

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: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3C-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3C-727-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

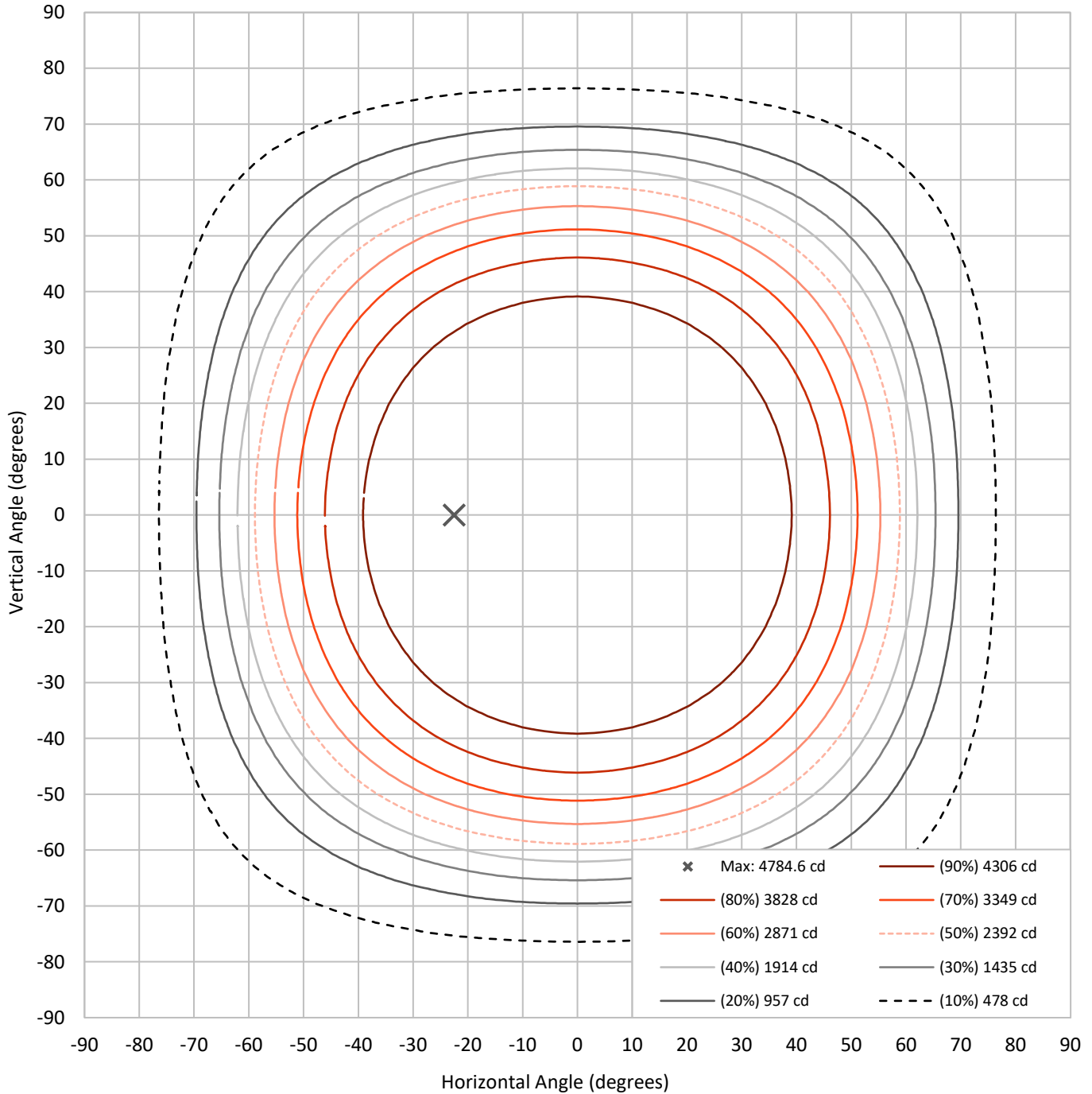
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14636.4 lumens	Max Intensity:	4784.6 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	120.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	12180.7 lumens	Field Lumens:	14348.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	121.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





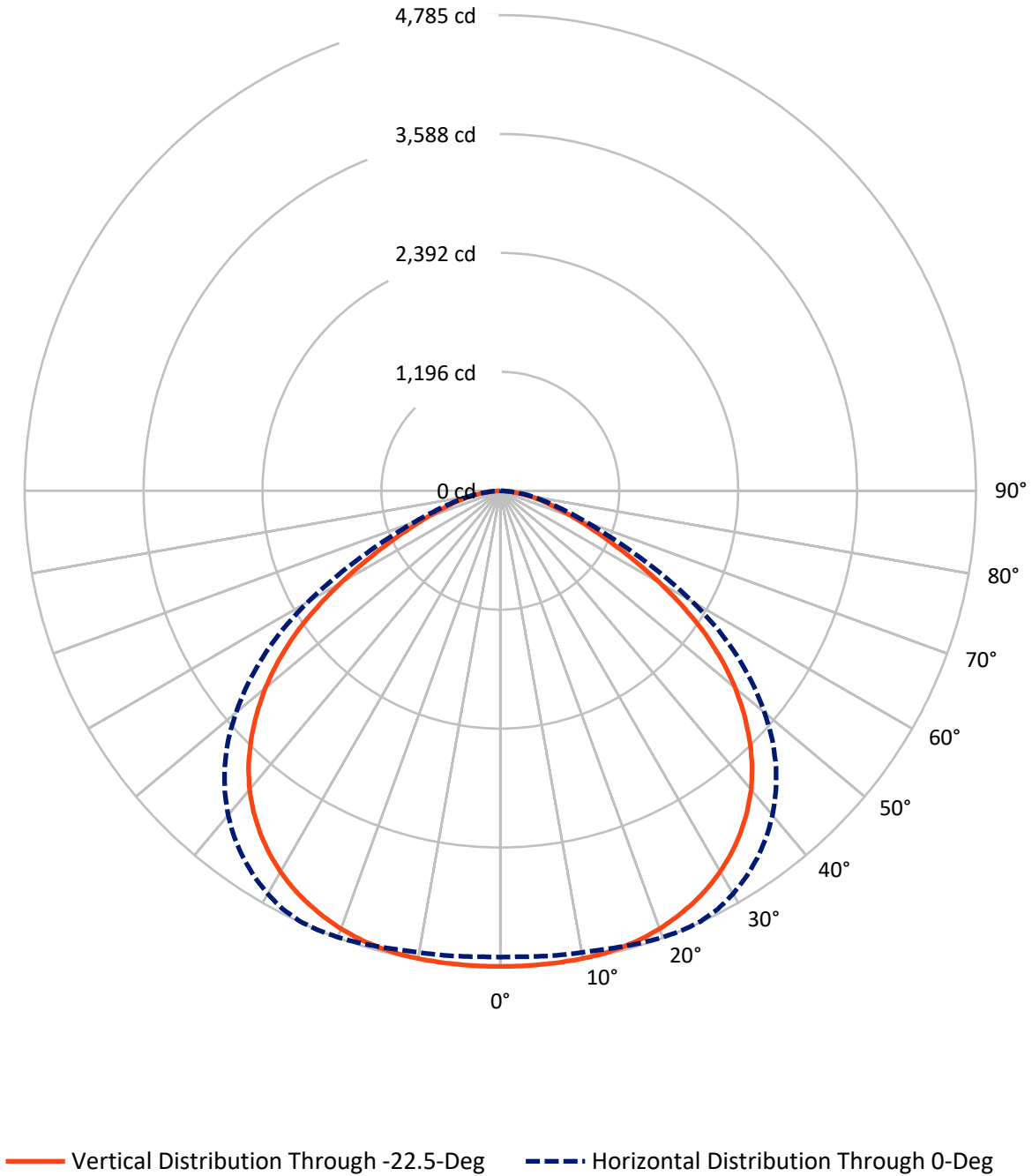
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Lumen Table

90																			
80	0.7	7.6		21.4		35.7		41.8		35.7		21.4		7.6		0.7			
70																			
60	3.6	4.3	8.9	15.6	24.1	33.2	41.0	45.4	45.4	41.0	33.2	24.1	15.6	8.9	4.3	3.6			
50		6.6	15.2	29.4	48.1	66.2	79.7	86.8	86.8	79.7	66.2	48.1	29.4	15.2	6.6				
40	6.8	9.4	24.0	47.8	73.3	94.7	109.7	117.5	117.5	109.7	94.7	73.3	47.8	24.0	9.4	6.8			
30		12.7	34.0	63.4	91.1	113.3	128.2	135.6	135.6	128.2	113.3	91.1	63.4	34.0	12.7				
20	9.4	15.8	42.3	74.0	102.5	124.1	137.8	144.0	144.0	137.8	124.1	102.5	74.0	42.3	15.8	9.4			
10		18.4	47.7	80.5	108.8	129.4	140.3	144.1	144.1	140.3	129.4	108.8	80.5	47.7	18.4				
0	10.3	19.8	50.4	83.6	111.6	131.0	139.7	142.7	142.7	139.7	131.0	111.6	83.6	50.4	19.8	10.3			
-10		19.8	50.4	83.6	111.6	131.0	139.7	142.7	142.7	139.7	131.0	111.6	83.6	50.4	19.8				
-20	9.4	18.4	47.7	80.5	108.8	129.4	140.3	144.1	144.1	140.3	129.4	108.8	80.5	47.7	18.4	9.4			
-30		15.8	42.3	74.0	102.5	124.1	137.8	144.0	144.0	137.8	124.1	102.5	74.0	42.3	15.8				
-40	6.8	12.7	34.0	63.4	91.1	113.3	128.2	135.6	135.6	128.2	113.3	91.1	63.4	34.0	12.7	6.8			
-50		9.4	24.0	47.8	73.3	94.7	109.7	117.5	117.5	109.7	94.7	73.3	47.8	24.0	9.4				
-60	3.6	6.6	15.2	29.4	48.1	66.2	79.7	86.8	86.8	79.7	66.2	48.1	29.4	15.2	6.6	3.6			
-70		4.3	8.9	15.6	24.1	33.2	41.0	45.4	45.4	41.0	33.2	24.1	15.6	8.9	4.3				
-80																			
-90	0.7	7.6		21.4		35.7		41.8		35.7		21.4		7.6		0.7			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

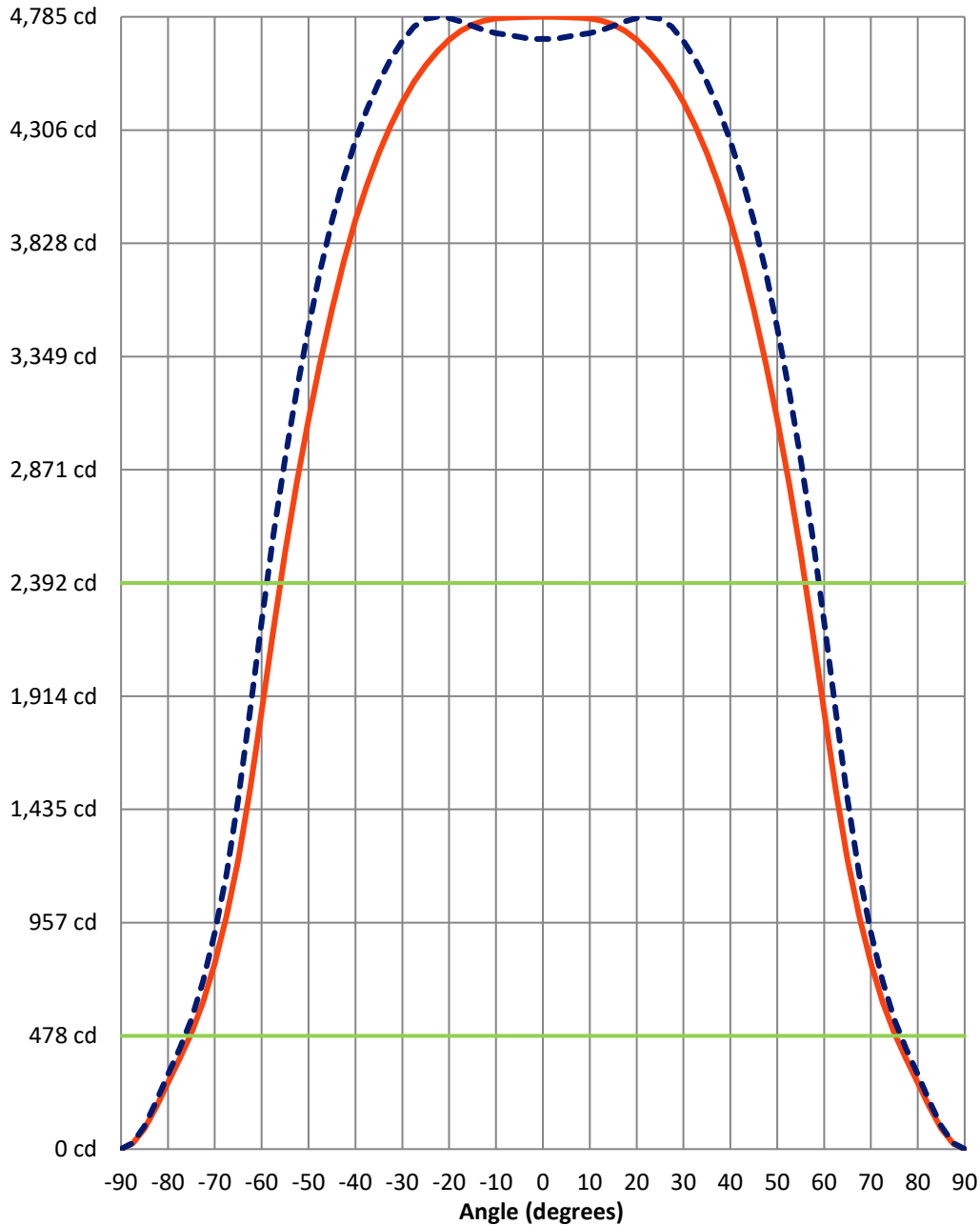
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 12180.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 14348.5
 Efficiency: 98.0%

Spill:
 Lumens: 287.9
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.0	11.1
85°	0.0	2.3	4.6	6.8	9.1	11.3	13.5	15.7	17.9	20.0	22.1
82.5°	0.0	3.4	6.8	10.2	13.6	17.0	20.3	23.6	27.9	36.5	45.1
80°	0.0	4.5	9.1	13.6	18.1	22.6	28.4	40.2	52.0	63.5	74.9
77.5°	0.0	5.7	11.3	17.0	22.6	31.5	46.5	61.3	75.9	90.3	107.7
75°	0.0	6.8	13.5	20.3	28.4	46.5	64.4	82.1	100.7	125.8	150.4
72.5°	0.0	7.9	15.7	23.6	40.2	61.3	82.1	105.2	134.8	164.0	192.8
70°	0.0	9.0	17.9	27.9	52.0	75.9	100.7	134.8	168.6	201.9	238.0
67.5°	0.0	10.0	20.0	36.5	63.5	90.3	125.8	164.0	201.9	243.0	283.5
65°	0.0	11.1	22.1	45.1	74.9	107.7	150.4	192.8	238.0	283.5	327.7
62.5°	0.0	12.1	24.2	53.4	86.0	127.9	174.6	223.0	273.4	322.8	369.7
60°	0.0	13.1	26.2	61.6	96.9	147.7	198.3	253.4	308.1	360.0	410.9
57.5°	0.0	14.1	31.4	69.5	112.1	166.9	223.5	283.1	340.8	396.4	454.9
55°	0.0	15.0	36.6	77.3	127.1	185.7	248.3	312.0	372.3	432.9	499.6
52.5°	0.0	15.9	41.6	84.8	141.7	204.3	272.4	339.0	403.0	472.0	543.1
50°	0.0	16.8	46.5	92.1	155.8	223.7	295.8	365.0	433.9	510.0	597.1
47.5°	0.0	17.7	51.1	99.8	169.4	242.4	318.2	390.1	466.5	546.8	650.7
45°	0.0	18.5	55.6	109.7	182.5	260.5	338.9	414.3	497.9	593.0	702.5
42.5°	0.0	19.3	59.9	119.0	195.0	277.8	358.7	439.3	528.1	637.7	763.6
40°	0.0	20.1	64.0	128.0	207.6	294.3	377.6	464.4	559.9	680.4	823.9
37.5°	0.0	20.8	67.9	136.5	220.1	310.0	395.6	488.4	595.9	724.1	881.3
35°	0.0	21.5	71.6	144.6	231.9	324.4	412.7	511.0	630.0	772.9	940.0
32.5°	0.0	22.1	75.1	152.1	243.1	337.7	429.4	532.3	662.2	818.9	1001.8
30°	0.0	22.7	78.3	159.2	253.4	350.1	446.4	553.8	692.2	862.0	1059.6
27.5°	0.0	23.2	81.3	165.7	263.1	361.6	462.2	578.1	723.0	902.1	1113.5
25°	0.0	23.7	84.0	171.7	272.0	372.3	476.7	600.5	755.6	943.9	1163.8
22.5°	0.0	24.2	86.5	177.2	280.0	382.0	490.0	620.9	785.3	984.4	1222.5
20°	0.0	24.6	88.8	182.2	287.3	390.7	501.9	639.3	812.2	1020.9	1275.6
17.5°	0.0	25.0	90.8	186.5	293.8	398.4	512.5	655.7	836.0	1053.4	1322.7
15°	0.0	25.3	92.5	190.4	299.4	405.2	521.8	669.9	856.8	1081.7	1363.9
12.5°	0.0	25.6	94.0	193.6	304.2	410.9	529.6	682.0	874.5	1105.8	1399.0
10°	0.0	25.8	95.2	196.3	308.1	415.6	536.1	692.0	889.0	1125.7	1427.8
7.5°	0.0	26.0	96.2	198.3	311.2	419.3	541.1	699.8	900.4	1141.1	1450.3
5°	0.0	26.1	96.9	199.8	313.3	421.9	544.7	705.3	908.5	1152.2	1466.5
2.5°	0.0	26.2	97.3	200.7	314.7	423.5	546.9	708.7	913.4	1158.9	1476.2
0°	0.0	26.2	97.4	201.0	315.1	424.0	547.6	709.8	915.0	1161.1	1479.4
-2.5°	0.0	26.2	97.3	200.7	314.7	423.5	546.9	708.7	913.4	1158.9	1476.2
-5°	0.0	26.1	96.9	199.8	313.3	421.9	544.7	705.3	908.5	1152.2	1466.5
-7.5°	0.0	26.0	96.2	198.3	311.2	419.3	541.1	699.8	900.4	1141.1	1450.3
-10°	0.0	25.8	95.2	196.3	308.1	415.6	536.1	692.0	889.0	1125.7	1427.8
-12.5°	0.0	25.6	94.0	193.6	304.2	410.9	529.6	682.0	874.5	1105.8	1399.0
-15°	0.0	25.3	92.5	190.4	299.4	405.2	521.8	669.9	856.8	1081.7	1363.9
-17.5°	0.0	25.0	90.8	186.5	293.8	398.4	512.5	655.7	836.0	1053.4	1322.7
-20°	0.0	24.6	88.8	182.2	287.3	390.7	501.9	639.3	812.2	1020.9	1275.6

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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	24.2	86.5	177.2	280.0	382.0	490.0	620.9	785.3	984.4	1222.5
-25°	0.0	23.7	84.0	171.7	272.0	372.3	476.7	600.5	755.6	943.9	1163.8
-27.5°	0.0	23.2	81.3	165.7	263.1	361.6	462.2	578.1	723.0	902.1	1113.5
-30°	0.0	22.7	78.3	159.2	253.4	350.1	446.4	553.8	692.2	862.0	1059.6
-32.5°	0.0	22.1	75.1	152.1	243.1	337.7	429.4	532.3	662.2	818.9	1001.8
-35°	0.0	21.5	71.6	144.6	231.9	324.4	412.7	511.0	630.0	772.9	940.0
-37.5°	0.0	20.8	67.9	136.5	220.1	310.0	395.6	488.4	595.9	724.1	881.3
-40°	0.0	20.1	64.0	128.0	207.6	294.3	377.6	464.4	559.9	680.4	823.9
-42.5°	0.0	19.3	59.9	119.0	195.0	277.8	358.7	439.3	528.1	637.7	763.6
-45°	0.0	18.5	55.6	109.7	182.5	260.5	338.9	414.3	497.9	593.0	702.5
-47.5°	0.0	17.7	51.1	99.8	169.4	242.4	318.2	390.1	466.5	546.8	650.7
-50°	0.0	16.8	46.5	92.1	155.8	223.7	295.8	365.0	433.9	510.0	597.1
-52.5°	0.0	15.9	41.6	84.8	141.7	204.3	272.4	339.0	403.0	472.0	543.1
-55°	0.0	15.0	36.6	77.3	127.1	185.7	248.3	312.0	372.3	432.9	499.6
-57.5°	0.0	14.1	31.4	69.5	112.1	166.9	223.5	283.1	340.8	396.4	454.9
-60°	0.0	13.1	26.2	61.6	96.9	147.7	198.3	253.4	308.1	360.0	410.9
-62.5°	0.0	12.1	24.2	53.4	86.0	127.9	174.6	223.0	273.4	322.8	369.7
-65°	0.0	11.1	22.1	45.1	74.9	107.7	150.4	192.8	238.0	283.5	327.7
-67.5°	0.0	10.0	20.0	36.5	63.5	90.3	125.8	164.0	201.9	243.0	283.5
-70°	0.0	9.0	17.9	27.9	52.0	75.9	100.7	134.8	168.6	201.9	238.0
-72.5°	0.0	7.9	15.7	23.6	40.2	61.3	82.1	105.2	134.8	164.0	192.8
-75°	0.0	6.8	13.5	20.3	28.4	46.5	64.4	82.1	100.7	125.8	150.4
-77.5°	0.0	5.7	11.3	17.0	22.6	31.5	46.5	61.3	75.9	90.3	107.7
-80°	0.0	4.5	9.1	13.6	18.1	22.6	28.4	40.2	52.0	63.5	74.9
-82.5°	0.0	3.4	6.8	10.2	13.6	17.0	20.3	23.6	27.9	36.5	45.1
-85°	0.0	2.3	4.6	6.8	9.1	11.3	13.5	15.7	17.9	20.0	22.1
-87.5°	0.0	1.1	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.0	11.1
-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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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°	12.1	13.1	14.1	15.0	15.9	16.8	17.7	18.5	19.3	20.1	20.8
85°	24.2	26.2	31.4	36.6	41.6	46.5	51.1	55.6	59.9	64.0	67.9
82.5°	53.4	61.6	69.5	77.3	84.8	92.1	99.8	109.7	119.0	128.0	136.5
80°	86.0	96.9	112.1	127.1	141.7	155.8	169.4	182.5	195.0	207.6	220.1
77.5°	127.9	147.7	166.9	185.7	204.3	223.7	242.4	260.5	277.8	294.3	310.0
75°	174.6	198.3	223.5	248.3	272.4	295.8	318.2	338.9	358.7	377.6	395.6
72.5°	223.0	253.4	283.1	312.0	339.0	365.0	390.1	414.3	439.3	464.4	488.4
70°	273.4	308.1	340.8	372.3	403.0	433.9	466.5	497.9	528.1	559.9	595.9
67.5°	322.8	360.0	396.4	432.9	472.0	510.0	546.8	593.0	637.7	680.4	724.1
65°	369.7	410.9	454.9	499.6	543.1	597.1	650.7	702.5	763.6	823.9	881.3
62.5°	415.8	466.0	516.2	570.8	633.6	694.6	765.4	837.6	907.1	985.4	1061.6
60°	466.0	521.8	585.5	655.7	727.9	812.2	893.9	984.4	1075.6	1163.8	1271.9
57.5°	516.2	585.5	663.1	746.7	840.5	935.1	1041.4	1144.3	1267.7	1390.9	1513.5
55°	570.8	655.7	746.7	849.9	958.0	1075.9	1199.2	1342.8	1481.9	1636.8	1785.1
52.5°	633.6	727.9	840.5	958.0	1087.5	1229.3	1388.3	1552.8	1726.0	1894.2	2059.1
50°	694.6	812.2	935.1	1075.9	1229.3	1403.6	1588.5	1780.0	1969.1	2153.6	2326.3
47.5°	765.4	893.9	1041.4	1199.2	1388.3	1588.5	1798.1	2006.9	2210.8	2400.1	2581.4
45°	837.6	984.4	1144.3	1342.8	1552.8	1780.0	2006.9	2230.0	2437.2	2632.8	2803.8
42.5°	907.1	1075.6	1267.7	1481.9	1726.0	1969.1	2210.8	2437.2	2649.5	2837.8	3009.7
40°	985.4	1163.8	1390.9	1636.8	1894.2	2153.6	2400.1	2632.8	2837.8	3025.3	3199.3
37.5°	1061.6	1271.9	1513.5	1785.1	2059.1	2326.3	2581.4	2803.8	3009.7	3199.3	3366.3
35°	1134.0	1374.8	1643.8	1928.8	2216.6	2488.3	2736.4	2962.9	3167.5	3351.5	3522.2
32.5°	1214.5	1472.0	1767.1	2067.0	2360.0	2636.7	2882.7	3104.3	3307.6	3494.5	3664.0
30°	1297.5	1576.8	1884.1	2197.1	2494.8	2765.4	3010.9	3235.4	3437.1	3621.7	3787.7
27.5°	1374.8	1675.6	1995.7	2314.8	2617.9	2886.0	3128.3	3349.3	3552.1	3737.9	3898.9
25°	1446.2	1767.1	2099.0	2422.6	2721.5	2990.3	3234.8	3455.5	3657.2	3835.6	3992.1
22.5°	1516.6	1850.8	2193.7	2521.5	2816.7	3083.5	3325.7	3547.1	3748.9	3925.6	4075.7
20°	1585.1	1928.8	2277.3	2609.2	2903.0	3168.1	3408.5	3629.4	3825.9	3997.0	4146.4
17.5°	1646.1	1998.4	2350.4	2680.0	2974.1	3240.4	3481.8	3703.4	3895.1	4061.4	4207.5
15°	1699.4	2059.1	2414.3	2741.9	3035.2	3300.5	3541.9	3761.0	3951.5	4116.3	4261.4
12.5°	1744.7	2110.9	2468.9	2794.9	3087.4	3351.9	3593.3	3809.4	3996.7	4159.4	4301.4
10°	1782.1	2153.6	2513.8	2838.5	3130.5	3394.3	3635.8	3849.5	4034.2	4195.2	4334.6
7.5°	1811.2	2186.9	2549.0	2872.6	3164.2	3427.6	3669.2	3881.0	4063.7	4223.4	4360.9
5°	1832.1	2210.8	2574.2	2897.1	3188.4	3451.5	3693.2	3903.7	4084.9	4243.7	4379.8
2.5°	1844.7	2225.2	2589.3	2911.9	3203.0	3465.9	3707.7	3917.3	4097.7	4256.0	4391.3
0°	1848.9	2230.0	2594.4	2916.8	3207.9	3470.7	3712.5	3921.9	4102.0	4260.1	4395.1
-2.5°	1844.7	2225.2	2589.3	2911.9	3203.0	3465.9	3707.7	3917.3	4097.7	4256.0	4391.3
-5°	1832.1	2210.8	2574.2	2897.1	3188.4	3451.5	3693.2	3903.7	4084.9	4243.7	4379.8
-7.5°	1811.2	2186.9	2549.0	2872.6	3164.2	3427.6	3669.2	3881.0	4063.7	4223.4	4360.9
-10°	1782.1	2153.6	2513.8	2838.5	3130.5	3394.3	3635.8	3849.5	4034.2	4195.2	4334.6
-12.5°	1744.7	2110.9	2468.9	2794.9	3087.4	3351.9	3593.3	3809.4	3996.7	4159.4	4301.4
-15°	1699.4	2059.1	2414.3	2741.9	3035.2	3300.5	3541.9	3761.0	3951.5	4116.3	4261.4
-17.5°	1646.1	1998.4	2350.4	2680.0	2974.1	3240.4	3481.8	3703.4	3895.1	4061.4	4207.5
-20°	1585.1	1928.8	2277.3	2609.2	2903.0	3168.1	3408.5	3629.4	3825.9	3997.0	4146.4



REPORT NUMBER: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1516.6	1850.8	2193.7	2521.5	2816.7	3083.5	3325.7	3547.1	3748.9	3925.6	4075.7
-25°	1446.2	1767.1	2099.0	2422.6	2721.5	2990.3	3234.8	3455.5	3657.2	3835.6	3992.1
-27.5°	1374.8	1675.6	1995.7	2314.8	2617.9	2886.0	3128.3	3349.3	3552.1	3737.9	3898.9
-30°	1297.5	1576.8	1884.1	2197.1	2494.8	2765.4	3010.9	3235.4	3437.1	3621.7	3787.7
-32.5°	1214.5	1472.0	1767.1	2067.0	2360.0	2636.7	2882.7	3104.3	3307.6	3494.5	3664.0
-35°	1134.0	1374.8	1643.8	1928.8	2216.6	2488.3	2736.4	2962.9	3167.5	3351.5	3522.2
-37.5°	1061.6	1271.9	1513.5	1785.1	2059.1	2326.3	2581.4	2803.8	3009.7	3199.3	3366.3
-40°	985.4	1163.8	1390.9	1636.8	1894.2	2153.6	2400.1	2632.8	2837.8	3025.3	3199.3
-42.5°	907.1	1075.6	1267.7	1481.9	1726.0	1969.1	2210.8	2437.2	2649.5	2837.8	3009.7
-45°	837.6	984.4	1144.3	1342.8	1552.8	1780.0	2006.9	2230.0	2437.2	2632.8	2803.8
-47.5°	765.4	893.9	1041.4	1199.2	1388.3	1588.5	1798.1	2006.9	2210.8	2400.1	2581.4
-50°	694.6	812.2	935.1	1075.9	1229.3	1403.6	1588.5	1780.0	1969.1	2153.6	2326.3
-52.5°	633.6	727.9	840.5	958.0	1087.5	1229.3	1388.3	1552.8	1726.0	1894.2	2059.1
-55°	570.8	655.7	746.7	849.9	958.0	1075.9	1199.2	1342.8	1481.9	1636.8	1785.1
-57.5°	516.2	585.5	663.1	746.7	840.5	935.1	1041.4	1144.3	1267.7	1390.9	1513.5
-60°	466.0	521.8	585.5	655.7	727.9	812.2	893.9	984.4	1075.6	1163.8	1271.9
-62.5°	415.8	466.0	516.2	570.8	633.6	694.6	765.4	837.6	907.1	985.4	1061.6
-65°	369.7	410.9	454.9	499.6	543.1	597.1	650.7	702.5	763.6	823.9	881.3
-67.5°	322.8	360.0	396.4	432.9	472.0	510.0	546.8	593.0	637.7	680.4	724.1
-70°	273.4	308.1	340.8	372.3	403.0	433.9	466.5	497.9	528.1	559.9	595.9
-72.5°	223.0	253.4	283.1	312.0	339.0	365.0	390.1	414.3	439.3	464.4	488.4
-75°	174.6	198.3	223.5	248.3	272.4	295.8	318.2	338.9	358.7	377.6	395.6
-77.5°	127.9	147.7	166.9	185.7	204.3	223.7	242.4	260.5	277.8	294.3	310.0
-80°	86.0	96.9	112.1	127.1	141.7	155.8	169.4	182.5	195.0	207.6	220.1
-82.5°	53.4	61.6	69.5	77.3	84.8	92.1	99.8	109.7	119.0	128.0	136.5
-85°	24.2	26.2	31.4	36.6	41.6	46.5	51.1	55.6	59.9	64.0	67.9
-87.5°	12.1	13.1	14.1	15.0	15.9	16.8	17.7	18.5	19.3	20.1	20.8
-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: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-U-LAM-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°	21.5	22.1	22.7	23.2	23.7	24.2	24.6	25.0	25.3	25.6	25.8
85°	71.6	75.1	78.3	81.3	84.0	86.5	88.8	90.8	92.5	94.0	95.2
82.5°	144.6	152.1	159.2	165.7	171.7	177.2	182.2	186.5	190.4	193.6	196.3
80°	231.9	243.1	253.4	263.1	272.0	280.0	287.3	293.8	299.4	304.2	308.1
77.5°	324.4	337.7	350.1	361.6	372.3	382.0	390.7	398.4	405.2	410.9	415.6
75°	412.7	429.4	446.4	462.2	476.7	490.0	501.9	512.5	521.8	529.6	536.1
72.5°	511.0	532.3	553.8	578.1	600.5	620.9	639.3	655.7	669.9	682.0	692.0
70°	630.0	662.2	692.2	723.0	755.6	785.3	812.2	836.0	856.8	874.5	889.0
67.5°	772.9	818.9	862.0	902.1	943.9	984.4	1020.9	1053.4	1081.7	1105.8	1125.7
65°	940.0	1001.8	1059.6	1113.5	1163.8	1222.5	1275.6	1322.7	1363.9	1399.0	1427.8
62.5°	1134.0	1214.5	1297.5	1374.8	1446.2	1516.6	1585.1	1646.1	1699.4	1744.7	1782.1
60°	1374.8	1472.0	1576.8	1675.6	1767.1	1850.8	1928.8	1998.4	2059.1	2110.9	2153.6
57.5°	1643.8	1767.1	1884.1	1995.7	2099.0	2193.7	2277.3	2350.4	2414.3	2468.9	2513.8
55°	1928.8	2067.0	2197.1	2314.8	2422.6	2521.5	2609.2	2680.0	2741.9	2794.9	2838.5
52.5°	2216.6	2360.0	2494.8	2617.9	2721.5	2816.7	2903.0	2974.1	3035.2	3087.4	3130.5
50°	2488.3	2636.7	2765.4	2886.0	2990.3	3083.5	3168.1	3240.4	3300.5	3351.9	3394.3
47.5°	2736.4	2882.7	3010.9	3128.3	3234.8	3325.7	3408.5	3481.8	3541.9	3593.3	3635.8
45°	2962.9	3104.3	3235.4	3349.3	3455.5	3547.1	3629.4	3703.4	3761.0	3809.4	3849.5
42.5°	3167.5	3307.6	3437.1	3552.1	3657.2	3748.9	3825.9	3895.1	3951.5	3996.7	4034.2
40°	3351.5	3494.5	3621.7	3737.9	3835.6	3925.6	3997.0	4061.4	4116.3	4159.4	4195.2
37.5°	3522.2	3664.0	3787.7	3898.9	3992.1	4075.7	4146.4	4207.5	4261.4	4301.4	4334.6
35°	3678.2	3812.9	3935.3	4037.3	4129.6	4208.4	4278.0	4334.3	4384.4	4422.5	4452.8
32.5°	3812.9	3946.5	4060.2	4160.5	4250.7	4324.2	4390.9	4442.5	4488.0	4524.6	4552.8
30°	3935.3	4060.2	4171.0	4270.4	4352.4	4424.1	4484.2	4534.6	4576.5	4611.5	4636.3
27.5°	4037.3	4160.5	4270.4	4362.0	4440.5	4509.5	4564.5	4613.0	4649.7	4681.9	4703.2
25°	4129.6	4250.7	4352.4	4440.5	4516.9	4579.8	4632.1	4676.1	4708.6	4736.1	4752.0
22.5°	4208.4	4324.2	4424.1	4509.5	4579.8	4638.6	4688.0	4725.2	4751.8	4768.4	4777.8
20°	4278.0	4390.9	4484.2	4564.5	4632.1	4688.0	4730.8	4758.3	4776.8	4781.4	4784.1
17.5°	4334.3	4442.5	4534.6	4613.0	4676.1	4725.2	4758.3	4777.7	4783.3	4782.3	4779.6
15°	4384.4	4488.0	4576.5	4649.7	4708.6	4751.8	4776.8	4783.3	4781.7	4776.1	4767.4
12.5°	4422.5	4524.6	4611.5	4681.9	4736.1	4768.4	4781.4	4782.3	4776.1	4765.3	4753.1
10°	4452.8	4552.8	4636.3	4703.2	4752.0	4777.8	4784.1	4779.6	4767.4	4753.1	4739.5
7.5°	4476.8	4575.2	4656.0	4720.2	4762.4	4780.7	4782.1	4773.5	4758.9	4742.7	4728.0
5°	4494.2	4591.4	4670.4	4732.6	4770.0	4782.9	4780.6	4768.7	4751.9	4734.9	4721.4
2.5°	4504.7	4601.2	4679.1	4740.2	4774.6	4784.2	4779.7	4765.7	4747.4	4729.8	4717.0
0°	4508.2	4604.5	4682.0	4742.7	4776.2	4784.6	4779.4	4764.7	4745.9	4728.1	4715.5
-2.5°	4504.7	4601.2	4679.1	4740.2	4774.6	4784.2	4779.7	4765.7	4747.4	4729.8	4717.0
-5°	4494.2	4591.4	4670.4	4732.6	4770.0	4782.9	4780.6	4768.7	4751.9	4734.9	4721.4
-7.5°	4476.8	4575.2	4656.0	4720.2	4762.4	4780.7	4782.1	4773.5	4758.9	4742.7	4728.0
-10°	4452.8	4552.8	4636.3	4703.2	4752.0	4777.8	4784.1	4779.6	4767.4	4753.1	4739.5
-12.5°	4422.5	4524.6	4611.5	4681.9	4736.1	4768.4	4781.4	4782.3	4776.1	4765.3	4753.1
-15°	4384.4	4488.0	4576.5	4649.7	4708.6	4751.8	4776.8	4783.3	4781.7	4776.1	4767.4
-17.5°	4334.3	4442.5	4534.6	4613.0	4676.1	4725.2	4758.3	4777.7	4783.3	4782.3	4779.6
-20°	4278.0	4390.9	4484.2	4564.5	4632.1	4688.0	4730.8	4758.3	4776.8	4781.4	4784.1



REPORT NUMBER: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4208.4	4324.2	4424.1	4509.5	4579.8	4638.6	4688.0	4725.2	4751.8	4768.4	4777.8
-25°	4129.6	4250.7	4352.4	4440.5	4516.9	4579.8	4632.1	4676.1	4708.6	4736.1	4752.0
-27.5°	4037.3	4160.5	4270.4	4362.0	4440.5	4509.5	4564.5	4613.0	4649.7	4681.9	4703.2
-30°	3935.3	4060.2	4171.0	4270.4	4352.4	4424.1	4484.2	4534.6	4576.5	4611.5	4636.3
-32.5°	3812.9	3946.5	4060.2	4160.5	4250.7	4324.2	4390.9	4442.5	4488.0	4524.6	4552.8
-35°	3678.2	3812.9	3935.3	4037.3	4129.6	4208.4	4278.0	4334.3	4384.4	4422.5	4452.8
-37.5°	3522.2	3664.0	3787.7	3898.9	3992.1	4075.7	4146.4	4207.5	4261.4	4301.4	4334.6
-40°	3351.5	3494.5	3621.7	3737.9	3835.6	3925.6	3997.0	4061.4	4116.3	4159.4	4195.2
-42.5°	3167.5	3307.6	3437.1	3552.1	3657.2	3748.9	3825.9	3895.1	3951.5	3996.7	4034.2
-45°	2962.9	3104.3	3235.4	3349.3	3455.5	3547.1	3629.4	3703.4	3761.0	3809.4	3849.5
-47.5°	2736.4	2882.7	3010.9	3128.3	3234.8	3325.7	3408.5	3481.8	3541.9	3593.3	3635.8
-50°	2488.3	2636.7	2765.4	2886.0	2990.3	3083.5	3168.1	3240.4	3300.5	3351.9	3394.3
-52.5°	2216.6	2360.0	2494.8	2617.9	2721.5	2816.7	2903.0	2974.1	3035.2	3087.4	3130.5
-55°	1928.8	2067.0	2197.1	2314.8	2422.6	2521.5	2609.2	2680.0	2741.9	2794.9	2838.5
-57.5°	1643.8	1767.1	1884.1	1995.7	2099.0	2193.7	2277.3	2350.4	2414.3	2468.9	2513.8
-60°	1374.8	1472.0	1576.8	1675.6	1767.1	1850.8	1928.8	1998.4	2059.1	2110.9	2153.6
-62.5°	1134.0	1214.5	1297.5	1374.8	1446.2	1516.6	1585.1	1646.1	1699.4	1744.7	1782.1
-65°	940.0	1001.8	1059.6	1113.5	1163.8	1222.5	1275.6	1322.7	1363.9	1399.0	1427.8
-67.5°	772.9	818.9	862.0	902.1	943.9	984.4	1020.9	1053.4	1081.7	1105.8	1125.7
-70°	630.0	662.2	692.2	723.0	755.6	785.3	812.2	836.0	856.8	874.5	889.0
-72.5°	511.0	532.3	553.8	578.1	600.5	620.9	639.3	655.7	669.9	682.0	692.0
-75°	412.7	429.4	446.4	462.2	476.7	490.0	501.9	512.5	521.8	529.6	536.1
-77.5°	324.4	337.7	350.1	361.6	372.3	382.0	390.7	398.4	405.2	410.9	415.6
-80°	231.9	243.1	253.4	263.1	272.0	280.0	287.3	293.8	299.4	304.2	308.1
-82.5°	144.6	152.1	159.2	165.7	171.7	177.2	182.2	186.5	190.4	193.6	196.3
-85°	71.6	75.1	78.3	81.3	84.0	86.5	88.8	90.8	92.5	94.0	95.2
-87.5°	21.5	22.1	22.7	23.2	23.7	24.2	24.6	25.0	25.3	25.6	25.8
-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: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-U-LAM-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°	26.0	26.1	26.2	26.2	26.2	26.1	26.0	25.8	25.6	25.3	25.0
85°	96.2	96.9	97.3	97.4	97.3	96.9	96.2	95.2	94.0	92.5	90.8
82.5°	198.3	199.8	200.7	201.0	200.7	199.8	198.3	196.3	193.6	190.4	186.5
80°	311.2	313.3	314.7	315.1	314.7	313.3	311.2	308.1	304.2	299.4	293.8
77.5°	419.3	421.9	423.5	424.0	423.5	421.9	419.3	415.6	410.9	405.2	398.4
75°	541.1	544.7	546.9	547.6	546.9	544.7	541.1	536.1	529.6	521.8	512.5
72.5°	699.8	705.3	708.7	709.8	708.7	705.3	699.8	692.0	682.0	669.9	655.7
70°	900.4	908.5	913.4	915.0	913.4	908.5	900.4	889.0	874.5	856.8	836.0
67.5°	1141.1	1152.2	1158.9	1161.1	1158.9	1152.2	1141.1	1125.7	1105.8	1081.7	1053.4
65°	1450.3	1466.5	1476.2	1479.4	1476.2	1466.5	1450.3	1427.8	1399.0	1363.9	1322.7
62.5°	1811.2	1832.1	1844.7	1848.9	1844.7	1832.1	1811.2	1782.1	1744.7	1699.4	1646.1
60°	2186.9	2210.8	2225.2	2230.0	2225.2	2210.8	2186.9	2153.6	2110.9	2059.1	1998.4
57.5°	2549.0	2574.2	2589.3	2594.4	2589.3	2574.2	2549.0	2513.8	2468.9	2414.3	2350.4
55°	2872.6	2897.1	2911.9	2916.8	2911.9	2897.1	2872.6	2838.5	2794.9	2741.9	2680.0
52.5°	3164.2	3188.4	3203.0	3207.9	3203.0	3188.4	3164.2	3130.5	3087.4	3035.2	2974.1
50°	3427.6	3451.5	3465.9	3470.7	3465.9	3451.5	3427.6	3394.3	3351.9	3300.5	3240.4
47.5°	3669.2	3693.2	3707.7	3712.5	3707.7	3693.2	3669.2	3635.8	3593.3	3541.9	3481.8
45°	3881.0	3903.7	3917.3	3921.9	3917.3	3903.7	3881.0	3849.5	3809.4	3761.0	3703.4
42.5°	4063.7	4084.9	4097.7	4102.0	4097.7	4084.9	4063.7	4034.2	3996.7	3951.5	3895.1
40°	4223.4	4243.7	4256.0	4260.1	4256.0	4243.7	4223.4	4195.2	4159.4	4116.3	4061.4
37.5°	4360.9	4379.8	4391.3	4395.1	4391.3	4379.8	4360.9	4334.6	4301.4	4261.4	4207.5
35°	4476.8	4494.2	4504.7	4508.2	4504.7	4494.2	4476.8	4452.8	4422.5	4384.4	4334.3
32.5°	4575.2	4591.4	4601.2	4604.5	4601.2	4591.4	4575.2	4552.8	4524.6	4488.0	4442.5
30°	4656.0	4670.4	4679.1	4682.0	4679.1	4670.4	4656.0	4636.3	4611.5	4576.5	4534.6
27.5°	4720.2	4732.6	4740.2	4742.7	4740.2	4732.6	4720.2	4703.2	4681.9	4649.7	4613.0
25°	4762.4	4770.0	4774.6	4776.2	4774.6	4770.0	4762.4	4752.0	4736.1	4708.6	4676.1
22.5°	4780.7	4782.9	4784.2	4784.6	4784.2	4782.9	4780.7	4777.8	4768.4	4751.8	4725.2
20°	4782.1	4780.6	4779.7	4779.4	4779.7	4780.6	4782.1	4784.1	4781.4	4776.8	4758.3
17.5°	4773.5	4768.7	4765.7	4764.7	4765.7	4768.7	4773.5	4779.6	4782.3	4783.3	4777.7
15°	4758.9	4751.9	4747.4	4745.9	4747.4	4751.9	4758.9	4767.4	4776.1	4781.7	4783.3
12.5°	4742.7	4734.9	4729.8	4728.1	4729.8	4734.9	4742.7	4753.1	4765.3	4776.1	4782.3
10°	4728.0	4721.4	4717.0	4715.5	4717.0	4721.4	4728.0	4739.5	4753.1	4767.4	4779.6
7.5°	4718.5	4712.6	4709.4	4708.2	4709.4	4712.6	4718.5	4728.0	4742.7	4758.9	4773.5
5°	4712.6	4706.7	4701.8	4699.8	4701.8	4706.7	4712.6	4721.4	4734.9	4751.9	4768.7
2.5°	4709.4	4701.8	4694.3	4690.4	4694.3	4701.8	4709.4	4717.0	4729.8	4747.4	4765.7
0°	4708.2	4699.8	4690.4	4691.4	4690.4	4699.8	4708.2	4715.5	4728.1	4745.9	4764.7
-2.5°	4709.4	4701.8	4694.3	4690.4	4694.3	4701.8	4709.4	4717.0	4729.8	4747.4	4765.7
-5°	4712.6	4706.7	4701.8	4699.8	4701.8	4706.7	4712.6	4721.4	4734.9	4751.9	4768.7
-7.5°	4718.5	4712.6	4709.4	4708.2	4709.4	4712.6	4718.5	4728.0	4742.7	4758.9	4773.5
-10°	4728.0	4721.4	4717.0	4715.5	4717.0	4721.4	4728.0	4739.5	4753.1	4767.4	4779.6
-12.5°	4742.7	4734.9	4729.8	4728.1	4729.8	4734.9	4742.7	4753.1	4765.3	4776.1	4782.3
-15°	4758.9	4751.9	4747.4	4745.9	4747.4	4751.9	4758.9	4767.4	4776.1	4781.7	4783.3
-17.5°	4773.5	4768.7	4765.7	4764.7	4765.7	4768.7	4773.5	4779.6	4782.3	4783.3	4777.7
-20°	4782.1	4780.6	4779.7	4779.4	4779.7	4780.6	4782.1	4784.1	4781.4	4776.8	4758.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4780.7	4782.9	4784.2	4784.6	4784.2	4782.9	4780.7	4777.8	4768.4	4751.8	4725.2
-25°	4762.4	4770.0	4774.6	4776.2	4774.6	4770.0	4762.4	4752.0	4736.1	4708.6	4676.1
-27.5°	4720.2	4732.6	4740.2	4742.7	4740.2	4732.6	4720.2	4703.2	4681.9	4649.7	4613.0
-30°	4656.0	4670.4	4679.1	4682.0	4679.1	4670.4	4656.0	4636.3	4611.5	4576.5	4534.6
-32.5°	4575.2	4591.4	4601.2	4604.5	4601.2	4591.4	4575.2	4552.8	4524.6	4488.0	4442.5
-35°	4476.8	4494.2	4504.7	4508.2	4504.7	4494.2	4476.8	4452.8	4422.5	4384.4	4334.3
-37.5°	4360.9	4379.8	4391.3	4395.1	4391.3	4379.8	4360.9	4334.6	4301.4	4261.4	4207.5
-40°	4223.4	4243.7	4256.0	4260.1	4256.0	4243.7	4223.4	4195.2	4159.4	4116.3	4061.4
-42.5°	4063.7	4084.9	4097.7	4102.0	4097.7	4084.9	4063.7	4034.2	3996.7	3951.5	3895.1
-45°	3881.0	3903.7	3917.3	3921.9	3917.3	3903.7	3881.0	3849.5	3809.4	3761.0	3703.4
-47.5°	3669.2	3693.2	3707.7	3712.5	3707.7	3693.2	3669.2	3635.8	3593.3	3541.9	3481.8
-50°	3427.6	3451.5	3465.9	3470.7	3465.9	3451.5	3427.6	3394.3	3351.9	3300.5	3240.4
-52.5°	3164.2	3188.4	3203.0	3207.9	3203.0	3188.4	3164.2	3130.5	3087.4	3035.2	2974.1
-55°	2872.6	2897.1	2911.9	2916.8	2911.9	2897.1	2872.6	2838.5	2794.9	2741.9	2680.0
-57.5°	2549.0	2574.2	2589.3	2594.4	2589.3	2574.2	2549.0	2513.8	2468.9	2414.3	2350.4
-60°	2186.9	2210.8	2225.2	2230.0	2225.2	2210.8	2186.9	2153.6	2110.9	2059.1	1998.4
-62.5°	1811.2	1832.1	1844.7	1848.9	1844.7	1832.1	1811.2	1782.1	1744.7	1699.4	1646.1
-65°	1450.3	1466.5	1476.2	1479.4	1476.2	1466.5	1450.3	1427.8	1399.0	1363.9	1322.7
-67.5°	1141.1	1152.2	1158.9	1161.1	1158.9	1152.2	1141.1	1125.7	1105.8	1081.7	1053.4
-70°	900.4	908.5	913.4	915.0	913.4	908.5	900.4	889.0	874.5	856.8	836.0
-72.5°	699.8	705.3	708.7	709.8	708.7	705.3	699.8	692.0	682.0	669.9	655.7
-75°	541.1	544.7	546.9	547.6	546.9	544.7	541.1	536.1	529.6	521.8	512.5
-77.5°	419.3	421.9	423.5	424.0	423.5	421.9	419.3	415.6	410.9	405.2	398.4
-80°	311.2	313.3	314.7	315.1	314.7	313.3	311.2	308.1	304.2	299.4	293.8
-82.5°	198.3	199.8	200.7	201.0	200.7	199.8	198.3	196.3	193.6	190.4	186.5
-85°	96.2	96.9	97.3	97.4	97.3	96.9	96.2	95.2	94.0	92.5	90.8
-87.5°	26.0	26.1	26.2	26.2	26.2	26.1	26.0	25.8	25.6	25.3	25.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-U-LAM-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°	24.6	24.2	23.7	23.2	22.7	22.1	21.5	20.8	20.1	19.3	18.5
85°	88.8	86.5	84.0	81.3	78.3	75.1	71.6	67.9	64.0	59.9	55.6
82.5°	182.2	177.2	171.7	165.7	159.2	152.1	144.6	136.5	128.0	119.0	109.7
80°	287.3	280.0	272.0	263.1	253.4	243.1	231.9	220.1	207.6	195.0	182.5
77.5°	390.7	382.0	372.3	361.6	350.1	337.7	324.4	310.0	294.3	277.8	260.5
75°	501.9	490.0	476.7	462.2	446.4	429.4	412.7	395.6	377.6	358.7	338.9
72.5°	639.3	620.9	600.5	578.1	553.8	532.3	511.0	488.4	464.4	439.3	414.3
70°	812.2	785.3	755.6	723.0	692.2	662.2	630.0	595.9	559.9	528.1	497.9
67.5°	1020.9	984.4	943.9	902.1	862.0	818.9	772.9	724.1	680.4	637.7	593.0
65°	1275.6	1222.5	1163.8	1113.5	1059.6	1001.8	940.0	881.3	823.9	763.6	702.5
62.5°	1585.1	1516.6	1446.2	1374.8	1297.5	1214.5	1134.0	1061.6	985.4	907.1	837.6
60°	1928.8	1850.8	1767.1	1675.6	1576.8	1472.0	1374.8	1271.9	1163.8	1075.6	984.4
57.5°	2277.3	2193.7	2099.0	1995.7	1884.1	1767.1	1643.8	1513.5	1390.9	1267.7	1144.3
55°	2609.2	2521.5	2422.6	2314.8	2197.1	2067.0	1928.8	1785.1	1636.8	1481.9	1342.8
52.5°	2903.0	2816.7	2721.5	2617.9	2494.8	2360.0	2216.6	2059.1	1894.2	1726.0	1552.8
50°	3168.1	3083.5	2990.3	2886.0	2765.4	2636.7	2488.3	2326.3	2153.6	1969.1	1780.0
47.5°	3408.5	3325.7	3234.8	3128.3	3010.9	2882.7	2736.4	2581.4	2400.1	2210.8	2006.9
45°	3629.4	3547.1	3455.5	3349.3	3235.4	3104.3	2962.9	2803.8	2632.8	2437.2	2230.0
42.5°	3825.9	3748.9	3657.2	3552.1	3437.1	3307.6	3167.5	3009.7	2837.8	2649.5	2437.2
40°	3997.0	3925.6	3835.6	3737.9	3621.7	3494.5	3351.5	3199.3	3025.3	2837.8	2632.8
37.5°	4146.4	4075.7	3992.1	3898.9	3787.7	3664.0	3522.2	3366.3	3199.3	3009.7	2803.8
35°	4278.0	4208.4	4129.6	4037.3	3935.3	3812.9	3678.2	3522.2	3351.5	3167.5	2962.9
32.5°	4390.9	4324.2	4250.7	4160.5	4060.2	3946.5	3812.9	3664.0	3494.5	3307.6	3104.3
30°	4484.2	4424.1	4352.4	4270.4	4171.0	4060.2	3935.3	3787.7	3621.7	3437.1	3235.4
27.5°	4564.5	4509.5	4440.5	4362.0	4270.4	4160.5	4037.3	3898.9	3737.9	3552.1	3349.3
25°	4632.1	4579.8	4516.9	4440.5	4352.4	4250.7	4129.6	3992.1	3835.6	3657.2	3455.5
22.5°	4688.0	4638.6	4579.8	4509.5	4424.1	4324.2	4208.4	4075.7	3925.6	3748.9	3547.1
20°	4730.8	4688.0	4632.1	4564.5	4484.2	4390.9	4278.0	4146.4	3997.0	3825.9	3629.4
17.5°	4758.3	4725.2	4676.1	4613.0	4534.6	4442.5	4334.3	4207.5	4061.4	3895.1	3703.4
15°	4776.8	4751.8	4708.6	4649.7	4576.5	4488.0	4384.4	4261.4	4116.3	3951.5	3761.0
12.5°	4781.4	4768.4	4736.1	4681.9	4611.5	4524.6	4422.5	4301.4	4159.4	3996.7	3809.4
10°	4784.1	4777.8	4752.0	4703.2	4636.3	4552.8	4452.8	4334.6	4195.2	4034.2	3849.5
7.5°	4782.1	4780.7	4762.4	4720.2	4656.0	4575.2	4476.8	4360.9	4223.4	4063.7	3881.0
5°	4780.6	4782.9	4770.0	4732.6	4670.4	4591.4	4494.2	4379.8	4243.7	4084.9	3903.7
2.5°	4779.7	4784.2	4774.6	4740.2	4679.1	4601.2	4504.7	4391.3	4256.0	4097.7	3917.3
0°	4779.4	4784.6	4776.2	4742.7	4682.0	4604.5	4508.2	4395.1	4260.1	4102.0	3921.9
-2.5°	4779.7	4784.2	4774.6	4740.2	4679.1	4601.2	4504.7	4391.3	4256.0	4097.7	3917.3
-5°	4780.6	4782.9	4770.0	4732.6	4670.4	4591.4	4494.2	4379.8	4243.7	4084.9	3903.7
-7.5°	4782.1	4780.7	4762.4	4720.2	4656.0	4575.2	4476.8	4360.9	4223.4	4063.7	3881.0
-10°	4784.1	4777.8	4752.0	4703.2	4636.3	4552.8	4452.8	4334.6	4195.2	4034.2	3849.5
-12.5°	4781.4	4768.4	4736.1	4681.9	4611.5	4524.6	4422.5	4301.4	4159.4	3996.7	3809.4
-15°	4776.8	4751.8	4708.6	4649.7	4576.5	4488.0	4384.4	4261.4	4116.3	3951.5	3761.0
-17.5°	4758.3	4725.2	4676.1	4613.0	4534.6	4442.5	4334.3	4207.5	4061.4	3895.1	3703.4
-20°	4730.8	4688.0	4632.1	4564.5	4484.2	4390.9	4278.0	4146.4	3997.0	3825.9	3629.4



REPORT NUMBER: P645418 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4688.0	4638.6	4579.8	4509.5	4424.1	4324.2	4208.4	4075.7	3925.6	3748.9	3547.1
-25°	4632.1	4579.8	4516.9	4440.5	4352.4	4250.7	4129.6	3992.1	3835.6	3657.2	3455.5
-27.5°	4564.5	4509.5	4440.5	4362.0	4270.4	4160.5	4037.3	3898.9	3737.9	3552.1	3349.3
-30°	4484.2	4424.1	4352.4	4270.4	4171.0	4060.2	3935.3	3787.7	3621.7	3437.1	3235.4
-32.5°	4390.9	4324.2	4250.7	4160.5	4060.2	3946.5	3812.9	3664.0	3494.5	3307.6	3104.3
-35°	4278.0	4208.4	4129.6	4037.3	3935.3	3812.9	3678.2	3522.2	3351.5	3167.5	2962.9
-37.5°	4146.4	4075.7	3992.1	3898.9	3787.7	3664.0	3522.2	3366.3	3199.3	3009.7	2803.8
-40°	3997.0	3925.6	3835.6	3737.9	3621.7	3494.5	3351.5	3199.3	3025.3	2837.8	2632.8
-42.5°	3825.9	3748.9	3657.2	3552.1	3437.1	3307.6	3167.5	3009.7	2837.8	2649.5	2437.2
-45°	3629.4	3547.1	3455.5	3349.3	3235.4	3104.3	2962.9	2803.8	2632.8	2437.2	2230.0
-47.5°	3408.5	3325.7	3234.8	3128.3	3010.9	2882.7	2736.4	2581.4	2400.1	2210.8	2006.9
-50°	3168.1	3083.5	2990.3	2886.0	2765.4	2636.7	2488.3	2326.3	2153.6	1969.1	1780.0
-52.5°	2903.0	2816.7	2721.5	2617.9	2494.8	2360.0	2216.6	2059.1	1894.2	1726.0	1552.8
-55°	2609.2	2521.5	2422.6	2314.8	2197.1	2067.0	1928.8	1785.1	1636.8	1481.9	1342.8
-57.5°	2277.3	2193.7	2099.0	1995.7	1884.1	1767.1	1643.8	1513.5	1390.9	1267.7	1144.3
-60°	1928.8	1850.8	1767.1	1675.6	1576.8	1472.0	1374.8	1271.9	1163.8	1075.6	984.4
-62.5°	1585.1	1516.6	1446.2	1374.8	1297.5	1214.5	1134.0	1061.6	985.4	907.1	837.6
-65°	1275.6	1222.5	1163.8	1113.5	1059.6	1001.8	940.0	881.3	823.9	763.6	702.5
-67.5°	1020.9	984.4	943.9	902.1	862.0	818.9	772.9	724.1	680.4	637.7	593.0
-70°	812.2	785.3	755.6	723.0	692.2	662.2	630.0	595.9	559.9	528.1	497.9
-72.5°	639.3	620.9	600.5	578.1	553.8	532.3	511.0	488.4	464.4	439.3	414.3
-75°	501.9	490.0	476.7	462.2	446.4	429.4	412.7	395.6	377.6	358.7	338.9
-77.5°	390.7	382.0	372.3	361.6	350.1	337.7	324.4	310.0	294.3	277.8	260.5
-80°	287.3	280.0	272.0	263.1	253.4	243.1	231.9	220.1	207.6	195.0	182.5
-82.5°	182.2	177.2	171.7	165.7	159.2	152.1	144.6	136.5	128.0	119.0	109.7
-85°	88.8	86.5	84.0	81.3	78.3	75.1	71.6	67.9	64.0	59.9	55.6
-87.5°	24.6	24.2	23.7	23.2	22.7	22.1	21.5	20.8	20.1	19.3	18.5
-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: P645418 (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°
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°	17.7	16.8	15.9	15.0	14.1	13.1	12.1	11.1	10.0	9.0	7.9
85°	51.1	46.5	41.6	36.6	31.4	26.2	24.2	22.1	20.0	17.9	15.7
82.5°	99.8	92.1	84.8	77.3	69.5	61.6	53.4	45.1	36.5	27.9	23.6
80°	169.4	155.8	141.7	127.1	112.1	96.9	86.0	74.9	63.5	52.0	40.2
77.5°	242.4	223.7	204.3	185.7	166.9	147.7	127.9	107.7	90.3	75.9	61.3
75°	318.2	295.8	272.4	248.3	223.5	198.3	174.6	150.4	125.8	100.7	82.1
72.5°	390.1	365.0	339.0	312.0	283.1	253.4	223.0	192.8	164.0	134.8	105.2
70°	466.5	433.9	403.0	372.3	340.8	308.1	273.4	238.0	201.9	168.6	134.8
67.5°	546.8	510.0	472.0	432.9	396.4	360.0	322.8	283.5	243.0	201.9	164.0
65°	650.7	597.1	543.1	499.6	454.9	410.9	369.7	327.7	283.5	238.0	192.8
62.5°	765.4	694.6	633.6	570.8	516.2	466.0	415.8	369.7	322.8	273.4	223.0
60°	893.9	812.2	727.9	655.7	585.5	521.8	466.0	410.9	360.0	308.1	253.4
57.5°	1041.4	935.1	840.5	746.7	663.1	585.5	516.2	454.9	396.4	340.8	283.1
55°	1199.2	1075.9	958.0	849.9	746.7	655.7	570.8	499.6	432.9	372.3	312.0
52.5°	1388.3	1229.3	1087.5	958.0	840.5	727.9	633.6	543.1	472.0	403.0	339.0
50°	1588.5	1403.6	1229.3	1075.9	935.1	812.2	694.6	597.1	510.0	433.9	365.0
47.5°	1798.1	1588.5	1388.3	1199.2	1041.4	893.9	765.4	650.7	546.8	466.5	390.1
45°	2006.9	1780.0	1552.8	1342.8	1144.3	984.4	837.6	702.5	593.0	497.9	414.3
42.5°	2210.8	1969.1	1726.0	1481.9	1267.7	1075.6	907.1	763.6	637.7	528.1	439.3
40°	2400.1	2153.6	1894.2	1636.8	1390.9	1163.8	985.4	823.9	680.4	559.9	464.4
37.5°	2581.4	2326.3	2059.1	1785.1	1513.5	1271.9	1061.6	881.3	724.1	595.9	488.4
35°	2736.4	2488.3	2216.6	1928.8	1643.8	1374.8	1134.0	940.0	772.9	630.0	511.0
32.5°	2882.7	2636.7	2360.0	2067.0	1767.1	1472.0	1214.5	1001.8	818.9	662.2	532.3
30°	3010.9	2765.4	2494.8	2197.1	1884.1	1576.8	1297.5	1059.6	862.0	692.2	553.8
27.5°	3128.3	2886.0	2617.9	2314.8	1995.7	1675.6	1374.8	1113.5	902.1	723.0	578.1
25°	3234.8	2990.3	2721.5	2422.6	2099.0	1767.1	1446.2	1163.8	943.9	755.6	600.5
22.5°	3325.7	3083.5	2816.7	2521.5	2193.7	1850.8	1516.6	1222.5	984.4	785.3	620.9
20°	3408.5	3168.1	2903.0	2609.2	2277.3	1928.8	1585.1	1275.6	1020.9	812.2	639.3
17.5°	3481.8	3240.4	2974.1	2680.0	2350.4	1998.4	1646.1	1322.7	1053.4	836.0	655.7
15°	3541.9	3300.5	3035.2	2741.9	2414.3	2059.1	1699.4	1363.9	1081.7	856.8	669.9
12.5°	3593.3	3351.9	3087.4	2794.9	2468.9	2110.9	1744.7	1399.0	1105.8	874.5	682.0
10°	3635.8	3394.3	3130.5	2838.5	2513.8	2153.6	1782.1	1427.8	1125.7	889.0	692.0
7.5°	3669.2	3427.6	3164.2	2872.6	2549.0	2186.9	1811.2	1450.3	1141.1	900.4	699.8
5°	3693.2	3451.5	3188.4	2897.1	2574.2	2210.8	1832.1	1466.5	1152.2	908.5	705.3
2.5°	3707.7	3465.9	3203.0	2911.9	2589.3	2225.2	1844.7	1476.2	1158.9	913.4	708.7
0°	3712.5	3470.7	3207.9	2916.8	2594.4	2230.0	1848.9	1479.4	1161.1	915.0	709.8
-2.5°	3707.7	3465.9	3203.0	2911.9	2589.3	2225.2	1844.7	1476.2	1158.9	913.4	708.7
-5°	3693.2	3451.5	3188.4	2897.1	2574.2	2210.8	1832.1	1466.5	1152.2	908.5	705.3
-7.5°	3669.2	3427.6	3164.2	2872.6	2549.0	2186.9	1811.2	1450.3	1141.1	900.4	699.8
-10°	3635.8	3394.3	3130.5	2838.5	2513.8	2153.6	1782.1	1427.8	1125.7	889.0	692.0
-12.5°	3593.3	3351.9	3087.4	2794.9	2468.9	2110.9	1744.7	1399.0	1105.8	874.5	682.0
-15°	3541.9	3300.5	3035.2	2741.9	2414.3	2059.1	1699.4	1363.9	1081.7	856.8	669.9
-17.5°	3481.8	3240.4	2974.1	2680.0	2350.4	1998.4	1646.1	1322.7	1053.4	836.0	655.7
-20°	3408.5	3168.1	2903.0	2609.2	2277.3	1928.8	1585.1	1275.6	1020.9	812.2	639.3



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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°	3325.7	3083.5	2816.7	2521.5	2193.7	1850.8	1516.6	1222.5	984.4	785.3	620.9
-25°	3234.8	2990.3	2721.5	2422.6	2099.0	1767.1	1446.2	1163.8	943.9	755.6	600.5
-27.5°	3128.3	2886.0	2617.9	2314.8	1995.7	1675.6	1374.8	1113.5	902.1	723.0	578.1
-30°	3010.9	2765.4	2494.8	2197.1	1884.1	1576.8	1297.5	1059.6	862.0	692.2	553.8
-32.5°	2882.7	2636.7	2360.0	2067.0	1767.1	1472.0	1214.5	1001.8	818.9	662.2	532.3
-35°	2736.4	2488.3	2216.6	1928.8	1643.8	1374.8	1134.0	940.0	772.9	630.0	511.0
-37.5°	2581.4	2326.3	2059.1	1785.1	1513.5	1271.9	1061.6	881.3	724.1	595.9	488.4
-40°	2400.1	2153.6	1894.2	1636.8	1390.9	1163.8	985.4	823.9	680.4	559.9	464.4
-42.5°	2210.8	1969.1	1726.0	1481.9	1267.7	1075.6	907.1	763.6	637.7	528.1	439.3
-45°	2006.9	1780.0	1552.8	1342.8	1144.3	984.4	837.6	702.5	593.0	497.9	414.3
-47.5°	1798.1	1588.5	1388.3	1199.2	1041.4	893.9	765.4	650.7	546.8	466.5	390.1
-50°	1588.5	1403.6	1229.3	1075.9	935.1	812.2	694.6	597.1	510.0	433.9	365.0
-52.5°	1388.3	1229.3	1087.5	958.0	840.5	727.9	633.6	543.1	472.0	403.0	339.0
-55°	1199.2	1075.9	958.0	849.9	746.7	655.7	570.8	499.6	432.9	372.3	312.0
-57.5°	1041.4	935.1	840.5	746.7	663.1	585.5	516.2	454.9	396.4	340.8	283.1
-60°	893.9	812.2	727.9	655.7	585.5	521.8	466.0	410.9	360.0	308.1	253.4
-62.5°	765.4	694.6	633.6	570.8	516.2	466.0	415.8	369.7	322.8	273.4	223.0
-65°	650.7	597.1	543.1	499.6	454.9	410.9	369.7	327.7	283.5	238.0	192.8
-67.5°	546.8	510.0	472.0	432.9	396.4	360.0	322.8	283.5	243.0	201.9	164.0
-70°	466.5	433.9	403.0	372.3	340.8	308.1	273.4	238.0	201.9	168.6	134.8
-72.5°	390.1	365.0	339.0	312.0	283.1	253.4	223.0	192.8	164.0	134.8	105.2
-75°	318.2	295.8	272.4	248.3	223.5	198.3	174.6	150.4	125.8	100.7	82.1
-77.5°	242.4	223.7	204.3	185.7	166.9	147.7	127.9	107.7	90.3	75.9	61.3
-80°	169.4	155.8	141.7	127.1	112.1	96.9	86.0	74.9	63.5	52.0	40.2
-82.5°	99.8	92.1	84.8	77.3	69.5	61.6	53.4	45.1	36.5	27.9	23.6
-85°	51.1	46.5	41.6	36.6	31.4	26.2	24.2	22.1	20.0	17.9	15.7
-87.5°	17.7	16.8	15.9	15.0	14.1	13.1	12.1	11.1	10.0	9.0	7.9
-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):

	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°	6.8	5.7	4.5	3.4	2.3	1.1	0.0
85°	13.5	11.3	9.1	6.8	4.6	2.3	0.0
82.5°	20.3	17.0	13.6	10.2	6.8	3.4	0.0
80°	28.4	22.6	18.1	13.6	9.1	4.5	0.0
77.5°	46.5	31.5	22.6	17.0	11.3	5.7	0.0
75°	64.4	46.5	28.4	20.3	13.5	6.8	0.0
72.5°	82.1	61.3	40.2	23.6	15.7	7.9	0.0
70°	100.7	75.9	52.0	27.9	17.9	9.0	0.0
67.5°	125.8	90.3	63.5	36.5	20.0	10.0	0.0
65°	150.4	107.7	74.9	45.1	22.1	11.1	0.0
62.5°	174.6	127.9	86.0	53.4	24.2	12.1	0.0
60°	198.3	147.7	96.9	61.6	26.2	13.1	0.0
57.5°	223.5	166.9	112.1	69.5	31.4	14.1	0.0
55°	248.3	185.7	127.1	77.3	36.6	15.0	0.0
52.5°	272.4	204.3	141.7	84.8	41.6	15.9	0.0
50°	295.8	223.7	155.8	92.1	46.5	16.8	0.0
47.5°	318.2	242.4	169.4	99.8	51.1	17.7	0.0
45°	338.9	260.5	182.5	109.7	55.6	18.5	0.0
42.5°	358.7	277.8	195.0	119.0	59.9	19.3	0.0
40°	377.6	294.3	207.6	128.0	64.0	20.1	0.0
37.5°	395.6	310.0	220.1	136.5	67.9	20.8	0.0
35°	412.7	324.4	231.9	144.6	71.6	21.5	0.0
32.5°	429.4	337.7	243.1	152.1	75.1	22.1	0.0
30°	446.4	350.1	253.4	159.2	78.3	22.7	0.0
27.5°	462.2	361.6	263.1	165.7	81.3	23.2	0.0
25°	476.7	372.3	272.0	171.7	84.0	23.7	0.0
22.5°	490.0	382.0	280.0	177.2	86.5	24.2	0.0
20°	501.9	390.7	287.3	182.2	88.8	24.6	0.0
17.5°	512.5	398.4	293.8	186.5	90.8	25.0	0.0
15°	521.8	405.2	299.4	190.4	92.5	25.3	0.0
12.5°	529.6	410.9	304.2	193.6	94.0	25.6	0.0
10°	536.1	415.6	308.1	196.3	95.2	25.8	0.0
7.5°	541.1	419.3	311.2	198.3	96.2	26.0	0.0
5°	544.7	421.9	313.3	199.8	96.9	26.1	0.0
2.5°	546.9	423.5	314.7	200.7	97.3	26.2	0.0
0°	547.6	424.0	315.1	201.0	97.4	26.2	0.0
-2.5°	546.9	423.5	314.7	200.7	97.3	26.2	0.0
-5°	544.7	421.9	313.3	199.8	96.9	26.1	0.0
-7.5°	541.1	419.3	311.2	198.3	96.2	26.0	0.0
-10°	536.1	415.6	308.1	196.3	95.2	25.8	0.0
-12.5°	529.6	410.9	304.2	193.6	94.0	25.6	0.0
-15°	521.8	405.2	299.4	190.4	92.5	25.3	0.0
-17.5°	512.5	398.4	293.8	186.5	90.8	25.0	0.0
-20°	501.9	390.7	287.3	182.2	88.8	24.6	0.0

Classified

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

Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	490.0	382.0	280.0	177.2	86.5	24.2	0.0
-25°	476.7	372.3	272.0	171.7	84.0	23.7	0.0
-27.5°	462.2	361.6	263.1	165.7	81.3	23.2	0.0
-30°	446.4	350.1	253.4	159.2	78.3	22.7	0.0
-32.5°	429.4	337.7	243.1	152.1	75.1	22.1	0.0
-35°	412.7	324.4	231.9	144.6	71.6	21.5	0.0
-37.5°	395.6	310.0	220.1	136.5	67.9	20.8	0.0
-40°	377.6	294.3	207.6	128.0	64.0	20.1	0.0
-42.5°	358.7	277.8	195.0	119.0	59.9	19.3	0.0
-45°	338.9	260.5	182.5	109.7	55.6	18.5	0.0
-47.5°	318.2	242.4	169.4	99.8	51.1	17.7	0.0
-50°	295.8	223.7	155.8	92.1	46.5	16.8	0.0
-52.5°	272.4	204.3	141.7	84.8	41.6	15.9	0.0
-55°	248.3	185.7	127.1	77.3	36.6	15.0	0.0
-57.5°	223.5	166.9	112.1	69.5	31.4	14.1	0.0
-60°	198.3	147.7	96.9	61.6	26.2	13.1	0.0
-62.5°	174.6	127.9	86.0	53.4	24.2	12.1	0.0
-65°	150.4	107.7	74.9	45.1	22.1	11.1	0.0
-67.5°	125.8	90.3	63.5	36.5	20.0	10.0	0.0
-70°	100.7	75.9	52.0	27.9	17.9	9.0	0.0
-72.5°	82.1	61.3	40.2	23.6	15.7	7.9	0.0
-75°	64.4	46.5	28.4	20.3	13.5	6.8	0.0
-77.5°	46.5	31.5	22.6	17.0	11.3	5.7	0.0
-80°	28.4	22.6	18.1	13.6	9.1	4.5	0.0
-82.5°	20.3	17.0	13.6	10.2	6.8	3.4	0.0
-85°	13.5	11.3	9.1	6.8	4.6	2.3	0.0
-87.5°	6.8	5.7	4.5	3.4	2.3	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)