

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



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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-727-U-VWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627681 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-727-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N115
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

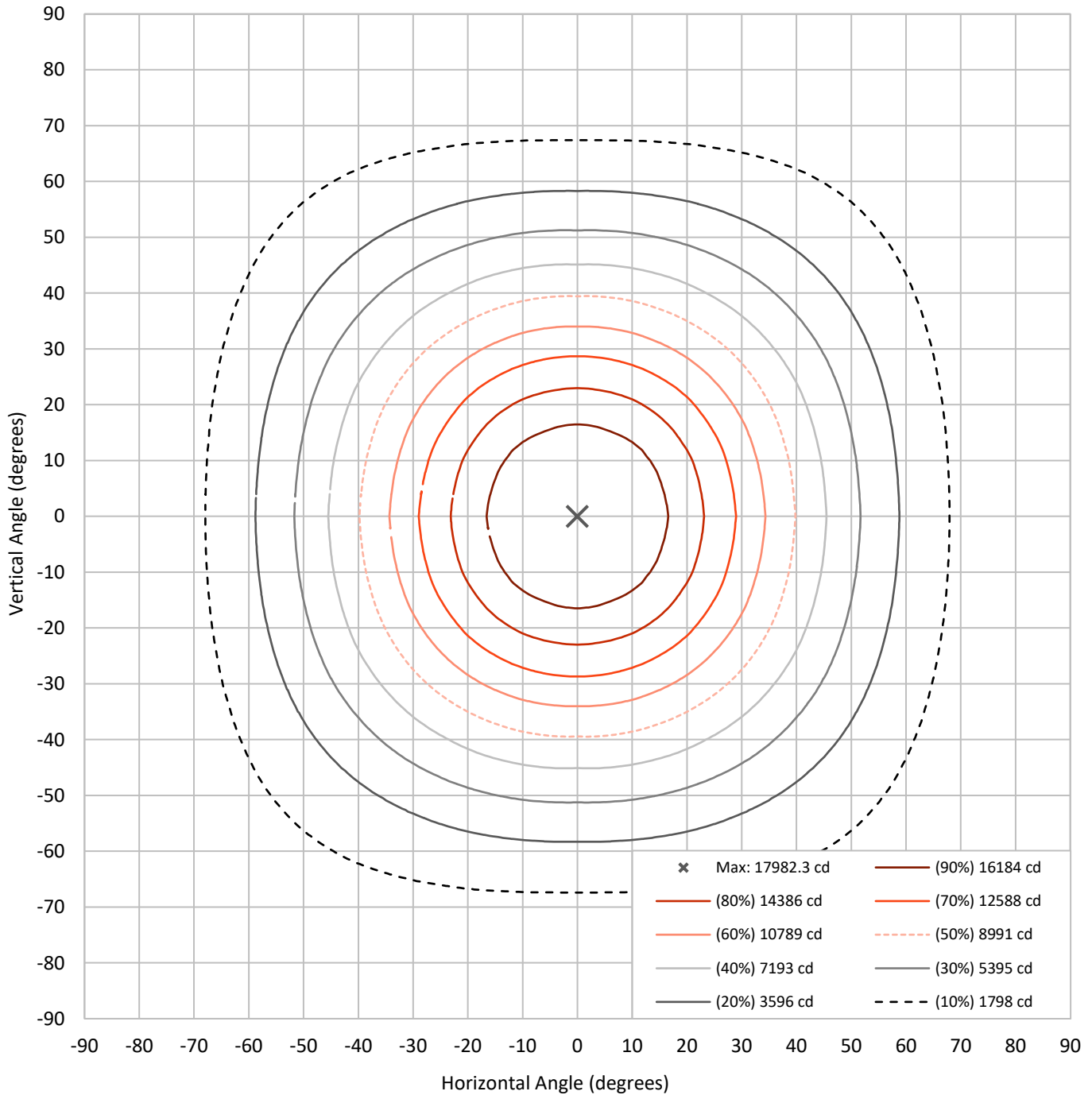
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	32501.5 lumens	Max Intensity:	17982.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.8 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:	19062.3 lumens	Field Lumens:	30984.7 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	271.3		
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





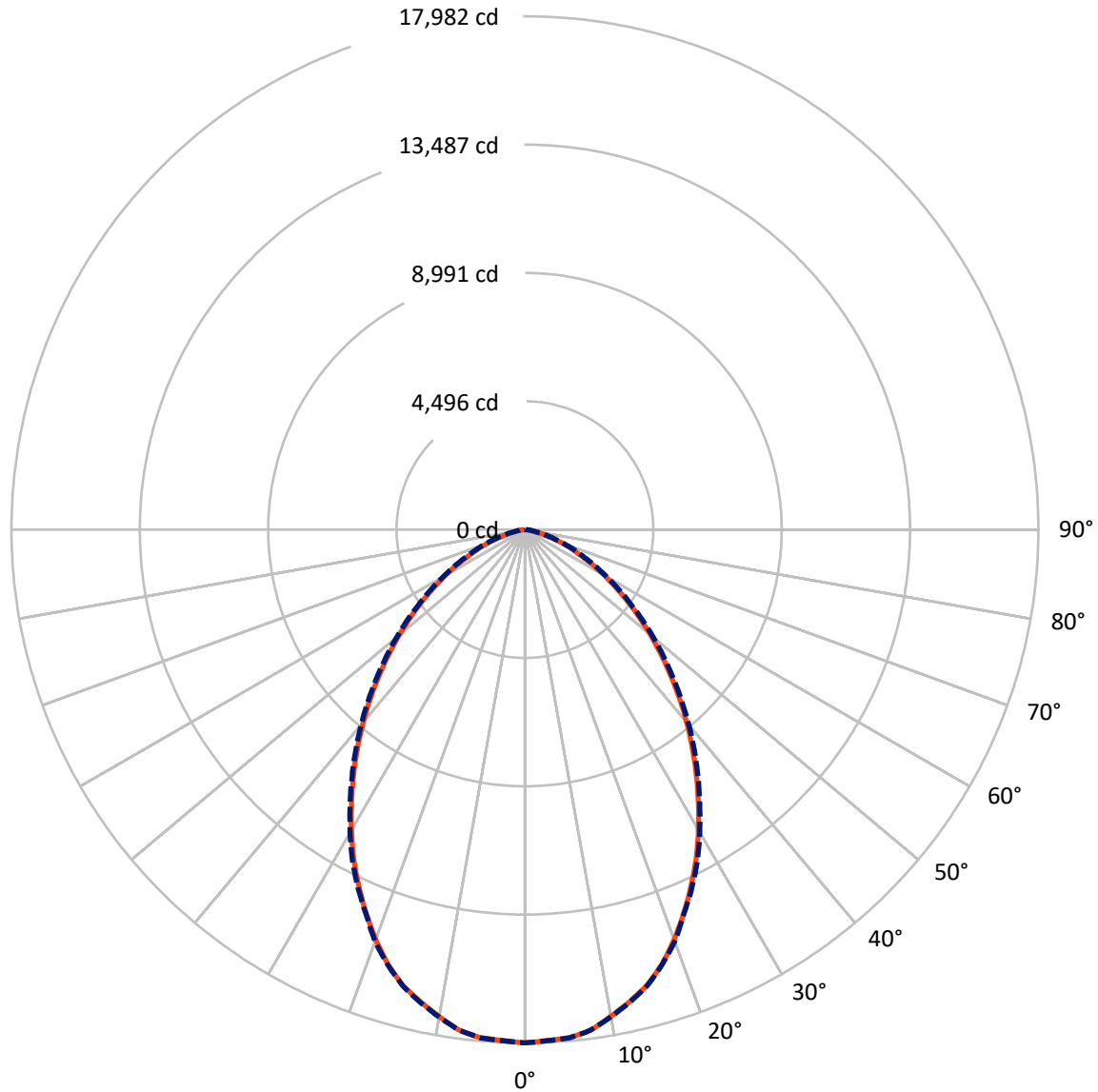
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Lumen Table

90																			
80	1.1	13.3	36.3	61.6	58.0	61.6	36.3	13.3	1.1										
70																			
60	6.0	8.3	16.8	28.7	42.0	54.2	63.4	67.8	67.8	63.4	54.2	42.0	28.7	16.8	8.3	6.0			
50		12.5	27.3	48.8	73.8	100.3	122.1	133.5	133.5	122.1	100.3	73.8	48.8	27.3	12.5				
40	10.6	16.8	39.5	73.0	115.6	160.2	197.7	218.1	218.1	197.7	160.2	115.6	73.0	39.5	16.8	10.6			
30		21.2	52.4	100.5	161.8	226.9	282.5	314.0	314.0	282.5	226.9	161.8	100.5	52.4	21.2				
20	13.7	25.4	64.4	126.3	206.0	292.5	367.9	411.2	411.2	367.9	292.5	206.0	126.3	64.4	25.4	13.7			
10		28.7	73.7	145.6	240.5	345.7	438.4	491.1	491.1	438.4	345.7	240.5	145.6	73.7	28.7				
0	14.8	30.4	78.9	156.6	259.7	375.1	476.5	532.0	532.0	476.5	375.1	259.7	156.6	78.9	30.4	14.8			
-10		30.4	78.9	156.6	259.7	375.1	476.5	532.0	532.0	476.5	375.1	259.7	156.6	78.9	30.4				
-20	13.7	28.7	73.7	145.6	240.5	345.7	438.4	491.1	491.1	438.4	345.7	240.5	145.6	73.7	28.7	13.7			
-30		25.4	64.4	126.3	206.0	292.5	367.9	411.2	411.2	367.9	292.5	206.0	126.3	64.4	25.4				
-40	10.6	21.2	52.4	100.5	161.8	226.9	282.5	314.0	314.0	282.5	226.9	161.8	100.5	52.4	21.2	10.6			
-50		16.8	39.5	73.0	115.6	160.2	197.7	218.1	218.1	197.7	160.2	115.6	73.0	39.5	16.8				
-60	6.0	12.5	27.3	48.8	73.8	100.3	122.1	133.5	133.5	122.1	100.3	73.8	48.8	27.3	12.5	6.0			
-70		8.3	16.8	28.7	42.0	54.2	63.4	67.8	67.8	63.4	54.2	42.0	28.7	16.8	8.3				
-80	1.1	13.3	36.3	61.6	58.0	61.6	36.3	13.3	1.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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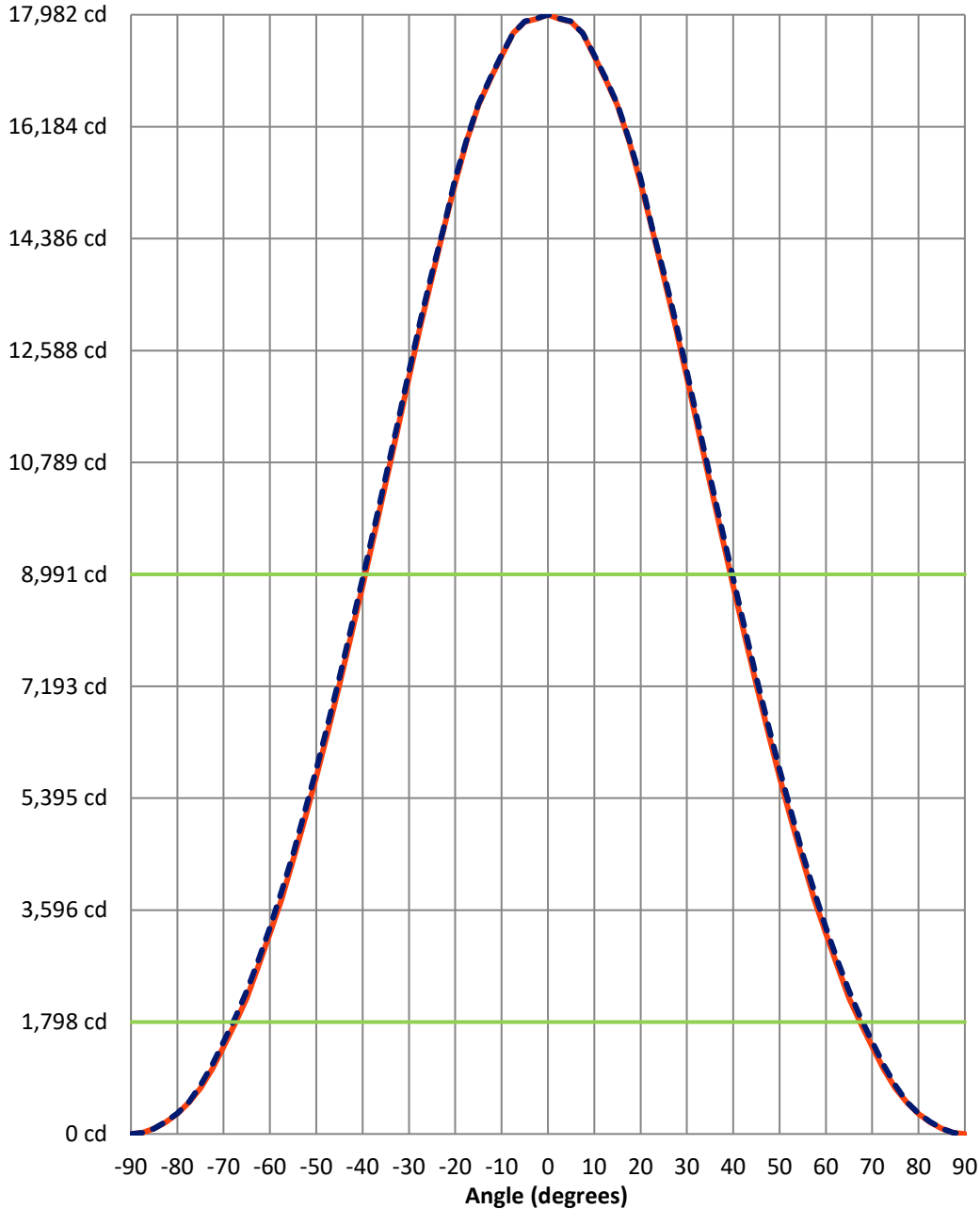
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 19062.3
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 30984.7
 Efficiency: 95.3%

Spill:
 Lumens: 1516.9
 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	1.0	2.4	3.5	4.7	5.8	7.0	8.1	9.2	10.3	11.4
85°	0.0	2.1	4.7	7.0	9.4	11.7	14.0	16.2	18.4	20.6	22.8
82.5°	0.0	3.1	7.0	10.5	14.0	17.5	20.9	24.3	30.4	47.8	64.5
80°	0.0	4.1	9.3	14.0	18.7	23.3	31.5	55.9	79.5	102.1	123.9
77.5°	0.0	5.1	11.6	17.5	23.3	36.4	68.4	99.3	128.3	156.2	190.8
75°	0.0	6.1	13.8	20.9	30.3	63.0	104.5	142.4	178.7	228.6	281.5
72.5°	0.0	7.0	16.0	24.3	48.3	88.8	139.5	188.7	245.7	306.4	370.7
70°	0.0	8.0	18.2	29.1	65.6	113.7	174.5	244.2	311.3	382.8	466.4
67.5°	0.0	8.9	20.2	39.8	82.4	137.6	216.5	298.5	375.5	465.8	561.7
65°	0.0	9.8	22.3	50.2	98.3	164.3	256.7	351.3	444.8	546.3	650.8
62.5°	0.0	10.7	24.2	60.0	113.4	193.6	294.9	406.4	511.8	623.3	730.5
60°	0.0	11.6	26.1	69.3	127.6	221.3	330.8	461.1	576.3	695.4	809.1
57.5°	0.0	12.4	31.3	78.1	146.6	247.3	368.6	512.1	639.9	766.2	883.7
55°	0.0	13.2	36.4	86.3	164.6	271.5	404.5	556.1	702.4	834.6	955.2
52.5°	0.0	13.9	41.3	93.9	181.4	294.5	437.7	601.9	763.5	897.5	1024.9
50°	0.0	14.7	46.1	100.8	196.9	318.8	468.1	645.4	821.5	958.5	1104.8
47.5°	0.0	15.3	50.6	107.9	211.0	341.1	496.5	685.9	874.0	1017.6	1183.0
45°	0.0	16.0	54.8	117.3	223.7	361.2	528.2	723.2	914.9	1084.5	1257.9
42.5°	0.0	16.6	58.9	125.8	234.9	379.0	557.3	757.5	954.0	1148.5	1346.1
40°	0.0	17.1	62.7	134.4	246.2	394.6	583.7	789.9	994.6	1208.4	1432.0
37.5°	0.0	17.7	66.2	143.0	257.4	408.0	607.3	820.7	1040.3	1265.3	1512.6
35°	0.0	18.1	69.5	151.0	267.0	423.4	628.1	849.7	1084.7	1330.9	1593.8
32.5°	0.0	18.6	72.6	158.4	275.0	438.8	647.3	876.8	1127.9	1393.8	1679.8
30°	0.0	19.0	75.4	165.1	281.4	451.9	667.4	904.0	1169.6	1454.0	1760.2
27.5°	0.0	19.3	77.9	171.2	291.1	462.8	685.3	935.5	1212.4	1511.2	1834.7
25°	0.0	19.6	80.1	176.7	300.1	471.5	701.1	964.8	1257.2	1569.3	1903.7
22.5°	0.0	19.9	82.1	181.5	308.1	480.2	714.7	991.6	1298.3	1624.3	1977.1
20°	0.0	20.1	83.8	185.7	314.9	492.1	725.9	1015.8	1335.7	1673.5	2043.0
17.5°	0.0	20.2	85.2	189.2	320.7	501.8	739.9	1037.0	1368.9	1716.7	2101.1
15°	0.0	20.4	86.4	192.0	325.3	509.4	754.4	1057.3	1397.9	1753.7	2151.2
12.5°	0.0	20.4	87.3	194.2	328.9	514.9	766.3	1076.3	1424.0	1784.4	2193.1
10°	0.0	20.5	87.9	195.8	331.3	518.3	775.3	1091.0	1446.6	1813.3	2228.4
7.5°	0.0	20.5	88.2	196.7	332.7	519.6	781.4	1101.3	1464.0	1836.5	2258.9
5°	0.0	20.4	88.3	196.9	332.9	519.0	784.6	1107.1	1476.0	1853.3	2280.8
2.5°	0.0	20.3	88.1	196.5	332.2	516.5	784.7	1108.5	1482.3	1863.6	2293.9
0°	0.0	20.2	87.6	195.5	330.3	512.2	781.8	1105.4	1482.8	1867.0	2298.3
-2.5°	0.0	20.3	88.1	196.5	332.2	516.5	784.7	1108.5	1482.3	1863.6	2293.9
-5°	0.0	20.4	88.3	196.9	332.9	519.0	784.6	1107.1	1476.0	1853.3	2280.8
-7.5°	0.0	20.5	88.2	196.7	332.7	519.6	781.4	1101.3	1464.0	1836.5	2258.9
-10°	0.0	20.5	87.9	195.8	331.3	518.3	775.3	1091.0	1446.6	1813.3	2228.4
-12.5°	0.0	20.4	87.3	194.2	328.9	514.9	766.3	1076.3	1424.0	1784.4	2193.1
-15°	0.0	20.4	86.4	192.0	325.3	509.4	754.4	1057.3	1397.9	1753.7	2151.2
-17.5°	0.0	20.2	85.2	189.2	320.7	501.8	739.9	1037.0	1368.9	1716.7	2101.1
-20°	0.0	20.1	83.8	185.7	314.9	492.1	725.9	1015.8	1335.7	1673.5	2043.0

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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	19.9	82.1	181.5	308.1	480.2	714.7	991.6	1298.3	1624.3	1977.1
-25°	0.0	19.6	80.1	176.7	300.1	471.5	701.1	964.8	1257.2	1569.3	1903.7
-27.5°	0.0	19.3	77.9	171.2	291.1	462.8	685.3	935.5	1212.4	1511.2	1834.7
-30°	0.0	19.0	75.4	165.1	281.4	451.9	667.4	904.0	1169.6	1454.0	1760.2
-32.5°	0.0	18.6	72.6	158.4	275.0	438.8	647.3	876.8	1127.9	1393.8	1679.8
-35°	0.0	18.1	69.5	151.0	267.0	423.4	628.1	849.7	1084.7	1330.9	1593.8
-37.5°	0.0	17.7	66.2	143.0	257.4	408.0	607.3	820.7	1040.3	1265.3	1512.6
-40°	0.0	17.1	62.7	134.4	246.2	394.6	583.7	789.9	994.6	1208.4	1432.0
-42.5°	0.0	16.6	58.9	125.8	234.9	379.0	557.3	757.5	954.0	1148.5	1346.1
-45°	0.0	16.0	54.8	117.3	223.7	361.2	528.2	723.2	914.9	1084.5	1257.9
-47.5°	0.0	15.3	50.6	107.9	211.0	341.1	496.5	685.9	874.0	1017.6	1183.0
-50°	0.0	14.7	46.1	100.8	196.9	318.8	468.1	645.4	821.5	958.5	1104.8
-52.5°	0.0	13.9	41.3	93.9	181.4	294.5	437.7	601.9	763.5	897.5	1024.9
-55°	0.0	13.2	36.4	86.3	164.6	271.5	404.5	556.1	702.4	834.6	955.2
-57.5°	0.0	12.4	31.3	78.1	146.6	247.3	368.6	512.1	639.9	766.2	883.7
-60°	0.0	11.6	26.1	69.3	127.6	221.3	330.8	461.1	576.3	695.4	809.1
-62.5°	0.0	10.7	24.2	60.0	113.4	193.6	294.9	406.4	511.8	623.3	730.5
-65°	0.0	9.8	22.3	50.2	98.3	164.3	256.7	351.3	444.8	546.3	650.8
-67.5°	0.0	8.9	20.2	39.8	82.4	137.6	216.5	298.5	375.5	465.8	561.7
-70°	0.0	8.0	18.2	29.1	65.6	113.7	174.5	244.2	311.3	382.8	466.4
-72.5°	0.0	7.0	16.0	24.3	48.3	88.8	139.5	188.7	245.7	306.4	370.7
-75°	0.0	6.1	13.8	20.9	30.3	63.0	104.5	142.4	178.7	228.6	281.5
-77.5°	0.0	5.1	11.6	17.5	23.3	36.4	68.4	99.3	128.3	156.2	190.8
-80°	0.0	4.1	9.3	14.0	18.7	23.3	31.5	55.9	79.5	102.1	123.9
-82.5°	0.0	3.1	7.0	10.5	14.0	17.5	20.9	24.3	30.4	47.8	64.5
-85°	0.0	2.1	4.7	7.0	9.4	11.7	14.0	16.2	18.4	20.6	22.8
-87.5°	0.0	1.0	2.4	3.5	4.7	5.8	7.0	8.1	9.2	10.3	11.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	13.2	15.2	17.2	19.3	19.5	19.5	19.4	19.1	19.9	20.7	21.4
85°	26.4	30.3	42.0	53.3	58.8	62.2	63.7	63.5	73.8	85.8	98.8
82.5°	82.0	98.9	115.0	130.4	134.3	134.4	133.1	133.6	157.8	185.6	214.1
80°	146.0	167.4	195.9	221.1	232.1	237.7	240.4	240.0	270.6	311.4	354.4
77.5°	231.6	267.7	299.1	325.9	340.3	353.0	363.3	371.3	410.7	462.4	513.6
75°	329.2	368.8	408.2	442.5	466.5	484.2	500.8	527.5	579.1	639.4	691.8
72.5°	432.2	482.7	526.6	563.8	597.5	633.2	673.2	717.0	771.6	831.7	886.6
70°	542.1	597.7	643.6	688.5	734.3	787.8	847.9	906.9	967.7	1034.1	1098.0
67.5°	649.7	703.3	757.4	813.9	882.6	954.3	1025.2	1106.6	1189.9	1263.7	1329.7
65°	743.1	806.0	873.6	950.4	1035.2	1126.3	1221.0	1318.6	1424.3	1512.9	1593.6
62.5°	832.3	907.9	990.1	1085.8	1194.0	1301.8	1422.6	1544.8	1663.8	1768.2	1864.6
60°	914.5	1006.1	1110.1	1227.4	1353.6	1496.9	1634.5	1773.6	1904.0	2022.2	2144.1
57.5°	994.6	1109.8	1234.5	1375.4	1535.0	1696.0	1857.6	2007.2	2154.9	2298.9	2436.8
55°	1079.2	1218.1	1366.5	1539.3	1719.2	1909.6	2083.7	2250.7	2413.4	2588.1	2754.3
52.5°	1172.4	1327.5	1513.3	1706.6	1914.5	2118.8	2310.1	2500.3	2697.0	2894.7	3111.0
50°	1262.3	1455.7	1659.3	1884.1	2108.6	2327.6	2547.0	2766.0	3001.6	3244.2	3489.2
47.5°	1367.3	1578.3	1818.9	2060.0	2305.4	2549.0	2793.4	3058.1	3325.8	3607.1	3878.2
45°	1473.6	1710.8	1970.0	2242.7	2508.0	2777.7	3063.5	3356.1	3670.0	3979.4	4305.6
42.5°	1574.3	1842.6	2128.2	2422.7	2717.8	3019.2	3333.5	3675.3	4018.3	4375.2	4733.5
40°	1686.0	1967.8	2282.8	2607.2	2927.3	3261.5	3620.7	3990.9	4379.0	4771.4	5160.5
37.5°	1793.3	2103.1	2434.2	2783.3	3142.6	3509.8	3899.9	4320.0	4741.0	5163.2	5592.4
35°	1893.7	2231.3	2589.9	2960.6	3341.7	3759.3	4195.4	4643.9	5100.0	5556.6	6018.3
32.5°	1997.1	2352.2	2738.8	3135.5	3555.4	4003.3	4480.9	4966.9	5452.6	5940.3	6445.6
30°	2100.7	2479.0	2883.0	3300.9	3760.2	4248.2	4761.5	5276.3	5790.1	6326.7	6865.3
27.5°	2198.6	2599.4	3024.6	3471.8	3956.5	4475.0	5020.1	5571.6	6125.6	6696.1	7270.6
25°	2288.8	2713.4	3156.2	3636.3	4150.0	4693.2	5261.1	5836.6	6444.1	7054.7	7654.5
22.5°	2376.6	2818.0	3277.9	3787.9	4325.3	4895.8	5487.1	6094.9	6729.7	7385.4	8006.1
20°	2461.2	2917.7	3396.4	3925.2	4482.4	5078.2	5692.6	6329.0	6995.1	7668.3	8335.9
17.5°	2536.3	3006.3	3506.7	4053.6	4632.3	5245.0	5877.8	6535.1	7230.8	7928.6	8636.0
15°	2601.7	3083.4	3602.3	4165.6	4764.7	5396.6	6049.6	6725.6	7439.3	8165.8	8901.3
12.5°	2657.0	3148.7	3682.7	4260.8	4877.2	5526.6	6197.3	6897.0	7630.0	8376.8	9133.6
10°	2702.0	3201.9	3747.8	4338.7	4969.0	5634.1	6318.9	7038.4	7793.2	8556.4	9329.0
7.5°	2740.2	3246.4	3799.4	4398.7	5039.7	5718.2	6413.6	7148.6	7923.3	8696.4	9486.0
5°	2768.1	3282.3	3846.9	4449.0	5101.3	5783.9	6485.3	7227.1	8018.4	8796.1	9599.8
2.5°	2784.8	3305.6	3879.1	4481.6	5149.6	5833.2	6549.0	7296.5	8088.1	8875.2	9685.4
0°	2790.4	3316.1	3895.7	4495.6	5176.3	5857.1	6585.0	7333.1	8121.7	8923.8	9739.3
-2.5°	2784.8	3305.6	3879.1	4481.6	5149.6	5833.2	6549.0	7296.5	8088.1	8875.2	9685.4
-5°	2768.1	3282.3	3846.9	4449.0	5101.3	5783.9	6485.3	7227.1	8018.4	8796.1	9599.8
-7.5°	2740.2	3246.4	3799.4	4398.7	5039.7	5718.2	6413.6	7148.6	7923.3	8696.4	9486.0
-10°	2702.0	3201.9	3747.8	4338.7	4969.0	5634.1	6318.9	7038.4	7793.2	8556.4	9329.0
-12.5°	2657.0	3148.7	3682.7	4260.8	4877.2	5526.6	6197.3	6897.0	7630.0	8376.8	9133.6
-15°	2601.7	3083.4	3602.3	4165.6	4764.7	5396.6	6049.6	6725.6	7439.3	8165.8	8901.3
-17.5°	2536.3	3006.3	3506.7	4053.6	4632.3	5245.0	5877.8	6535.1	7230.8	7928.6	8636.0
-20°	2461.2	2917.7	3396.4	3925.2	4482.4	5078.2	5692.6	6329.0	6995.1	7668.3	8335.9



REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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°	2376.6	2818.0	3277.9	3787.9	4325.3	4895.8	5487.1	6094.9	6729.7	7385.4	8006.1
-25°	2288.8	2713.4	3156.2	3636.3	4150.0	4693.2	5261.1	5836.6	6444.1	7054.7	7654.5
-27.5°	2198.6	2599.4	3024.6	3471.8	3956.5	4475.0	5020.1	5571.6	6125.6	6696.1	7270.6
-30°	2100.7	2479.0	2883.0	3300.9	3760.2	4248.2	4761.5	5276.3	5790.1	6326.7	6865.3
-32.5°	1997.1	2352.2	2738.8	3135.5	3555.4	4003.3	4480.9	4966.9	5452.6	5940.3	6445.6
-35°	1893.7	2231.3	2589.9	2960.6	3341.7	3759.3	4195.4	4643.9	5100.0	5556.6	6018.3
-37.5°	1793.3	2103.1	2434.2	2783.3	3142.6	3509.8	3899.9	4320.0	4741.0	5163.2	5592.4
-40°	1686.0	1967.8	2282.8	2607.2	2927.3	3261.5	3620.7	3990.9	4379.0	4771.4	5160.5
-42.5°	1574.3	1842.6	2128.2	2422.7	2717.8	3019.2	3333.5	3675.3	4018.3	4375.2	4733.5
-45°	1473.6	1710.8	1970.0	2242.7	2508.0	2777.7	3063.5	3356.1	3670.0	3979.4	4305.6
-47.5°	1367.3	1578.3	1818.9	2060.0	2305.4	2549.0	2793.4	3058.1	3325.8	3607.1	3878.2
-50°	1262.3	1455.7	1659.3	1884.1	2108.6	2327.6	2547.0	2766.0	3001.6	3244.2	3489.2
-52.5°	1172.4	1327.5	1513.3	1706.6	1914.5	2118.8	2310.1	2500.3	2697.0	2894.7	3111.0
-55°	1079.2	1218.1	1366.5	1539.3	1719.2	1909.6	2083.7	2250.7	2413.4	2588.1	2754.3
-57.5°	994.6	1109.8	1234.5	1375.4	1535.0	1696.0	1857.6	2007.2	2154.9	2298.9	2436.8
-60°	914.5	1006.1	1110.1	1227.4	1353.6	1496.9	1634.5	1773.6	1904.0	2022.2	2144.1
-62.5°	832.3	907.9	990.1	1085.8	1194.0	1301.8	1422.6	1544.8	1663.8	1768.2	1864.6
-65°	743.1	806.0	873.6	950.4	1035.2	1126.3	1221.0	1318.6	1424.3	1512.9	1593.6
-67.5°	649.7	703.3	757.4	813.9	882.6	954.3	1025.2	1106.6	1189.9	1263.7	1329.7
-70°	542.1	597.7	643.6	688.5	734.3	787.8	847.9	906.9	967.7	1034.1	1098.0
-72.5°	432.2	482.7	526.6	563.8	597.5	633.2	673.2	717.0	771.6	831.7	886.6
-75°	329.2	368.8	408.2	442.5	466.5	484.2	500.8	527.5	579.1	639.4	691.8
-77.5°	231.6	267.7	299.1	325.9	340.3	353.0	363.3	371.3	410.7	462.4	513.6
-80°	146.0	167.4	195.9	221.1	232.1	237.7	240.4	240.0	270.6	311.4	354.4
-82.5°	82.0	98.9	115.0	130.4	134.3	134.4	133.1	133.6	157.8	185.6	214.1
-85°	26.4	30.3	42.0	53.3	58.8	62.2	63.7	63.5	73.8	85.8	98.8
-87.5°	13.2	15.2	17.2	19.3	19.5	19.5	19.4	19.1	19.9	20.7	21.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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°	22.1	22.8	23.4	23.9	24.5	24.9	25.4	25.7	26.1	24.7	23.2
85°	112.6	120.6	128.0	135.1	141.9	148.3	154.3	159.9	165.0	150.8	134.9
82.5°	243.1	262.6	281.2	299.6	317.9	322.6	324.0	323.3	320.8	295.7	267.8
80°	396.9	429.9	461.0	491.9	522.4	525.9	522.4	516.1	507.3	474.3	436.9
77.5°	564.7	606.3	642.7	676.0	706.4	712.1	711.3	709.8	707.3	673.7	632.9
75°	736.7	777.4	816.6	850.0	877.9	890.7	896.9	901.3	903.8	879.6	848.0
72.5°	936.2	978.5	1013.1	1045.5	1072.9	1092.8	1107.0	1117.8	1125.1	1117.8	1104.9
70°	1152.6	1198.0	1236.2	1272.8	1310.0	1339.8	1362.3	1378.6	1389.0	1395.8	1400.6
67.5°	1396.3	1457.3	1510.5	1555.9	1600.9	1643.0	1677.6	1705.9	1727.8	1746.3	1760.6
65°	1670.9	1748.8	1817.9	1881.3	1939.4	2000.6	2050.8	2092.9	2126.8	2154.8	2177.3
62.5°	1959.6	2055.1	2143.7	2229.8	2314.1	2397.2	2460.9	2519.0	2570.6	2615.0	2650.3
60°	2259.5	2368.1	2487.1	2600.7	2705.2	2800.8	2895.6	2977.8	3048.1	3106.4	3153.5
57.5°	2582.0	2722.5	2861.6	3002.7	3136.0	3260.8	3377.6	3480.6	3567.7	3639.2	3699.1
55°	2930.3	3106.0	3267.4	3445.4	3617.3	3774.0	3911.8	4033.0	4137.8	4225.5	4300.0
52.5°	3313.2	3526.7	3736.4	3938.9	4134.2	4315.8	4480.9	4622.0	4747.5	4855.0	4940.9
50°	3732.2	3976.6	4219.6	4444.8	4669.2	4878.5	5067.7	5231.4	5377.5	5503.9	5603.4
47.5°	4170.5	4448.6	4719.9	4977.8	5226.1	5458.8	5663.6	5850.3	6032.4	6180.9	6298.3
45°	4625.6	4937.6	5236.9	5531.7	5805.2	6065.9	6318.7	6551.1	6738.0	6901.5	7038.9
42.5°	5086.2	5434.2	5769.4	6091.1	6391.7	6693.3	6977.6	7231.6	7444.7	7630.7	7786.9
40°	5552.8	5933.8	6303.1	6653.8	6997.5	7326.3	7633.8	7901.7	8142.1	8363.0	8547.0
37.5°	6017.1	6436.2	6845.3	7238.2	7616.7	7972.9	8305.1	8607.9	8879.1	9130.7	9335.1
35°	6483.4	6943.2	7391.1	7823.5	8236.9	8629.9	8993.7	9338.2	9657.8	9912.7	10121.7
32.5°	6947.9	7442.3	7929.7	8405.7	8858.1	9281.9	9676.1	10056.7	10385.5	10665.6	10906.0
30°	7397.4	7933.0	8463.8	8979.8	9468.6	9927.8	10364.2	10766.7	11120.3	11426.7	11696.3
27.5°	7838.5	8413.9	8983.4	9534.7	10063.2	10562.1	11038.4	11474.9	11860.7	12193.8	12478.0
25°	8255.3	8873.8	9480.8	10065.4	10629.9	11180.3	11694.5	12170.8	12583.0	12948.6	13240.7
22.5°	8653.6	9313.2	9951.0	10566.0	11169.8	11763.0	12326.0	12823.4	13260.2	13642.3	13965.6
20°	9024.7	9731.4	10384.1	11034.4	11670.4	12303.8	12908.3	13433.1	13895.2	14302.1	14658.5
17.5°	9371.5	10096.5	10783.6	11476.0	12146.3	12810.8	13425.0	13987.5	14486.0	14918.1	15291.4
15°	9665.1	10397.3	11147.7	11887.0	12593.8	13266.8	13880.3	14467.8	15021.4	15488.7	15867.2
12.5°	9902.9	10664.3	11447.2	12232.0	12979.5	13651.5	14293.9	14889.9	15471.4	15996.2	16344.1
10°	10105.5	10889.5	11697.8	12498.1	13255.7	13966.7	14665.1	15295.2	15866.6	16336.6	16725.2
7.5°	10280.7	11088.3	11909.2	12710.9	13465.9	14200.6	14919.5	15588.7	16165.6	16608.4	16955.0
5°	10409.9	11236.7	12073.4	12882.5	13648.0	14385.1	15107.3	15768.2	16331.3	16781.8	17159.7
2.5°	10502.4	11336.9	12179.6	12989.8	13772.4	14511.3	15251.5	15919.8	16465.1	16877.9	17239.8
0°	10561.6	11397.4	12246.6	13075.6	13844.0	14558.4	15353.7	15980.6	16546.7	16957.9	17335.3
-2.5°	10502.4	11336.9	12179.6	12989.8	13772.4	14511.3	15251.5	15919.8	16465.1	16877.9	17239.8
-5°	10409.9	11236.7	12073.4	12882.5	13648.0	14385.1	15107.3	15768.2	16331.3	16781.8	17159.7
-7.5°	10280.7	11088.3	11909.2	12710.9	13465.9	14200.6	14919.5	15588.7	16165.6	16608.4	16955.0
-10°	10105.5	10889.5	11697.8	12498.1	13255.7	13966.7	14665.1	15295.2	15866.6	16336.6	16725.2
-12.5°	9902.9	10664.3	11447.2	12232.0	12979.5	13651.5	14293.9	14889.9	15471.4	15996.2	16344.1
-15°	9665.1	10397.3	11147.7	11887.0	12593.8	13266.8	13880.3	14467.8	15021.4	15488.7	15867.2
-17.5°	9371.5	10096.5	10783.6	11476.0	12146.3	12810.8	13425.0	13987.5	14486.0	14918.1	15291.4
-20°	9024.7	9731.4	10384.1	11034.4	11670.4	12303.8	12908.3	13433.1	13895.2	14302.1	14658.5



REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8653.6	9313.2	9951.0	10566.0	11169.8	11763.0	12326.0	12823.4	13260.2	13642.3	13965.6
-25°	8255.3	8873.8	9480.8	10065.4	10629.9	11180.3	11694.5	12170.8	12583.0	12948.6	13240.7
-27.5°	7838.5	8413.9	8983.4	9534.7	10063.2	10562.1	11038.4	11474.9	11860.7	12193.8	12478.0
-30°	7397.4	7933.0	8463.8	8979.8	9468.6	9927.8	10364.2	10766.7	11120.3	11426.7	11696.3
-32.5°	6947.9	7442.3	7929.7	8405.7	8858.1	9281.9	9676.1	10056.7	10385.5	10665.6	10906.0
-35°	6483.4	6943.2	7391.1	7823.5	8236.9	8629.9	8993.7	9338.2	9657.8	9912.7	10121.7
-37.5°	6017.1	6436.2	6845.3	7238.2	7616.7	7972.9	8305.1	8607.9	8879.1	9130.7	9335.1
-40°	5552.8	5933.8	6303.1	6653.8	6997.5	7326.3	7633.8	7901.7	8142.1	8363.0	8547.0
-42.5°	5086.2	5434.2	5769.4	6091.1	6391.7	6693.3	6977.6	7231.6	7444.7	7630.7	7786.9
-45°	4625.6	4937.6	5236.9	5531.7	5805.2	6065.9	6318.7	6551.1	6738.0	6901.5	7038.9
-47.5°	4170.5	4448.6	4719.9	4977.8	5226.1	5458.8	5663.6	5850.3	6032.4	6180.9	6298.3
-50°	3732.2	3976.6	4219.6	4444.8	4669.2	4878.5	5067.7	5231.4	5377.5	5503.9	5603.4
-52.5°	3313.2	3526.7	3736.4	3938.9	4134.2	4315.8	4480.9	4622.0	4747.5	4855.0	4940.9
-55°	2930.3	3106.0	3267.4	3445.4	3617.3	3774.0	3911.8	4033.0	4137.8	4225.5	4300.0
-57.5°	2582.0	2722.5	2861.6	3002.7	3136.0	3260.8	3377.6	3480.6	3567.7	3639.2	3699.1
-60°	2259.5	2368.1	2487.1	2600.7	2705.2	2800.8	2895.6	2977.8	3048.1	3106.4	3153.5
-62.5°	1959.6	2055.1	2143.7	2229.8	2314.1	2397.2	2460.9	2519.0	2570.6	2615.0	2650.3
-65°	1670.9	1748.8	1817.9	1881.3	1939.4	2000.6	2050.8	2092.9	2126.8	2154.8	2177.3
-67.5°	1396.3	1457.3	1510.5	1555.9	1600.9	1643.0	1677.6	1705.9	1727.8	1746.3	1760.6
-70°	1152.6	1198.0	1236.2	1272.8	1310.0	1339.8	1362.3	1378.6	1389.0	1395.8	1400.6
-72.5°	936.2	978.5	1013.1	1045.5	1072.9	1092.8	1107.0	1117.8	1125.1	1117.8	1104.9
-75°	736.7	777.4	816.6	850.0	877.9	890.7	896.9	901.3	903.8	879.6	848.0
-77.5°	564.7	606.3	642.7	676.0	706.4	712.1	711.3	709.8	707.3	673.7	632.9
-80°	396.9	429.9	461.0	491.9	522.4	525.9	522.4	516.1	507.3	474.3	436.9
-82.5°	243.1	262.6	281.2	299.6	317.9	322.6	324.0	323.3	320.8	295.7	267.8
-85°	112.6	120.6	128.0	135.1	141.9	148.3	154.3	159.9	165.0	150.8	134.9
-87.5°	22.1	22.8	23.4	23.9	24.5	24.9	25.4	25.7	26.1	24.7	23.2
-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: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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°	21.7	20.1	20.2	20.2	20.2	20.1	21.7	23.2	24.7	26.1	25.7
85°	118.2	100.6	94.2	87.6	94.2	100.6	118.2	134.9	150.8	165.0	159.9
82.5°	238.6	208.2	198.6	188.7	198.6	208.2	238.6	267.8	295.7	320.8	323.3
80°	397.5	356.3	340.1	323.5	340.1	356.3	397.5	436.9	474.3	507.3	516.1
77.5°	589.9	544.6	525.3	505.5	525.3	544.6	589.9	632.9	673.7	707.3	709.8
75°	814.6	779.1	757.7	734.7	757.7	779.1	814.6	848.0	879.6	903.8	901.3
72.5°	1090.1	1072.7	1057.1	1038.0	1057.1	1072.7	1090.1	1104.9	1117.8	1125.1	1117.8
70°	1402.2	1400.0	1402.8	1401.9	1402.8	1400.0	1402.2	1400.6	1395.8	1389.0	1378.6
67.5°	1768.0	1768.5	1776.0	1779.4	1776.0	1768.5	1768.0	1760.6	1746.3	1727.8	1705.9
65°	2191.1	2196.3	2194.4	2183.8	2194.4	2196.3	2191.1	2177.3	2154.8	2126.8	2092.9
62.5°	2675.4	2689.9	2697.9	2696.0	2697.9	2689.9	2675.4	2650.3	2615.0	2570.6	2519.0
60°	3188.6	3211.4	3222.9	3221.7	3222.9	3211.4	3188.6	3153.5	3106.4	3048.1	2977.8
57.5°	3743.8	3773.1	3779.9	3767.7	3779.9	3773.1	3743.8	3699.1	3639.2	3567.7	3480.6
55°	4356.2	4393.7	4408.1	4401.2	4408.1	4393.7	4356.2	4300.0	4225.5	4137.8	4033.0
52.5°	5003.8	5044.3	5058.6	5048.3	5058.6	5044.3	5003.8	4940.9	4855.0	4747.5	4622.0
50°	5676.4	5725.4	5745.1	5735.7	5745.1	5725.4	5676.4	5603.4	5503.9	5377.5	5231.4
47.5°	6390.3	6455.5	6480.9	6463.7	6480.9	6455.5	6390.3	6298.3	6180.9	6032.4	5850.3
45°	7141.6	7209.2	7235.4	7218.5	7235.4	7209.2	7141.6	7038.9	6901.5	6738.0	6551.1
42.5°	7906.3	7994.1	8031.3	8000.4	8031.3	7994.1	7906.3	7786.9	7630.7	7444.7	7231.6
40°	8684.5	8779.8	8823.8	8802.5	8823.8	8779.8	8684.5	8547.0	8363.0	8142.1	7901.7
37.5°	9482.6	9577.5	9624.1	9624.7	9624.1	9577.5	9482.6	9335.1	9130.7	8879.1	8607.9
35°	10283.7	10398.6	10463.6	10460.5	10463.6	10398.6	10283.7	10121.7	9912.7	9657.8	9338.2
32.5°	11096.1	11220.4	11286.9	11296.3	11286.9	11220.4	11096.1	10906.0	10665.6	10385.5	10056.7
30°	11907.0	12043.8	12120.7	12152.2	12120.7	12043.8	11907.0	11696.3	11426.7	11120.3	10766.7
27.5°	12693.4	12861.8	12977.9	12988.0	12977.9	12861.8	12693.4	12478.0	12193.8	11860.7	11474.9
25°	13455.1	13626.5	13745.6	13769.8	13745.6	13626.5	13455.1	13240.7	12948.6	12583.0	12170.8
22.5°	14205.8	14385.0	14494.9	14538.2	14494.9	14385.0	14205.8	13965.6	13642.3	13260.2	12823.4
20°	14922.5	15116.6	15233.2	15279.6	15233.2	15116.6	14922.5	14658.5	14302.1	13895.2	13433.1
17.5°	15570.8	15775.9	15919.9	15960.3	15919.9	15775.9	15570.8	15291.4	14918.1	14486.0	13987.5
15°	16141.4	16335.9	16472.6	16526.5	16472.6	16335.9	16141.4	15867.2	15488.7	15021.4	14467.8
12.5°	16605.7	16779.7	16886.8	16937.6	16886.8	16779.7	16605.7	16344.1	15996.2	15471.4	14889.9
10°	16968.6	17143.1	17245.3	17315.1	17245.3	17143.1	16968.6	16725.2	16336.6	15866.6	15295.2
7.5°	17283.4	17462.3	17587.4	17685.8	17587.4	17462.3	17283.4	16955.0	16608.4	16165.6	15588.7
5°	17457.3	17755.9	17800.9	17867.8	17800.9	17755.9	17457.3	17159.7	16781.8	16331.3	15768.2
2.5°	17589.9	17801.6	17929.0	17914.9	17929.0	17801.6	17589.9	17239.8	16877.9	16465.1	15919.8
0°	17685.8	17874.5	17921.7	17982.3	17921.7	17874.5	17685.8	17335.3	16957.9	16546.7	15980.6
-2.5°	17589.9	17801.6	17929.0	17914.9	17929.0	17801.6	17589.9	17239.8	16877.9	16465.1	15919.8
-5°	17457.3	17755.9	17800.9	17867.8	17800.9	17755.9	17457.3	17159.7	16781.8	16331.3	15768.2
-7.5°	17283.4	17462.3	17587.4	17685.8	17587.4	17462.3	17283.4	16955.0	16608.4	16165.6	15588.7
-10°	16968.6	17143.1	17245.3	17315.1	17245.3	17143.1	16968.6	16725.2	16336.6	15866.6	15295.2
-12.5°	16605.7	16779.7	16886.8	16937.6	16886.8	16779.7	16605.7	16344.1	15996.2	15471.4	14889.9
-15°	16141.4	16335.9	16472.6	16526.5	16472.6	16335.9	16141.4	15867.2	15488.7	15021.4	14467.8
-17.5°	15570.8	15775.9	15919.9	15960.3	15919.9	15775.9	15570.8	15291.4	14918.1	14486.0	13987.5
-20°	14922.5	15116.6	15233.2	15279.6	15233.2	15116.6	14922.5	14658.5	14302.1	13895.2	13433.1



REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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°	14205.8	14385.0	14494.9	14538.2	14494.9	14385.0	14205.8	13965.6	13642.3	13260.2	12823.4
-25°	13455.1	13626.5	13745.6	13769.8	13745.6	13626.5	13455.1	13240.7	12948.6	12583.0	12170.8
-27.5°	12693.4	12861.8	12977.9	12988.0	12977.9	12861.8	12693.4	12478.0	12193.8	11860.7	11474.9
-30°	11907.0	12043.8	12120.7	12152.2	12120.7	12043.8	11907.0	11696.3	11426.7	11120.3	10766.7
-32.5°	11096.1	11220.4	11286.9	11296.3	11286.9	11220.4	11096.1	10906.0	10665.6	10385.5	10056.7
-35°	10283.7	10398.6	10463.6	10460.5	10463.6	10398.6	10283.7	10121.7	9912.7	9657.8	9338.2
-37.5°	9482.6	9577.5	9624.1	9624.7	9624.1	9577.5	9482.6	9335.1	9130.7	8879.1	8607.9
-40°	8684.5	8779.8	8823.8	8802.5	8823.8	8779.8	8684.5	8547.0	8363.0	8142.1	7901.7
-42.5°	7906.3	7994.1	8031.3	8000.4	8031.3	7994.1	7906.3	7786.9	7630.7	7444.7	7231.6
-45°	7141.6	7209.2	7235.4	7218.5	7235.4	7209.2	7141.6	7038.9	6901.5	6738.0	6551.1
-47.5°	6390.3	6455.5	6480.9	6463.7	6480.9	6455.5	6390.3	6298.3	6180.9	6032.4	5850.3
-50°	5676.4	5725.4	5745.1	5735.7	5745.1	5725.4	5676.4	5603.4	5503.9	5377.5	5231.4
-52.5°	5003.8	5044.3	5058.6	5048.3	5058.6	5044.3	5003.8	4940.9	4855.0	4747.5	4622.0
-55°	4356.2	4393.7	4408.1	4401.2	4408.1	4393.7	4356.2	4300.0	4225.5	4137.8	4033.0
-57.5°	3743.8	3773.1	3779.9	3767.7	3779.9	3773.1	3743.8	3699.1	3639.2	3567.7	3480.6
-60°	3188.6	3211.4	3222.9	3221.7	3222.9	3211.4	3188.6	3153.5	3106.4	3048.1	2977.8
-62.5°	2675.4	2689.9	2697.9	2696.0	2697.9	2689.9	2675.4	2650.3	2615.0	2570.6	2519.0
-65°	2191.1	2196.3	2194.4	2183.8	2194.4	2196.3	2191.1	2177.3	2154.8	2126.8	2092.9
-67.5°	1768.0	1768.5	1776.0	1779.4	1776.0	1768.5	1768.0	1760.6	1746.3	1727.8	1705.9
-70°	1402.2	1400.0	1402.8	1401.9	1402.8	1400.0	1402.2	1400.6	1395.8	1389.0	1378.6
-72.5°	1090.1	1072.7	1057.1	1038.0	1057.1	1072.7	1090.1	1104.9	1117.8	1125.1	1117.8
-75°	814.6	779.1	757.7	734.7	757.7	779.1	814.6	848.0	879.6	903.8	901.3
-77.5°	589.9	544.6	525.3	505.5	525.3	544.6	589.9	632.9	673.7	707.3	709.8
-80°	397.5	356.3	340.1	323.5	340.1	356.3	397.5	436.9	474.3	507.3	516.1
-82.5°	238.6	208.2	198.6	188.7	198.6	208.2	238.6	267.8	295.7	320.8	323.3
-85°	118.2	100.6	94.2	87.6	94.2	100.6	118.2	134.9	150.8	165.0	159.9
-87.5°	21.7	20.1	20.2	20.2	20.2	20.1	21.7	23.2	24.7	26.1	25.7
-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: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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°	25.4	24.9	24.5	23.9	23.4	22.8	22.1	21.4	20.7	19.9	19.1
85°	154.3	148.3	141.9	135.1	128.0	120.6	112.6	98.8	85.8	73.8	63.5
82.5°	324.0	322.6	317.9	299.6	281.2	262.6	243.1	214.1	185.6	157.8	133.6
80°	522.4	525.9	522.4	491.9	461.0	429.9	396.9	354.4	311.4	270.6	240.0
77.5°	711.3	712.1	706.4	676.0	642.7	606.3	564.7	513.6	462.4	410.7	371.3
75°	896.9	890.7	877.9	850.0	816.6	777.4	736.7	691.8	639.4	579.1	527.5
72.5°	1107.0	1092.8	1072.9	1045.5	1013.1	978.5	936.2	886.6	831.7	771.6	717.0
70°	1362.3	1339.8	1310.0	1272.8	1236.2	1198.0	1152.6	1098.0	1034.1	967.7	906.9
67.5°	1677.6	1643.0	1600.9	1555.9	1510.5	1457.3	1396.3	1329.7	1263.7	1189.9	1106.6
65°	2050.8	2000.6	1939.4	1881.3	1817.9	1748.8	1670.9	1593.6	1512.9	1424.3	1318.6
62.5°	2460.9	2397.2	2314.1	2229.8	2143.7	2055.1	1959.6	1864.6	1768.2	1663.8	1544.8
60°	2895.6	2800.8	2705.2	2600.7	2487.1	2368.1	2259.5	2144.1	2022.2	1904.0	1773.6
57.5°	3377.6	3260.8	3136.0	3002.7	2861.6	2722.5	2582.0	2436.8	2298.9	2154.9	2007.2
55°	3911.8	3774.0	3617.3	3445.4	3267.4	3106.0	2930.3	2754.3	2588.1	2413.4	2250.7
52.5°	4480.9	4315.8	4134.2	3938.9	3736.4	3526.7	3313.2	3111.0	2894.7	2697.0	2500.3
50°	5067.7	4878.5	4669.2	4444.8	4219.6	3976.6	3732.2	3489.2	3244.2	3001.6	2766.0
47.5°	5663.6	5458.8	5226.1	4977.8	4719.9	4448.6	4170.5	3878.2	3607.1	3325.8	3058.1
45°	6318.7	6065.9	5805.2	5531.7	5236.9	4937.6	4625.6	4305.6	3979.4	3670.0	3356.1
42.5°	6977.6	6693.3	6391.7	6091.1	5769.4	5434.2	5086.2	4733.5	4375.2	4018.3	3675.3
40°	7633.8	7326.3	6997.5	6653.8	6303.1	5933.8	5552.8	5160.5	4771.4	4379.0	3990.9
37.5°	8305.1	7972.9	7616.7	7238.2	6845.3	6436.2	6017.1	5592.4	5163.2	4741.0	4320.0
35°	8993.7	8629.9	8236.9	7823.5	7391.1	6943.2	6483.4	6018.3	5556.6	5100.0	4643.9
32.5°	9676.1	9281.9	8858.1	8405.7	7929.7	7442.3	6947.9	6445.6	5940.3	5452.6	4966.9
30°	10364.2	9927.8	9468.6	8979.8	8463.8	7933.0	7397.4	6865.3	6326.7	5790.1	5276.3
27.5°	11038.4	10562.1	10063.2	9534.7	8983.4	8413.9	7838.5	7270.6	6696.1	6125.6	5571.6
25°	11694.5	11180.3	10629.9	10065.4	9480.8	8873.8	8255.3	7654.5	7054.7	6444.1	5836.6
22.5°	12326.0	11763.0	11169.8	10566.0	9951.0	9313.2	8653.6	8006.1	7385.4	6729.7	6094.9
20°	12908.3	12303.8	11670.4	11034.4	10384.1	9731.4	9024.7	8335.9	7668.3	6995.1	6329.0
17.5°	13425.0	12810.8	12146.3	11476.0	10783.6	10096.5	9371.5	8636.0	7928.6	7230.8	6535.1
15°	13880.3	13266.8	12593.8	11887.0	11147.7	10397.3	9665.1	8901.3	8165.8	7439.3	6725.6
12.5°	14293.9	13651.5	12979.5	12232.0	11447.2	10664.3	9902.9	9133.6	8376.8	7630.0	6897.0
10°	14665.1	13966.7	13255.7	12498.1	11697.8	10889.5	10105.5	9329.0	8556.4	7793.2	7038.4
7.5°	14919.5	14200.6	13465.9	12710.9	11909.2	11088.3	10280.7	9486.0	8696.4	7923.3	7148.6
5°	15107.3	14385.1	13648.0	12882.5	12073.4	11236.7	10409.9	9599.8	8796.1	8018.4	7227.1
2.5°	15251.5	14511.3	13772.4	12989.8	12179.6	11336.9	10502.4	9685.4	8875.2	8088.1	7296.5
0°	15353.7	14558.4	13844.0	13075.6	12246.6	11397.4	10561.6	9739.3	8923.8	8121.7	7333.1
-2.5°	15251.5	14511.3	13772.4	12989.8	12179.6	11336.9	10502.4	9685.4	8875.2	8088.1	7296.5
-5°	15107.3	14385.1	13648.0	12882.5	12073.4	11236.7	10409.9	9599.8	8796.1	8018.4	7227.1
-7.5°	14919.5	14200.6	13465.9	12710.9	11909.2	11088.3	10280.7	9486.0	8696.4	7923.3	7148.6
-10°	14665.1	13966.7	13255.7	12498.1	11697.8	10889.5	10105.5	9329.0	8556.4	7793.2	7038.4
-12.5°	14293.9	13651.5	12979.5	12232.0	11447.2	10664.3	9902.9	9133.6	8376.8	7630.0	6897.0
-15°	13880.3	13266.8	12593.8	11887.0	11147.7	10397.3	9665.1	8901.3	8165.8	7439.3	6725.6
-17.5°	13425.0	12810.8	12146.3	11476.0	10783.6	10096.5	9371.5	8636.0	7928.6	7230.8	6535.1
-20°	12908.3	12303.8	11670.4	11034.4	10384.1	9731.4	9024.7	8335.9	7668.3	6995.1	6329.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12326.0	11763.0	11169.8	10566.0	9951.0	9313.2	8653.6	8006.1	7385.4	6729.7	6094.9
-25°	11694.5	11180.3	10629.9	10065.4	9480.8	8873.8	8255.3	7654.5	7054.7	6444.1	5836.6
-27.5°	11038.4	10562.1	10063.2	9534.7	8983.4	8413.9	7838.5	7270.6	6696.1	6125.6	5571.6
-30°	10364.2	9927.8	9468.6	8979.8	8463.8	7933.0	7397.4	6865.3	6326.7	5790.1	5276.3
-32.5°	9676.1	9281.9	8858.1	8405.7	7929.7	7442.3	6947.9	6445.6	5940.3	5452.6	4966.9
-35°	8993.7	8629.9	8236.9	7823.5	7391.1	6943.2	6483.4	6018.3	5556.6	5100.0	4643.9
-37.5°	8305.1	7972.9	7616.7	7238.2	6845.3	6436.2	6017.1	5592.4	5163.2	4741.0	4320.0
-40°	7633.8	7326.3	6997.5	6653.8	6303.1	5933.8	5552.8	5160.5	4771.4	4379.0	3990.9
-42.5°	6977.6	6693.3	6391.7	6091.1	5769.4	5434.2	5086.2	4733.5	4375.2	4018.3	3675.3
-45°	6318.7	6065.9	5805.2	5531.7	5236.9	4937.6	4625.6	4305.6	3979.4	3670.0	3356.1
-47.5°	5663.6	5458.8	5226.1	4977.8	4719.9	4448.6	4170.5	3878.2	3607.1	3325.8	3058.1
-50°	5067.7	4878.5	4669.2	4444.8	4219.6	3976.6	3732.2	3489.2	3244.2	3001.6	2766.0
-52.5°	4480.9	4315.8	4134.2	3938.9	3736.4	3526.7	3313.2	3111.0	2894.7	2697.0	2500.3
-55°	3911.8	3774.0	3617.3	3445.4	3267.4	3106.0	2930.3	2754.3	2588.1	2413.4	2250.7
-57.5°	3377.6	3260.8	3136.0	3002.7	2861.6	2722.5	2582.0	2436.8	2298.9	2154.9	2007.2
-60°	2895.6	2800.8	2705.2	2600.7	2487.1	2368.1	2259.5	2144.1	2022.2	1904.0	1773.6
-62.5°	2460.9	2397.2	2314.1	2229.8	2143.7	2055.1	1959.6	1864.6	1768.2	1663.8	1544.8
-65°	2050.8	2000.6	1939.4	1881.3	1817.9	1748.8	1670.9	1593.6	1512.9	1424.3	1318.6
-67.5°	1677.6	1643.0	1600.9	1555.9	1510.5	1457.3	1396.3	1329.7	1263.7	1189.9	1106.6
-70°	1362.3	1339.8	1310.0	1272.8	1236.2	1198.0	1152.6	1098.0	1034.1	967.7	906.9
-72.5°	1107.0	1092.8	1072.9	1045.5	1013.1	978.5	936.2	886.6	831.7	771.6	717.0
-75°	896.9	890.7	877.9	850.0	816.6	777.4	736.7	691.8	639.4	579.1	527.5
-77.5°	711.3	712.1	706.4	676.0	642.7	606.3	564.7	513.6	462.4	410.7	371.3
-80°	522.4	525.9	522.4	491.9	461.0	429.9	396.9	354.4	311.4	270.6	240.0
-82.5°	324.0	322.6	317.9	299.6	281.2	262.6	243.1	214.1	185.6	157.8	133.6
-85°	154.3	148.3	141.9	135.1	128.0	120.6	112.6	98.8	85.8	73.8	63.5
-87.5°	25.4	24.9	24.5	23.9	23.4	22.8	22.1	21.4	20.7	19.9	19.1
-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: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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°	19.4	19.5	19.5	19.3	17.2	15.2	13.2	11.4	10.3	9.2	8.1
85°	63.7	62.2	58.8	53.3	42.0	30.3	26.4	22.8	20.6	18.4	16.2
82.5°	133.1	134.4	134.3	130.4	115.0	98.9	82.0	64.5	47.8	30.4	24.3
80°	240.4	237.7	232.1	221.1	195.9	167.4	146.0	123.9	102.1	79.5	55.9
77.5°	363.3	353.0	340.3	325.9	299.1	267.7	231.6	190.8	156.2	128.3	99.3
75°	500.8	484.2	466.5	442.5	408.2	368.8	329.2	281.5	228.6	178.7	142.4
72.5°	673.2	633.2	597.5	563.8	526.6	482.7	432.2	370.7	306.4	245.7	188.7
70°	847.9	787.8	734.3	688.5	643.6	597.7	542.1	466.4	382.8	311.3	244.2
67.5°	1025.2	954.3	882.6	813.9	757.4	703.3	649.7	561.7	465.8	375.5	298.5
65°	1221.0	1126.3	1035.2	950.4	873.6	806.0	743.1	650.8	546.3	444.8	351.3
62.5°	1422.6	1301.8	1194.0	1085.8	990.1	907.9	832.3	730.5	623.3	511.8	406.4
60°	1634.5	1496.9	1353.6	1227.4	1110.1	1006.1	914.5	809.1	695.4	576.3	461.1
57.5°	1857.6	1696.0	1535.0	1375.4	1234.5	1109.8	994.6	883.7	766.2	639.9	512.1
55°	2083.7	1909.6	1719.2	1539.3	1366.5	1218.1	1079.2	955.2	834.6	702.4	556.1
52.5°	2310.1	2118.8	1914.5	1706.6	1513.3	1327.5	1172.4	1024.9	897.5	763.5	601.9
50°	2547.0	2327.6	2108.6	1884.1	1659.3	1455.7	1262.3	1104.8	958.5	821.5	645.4
47.5°	2793.4	2549.0	2305.4	2060.0	1818.9	1578.3	1367.3	1183.0	1017.6	874.0	685.9
45°	3063.5	2777.7	2508.0	2242.7	1970.0	1710.8	1473.6	1257.9	1084.5	914.9	723.2
42.5°	3333.5	3019.2	2717.8	2422.7	2128.2	1842.6	1574.3	1346.1	1148.5	954.0	757.5
40°	3620.7	3261.5	2927.3	2607.2	2282.8	1967.8	1686.0	1432.0	1208.4	994.6	789.9
37.5°	3899.9	3509.8	3142.6	2783.3	2434.2	2103.1	1793.3	1512.6	1265.3	1040.3	820.7
35°	4195.4	3759.3	3341.7	2960.6	2589.9	2231.3	1893.7	1593.8	1330.9	1084.7	849.7
32.5°	4480.9	4003.3	3555.4	3135.5	2738.8	2352.2	1997.1	1679.8	1393.8	1127.9	876.8
30°	4761.5	4248.2	3760.2	3300.9	2883.0	2479.0	2100.7	1760.2	1454.0	1169.6	904.0
27.5°	5020.1	4475.0	3956.5	3471.8	3024.6	2599.4	2198.6	1834.7	1511.2	1212.4	935.5
25°	5261.1	4693.2	4150.0	3636.3	3156.2	2713.4	2288.8	1903.7	1569.3	1257.2	964.8
22.5°	5487.1	4895.8	4325.3	3787.9	3277.9	2818.0	2376.6	1977.1	1624.3	1298.3	991.6
20°	5692.6	5078.2	4482.4	3925.2	3396.4	2917.7	2461.2	2043.0	1673.5	1335.7	1015.8
17.5°	5877.8	5245.0	4632.3	4053.6	3506.7	3006.3	2536.3	2101.1	1716.7	1368.9	1037.0
15°	6049.6	5396.6	4764.7	4165.6	3602.3	3083.4	2601.7	2151.2	1753.7	1397.9	1057.3
12.5°	6197.3	5526.6	4877.2	4260.8	3682.7	3148.7	2657.0	2193.1	1784.4	1424.0	1076.3
10°	6318.9	5634.1	4969.0	4338.7	3747.8	3201.9	2702.0	2228.4	1813.3	1446.6	1091.0
7.5°	6413.6	5718.2	5039.7	4398.7	3799.4	3246.4	2740.2	2258.9	1836.5	1464.0	1101.3
5°	6485.3	5783.9	5101.3	4449.0	3846.9	3282.3	2768.1	2280.8	1853.3	1476.0	1107.1
2.5°	6549.0	5833.2	5149.6	4481.6	3879.1	3305.6	2784.8	2293.9	1863.6	1482.3	1108.5
0°	6585.0	5857.1	5176.3	4495.6	3895.7	3316.1	2790.4	2298.3	1867.0	1482.8	1105.4
-2.5°	6549.0	5833.2	5149.6	4481.6	3879.1	3305.6	2784.8	2293.9	1863.6	1482.3	1108.5
-5°	6485.3	5783.9	5101.3	4449.0	3846.9	3282.3	2768.1	2280.8	1853.3	1476.0	1107.1
-7.5°	6413.6	5718.2	5039.7	4398.7	3799.4	3246.4	2740.2	2258.9	1836.5	1464.0	1101.3
-10°	6318.9	5634.1	4969.0	4338.7	3747.8	3201.9	2702.0	2228.4	1813.3	1446.6	1091.0
-12.5°	6197.3	5526.6	4877.2	4260.8	3682.7	3148.7	2657.0	2193.1	1784.4	1424.0	1076.3
-15°	6049.6	5396.6	4764.7	4165.6	3602.3	3083.4	2601.7	2151.2	1753.7	1397.9	1057.3
-17.5°	5877.8	5245.0	4632.3	4053.6	3506.7	3006.3	2536.3	2101.1	1716.7	1368.9	1037.0
-20°	5692.6	5078.2	4482.4	3925.2	3396.4	2917.7	2461.2	2043.0	1673.5	1335.7	1015.8



REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	5487.1	4895.8	4325.3	3787.9	3277.9	2818.0	2376.6	1977.1	1624.3	1298.3	991.6
-25°	5261.1	4693.2	4150.0	3636.3	3156.2	2713.4	2288.8	1903.7	1569.3	1257.2	964.8
-27.5°	5020.1	4475.0	3956.5	3471.8	3024.6	2599.4	2198.6	1834.7	1511.2	1212.4	935.5
-30°	4761.5	4248.2	3760.2	3300.9	2883.0	2479.0	2100.7	1760.2	1454.0	1169.6	904.0
-32.5°	4480.9	4003.3	3555.4	3135.5	2738.8	2352.2	1997.1	1679.8	1393.8	1127.9	876.8
-35°	4195.4	3759.3	3341.7	2960.6	2589.9	2231.3	1893.7	1593.8	1330.9	1084.7	849.7
-37.5°	3899.9	3509.8	3142.6	2783.3	2434.2	2103.1	1793.3	1512.6	1265.3	1040.3	820.7
-40°	3620.7	3261.5	2927.3	2607.2	2282.8	1967.8	1686.0	1432.0	1208.4	994.6	789.9
-42.5°	3333.5	3019.2	2717.8	2422.7	2128.2	1842.6	1574.3	1346.1	1148.5	954.0	757.5
-45°	3063.5	2777.7	2508.0	2242.7	1970.0	1710.8	1473.6	1257.9	1084.5	914.9	723.2
-47.5°	2793.4	2549.0	2305.4	2060.0	1818.9	1578.3	1367.3	1183.0	1017.6	874.0	685.9
-50°	2547.0	2327.6	2108.6	1884.1	1659.3	1455.7	1262.3	1104.8	958.5	821.5	645.4
-52.5°	2310.1	2118.8	1914.5	1706.6	1513.3	1327.5	1172.4	1024.9	897.5	763.5	601.9
-55°	2083.7	1909.6	1719.2	1539.3	1366.5	1218.1	1079.2	955.2	834.6	702.4	556.1
-57.5°	1857.6	1696.0	1535.0	1375.4	1234.5	1109.8	994.6	883.7	766.2	639.9	512.1
-60°	1634.5	1496.9	1353.6	1227.4	1110.1	1006.1	914.5	809.1	695.4	576.3	461.1
-62.5°	1422.6	1301.8	1194.0	1085.8	990.1	907.9	832.3	730.5	623.3	511.8	406.4
-65°	1221.0	1126.3	1035.2	950.4	873.6	806.0	743.1	650.8	546.3	444.8	351.3
-67.5°	1025.2	954.3	882.6	813.9	757.4	703.3	649.7	561.7	465.8	375.5	298.5
-70°	847.9	787.8	734.3	688.5	643.6	597.7	542.1	466.4	382.8	311.3	244.2
-72.5°	673.2	633.2	597.5	563.8	526.6	482.7	432.2	370.7	306.4	245.7	188.7
-75°	500.8	484.2	466.5	442.5	408.2	368.8	329.2	281.5	228.6	178.7	142.4
-77.5°	363.3	353.0	340.3	325.9	299.1	267.7	231.6	190.8	156.2	128.3	99.3
-80°	240.4	237.7	232.1	221.1	195.9	167.4	146.0	123.9	102.1	79.5	55.9
-82.5°	133.1	134.4	134.3	130.4	115.0	98.9	82.0	64.5	47.8	30.4	24.3
-85°	63.7	62.2	58.8	53.3	42.0	30.3	26.4	22.8	20.6	18.4	16.2
-87.5°	19.4	19.5	19.5	19.3	17.2	15.2	13.2	11.4	10.3	9.2	8.1
-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

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REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.0	5.8	4.7	3.5	2.4	1.0	0.0
85°	14.0	11.7	9.4	7.0	4.7	2.1	0.0
82.5°	20.9	17.5	14.0	10.5	7.0	3.1	0.0
80°	31.5	23.3	18.7	14.0	9.3	4.1	0.0
77.5°	68.4	36.4	23.3	17.5	11.6	5.1	0.0
75°	104.5	63.0	30.3	20.9	13.8	6.1	0.0
72.5°	139.5	88.8	48.3	24.3	16.0	7.0	0.0
70°	174.5	113.7	65.6	29.1	18.2	8.0	0.0
67.5°	216.5	137.6	82.4	39.8	20.2	8.9	0.0
65°	256.7	164.3	98.3	50.2	22.3	9.8	0.0
62.5°	294.9	193.6	113.4	60.0	24.2	10.7	0.0
60°	330.8	221.3	127.6	69.3	26.1	11.6	0.0
57.5°	368.6	247.3	146.6	78.1	31.3	12.4	0.0
55°	404.5	271.5	164.6	86.3	36.4	13.2	0.0
52.5°	437.7	294.5	181.4	93.9	41.3	13.9	0.0
50°	468.1	318.8	196.9	100.8	46.1	14.7	0.0
47.5°	496.5	341.1	211.0	107.9	50.6	15.3	0.0
45°	528.2	361.2	223.7	117.3	54.8	16.0	0.0
42.5°	557.3	379.0	234.9	125.8	58.9	16.6	0.0
40°	583.7	394.6	246.2	134.4	62.7	17.1	0.0
37.5°	607.3	408.0	257.4	143.0	66.2	17.7	0.0
35°	628.1	423.4	267.0	151.0	69.5	18.1	0.0
32.5°	647.3	438.8	275.0	158.4	72.6	18.6	0.0
30°	667.4	451.9	281.4	165.1	75.4	19.0	0.0
27.5°	685.3	462.8	291.1	171.2	77.9	19.3	0.0
25°	701.1	471.5	300.1	176.7	80.1	19.6	0.0
22.5°	714.7	480.2	308.1	181.5	82.1	19.9	0.0
20°	725.9	492.1	314.9	185.7	83.8	20.1	0.0
17.5°	739.9	501.8	320.7	189.2	85.2	20.2	0.0
15°	754.4	509.4	325.3	192.0	86.4	20.4	0.0
12.5°	766.3	514.9	328.9	194.2	87.3	20.4	0.0
10°	775.3	518.3	331.3	195.8	87.9	20.5	0.0
7.5°	781.4	519.6	332.7	196.7	88.2	20.5	0.0
5°	784.6	519.0	332.9	196.9	88.3	20.4	0.0
2.5°	784.7	516.5	332.2	196.5	88.1	20.3	0.0
0°	781.8	512.2	330.3	195.5	87.6	20.2	0.0
-2.5°	784.7	516.5	332.2	196.5	88.1	20.3	0.0
-5°	784.6	519.0	332.9	196.9	88.3	20.4	0.0
-7.5°	781.4	519.6	332.7	196.7	88.2	20.5	0.0
-10°	775.3	518.3	331.3	195.8	87.9	20.5	0.0
-12.5°	766.3	514.9	328.9	194.2	87.3	20.4	0.0
-15°	754.4	509.4	325.3	192.0	86.4	20.4	0.0
-17.5°	739.9	501.8	320.7	189.2	85.2	20.2	0.0
-20°	725.9	492.1	314.9	185.7	83.8	20.1	0.0

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REPORT NUMBER: P627681 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	714.7	480.2	308.1	181.5	82.1	19.9	0.0
-25°	701.1	471.5	300.1	176.7	80.1	19.6	0.0
-27.5°	685.3	462.8	291.1	171.2	77.9	19.3	0.0
-30°	667.4	451.9	281.4	165.1	75.4	19.0	0.0
-32.5°	647.3	438.8	275.0	158.4	72.6	18.6	0.0
-35°	628.1	423.4	267.0	151.0	69.5	18.1	0.0
-37.5°	607.3	408.0	257.4	143.0	66.2	17.7	0.0
-40°	583.7	394.6	246.2	134.4	62.7	17.1	0.0
-42.5°	557.3	379.0	234.9	125.8	58.9	16.6	0.0
-45°	528.2	361.2	223.7	117.3	54.8	16.0	0.0
-47.5°	496.5	341.1	211.0	107.9	50.6	15.3	0.0
-50°	468.1	318.8	196.9	100.8	46.1	14.7	0.0
-52.5°	437.7	294.5	181.4	93.9	41.3	13.9	0.0
-55°	404.5	271.5	164.6	86.3	36.4	13.2	0.0
-57.5°	368.6	247.3	146.6	78.1	31.3	12.4	0.0
-60°	330.8	221.3	127.6	69.3	26.1	11.6	0.0
-62.5°	294.9	193.6	113.4	60.0	24.2	10.7	0.0
-65°	256.7	164.3	98.3	50.2	22.3	9.8	0.0
-67.5°	216.5	137.6	82.4	39.8	20.2	8.9	0.0
-70°	174.5	113.7	65.6	29.1	18.2	8.0	0.0
-72.5°	139.5	88.8	48.3	24.3	16.0	7.0	0.0
-75°	104.5	63.0	30.3	20.9	13.8	6.1	0.0
-77.5°	68.4	36.4	23.3	17.5	11.6	5.1	0.0
-80°	31.5	23.3	18.7	14.0	9.3	4.1	0.0
-82.5°	20.9	17.5	14.0	10.5	7.0	3.1	0.0
-85°	14.0	11.7	9.4	7.0	4.7	2.1	0.0
-87.5°	7.0	5.8	4.7	3.5	2.4	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)