

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: P632928

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT 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: 6284.6 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

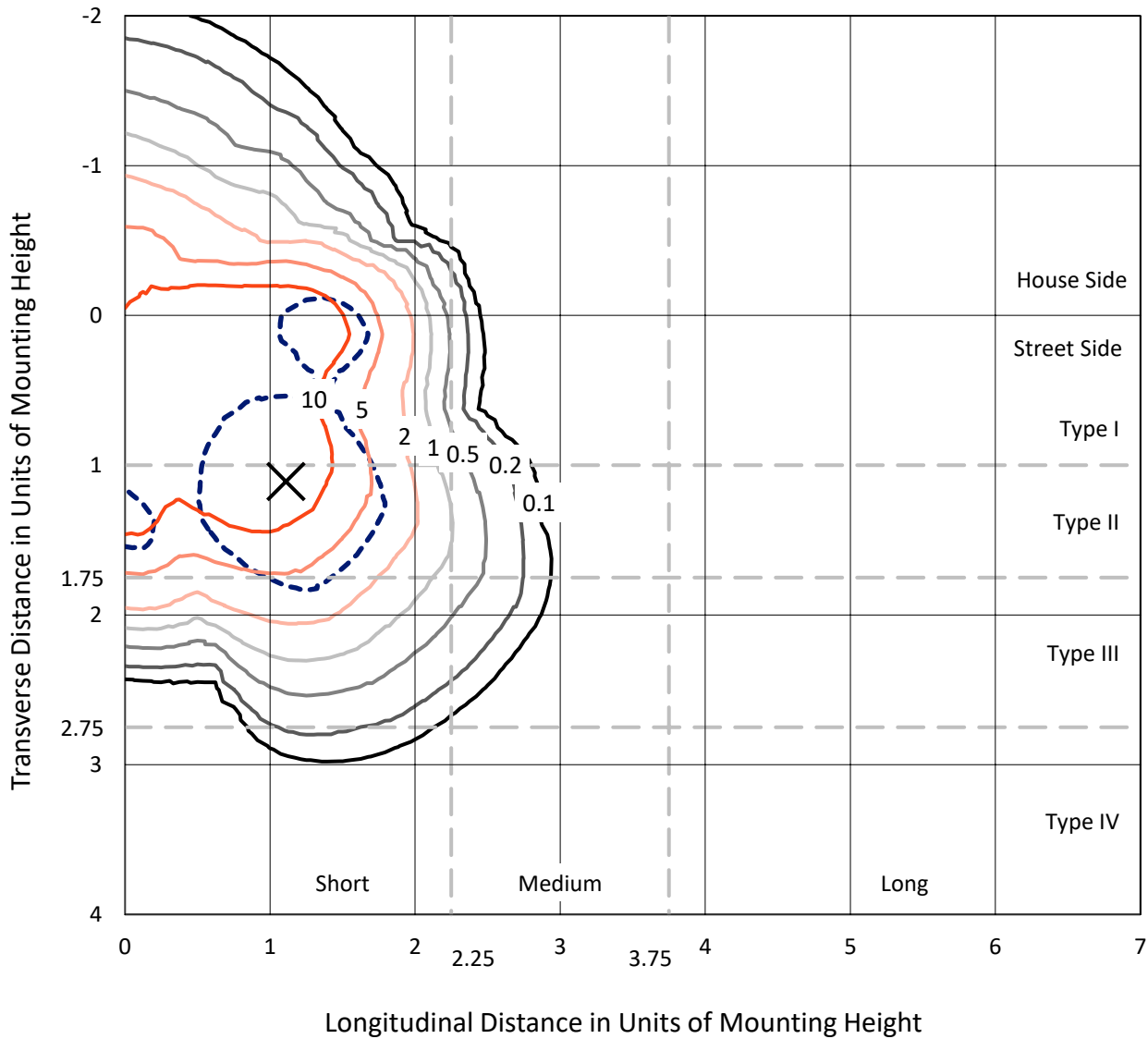
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

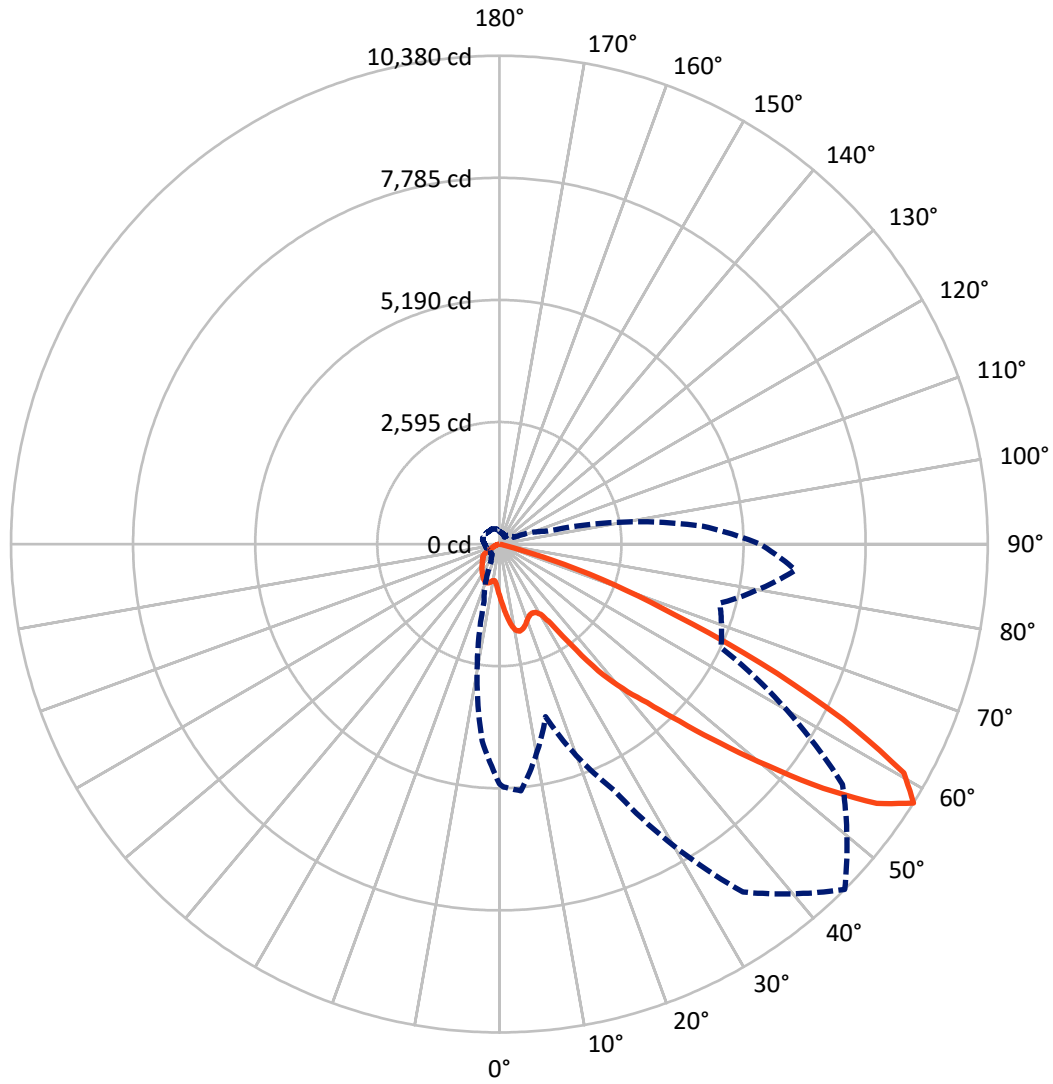
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.3	0.0	1407.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	4877.3	0.0	4877.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	6284.6	0.0	6284.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	1.7
10°-20°	351.5	5.6
20°-30°	571.0	9.1
30°-40°	882.3	14.0
40°-50°	1414.8	22.5
50°-60°	1933.7	30.8
60°-70°	936.5	14.9
70°-80°	85.7	1.4
80°-90°	0.2	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°	6284.6	100.0
0°-180°	6284.6	100.0

Coefficient of Utilization



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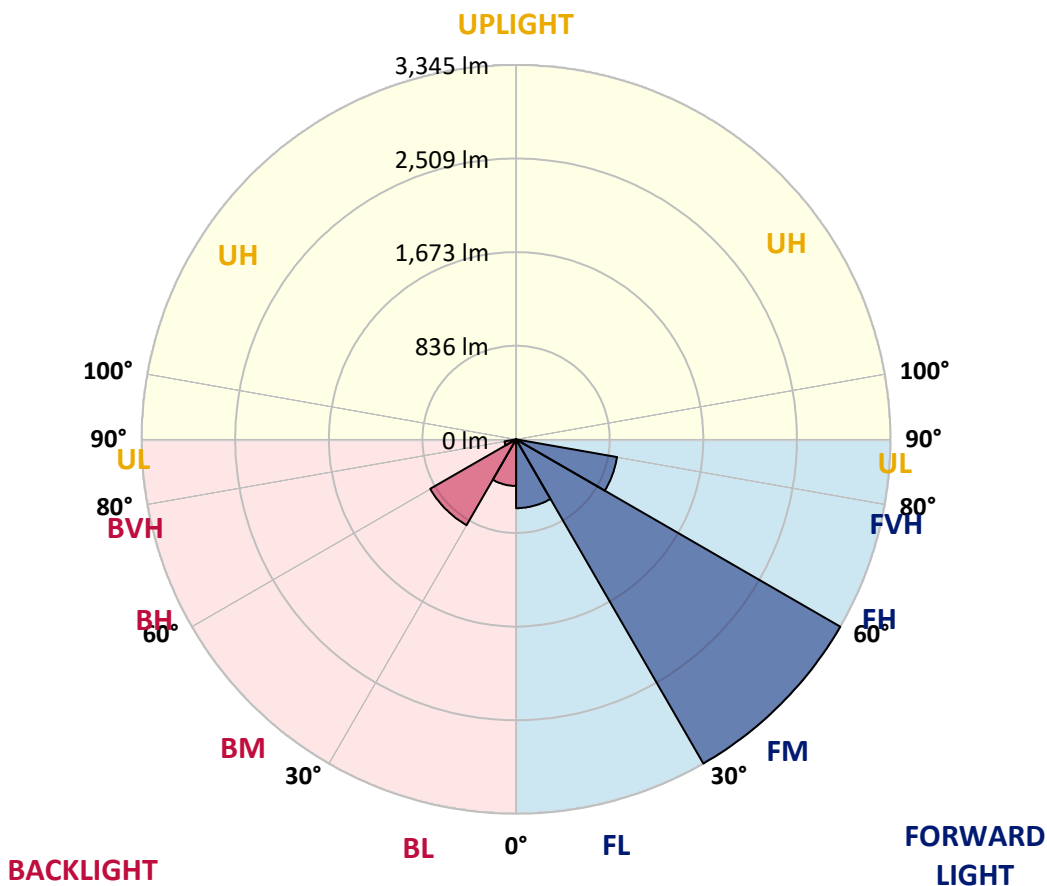
CATALOG NUMBER: GWS-SA2D-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.8	9.8			
FM (30°-60°)	3345.4	53.2			
FH (60°-80°)	916.8	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	416.4	6.6	B1/500		
BM (30°-60°)	885.4	14.1	B1/1000		
BH (60°-80°)	105.5	1.7	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°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6
2.5°	1196.6	1204.2	1216.9	1243.9	1266.7	1281.9	1288.7	1287.0	1277.7	1270.9	1257.4
5°	1325.0	1325.0	1349.5	1411.1	1458.4	1488.0	1503.2	1493.9	1475.3	1445.8	1400.2
7.5°	1437.3	1441.5	1482.9	1570.7	1642.5	1684.7	1709.2	1704.2	1671.2	1614.7	1523.5
10°	1525.1	1530.2	1585.1	1692.3	1776.8	1819.9	1856.2	1859.6	1823.2	1748.1	1643.4
12.5°	1610.4	1615.5	1672.9	1776.0	1850.3	1868.0	1900.1	1912.8	1903.5	1850.3	1741.3
15°	1702.5	1714.3	1763.3	1840.1	1871.4	1850.3	1871.4	1894.2	1925.4	1920.4	1822.4
17.5°	1792.8	1801.3	1851.1	1878.1	1843.5	1788.6	1798.8	1825.8	1896.7	1966.0	1902.6
20°	1876.4	1888.3	1929.6	1894.2	1789.5	1704.2	1705.0	1740.5	1848.6	1993.8	1984.5
22.5°	1964.3	1982.0	2011.6	1911.9	1739.6	1637.5	1641.7	1673.8	1810.6	2020.0	2077.4
25°	2079.1	2096.0	2115.4	1955.8	1723.6	1604.5	1620.6	1650.1	1810.6	2064.8	2192.3
27.5°	2234.5	2246.3	2247.2	2037.7	1751.5	1609.6	1643.4	1677.1	1864.6	2154.3	2346.0
30°	2429.6	2448.2	2423.7	2165.3	1838.4	1677.1	1727.0	1769.2	1981.2	2305.4	2572.3
32.5°	2666.9	2693.1	2660.1	2354.4	2020.0	1910.2	2000.6	2025.1	2166.9	2524.2	2829.0
35°	2945.6	2967.5	2932.1	2616.2	2443.9	2464.2	2628.0	2596.8	2540.2	2793.6	3128.8
37.5°	3251.3	3271.5	3203.1	3013.1	3070.5	3158.4	3420.2	3312.9	3130.5	3140.6	3453.9
40°	3531.6	3553.6	3446.3	3444.7	3562.9	3723.3	4039.2	3891.4	3643.1	3595.0	3758.8
42.5°	3822.1	3837.3	3740.2	3674.4	3942.9	4273.1	4607.5	4408.2	3982.6	3930.2	4140.5
45°	4236.8	4268.9	4095.8	3787.5	4284.9	4905.6	5371.8	4982.5	4214.0	4171.8	4724.9
47.5°	4846.5	4870.1	4517.1	3858.5	4603.3	5693.5	6326.9	5727.3	4417.5	4321.2	5523.8
50°	5350.7	5366.7	4904.8	3936.1	4941.9	6543.1	7415.4	6610.6	4646.4	4568.7	6269.5
52.5°	5722.2	5783.0	5414.0	4095.8	5387.0	7542.1	8620.5	7656.9	5003.6	5046.6	6887.6
55°	5799.1	5881.8	5761.9	4193.7	5778.8	8559.7	9733.5	8593.5	5359.9	5408.9	7095.4
57.5°	5096.5	5162.3	5262.0	3798.5	5769.5	9025.9	10379.6	8904.2	5197.8	4850.7	6317.6
60°	3817.9	3863.5	4044.2	2903.3	5305.9	8613.7	9876.2	8375.6	4545.0	3701.4	4813.6
62.5°	2264.1	2284.3	2513.2	1880.7	4404.0	7418.0	8190.7	7227.1	3591.6	2489.5	2948.1
65°	869.0	860.5	1035.3	928.1	3238.6	5908.9	6092.1	5509.4	2464.2	1140.9	1124.0
67.5°	134.3	128.4	173.1	274.5	2335.8	4094.9	4019.7	3970.8	1543.7	266.0	232.2
70°	30.4	30.4	37.2	81.1	1427.2	2405.9	2574.8	2454.9	988.0	56.6	30.4
72.5°	14.4	14.4	17.7	34.6	516.8	991.4	1155.3	1137.5	320.9	18.6	11.0
75°	5.1	5.9	5.9	7.6	31.2	51.5	118.2	84.4	20.3	0.0	0.0
77.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.8	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°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6
2.5°	1227.9	1222.0	1200.0	1170.5	1141.7	1116.4	1090.2	1059.0	1036.2	1010.0	1001.6
5°	1364.7	1327.5	1267.6	1205.1	1147.7	1098.7	1051.4	1000.7	963.6	926.4	913.7
7.5°	1480.4	1425.5	1328.4	1234.6	1156.1	1086.9	1018.4	949.2	895.2	851.2	837.7
10°	1584.3	1520.9	1390.9	1275.2	1176.4	1096.1	1013.4	926.4	856.3	803.9	791.3
12.5°	1673.8	1600.3	1444.1	1305.6	1184.8	1092.8	1012.5	943.3	880.0	820.0	803.9
15°	1748.9	1667.9	1488.8	1325.8	1172.1	1050.5	980.4	969.5	964.4	898.5	867.3
17.5°	1822.4	1731.2	1525.1	1335.1	1136.7	976.2	925.6	975.4	1028.6	985.5	945.8
20°	1899.2	1795.4	1562.3	1336.8	1077.6	892.6	884.2	962.7	1030.3	1016.8	979.6
22.5°	1989.6	1875.6	1608.7	1336.0	1003.2	821.7	853.8	938.2	993.1	992.3	962.7
25°	2120.5	1976.9	1671.2	1341.0	922.2	766.8	820.0	896.8	941.6	939.9	915.4
27.5°	2260.7	2097.7	1752.3	1353.7	852.9	734.7	780.3	840.3	879.1	877.4	856.3
30°	2457.5	2237.0	1830.0	1354.6	803.1	717.8	736.4	777.8	814.9	810.7	794.7
32.5°	2696.4	2394.1	1895.0	1306.4	771.9	701.8	690.8	711.9	740.6	734.7	730.5
35°	2985.3	2580.7	1950.8	1200.9	723.7	669.7	640.1	644.3	664.6	668.0	666.3
37.5°	3314.6	2802.8	2020.0	1061.5	658.7	623.2	583.5	580.2	592.0	603.0	611.4
40°	3639.7	3052.8	2113.7	920.5	599.6	564.1	526.1	517.7	522.7	542.2	559.9
42.5°	4005.4	3342.5	2215.1	799.7	559.0	499.1	462.8	446.7	461.1	492.3	513.4
45°	4532.3	3748.7	2313.9	703.5	542.2	441.7	392.7	391.0	407.0	447.6	471.2
47.5°	5272.1	4273.9	2378.9	628.3	541.3	396.9	338.6	348.8	367.4	407.0	434.1
50°	5993.3	4931.8	2307.1	570.9	523.6	367.4	298.1	318.4	336.9	371.6	399.4
52.5°	6428.2	5285.6	2027.6	516.8	468.7	353.8	258.4	293.9	297.3	328.5	358.1
55°	6382.6	5056.8	1553.0	433.2	387.6	334.4	217.0	265.2	266.9	290.5	315.8
57.5°	5539.8	4341.5	1066.6	351.3	291.3	276.1	179.0	223.8	239.8	254.2	272.8
60°	4128.7	3167.7	475.4	285.4	184.9	186.6	152.9	168.9	193.4	210.3	226.3
62.5°	2433.0	1822.4	193.4	171.4	102.2	117.4	123.3	123.3	138.5	151.2	161.3
65°	919.6	637.6	78.5	86.1	53.2	54.9	72.6	89.5	101.3	112.3	125.8
67.5°	161.3	111.5	40.5	32.1	31.2	27.9	37.2	58.3	65.0	73.5	79.4
70°	27.0	22.8	16.9	16.0	14.4	15.2	24.5	41.4	45.6	48.1	50.7
72.5°	7.6	6.8	5.1	4.2	3.4	4.2	15.2	32.1	33.8	35.5	38.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.9	22.8	24.5	25.3	27.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	6.8	8.4	6.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6
2.5°	996.5	979.6	970.3	965.2	965.2	958.5	950.9	948.4	959.3	959.3	977.9
5°	897.7	884.2	869.0	859.7	845.3	847.9	839.4	838.6	849.6	854.6	874.0
7.5°	829.3	812.4	803.1	797.2	789.6	786.2	778.6	776.1	782.0	790.4	809.0
10°	783.7	781.1	780.3	784.5	784.5	780.3	773.5	769.3	771.0	787.1	808.2
12.5°	795.5	800.6	802.3	809.0	812.4	809.0	803.9	805.6	816.6	846.2	877.4
15°	847.0	842.8	841.1	844.5	847.0	843.6	842.0	854.6	892.6	934.8	970.3
17.5°	901.9	874.9	863.1	863.1	864.8	863.1	864.8	889.2	950.9	993.1	1019.3
20°	929.8	880.0	861.4	857.2	860.5	861.4	867.3	895.2	962.7	992.3	998.2
22.5°	921.3	858.8	837.7	834.4	837.7	841.1	847.0	870.7	934.0	949.2	946.7
25°	879.1	817.5	800.6	800.6	808.2	807.3	809.9	826.8	879.1	888.4	884.2
27.5°	825.9	767.6	753.3	761.7	768.5	766.8	767.6	782.0	820.8	823.4	819.2
30°	771.9	721.2	707.7	717.8	727.1	725.4	726.3	740.6	765.1	762.6	756.7
32.5°	717.0	679.8	669.7	675.6	689.9	688.3	691.6	706.8	716.1	705.1	698.4
35°	666.3	646.9	639.3	642.7	653.6	656.2	662.1	672.2	672.2	658.7	646.9
37.5°	619.0	616.5	611.4	607.2	617.3	624.9	633.4	645.2	628.3	608.9	597.9
40°	575.1	586.1	579.3	568.3	574.2	585.2	602.1	611.4	591.1	571.7	553.1
42.5°	534.6	553.1	550.6	537.1	542.2	552.3	571.7	579.3	555.7	533.7	516.0
45°	495.7	521.9	523.6	506.7	511.8	521.9	544.7	547.2	516.8	493.2	480.5
47.5°	461.9	490.6	491.5	478.8	480.5	494.9	516.0	516.8	482.2	460.2	444.2
50°	429.8	462.8	465.3	454.3	456.0	472.9	490.6	487.3	450.1	427.3	413.0
52.5°	391.0	435.8	441.7	436.6	443.4	456.9	467.8	456.0	413.0	390.2	377.5
55°	348.8	407.0	419.7	416.3	423.9	434.9	437.4	429.8	375.8	353.0	341.2
57.5°	299.8	335.3	357.2	350.5	356.4	367.4	375.0	369.0	328.5	310.8	300.6
60°	248.3	271.9	277.0	266.0	260.9	280.4	298.1	290.5	255.9	244.9	233.1
62.5°	181.6	208.6	212.0	197.6	191.7	212.8	228.0	220.4	182.4	170.6	161.3
65°	145.3	170.6	177.3	163.8	160.5	176.5	185.8	167.2	140.2	127.5	117.4
67.5°	95.4	115.7	133.4	132.6	125.8	130.9	124.1	108.9	89.5	82.8	76.0
70°	59.1	70.9	81.9	86.1	85.3	83.6	74.3	63.3	57.4	54.9	51.5
72.5°	45.6	57.4	65.9	68.4	69.2	66.7	59.1	49.0	43.1	39.7	37.2
75°	33.8	43.1	49.8	53.2	54.9	53.2	45.6	38.8	32.9	30.4	27.9
77.5°	11.8	14.4	17.7	19.4	18.6	17.7	16.0	16.0	12.7	11.8	10.1
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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CATALOG NUMBER: GWS-SA2D-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6
2.5°	999.0	1014.2	1042.1	1067.4	1094.5	1122.3	1152.7	1184.0	1198.3	1196.6
5°	903.6	936.5	982.1	1032.0	1087.7	1147.7	1214.4	1282.8	1312.3	1325.0
7.5°	843.6	890.1	950.0	1013.4	1086.9	1172.1	1272.6	1379.9	1423.0	1437.3
10°	851.2	905.3	955.1	1016.8	1095.3	1205.9	1330.9	1458.4	1509.1	1525.1
12.5°	912.9	924.7	938.2	988.9	1087.7	1231.3	1384.1	1536.1	1594.4	1610.4
15°	968.6	913.7	888.4	934.8	1060.7	1249.0	1438.2	1619.7	1683.9	1702.5
17.5°	971.2	888.4	831.8	868.1	1016.8	1256.6	1491.4	1705.0	1775.1	1792.8
20°	939.9	860.5	787.9	788.7	956.8	1254.9	1535.3	1781.9	1860.4	1876.4
22.5°	894.3	827.6	752.4	726.3	892.6	1251.5	1583.4	1863.8	1949.1	1964.3
25°	843.6	785.4	718.7	679.0	828.4	1254.9	1651.0	1971.0	2064.8	2079.1
27.5°	788.7	738.9	692.5	660.4	774.4	1267.6	1732.0	2107.8	2219.3	2234.5
30°	731.3	694.2	675.6	656.2	740.6	1270.9	1819.9	2267.4	2408.5	2429.6
32.5°	674.7	654.5	655.3	658.7	708.5	1247.3	1900.1	2444.8	2633.1	2666.9
35°	622.4	616.5	633.4	650.3	662.1	1186.5	1970.2	2654.2	2910.9	2945.6
37.5°	577.6	582.7	603.8	620.7	611.4	1100.4	2063.1	2916.0	3221.7	3251.3
40°	534.6	547.2	571.7	579.3	572.6	999.9	2174.5	3168.5	3491.1	3531.6
42.5°	494.9	504.2	538.8	540.5	561.6	897.7	2281.8	3440.4	3801.0	3822.1
45°	462.8	461.1	496.6	507.5	575.9	784.5	2386.5	3802.7	4206.4	4236.8
47.5°	431.5	429.8	438.3	488.1	581.8	679.8	2490.4	4333.1	4794.1	4846.5
50°	402.0	404.5	378.3	478.8	549.8	599.6	2537.7	4823.7	5328.7	5350.7
52.5°	375.8	366.5	320.9	448.4	481.4	523.6	2403.4	5046.6	5659.7	5722.2
55°	338.6	287.1	264.3	364.0	380.0	456.9	1968.5	4917.4	5688.4	5799.1
57.5°	289.7	225.5	224.6	268.5	268.5	423.9	1260.8	4201.3	4902.2	5096.5
60°	222.9	174.8	185.8	186.6	172.3	309.1	707.7	3043.5	3624.5	3817.9
62.5°	158.8	133.4	140.2	111.5	98.8	154.5	339.5	1752.3	2237.0	2264.1
65°	106.4	90.4	73.5	61.6	60.8	65.9	140.2	633.4	770.2	869.0
67.5°	70.1	54.9	38.8	38.8	43.9	43.9	53.2	104.7	146.9	134.3
70°	45.6	38.0	24.5	23.6	28.7	28.7	27.0	28.7	30.4	30.4
72.5°	33.8	28.7	14.4	12.7	16.0	16.9	15.2	14.4	14.4	14.4
75°	25.3	20.3	8.4	5.9	7.6	10.1	8.4	5.9	5.9	5.1
77.5°	10.1	7.6	3.4	2.5	4.2	5.9	5.1	2.5	1.7	1.7
80°	0.8	1.7	1.7	1.7	2.5	3.4	4.2	1.7	0.8	0.8
82.5°	0.0	0.8	0.8	0.8	1.7	2.5	3.4	1.7	0.8	0.8
85°	0.0	0.0	0.0	0.0	1.7	2.5	1.7	0.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.8	2.5	1.7	0.8	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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