

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-735-U-WR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-735-U-WR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24452.3 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 5H x 5V
Max Intensity: 27716.9 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 50.9°H x 47.1°V
Beam Lumens: 11772.6 lumens
Beam Efficiency: 48.1%

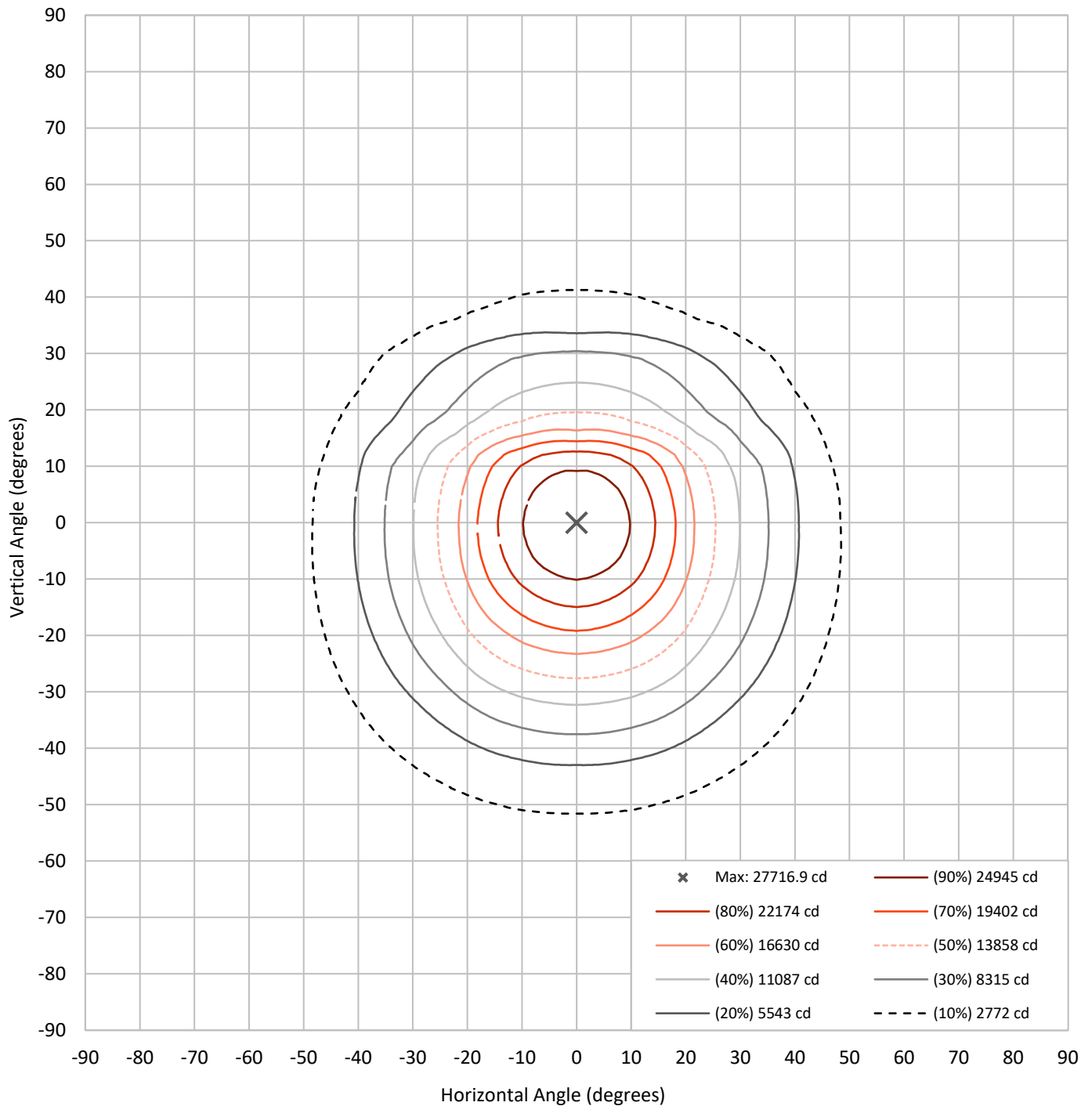
Field Angle (10%): 96.7°H x 92.9°V
Field Lumens: 21893.1 lumens
Field Efficiency: 89.5%

Input Watts (W): 206.1
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



REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





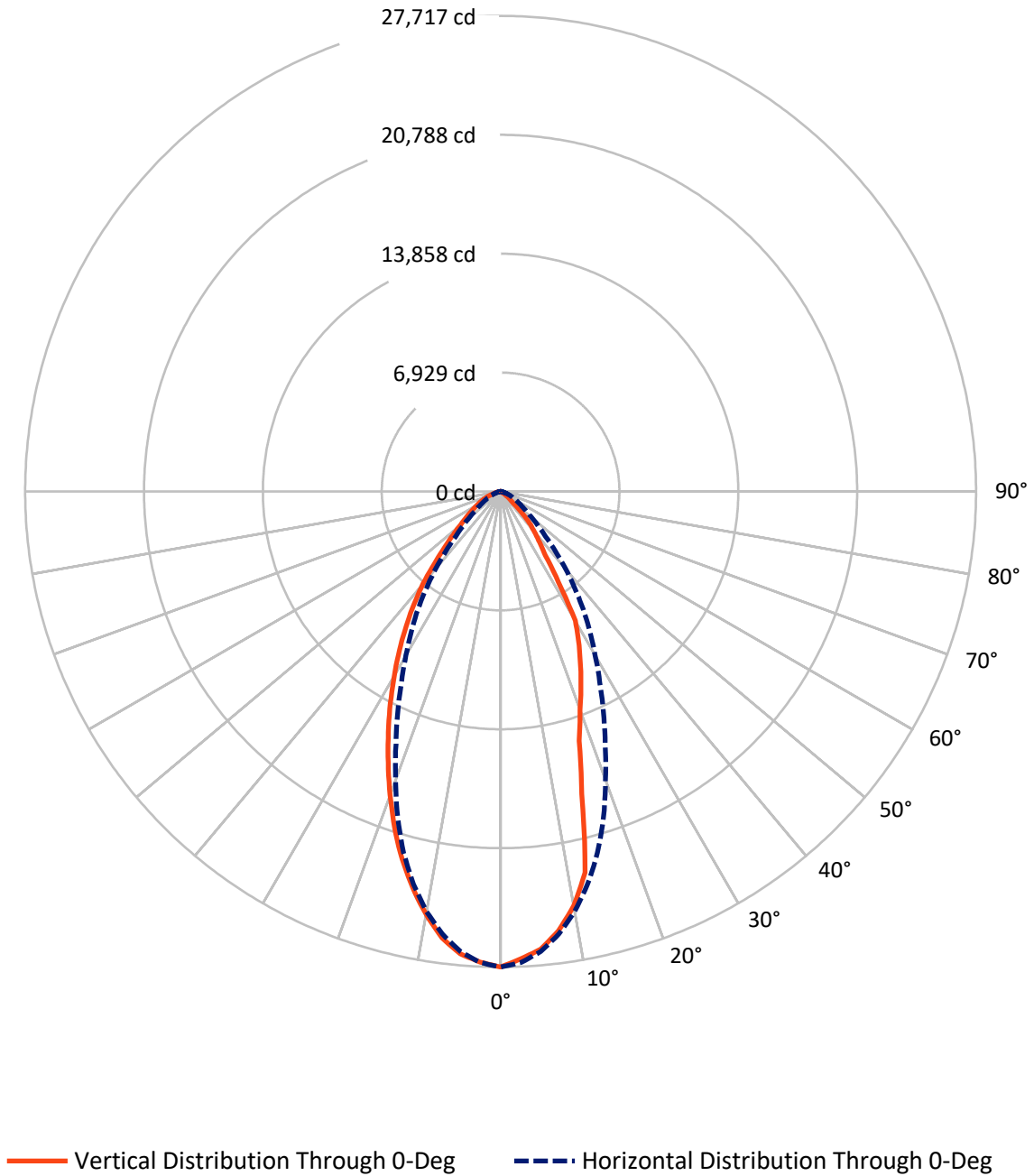
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Lumen Table

90																			
80	0.0	0.1		0.2		0.0		0.0		0.0		0.2		0.1		0.0			
70																			
60	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1			
50		0.5	1.3	2.3	3.8	5.6	7.7	8.7	8.7	7.7	5.6	3.8	2.3	1.3	0.5				
40	1.0	1.9	4.7	9.9	18.2	29.9	43.1	52.8	52.8	43.1	29.9	18.2	9.9	4.7	1.9	1.0			
30		3.7	9.5	22.1	45.7	83.9	128.3	154.2	154.2	128.3	83.9	45.7	22.1	9.5	3.7				
20	2.7	5.8	15.5	40.2	95.0	178.3	271.4	327.1	327.1	271.4	178.3	95.0	40.2	15.5	5.8	2.7			
10		7.9	22.1	62.9	156.2	289.0	451.5	558.2	558.2	451.5	289.0	156.2	62.9	22.1	7.9				
0	3.8	9.2	27.7	81.4	205.2	382.4	614.1	778.5	778.5	614.1	382.4	205.2	81.4	27.7	9.2	3.8			
-10		9.6	28.9	84.0	208.1	388.0	620.3	783.4	783.4	620.3	388.0	208.1	84.0	28.9	9.6				
-20	4.0	9.5	27.4	74.9	184.4	340.7	525.1	648.0	648.0	525.1	340.7	184.4	74.9	27.4	9.5	4.0			
-30		8.7	23.7	58.6	137.6	256.8	382.8	459.0	459.0	382.8	256.8	137.6	58.6	23.7	8.7				
-40	3.4	7.7	19.2	42.3	86.6	159.3	240.4	286.2	286.2	240.4	159.3	86.6	42.3	19.2	7.7	3.4			
-50		6.4	14.8	29.3	52.0	83.4	119.6	142.4	142.4	119.6	83.4	52.0	29.3	14.8	6.4				
-60	2.2	4.9	10.8	19.5	31.8	45.7	59.1	66.9	66.9	59.1	45.7	31.8	19.5	10.8	4.9	2.2			
-70		3.5	7.2	12.0	18.4	25.1	30.8	33.6	33.6	30.8	25.1	18.4	12.0	7.2	3.5				
-80	0.6	7.0		17.9		32.1		29.3		32.1		17.9		7.0		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

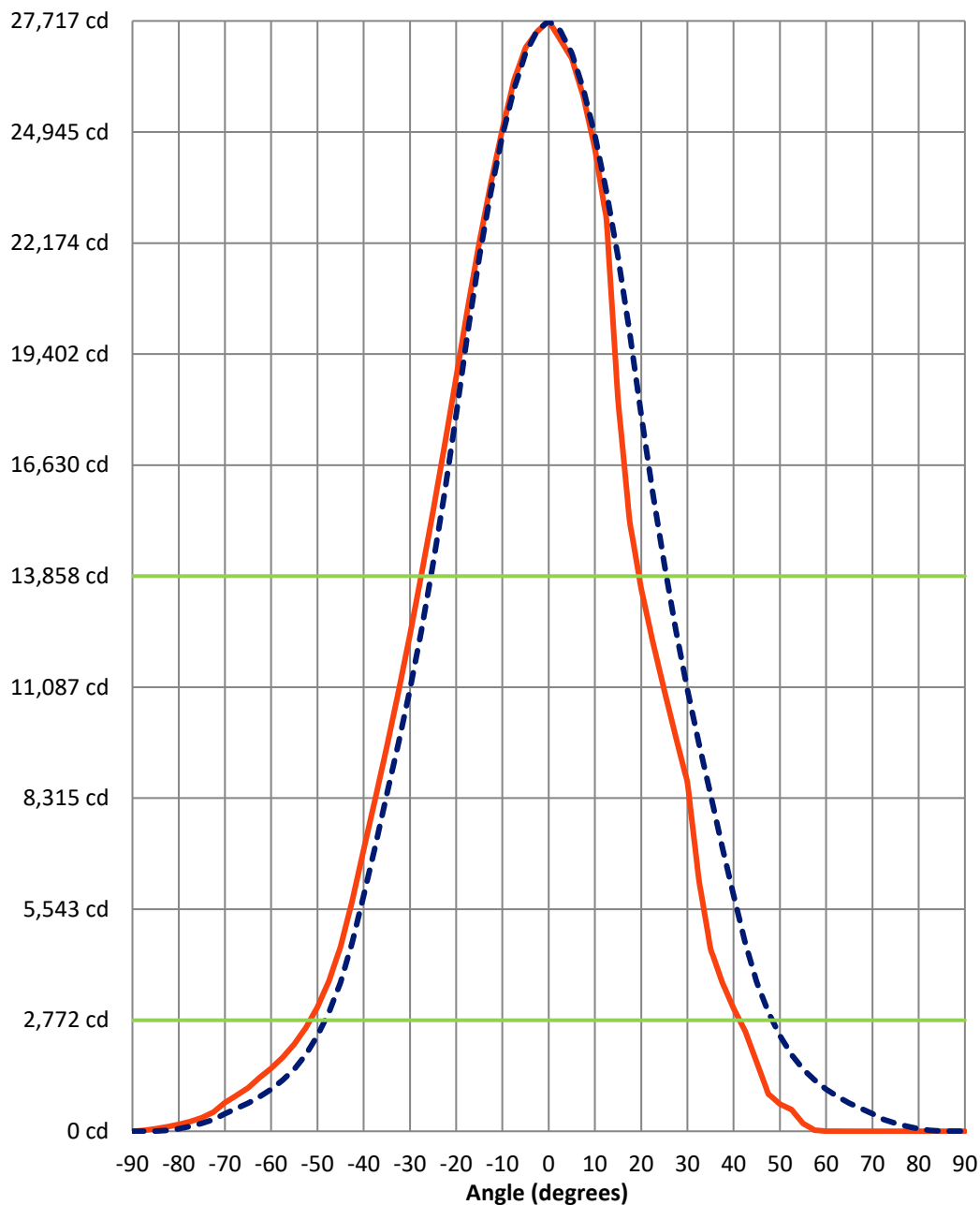
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 50.9°
 V Angle: 47.1°
 Lumens: 11772.6
 Efficiency: 48.1%

Field:
 H Angle: 96.7°
 V Angle: 92.9°
 Lumens: 21893.1
 Efficiency: 89.5%

Spill:
 Lumens: 2559.2
 Efficiency: 10.5%

- 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	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.0	2.0
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.4	0.9	1.3	1.7	2.0	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.6	1.2	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	0.0	0.7	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2
67.5°	0.0	0.8	1.5	2.0	2.0	2.0	2.2	2.0	2.0	2.6	2.5
65°	0.0	0.8	1.7	2.0	2.0	2.2	2.4	2.0	2.9	3.2	3.8
62.5°	0.0	0.9	1.8	2.0	2.0	2.7	2.7	2.7	3.8	5.3	8.3
60°	0.0	1.0	2.0	2.0	2.0	3.2	3.1	3.7	4.7	13.1	14.2
57.5°	0.0	1.1	2.0	2.0	2.5	3.7	5.4	5.1	12.9	22.1	24.3
55°	0.0	1.1	2.1	2.0	3.1	4.4	8.2	7.5	23.6	33.3	37.6
52.5°	0.0	1.2	2.1	2.0	3.8	5.5	11.4	18.6	35.3	49.4	53.3
50°	0.0	1.3	2.1	2.0	4.4	8.9	15.1	30.8	49.4	67.3	81.3
47.5°	0.0	1.4	2.2	2.1	5.1	12.6	20.1	43.1	67.8	87.0	110.4
45°	0.0	1.4	2.2	2.7	5.8	16.5	30.8	55.5	86.3	112.6	139.0
42.5°	0.0	1.5	2.3	3.2	6.6	20.6	41.5	70.1	104.8	138.0	170.9
40°	0.0	1.5	2.4	3.9	8.6	24.9	52.1	86.1	124.0	162.8	204.1
37.5°	0.0	1.6	2.5	4.8	12.0	29.5	62.7	101.9	144.7	188.2	238.0
35°	0.0	1.6	2.5	5.7	15.5	36.6	73.2	117.5	165.6	218.7	275.0
32.5°	0.0	1.7	2.6	6.7	18.9	44.9	84.2	132.8	186.5	249.9	316.5
30°	0.0	1.7	2.7	7.8	22.4	52.9	96.6	148.3	207.4	281.8	358.4
27.5°	0.0	1.8	2.8	8.9	26.4	60.7	108.6	165.4	230.3	314.2	400.4
25°	0.0	1.8	2.9	10.1	30.4	68.3	120.2	182.0	256.7	348.7	442.4
22.5°	0.0	1.8	3.0	11.3	34.3	75.6	131.3	198.2	282.9	383.6	485.0
20°	0.0	1.9	3.2	12.5	38.0	82.7	141.8	213.9	308.6	417.8	525.6
17.5°	0.0	1.9	3.3	13.8	41.7	89.4	151.6	228.9	333.7	451.0	564.1
15°	0.0	1.9	3.4	15.0	45.1	95.7	160.6	242.3	357.8	482.9	600.3
12.5°	0.0	2.0	3.5	16.3	48.4	101.5	168.9	253.5	377.9	513.5	634.3
10°	0.0	2.0	3.6	17.5	51.5	106.8	176.3	263.4	393.9	531.5	661.0
7.5°	0.0	2.0	3.7	18.7	54.4	111.6	183.0	272.2	408.0	545.2	675.0
5°	0.0	2.0	3.8	19.8	57.0	115.8	188.8	279.7	420.0	556.2	686.2
2.5°	0.0	2.0	3.9	20.8	59.3	119.6	193.9	286.0	429.9	564.5	694.9
0°	0.0	2.0	4.0	21.8	61.4	122.7	198.0	291.0	437.5	570.2	700.8
-2.5°	0.0	2.1	4.6	23.2	64.2	126.6	203.4	299.4	446.1	578.4	710.1
-5°	0.0	2.2	5.2	24.4	66.7	129.8	207.8	306.4	452.3	584.3	716.7
-7.5°	0.0	2.4	5.8	25.6	68.8	132.5	211.3	311.9	456.3	588.0	720.6
-10°	0.0	2.5	6.3	26.6	70.5	134.5	213.9	315.8	458.0	589.5	721.8
-12.5°	0.0	2.6	6.8	27.5	71.8	135.8	215.4	318.0	457.5	588.5	718.5
-15°	0.0	2.7	7.3	28.2	72.7	136.4	215.8	318.5	454.1	583.4	711.5
-17.5°	0.0	2.8	7.8	28.7	73.1	136.3	215.2	317.9	448.3	576.5	701.8
-20°	0.0	2.8	8.2	29.1	73.0	135.6	214.6	316.4	440.9	567.8	689.5

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CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.9	8.5	29.2	72.4	134.1	214.7	313.5	432.2	557.4	674.5
-25°	0.0	2.9	8.8	29.2	71.3	133.6	213.7	309.4	422.3	545.6	657.0
-27.5°	0.0	3.0	9.1	29.0	69.6	133.0	211.7	303.9	411.3	531.9	640.7
-30°	0.0	3.0	9.3	28.6	67.6	131.6	208.6	297.2	401.6	516.4	623.3
-32.5°	0.0	3.0	9.5	28.0	66.8	129.3	204.4	291.6	392.0	500.3	604.6
-35°	0.0	3.0	9.6	27.2	65.4	126.2	200.4	285.5	381.2	483.6	584.8
-37.5°	0.0	3.0	9.6	26.1	63.4	122.8	195.9	278.2	369.1	466.5	561.4
-40°	0.0	3.0	9.6	24.9	60.9	119.8	190.2	269.6	355.7	450.5	536.5
-42.5°	0.0	2.9	9.5	23.7	59.1	116.1	183.5	259.8	343.4	429.8	510.0
-45°	0.0	2.9	9.3	22.8	57.9	111.6	175.7	249.5	330.7	407.6	482.4
-47.5°	0.0	2.8	9.1	21.6	56.2	106.3	166.8	239.0	316.5	384.6	456.8
-50°	0.0	2.7	8.8	21.2	53.8	100.3	159.0	227.2	297.9	363.7	430.5
-52.5°	0.0	2.6	8.5	20.9	50.8	93.6	150.7	214.2	279.4	341.8	403.8
-55°	0.0	2.5	8.1	20.3	47.3	88.0	141.4	200.2	260.3	319.0	378.6
-57.5°	0.0	2.4	7.6	19.5	43.2	82.1	131.2	187.8	240.2	296.1	352.5
-60°	0.0	2.3	7.1	18.5	38.7	75.3	120.3	172.9	219.6	272.3	325.7
-62.5°	0.0	2.1	6.7	17.2	36.1	67.7	109.8	156.2	199.3	247.5	297.9
-65°	0.0	2.0	6.2	15.6	33.0	59.4	98.2	138.9	177.6	221.4	269.1
-67.5°	0.0	1.8	5.7	13.9	29.5	52.0	85.6	121.3	154.7	193.8	237.1
-70°	0.0	1.6	5.2	12.0	25.6	45.6	72.2	103.2	133.1	164.9	202.8
-72.5°	0.0	1.4	4.6	10.6	21.5	38.7	61.3	84.4	110.8	138.7	168.2
-75°	0.0	1.3	4.0	9.2	17.1	31.3	50.3	68.8	87.8	111.9	137.2
-77.5°	0.0	1.1	3.4	7.8	14.1	23.6	38.8	54.0	69.8	86.3	105.5
-80°	0.0	0.9	2.7	6.3	11.4	18.0	26.8	39.0	51.9	65.4	79.5
-82.5°	0.0	0.6	2.0	4.8	8.7	13.6	19.7	26.1	33.7	44.1	55.0
-85°	0.0	0.4	1.4	3.2	5.8	9.2	13.2	17.5	22.2	27.5	33.3
-87.5°	0.0	0.2	0.7	1.6	2.9	4.6	6.6	8.8	11.2	13.8	16.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7
67.5°	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	1.5	1.0
65°	2.0	2.0	2.7	2.9	2.1	2.0	2.0	2.0	2.1	1.8	1.8
62.5°	2.9	3.6	4.4	6.9	5.2	2.0	3.9	4.5	3.1	2.5	2.7
60°	8.7	5.9	15.2	21.1	13.8	7.3	9.0	18.0	14.8	4.1	10.5
57.5°	17.5	21.5	38.3	40.2	30.9	20.9	45.9	50.8	42.2	26.5	38.1
55°	36.4	51.2	64.7	64.0	64.3	80.9	95.1	93.3	82.3	113.5	142.9
52.5°	68.9	84.2	93.2	101.6	124.7	140.1	144.5	153.2	185.5	224.1	231.1
50°	101.2	116.9	128.8	158.9	182.6	194.7	206.0	235.6	284.4	310.9	315.1
47.5°	133.8	151.4	182.5	215.5	238.4	256.8	276.3	343.5	397.9	420.5	428.7
45°	167.8	198.3	237.2	271.0	297.6	322.4	386.1	477.8	516.1	550.7	638.7
42.5°	203.2	249.2	292.9	328.3	358.3	410.2	498.8	587.6	642.5	716.1	822.4
40°	248.3	299.8	350.5	386.6	423.9	502.6	612.3	706.3	764.4	863.1	984.2
37.5°	294.1	354.3	409.0	447.1	499.5	606.0	734.9	847.5	919.5	999.9	1194.5
35°	339.3	409.9	466.0	517.0	581.9	728.7	887.6	1012.9	1101.8	1239.4	1485.8
32.5°	387.6	466.5	523.9	593.3	699.8	864.0	1059.2	1198.3	1345.8	1543.8	1938.5
30°	439.0	519.5	585.5	668.9	811.8	1003.3	1229.8	1404.6	1604.9	1926.5	2351.9
27.5°	490.2	572.2	653.6	759.7	916.6	1123.5	1360.1	1635.7	1894.5	2254.2	2719.2
25°	539.4	626.1	720.3	848.6	1018.3	1234.9	1493.1	1811.0	2148.8	2560.2	3106.2
22.5°	586.4	680.7	791.1	928.9	1104.0	1340.6	1648.5	2022.0	2427.9	2854.0	3481.4
20°	632.5	741.7	868.4	1022.6	1183.0	1438.0	1800.5	2252.8	2761.5	3345.2	3960.1
17.5°	678.1	802.0	948.2	1119.6	1313.9	1575.0	1956.4	2494.8	3113.9	3873.7	4630.7
15°	722.6	861.0	1025.4	1215.5	1446.0	1758.1	2191.3	2783.0	3531.0	4440.9	5337.6
12.5°	765.9	918.4	1099.5	1309.1	1574.2	1930.4	2412.6	3051.0	3908.2	4995.1	6096.7
10°	807.3	973.4	1169.8	1399.5	1696.9	2090.8	2608.2	3282.8	4192.7	5312.8	6538.0
7.5°	828.5	1010.6	1229.9	1485.4	1812.7	2238.0	2778.5	3478.7	4414.9	5568.3	6796.8
5°	843.6	1027.6	1252.4	1519.7	1876.3	2338.1	2908.7	3638.9	4578.8	5760.6	6972.1
2.5°	855.2	1039.8	1268.8	1539.1	1901.5	2371.5	2951.8	3694.8	4666.6	5860.9	7074.3
0°	863.2	1047.3	1278.9	1550.2	1914.4	2387.6	2971.6	3718.0	4703.9	5883.9	7111.4
-2.5°	871.7	1057.5	1289.6	1567.4	1932.6	2409.6	2993.5	3734.5	4731.9	5890.3	7131.5
-5°	876.5	1063.0	1293.8	1575.7	1938.5	2413.7	2991.9	3718.9	4709.7	5844.1	7087.9
-7.5°	877.9	1063.7	1291.5	1574.0	1931.0	2395.0	2960.3	3672.4	4632.9	5750.5	6980.8
-10°	875.8	1059.0	1283.0	1559.8	1909.3	2356.2	2903.8	3592.0	4506.7	5596.1	6800.0
-12.5°	869.3	1049.1	1267.7	1536.5	1874.3	2300.9	2824.1	3477.4	4331.4	5381.4	6545.0
-15°	859.1	1034.3	1245.6	1504.2	1825.9	2229.7	2721.7	3328.5	4105.8	5108.4	6227.5
-17.5°	844.9	1014.7	1216.7	1463.0	1764.2	2143.3	2597.9	3154.3	3862.4	4803.8	5874.6
-20°	826.9	990.4	1181.0	1413.1	1693.1	2052.2	2483.1	3000.0	3634.7	4454.9	5458.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	805.0	961.3	1143.2	1365.3	1630.0	1957.7	2354.6	2825.1	3379.2	4051.8	5003.5
-25°	782.5	933.5	1106.5	1312.0	1557.9	1850.6	2207.7	2636.2	3138.1	3753.7	4540.6
-27.5°	760.2	901.5	1064.0	1250.5	1477.2	1740.1	2069.5	2460.3	2907.5	3430.9	4071.7
-30°	735.1	865.8	1017.2	1186.1	1399.7	1643.9	1928.6	2263.4	2661.0	3134.0	3691.1
-32.5°	707.8	827.4	971.9	1130.4	1316.8	1539.0	1785.3	2088.1	2434.1	2824.3	3305.8
-35°	680.5	794.6	925.4	1070.4	1227.7	1435.8	1662.1	1913.4	2207.6	2553.2	2938.3
-37.5°	654.3	758.9	875.6	1010.7	1158.4	1331.1	1531.1	1757.9	2011.2	2286.1	2618.8
-40°	625.2	720.4	830.7	953.2	1083.7	1233.5	1413.7	1606.3	1824.4	2066.3	2323.1
-42.5°	593.5	684.9	785.6	891.1	1010.9	1144.7	1294.2	1470.3	1651.5	1854.2	2078.4
-45°	562.4	646.4	738.5	834.9	935.6	1053.8	1189.6	1336.1	1496.8	1662.2	1850.5
-47.5°	529.7	606.4	692.2	776.1	865.4	966.2	1081.4	1214.3	1348.3	1495.6	1641.7
-50°	496.9	568.9	641.0	719.3	799.3	883.2	980.6	1095.3	1217.2	1339.4	1468.0
-52.5°	467.6	529.9	595.0	662.2	735.1	809.7	890.9	985.4	1092.0	1199.7	1310.5
-55°	437.6	495.0	548.8	609.1	672.1	739.3	811.6	891.2	971.6	1069.7	1165.0
-57.5°	408.3	459.2	506.0	557.4	613.4	670.6	735.7	803.3	876.4	950.5	1028.5
-60°	378.9	422.2	464.7	509.1	556.1	606.9	659.3	718.7	781.4	845.7	913.4
-62.5°	348.6	383.7	421.1	461.7	503.1	542.2	586.2	634.7	686.4	741.7	799.0
-65°	314.6	343.7	374.9	410.3	449.2	480.7	514.4	550.9	593.6	639.1	684.1
-67.5°	278.3	304.1	329.6	355.9	387.4	415.6	443.3	472.4	504.3	541.5	577.5
-70°	237.9	263.6	286.1	307.9	327.9	348.1	371.6	394.5	420.2	453.6	486.4
-72.5°	196.8	220.9	242.2	260.6	274.8	286.8	301.3	317.9	342.6	373.6	402.5
-75°	159.2	178.6	198.5	216.3	225.4	229.0	232.0	240.7	265.7	297.5	325.6
-77.5°	124.0	140.9	157.1	172.6	179.0	181.5	182.7	182.7	201.1	228.2	256.6
-80°	91.3	103.1	116.8	130.1	134.0	135.2	135.3	134.5	149.5	169.0	189.9
-82.5°	63.5	71.9	80.7	89.7	90.9	90.3	89.0	87.7	99.8	113.9	128.3
-85°	37.0	40.5	45.9	51.4	52.0	51.8	50.8	49.2	56.0	63.6	71.7
-87.5°	18.5	20.3	22.1	23.9	23.2	22.3	21.1	19.6	21.5	23.5	25.5
-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: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-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°	1.6	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.0	1.6	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.0	1.6	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.0	1.7	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.0	1.7	1.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.2	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.9	1.0	1.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.1	2.0	1.5	1.0	0.5	0.4	0.5	0.4	0.2	0.0	0.0
62.5°	2.6	2.5	1.8	1.7	1.8	2.0	1.6	1.4	1.3	1.4	1.6
60°	11.2	6.4	6.5	8.3	7.1	3.3	6.5	8.2	7.6	5.8	5.1
57.5°	56.8	47.6	33.3	55.7	57.4	40.0	43.4	56.6	54.9	42.4	42.3
55°	143.2	145.3	155.9	170.0	180.5	185.3	189.5	210.8	233.6	255.9	267.0
52.5°	236.5	264.2	298.6	321.4	337.3	369.8	415.5	436.4	456.8	480.0	496.7
50°	348.3	396.4	430.9	435.9	490.2	525.4	533.7	573.0	615.8	642.5	661.7
47.5°	518.2	579.0	609.1	628.3	694.3	766.7	766.8	789.4	896.6	952.8	979.8
45°	746.3	797.1	850.3	988.6	1115.8	1156.1	1242.5	1359.5	1435.5	1540.1	1655.2
42.5°	940.7	1035.9	1169.2	1321.5	1449.0	1555.1	1683.4	1824.0	1992.9	2151.8	2288.8
40°	1133.0	1250.8	1416.0	1581.6	1742.1	1889.2	2096.0	2276.8	2476.1	2694.6	2876.7
37.5°	1383.8	1534.7	1705.4	1914.3	2164.2	2327.4	2611.9	2871.7	3096.3	3360.1	3522.6
35°	1769.3	1965.9	2117.0	2539.3	2843.2	3034.1	3370.9	3798.0	3961.9	4294.2	4451.9
32.5°	2253.8	2515.0	2912.8	3472.0	3877.9	4229.3	4732.7	5166.1	5535.4	5869.2	6216.4
30°	2798.2	3201.4	3787.6	4530.7	4942.9	5435.2	6116.0	6629.8	7209.1	7844.9	8067.6
27.5°	3292.2	3896.2	4576.8	5178.7	5770.8	6383.9	7052.8	7712.9	8339.9	8869.0	9224.0
25°	3750.1	4481.5	5143.0	5786.2	6427.7	7118.2	7874.8	8623.5	9313.4	9857.8	10271.7
22.5°	4222.4	4995.1	5702.8	6355.4	7101.7	7884.1	8688.7	9547.4	10332.6	10897.4	11348.3
20°	4666.5	5525.9	6333.1	7076.1	7781.6	8684.9	9611.3	10522.2	11377.2	12050.0	12570.0
17.5°	5371.3	6117.4	7103.9	8069.2	8863.9	9693.7	10931.7	11871.8	12820.6	13626.4	14177.6
15°	6236.9	7057.3	8076.0	9401.7	10490.6	11441.4	12720.3	14249.6	15368.7	16397.3	17102.9
12.5°	7103.3	8031.2	9133.0	10624.9	12175.3	13295.2	14846.7	16784.6	18088.2	19680.7	20465.8
10°	7767.3	8932.5	10067.2	11428.7	12917.6	14512.3	16184.9	17997.9	19739.7	21107.1	22329.6
7.5°	8034.6	9275.7	10589.3	11978.4	13467.2	15113.1	16895.8	18782.3	20574.8	22102.2	23445.6
5°	8234.4	9506.1	10828.3	12248.8	13840.3	15559.0	17368.3	19348.9	21179.5	22816.6	24190.9
2.5°	8361.4	9645.1	10961.6	12405.7	14079.6	15849.3	17716.7	19749.8	21608.0	23293.2	24663.1
0°	8410.1	9675.2	11023.4	12510.2	14167.3	15941.2	17889.3	19946.2	21819.1	23448.5	24858.1
-2.5°	8416.7	9647.2	11027.4	12507.0	14092.5	15883.0	17854.6	19894.5	21729.3	23352.1	24774.2
-5°	8350.6	9580.6	10962.1	12419.3	14007.0	15784.0	17671.0	19642.1	21392.1	22971.4	24340.7
-7.5°	8216.7	9443.3	10794.2	12218.0	13762.9	15486.6	17299.0	19131.6	20848.3	22363.0	23669.7
-10°	8018.0	9218.7	10522.9	11910.2	13372.0	15011.5	16739.6	18490.6	20100.4	21501.2	22709.6
-12.5°	7748.9	8921.9	10167.4	11491.7	12852.5	14415.6	16047.3	17691.5	19158.9	20437.7	21521.9
-15°	7399.4	8545.0	9751.0	11003.4	12323.0	13736.6	15201.0	16709.1	18062.4	19196.5	20187.0
-17.5°	6987.7	8098.8	9244.1	10405.1	11657.1	12983.4	14342.8	15696.6	16850.8	17858.3	18764.0
-20°	6528.6	7599.2	8687.1	9769.5	10905.4	12131.9	13387.4	14576.7	15585.3	16500.8	17329.5



REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6014.0	7038.7	8081.4	9094.4	10118.7	11229.3	12350.5	13426.0	14369.5	15152.6	15872.8
-25°	5463.2	6410.0	7394.6	8344.3	9287.1	10282.3	11300.8	12290.3	13120.6	13800.5	14395.7
-27.5°	4908.0	5773.2	6640.7	7534.8	8406.3	9324.7	10246.7	11101.4	11846.8	12472.8	12972.9
-30°	4324.5	5098.0	5890.3	6699.2	7531.3	8371.7	9204.9	9953.2	10603.9	11154.5	11586.8
-32.5°	3839.6	4427.2	5126.6	5861.0	6641.1	7406.8	8131.5	8813.6	9426.8	9907.6	10274.1
-35°	3374.8	3872.4	4396.3	5046.3	5716.4	6421.1	7087.7	7696.5	8243.1	8663.2	9008.0
-37.5°	2975.3	3368.8	3811.8	4275.9	4837.7	5420.3	6021.9	6594.4	7081.8	7448.3	7756.3
-40°	2629.4	2940.1	3294.1	3662.0	4075.4	4493.9	5017.8	5500.9	5898.8	6241.3	6520.3
-42.5°	2316.8	2579.0	2840.3	3142.1	3454.0	3790.4	4158.1	4515.5	4820.8	5107.5	5344.5
-45°	2046.9	2256.3	2464.7	2697.7	2926.8	3200.3	3463.0	3697.3	3944.7	4159.4	4328.3
-47.5°	1810.9	1974.2	2152.8	2327.2	2511.1	2717.1	2912.6	3090.9	3272.1	3429.2	3555.1
-50°	1601.2	1736.5	1882.4	2019.4	2168.1	2318.8	2463.4	2605.2	2742.9	2862.3	2955.2
-52.5°	1417.6	1535.8	1649.4	1758.6	1876.9	1988.4	2093.1	2210.1	2317.8	2411.9	2475.5
-55°	1261.2	1357.8	1450.9	1542.1	1631.5	1716.0	1799.4	1890.4	1973.5	2048.3	2095.6
-57.5°	1114.5	1196.7	1275.5	1349.9	1420.9	1488.1	1558.3	1628.2	1692.3	1748.7	1785.3
-60°	980.9	1048.1	1116.3	1177.0	1234.2	1287.9	1347.1	1403.0	1454.7	1498.1	1523.4
-62.5°	858.5	918.8	969.2	1017.2	1065.9	1114.2	1156.3	1197.5	1237.4	1271.0	1293.1
-65°	730.6	781.7	824.5	863.1	898.0	935.5	971.3	1003.7	1032.5	1054.4	1068.4
-67.5°	616.2	653.7	688.1	718.7	749.9	779.9	807.5	832.1	853.7	868.9	879.0
-70°	516.8	545.5	573.5	601.4	629.1	652.6	672.6	690.9	707.6	714.6	717.7
-72.5°	429.5	454.9	479.6	504.2	527.2	545.5	560.2	573.7	585.8	575.4	557.1
-75°	350.2	372.6	395.7	417.4	437.7	451.7	462.6	472.7	481.8	459.2	428.1
-77.5°	285.4	305.1	322.1	339.1	355.8	364.8	371.7	378.5	385.0	359.7	327.8
-80°	211.7	227.6	242.1	256.3	270.3	275.6	278.7	280.8	282.0	260.3	235.3
-82.5°	143.0	151.3	159.3	167.5	176.1	180.5	183.9	186.5	188.3	172.9	155.6
-85°	80.2	82.7	84.6	86.3	87.7	90.4	93.1	95.5	97.8	90.5	82.4
-87.5°	27.6	27.6	27.5	27.2	26.9	27.0	27.0	26.9	26.8	25.6	24.4
-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: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
62.5°	1.8	1.9	2.0	2.0	2.0	1.9	1.8	1.6	1.4	1.3	1.4
60°	3.9	2.4	2.0	2.0	2.0	2.4	3.9	5.1	5.8	7.6	8.2
57.5°	39.4	34.4	30.8	27.7	30.8	34.4	39.4	42.3	42.4	54.9	56.6
55°	262.2	244.1	222.0	196.0	222.0	244.1	262.2	267.0	255.9	233.6	210.8
52.5°	514.3	531.5	541.4	540.5	541.4	531.5	514.3	496.7	480.0	456.8	436.4
50°	677.0	686.3	686.8	679.1	686.8	686.3	677.0	661.7	642.5	615.8	573.0
47.5°	991.9	978.9	956.5	932.5	956.5	978.9	991.9	979.8	952.8	896.6	789.4
45°	1730.8	1772.5	1769.8	1716.5	1769.8	1772.5	1730.8	1655.2	1540.1	1435.5	1359.5
42.5°	2365.4	2427.8	2472.1	2494.5	2472.1	2427.8	2365.4	2288.8	2151.8	1992.9	1824.0
40°	2979.3	3039.7	3066.2	3064.7	3066.2	3039.7	2979.3	2876.7	2694.6	2476.1	2276.8
37.5°	3628.1	3706.1	3744.0	3725.9	3744.0	3706.1	3628.1	3522.6	3360.1	3096.3	2871.7
35°	4520.2	4593.2	4594.6	4557.4	4594.6	4593.2	4520.2	4451.9	4294.2	3961.9	3798.0
32.5°	6492.0	6516.4	6328.6	6262.0	6328.6	6516.4	6492.0	6216.4	5869.2	5535.4	5166.1
30°	8289.3	8462.5	8623.7	8705.1	8623.7	8462.5	8289.3	8067.6	7844.9	7209.1	6629.8
27.5°	9491.7	9700.1	9829.3	9837.5	9829.3	9700.1	9491.7	9224.0	8869.0	8339.9	7712.9
25°	10585.3	10818.4	10959.3	11007.6	10959.3	10818.4	10585.3	10271.7	9857.8	9313.4	8623.5
22.5°	11731.1	12005.8	12187.9	12225.1	12187.9	12005.8	11731.1	11348.3	10897.4	10332.6	9547.4
20°	13060.4	13380.2	13554.8	13547.6	13554.8	13380.2	13060.4	12570.0	12050.0	11377.2	10522.2
17.5°	14810.6	15153.5	15304.2	15238.3	15304.2	15153.5	14810.6	14177.6	13626.4	12820.6	11871.8
15°	17827.3	18544.7	18541.9	18255.5	18541.9	18544.7	17827.3	17102.9	16397.3	15368.7	14249.6
12.5°	21548.5	22083.1	22631.7	22749.6	22631.7	22083.1	21548.5	20465.8	19680.7	18088.2	16784.6
10°	23359.1	24069.2	24537.8	24525.5	24537.8	24069.2	23359.1	22329.6	21107.1	19739.7	17997.9
7.5°	24492.0	25276.4	25844.3	25832.1	25844.3	25276.4	24492.0	23445.6	22102.2	20574.8	18782.3
5°	25366.2	26236.2	26739.2	26776.5	26739.2	26236.2	25366.2	24190.9	22816.6	21179.5	19348.9
2.5°	25820.3	26728.4	27333.2	27253.6	27333.2	26728.4	25820.3	24663.1	23293.2	21608.0	19749.8
0°	26010.3	26909.1	27473.3	27716.9	27473.3	26909.1	26010.3	24858.1	23448.5	21819.1	19946.2
-2.5°	25927.3	26801.9	27425.5	27449.6	27425.5	26801.9	25927.3	24774.2	23352.1	21729.3	19894.5
-5°	25483.1	26406.1	26823.8	27045.7	26823.8	26406.1	25483.1	24340.7	22971.4	21392.1	19642.1
-7.5°	24766.7	25458.3	25989.0	26234.0	25989.0	25458.3	24766.7	23669.7	22363.0	20848.3	19131.6
-10°	23651.7	24367.7	24816.2	25018.4	24816.2	24367.7	23651.7	22709.6	21501.2	20100.4	18490.6
-12.5°	22416.5	23067.3	23493.6	23664.3	23493.6	23067.3	22416.5	21521.9	20437.7	19158.9	17691.5
-15°	21038.5	21629.3	22021.7	22185.4	22021.7	21629.3	21038.5	20187.0	19196.5	18062.4	16709.1
-17.5°	19521.4	20039.2	20430.2	20548.1	20430.2	20039.2	19521.4	18764.0	17858.3	16850.8	15696.6
-20°	17961.5	18429.5	18751.6	18821.7	18751.6	18429.5	17961.5	17329.5	16500.8	15585.3	14576.7



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 CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16389.8	16775.3	17036.9	17125.1	17036.9	16775.3	16389.8	15872.8	15152.6	14369.5	13426.0
-25°	14853.8	15186.6	15397.1	15475.9	15397.1	15186.6	14853.8	14395.7	13800.5	13120.6	12290.3
-27.5°	13376.5	13686.7	13880.0	13905.9	13880.0	13686.7	13376.5	12972.9	12472.8	11846.8	11101.4
-30°	11922.9	12179.1	12328.2	12391.4	12328.2	12179.1	11922.9	11586.8	11154.5	10603.9	9953.2
-32.5°	10564.5	10788.3	10922.3	10958.1	10922.3	10788.3	10564.5	10274.1	9907.6	9426.8	8813.6
-35°	9282.1	9488.8	9607.6	9598.0	9607.6	9488.8	9282.1	9008.0	8663.2	8243.1	7696.5
-37.5°	8010.9	8201.6	8309.2	8299.2	8309.2	8201.6	8010.9	7756.3	7448.3	7081.8	6594.4
-40°	6749.7	6914.3	7009.1	7032.2	7009.1	6914.3	6749.7	6520.3	6241.3	5898.8	5500.9
-42.5°	5541.5	5693.4	5769.3	5739.4	5769.3	5693.4	5541.5	5344.5	5107.5	4820.8	4515.5
-45°	4446.5	4525.0	4576.7	4608.9	4576.7	4525.0	4446.5	4328.3	4159.4	3944.7	3697.3
-47.5°	3647.3	3712.4	3747.6	3753.7	3747.6	3712.4	3647.3	3555.1	3429.2	3272.1	3090.9
-50°	3027.5	3082.9	3107.3	3100.3	3107.3	3082.9	3027.5	2955.2	2862.3	2742.9	2605.2
-52.5°	2521.3	2553.3	2575.0	2585.6	2575.0	2553.3	2521.3	2475.5	2411.9	2317.8	2210.1
-55°	2131.2	2156.2	2170.9	2175.8	2170.9	2156.2	2131.2	2095.6	2048.3	1973.5	1890.4
-57.5°	1815.8	1839.6	1848.3	1845.2	1848.3	1839.6	1815.8	1785.3	1748.7	1692.3	1628.2
-60°	1542.9	1556.5	1566.7	1571.9	1566.7	1556.5	1542.9	1523.4	1498.1	1454.7	1403.0
-62.5°	1310.7	1323.5	1334.1	1340.3	1334.1	1323.5	1310.7	1293.1	1271.0	1237.4	1197.5
-65°	1078.2	1083.8	1085.4	1082.9	1085.4	1083.8	1078.2	1068.4	1054.4	1032.5	1003.7
-67.5°	886.4	891.1	894.4	894.9	894.4	891.1	886.4	879.0	868.9	853.7	832.1
-70°	720.7	722.6	720.3	714.7	720.3	722.6	720.7	717.7	714.6	707.6	690.9
-72.5°	538.3	518.6	498.9	477.1	498.9	518.6	538.3	557.1	575.4	585.8	573.7
-75°	395.8	362.4	350.2	338.5	350.2	362.4	395.8	428.1	459.2	481.8	472.7
-77.5°	294.4	259.6	250.3	241.5	250.3	259.6	294.4	327.8	359.7	385.0	378.5
-80°	209.1	182.0	176.1	170.3	176.1	182.0	209.1	235.3	260.3	282.0	280.8
-82.5°	137.5	118.5	114.7	110.9	114.7	118.5	137.5	155.6	172.9	188.3	186.5
-85°	73.9	65.0	63.3	61.4	63.3	65.0	73.9	82.4	90.5	97.8	95.5
-87.5°	23.1	21.7	21.8	21.8	21.8	21.7	23.1	24.4	25.6	26.8	26.9
-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):

	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°	0.0	0.0	0.0	0.4	0.9	1.3	1.6	1.6	1.5	1.5	1.4
85°	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.0	0.2	0.7	1.2	1.7	2.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.0	0.1	0.6	1.2	1.7	2.0	2.0	2.0	2.0	2.0
70°	0.0	0.0	0.1	0.1	0.1	0.5	1.2	1.7	2.0	2.0	2.0
67.5°	0.0	0.0	0.4	0.8	1.0	1.0	0.9	1.0	1.5	2.0	2.0
65°	0.5	0.4	0.5	1.0	1.5	2.0	2.1	1.8	1.8	2.1	2.0
62.5°	1.6	2.0	1.8	1.7	1.8	2.5	2.6	2.7	2.5	3.1	4.5
60°	6.5	3.3	7.1	8.3	6.5	6.4	11.2	10.5	4.1	14.8	18.0
57.5°	43.4	40.0	57.4	55.7	33.3	47.6	56.8	38.1	26.5	42.2	50.8
55°	189.5	185.3	180.5	170.0	155.9	145.3	143.2	142.9	113.5	82.3	93.3
52.5°	415.5	369.8	337.3	321.4	298.6	264.2	236.5	231.1	224.1	185.5	153.2
50°	533.7	525.4	490.2	435.9	430.9	396.4	348.3	315.1	310.9	284.4	235.6
47.5°	766.8	766.7	694.3	628.3	609.1	579.0	518.2	428.7	420.5	397.9	343.5
45°	1242.5	1156.1	1115.8	988.6	850.3	797.1	746.3	638.7	550.7	516.1	477.8
42.5°	1683.4	1555.1	1449.0	1321.5	1169.2	1035.9	940.7	822.4	716.1	642.5	587.6
40°	2096.0	1889.2	1742.1	1581.6	1416.0	1250.8	1133.0	984.2	863.1	764.4	706.3
37.5°	2611.9	2327.4	2164.2	1914.3	1705.4	1534.7	1383.8	1194.5	999.9	919.5	847.5
35°	3370.9	3034.1	2843.2	2539.3	2117.0	1965.9	1769.3	1485.8	1239.4	1101.8	1012.9
32.5°	4732.7	4229.3	3877.9	3472.0	2912.8	2515.0	2253.8	1938.5	1543.8	1345.8	1198.3
30°	6116.0	5435.2	4942.9	4530.7	3787.6	3201.4	2798.2	2351.9	1926.5	1604.9	1404.6
27.5°	7052.8	6383.9	5770.8	5178.7	4576.8	3896.2	3292.2	2719.2	2254.2	1894.5	1635.7
25°	7874.8	7118.2	6427.7	5786.2	5143.0	4481.5	3750.1	3106.2	2560.2	2148.8	1811.0
22.5°	8688.7	7884.1	7101.7	6355.4	5702.8	4995.1	4222.4	3481.4	2854.0	2427.9	2022.0
20°	9611.3	8684.9	7781.6	7076.1	6333.1	5525.9	4666.5	3960.1	3345.2	2761.5	2252.8
17.5°	10931.7	9693.7	8863.9	8069.2	7103.9	6117.4	5371.3	4630.7	3873.7	3113.9	2494.8
15°	12720.3	11441.4	10490.6	9401.7	8076.0	7057.3	6236.9	5337.6	4440.9	3531.0	2783.0
12.5°	14846.7	13295.2	12175.3	10624.9	9133.0	8031.2	7103.3	6096.7	4995.1	3908.2	3051.0
10°	16184.9	14512.3	12917.6	11428.7	10067.2	8932.5	7767.3	6538.0	5312.8	4192.7	3282.8
7.5°	16895.8	15113.1	13467.2	11978.4	10589.3	9275.7	8034.6	6796.8	5568.3	4414.9	3478.7
5°	17368.3	15559.0	13840.3	12248.8	10828.3	9506.1	8234.4	6972.1	5760.6	4578.8	3638.9
2.5°	17716.7	15849.3	14079.6	12405.7	10961.6	9645.1	8361.4	7074.3	5860.9	4666.6	3694.8
0°	17889.3	15941.2	14167.3	12510.2	11023.4	9675.2	8410.1	7111.4	5883.9	4703.9	3718.0
-2.5°	17854.6	15883.0	14092.5	12507.0	11027.4	9647.2	8416.7	7131.5	5890.3	4731.9	3734.5
-5°	17671.0	15784.0	14007.0	12419.3	10962.1	9580.6	8350.6	7087.9	5844.1	4709.7	3718.9
-7.5°	17299.0	15486.6	13762.9	12218.0	10794.2	9443.3	8216.7	6980.8	5750.5	4632.9	3672.4
-10°	16739.6	15011.5	13372.0	11910.2	10522.9	9218.7	8018.0	6800.0	5596.1	4506.7	3592.0
-12.5°	16047.3	14415.6	12852.5	11491.7	10167.4	8921.9	7748.9	6545.0	5381.4	4331.4	3477.4
-15°	15201.0	13736.6	12323.0	11003.4	9751.0	8545.0	7399.4	6227.5	5108.4	4105.8	3328.5
-17.5°	14342.8	12983.4	11657.1	10405.1	9244.1	8098.8	6987.7	5874.6	4803.8	3862.4	3154.3
-20°	13387.4	12131.9	10905.4	9769.5	8687.1	7599.2	6528.6	5458.2	4454.9	3634.7	3000.0



REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12350.5	11229.3	10118.7	9094.4	8081.4	7038.7	6014.0	5003.5	4051.8	3379.2	2825.1
-25°	11300.8	10282.3	9287.1	8344.3	7394.6	6410.0	5463.2	4540.6	3753.7	3138.1	2636.2
-27.5°	10246.7	9324.7	8406.3	7534.8	6640.7	5773.2	4908.0	4071.7	3430.9	2907.5	2460.3
-30°	9204.9	8371.7	7531.3	6699.2	5890.3	5098.0	4324.5	3691.1	3134.0	2661.0	2263.4
-32.5°	8131.5	7406.8	6641.1	5861.0	5126.6	4427.2	3839.6	3305.8	2824.3	2434.1	2088.1
-35°	7087.7	6421.1	5716.4	5046.3	4396.3	3872.4	3374.8	2938.3	2553.2	2207.6	1913.4
-37.5°	6021.9	5420.3	4837.7	4275.9	3811.8	3368.8	2975.3	2618.8	2286.1	2011.2	1757.9
-40°	5017.8	4493.9	4075.4	3662.0	3294.1	2940.1	2629.4	2323.1	2066.3	1824.4	1606.3
-42.5°	4158.1	3790.4	3454.0	3142.1	2840.3	2579.0	2316.8	2078.4	1854.2	1651.5	1470.3
-45°	3463.0	3200.3	2926.8	2697.7	2464.7	2256.3	2046.9	1850.5	1662.2	1496.8	1336.1
-47.5°	2912.6	2717.1	2511.1	2327.2	2152.8	1974.2	1810.9	1641.7	1495.6	1348.3	1214.3
-50°	2463.4	2318.8	2168.1	2019.4	1882.4	1736.5	1601.2	1468.0	1339.4	1217.2	1095.3
-52.5°	2093.1	1988.4	1876.9	1758.6	1649.4	1535.8	1417.6	1310.5	1199.7	1092.0	985.4
-55°	1799.4	1716.0	1631.5	1542.1	1450.9	1357.8	1261.2	1165.0	1069.7	971.6	891.2
-57.5°	1558.3	1488.1	1420.9	1349.9	1275.5	1196.7	1114.5	1028.5	950.5	876.4	803.3
-60°	1347.1	1287.9	1234.2	1177.0	1116.3	1048.1	980.9	913.4	845.7	781.4	718.7
-62.5°	1156.3	1114.2	1065.9	1017.2	969.2	918.8	858.5	799.0	741.7	686.4	634.7
-65°	971.3	935.5	898.0	863.1	824.5	781.7	730.6	684.1	639.1	593.6	550.9
-67.5°	807.5	779.9	749.9	718.7	688.1	653.7	616.2	577.5	541.5	504.3	472.4
-70°	672.6	652.6	629.1	601.4	573.5	545.5	516.8	486.4	453.6	420.2	394.5
-72.5°	560.2	545.5	527.2	504.2	479.6	454.9	429.5	402.5	373.6	342.6	317.9
-75°	462.6	451.7	437.7	417.4	395.7	372.6	350.2	325.6	297.5	265.7	240.7
-77.5°	371.7	364.8	355.8	339.1	322.1	305.1	285.4	256.6	228.2	201.1	182.7
-80°	278.7	275.6	270.3	256.3	242.1	227.6	211.7	189.9	169.0	149.5	134.5
-82.5°	183.9	180.5	176.1	167.5	159.3	151.3	143.0	128.3	113.9	99.8	87.7
-85°	93.1	90.4	87.7	86.3	84.6	82.7	80.2	71.7	63.6	56.0	49.2
-87.5°	27.0	27.0	26.9	27.2	27.5	27.6	27.6	25.5	23.5	21.5	19.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.5	1.4	1.2
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.5	2.6	2.0	2.0
65°	2.0	2.0	2.1	2.9	2.7	2.0	2.0	3.8	3.2	2.9	2.0
62.5°	3.9	2.0	5.2	6.9	4.4	3.6	2.9	8.3	5.3	3.8	2.7
60°	9.0	7.3	13.8	21.1	15.2	5.9	8.7	14.2	13.1	4.7	3.7
57.5°	45.9	20.9	30.9	40.2	38.3	21.5	17.5	24.3	22.1	12.9	5.1
55°	95.1	80.9	64.3	64.0	64.7	51.2	36.4	37.6	33.3	23.6	7.5
52.5°	144.5	140.1	124.7	101.6	93.2	84.2	68.9	53.3	49.4	35.3	18.6
50°	206.0	194.7	182.6	158.9	128.8	116.9	101.2	81.3	67.3	49.4	30.8
47.5°	276.3	256.8	238.4	215.5	182.5	151.4	133.8	110.4	87.0	67.8	43.1
45°	386.1	322.4	297.6	271.0	237.2	198.3	167.8	139.0	112.6	86.3	55.5
42.5°	498.8	410.2	358.3	328.3	292.9	249.2	203.2	170.9	138.0	104.8	70.1
40°	612.3	502.6	423.9	386.6	350.5	299.8	248.3	204.1	162.8	124.0	86.1
37.5°	734.9	606.0	499.5	447.1	409.0	354.3	294.1	238.0	188.2	144.7	101.9
35°	887.6	728.7	581.9	517.0	466.0	409.9	339.3	275.0	218.7	165.6	117.5
32.5°	1059.2	864.0	699.8	593.3	523.9	466.5	387.6	316.5	249.9	186.5	132.8
30°	1229.8	1003.3	811.8	668.9	585.5	519.5	439.0	358.4	281.8	207.4	148.3
27.5°	1360.1	1123.5	916.6	759.7	653.6	572.2	490.2	400.4	314.2	230.3	165.4
25°	1493.1	1234.9	1018.3	848.6	720.3	626.1	539.4	442.4	348.7	256.7	182.0
22.5°	1648.5	1340.6	1104.0	928.9	791.1	680.7	586.4	485.0	383.6	282.9	198.2
20°	1800.5	1438.0	1183.0	1022.6	868.4	741.7	632.5	525.6	417.8	308.6	213.9
17.5°	1956.4	1575.0	1313.9	1119.6	948.2	802.0	678.1	564.1	451.0	333.7	228.9
15°	2191.3	1758.1	1446.0	1215.5	1025.4	861.0	722.6	600.3	482.9	357.8	242.3
12.5°	2412.6	1930.4	1574.2	1309.1	1099.5	918.4	765.9	634.3	513.5	377.9	253.5
10°	2608.2	2090.8	1696.9	1399.5	1169.8	973.4	807.3	661.0	531.5	393.9	263.4
7.5°	2778.5	2238.0	1812.7	1485.4	1229.9	1010.6	828.5	675.0	545.2	408.0	272.2
5°	2908.7	2338.1	1876.3	1519.7	1252.4	1027.6	843.6	686.2	556.2	420.0	279.7
2.5°	2951.8	2371.5	1901.5	1539.1	1268.8	1039.8	855.2	694.9	564.5	429.9	286.0
0°	2971.6	2387.6	1914.4	1550.2	1278.9	1047.3	863.2	700.8	570.2	437.5	291.0
-2.5°	2993.5	2409.6	1932.6	1567.4	1289.6	1057.5	871.7	710.1	578.4	446.1	299.4
-5°	2991.9	2413.7	1938.5	1575.7	1293.8	1063.0	876.5	716.7	584.3	452.3	306.4
-7.5°	2960.3	2395.0	1931.0	1574.0	1291.5	1063.7	877.9	720.6	588.0	456.3	311.9
-10°	2903.8	2356.2	1909.3	1559.8	1283.0	1059.0	875.8	721.8	589.5	458.0	315.8
-12.5°	2824.1	2300.9	1874.3	1536.5	1267.7	1049.1	869.3	718.5	588.5	457.5	318.0
-15°	2721.7	2229.7	1825.9	1504.2	1245.6	1034.3	859.1	711.5	583.4	454.1	318.5
-17.5°	2597.9	2143.3	1764.2	1463.0	1216.7	1014.7	844.9	701.8	576.5	448.3	317.9
-20°	2483.1	2052.2	1693.1	1413.1	1181.0	990.4	826.9	689.5	567.8	440.9	316.4

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2354.6	1957.7	1630.0	1365.3	1143.2	961.3	805.0	674.5	557.4	432.2	313.5
-25°	2207.7	1850.6	1557.9	1312.0	1106.5	933.5	782.5	657.0	545.6	422.3	309.4
-27.5°	2069.5	1740.1	1477.2	1250.5	1064.0	901.5	760.2	640.7	531.9	411.3	303.9
-30°	1928.6	1643.9	1399.7	1186.1	1017.2	865.8	735.1	623.3	516.4	401.6	297.2
-32.5°	1785.3	1539.0	1316.8	1130.4	971.9	827.4	707.8	604.6	500.3	392.0	291.6
-35°	1662.1	1435.8	1227.7	1070.4	925.4	794.6	680.5	584.8	483.6	381.2	285.5
-37.5°	1531.1	1331.1	1158.4	1010.7	875.6	758.9	654.3	561.4	466.5	369.1	278.2
-40°	1413.7	1233.5	1083.7	953.2	830.7	720.4	625.2	536.5	450.5	355.7	269.6
-42.5°	1294.2	1144.7	1010.9	891.1	785.6	684.9	593.5	510.0	429.8	343.4	259.8
-45°	1189.6	1053.8	935.6	834.9	738.5	646.4	562.4	482.4	407.6	330.7	249.5
-47.5°	1081.4	966.2	865.4	776.1	692.2	606.4	529.7	456.8	384.6	316.5	239.0
-50°	980.6	883.2	799.3	719.3	641.0	568.9	496.9	430.5	363.7	297.9	227.2
-52.5°	890.9	809.7	735.1	662.2	595.0	529.9	467.6	403.8	341.8	279.4	214.2
-55°	811.6	739.3	672.1	609.1	548.8	495.0	437.6	378.6	319.0	260.3	200.2
-57.5°	735.7	670.6	613.4	557.4	506.0	459.2	408.3	352.5	296.1	240.2	187.8
-60°	659.3	606.9	556.1	509.1	464.7	422.2	378.9	325.7	272.3	219.6	172.9
-62.5°	586.2	542.2	503.1	461.7	421.1	383.7	348.6	297.9	247.5	199.3	156.2
-65°	514.4	480.7	449.2	410.3	374.9	343.7	314.6	269.1	221.4	177.6	138.9
-67.5°	443.3	415.6	387.4	355.9	329.6	304.1	278.3	237.1	193.8	154.7	121.3
-70°	371.6	348.1	327.9	307.9	286.1	263.6	237.9	202.8	164.9	133.1	103.2
-72.5°	301.3	286.8	274.8	260.6	242.2	220.9	196.8	168.2	138.7	110.8	84.4
-75°	232.0	229.0	225.4	216.3	198.5	178.6	159.2	137.2	111.9	87.8	68.8
-77.5°	182.7	181.5	179.0	172.6	157.1	140.9	124.0	105.5	86.3	69.8	54.0
-80°	135.3	135.2	134.0	130.1	116.8	103.1	91.3	79.5	65.4	51.9	39.0
-82.5°	89.0	90.3	90.9	89.7	80.7	71.9	63.5	55.0	44.1	33.7	26.1
-85°	50.8	51.8	52.0	51.4	45.9	40.5	37.0	33.3	27.5	22.2	17.5
-87.5°	21.1	22.3	23.2	23.9	22.1	20.3	18.5	16.7	13.8	11.2	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
85°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
82.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
80°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
77.5°	2.0	2.0	1.7	1.3	0.9	0.4	0.0
75°	2.0	2.0	2.0	1.5	1.0	0.5	0.0
72.5°	2.0	2.0	2.0	1.8	1.2	0.6	0.0
70°	2.0	2.0	2.0	2.0	1.4	0.7	0.0
67.5°	2.2	2.0	2.0	2.0	1.5	0.8	0.0
65°	2.4	2.2	2.0	2.0	1.7	0.8	0.0
62.5°	2.7	2.7	2.0	2.0	1.8	0.9	0.0
60°	3.1	3.2	2.0	2.0	2.0	1.0	0.0
57.5°	5.4	3.7	2.5	2.0	2.0	1.1	0.0
55°	8.2	4.4	3.1	2.0	2.1	1.1	0.0
52.5°	11.4	5.5	3.8	2.0	2.1	1.2	0.0
50°	15.1	8.9	4.4	2.0	2.1	1.3	0.0
47.5°	20.1	12.6	5.1	2.1	2.2	1.4	0.0
45°	30.8	16.5	5.8	2.7	2.2	1.4	0.0
42.5°	41.5	20.6	6.6	3.2	2.3	1.5	0.0
40°	52.1	24.9	8.6	3.9	2.4	1.5	0.0
37.5°	62.7	29.5	12.0	4.8	2.5	1.6	0.0
35°	73.2	36.6	15.5	5.7	2.5	1.6	0.0
32.5°	84.2	44.9	18.9	6.7	2.6	1.7	0.0
30°	96.6	52.9	22.4	7.8	2.7	1.7	0.0
27.5°	108.6	60.7	26.4	8.9	2.8	1.8	0.0
25°	120.2	68.3	30.4	10.1	2.9	1.8	0.0
22.5°	131.3	75.6	34.3	11.3	3.0	1.8	0.0
20°	141.8	82.7	38.0	12.5	3.2	1.9	0.0
17.5°	151.6	89.4	41.7	13.8	3.3	1.9	0.0
15°	160.6	95.7	45.1	15.0	3.4	1.9	0.0
12.5°	168.9	101.5	48.4	16.3	3.5	2.0	0.0
10°	176.3	106.8	51.5	17.5	3.6	2.0	0.0
7.5°	183.0	111.6	54.4	18.7	3.7	2.0	0.0
5°	188.8	115.8	57.0	19.8	3.8	2.0	0.0
2.5°	193.9	119.6	59.3	20.8	3.9	2.0	0.0
0°	198.0	122.7	61.4	21.8	4.0	2.0	0.0
-2.5°	203.4	126.6	64.2	23.2	4.6	2.1	0.0
-5°	207.8	129.8	66.7	24.4	5.2	2.2	0.0
-7.5°	211.3	132.5	68.8	25.6	5.8	2.4	0.0
-10°	213.9	134.5	70.5	26.6	6.3	2.5	0.0
-12.5°	215.4	135.8	71.8	27.5	6.8	2.6	0.0
-15°	215.8	136.4	72.7	28.2	7.3	2.7	0.0
-17.5°	215.2	136.3	73.1	28.7	7.8	2.8	0.0
-20°	214.6	135.6	73.0	29.1	8.2	2.8	0.0

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REPORT NUMBER: P627642 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	214.7	134.1	72.4	29.2	8.5	2.9	0.0
-25°	213.7	133.6	71.3	29.2	8.8	2.9	0.0
-27.5°	211.7	133.0	69.6	29.0	9.1	3.0	0.0
-30°	208.6	131.6	67.6	28.6	9.3	3.0	0.0
-32.5°	204.4	129.3	66.8	28.0	9.5	3.0	0.0
-35°	200.4	126.2	65.4	27.2	9.6	3.0	0.0
-37.5°	195.9	122.8	63.4	26.1	9.6	3.0	0.0
-40°	190.2	119.8	60.9	24.9	9.6	3.0	0.0
-42.5°	183.5	116.1	59.1	23.7	9.5	2.9	0.0
-45°	175.7	111.6	57.9	22.8	9.3	2.9	0.0
-47.5°	166.8	106.3	56.2	21.6	9.1	2.8	0.0
-50°	159.0	100.3	53.8	21.2	8.8	2.7	0.0
-52.5°	150.7	93.6	50.8	20.9	8.5	2.6	0.0
-55°	141.4	88.0	47.3	20.3	8.1	2.5	0.0
-57.5°	131.2	82.1	43.2	19.5	7.6	2.4	0.0
-60°	120.3	75.3	38.7	18.5	7.1	2.3	0.0
-62.5°	109.8	67.7	36.1	17.2	6.7	2.1	0.0
-65°	98.2	59.4	33.0	15.6	6.2	2.0	0.0
-67.5°	85.6	52.0	29.5	13.9	5.7	1.8	0.0
-70°	72.2	45.6	25.6	12.0	5.2	1.6	0.0
-72.5°	61.3	38.7	21.5	10.6	4.6	1.4	0.0
-75°	50.3	31.3	17.1	9.2	4.0	1.3	0.0
-77.5°	38.8	23.6	14.1	7.8	3.4	1.1	0.0
-80°	26.8	18.0	11.4	6.3	2.7	0.9	0.0
-82.5°	19.7	13.6	8.7	4.8	2.0	0.6	0.0
-85°	13.2	9.2	5.8	3.2	1.4	0.4	0.0
-87.5°	6.6	4.6	2.9	1.6	0.7	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)