

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: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-727-U-VWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627561 (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-SA5B-727-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N113
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

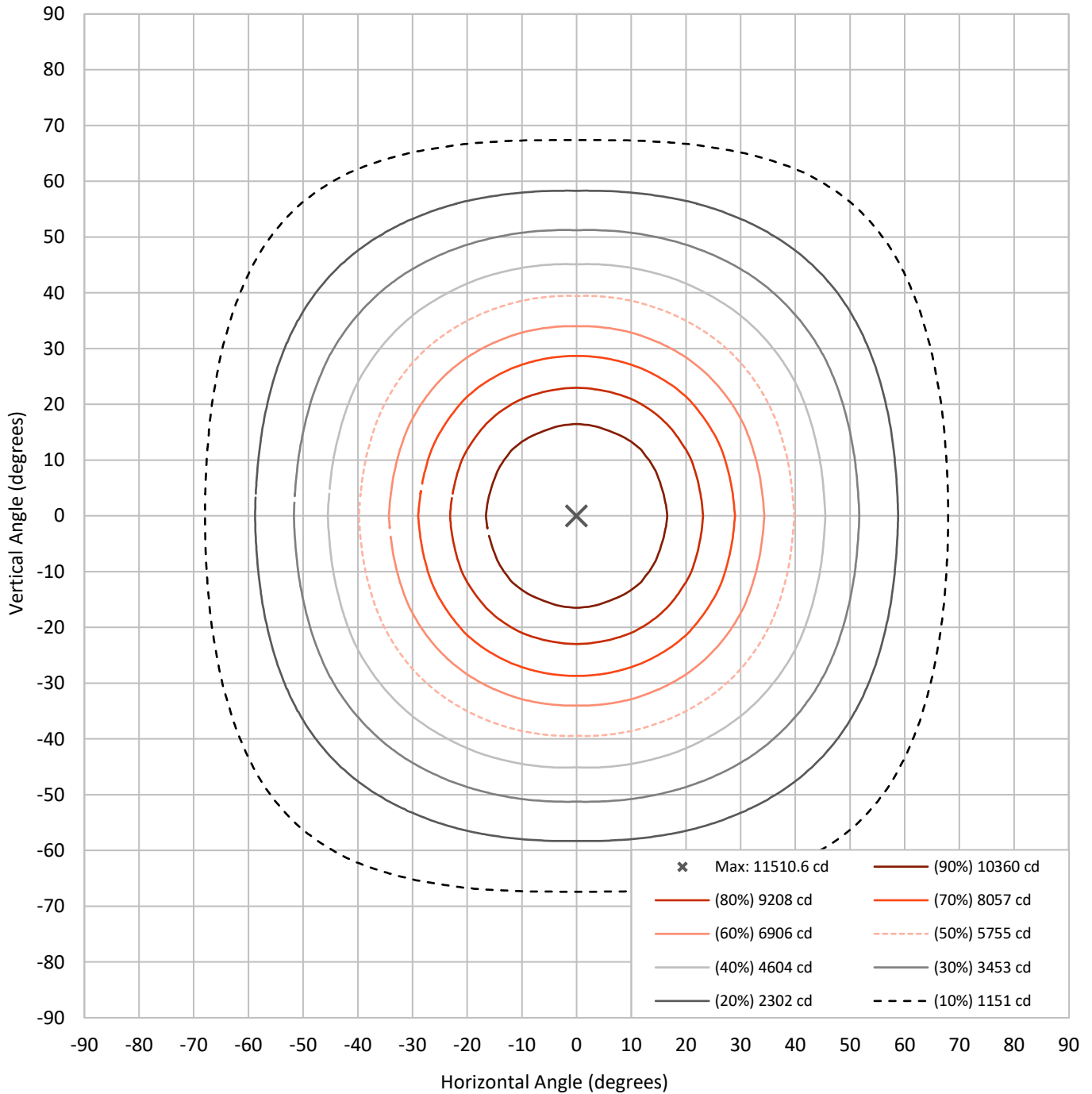
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	20804.3 lumens	Max Intensity:	11510.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	131.1 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:	12201.9 lumens	Field Lumens:	19833.4 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	158.7		
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





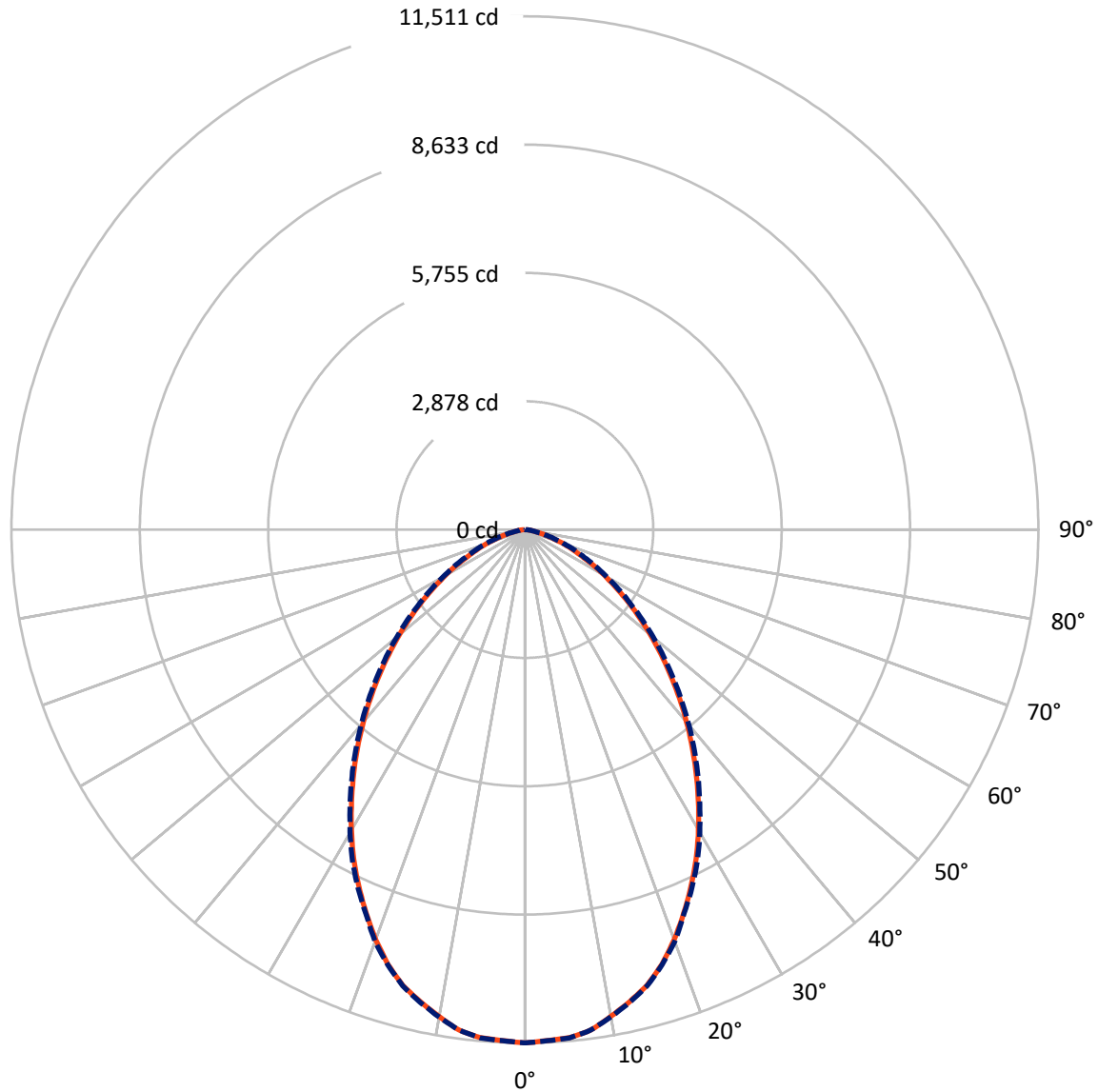
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Lumen Table

90																			
80	0.7	8.5	23.2	39.4	37.2	39.4	23.2	8.5	0.7										
70																			
60	3.9	5.3	10.8	18.3	26.9	34.7	40.6	43.4	43.4	40.6	34.7	26.9	18.3	10.8	5.3	3.9			
50		8.0	17.5	31.2	47.3	64.2	78.2	85.4	85.4	78.2	64.2	47.3	31.2	17.5	8.0				
40	6.8	10.7	25.3	46.7	74.0	102.6	126.5	139.6	139.6	126.5	102.6	74.0	46.7	25.3	10.7	6.8			
30		13.6	33.5	64.3	103.6	145.2	180.8	201.0	201.0	180.8	145.2	103.6	64.3	33.5	13.6				
20	8.7	16.3	41.2	80.8	131.9	187.2	235.5	263.2	263.2	235.5	187.2	131.9	80.8	41.2	16.3	8.7			
10		18.4	47.2	93.2	154.0	221.3	280.6	314.4	314.4	280.6	221.3	154.0	93.2	47.2	18.4				
0	9.5	19.5	50.5	100.3	166.3	240.1	305.0	340.5	340.5	305.0	240.1	166.3	100.3	50.5	19.5	9.5			
-10		19.5	50.5	100.3	166.3	240.1	305.0	340.5	340.5	305.0	240.1	166.3	100.3	50.5	19.5				
-20	8.7	18.4	47.2	93.2	154.0	221.3	280.6	314.4	314.4	280.6	221.3	154.0	93.2	47.2	18.4	8.7			
-30		16.3	41.2	80.8	131.9	187.2	235.5	263.2	263.2	235.5	187.2	131.9	80.8	41.2	16.3				
-40	6.8	13.6	33.5	64.3	103.6	145.2	180.8	201.0	201.0	180.8	145.2	103.6	64.3	33.5	13.6	6.8			
-50		10.7	25.3	46.7	74.0	102.6	126.5	139.6	139.6	126.5	102.6	74.0	46.7	25.3	10.7				
-60	3.9	8.0	17.5	31.2	47.3	64.2	78.2	85.4	85.4	78.2	64.2	47.3	31.2	17.5	8.0	3.9			
-70		5.3	10.8	18.3	26.9	34.7	40.6	43.4	43.4	40.6	34.7	26.9	18.3	10.8	5.3				
-80	0.7	8.5	23.2	39.4	37.2	39.4	23.2	8.5	0.7										
-90																			
	-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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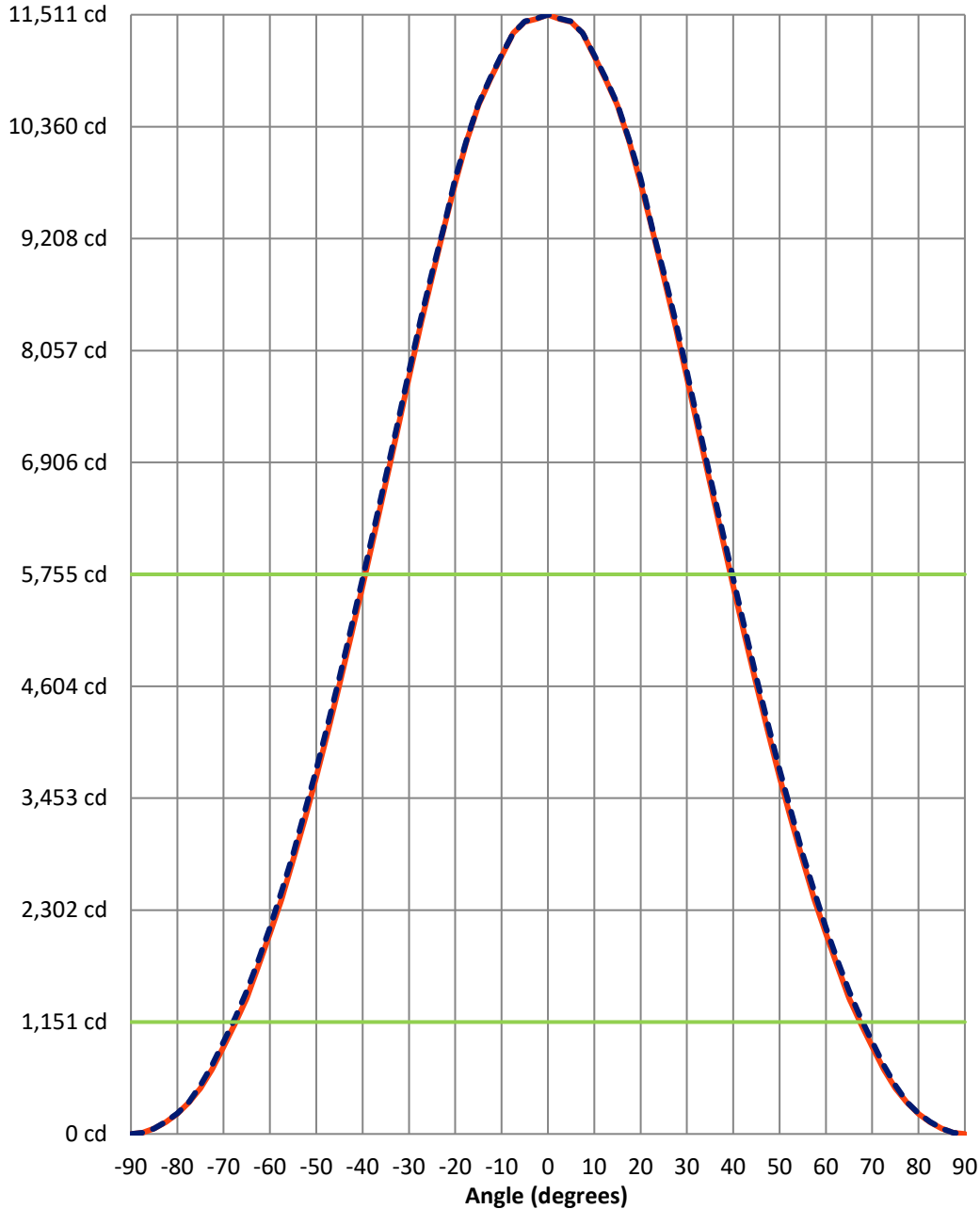
Luminous Intensity Polar Plot



— 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: 12201.9
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 19833.4
Efficiency: 95.3%

Spill:
Lumens: 971
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	0.7	1.5	2.3	3.0	3.7	4.5	5.2	5.9	6.6	7.3
85°	0.0	1.3	3.0	4.5	6.0	7.5	8.9	10.4	11.8	13.2	14.6
82.5°	0.0	2.0	4.5	6.8	9.0	11.2	13.4	15.6	19.5	30.6	41.3
80°	0.0	2.6	6.0	9.0	12.0	14.9	20.2	35.8	50.9	65.4	79.3
77.5°	0.0	3.3	7.4	11.2	14.9	23.3	43.8	63.6	82.2	100.0	122.1
75°	0.0	3.9	8.9	13.4	19.4	40.4	67.0	91.2	114.4	146.3	180.2
72.5°	0.0	4.5	10.3	15.6	30.9	56.9	89.4	120.8	157.3	196.1	237.3
70°	0.0	5.1	11.6	18.6	42.0	72.8	111.7	156.4	199.3	245.0	298.6
67.5°	0.0	5.7	13.0	25.5	52.7	88.1	138.6	191.1	240.4	298.2	359.6
65°	0.0	6.3	14.3	32.1	62.9	105.2	164.3	224.9	284.7	349.7	416.6
62.5°	0.0	6.9	15.5	38.4	72.6	123.9	188.8	260.1	327.6	399.0	467.6
60°	0.0	7.4	16.7	44.4	81.7	141.7	211.7	295.2	368.9	445.1	517.9
57.5°	0.0	7.9	20.1	50.0	93.8	158.3	236.0	327.8	409.6	490.4	565.7
55°	0.0	8.4	23.3	55.2	105.4	173.8	258.9	356.0	449.6	534.2	611.4
52.5°	0.0	8.9	26.5	60.1	116.1	188.5	280.2	385.3	488.7	574.5	656.0
50°	0.0	9.4	29.5	64.5	126.0	204.1	299.6	413.1	525.8	613.5	707.2
47.5°	0.0	9.8	32.4	69.1	135.1	218.4	317.9	439.0	559.4	651.3	757.3
45°	0.0	10.2	35.1	75.1	143.2	231.2	338.1	462.9	585.6	694.2	805.3
42.5°	0.0	10.6	37.7	80.5	150.4	242.7	356.7	484.8	610.6	735.2	861.7
40°	0.0	11.0	40.1	86.1	157.6	252.6	373.6	505.6	636.6	773.6	916.7
37.5°	0.0	11.3	42.4	91.6	164.8	261.2	388.7	525.3	665.9	810.0	968.2
35°	0.0	11.6	44.5	96.7	170.9	271.0	402.0	543.9	694.3	851.9	1020.2
32.5°	0.0	11.9	46.5	101.4	176.1	280.9	414.4	561.2	722.0	892.2	1075.3
30°	0.0	12.1	48.2	105.7	180.2	289.3	427.2	578.6	748.7	930.7	1126.7
27.5°	0.0	12.3	49.9	109.6	186.3	296.3	438.7	598.8	776.1	967.3	1174.4
25°	0.0	12.5	51.3	113.1	192.1	301.8	448.8	617.5	804.7	1004.5	1218.6
22.5°	0.0	12.7	52.6	116.2	197.2	307.4	457.5	634.7	831.1	1039.8	1265.6
20°	0.0	12.8	53.7	118.8	201.6	315.0	464.6	650.2	855.0	1071.2	1307.8
17.5°	0.0	12.9	54.6	121.1	205.3	321.3	473.6	663.8	876.3	1098.9	1344.9
15°	0.0	13.0	55.3	122.9	208.3	326.1	482.9	676.7	894.8	1122.6	1377.0
12.5°	0.0	13.1	55.9	124.3	210.5	329.6	490.5	688.9	911.5	1142.2	1403.8
10°	0.0	13.1	56.3	125.3	212.1	331.8	496.3	698.3	926.0	1160.7	1426.4
7.5°	0.0	13.1	56.5	125.9	212.9	332.7	500.2	704.9	937.1	1175.6	1446.0
5°	0.0	13.0	56.5	126.0	213.1	332.3	502.3	708.6	944.7	1186.3	1460.0
2.5°	0.0	13.0	56.4	125.8	212.6	330.7	502.4	709.5	948.8	1192.9	1468.4
0°	0.0	12.9	56.1	125.1	211.4	327.9	500.5	707.5	949.1	1195.1	1471.2
-2.5°	0.0	13.0	56.4	125.8	212.6	330.7	502.4	709.5	948.8	1192.9	1468.4
-5°	0.0	13.0	56.5	126.0	213.1	332.3	502.3	708.6	944.7	1186.3	1460.0
-7.5°	0.0	13.1	56.5	125.9	212.9	332.7	500.2	704.9	937.1	1175.6	1446.0
-10°	0.0	13.1	56.3	125.3	212.1	331.8	496.3	698.3	926.0	1160.7	1426.4
-12.5°	0.0	13.1	55.9	124.3	210.5	329.6	490.5	688.9	911.5	1142.2	1403.8
-15°	0.0	13.0	55.3	122.9	208.3	326.1	482.9	676.7	894.8	1122.6	1377.0
-17.5°	0.0	12.9	54.6	121.1	205.3	321.3	473.6	663.8	876.3	1098.9	1344.9
-20°	0.0	12.8	53.7	118.8	201.6	315.0	464.6	650.2	855.0	1071.2	1307.8

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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	12.7	52.6	116.2	197.2	307.4	457.5	634.7	831.1	1039.8	1265.6
-25°	0.0	12.5	51.3	113.1	192.1	301.8	448.8	617.5	804.7	1004.5	1218.6
-27.5°	0.0	12.3	49.9	109.6	186.3	296.3	438.7	598.8	776.1	967.3	1174.4
-30°	0.0	12.1	48.2	105.7	180.2	289.3	427.2	578.6	748.7	930.7	1126.7
-32.5°	0.0	11.9	46.5	101.4	176.1	280.9	414.4	561.2	722.0	892.2	1075.3
-35°	0.0	11.6	44.5	96.7	170.9	271.0	402.0	543.9	694.3	851.9	1020.2
-37.5°	0.0	11.3	42.4	91.6	164.8	261.2	388.7	525.3	665.9	810.0	968.2
-40°	0.0	11.0	40.1	86.1	157.6	252.6	373.6	505.6	636.6	773.6	916.7
-42.5°	0.0	10.6	37.7	80.5	150.4	242.7	356.7	484.8	610.6	735.2	861.7
-45°	0.0	10.2	35.1	75.1	143.2	231.2	338.1	462.9	585.6	694.2	805.3
-47.5°	0.0	9.8	32.4	69.1	135.1	218.4	317.9	439.0	559.4	651.3	757.3
-50°	0.0	9.4	29.5	64.5	126.0	204.1	299.6	413.1	525.8	613.5	707.2
-52.5°	0.0	8.9	26.5	60.1	116.1	188.5	280.2	385.3	488.7	574.5	656.0
-55°	0.0	8.4	23.3	55.2	105.4	173.8	258.9	356.0	449.6	534.2	611.4
-57.5°	0.0	7.9	20.1	50.0	93.8	158.3	236.0	327.8	409.6	490.4	565.7
-60°	0.0	7.4	16.7	44.4	81.7	141.7	211.7	295.2	368.9	445.1	517.9
-62.5°	0.0	6.9	15.5	38.4	72.6	123.9	188.8	260.1	327.6	399.0	467.6
-65°	0.0	6.3	14.3	32.1	62.9	105.2	164.3	224.9	284.7	349.7	416.6
-67.5°	0.0	5.7	13.0	25.5	52.7	88.1	138.6	191.1	240.4	298.2	359.6
-70°	0.0	5.1	11.6	18.6	42.0	72.8	111.7	156.4	199.3	245.0	298.6
-72.5°	0.0	4.5	10.3	15.6	30.9	56.9	89.4	120.8	157.3	196.1	237.3
-75°	0.0	3.9	8.9	13.4	19.4	40.4	67.0	91.2	114.4	146.3	180.2
-77.5°	0.0	3.3	7.4	11.2	14.9	23.3	43.8	63.6	82.2	100.0	122.1
-80°	0.0	2.6	6.0	9.0	12.0	14.9	20.2	35.8	50.9	65.4	79.3
-82.5°	0.0	2.0	4.5	6.8	9.0	11.2	13.4	15.6	19.5	30.6	41.3
-85°	0.0	1.3	3.0	4.5	6.0	7.5	8.9	10.4	11.8	13.2	14.6
-87.5°	0.0	0.7	1.5	2.3	3.0	3.7	4.5	5.2	5.9	6.6	7.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.5	9.7	11.0	12.4	12.5	12.5	12.4	12.2	12.8	13.3	13.7
85°	16.9	19.4	26.9	34.2	37.7	39.8	40.8	40.6	47.2	54.9	63.2
82.5°	52.5	63.3	73.7	83.5	86.0	86.1	85.2	85.5	101.0	118.8	137.0
80°	93.5	107.2	125.4	141.5	148.5	152.2	153.8	153.6	173.2	199.4	226.9
77.5°	148.3	171.4	191.5	208.6	217.8	225.9	232.6	237.7	262.9	296.0	328.8
75°	210.7	236.1	261.2	283.2	298.6	310.0	320.6	337.7	370.7	409.3	442.8
72.5°	276.6	309.0	337.1	360.9	382.5	405.4	431.0	459.0	493.9	532.4	567.5
70°	347.0	382.6	412.0	440.7	470.1	504.3	542.7	580.5	619.4	661.9	702.8
67.5°	415.9	450.2	484.8	521.1	565.0	610.8	656.2	708.3	761.6	808.9	851.1
65°	475.7	515.9	559.2	608.4	662.6	720.9	781.5	844.0	911.7	968.4	1020.1
62.5°	532.8	581.2	633.8	695.0	764.2	833.2	910.6	988.8	1065.0	1131.8	1193.5
60°	585.4	644.0	710.6	785.7	866.5	958.2	1046.2	1135.3	1218.8	1294.4	1372.5
57.5°	636.6	710.4	790.3	880.4	982.5	1085.5	1189.1	1284.8	1379.3	1471.5	1559.8
55°	690.8	779.7	874.7	985.3	1100.4	1222.3	1333.8	1440.6	1544.8	1656.7	1763.0
52.5°	750.5	849.8	968.6	1092.4	1225.4	1356.2	1478.7	1600.4	1726.3	1852.9	1991.4
50°	808.0	931.8	1062.1	1206.0	1349.7	1489.9	1630.3	1770.5	1921.3	2076.6	2233.5
47.5°	875.3	1010.3	1164.2	1318.6	1475.6	1631.6	1788.0	1957.5	2128.8	2309.0	2482.5
45°	943.3	1095.1	1261.0	1435.5	1605.3	1778.0	1961.0	2148.3	2349.2	2547.3	2756.0
42.5°	1007.8	1179.4	1362.3	1550.7	1739.6	1932.6	2133.8	2352.6	2572.1	2800.6	3030.0
40°	1079.2	1259.6	1461.2	1668.8	1873.8	2087.6	2317.6	2554.6	2803.0	3054.2	3303.3
37.5°	1147.9	1346.2	1558.1	1781.6	2011.6	2246.6	2496.3	2765.3	3034.7	3305.0	3579.7
35°	1212.2	1428.3	1657.8	1895.1	2139.0	2406.3	2685.5	2972.6	3264.5	3556.8	3852.3
32.5°	1278.4	1505.7	1753.1	2007.0	2275.8	2562.5	2868.3	3179.4	3490.3	3802.4	4125.9
30°	1344.7	1586.9	1845.4	2112.9	2406.9	2719.3	3047.9	3377.4	3706.3	4049.8	4394.5
27.5°	1407.4	1663.9	1936.1	2222.3	2532.5	2864.5	3213.4	3566.4	3921.0	4286.2	4653.9
25°	1465.1	1736.8	2020.3	2327.6	2656.4	3004.1	3367.7	3736.0	4124.9	4515.7	4899.6
22.5°	1521.3	1803.8	2098.2	2424.6	2768.7	3133.8	3512.4	3901.4	4307.7	4727.4	5124.7
20°	1575.4	1867.6	2174.1	2512.5	2869.2	3250.6	3643.9	4051.2	4477.6	4908.5	5335.8
17.5°	1623.5	1924.3	2244.7	2594.7	2965.2	3357.4	3762.4	4183.1	4628.4	5075.1	5527.9
15°	1665.4	1973.7	2305.8	2666.4	3049.9	3454.4	3872.4	4305.1	4761.9	5227.0	5697.7
12.5°	1700.8	2015.5	2357.3	2727.4	3121.9	3537.6	3966.9	4414.8	4884.0	5362.1	5846.4
10°	1729.5	2049.6	2399.0	2777.2	3180.7	3606.4	4044.8	4505.3	4988.5	5477.0	5971.6
7.5°	1754.0	2078.0	2432.0	2815.6	3225.9	3660.3	4105.4	4575.9	5071.7	5566.6	6072.1
5°	1771.8	2101.0	2462.4	2847.8	3265.3	3702.3	4151.3	4626.1	5132.6	5630.3	6144.9
2.5°	1782.5	2115.9	2483.1	2868.7	3296.3	3733.9	4192.1	4670.6	5177.2	5681.0	6199.7
0°	1786.1	2122.6	2493.7	2877.6	3313.4	3749.1	4215.1	4694.0	5198.7	5712.1	6234.2
-2.5°	1782.5	2115.9	2483.1	2868.7	3296.3	3733.9	4192.1	4670.6	5177.2	5681.0	6199.7
-5°	1771.8	2101.0	2462.4	2847.8	3265.3	3702.3	4151.3	4626.1	5132.6	5630.3	6144.9
-7.5°	1754.0	2078.0	2432.0	2815.6	3225.9	3660.3	4105.4	4575.9	5071.7	5566.6	6072.1
-10°	1729.5	2049.6	2399.0	2777.2	3180.7	3606.4	4044.8	4505.3	4988.5	5477.0	5971.6
-12.5°	1700.8	2015.5	2357.3	2727.4	3121.9	3537.6	3966.9	4414.8	4884.0	5362.1	5846.4
-15°	1665.4	1973.7	2305.8	2666.4	3049.9	3454.4	3872.4	4305.1	4761.9	5227.0	5697.7
-17.5°	1623.5	1924.3	2244.7	2594.7	2965.2	3357.4	3762.4	4183.1	4628.4	5075.1	5527.9
-20°	1575.4	1867.6	2174.1	2512.5	2869.2	3250.6	3643.9	4051.2	4477.6	4908.5	5335.8

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-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°	1521.3	1803.8	2098.2	2424.6	2768.7	3133.8	3512.4	3901.4	4307.7	4727.4	5124.7
-25°	1465.1	1736.8	2020.3	2327.6	2656.4	3004.1	3367.7	3736.0	4124.9	4515.7	4899.6
-27.5°	1407.4	1663.9	1936.1	2222.3	2532.5	2864.5	3213.4	3566.4	3921.0	4286.2	4653.9
-30°	1344.7	1586.9	1845.4	2112.9	2406.9	2719.3	3047.9	3377.4	3706.3	4049.8	4394.5
-32.5°	1278.4	1505.7	1753.1	2007.0	2275.8	2562.5	2868.3	3179.4	3490.3	3802.4	4125.9
-35°	1212.2	1428.3	1657.8	1895.1	2139.0	2406.3	2685.5	2972.6	3264.5	3556.8	3852.3
-37.5°	1147.9	1346.2	1558.1	1781.6	2011.6	2246.6	2496.3	2765.3	3034.7	3305.0	3579.7
-40°	1079.2	1259.6	1461.2	1668.8	1873.8	2087.6	2317.6	2554.6	2803.0	3054.2	3303.3
-42.5°	1007.8	1179.4	1362.3	1550.7	1739.6	1932.6	2133.8	2352.6	2572.1	2800.6	3030.0
-45°	943.3	1095.1	1261.0	1435.5	1605.3	1778.0	1961.0	2148.3	2349.2	2547.3	2756.0
-47.5°	875.3	1010.3	1164.2	1318.6	1475.6	1631.6	1788.0	1957.5	2128.8	2309.0	2482.5
-50°	808.0	931.8	1062.1	1206.0	1349.7	1489.9	1630.3	1770.5	1921.3	2076.6	2233.5
-52.5°	750.5	849.8	968.6	1092.4	1225.4	1356.2	1478.7	1600.4	1726.3	1852.9	1991.4
-55°	690.8	779.7	874.7	985.3	1100.4	1222.3	1333.8	1440.6	1544.8	1656.7	1763.0
-57.5°	636.6	710.4	790.3	880.4	982.5	1085.5	1189.1	1284.8	1379.3	1471.5	1559.8
-60°	585.4	644.0	710.6	785.7	866.5	958.2	1046.2	1135.3	1218.8	1294.4	1372.5
-62.5°	532.8	581.2	633.8	695.0	764.2	833.2	910.6	988.8	1065.0	1131.8	1193.5
-65°	475.7	515.9	559.2	608.4	662.6	720.9	781.5	844.0	911.7	968.4	1020.1
-67.5°	415.9	450.2	484.8	521.1	565.0	610.8	656.2	708.3	761.6	808.9	851.1
-70°	347.0	382.6	412.0	440.7	470.1	504.3	542.7	580.5	619.4	661.9	702.8
-72.5°	276.6	309.0	337.1	360.9	382.5	405.4	431.0	459.0	493.9	532.4	567.5
-75°	210.7	236.1	261.2	283.2	298.6	310.0	320.6	337.7	370.7	409.3	442.8
-77.5°	148.3	171.4	191.5	208.6	217.8	225.9	232.6	237.7	262.9	296.0	328.8
-80°	93.5	107.2	125.4	141.5	148.5	152.2	153.8	153.6	173.2	199.4	226.9
-82.5°	52.5	63.3	73.7	83.5	86.0	86.1	85.2	85.5	101.0	118.8	137.0
-85°	16.9	19.4	26.9	34.2	37.7	39.8	40.8	40.6	47.2	54.9	63.2
-87.5°	8.5	9.7	11.0	12.4	12.5	12.5	12.4	12.2	12.8	13.3	13.7
-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: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	14.2	14.6	15.0	15.3	15.7	16.0	16.3	16.5	16.7	15.8	14.9
85°	72.1	77.2	81.9	86.5	90.9	95.0	98.8	102.4	105.7	96.5	86.4
82.5°	155.6	168.1	180.0	191.8	203.5	206.5	207.4	207.0	205.3	189.2	171.4
80°	254.0	275.2	295.1	314.9	334.4	336.6	334.4	330.3	324.6	303.6	279.7
77.5°	361.5	388.1	411.4	432.8	452.2	455.8	455.3	454.3	452.8	431.2	405.2
75°	471.6	497.6	522.7	544.1	561.9	570.1	574.1	577.0	578.5	563.1	542.8
72.5°	599.2	626.3	648.5	669.2	686.8	699.5	708.6	715.5	720.2	715.5	707.2
70°	737.8	766.8	791.3	814.7	838.5	857.6	872.0	882.5	889.1	893.4	896.5
67.5°	893.8	932.8	966.8	995.9	1024.7	1051.7	1073.9	1092.0	1106.0	1117.8	1127.0
65°	1069.5	1119.4	1163.6	1204.2	1241.5	1280.6	1312.7	1339.7	1361.3	1379.3	1393.7
62.5°	1254.3	1315.4	1372.2	1427.3	1481.3	1534.4	1575.2	1612.4	1645.4	1673.8	1696.4
60°	1446.3	1515.8	1592.0	1664.7	1731.6	1792.7	1853.5	1906.1	1951.1	1988.4	2018.5
57.5°	1652.7	1742.7	1831.7	1922.0	2007.4	2087.2	2162.0	2227.9	2283.7	2329.4	2367.8
55°	1875.7	1988.2	2091.5	2205.4	2315.5	2415.8	2504.0	2581.5	2648.6	2704.8	2752.5
52.5°	2120.8	2257.5	2391.7	2521.4	2646.3	2762.6	2868.3	2958.6	3038.9	3107.8	3162.7
50°	2389.1	2545.5	2701.0	2845.2	2988.8	3122.8	3243.8	3348.6	3442.1	3523.1	3586.7
47.5°	2669.6	2847.6	3021.3	3186.3	3345.2	3494.1	3625.3	3744.7	3861.3	3956.4	4031.6
45°	2960.9	3160.6	3352.1	3540.9	3715.9	3882.8	4044.6	4193.4	4313.0	4417.7	4505.6
42.5°	3255.7	3478.5	3693.0	3898.9	4091.3	4284.4	4466.4	4629.0	4765.4	4884.4	4984.4
40°	3554.4	3798.2	4034.6	4259.1	4479.1	4689.6	4886.4	5057.9	5211.7	5353.2	5471.0
37.5°	3851.5	4119.9	4381.8	4633.3	4875.5	5103.5	5316.2	5509.9	5683.5	5844.6	5975.4
35°	4150.1	4444.4	4731.1	5007.9	5272.5	5524.1	5756.9	5977.4	6181.9	6345.1	6479.0
32.5°	4447.4	4763.9	5075.9	5380.5	5670.1	5941.4	6193.7	6437.3	6647.7	6827.1	6981.0
30°	4735.1	5077.9	5417.7	5748.0	6060.9	6354.8	6634.2	6891.8	7118.1	7314.3	7486.9
27.5°	5017.4	5385.7	5750.2	6103.2	6441.5	6760.8	7065.7	7345.1	7592.1	7805.3	7987.3
25°	5284.2	5680.1	6068.7	6442.9	6804.2	7156.5	7485.7	7790.6	8054.4	8288.5	8475.4
22.5°	5539.2	5961.4	6369.7	6763.3	7149.8	7529.5	7889.9	8208.3	8487.9	8732.5	8939.5
20°	5776.7	6229.1	6646.8	7063.1	7470.2	7875.7	8262.6	8598.5	8894.4	9154.8	9383.0
17.5°	5998.7	6462.8	6902.6	7345.8	7774.9	8200.3	8593.3	8953.4	9272.6	9549.2	9788.1
15°	6186.7	6655.3	7135.7	7608.9	8061.4	8492.1	8884.8	9260.9	9615.3	9914.4	10156.6
12.5°	6338.9	6826.3	7327.4	7829.7	8308.2	8738.3	9149.5	9531.1	9903.3	10239.2	10461.9
10°	6468.6	6970.5	7487.8	8000.1	8485.0	8940.1	9387.2	9790.5	10156.3	10457.2	10705.9
7.5°	6580.7	7097.7	7623.1	8136.2	8619.5	9089.8	9550.0	9978.4	10347.7	10631.1	10853.0
5°	6663.4	7192.7	7728.2	8246.1	8736.1	9207.9	9670.2	10093.2	10453.7	10742.1	10984.0
2.5°	6722.6	7256.8	7796.2	8314.8	8815.7	9288.7	9762.6	10190.3	10539.4	10803.6	11035.2
0°	6760.5	7295.5	7839.1	8369.7	8861.6	9318.9	9828.0	10229.2	10591.6	10854.8	11096.4
-2.5°	6722.6	7256.8	7796.2	8314.8	8815.7	9288.7	9762.6	10190.3	10539.4	10803.6	11035.2
-5°	6663.4	7192.7	7728.2	8246.1	8736.1	9207.9	9670.2	10093.2	10453.7	10742.1	10984.0
-7.5°	6580.7	7097.7	7623.1	8136.2	8619.5	9089.8	9550.0	9978.4	10347.7	10631.1	10853.0
-10°	6468.6	6970.5	7487.8	8000.1	8485.0	8940.1	9387.2	9790.5	10156.3	10457.2	10705.9
-12.5°	6338.9	6826.3	7327.4	7829.7	8308.2	8738.3	9149.5	9531.1	9903.3	10239.2	10461.9
-15°	6186.7	6655.3	7135.7	7608.9	8061.4	8492.1	8884.8	9260.9	9615.3	9914.4	10156.6
-17.5°	5998.7	6462.8	6902.6	7345.8	7774.9	8200.3	8593.3	8953.4	9272.6	9549.2	9788.1
-20°	5776.7	6229.1	6646.8	7063.1	7470.2	7875.7	8262.6	8598.5	8894.4	9154.8	9383.0

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Scaled Data Report



REPORT NUMBER: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-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°	5539.2	5961.4	6369.7	6763.3	7149.8	7529.5	7889.9	8208.3	8487.9	8732.5	8939.5
-25°	5284.2	5680.1	6068.7	6442.9	6804.2	7156.5	7485.7	7790.6	8054.4	8288.5	8475.4
-27.5°	5017.4	5385.7	5750.2	6103.2	6441.5	6760.8	7065.7	7345.1	7592.1	7805.3	7987.3
-30°	4735.1	5077.9	5417.7	5748.0	6060.9	6354.8	6634.2	6891.8	7118.1	7314.3	7486.9
-32.5°	4447.4	4763.9	5075.9	5380.5	5670.1	5941.4	6193.7	6437.3	6647.7	6827.1	6981.0
-35°	4150.1	4444.4	4731.1	5007.9	5272.5	5524.1	5756.9	5977.4	6181.9	6345.1	6479.0
-37.5°	3851.5	4119.9	4381.8	4633.3	4875.5	5103.5	5316.2	5509.9	5683.5	5844.6	5975.4
-40°	3554.4	3798.2	4034.6	4259.1	4479.1	4689.6	4886.4	5057.9	5211.7	5353.2	5471.0
-42.5°	3255.7	3478.5	3693.0	3898.9	4091.3	4284.4	4466.4	4629.0	4765.4	4884.4	4984.4
-45°	2960.9	3160.6	3352.1	3540.9	3715.9	3882.8	4044.6	4193.4	4313.0	4417.7	4505.6
-47.5°	2669.6	2847.6	3021.3	3186.3	3345.2	3494.1	3625.3	3744.7	3861.3	3956.4	4031.6
-50°	2389.1	2545.5	2701.0	2845.2	2988.8	3122.8	3243.8	3348.6	3442.1	3523.1	3586.7
-52.5°	2120.8	2257.5	2391.7	2521.4	2646.3	2762.6	2868.3	2958.6	3038.9	3107.8	3162.7
-55°	1875.7	1988.2	2091.5	2205.4	2315.5	2415.8	2504.0	2581.5	2648.6	2704.8	2752.5
-57.5°	1652.7	1742.7	1831.7	1922.0	2007.4	2087.2	2162.0	2227.9	2283.7	2329.4	2367.8
-60°	1446.3	1515.8	1592.0	1664.7	1731.6	1792.7	1853.5	1906.1	1951.1	1988.4	2018.5
-62.5°	1254.3	1315.4	1372.2	1427.3	1481.3	1534.4	1575.2	1612.4	1645.4	1673.8	1696.4
-65°	1069.5	1119.4	1163.6	1204.2	1241.5	1280.6	1312.7	1339.7	1361.3	1379.3	1393.7
-67.5°	893.8	932.8	966.8	995.9	1024.7	1051.7	1073.9	1092.0	1106.0	1117.8	1127.0
-70°	737.8	766.8	791.3	814.7	838.5	857.6	872.0	882.5	889.1	893.4	896.5
-72.5°	599.2	626.3	648.5	669.2	686.8	699.5	708.6	715.5	720.2	715.5	707.2
-75°	471.6	497.6	522.7	544.1	561.9	570.1	574.1	577.0	578.5	563.1	542.8
-77.5°	361.5	388.1	411.4	432.8	452.2	455.8	455.3	454.3	452.8	431.2	405.2
-80°	254.0	275.2	295.1	314.9	334.4	336.6	334.4	330.3	324.6	303.6	279.7
-82.5°	155.6	168.1	180.0	191.8	203.5	206.5	207.4	207.0	205.3	189.2	171.4
-85°	72.1	77.2	81.9	86.5	90.9	95.0	98.8	102.4	105.7	96.5	86.4
-87.5°	14.2	14.6	15.0	15.3	15.7	16.0	16.3	16.5	16.7	15.8	14.9
-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: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	13.9	12.9	12.9	12.9	12.9	12.9	13.9	14.9	15.8	16.7	16.5
85°	75.6	64.4	60.3	56.1	60.3	64.4	75.6	86.4	96.5	105.7	102.4
82.5°	152.7	133.3	127.1	120.8	127.1	133.3	152.7	171.4	189.2	205.3	207.0
80°	254.5	228.1	217.7	207.1	217.7	228.1	254.5	279.7	303.6	324.6	330.3
77.5°	377.6	348.7	336.3	323.6	336.3	348.7	377.6	405.2	431.2	452.8	454.3
75°	521.5	498.8	485.1	470.3	485.1	498.8	521.5	542.8	563.1	578.5	577.0
72.5°	697.8	686.7	676.7	664.4	676.7	686.7	697.8	707.2	715.5	720.2	715.5
70°	897.5	896.1	897.9	897.4	897.9	896.1	897.5	896.5	893.4	889.1	882.5
67.5°	1131.7	1132.0	1136.8	1139.0	1136.8	1132.0	1131.7	1127.0	1117.8	1106.0	1092.0
65°	1402.5	1405.9	1404.6	1397.8	1404.6	1405.9	1402.5	1393.7	1379.3	1361.3	1339.7
62.5°	1712.5	1721.8	1726.9	1725.7	1726.9	1721.8	1712.5	1696.4	1673.8	1645.4	1612.4
60°	2041.0	2055.6	2063.0	2062.2	2063.0	2055.6	2041.0	2018.5	1988.4	1951.1	1906.1
57.5°	2396.4	2415.2	2419.5	2411.7	2419.5	2415.2	2396.4	2367.8	2329.4	2283.7	2227.9
55°	2788.5	2812.4	2821.6	2817.2	2821.6	2812.4	2788.5	2752.5	2704.8	2648.6	2581.5
52.5°	3203.0	3228.9	3238.0	3231.4	3238.0	3228.9	3203.0	3162.7	3107.8	3038.9	2958.6
50°	3633.5	3664.8	3677.5	3671.5	3677.5	3664.8	3633.5	3586.7	3523.1	3442.1	3348.6
47.5°	4090.5	4132.2	4148.4	4137.4	4148.4	4132.2	4090.5	4031.6	3956.4	3861.3	3744.7
45°	4571.3	4614.6	4631.4	4620.6	4631.4	4614.6	4571.3	4505.6	4417.7	4313.0	4193.4
42.5°	5060.8	5117.1	5140.8	5121.1	5140.8	5117.1	5060.8	4984.4	4884.4	4765.4	4629.0
40°	5558.9	5620.0	5648.1	5634.5	5648.1	5620.0	5558.9	5471.0	5353.2	5211.7	5057.9
37.5°	6069.8	6130.6	6160.4	6160.8	6160.4	6130.6	6069.8	5975.4	5844.6	5683.5	5509.9
35°	6582.7	6656.2	6697.8	6695.8	6697.8	6656.2	6582.7	6479.0	6345.1	6181.9	5977.4
32.5°	7102.6	7182.2	7224.8	7230.8	7224.8	7182.2	7102.6	6981.0	6827.1	6647.7	6437.3
30°	7621.7	7709.3	7758.5	7778.7	7758.5	7709.3	7621.7	7486.9	7314.3	7118.1	6891.8
27.5°	8125.2	8232.9	8307.2	8313.7	8307.2	8232.9	8125.2	7987.3	7805.3	7592.1	7345.1
25°	8612.7	8722.3	8798.6	8814.1	8798.6	8722.3	8612.7	8475.4	8288.5	8054.4	7790.6
22.5°	9093.2	9207.9	9278.2	9305.9	9278.2	9207.9	9093.2	8939.5	8732.5	8487.9	8208.3
20°	9552.0	9676.2	9750.8	9780.5	9750.8	9676.2	9552.0	9383.0	9154.8	8894.4	8598.5
17.5°	9966.9	10098.3	10190.4	10216.3	10190.4	10098.3	9966.9	9788.1	9549.2	9272.6	8953.4
15°	10332.2	10456.7	10544.1	10578.7	10544.1	10456.7	10332.2	10156.6	9914.4	9615.3	9260.9
12.5°	10629.4	10740.8	10809.3	10841.8	10809.3	10740.8	10629.4	10461.9	10239.2	9903.3	9531.1
10°	10861.6	10973.4	11038.8	11083.4	11038.8	10973.4	10861.6	10705.9	10457.2	10156.3	9790.5
7.5°	11063.2	11177.7	11257.8	11320.7	11257.8	11177.7	11063.2	10853.0	10631.1	10347.7	9978.4
5°	11174.4	11365.6	11394.4	11437.2	11394.4	11365.6	11174.4	10984.0	10742.1	10453.7	10093.2
2.5°	11259.3	11394.9	11476.4	11467.4	11476.4	11394.9	11259.3	11035.2	10803.6	10539.4	10190.3
0°	11320.7	11441.5	11471.7	11510.6	11471.7	11441.5	11320.7	11096.4	10854.8	10591.6	10229.2
-2.5°	11259.3	11394.9	11476.4	11467.4	11476.4	11394.9	11259.3	11035.2	10803.6	10539.4	10190.3
-5°	11174.4	11365.6	11394.4	11437.2	11394.4	11365.6	11174.4	10984.0	10742.1	10453.7	10093.2
-7.5°	11063.2	11177.7	11257.8	11320.7	11257.8	11177.7	11063.2	10853.0	10631.1	10347.7	9978.4
-10°	10861.6	10973.4	11038.8	11083.4	11038.8	10973.4	10861.6	10705.9	10457.2	10156.3	9790.5
-12.5°	10629.4	10740.8	10809.3	10841.8	10809.3	10740.8	10629.4	10461.9	10239.2	9903.3	9531.1
-15°	10332.2	10456.7	10544.1	10578.7	10544.1	10456.7	10332.2	10156.6	9914.4	9615.3	9260.9
-17.5°	9966.9	10098.3	10190.4	10216.3	10190.4	10098.3	9966.9	9788.1	9549.2	9272.6	8953.4
-20°	9552.0	9676.2	9750.8	9780.5	9750.8	9676.2	9552.0	9383.0	9154.8	8894.4	8598.5



REPORT NUMBER: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	9093.2	9207.9	9278.2	9305.9	9278.2	9207.9	9093.2	8939.5	8732.5	8487.9	8208.3
-25°	8612.7	8722.3	8798.6	8814.1	8798.6	8722.3	8612.7	8475.4	8288.5	8054.4	7790.6
-27.5°	8125.2	8232.9	8307.2	8313.7	8307.2	8232.9	8125.2	7987.3	7805.3	7592.1	7345.1
-30°	7621.7	7709.3	7758.5	7778.7	7758.5	7709.3	7621.7	7486.9	7314.3	7118.1	6891.8
-32.5°	7102.6	7182.2	7224.8	7230.8	7224.8	7182.2	7102.6	6981.0	6827.1	6647.7	6437.3
-35°	6582.7	6656.2	6697.8	6695.8	6697.8	6656.2	6582.7	6479.0	6345.1	6181.9	5977.4
-37.5°	6069.8	6130.6	6160.4	6160.8	6160.4	6130.6	6069.8	5975.4	5844.6	5683.5	5509.9
-40°	5558.9	5620.0	5648.1	5634.5	5648.1	5620.0	5558.9	5471.0	5353.2	5211.7	5057.9
-42.5°	5060.8	5117.1	5140.8	5121.1	5140.8	5117.1	5060.8	4984.4	4884.4	4765.4	4629.0
-45°	4571.3	4614.6	4631.4	4620.6	4631.4	4614.6	4571.3	4505.6	4417.7	4313.0	4193.4
-47.5°	4090.5	4132.2	4148.4	4137.4	4148.4	4132.2	4090.5	4031.6	3956.4	3861.3	3744.7
-50°	3633.5	3664.8	3677.5	3671.5	3677.5	3664.8	3633.5	3586.7	3523.1	3442.1	3348.6
-52.5°	3203.0	3228.9	3238.0	3231.4	3238.0	3228.9	3203.0	3162.7	3107.8	3038.9	2958.6
-55°	2788.5	2812.4	2821.6	2817.2	2821.6	2812.4	2788.5	2752.5	2704.8	2648.6	2581.5
-57.5°	2396.4	2415.2	2419.5	2411.7	2419.5	2415.2	2396.4	2367.8	2329.4	2283.7	2227.9
-60°	2041.0	2055.6	2063.0	2062.2	2063.0	2055.6	2041.0	2018.5	1988.4	1951.1	1906.1
-62.5°	1712.5	1721.8	1726.9	1725.7	1726.9	1721.8	1712.5	1696.4	1673.8	1645.4	1612.4
-65°	1402.5	1405.9	1404.6	1397.8	1404.6	1405.9	1402.5	1393.7	1379.3	1361.3	1339.7
-67.5°	1131.7	1132.0	1136.8	1139.0	1136.8	1132.0	1131.7	1127.0	1117.8	1106.0	1092.0
-70°	897.5	896.1	897.9	897.4	897.9	896.1	897.5	896.5	893.4	889.1	882.5
-72.5°	697.8	686.7	676.7	664.4	676.7	686.7	697.8	707.2	715.5	720.2	715.5
-75°	521.5	498.8	485.1	470.3	485.1	498.8	521.5	542.8	563.1	578.5	577.0
-77.5°	377.6	348.7	336.3	323.6	336.3	348.7	377.6	405.2	431.2	452.8	454.3
-80°	254.5	228.1	217.7	207.1	217.7	228.1	254.5	279.7	303.6	324.6	330.3
-82.5°	152.7	133.3	127.1	120.8	127.1	133.3	152.7	171.4	189.2	205.3	207.0
-85°	75.6	64.4	60.3	56.1	60.3	64.4	75.6	86.4	96.5	105.7	102.4
-87.5°	13.9	12.9	12.9	12.9	12.9	12.9	13.9	14.9	15.8	16.7	16.5
-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: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	16.3	16.0	15.7	15.3	15.0	14.6	14.2	13.7	13.3	12.8	12.2
85°	98.8	95.0	90.9	86.5	81.9	77.2	72.1	63.2	54.9	47.2	40.6
82.5°	207.4	206.5	203.5	191.8	180.0	168.1	155.6	137.0	118.8	101.0	85.5
80°	334.4	336.6	334.4	314.9	295.1	275.2	254.0	226.9	199.4	173.2	153.6
77.5°	455.3	455.8	452.2	432.8	411.4	388.1	361.5	328.8	296.0	262.9	237.7
75°	574.1	570.1	561.9	544.1	522.7	497.6	471.6	442.8	409.3	370.7	337.7
72.5°	708.6	699.5	686.8	669.2	648.5	626.3	599.2	567.5	532.4	493.9	459.0
70°	872.0	857.6	838.5	814.7	791.3	766.8	737.8	702.8	661.9	619.4	580.5
67.5°	1073.9	1051.7	1024.7	995.9	966.8	932.8	893.8	851.1	808.9	761.6	708.3
65°	1312.7	1280.6	1241.5	1204.2	1163.6	1119.4	1069.5	1020.1	968.4	911.7	844.0
62.5°	1575.2	1534.4	1481.3	1427.3	1372.2	1315.4	1254.3	1193.5	1131.8	1065.0	988.8
60°	1853.5	1792.7	1731.6	1664.7	1592.0	1515.8	1446.3	1372.5	1294.4	1218.8	1135.3
57.5°	2162.0	2087.2	2007.4	1922.0	1831.7	1742.7	1652.7	1559.8	1471.5	1379.3	1284.8
55°	2504.0	2415.8	2315.5	2205.4	2091.5	1988.2	1875.7	1763.0	1656.7	1544.8	1440.6
52.5°	2868.3	2762.6	2646.3	2521.4	2391.7	2257.5	2120.8	1991.4	1852.9	1726.3	1600.4
50°	3243.8	3122.8	2988.8	2845.2	2701.0	2545.5	2389.1	2233.5	2076.6	1921.3	1770.5
47.5°	3625.3	3494.1	3345.2	3186.3	3021.3	2847.6	2669.6	2482.5	2309.0	2128.8	1957.5
45°	4044.6	3882.8	3715.9	3540.9	3352.1	3160.6	2960.9	2756.0	2547.3	2349.2	2148.3
42.5°	4466.4	4284.4	4091.3	3898.9	3693.0	3478.5	3255.7	3030.0	2800.6	2572.1	2352.6
40°	4886.4	4689.6	4479.1	4259.1	4034.6	3798.2	3554.4	3303.3	3054.2	2803.0	2554.6
37.5°	5316.2	5103.5	4875.5	4633.3	4381.8	4119.9	3851.5	3579.7	3305.0	3034.7	2765.3
35°	5756.9	5524.1	5272.5	5007.9	4731.1	4444.4	4150.1	3852.3	3556.8	3264.5	2972.6
32.5°	6193.7	5941.4	5670.1	5380.5	5075.9	4763.9	4447.4	4125.9	3802.4	3490.3	3179.4
30°	6634.2	6354.8	6060.9	5748.0	5417.7	5077.9	4735.1	4394.5	4049.8	3706.3	3377.4
27.5°	7065.7	6760.8	6441.5	6103.2	5750.2	5385.7	5017.4	4653.9	4286.2	3921.0	3566.4
25°	7485.7	7156.5	6804.2	6442.9	6068.7	5680.1	5284.2	4899.6	4515.7	4124.9	3736.0
22.5°	7889.9	7529.5	7149.8	6763.3	6369.7	5961.4	5539.2	5124.7	4727.4	4307.7	3901.4
20°	8262.6	7875.7	7470.2	7063.1	6646.8	6229.1	5776.7	5335.8	4908.5	4477.6	4051.2
17.5°	8593.3	8200.3	7774.9	7345.8	6902.6	6462.8	5998.7	5527.9	5075.1	4628.4	4183.1
15°	8884.8	8492.1	8061.4	7608.9	7135.7	6655.3	6186.7	5697.7	5227.0	4761.9	4305.1
12.5°	9149.5	8738.3	8308.2	7829.7	7327.4	6826.3	6338.9	5846.4	5362.1	4884.0	4414.8
10°	9387.2	8940.1	8485.0	8000.1	7487.8	6970.5	6468.6	5971.6	5477.0	4988.5	4505.3
7.5°	9550.0	9089.8	8619.5	8136.2	7623.1	7097.7	6580.7	6072.1	5566.6	5071.7	4575.9
5°	9670.2	9207.9	8736.1	8246.1	7728.2	7192.7	6663.4	6144.9	5630.3	5132.6	4626.1
2.5°	9762.6	9288.7	8815.7	8314.8	7796.2	7256.8	6722.6	6199.7	5681.0	5177.2	4670.6
0°	9828.0	9318.9	8861.6	8369.7	7839.1	7295.5	6760.5	6234.2	5712.1	5198.7	4694.0
-2.5°	9762.6	9288.7	8815.7	8314.8	7796.2	7256.8	6722.6	6199.7	5681.0	5177.2	4670.6
-5°	9670.2	9207.9	8736.1	8246.1	7728.2	7192.7	6663.4	6144.9	5630.3	5132.6	4626.1
-7.5°	9550.0	9089.8	8619.5	8136.2	7623.1	7097.7	6580.7	6072.1	5566.6	5071.7	4575.9
-10°	9387.2	8940.1	8485.0	8000.1	7487.8	6970.5	6468.6	5971.6	5477.0	4988.5	4505.3
-12.5°	9149.5	8738.3	8308.2	7829.7	7327.4	6826.3	6338.9	5846.4	5362.1	4884.0	4414.8
-15°	8884.8	8492.1	8061.4	7608.9	7135.7	6655.3	6186.7	5697.7	5227.0	4761.9	4305.1
-17.5°	8593.3	8200.3	7774.9	7345.8	6902.6	6462.8	5998.7	5527.9	5075.1	4628.4	4183.1
-20°	8262.6	7875.7	7470.2	7063.1	6646.8	6229.1	5776.7	5335.8	4908.5	4477.6	4051.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-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°	7889.9	7529.5	7149.8	6763.3	6369.7	5961.4	5539.2	5124.7	4727.4	4307.7	3901.4
-25°	7485.7	7156.5	6804.2	6442.9	6068.7	5680.1	5284.2	4899.6	4515.7	4124.9	3736.0
-27.5°	7065.7	6760.8	6441.5	6103.2	5750.2	5385.7	5017.4	4653.9	4286.2	3921.0	3566.4
-30°	6634.2	6354.8	6060.9	5748.0	5417.7	5077.9	4735.1	4394.5	4049.8	3706.3	3377.4
-32.5°	6193.7	5941.4	5670.1	5380.5	5075.9	4763.9	4447.4	4125.9	3802.4	3490.3	3179.4
-35°	5756.9	5524.1	5272.5	5007.9	4731.1	4444.4	4150.1	3852.3	3556.8	3264.5	2972.6
-37.5°	5316.2	5103.5	4875.5	4633.3	4381.8	4119.9	3851.5	3579.7	3305.0	3034.7	2765.3
-40°	4886.4	4689.6	4479.1	4259.1	4034.6	3798.2	3554.4	3303.3	3054.2	2803.0	2554.6
-42.5°	4466.4	4284.4	4091.3	3898.9	3693.0	3478.5	3255.7	3030.0	2800.6	2572.1	2352.6
-45°	4044.6	3882.8	3715.9	3540.9	3352.1	3160.6	2960.9	2756.0	2547.3	2349.2	2148.3
-47.5°	3625.3	3494.1	3345.2	3186.3	3021.3	2847.6	2669.6	2482.5	2309.0	2128.8	1957.5
-50°	3243.8	3122.8	2988.8	2845.2	2701.0	2545.5	2389.1	2233.5	2076.6	1921.3	1770.5
-52.5°	2868.3	2762.6	2646.3	2521.4	2391.7	2257.5	2120.8	1991.4	1852.9	1726.3	1600.4
-55°	2504.0	2415.8	2315.5	2205.4	2091.5	1988.2	1875.7	1763.0	1656.7	1544.8	1440.6
-57.5°	2162.0	2087.2	2007.4	1922.0	1831.7	1742.7	1652.7	1559.8	1471.5	1379.3	1284.8
-60°	1853.5	1792.7	1731.6	1664.7	1592.0	1515.8	1446.3	1372.5	1294.4	1218.8	1135.3
-62.5°	1575.2	1534.4	1481.3	1427.3	1372.2	1315.4	1254.3	1193.5	1131.8	1065.0	988.8
-65°	1312.7	1280.6	1241.5	1204.2	1163.6	1119.4	1069.5	1020.1	968.4	911.7	844.0
-67.5°	1073.9	1051.7	1024.7	995.9	966.8	932.8	893.8	851.1	808.9	761.6	708.3
-70°	872.0	857.6	838.5	814.7	791.3	766.8	737.8	702.8	661.9	619.4	580.5
-72.5°	708.6	699.5	686.8	669.2	648.5	626.3	599.2	567.5	532.4	493.9	459.0
-75°	574.1	570.1	561.9	544.1	522.7	497.6	471.6	442.8	409.3	370.7	337.7
-77.5°	455.3	455.8	452.2	432.8	411.4	388.1	361.5	328.8	296.0	262.9	237.7
-80°	334.4	336.6	334.4	314.9	295.1	275.2	254.0	226.9	199.4	173.2	153.6
-82.5°	207.4	206.5	203.5	191.8	180.0	168.1	155.6	137.0	118.8	101.0	85.5
-85°	98.8	95.0	90.9	86.5	81.9	77.2	72.1	63.2	54.9	47.2	40.6
-87.5°	16.3	16.0	15.7	15.3	15.0	14.6	14.2	13.7	13.3	12.8	12.2
-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: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	12.4	12.5	12.5	12.4	11.0	9.7	8.5	7.3	6.6	5.9	5.2
85°	40.8	39.8	37.7	34.2	26.9	19.4	16.9	14.6	13.2	11.8	10.4
82.5°	85.2	86.1	86.0	83.5	73.7	63.3	52.5	41.3	30.6	19.5	15.6
80°	153.8	152.2	148.5	141.5	125.4	107.2	93.5	79.3	65.4	50.9	35.8
77.5°	232.6	225.9	217.8	208.6	191.5	171.4	148.3	122.1	100.0	82.2	63.6
75°	320.6	310.0	298.6	283.2	261.2	236.1	210.7	180.2	146.3	114.4	91.2
72.5°	431.0	405.4	382.5	360.9	337.1	309.0	276.6	237.3	196.1	157.3	120.8
70°	542.7	504.3	470.1	440.7	412.0	382.6	347.0	298.6	245.0	199.3	156.4
67.5°	656.2	610.8	565.0	521.1	484.8	450.2	415.9	359.6	298.2	240.4	191.1
65°	781.5	720.9	662.6	608.4	559.2	515.9	475.7	416.6	349.7	284.7	224.9
62.5°	910.6	833.2	764.2	695.0	633.8	581.2	532.8	467.6	399.0	327.6	260.1
60°	1046.2	958.2	866.5	785.7	710.6	644.0	585.4	517.9	445.1	368.9	295.2
57.5°	1189.1	1085.5	982.5	880.4	790.3	710.4	636.6	565.7	490.4	409.6	327.8
55°	1333.8	1222.3	1100.4	985.3	874.7	779.7	690.8	611.4	534.2	449.6	356.0
52.5°	1478.7	1356.2	1225.4	1092.4	968.6	849.8	750.5	656.0	574.5	488.7	385.3
50°	1630.3	1489.9	1349.7	1206.0	1062.1	931.8	808.0	707.2	613.5	525.8	413.1
47.5°	1788.0	1631.6	1475.6	1318.6	1164.2	1010.3	875.3	757.3	651.3	559.4	439.0
45°	1961.0	1778.0	1605.3	1435.5	1261.0	1095.1	943.3	805.3	694.2	585.6	462.9
42.5°	2133.8	1932.6	1739.6	1550.7	1362.3	1179.4	1007.8	861.7	735.2	610.6	484.8
40°	2317.6	2087.6	1873.8	1668.8	1461.2	1259.6	1079.2	916.7	773.6	636.6	505.6
37.5°	2496.3	2246.6	2011.6	1781.6	1558.1	1346.2	1147.9	968.2	810.0	665.9	525.3
35°	2685.5	2406.3	2139.0	1895.1	1657.8	1428.3	1212.2	1020.2	851.9	694.3	543.9
32.5°	2868.3	2562.5	2275.8	2007.0	1753.1	1505.7	1278.4	1075.3	892.2	722.0	561.2
30°	3047.9	2719.3	2406.9	2112.9	1845.4	1586.9	1344.7	1126.7	930.7	748.7	578.6
27.5°	3213.4	2864.5	2532.5	2222.3	1936.1	1663.9	1407.4	1174.4	967.3	776.1	598.8
25°	3367.7	3004.1	2656.4	2327.6	2020.3	1736.8	1465.1	1218.6	1004.5	804.7	617.5
22.5°	3512.4	3133.8	2768.7	2424.6	2098.2	1803.8	1521.3	1265.6	1039.8	831.1	634.7
20°	3643.9	3250.6	2869.2	2512.5	2174.1	1867.6	1575.4	1307.8	1071.2	855.0	650.2
17.5°	3762.4	3357.4	2965.2	2594.7	2244.7	1924.3	1623.5	1344.9	1098.9	876.3	663.8
15°	3872.4	3454.4	3049.9	2666.4	2305.8	1973.7	1665.4	1377.0	1122.6	894.8	676.7
12.5°	3966.9	3537.6	3121.9	2727.4	2357.3	2015.5	1700.8	1403.8	1142.2	911.5	688.9
10°	4044.8	3606.4	3180.7	2777.2	2399.0	2049.6	1729.5	1426.4	1160.7	926.0	698.3
7.5°	4105.4	3660.3	3225.9	2815.6	2432.0	2078.0	1754.0	1446.0	1175.6	937.1	704.9
5°	4151.3	3702.3	3265.3	2847.8	2462.4	2101.0	1771.8	1460.0	1186.3	944.7	708.6
2.5°	4192.1	3733.9	3296.3	2868.7	2483.1	2115.9	1782.5	1468.4	1192.9	948.8	709.5
0°	4215.1	3749.1	3313.4	2877.6	2493.7	2122.6	1786.1	1471.2	1195.1	949.1	707.5
-2.5°	4192.1	3733.9	3296.3	2868.7	2483.1	2115.9	1782.5	1468.4	1192.9	948.8	709.5
-5°	4151.3	3702.3	3265.3	2847.8	2462.4	2101.0	1771.8	1460.0	1186.3	944.7	708.6
-7.5°	4105.4	3660.3	3225.9	2815.6	2432.0	2078.0	1754.0	1446.0	1175.6	937.1	704.9
-10°	4044.8	3606.4	3180.7	2777.2	2399.0	2049.6	1729.5	1426.4	1160.7	926.0	698.3
-12.5°	3966.9	3537.6	3121.9	2727.4	2357.3	2015.5	1700.8	1403.8	1142.2	911.5	688.9
-15°	3872.4	3454.4	3049.9	2666.4	2305.8	1973.7	1665.4	1377.0	1122.6	894.8	676.7
-17.5°	3762.4	3357.4	2965.2	2594.7	2244.7	1924.3	1623.5	1344.9	1098.9	876.3	663.8
-20°	3643.9	3250.6	2869.2	2512.5	2174.1	1867.6	1575.4	1307.8	1071.2	855.0	650.2

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Scaled Data Report



REPORT NUMBER: P627561 (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°	3512.4	3133.8	2768.7	2424.6	2098.2	1803.8	1521.3	1265.6	1039.8	831.1	634.7
-25°	3367.7	3004.1	2656.4	2327.6	2020.3	1736.8	1465.1	1218.6	1004.5	804.7	617.5
-27.5°	3213.4	2864.5	2532.5	2222.3	1936.1	1663.9	1407.4	1174.4	967.3	776.1	598.8
-30°	3047.9	2719.3	2406.9	2112.9	1845.4	1586.9	1344.7	1126.7	930.7	748.7	578.6
-32.5°	2868.3	2562.5	2275.8	2007.0	1753.1	1505.7	1278.4	1075.3	892.2	722.0	561.2
-35°	2685.5	2406.3	2139.0	1895.1	1657.8	1428.3	1212.2	1020.2	851.9	694.3	543.9
-37.5°	2496.3	2246.6	2011.6	1781.6	1558.1	1346.2	1147.9	968.2	810.0	665.9	525.3
-40°	2317.6	2087.6	1873.8	1668.8	1461.2	1259.6	1079.2	916.7	773.6	636.6	505.6
-42.5°	2133.8	1932.6	1739.6	1550.7	1362.3	1179.4	1007.8	861.7	735.2	610.6	484.8
-45°	1961.0	1778.0	1605.3	1435.5	1261.0	1095.1	943.3	805.3	694.2	585.6	462.9
-47.5°	1788.0	1631.6	1475.6	1318.6	1164.2	1010.3	875.3	757.3	651.3	559.4	439.0
-50°	1630.3	1489.9	1349.7	1206.0	1062.1	931.8	808.0	707.2	613.5	525.8	413.1
-52.5°	1478.7	1356.2	1225.4	1092.4	968.6	849.8	750.5	656.0	574.5	488.7	385.3
-55°	1333.8	1222.3	1100.4	985.3	874.7	779.7	690.8	611.4	534.2	449.6	356.0
-57.5°	1189.1	1085.5	982.5	880.4	790.3	710.4	636.6	565.7	490.4	409.6	327.8
-60°	1046.2	958.2	866.5	785.7	710.6	644.0	585.4	517.9	445.1	368.9	295.2
-62.5°	910.6	833.2	764.2	695.0	633.8	581.2	532.8	467.6	399.0	327.6	260.1
-65°	781.5	720.9	662.6	608.4	559.2	515.9	475.7	416.6	349.7	284.7	224.9
-67.5°	656.2	610.8	565.0	521.1	484.8	450.2	415.9	359.6	298.2	240.4	191.1
-70°	542.7	504.3	470.1	440.7	412.0	382.6	347.0	298.6	245.0	199.3	156.4
-72.5°	431.0	405.4	382.5	360.9	337.1	309.0	276.6	237.3	196.1	157.3	120.8
-75°	320.6	310.0	298.6	283.2	261.2	236.1	210.7	180.2	146.3	114.4	91.2
-77.5°	232.6	225.9	217.8	208.6	191.5	171.4	148.3	122.1	100.0	82.2	63.6
-80°	153.8	152.2	148.5	141.5	125.4	107.2	93.5	79.3	65.4	50.9	35.8
-82.5°	85.2	86.1	86.0	83.5	73.7	63.3	52.5	41.3	30.6	19.5	15.6
-85°	40.8	39.8	37.7	34.2	26.9	19.4	16.9	14.6	13.2	11.8	10.4
-87.5°	12.4	12.5	12.5	12.4	11.0	9.7	8.5	7.3	6.6	5.9	5.2
-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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REPORT NUMBER: P627561 (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°	4.5	3.7	3.0	2.3	1.5	0.7	0.0
85°	8.9	7.5	6.0	4.5	3.0	1.3	0.0
82.5°	13.4	11.2	9.0	6.8	4.5	2.0	0.0
80°	20.2	14.9	12.0	9.0	6.0	2.6	0.0
77.5°	43.8	23.3	14.9	11.2	7.4	3.3	0.0
75°	67.0	40.4	19.4	13.4	8.9	3.9	0.0
72.5°	89.4	56.9	30.9	15.6	10.3	4.5	0.0
70°	111.7	72.8	42.0	18.6	11.6	5.1	0.0
67.5°	138.6	88.1	52.7	25.5	13.0	5.7	0.0
65°	164.3	105.2	62.9	32.1	14.3	6.3	0.0
62.5°	188.8	123.9	72.6	38.4	15.5	6.9	0.0
60°	211.7	141.7	81.7	44.4	16.7	7.4	0.0
57.5°	236.0	158.3	93.8	50.0	20.1	7.9	0.0
55°	258.9	173.8	105.4	55.2	23.3	8.4	0.0
52.5°	280.2	188.5	116.1	60.1	26.5	8.9	0.0
50°	299.6	204.1	126.0	64.5	29.5	9.4	0.0
47.5°	317.9	218.4	135.1	69.1	32.4	9.8	0.0
45°	338.1	231.2	143.2	75.1	35.1	10.2	0.0
42.5°	356.7	242.7	150.4	80.5	37.7	10.6	0.0
40°	373.6	252.6	157.6	86.1	40.1	11.0	0.0
37.5°	388.7	261.2	164.8	91.6	42.4	11.3	0.0
35°	402.0	271.0	170.9	96.7	44.5	11.6	0.0
32.5°	414.4	280.9	176.1	101.4	46.5	11.9	0.0
30°	427.2	289.3	180.2	105.7	48.2	12.1	0.0
27.5°	438.7	296.3	186.3	109.6	49.9	12.3	0.0
25°	448.8	301.8	192.1	113.1	51.3	12.5	0.0
22.5°	457.5	307.4	197.2	116.2	52.6	12.7	0.0
20°	464.6	315.0	201.6	118.8	53.7	12.8	0.0
17.5°	473.6	321.3	205.3	121.1	54.6	12.9	0.0
15°	482.9	326.1	208.3	122.9	55.3	13.0	0.0
12.5°	490.5	329.6	210.5	124.3	55.9	13.1	0.0
10°	496.3	331.8	212.1	125.3	56.3	13.1	0.0
7.5°	500.2	332.7	212.9	125.9	56.5	13.1	0.0
5°	502.3	332.3	213.1	126.0	56.5	13.0	0.0
2.5°	502.4	330.7	212.6	125.8	56.4	13.0	0.0
0°	500.5	327.9	211.4	125.1	56.1	12.9	0.0
-2.5°	502.4	330.7	212.6	125.8	56.4	13.0	0.0
-5°	502.3	332.3	213.1	126.0	56.5	13.0	0.0
-7.5°	500.2	332.7	212.9	125.9	56.5	13.1	0.0
-10°	496.3	331.8	212.1	125.3	56.3	13.1	0.0
-12.5°	490.5	329.6	210.5	124.3	55.9	13.1	0.0
-15°	482.9	326.1	208.3	122.9	55.3	13.0	0.0
-17.5°	473.6	321.3	205.3	121.1	54.6	12.9	0.0
-20°	464.6	315.0	201.6	118.8	53.7	12.8	0.0

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REPORT NUMBER: P627561 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	457.5	307.4	197.2	116.2	52.6	12.7	0.0
-25°	448.8	301.8	192.1	113.1	51.3	12.5	0.0
-27.5°	438.7	296.3	186.3	109.6	49.9	12.3	0.0
-30°	427.2	289.3	180.2	105.7	48.2	12.1	0.0
-32.5°	414.4	280.9	176.1	101.4	46.5	11.9	0.0
-35°	402.0	271.0	170.9	96.7	44.5	11.6	0.0
-37.5°	388.7	261.2	164.8	91.6	42.4	11.3	0.0
-40°	373.6	252.6	157.6	86.1	40.1	11.0	0.0
-42.5°	356.7	242.7	150.4	80.5	37.7	10.6	0.0
-45°	338.1	231.2	143.2	75.1	35.1	10.2	0.0
-47.5°	317.9	218.4	135.1	69.1	32.4	9.8	0.0
-50°	299.6	204.1	126.0	64.5	29.5	9.4	0.0
-52.5°	280.2	188.5	116.1	60.1	26.5	8.9	0.0
-55°	258.9	173.8	105.4	55.2	23.3	8.4	0.0
-57.5°	236.0	158.3	93.8	50.0	20.1	7.9	0.0
-60°	211.7	141.7	81.7	44.4	16.7	7.4	0.0
-62.5°	188.8	123.9	72.6	38.4	15.5	6.9	0.0
-65°	164.3	105.2	62.9	32.1	14.3	6.3	0.0
-67.5°	138.6	88.1	52.7	25.5	13.0	5.7	0.0
-70°	111.7	72.8	42.0	18.6	11.6	5.1	0.0
-72.5°	89.4	56.9	30.9	15.6	10.3	4.5	0.0
-75°	67.0	40.4	19.4	13.4	8.9	3.9	0.0
-77.5°	43.8	23.3	14.9	11.2	7.4	3.3	0.0
-80°	20.2	14.9	12.0	9.0	6.0	2.6	0.0
-82.5°	13.4	11.2	9.0	6.8	4.5	2.0	0.0
-85°	8.9	7.5	6.0	4.5	3.0	1.3	0.0
-87.5°	4.5	3.7	3.0	2.3	1.5	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)