.5	259.6	155.3	79.2	35.1	15.5	0.0
-67.5°	342.1	217.4	130.1	62.9	31.9	14.1	0.0
-70°	275.7	179.7	103.7	45.9	28.7	12.6	0.0
-72.5°	220.4	140.3	76.2	38.3	25.3	11.1	0.0
-75°	165.1	99.5	47.8	33.0	21.8	9.6	0.0
-77.5°	108.1	57.5	36.7	27.6	18.3	8.0	0.0
-80°	49.6	36.7	29.4	22.1	14.7	6.5	0.0
-82.5°	33.0	27.6	22.1	16.6	11.1	4.9	0.0
-85°	22.0	18.4	14.8	11.1	7.4	3.2	0.0
-87.5°	11.0	9.2	7.4	5.6	3.7	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)