

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: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-735-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 12/7/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: MCGRAW-EDISON
 Catalog Number: GFLD-SA2E-735-U-VWR-XX
 Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N52
 Light Source: (32) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: -

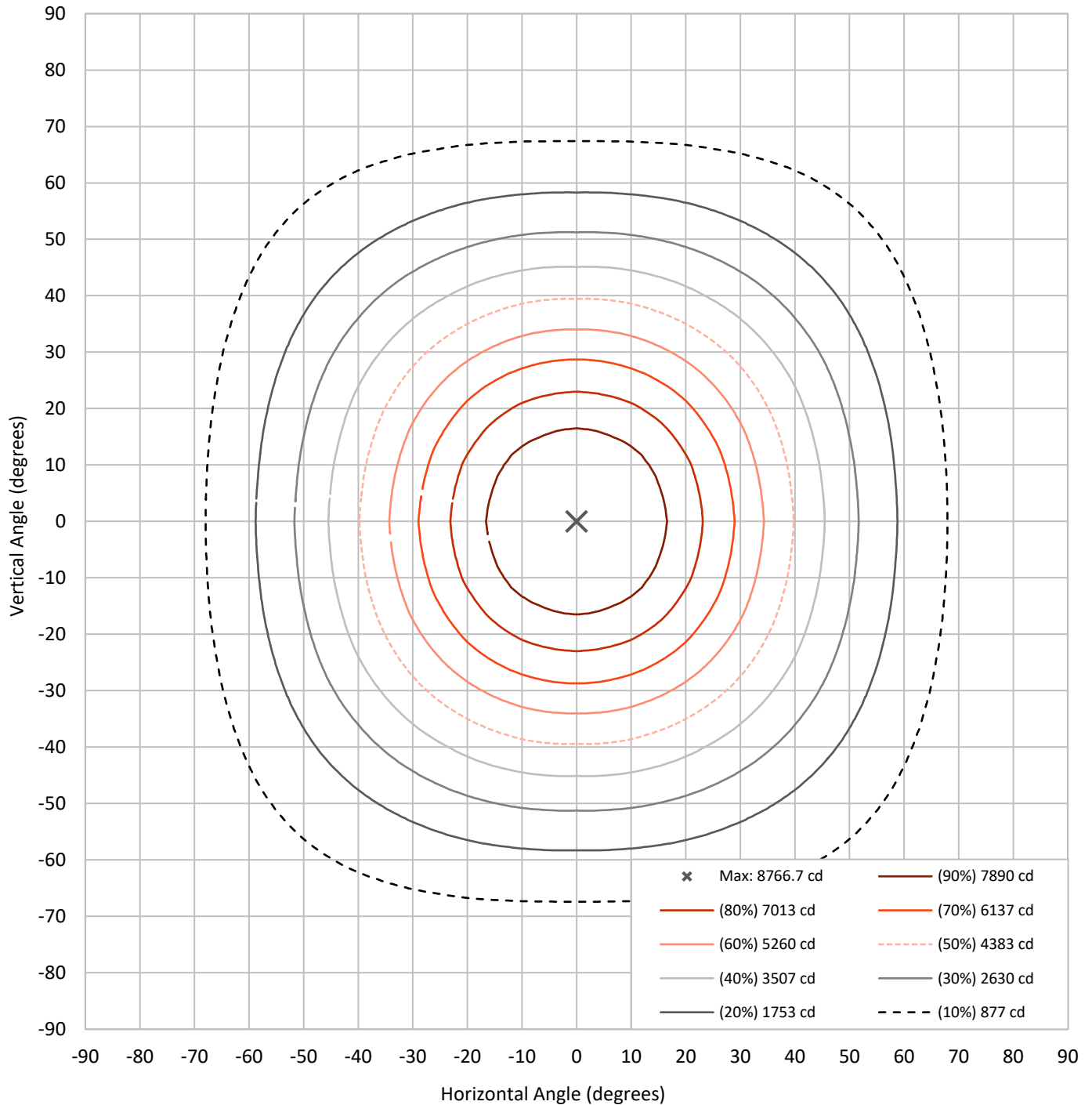
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	15845 lumens	Max Intensity:	8766.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' 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:	9293.2 lumens	Field Lumens:	15105.6 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	125.7		
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





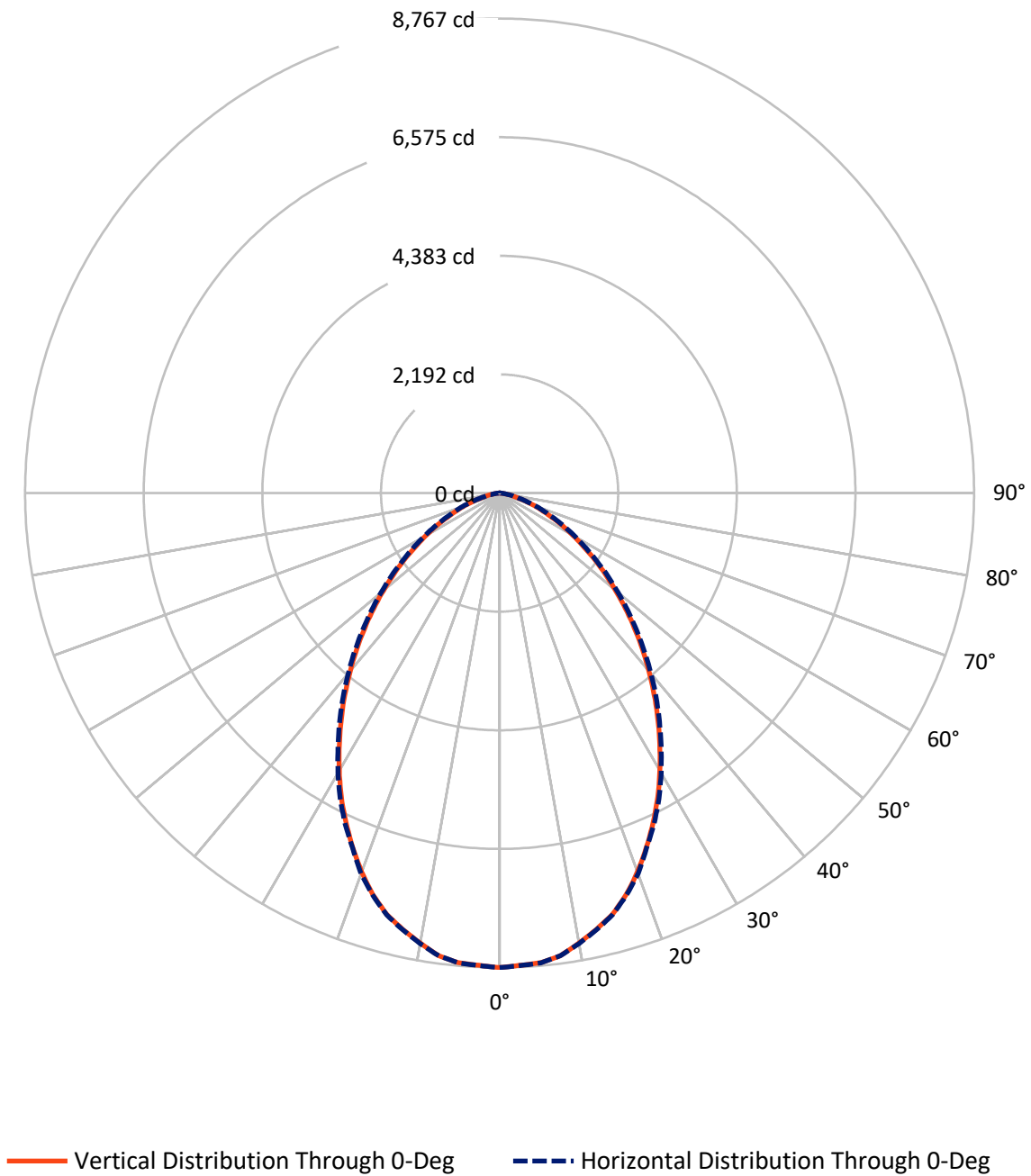
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Lumen Table

90																			
80	0.5	6.5	17.7	30.0	28.3	30.0	17.7	6.5	0.5										
70																			
60	2.9	4.1	8.2	14.0	20.5	26.4	30.9	33.1	33.1	30.9	26.4	20.5	14.0	8.2	4.1	2.9			
50																			
40	5.2	6.1	13.3	23.8	36.0	48.9	59.5	65.1	65.1	59.5	48.9	36.0	23.8	13.3	6.1	5.2			
30																			
20	6.7	8.2	19.3	35.6	56.4	78.1	96.4	106.3	106.3	96.4	78.1	56.4	35.6	19.3	8.2	6.7			
10																			
0	7.2	10.4	25.5	49.0	78.9	110.6	137.7	153.1	153.1	137.7	110.6	78.9	49.0	25.5	10.4	7.2			
-10																			
-20	6.7	12.4	31.4	61.6	100.4	142.6	179.3	200.5	200.5	179.3	142.6	100.4	61.6	31.4	12.4	6.7			
-30																			
-40	5.2	14.0	35.9	71.0	117.3	168.5	213.7	239.4	239.4	213.7	168.5	117.3	71.0	35.9	14.0	5.2			
-50																			
-60	2.9	14.8	38.5	76.4	126.6	182.9	232.3	259.4	259.4	232.3	182.9	126.6	76.4	38.5	14.8	2.9			
-70																			
-80	0.5	14.8	38.5	76.4	126.6	182.9	232.3	259.4	259.4	232.3	182.9	126.6	76.4	38.5	14.8	0.5			
-90																			

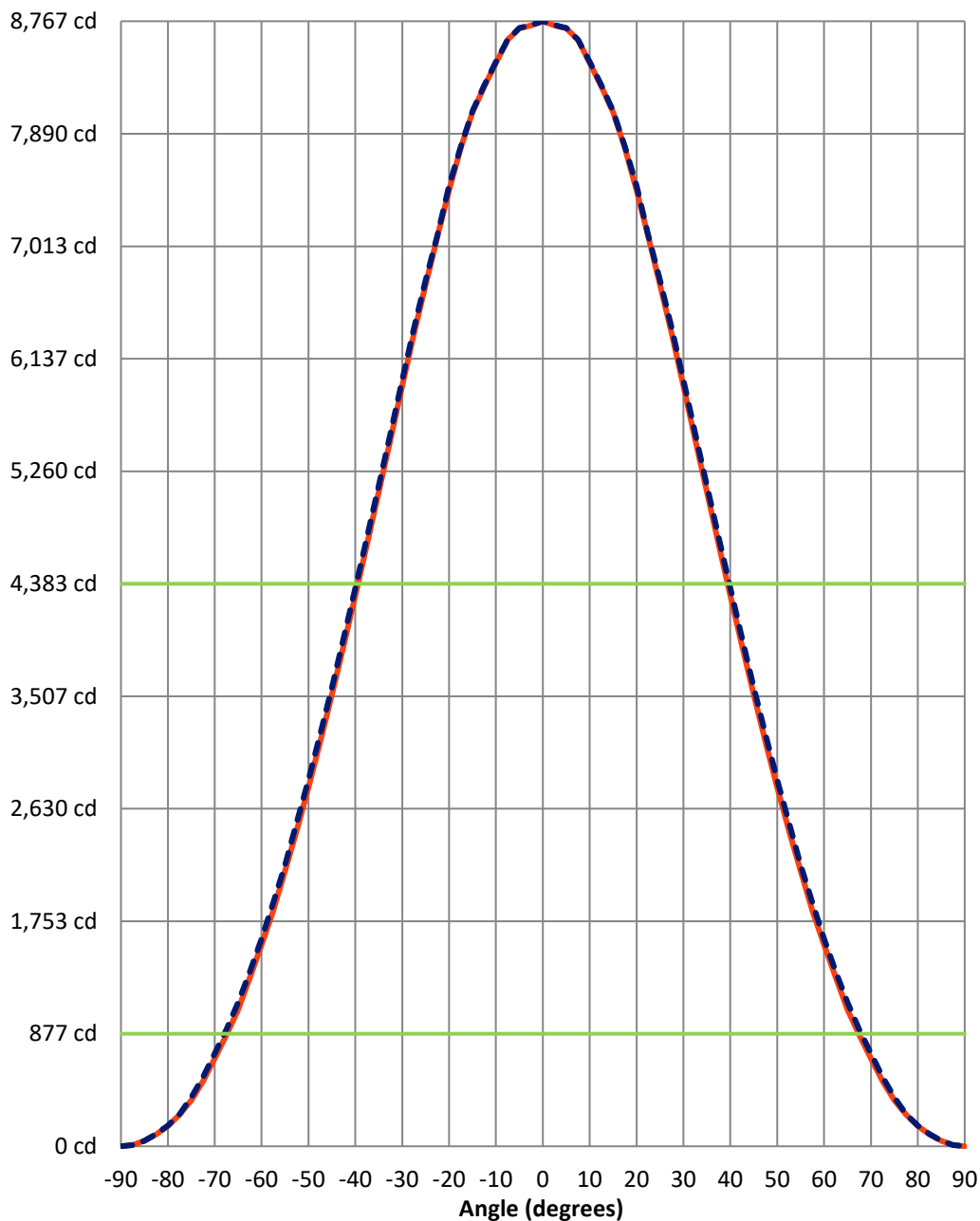
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 9293.2
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 15105.6
 Efficiency: 95.3%

Spill:
 Lumens: 739.5
 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	0.5	1.1	1.7	2.3	2.8	3.4	3.9	4.5	5.0	5.5
85°	0.0	1.0	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.0	11.1
82.5°	0.0	1.5	3.4	5.1	6.8	8.5	10.1	11.8	14.8	23.3	31.4
80°	0.0	2.0	4.5	6.8	9.1	11.3	15.3	27.2	38.7	49.7	60.3
77.5°	0.0	2.5	5.6	8.5	11.3	17.7	33.3	48.4	62.5	76.1	93.0
75°	0.0	3.0	6.7	10.1	14.7	30.7	50.9	69.4	87.1	111.4	137.3
72.5°	0.0	3.4	7.8	11.8	23.5	43.3	68.0	92.0	119.7	149.4	180.8
70°	0.0	3.9	8.8	14.1	32.0	55.4	85.1	119.0	151.7	186.6	227.4
67.5°	0.0	4.4	9.8	19.4	40.1	67.1	105.5	145.5	183.0	227.1	273.9
65°	0.0	4.8	10.8	24.4	47.9	80.1	125.1	171.2	216.8	266.4	317.3
62.5°	0.0	5.2	11.8	29.2	55.3	94.4	143.7	198.1	249.5	303.9	356.2
60°	0.0	5.6	12.7	33.8	62.2	107.9	161.2	224.8	281.0	339.0	394.5
57.5°	0.0	6.0	15.2	38.1	71.4	120.5	179.7	249.6	311.9	373.5	430.8
55°	0.0	6.4	17.7	42.1	80.2	132.3	197.2	271.1	342.4	406.8	465.7
52.5°	0.0	6.8	20.1	45.8	88.4	143.5	213.4	293.5	372.2	437.5	499.7
50°	0.0	7.2	22.4	49.1	96.0	155.4	228.2	314.7	400.5	467.3	538.6
47.5°	0.0	7.5	24.6	52.6	102.8	166.3	242.1	334.4	426.1	496.1	576.8
45°	0.0	7.8	26.7	57.2	109.0	176.1	257.5	352.5	446.0	528.7	613.3
42.5°	0.0	8.1	28.7	61.3	114.5	184.8	271.7	369.3	465.1	560.0	656.3
40°	0.0	8.4	30.5	65.5	120.0	192.4	284.5	385.1	484.9	589.2	698.2
37.5°	0.0	8.6	32.3	69.7	125.4	198.9	296.0	400.1	507.2	616.9	737.4
35°	0.0	8.9	33.9	73.6	130.1	206.4	306.2	414.3	528.9	648.8	777.0
32.5°	0.0	9.1	35.4	77.2	134.0	213.9	315.6	427.5	549.9	679.5	818.9
30°	0.0	9.3	36.7	80.5	137.2	220.4	325.3	440.7	570.2	708.9	858.1
27.5°	0.0	9.4	38.0	83.4	141.9	225.7	334.1	456.1	591.1	736.7	894.5
25°	0.0	9.6	39.1	86.1	146.3	229.9	341.8	470.4	612.9	765.1	928.1
22.5°	0.0	9.7	40.0	88.5	150.2	234.1	348.4	483.4	633.0	791.9	963.9
20°	0.0	9.8	40.9	90.5	153.5	239.9	353.9	495.2	651.2	815.9	996.0
17.5°	0.0	9.9	41.6	92.2	156.3	244.7	360.7	505.6	667.4	836.9	1024.3
15°	0.0	10.0	42.1	93.6	158.6	248.3	367.8	515.4	681.5	855.0	1048.8
12.5°	0.0	10.0	42.5	94.7	160.3	251.0	373.6	524.7	694.3	870.0	1069.2
10°	0.0	10.0	42.8	95.4	161.5	252.7	378.0	531.9	705.3	884.0	1086.4
7.5°	0.0	10.0	43.0	95.9	162.2	253.3	381.0	536.9	713.7	895.3	1101.3
5°	0.0	10.0	43.0	96.0	162.3	253.0	382.6	539.7	719.6	903.5	1112.0
2.5°	0.0	10.0	42.9	95.8	161.9	251.8	382.6	540.4	722.7	908.5	1118.4
0°	0.0	9.9	42.7	95.3	161.0	249.7	381.2	538.9	722.9	910.2	1120.5
-2.5°	0.0	10.0	42.9	95.8	161.9	251.8	382.6	540.4	722.7	908.5	1118.4
-5°	0.0	10.0	43.0	96.0	162.3	253.0	382.6	539.7	719.6	903.5	1112.0
-7.5°	0.0	10.0	43.0	95.9	162.2	253.3	381.0	536.9	713.7	895.3	1101.3
-10°	0.0	10.0	42.8	95.4	161.5	252.7	378.0	531.9	705.3	884.0	1086.4
-12.5°	0.0	10.0	42.5	94.7	160.3	251.0	373.6	524.7	694.3	870.0	1069.2
-15°	0.0	10.0	42.1	93.6	158.6	248.3	367.8	515.4	681.5	855.0	1048.8
-17.5°	0.0	9.9	41.6	92.2	156.3	244.7	360.7	505.6	667.4	836.9	1024.3
-20°	0.0	9.8	40.9	90.5	153.5	239.9	353.9	495.2	651.2	815.9	996.0

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.7	40.0	88.5	150.2	234.1	348.4	483.4	633.0	791.9	963.9
-25°	0.0	9.6	39.1	86.1	146.3	229.9	341.8	470.4	612.9	765.1	928.1
-27.5°	0.0	9.4	38.0	83.4	141.9	225.7	334.1	456.1	591.1	736.7	894.5
-30°	0.0	9.3	36.7	80.5	137.2	220.4	325.3	440.7	570.2	708.9	858.1
-32.5°	0.0	9.1	35.4	77.2	134.0	213.9	315.6	427.5	549.9	679.5	818.9
-35°	0.0	8.9	33.9	73.6	130.1	206.4	306.2	414.3	528.9	648.8	777.0
-37.5°	0.0	8.6	32.3	69.7	125.4	198.9	296.0	400.1	507.2	616.9	737.4
-40°	0.0	8.4	30.5	65.5	120.0	192.4	284.5	385.1	484.9	589.2	698.2
-42.5°	0.0	8.1	28.7	61.3	114.5	184.8	271.7	369.3	465.1	560.0	656.3
-45°	0.0	7.8	26.7	57.2	109.0	176.1	257.5	352.5	446.0	528.7	613.3
-47.5°	0.0	7.5	24.6	52.6	102.8	166.3	242.1	334.4	426.1	496.1	576.8
-50°	0.0	7.2	22.4	49.1	96.0	155.4	228.2	314.7	400.5	467.3	538.6
-52.5°	0.0	6.8	20.1	45.8	88.4	143.5	213.4	293.5	372.2	437.5	499.7
-55°	0.0	6.4	17.7	42.1	80.2	132.3	197.2	271.1	342.4	406.8	465.7
-57.5°	0.0	6.0	15.2	38.1	71.4	120.5	179.7	249.6	311.9	373.5	430.8
-60°	0.0	5.6	12.7	33.8	62.2	107.9	161.2	224.8	281.0	339.0	394.5
-62.5°	0.0	5.2	11.8	29.2	55.3	94.4	143.7	198.1	249.5	303.9	356.2
-65°	0.0	4.8	10.8	24.4	47.9	80.1	125.1	171.2	216.8	266.4	317.3
-67.5°	0.0	4.4	9.8	19.4	40.1	67.1	105.5	145.5	183.0	227.1	273.9
-70°	0.0	3.9	8.8	14.1	32.0	55.4	85.1	119.0	151.7	186.6	227.4
-72.5°	0.0	3.4	7.8	11.8	23.5	43.3	68.0	92.0	119.7	149.4	180.8
-75°	0.0	3.0	6.7	10.1	14.7	30.7	50.9	69.4	87.1	111.4	137.3
-77.5°	0.0	2.5	5.6	8.5	11.3	17.7	33.3	48.4	62.5	76.1	93.0
-80°	0.0	2.0	4.5	6.8	9.1	11.3	15.3	27.2	38.7	49.7	60.3
-82.5°	0.0	1.5	3.4	5.1	6.8	8.5	10.1	11.8	14.8	23.3	31.4
-85°	0.0	1.0	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.0	11.1
-87.5°	0.0	0.5	1.1	1.7	2.3	2.8	3.4	3.9	4.5	5.0	5.5
-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°	6.4	7.4	8.4	9.4	9.5	9.5	9.4	9.3	9.7	10.0	10.4
85°	12.8	14.7	20.4	26.0	28.6	30.3	31.0	30.9	36.0	41.8	48.1
82.5°	39.9	48.2	56.0	63.5	65.5	65.5	64.9	65.1	76.9	90.5	104.4
80°	71.1	81.6	95.5	107.8	113.1	115.9	117.2	116.9	131.9	151.8	172.8
77.5°	112.9	130.5	145.8	158.9	165.9	172.1	177.1	181.0	200.2	225.4	250.3
75°	160.5	179.8	199.0	215.7	227.4	236.1	244.1	257.1	282.3	311.7	337.3
72.5°	210.7	235.4	256.7	274.9	291.3	308.7	328.2	349.6	376.2	405.5	432.2
70°	264.3	291.4	313.8	335.7	358.0	384.1	413.4	442.2	471.8	504.2	535.3
67.5°	316.8	342.9	369.3	396.8	430.3	465.2	499.8	539.5	580.1	616.1	648.2
65°	362.3	392.9	425.9	463.4	504.7	549.1	595.2	642.8	694.4	737.5	776.9
62.5°	405.8	442.6	482.7	529.4	582.1	634.6	693.5	753.1	811.1	862.0	909.0
60°	445.9	490.5	541.2	598.4	659.9	729.8	796.8	864.6	928.3	985.9	1045.3
57.5°	484.9	541.1	601.9	670.5	748.3	826.8	905.6	978.6	1050.6	1120.8	1188.0
55°	526.2	593.9	666.2	750.4	838.1	930.9	1015.8	1097.2	1176.6	1261.8	1342.8
52.5°	571.6	647.2	737.8	832.0	933.3	1032.9	1126.2	1218.9	1314.8	1411.3	1516.7
50°	615.4	709.7	808.9	918.5	1028.0	1134.7	1241.7	1348.4	1463.4	1581.6	1701.1
47.5°	666.6	769.5	886.7	1004.3	1123.9	1242.7	1361.8	1490.9	1621.4	1758.5	1890.7
45°	718.4	834.1	960.4	1093.3	1222.7	1354.2	1493.5	1636.2	1789.2	1940.0	2099.0
42.5°	767.5	898.3	1037.5	1181.1	1325.0	1471.9	1625.2	1791.8	1959.0	2133.0	2307.7
40°	821.9	959.3	1112.9	1271.0	1427.1	1590.1	1765.2	1945.6	2134.8	2326.1	2515.9
37.5°	874.3	1025.3	1186.7	1356.9	1532.1	1711.1	1901.3	2106.1	2311.3	2517.1	2726.4
35°	923.2	1087.8	1262.6	1443.4	1629.2	1832.8	2045.3	2264.0	2486.3	2708.9	2934.0
32.5°	973.7	1146.8	1335.2	1528.6	1733.3	1951.7	2184.5	2421.5	2658.3	2896.0	3142.4
30°	1024.2	1208.6	1405.5	1609.2	1833.2	2071.1	2321.3	2572.3	2822.8	3084.4	3346.9
27.5°	1071.9	1267.3	1474.6	1692.6	1928.8	2181.6	2447.4	2716.3	2986.4	3264.5	3544.5
25°	1115.8	1322.8	1538.7	1772.7	2023.2	2288.0	2564.9	2845.5	3141.6	3439.2	3731.7
22.5°	1158.7	1373.9	1598.0	1846.6	2108.6	2386.8	2675.1	2971.4	3280.8	3600.5	3903.1
20°	1199.9	1422.5	1655.8	1913.6	2185.2	2475.7	2775.3	3085.5	3410.2	3738.4	4063.9
17.5°	1236.5	1465.6	1709.6	1976.1	2258.3	2557.0	2865.6	3186.0	3525.1	3865.3	4210.2
15°	1268.4	1503.2	1756.2	2030.8	2322.9	2630.9	2949.3	3278.9	3626.8	3981.0	4339.5
12.5°	1295.4	1535.1	1795.4	2077.2	2377.7	2694.3	3021.3	3362.4	3719.7	4083.8	4452.8
10°	1317.3	1561.0	1827.1	2115.2	2422.4	2746.7	3080.6	3431.3	3799.3	4171.4	4548.1
7.5°	1335.9	1582.7	1852.3	2144.4	2456.9	2787.7	3126.7	3485.1	3862.7	4239.6	4624.6
5°	1349.5	1600.2	1875.4	2169.0	2486.9	2819.8	3161.7	3523.3	3909.1	4288.2	4680.1
2.5°	1357.7	1611.5	1891.1	2184.9	2510.5	2843.8	3192.8	3557.2	3943.1	4326.8	4721.8
0°	1360.4	1616.6	1899.2	2191.7	2523.6	2855.4	3210.3	3575.0	3959.5	4350.5	4748.1
-2.5°	1357.7	1611.5	1891.1	2184.9	2510.5	2843.8	3192.8	3557.2	3943.1	4326.8	4721.8
-5°	1349.5	1600.2	1875.4	2169.0	2486.9	2819.8	3161.7	3523.3	3909.1	4288.2	4680.1
-7.5°	1335.9	1582.7	1852.3	2144.4	2456.9	2787.7	3126.7	3485.1	3862.7	4239.6	4624.6
-10°	1317.3	1561.0	1827.1	2115.2	2422.4	2746.7	3080.6	3431.3	3799.3	4171.4	4548.1
-12.5°	1295.4	1535.1	1795.4	2077.2	2377.7	2694.3	3021.3	3362.4	3719.7	4083.8	4452.8
-15°	1268.4	1503.2	1756.2	2030.8	2322.9	2630.9	2949.3	3278.9	3626.8	3981.0	4339.5
-17.5°	1236.5	1465.6	1709.6	1976.1	2258.3	2557.0	2865.6	3186.0	3525.1	3865.3	4210.2
-20°	1199.9	1422.5	1655.8	1913.6	2185.2	2475.7	2775.3	3085.5	3410.2	3738.4	4063.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	1158.7	1373.9	1598.0	1846.6	2108.6	2386.8	2675.1	2971.4	3280.8	3600.5	3903.1
-25°	1115.8	1322.8	1538.7	1772.7	2023.2	2288.0	2564.9	2845.5	3141.6	3439.2	3731.7
-27.5°	1071.9	1267.3	1474.6	1692.6	1928.8	2181.6	2447.4	2716.3	2986.4	3264.5	3544.5
-30°	1024.2	1208.6	1405.5	1609.2	1833.2	2071.1	2321.3	2572.3	2822.8	3084.4	3346.9
-32.5°	973.7	1146.8	1335.2	1528.6	1733.3	1951.7	2184.5	2421.5	2658.3	2896.0	3142.4
-35°	923.2	1087.8	1262.6	1443.4	1629.2	1832.8	2045.3	2264.0	2486.3	2708.9	2934.0
-37.5°	874.3	1025.3	1186.7	1356.9	1532.1	1711.1	1901.3	2106.1	2311.3	2517.1	2726.4
-40°	821.9	959.3	1112.9	1271.0	1427.1	1590.1	1765.2	1945.6	2134.8	2326.1	2515.9
-42.5°	767.5	898.3	1037.5	1181.1	1325.0	1471.9	1625.2	1791.8	1959.0	2133.0	2307.7
-45°	718.4	834.1	960.4	1093.3	1222.7	1354.2	1493.5	1636.2	1789.2	1940.0	2099.0
-47.5°	666.6	769.5	886.7	1004.3	1123.9	1242.7	1361.8	1490.9	1621.4	1758.5	1890.7
-50°	615.4	709.7	808.9	918.5	1028.0	1134.7	1241.7	1348.4	1463.4	1581.6	1701.1
-52.5°	571.6	647.2	737.8	832.0	933.3	1032.9	1126.2	1218.9	1314.8	1411.3	1516.7
-55°	526.2	593.9	666.2	750.4	838.1	930.9	1015.8	1097.2	1176.6	1261.8	1342.8
-57.5°	484.9	541.1	601.9	670.5	748.3	826.8	905.6	978.6	1050.6	1120.8	1188.0
-60°	445.9	490.5	541.2	598.4	659.9	729.8	796.8	864.6	928.3	985.9	1045.3
-62.5°	405.8	442.6	482.7	529.4	582.1	634.6	693.5	753.1	811.1	862.0	909.0
-65°	362.3	392.9	425.9	463.4	504.7	549.1	595.2	642.8	694.4	737.5	776.9
-67.5°	316.8	342.9	369.3	396.8	430.3	465.2	499.8	539.5	580.1	616.1	648.2
-70°	264.3	291.4	313.8	335.7	358.0	384.1	413.4	442.2	471.8	504.2	535.3
-72.5°	210.7	235.4	256.7	274.9	291.3	308.7	328.2	349.6	376.2	405.5	432.2
-75°	160.5	179.8	199.0	215.7	227.4	236.1	244.1	257.1	282.3	311.7	337.3
-77.5°	112.9	130.5	145.8	158.9	165.9	172.1	177.1	181.0	200.2	225.4	250.3
-80°	71.1	81.6	95.5	107.8	113.1	115.9	117.2	116.9	131.9	151.8	172.8
-82.5°	39.9	48.2	56.0	63.5	65.5	65.5	64.9	65.1	76.9	90.5	104.4
-85°	12.8	14.7	20.4	26.0	28.6	30.3	31.0	30.9	36.0	41.8	48.1
-87.5°	6.4	7.4	8.4	9.4	9.5	9.5	9.4	9.3	9.7	10.0	10.4
-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: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	10.7	11.0	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.0	11.3
85°	54.9	58.8	62.4	65.8	69.1	72.2	75.2	77.9	80.4	73.5	65.8
82.5°	118.6	128.1	137.1	146.1	155.0	157.3	158.0	157.6	156.4	144.2	130.6
80°	193.5	209.6	224.8	239.8	254.7	256.4	254.7	251.6	247.3	231.2	213.0
77.5°	275.3	295.5	313.3	329.6	344.4	347.2	346.8	346.0	344.8	328.4	308.6
75°	359.2	379.0	398.1	414.4	427.9	434.2	437.2	439.4	440.6	428.8	413.4
72.5°	456.4	477.1	493.9	509.7	523.1	532.7	539.7	544.9	548.5	544.9	538.6
70°	561.9	584.0	602.7	620.5	638.6	653.2	664.1	672.1	677.1	680.4	682.8
67.5°	680.7	710.4	736.4	758.5	780.5	801.0	817.9	831.7	842.3	851.3	858.3
65°	814.6	852.6	886.2	917.2	945.5	975.3	999.8	1020.3	1036.8	1050.5	1061.4
62.5°	955.3	1001.8	1045.1	1087.1	1128.2	1168.7	1199.7	1228.0	1253.2	1274.8	1292.0
60°	1101.6	1154.4	1212.5	1267.9	1318.8	1365.4	1411.6	1451.7	1486.0	1514.4	1537.3
57.5°	1258.8	1327.3	1395.1	1463.9	1528.9	1589.7	1646.6	1696.9	1739.3	1774.1	1803.4
55°	1428.6	1514.3	1592.9	1679.7	1763.5	1839.9	1907.0	1966.1	2017.2	2060.0	2096.3
52.5°	1615.3	1719.4	1821.5	1920.3	2015.5	2104.0	2184.5	2253.3	2314.4	2366.9	2408.7
50°	1819.5	1938.6	2057.1	2167.0	2276.3	2378.4	2470.6	2550.4	2621.6	2683.2	2731.7
47.5°	2033.2	2168.8	2301.1	2426.8	2547.8	2661.2	2761.1	2852.1	2940.9	3013.3	3070.5
45°	2255.1	2407.2	2553.1	2696.8	2830.1	2957.2	3080.5	3193.8	3284.9	3364.6	3431.6
42.5°	2479.6	2649.3	2812.7	2969.5	3116.1	3263.1	3401.7	3525.5	3629.4	3720.1	3796.3
40°	2707.1	2892.8	3072.9	3243.9	3411.4	3571.7	3721.6	3852.2	3969.4	4077.1	4166.8
37.5°	2933.4	3137.8	3337.2	3528.8	3713.3	3886.9	4048.9	4196.5	4328.7	4451.4	4551.0
35°	3160.8	3385.0	3603.3	3814.1	4015.6	4207.2	4384.6	4552.5	4708.3	4832.6	4934.6
32.5°	3387.2	3628.2	3865.9	4097.9	4318.5	4525.1	4717.3	4902.8	5063.1	5199.7	5316.9
30°	3606.3	3867.5	4126.2	4377.8	4616.1	4840.0	5052.7	5248.9	5421.3	5570.7	5702.1
27.5°	3821.4	4101.9	4379.5	4648.3	4906.0	5149.2	5381.4	5594.2	5782.3	5944.6	6083.3
25°	4024.6	4326.1	4622.1	4907.1	5182.3	5450.6	5701.3	5933.5	6134.4	6312.7	6455.1
22.5°	4218.8	4540.3	4851.3	5151.1	5445.5	5734.7	6009.1	6251.6	6464.6	6650.9	6808.5
20°	4399.7	4744.2	5062.4	5379.5	5689.5	5998.3	6293.0	6548.9	6774.2	6972.5	7146.3
17.5°	4568.7	4922.2	5257.2	5594.8	5921.5	6245.5	6544.9	6819.2	7062.2	7272.8	7454.8
15°	4711.9	5068.9	5434.7	5795.1	6139.7	6467.7	6766.9	7053.3	7323.2	7551.0	7735.6
12.5°	4827.8	5199.0	5580.7	5963.3	6327.7	6655.3	6968.5	7259.1	7542.5	7798.4	7968.0
10°	4926.6	5308.8	5702.8	6093.0	6462.3	6809.0	7149.5	7456.7	7735.3	7964.4	8153.8
7.5°	5012.1	5405.7	5805.9	6196.7	6564.8	6923.0	7273.5	7599.8	7881.0	8096.9	8265.8
5°	5075.0	5478.1	5886.0	6280.4	6653.7	7013.0	7365.1	7687.3	7961.8	8181.4	8365.7
2.5°	5120.1	5526.9	5937.8	6332.8	6714.3	7074.5	7435.4	7761.2	8027.0	8228.3	8404.7
0°	5149.0	5556.4	5970.4	6374.6	6749.2	7097.5	7485.2	7790.8	8066.8	8267.3	8451.3
-2.5°	5120.1	5526.9	5937.8	6332.8	6714.3	7074.5	7435.4	7761.2	8027.0	8228.3	8404.7
-5°	5075.0	5478.1	5886.0	6280.4	6653.7	7013.0	7365.1	7687.3	7961.8	8181.4	8365.7
-7.5°	5012.1	5405.7	5805.9	6196.7	6564.8	6923.0	7273.5	7599.8	7881.0	8096.9	8265.8
-10°	4926.6	5308.8	5702.8	6093.0	6462.3	6809.0	7149.5	7456.7	7735.3	7964.4	8153.8
-12.5°	4827.8	5199.0	5580.7	5963.3	6327.7	6655.3	6968.5	7259.1	7542.5	7798.4	7968.0
-15°	4711.9	5068.9	5434.7	5795.1	6139.7	6467.7	6766.9	7053.3	7323.2	7551.0	7735.6
-17.5°	4568.7	4922.2	5257.2	5594.8	5921.5	6245.5	6544.9	6819.2	7062.2	7272.8	7454.8
-20°	4399.7	4744.2	5062.4	5379.5	5689.5	5998.3	6293.0	6548.9	6774.2	6972.5	7146.3

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4218.8	4540.3	4851.3	5151.1	5445.5	5734.7	6009.1	6251.6	6464.6	6650.9	6808.5
-25°	4024.6	4326.1	4622.1	4907.1	5182.3	5450.6	5701.3	5933.5	6134.4	6312.7	6455.1
-27.5°	3821.4	4101.9	4379.5	4648.3	4906.0	5149.2	5381.4	5594.2	5782.3	5944.6	6083.3
-30°	3606.3	3867.5	4126.2	4377.8	4616.1	4840.0	5052.7	5248.9	5421.3	5570.7	5702.1
-32.5°	3387.2	3628.2	3865.9	4097.9	4318.5	4525.1	4717.3	4902.8	5063.1	5199.7	5316.9
-35°	3160.8	3385.0	3603.3	3814.1	4015.6	4207.2	4384.6	4552.5	4708.3	4832.6	4934.6
-37.5°	2933.4	3137.8	3337.2	3528.8	3713.3	3886.9	4048.9	4196.5	4328.7	4451.4	4551.0
-40°	2707.1	2892.8	3072.9	3243.9	3411.4	3571.7	3721.6	3852.2	3969.4	4077.1	4166.8
-42.5°	2479.6	2649.3	2812.7	2969.5	3116.1	3263.1	3401.7	3525.5	3629.4	3720.1	3796.3
-45°	2255.1	2407.2	2553.1	2696.8	2830.1	2957.2	3080.5	3193.8	3284.9	3364.6	3431.6
-47.5°	2033.2	2168.8	2301.1	2426.8	2547.8	2661.2	2761.1	2852.1	2940.9	3013.3	3070.5
-50°	1819.5	1938.6	2057.1	2167.0	2276.3	2378.4	2470.6	2550.4	2621.6	2683.2	2731.7
-52.5°	1615.3	1719.4	1821.5	1920.3	2015.5	2104.0	2184.5	2253.3	2314.4	2366.9	2408.7
-55°	1428.6	1514.3	1592.9	1679.7	1763.5	1839.9	1907.0	1966.1	2017.2	2060.0	2096.3
-57.5°	1258.8	1327.3	1395.1	1463.9	1528.9	1589.7	1646.6	1696.9	1739.3	1774.1	1803.4
-60°	1101.6	1154.4	1212.5	1267.9	1318.8	1365.4	1411.6	1451.7	1486.0	1514.4	1537.3
-62.5°	955.3	1001.8	1045.1	1087.1	1128.2	1168.7	1199.7	1228.0	1253.2	1274.8	1292.0
-65°	814.6	852.6	886.2	917.2	945.5	975.3	999.8	1020.3	1036.8	1050.5	1061.4
-67.5°	680.7	710.4	736.4	758.5	780.5	801.0	817.9	831.7	842.3	851.3	858.3
-70°	561.9	584.0	602.7	620.5	638.6	653.2	664.1	672.1	677.1	680.4	682.8
-72.5°	456.4	477.1	493.9	509.7	523.1	532.7	539.7	544.9	548.5	544.9	538.6
-75°	359.2	379.0	398.1	414.4	427.9	434.2	437.2	439.4	440.6	428.8	413.4
-77.5°	275.3	295.5	313.3	329.6	344.4	347.2	346.8	346.0	344.8	328.4	308.6
-80°	193.5	209.6	224.8	239.8	254.7	256.4	254.7	251.6	247.3	231.2	213.0
-82.5°	118.6	128.1	137.1	146.1	155.0	157.3	158.0	157.6	156.4	144.2	130.6
-85°	54.9	58.8	62.4	65.8	69.1	72.2	75.2	77.9	80.4	73.5	65.8
-87.5°	10.7	11.0	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.0	11.3
-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: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-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°	10.6	9.9	9.9	9.9	9.9	9.9	10.6	11.3	12.0	12.7	12.5
85°	57.6	49.1	45.9	42.7	45.9	49.1	57.6	65.8	73.5	80.4	77.9
82.5°	116.4	101.6	96.8	92.0	96.8	101.6	116.4	130.6	144.2	156.4	157.6
80°	193.8	173.7	165.8	157.7	165.8	173.7	193.8	213.0	231.2	247.3	251.6
77.5°	287.6	265.6	256.1	246.4	256.1	265.6	287.6	308.6	328.4	344.8	346.0
75°	397.2	379.9	369.4	358.2	369.4	379.9	397.2	413.4	428.8	440.6	439.4
72.5°	531.4	522.9	515.3	506.0	515.3	522.9	531.4	538.6	544.9	548.5	544.9
70°	683.5	682.5	683.9	683.5	683.9	682.5	683.5	682.8	680.4	677.1	672.1
67.5°	861.9	862.2	865.9	867.5	865.9	862.2	861.9	858.3	851.3	842.3	831.7
65°	1068.2	1070.8	1069.8	1064.6	1069.8	1070.8	1068.2	1061.4	1050.5	1036.8	1020.3
62.5°	1304.3	1311.3	1315.2	1314.3	1315.2	1311.3	1304.3	1292.0	1274.8	1253.2	1228.0
60°	1554.5	1565.6	1571.2	1570.6	1571.2	1565.6	1554.5	1537.3	1514.4	1486.0	1451.7
57.5°	1825.2	1839.4	1842.7	1836.8	1842.7	1839.4	1825.2	1803.4	1774.1	1739.3	1696.9
55°	2123.7	2142.0	2149.0	2145.7	2149.0	2142.0	2123.7	2096.3	2060.0	2017.2	1966.1
52.5°	2439.4	2459.1	2466.1	2461.1	2466.1	2459.1	2439.4	2408.7	2366.9	2314.4	2253.3
50°	2767.3	2791.2	2800.9	2796.3	2800.9	2791.2	2767.3	2731.7	2683.2	2621.6	2550.4
47.5°	3115.4	3147.2	3159.6	3151.2	3159.6	3147.2	3115.4	3070.5	3013.3	2940.9	2852.1
45°	3481.7	3514.7	3527.4	3519.2	3527.4	3514.7	3481.7	3431.6	3364.6	3284.9	3193.8
42.5°	3854.5	3897.3	3915.4	3900.3	3915.4	3897.3	3854.5	3796.3	3720.1	3629.4	3525.5
40°	4233.8	4280.3	4301.7	4291.4	4301.7	4280.3	4233.8	4166.8	4077.1	3969.4	3852.2
37.5°	4623.0	4669.2	4691.9	4692.2	4691.9	4669.2	4623.0	4551.0	4451.4	4328.7	4196.5
35°	5013.5	5069.5	5101.2	5099.7	5101.2	5069.5	5013.5	4934.6	4832.6	4708.3	4552.5
32.5°	5409.5	5470.2	5502.6	5507.1	5502.6	5470.2	5409.5	5316.9	5199.7	5063.1	4902.8
30°	5804.9	5871.6	5909.0	5924.4	5909.0	5871.6	5804.9	5702.1	5570.7	5421.3	5248.9
27.5°	6188.3	6270.3	6326.9	6331.9	6326.9	6270.3	6188.3	6083.3	5944.6	5782.3	5594.2
25°	6559.6	6643.2	6701.2	6713.0	6701.2	6643.2	6559.6	6455.1	6312.7	6134.4	5933.5
22.5°	6925.6	7012.9	7066.5	7087.6	7066.5	7012.9	6925.6	6808.5	6650.9	6464.6	6251.6
20°	7274.9	7369.6	7426.4	7449.1	7426.4	7369.6	7274.9	7146.3	6972.5	6774.2	6548.9
17.5°	7591.0	7691.0	7761.2	7780.9	7761.2	7691.0	7591.0	7454.8	7272.8	7062.2	6819.2
15°	7869.2	7964.0	8030.7	8057.0	8030.7	7964.0	7869.2	7735.6	7551.0	7323.2	7053.3
12.5°	8095.6	8180.4	8232.6	8257.4	8232.6	8180.4	8095.6	7968.0	7798.4	7542.5	7259.1
10°	8272.5	8357.6	8407.4	8441.4	8407.4	8357.6	8272.5	8153.8	7964.4	7735.3	7456.7
7.5°	8426.0	8513.2	8574.2	8622.1	8574.2	8513.2	8426.0	8265.8	8096.9	7881.0	7599.8
5°	8510.7	8656.3	8678.2	8710.9	8678.2	8656.3	8510.7	8365.7	8181.4	7961.8	7687.3
2.5°	8575.4	8678.6	8740.7	8733.9	8740.7	8678.6	8575.4	8404.7	8228.3	8027.0	7761.2
0°	8622.1	8714.1	8737.1	8766.7	8737.1	8714.1	8622.1	8451.3	8267.3	8066.8	7790.8
-2.5°	8575.4	8678.6	8740.7	8733.9	8740.7	8678.6	8575.4	8404.7	8228.3	8027.0	7761.2
-5°	8510.7	8656.3	8678.2	8710.9	8678.2	8656.3	8510.7	8365.7	8181.4	7961.8	7687.3
-7.5°	8426.0	8513.2	8574.2	8622.1	8574.2	8513.2	8426.0	8265.8	8096.9	7881.0	7599.8
-10°	8272.5	8357.6	8407.4	8441.4	8407.4	8357.6	8272.5	8153.8	7964.4	7735.3	7456.7
-12.5°	8095.6	8180.4	8232.6	8257.4	8232.6	8180.4	8095.6	7968.0	7798.4	7542.5	7259.1
-15°	7869.2	7964.0	8030.7	8057.0	8030.7	7964.0	7869.2	7735.6	7551.0	7323.2	7053.3
-17.5°	7591.0	7691.0	7761.2	7780.9	7761.2	7691.0	7591.0	7454.8	7272.8	7062.2	6819.2
-20°	7274.9	7369.6	7426.4	7449.1	7426.4	7369.6	7274.9	7146.3	6972.5	6774.2	6548.9



REPORT NUMBER: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-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°	6925.6	7012.9	7066.5	7087.6	7066.5	7012.9	6925.6	6808.5	6650.9	6464.6	6251.6
-25°	6559.6	6643.2	6701.2	6713.0	6701.2	6643.2	6559.6	6455.1	6312.7	6134.4	5933.5
-27.5°	6188.3	6270.3	6326.9	6331.9	6326.9	6270.3	6188.3	6083.3	5944.6	5782.3	5594.2
-30°	5804.9	5871.6	5909.0	5924.4	5909.0	5871.6	5804.9	5702.1	5570.7	5421.3	5248.9
-32.5°	5409.5	5470.2	5502.6	5507.1	5502.6	5470.2	5409.5	5316.9	5199.7	5063.1	4902.8
-35°	5013.5	5069.5	5101.2	5099.7	5101.2	5069.5	5013.5	4934.6	4832.6	4708.3	4552.5
-37.5°	4623.0	4669.2	4691.9	4692.2	4691.9	4669.2	4623.0	4551.0	4451.4	4328.7	4196.5
-40°	4233.8	4280.3	4301.7	4291.4	4301.7	4280.3	4233.8	4166.8	4077.1	3969.4	3852.2
-42.5°	3854.5	3897.3	3915.4	3900.3	3915.4	3897.3	3854.5	3796.3	3720.1	3629.4	3525.5
-45°	3481.7	3514.7	3527.4	3519.2	3527.4	3514.7	3481.7	3431.6	3364.6	3284.9	3193.8
-47.5°	3115.4	3147.2	3159.6	3151.2	3159.6	3147.2	3115.4	3070.5	3013.3	2940.9	2852.1
-50°	2767.3	2791.2	2800.9	2796.3	2800.9	2791.2	2767.3	2731.7	2683.2	2621.6	2550.4
-52.5°	2439.4	2459.1	2466.1	2461.1	2466.1	2459.1	2439.4	2408.7	2366.9	2314.4	2253.3
-55°	2123.7	2142.0	2149.0	2145.7	2149.0	2142.0	2123.7	2096.3	2060.0	2017.2	1966.1
-57.5°	1825.2	1839.4	1842.7	1836.8	1842.7	1839.4	1825.2	1803.4	1774.1	1739.3	1696.9
-60°	1554.5	1565.6	1571.2	1570.6	1571.2	1565.6	1554.5	1537.3	1514.4	1486.0	1451.7
-62.5°	1304.3	1311.3	1315.2	1314.3	1315.2	1311.3	1304.3	1292.0	1274.8	1253.2	1228.0
-65°	1068.2	1070.8	1069.8	1064.6	1069.8	1070.8	1068.2	1061.4	1050.5	1036.8	1020.3
-67.5°	861.9	862.2	865.9	867.5	865.9	862.2	861.9	858.3	851.3	842.3	831.7
-70°	683.5	682.5	683.9	683.5	683.9	682.5	683.5	682.8	680.4	677.1	672.1
-72.5°	531.4	522.9	515.3	506.0	515.3	522.9	531.4	538.6	544.9	548.5	544.9
-75°	397.2	379.9	369.4	358.2	369.4	379.9	397.2	413.4	428.8	440.6	439.4
-77.5°	287.6	265.6	256.1	246.4	256.1	265.6	287.6	308.6	328.4	344.8	346.0
-80°	193.8	173.7	165.8	157.7	165.8	173.7	193.8	213.0	231.2	247.3	251.6
-82.5°	116.4	101.6	96.8	92.0	96.8	101.6	116.4	130.6	144.2	156.4	157.6
-85°	57.6	49.1	45.9	42.7	45.9	49.1	57.6	65.8	73.5	80.4	77.9
-87.5°	10.6	9.9	9.9	9.9	9.9	9.9	10.6	11.3	12.0	12.7	12.5
-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: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-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°	12.3	12.1	11.9	11.6	11.3	11.0	10.7	10.4	10.0	9.7	9.3
85°	75.2	72.2	69.1	65.8	62.4	58.8	54.9	48.1	41.8	36.0	30.9
82.5°	158.0	157.3	155.0	146.1	137.1	128.1	118.6	104.4	90.5	76.9	65.1
80°	254.7	256.4	254.7	239.8	224.8	209.6	193.5	172.8	151.8	131.9	116.9
77.5°	346.8	347.2	344.4	329.6	313.3	295.5	275.3	250.3	225.4	200.2	181.0
75°	437.2	434.2	427.9	414.4	398.1	379.0	359.2	337.3	311.7	282.3	257.1
72.5°	539.7	532.7	523.1	509.7	493.9	477.1	456.4	432.2	405.5	376.2	349.6
70°	664.1	653.2	638.6	620.5	602.7	584.0	561.9	535.3	504.2	471.8	442.2
67.5°	817.9	801.0	780.5	758.5	736.4	710.4	680.7	648.2	616.1	580.1	539.5
65°	999.8	975.3	945.5	917.2	886.2	852.6	814.6	776.9	737.5	694.4	642.8
62.5°	1199.7	1168.7	1128.2	1087.1	1045.1	1001.8	955.3	909.0	862.0	811.1	753.1
60°	1411.6	1365.4	1318.8	1267.9	1212.5	1154.4	1101.6	1045.3	985.9	928.3	864.6
57.5°	1646.6	1589.7	1528.9	1463.9	1395.1	1327.3	1258.8	1188.0	1120.8	1050.6	978.6
55°	1907.0	1839.9	1763.5	1679.7	1592.9	1514.3	1428.6	1342.8	1261.8	1176.6	1097.2
52.5°	2184.5	2104.0	2015.5	1920.3	1821.5	1719.4	1615.3	1516.7	1411.3	1314.8	1218.9
50°	2470.6	2378.4	2276.3	2167.0	2057.1	1938.6	1819.5	1701.1	1581.6	1463.4	1348.4
47.5°	2761.1	2661.2	2547.8	2426.8	2301.1	2168.8	2033.2	1890.7	1758.5	1621.4	1490.9
45°	3080.5	2957.2	2830.1	2696.8	2553.1	2407.2	2255.1	2099.0	1940.0	1789.2	1636.2
42.5°	3401.7	3263.1	3116.1	2969.5	2812.7	2649.3	2479.6	2307.7	2133.0	1959.0	1791.8
40°	3721.6	3571.7	3411.4	3243.9	3072.9	2892.8	2707.1	2515.9	2326.1	2134.8	1945.6
37.5°	4048.9	3886.9	3713.3	3528.8	3337.2	3137.8	2933.4	2726.4	2517.1	2311.3	2106.1
35°	4384.6	4207.2	4015.6	3814.1	3603.3	3385.0	3160.8	2934.0	2708.9	2486.3	2264.0
32.5°	4717.3	4525.1	4318.5	4097.9	3865.9	3628.2	3387.2	3142.4	2896.0	2658.3	2421.5
30°	5052.7	4840.0	4616.1	4377.8	4126.2	3867.5	3606.3	3346.9	3084.4	2822.8	2572.3
27.5°	5381.4	5149.2	4906.0	4648.3	4379.5	4101.9	3821.4	3544.5	3264.5	2986.4	2716.3
25°	5701.3	5450.6	5182.3	4907.1	4622.1	4326.1	4024.6	3731.7	3439.2	3141.6	2845.5
22.5°	6009.1	5734.7	5445.5	5151.1	4851.3	4540.3	4218.8	3903.1	3600.5	3280.8	2971.4
20°	6293.0	5998.3	5689.5	5379.5	5062.4	4744.2	4399.7	4063.9	3738.4	3410.2	3085.5
17.5°	6544.9	6245.5	5921.5	5594.8	5257.2	4922.2	4568.7	4210.2	3865.3	3525.1	3186.0
15°	6766.9	6467.7	6139.7	5795.1	5434.7	5068.9	4711.9	4339.5	3981.0	3626.8	3278.9
12.5°	6968.5	6655.3	6327.7	5963.3	5580.7	5199.0	4827.8	4452.8	4083.8	3719.7	3362.4
10°	7149.5	6809.0	6462.3	6093.0	5702.8	5308.8	4926.6	4548.1	4171.4	3799.3	3431.3
7.5°	7273.5	6923.0	6564.8	6196.7	5805.9	5405.7	5012.1	4624.6	4239.6	3862.7	3485.1
5°	7365.1	7013.0	6653.7	6280.4	5886.0	5478.1	5075.0	4680.1	4288.2	3909.1	3523.3
2.5°	7435.4	7074.5	6714.3	6332.8	5937.8	5526.9	5120.1	4721.8	4326.8	3943.1	3557.2
0°	7485.2	7097.5	6749.2	6374.6	5970.4	5556.4	5149.0	4748.1	4350.5	3959.5	3575.0
-2.5°	7435.4	7074.5	6714.3	6332.8	5937.8	5526.9	5120.1	4721.8	4326.8	3943.1	3557.2
-5°	7365.1	7013.0	6653.7	6280.4	5886.0	5478.1	5075.0	4680.1	4288.2	3909.1	3523.3
-7.5°	7273.5	6923.0	6564.8	6196.7	5805.9	5405.7	5012.1	4624.6	4239.6	3862.7	3485.1
-10°	7149.5	6809.0	6462.3	6093.0	5702.8	5308.8	4926.6	4548.1	4171.4	3799.3	3431.3
-12.5°	6968.5	6655.3	6327.7	5963.3	5580.7	5199.0	4827.8	4452.8	4083.8	3719.7	3362.4
-15°	6766.9	6467.7	6139.7	5795.1	5434.7	5068.9	4711.9	4339.5	3981.0	3626.8	3278.9
-17.5°	6544.9	6245.5	5921.5	5594.8	5257.2	4922.2	4568.7	4210.2	3865.3	3525.1	3186.0
-20°	6293.0	5998.3	5689.5	5379.5	5062.4	4744.2	4399.7	4063.9	3738.4	3410.2	3085.5



REPORT NUMBER: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6009.1	5734.7	5445.5	5151.1	4851.3	4540.3	4218.8	3903.1	3600.5	3280.8	2971.4
-25°	5701.3	5450.6	5182.3	4907.1	4622.1	4326.1	4024.6	3731.7	3439.2	3141.6	2845.5
-27.5°	5381.4	5149.2	4906.0	4648.3	4379.5	4101.9	3821.4	3544.5	3264.5	2986.4	2716.3
-30°	5052.7	4840.0	4616.1	4377.8	4126.2	3867.5	3606.3	3346.9	3084.4	2822.8	2572.3
-32.5°	4717.3	4525.1	4318.5	4097.9	3865.9	3628.2	3387.2	3142.4	2896.0	2658.3	2421.5
-35°	4384.6	4207.2	4015.6	3814.1	3603.3	3385.0	3160.8	2934.0	2708.9	2486.3	2264.0
-37.5°	4048.9	3886.9	3713.3	3528.8	3337.2	3137.8	2933.4	2726.4	2517.1	2311.3	2106.1
-40°	3721.6	3571.7	3411.4	3243.9	3072.9	2892.8	2707.1	2515.9	2326.1	2134.8	1945.6
-42.5°	3401.7	3263.1	3116.1	2969.5	2812.7	2649.3	2479.6	2307.7	2133.0	1959.0	1791.8
-45°	3080.5	2957.2	2830.1	2696.8	2553.1	2407.2	2255.1	2099.0	1940.0	1789.2	1636.2
-47.5°	2761.1	2661.2	2547.8	2426.8	2301.1	2168.8	2033.2	1890.7	1758.5	1621.4	1490.9
-50°	2470.6	2378.4	2276.3	2167.0	2057.1	1938.6	1819.5	1701.1	1581.6	1463.4	1348.4
-52.5°	2184.5	2104.0	2015.5	1920.3	1821.5	1719.4	1615.3	1516.7	1411.3	1314.8	1218.9
-55°	1907.0	1839.9	1763.5	1679.7	1592.9	1514.3	1428.6	1342.8	1261.8	1176.6	1097.2
-57.5°	1646.6	1589.7	1528.9	1463.9	1395.1	1327.3	1258.8	1188.0	1120.8	1050.6	978.6
-60°	1411.6	1365.4	1318.8	1267.9	1212.5	1154.4	1101.6	1045.3	985.9	928.3	864.6
-62.5°	1199.7	1168.7	1128.2	1087.1	1045.1	1001.8	955.3	909.0	862.0	811.1	753.1
-65°	999.8	975.3	945.5	917.2	886.2	852.6	814.6	776.9	737.5	694.4	642.8
-67.5°	817.9	801.0	780.5	758.5	736.4	710.4	680.7	648.2	616.1	580.1	539.5
-70°	664.1	653.2	638.6	620.5	602.7	584.0	561.9	535.3	504.2	471.8	442.2
-72.5°	539.7	532.7	523.1	509.7	493.9	477.1	456.4	432.2	405.5	376.2	349.6
-75°	437.2	434.2	427.9	414.4	398.1	379.0	359.2	337.3	311.7	282.3	257.1
-77.5°	346.8	347.2	344.4	329.6	313.3	295.5	275.3	250.3	225.4	200.2	181.0
-80°	254.7	256.4	254.7	239.8	224.8	209.6	193.5	172.8	151.8	131.9	116.9
-82.5°	158.0	157.3	155.0	146.1	137.1	128.1	118.6	104.4	90.5	76.9	65.1
-85°	75.2	72.2	69.1	65.8	62.4	58.8	54.9	48.1	41.8	36.0	30.9
-87.5°	12.3	12.1	11.9	11.6	11.3	11.0	10.7	10.4	10.0	9.7	9.3
-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: P627041 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	9.4	9.5	9.5	9.4	8.4	7.4	6.4	5.5	5.0	4.5	3.9
85°	31.0	30.3	28.6	26.0	20.4	14.7	12.8	11.1	10.0	9.0	7.9
82.5°	64.9	65.5	65.5	63.5	56.0	48.2	39.9	31.4	23.3	14.8	11.8
80°	117.2	115.9	113.1	107.8	95.5	81.6	71.1	60.3	49.7	38.7	27.2
77.5°	177.1	172.1	165.9	158.9	145.8	130.5	112.9	93.0	76.1	62.5	48.4
75°	244.1	236.1	227.4	215.7	199.0	179.8	160.5	137.3	111.4	87.1	69.4
72.5°	328.2	308.7	291.3	274.9	256.7	235.4	210.7	180.8	149.4	119.7	92.0
70°	413.4	384.1	358.0	335.7	313.8	291.4	264.3	227.4	186.6	151.7	119.0
67.5°	499.8	465.2	430.3	396.8	369.3	342.9	316.8	273.9	227.1	183.0	145.5
65°	595.2	549.1	504.7	463.4	425.9	392.9	362.3	317.3	266.4	216.8	171.2
62.5°	693.5	634.6	582.1	529.4	482.7	442.6	405.8	356.2	303.9	249.5	198.1
60°	796.8	729.8	659.9	598.4	541.2	490.5	445.9	394.5	339.0	281.0	224.8
57.5°	905.6	826.8	748.3	670.5	601.9	541.1	484.9	430.8	373.5	311.9	249.6
55°	1015.8	930.9	838.1	750.4	666.2	593.9	526.2	465.7	406.8	342.4	271.1
52.5°	1126.2	1032.9	933.3	832.0	737.8	647.2	571.6	499.7	437.5	372.2	293.5
50°	1241.7	1134.7	1028.0	918.5	808.9	709.7	615.4	538.6	467.3	400.5	314.7
47.5°	1361.8	1242.7	1123.9	1004.3	886.7	769.5	666.6	576.8	496.1	426.1	334.4
45°	1493.5	1354.2	1222.7	1093.3	960.4	834.1	718.4	613.3	528.7	446.0	352.5
42.5°	1625.2	1471.9	1325.0	1181.1	1037.5	898.3	767.5	656.3	560.0	465.1	369.3
40°	1765.2	1590.1	1427.1	1271.0	1112.9	959.3	821.9	698.2	589.2	484.9	385.1
37.5°	1901.3	1711.1	1532.1	1356.9	1186.7	1025.3	874.3	737.4	616.9	507.2	400.1
35°	2045.3	1832.8	1629.2	1443.4	1262.6	1087.8	923.2	777.0	648.8	528.9	414.3
32.5°	2184.5	1951.7	1733.3	1528.6	1335.2	1146.8	973.7	818.9	679.5	549.9	427.5
30°	2321.3	2071.1	1833.2	1609.2	1405.5	1208.6	1024.2	858.1	708.9	570.2	440.7
27.5°	2447.4	2181.6	1928.8	1692.6	1474.6	1267.3	1071.9	894.5	736.7	591.1	456.1
25°	2564.9	2288.0	2023.2	1772.7	1538.7	1322.8	1115.8	928.1	765.1	612.9	470.4
22.5°	2675.1	2386.8	2108.6	1846.6	1598.0	1373.9	1158.7	963.9	791.9	633.0	483.4
20°	2775.3	2475.7	2185.2	1913.6	1655.8	1422.5	1199.9	996.0	815.9	651.2	495.2
17.5°	2865.6	2557.0	2258.3	1976.1	1709.6	1465.6	1236.5	1024.3	836.9	667.4	505.6
15°	2949.3	2630.9	2322.9	2030.8	1756.2	1503.2	1268.4	1048.8	855.0	681.5	515.4
12.5°	3021.3	2694.3	2377.7	2077.2	1795.4	1535.1	1295.4	1069.2	870.0	694.3	524.7
10°	3080.6	2746.7	2422.4	2115.2	1827.1	1561.0	1317.3	1086.4	884.0	705.3	531.9
7.5°	3126.7	2787.7	2456.9	2144.4	1852.3	1582.7	1335.9	1101.3	895.3	713.7	536.9
5°	3161.7	2819.8	2486.9	2169.0	1875.4	1600.2	1349.5	1112.0	903.5	719.6	539.7
2.5°	3192.8	2843.8	2510.5	2184.9	1891.1	1611.5	1357.7	1118.4	908.5	722.7	540.4
0°	3210.3	2855.4	2523.6	2191.7	1899.2	1616.6	1360.4	1120.5	910.2	722.9	538.9
-2.5°	3192.8	2843.8	2510.5	2184.9	1891.1	1611.5	1357.7	1118.4	908.5	722.7	540.4
-5°	3161.7	2819.8	2486.9	2169.0	1875.4	1600.2	1349.5	1112.0	903.5	719.6	539.7
-7.5°	3126.7	2787.7	2456.9	2144.4	1852.3	1582.7	1335.9	1101.3	895.3	713.7	536.9
-10°	3080.6	2746.7	2422.4	2115.2	1827.1	1561.0	1317.3	1086.4	884.0	705.3	531.9
-12.5°	3021.3	2694.3	2377.7	2077.2	1795.4	1535.1	1295.4	1069.2	870.0	694.3	524.7
-15°	2949.3	2630.9	2322.9	2030.8	1756.2	1503.2	1268.4	1048.8	855.0	681.5	515.4
-17.5°	2865.6	2557.0	2258.3	1976.1	1709.6	1465.6	1236.5	1024.3	836.9	667.4	505.6
-20°	2775.3	2475.7	2185.2	1913.6	1655.8	1422.5	1199.9	996.0	815.9	651.2	495.2



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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°	2675.1	2386.8	2108.6	1846.6	1598.0	1373.9	1158.7	963.9	791.9	633.0	483.4
-25°	2564.9	2288.0	2023.2	1772.7	1538.7	1322.8	1115.8	928.1	765.1	612.9	470.4
-27.5°	2447.4	2181.6	1928.8	1692.6	1474.6	1267.3	1071.9	894.5	736.7	591.1	456.1
-30°	2321.3	2071.1	1833.2	1609.2	1405.5	1208.6	1024.2	858.1	708.9	570.2	440.7
-32.5°	2184.5	1951.7	1733.3	1528.6	1335.2	1146.8	973.7	818.9	679.5	549.9	427.5
-35°	2045.3	1832.8	1629.2	1443.4	1262.6	1087.8	923.2	777.0	648.8	528.9	414.3
-37.5°	1901.3	1711.1	1532.1	1356.9	1186.7	1025.3	874.3	737.4	616.9	507.2	400.1
-40°	1765.2	1590.1	1427.1	1271.0	1112.9	959.3	821.9	698.2	589.2	484.9	385.1
-42.5°	1625.2	1471.9	1325.0	1181.1	1037.5	898.3	767.5	656.3	560.0	465.1	369.3
-45°	1493.5	1354.2	1222.7	1093.3	960.4	834.1	718.4	613.3	528.7	446.0	352.5
-47.5°	1361.8	1242.7	1123.9	1004.3	886.7	769.5	666.6	576.8	496.1	426.1	334.4
-50°	1241.7	1134.7	1028.0	918.5	808.9	709.7	615.4	538.6	467.3	400.5	314.7
-52.5°	1126.2	1032.9	933.3	832.0	737.8	647.2	571.6	499.7	437.5	372.2	293.5
-55°	1015.8	930.9	838.1	750.4	666.2	593.9	526.2	465.7	406.8	342.4	271.1
-57.5°	905.6	826.8	748.3	670.5	601.9	541.1	484.9	430.8	373.5	311.9	249.6
-60°	796.8	729.8	659.9	598.4	541.2	490.5	445.9	394.5	339.0	281.0	224.8
-62.5°	693.5	634.6	582.1	529.4	482.7	442.6	405.8	356.2	303.9	249.5	198.1
-65°	595.2	549.1	504.7	463.4	425.9	392.9	362.3	317.3	266.4	216.8	171.2
-67.5°	499.8	465.2	430.3	396.8	369.3	342.9	316.8	273.9	227.1	183.0	145.5
-70°	413.4	384.1	358.0	335.7	313.8	291.4	264.3	227.4	186.6	151.7	119.0
-72.5°	328.2	308.7	291.3	274.9	256.7	235.4	210.7	180.8	149.4	119.7	92.0
-75°	244.1	236.1	227.4	215.7	199.0	179.8	160.5	137.3	111.4	87.1	69.4
-77.5°	177.1	172.1	165.9	158.9	145.8	130.5	112.9	93.0	76.1	62.5	48.4
-80°	117.2	115.9	113.1	107.8	95.5	81.6	71.1	60.3	49.7	38.7	27.2
-82.5°	64.9	65.5	65.5	63.5	56.0	48.2	39.9	31.4	23.3	14.8	11.8
-85°	31.0	30.3	28.6	26.0	20.4	14.7	12.8	11.1	10.0	9.0	7.9
-87.5°	9.4	9.5	9.5	9.4	8.4	7.4	6.4	5.5	5.0	4.5	3.9
-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°	3.4	2.8	2.3	1.7	1.1	0.5	0.0
85°	6.8	5.7	4.5	3.4	2.3	1.0	0.0
82.5°	10.1	8.5	6.8	5.1	3.4	1.5	0.0
80°	15.3	11.3	9.1	6.8	4.5	2.0	0.0
77.5°	33.3	17.7	11.3	8.5	5.6	2.5	0.0
75°	50.9	30.7	14.7	10.1	6.7	3.0	0.0
72.5°	68.0	43.3	23.5	11.8	7.8	3.4	0.0
70°	85.1	55.4	32.0	14.1	8.8	3.9	0.0
67.5°	105.5	67.1	40.1	19.4	9.8	4.4	0.0
65°	125.1	80.1	47.9	24.4	10.8	4.8	0.0
62.5°	143.7	94.4	55.3	29.2	11.8	5.2	0.0
60°	161.2	107.9	62.2	33.8	12.7	5.6	0.0
57.5°	179.7	120.5	71.4	38.1	15.2	6.0	0.0
55°	197.2	132.3	80.2	42.1	17.7	6.4	0.0
52.5°	213.4	143.5	88.4	45.8	20.1	6.8	0.0
50°	228.2	155.4	96.0	49.1	22.4	7.2	0.0
47.5°	242.1	166.3	102.8	52.6	24.6	7.5	0.0
45°	257.5	176.1	109.0	57.2	26.7	7.8	0.0
42.5°	271.7	184.8	114.5	61.3	28.7	8.1	0.0
40°	284.5	192.4	120.0	65.5	30.5	8.4	0.0
37.5°	296.0	198.9	125.4	69.7	32.3	8.6	0.0
35°	306.2	206.4	130.1	73.6	33.9	8.9	0.0
32.5°	315.6	213.9	134.0	77.2	35.4	9.1	0.0
30°	325.3	220.4	137.2	80.5	36.7	9.3	0.0
27.5°	334.1	225.7	141.9	83.4	38.0	9.4	0.0
25°	341.8	229.9	146.3	86.1	39.1	9.6	0.0
22.5°	348.4	234.1	150.2	88.5	40.0	9.7	0.0
20°	353.9	239.9	153.5	90.5	40.9	9.8	0.0
17.5°	360.7	244.7	156.3	92.2	41.6	9.9	0.0
15°	367.8	248.3	158.6	93.6	42.1	10.0	0.0
12.5°	373.6	251.0	160.3	94.7	42.5	10.0	0.0
10°	378.0	252.7	161.5	95.4	42.8	10.0	0.0
7.5°	381.0	253.3	162.2	95.9	43.0	10.0	0.0
5°	382.6	253.0	162.3	96.0	43.0	10.0	0.0
2.5°	382.6	251.8	161.9	95.8	42.9	10.0	0.0
0°	381.2	249.7	161.0	95.3	42.7	9.9	0.0
-2.5°	382.6	251.8	161.9	95.8	42.9	10.0	0.0
-5°	382.6	253.0	162.3	96.0	43.0	10.0	0.0
-7.5°	381.0	253.3	162.2	95.9	43.0	10.0	0.0
-10°	378.0	252.7	161.5	95.4	42.8	10.0	0.0
-12.5°	373.6	251.0	160.3	94.7	42.5	10.0	0.0
-15°	367.8	248.3	158.6	93.6	42.1	10.0	0.0
-17.5°	360.7	244.7	156.3	92.2	41.6	9.9	0.0
-20°	353.9	239.9	153.5	90.5	40.9	9.8	0.0

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CATALOG NUMBER: GFLD-SA2E-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	348.4	234.1	150.2	88.5	40.0	9.7	0.0
-25°	341.8	229.9	146.3	86.1	39.1	9.6	0.0
-27.5°	334.1	225.7	141.9	83.4	38.0	9.4	0.0
-30°	325.3	220.4	137.2	80.5	36.7	9.3	0.0
-32.5°	315.6	213.9	134.0	77.2	35.4	9.1	0.0
-35°	306.2	206.4	130.1	73.6	33.9	8.9	0.0
-37.5°	296.0	198.9	125.4	69.7	32.3	8.6	0.0
-40°	284.5	192.4	120.0	65.5	30.5	8.4	0.0
-42.5°	271.7	184.8	114.5	61.3	28.7	8.1	0.0
-45°	257.5	176.1	109.0	57.2	26.7	7.8	0.0
-47.5°	242.1	166.3	102.8	52.6	24.6	7.5	0.0
-50°	228.2	155.4	96.0	49.1	22.4	7.2	0.0
-52.5°	213.4	143.5	88.4	45.8	20.1	6.8	0.0
-55°	197.2	132.3	80.2	42.1	17.7	6.4	0.0
-57.5°	179.7	120.5	71.4	38.1	15.2	6.0	0.0
-60°	161.2	107.9	62.2	33.8	12.7	5.6	0.0
-62.5°	143.7	94.4	55.3	29.2	11.8	5.2	0.0
-65°	125.1	80.1	47.9	24.4	10.8	4.8	0.0
-67.5°	105.5	67.1	40.1	19.4	9.8	4.4	0.0
-70°	85.1	55.4	32.0	14.1	8.8	3.9	0.0
-72.5°	68.0	43.3	23.5	11.8	7.8	3.4	0.0
-75°	50.9	30.7	14.7	10.1	6.7	3.0	0.0
-77.5°	33.3	17.7	11.3	8.5	5.6	2.5	0.0
-80°	15.3	11.3	9.1	6.8	4.5	2.0	0.0
-82.5°	10.1	8.5	6.8	5.1	3.4	1.5	0.0
-85°	6.8	5.7	4.5	3.4	2.3	1.0	0.0
-87.5°	3.4	2.8	2.3	1.7	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)