

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: P632924

Luminaire Tested: GWS-SA2D-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6316.7 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

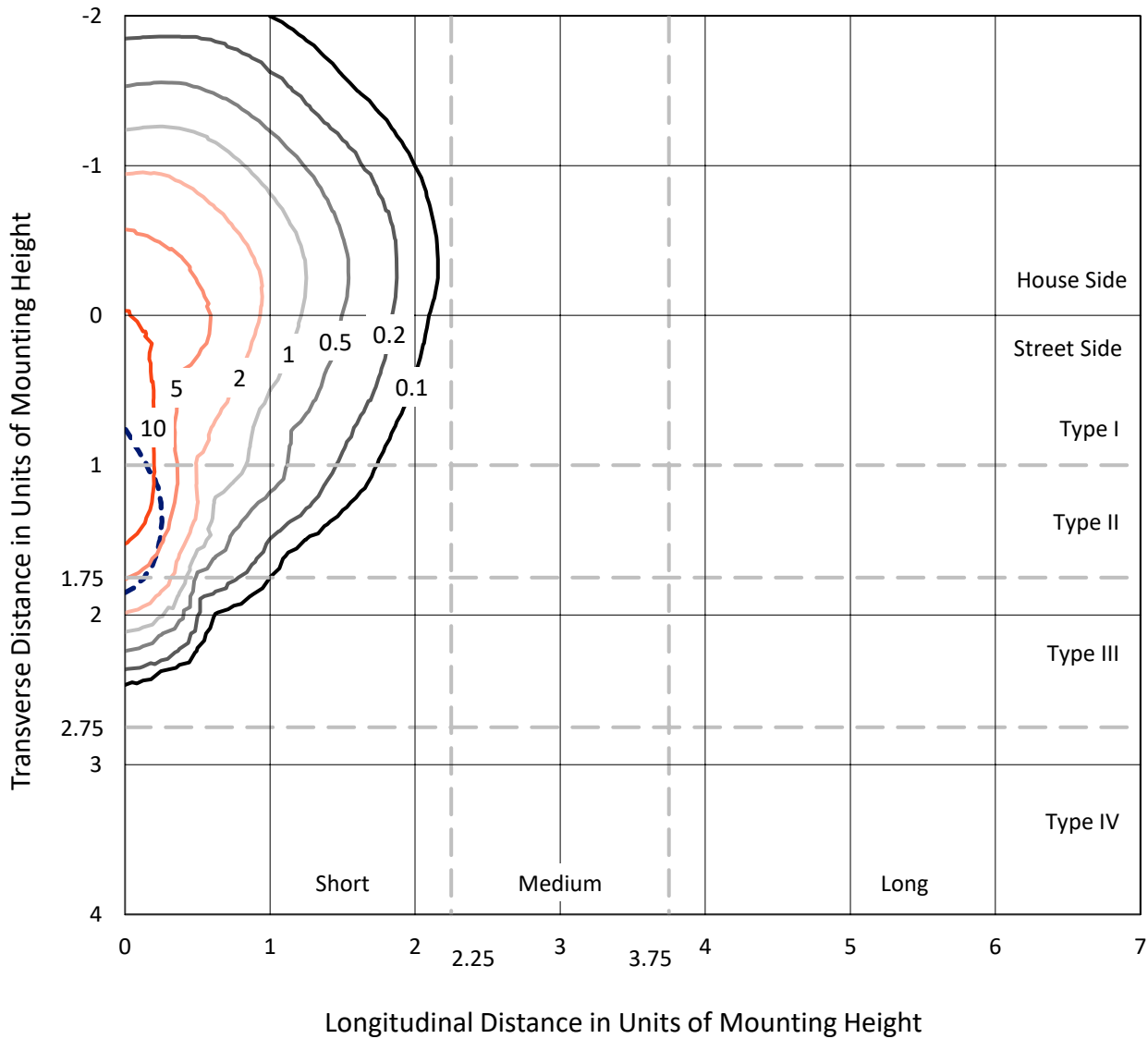
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

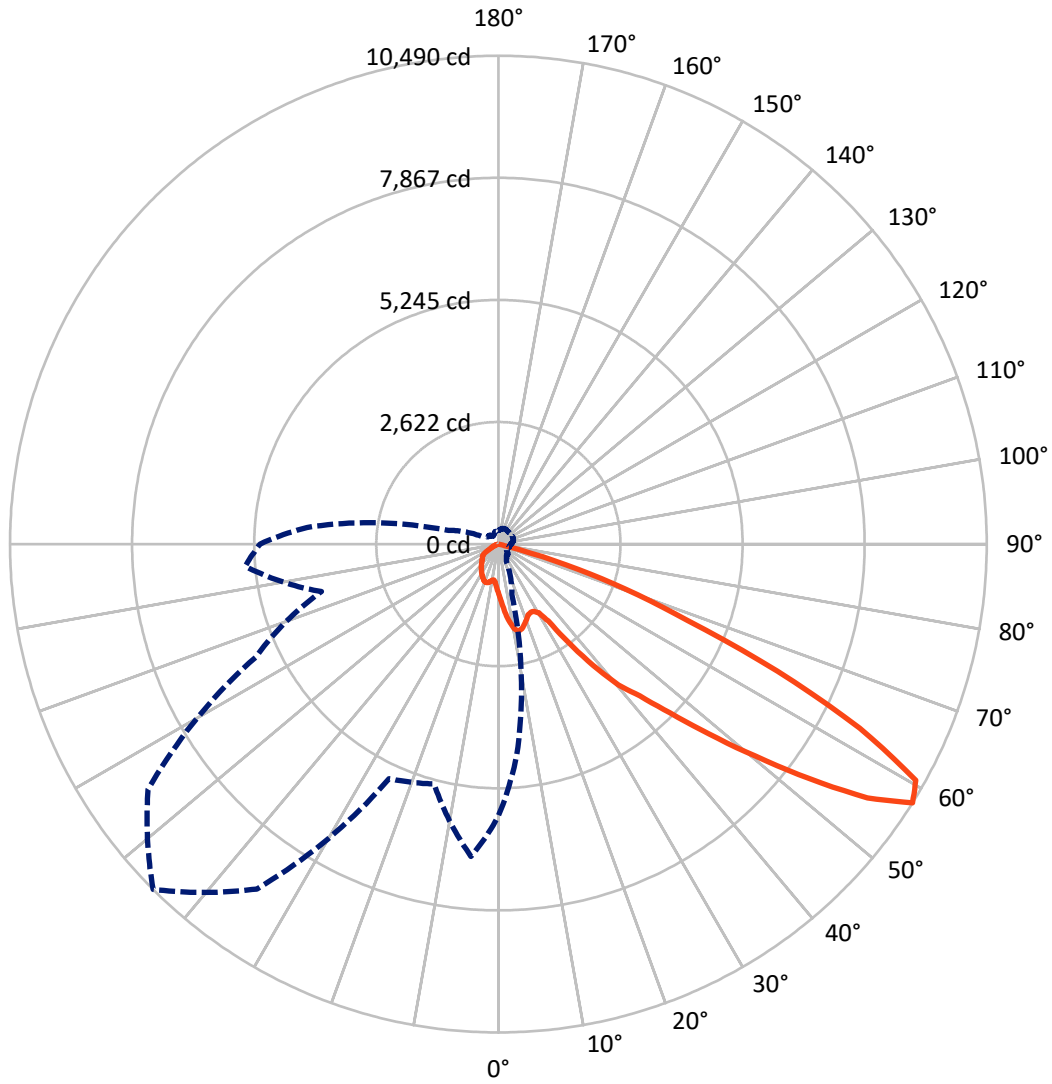
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical



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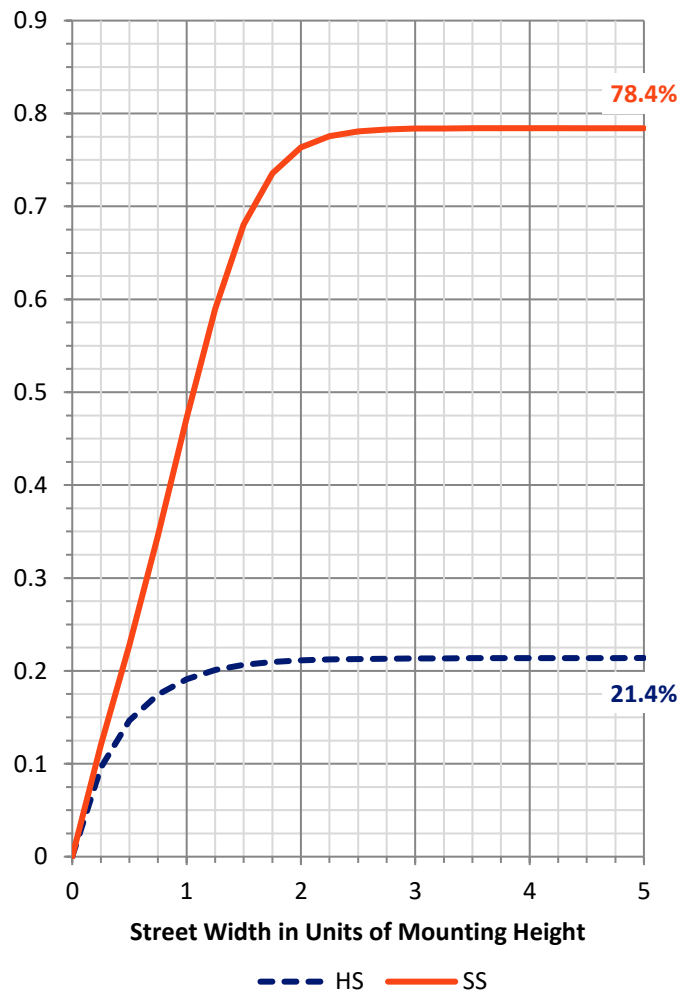
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1360.8	0.0	1360.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4955.9	0.0	4955.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	6316.7	0.0	6316.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	1.7
10°-20°	349.1	5.5
20°-30°	566.5	9.0
30°-40°	869.4	13.8
40°-50°	1388.6	22.0
50°-60°	1944.2	30.8
60°-70°	996.9	15.8
70°-80°	96.0	1.5
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6316.7	100.0
0°-180°	6316.7	100.0

Coefficient of Utilization



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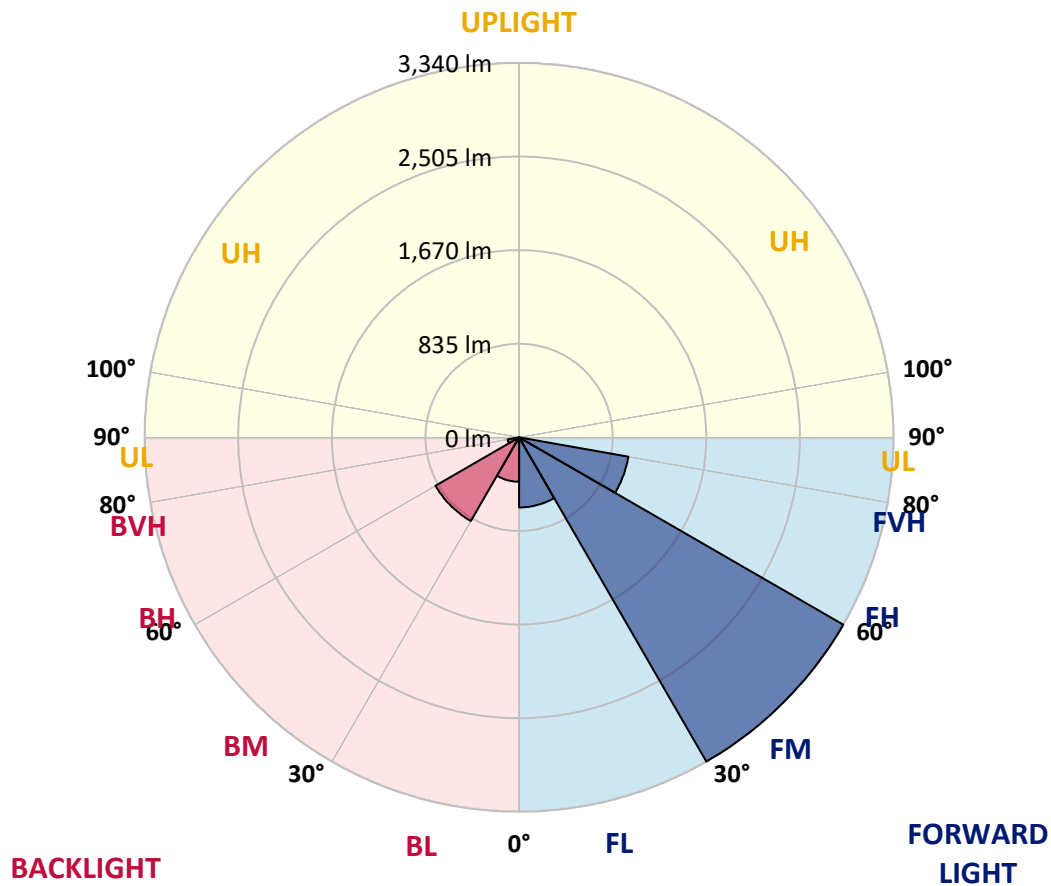
CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.4	9.9			
FM (30°-60°)	3340.4	52.9			
FH (60°-80°)	990.1	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	396.2	6.3	B1/500		
BM (30°-60°)	861.8	13.6	B1/1000		
BH (60°-80°)	102.8	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	1192.4	1189.8	1181.4	1152.7	1134.9	1107.1	1086.8	1060.6	1031.9	1014.2	996.5
5°	1319.0	1312.3	1289.5	1223.6	1172.9	1118.1	1074.1	1026.0	974.5	940.7	909.5
7.5°	1440.6	1430.5	1400.1	1288.6	1211.8	1133.3	1070.8	1000.7	928.1	877.4	838.5
10°	1559.7	1536.9	1488.8	1352.0	1248.1	1153.5	1080.1	999.8	914.5	850.4	807.3
12.5°	1657.7	1640.8	1574.9	1411.9	1278.5	1157.7	1067.4	993.1	935.7	892.6	852.9
15°	1742.1	1723.5	1661.0	1466.0	1304.7	1140.9	1014.2	949.2	958.5	975.3	941.6
17.5°	1819.8	1800.4	1732.8	1510.7	1314.8	1099.5	939.9	908.6	960.1	1023.5	1010.8
20°	1900.0	1878.1	1795.3	1547.0	1311.4	1034.5	864.7	874.0	946.6	1019.3	1026.0
22.5°	1993.8	1971.0	1874.7	1593.5	1308.9	956.8	799.7	843.6	921.3	982.9	994.8
25°	2117.9	2090.9	1985.3	1661.9	1315.7	885.8	753.3	814.1	878.2	934.0	940.7
27.5°	2281.7	2247.1	2112.8	1746.3	1330.0	830.1	733.0	773.5	823.3	873.2	879.1
30°	2495.4	2451.4	2258.9	1819.8	1323.3	791.3	719.5	733.0	762.5	803.1	803.9
32.5°	2745.3	2685.4	2422.7	1883.1	1265.0	762.5	700.9	691.6	698.4	729.6	735.5
35°	3039.2	2961.5	2603.5	1943.1	1158.6	706.8	667.1	635.9	633.3	648.5	662.9
37.5°	3376.1	3283.2	2831.5	2019.9	1032.8	648.5	617.3	586.1	572.5	580.1	602.1
40°	3686.9	3583.9	3069.6	2112.8	904.4	596.2	559.0	526.9	510.9	513.4	540.5
42.5°	4051.7	3945.3	3360.9	2234.4	798.0	560.7	498.2	465.3	444.2	456.0	487.2
45°	4605.7	4484.9	3785.7	2340.0	713.6	552.3	445.0	398.6	388.4	408.7	445.9
47.5°	5362.3	5214.5	4369.2	2404.2	641.8	559.9	407.9	344.5	347.1	369.9	407.0
50°	6113.0	5953.4	5043.9	2319.7	582.7	544.7	389.3	302.3	318.4	338.6	372.4
52.5°	6629.0	6421.2	5372.4	2075.7	528.6	487.2	387.6	262.6	293.0	299.8	328.5
55°	6649.2	6393.4	5204.4	1636.6	455.2	411.2	369.9	229.7	265.2	267.7	292.2
57.5°	5828.4	5597.0	4548.2	1124.0	404.5	301.5	294.7	201.0	217.9	239.0	254.2
60°	4434.2	4237.5	3401.5	515.1	307.4	191.7	201.8	173.1	163.0	194.2	209.4
62.5°	2715.8	2589.9	2040.2	228.0	195.9	102.2	122.4	137.6	122.4	134.3	146.9
65°	1078.4	1022.6	774.4	97.1	80.2	51.5	55.7	80.2	86.1	94.6	106.4
67.5°	187.5	177.3	130.0	43.1	32.9	31.2	27.0	37.2	52.4	58.3	67.6
70°	24.5	23.6	21.1	17.7	16.9	15.2	11.8	23.6	35.5	37.2	43.1
72.5°	5.9	5.1	5.1	4.2	5.1	1.7	1.7	12.7	25.3	26.2	30.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	16.0	17.7	21.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
80°	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
85°	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
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	982.1	965.2	959.3	950.9	939.9	943.3	928.1	923.0	930.6	940.7	938.2
5°	892.6	874.0	861.3	841.9	838.5	830.9	825.9	819.1	827.6	839.4	841.9
7.5°	821.7	805.6	792.9	787.0	782.8	779.4	769.3	764.2	764.2	769.3	773.5
10°	791.3	779.4	776.9	778.6	785.3	784.5	775.2	768.5	760.0	755.8	760.9
12.5°	833.5	814.1	810.7	811.5	820.0	819.1	809.0	800.5	798.9	800.5	816.6
15°	905.3	875.7	853.7	849.5	853.7	852.1	844.5	839.4	841.9	866.4	893.4
17.5°	969.4	923.8	884.1	868.9	868.1	865.6	858.0	856.3	868.9	914.5	954.2
20°	988.0	943.3	886.7	867.3	863.0	860.5	852.1	854.6	870.6	925.5	959.3
22.5°	963.5	920.5	861.3	841.9	838.5	837.7	829.3	832.6	846.1	894.3	922.1
25°	917.1	880.8	819.1	802.2	802.2	800.5	792.9	794.6	803.1	845.3	872.3
27.5°	860.5	825.9	774.4	757.5	760.0	762.5	753.3	750.7	757.5	797.2	813.2
30°	795.5	771.0	730.5	715.3	714.4	724.5	711.9	708.5	717.8	749.0	752.4
32.5°	732.1	720.3	691.6	679.8	680.6	682.3	675.6	675.6	684.0	700.9	700.1
35°	670.5	662.9	657.8	649.4	648.5	645.2	645.2	646.9	656.1	662.1	651.1
37.5°	611.4	619.0	624.9	616.5	609.7	609.7	609.7	617.3	625.7	623.2	604.6
40°	559.0	575.1	593.7	584.4	568.3	567.5	570.9	583.5	596.2	581.0	564.1
42.5°	514.3	534.5	560.7	555.7	537.9	535.4	537.9	554.0	564.1	544.7	526.1
45°	470.4	495.7	526.9	526.9	507.5	505.0	505.8	526.9	532.9	510.1	486.4
47.5°	433.2	461.1	494.0	494.0	478.0	472.9	477.1	499.1	503.3	471.2	449.2
50°	397.7	428.1	464.4	461.9	450.9	446.7	454.3	478.0	472.9	437.4	414.6
52.5°	353.0	385.1	434.9	437.4	431.5	432.4	441.6	456.8	442.5	399.4	380.0
55°	312.4	345.4	395.2	408.7	408.7	407.9	412.1	423.9	412.1	360.6	336.9
57.5°	268.5	296.4	337.8	341.2	343.7	334.4	340.3	356.4	350.4	306.5	293.0
60°	220.4	244.0	267.7	270.2	259.2	239.8	250.8	269.4	273.6	240.7	225.5
62.5°	156.2	179.0	206.9	206.9	195.9	176.5	190.8	206.9	201.0	167.2	157.9
65°	116.5	137.6	158.8	168.0	158.8	145.2	156.2	168.0	158.8	130.9	117.4
67.5°	75.2	89.5	102.2	109.8	111.5	109.8	114.8	111.5	100.5	81.9	74.3
70°	45.6	53.2	60.0	66.7	71.8	74.3	76.8	69.2	58.3	48.1	45.6
72.5°	32.9	39.7	45.6	50.7	56.6	58.3	58.3	53.2	43.1	33.8	31.2
75°	22.8	28.7	33.8	37.2	42.2	43.9	43.9	39.7	32.1	24.5	22.0
77.5°	0.8	5.9	5.9	5.1	6.8	8.4	8.4	10.1	9.3	6.8	5.9
80°	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
85°	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
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	943.3	973.7	982.1	1013.3	1041.2	1069.1	1102.9	1123.1	1153.5	1174.6	1186.5
5°	850.4	875.7	906.1	952.5	1000.7	1053.9	1118.1	1173.8	1243.9	1295.4	1312.3
7.5°	782.8	815.7	851.2	909.5	975.3	1046.3	1136.6	1227.8	1335.1	1405.2	1449.9
10°	770.1	803.9	851.2	908.6	977.9	1058.9	1169.6	1287.8	1422.1	1507.4	1558.0
12.5°	830.9	867.3	887.5	913.7	966.1	1056.4	1198.3	1348.6	1506.5	1599.4	1653.4
15°	920.5	952.5	919.6	886.7	920.5	1029.4	1214.3	1399.3	1580.8	1688.1	1743.8
17.5°	982.1	984.6	912.9	842.8	852.1	980.4	1220.2	1449.9	1660.2	1772.5	1830.8
20°	976.2	955.9	883.3	805.6	776.9	917.1	1213.5	1494.7	1740.4	1857.8	1915.2
22.5°	930.6	906.9	845.3	769.3	713.6	841.9	1201.7	1535.2	1813.9	1947.3	2001.4
25°	875.7	850.4	799.7	733.0	673.0	769.3	1192.4	1591.0	1906.8	2063.8	2106.1
27.5°	811.5	789.6	746.5	698.4	656.1	714.4	1189.8	1664.4	2019.1	2205.7	2235.3
30°	749.0	728.8	695.0	667.1	649.4	682.3	1181.4	1743.0	2153.4	2368.7	2400.8
32.5°	689.1	668.8	647.7	643.5	644.3	670.5	1152.7	1820.6	2313.0	2605.1	2628.8
35°	637.6	613.9	605.5	615.6	634.2	650.2	1071.6	1884.8	2484.4	2862.7	2882.1
37.5°	588.6	564.9	564.1	588.6	608.9	619.0	976.2	1948.2	2715.8	3124.5	3149.0
40°	543.8	520.2	528.6	558.2	574.2	579.3	860.5	2044.4	2960.7	3400.6	3387.1
42.5°	505.8	481.3	486.4	524.4	538.8	552.3	754.1	2124.6	3196.3	3662.4	3658.2
45°	468.7	450.1	446.7	488.1	500.8	554.8	676.4	2186.3	3499.4	3996.0	4002.7
47.5°	432.4	418.0	418.8	436.6	467.8	567.5	610.5	2226.8	3939.4	4524.6	4407.2
50°	399.4	388.4	397.7	377.5	446.7	551.4	554.0	2218.4	4430.8	5031.3	4795.7
52.5°	363.1	360.6	364.8	315.8	412.9	486.4	500.8	2106.1	4661.4	5377.5	5243.2
55°	326.0	325.1	291.3	252.5	345.4	388.4	429.0	1757.3	4653.8	5561.6	5724.6
57.5°	282.0	275.3	221.2	206.0	268.5	270.2	391.0	1151.0	4124.3	5120.8	5458.6
60°	213.6	208.6	162.1	167.2	187.5	173.1	311.6	573.4	3082.3	3989.2	4370.0
62.5°	147.8	141.0	120.8	129.2	120.8	98.8	190.8	283.7	1867.1	2519.0	2864.4
65°	108.1	100.5	82.8	70.9	56.6	56.6	72.6	108.9	722.9	1070.8	1291.2
67.5°	66.7	63.3	49.0	35.5	34.6	37.2	38.0	54.0	116.5	185.8	227.2
70°	43.1	39.7	32.9	22.8	21.1	22.0	22.8	25.3	29.6	32.1	38.8
72.5°	29.6	27.9	23.6	12.7	10.1	11.0	11.8	11.8	14.4	13.5	16.0
75°	21.1	19.4	16.9	5.9	3.4	4.2	5.1	4.2	5.1	3.4	4.2
77.5°	5.9	5.9	4.2	0.8	0.0	0.8	1.7	1.7	0.8	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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
85°	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
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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CATALOG NUMBER: GWS-SA2D-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	1216.9	1236.3	1243.9	1232.9	1242.2	1227.0	1221.1	1198.3	1196.6	1192.4
5°	1380.7	1424.6	1450.8	1466.8	1448.2	1428.0	1397.6	1345.2	1329.2	1319.0
7.5°	1542.0	1610.4	1655.1	1676.2	1671.2	1629.8	1574.9	1487.1	1455.8	1440.6
10°	1682.2	1765.8	1819.8	1846.0	1835.0	1798.7	1720.2	1610.4	1569.0	1559.7
12.5°	1780.1	1857.0	1894.1	1916.9	1917.8	1903.4	1829.1	1718.5	1669.5	1657.7
15°	1841.8	1874.7	1875.5	1889.0	1912.7	1944.8	1910.2	1812.2	1759.8	1742.1
17.5°	1880.6	1844.3	1807.1	1810.5	1849.4	1934.6	1970.1	1895.0	1839.2	1819.8
20°	1908.5	1793.6	1724.4	1725.2	1764.9	1894.1	2011.5	1975.2	1917.8	1900.0
22.5°	1926.2	1748.9	1650.1	1647.5	1689.8	1846.0	2049.5	2070.6	2014.0	1993.8
25°	1962.5	1727.8	1605.3	1619.7	1656.8	1830.8	2101.0	2197.3	2144.9	2117.9
27.5°	2027.5	1748.9	1601.1	1634.0	1676.2	1875.5	2190.5	2366.2	2312.1	2281.7
30°	2139.8	1828.2	1666.1	1711.7	1762.4	1992.9	2340.8	2601.8	2524.1	2495.4
32.5°	2320.6	1992.9	1867.1	1965.0	2014.0	2185.4	2566.3	2866.1	2802.7	2745.3
35°	2569.7	2368.7	2354.3	2582.3	2570.5	2550.3	2843.3	3190.3	3094.9	3039.2
37.5°	2912.5	2973.3	3079.7	3306.0	3298.4	3143.9	3207.2	3496.9	3447.9	3376.1
40°	3340.7	3469.9	3650.6	3974.8	3873.5	3679.3	3654.0	3811.0	3771.3	3686.9
42.5°	3593.2	3816.1	4160.6	4452.0	4370.9	4031.4	4002.7	4230.7	4143.7	4051.7
45°	3710.5	4098.1	4773.7	5168.1	4922.3	4265.3	4254.4	4777.9	4728.9	4605.7
47.5°	3764.6	4382.7	5491.5	6088.5	5629.1	4470.5	4430.8	5571.7	5507.5	5362.3
50°	3824.5	4775.4	6356.2	7155.1	6482.9	4702.8	4731.5	6311.4	6284.4	6113.0
52.5°	3956.3	5190.9	7421.1	8374.4	7518.2	5066.7	5247.4	7009.0	6826.6	6629.0
55°	4153.9	5643.5	8529.0	9620.0	8574.6	5555.7	5805.6	7379.7	6867.9	6649.2
57.5°	3935.2	5756.6	9185.1	10489.8	9043.3	5557.4	5333.6	6737.1	6040.4	5828.4
60°	3122.8	5355.5	8932.6	10301.5	8643.8	4935.0	4083.8	5260.1	4576.1	4434.2
62.5°	2111.1	4491.7	7863.6	8712.2	7398.3	3882.0	2654.1	3420.9	2833.1	2715.8
65°	1156.9	3350.8	6353.7	6591.0	5790.4	2711.5	1365.5	1484.5	1130.7	1078.4
67.5°	319.2	2332.4	4674.9	4372.6	4062.7	1765.8	353.0	265.2	189.2	187.5
70°	80.2	1542.8	2801.1	2887.2	2491.1	1130.7	67.6	32.1	25.3	24.5
72.5°	33.8	663.7	1329.2	1527.6	1275.1	523.6	24.5	9.3	7.6	5.9
75°	4.2	53.2	113.2	171.4	117.4	56.6	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
80°	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
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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