

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: P630454

Luminaire Tested: GWS-SA1D-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4786.5 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

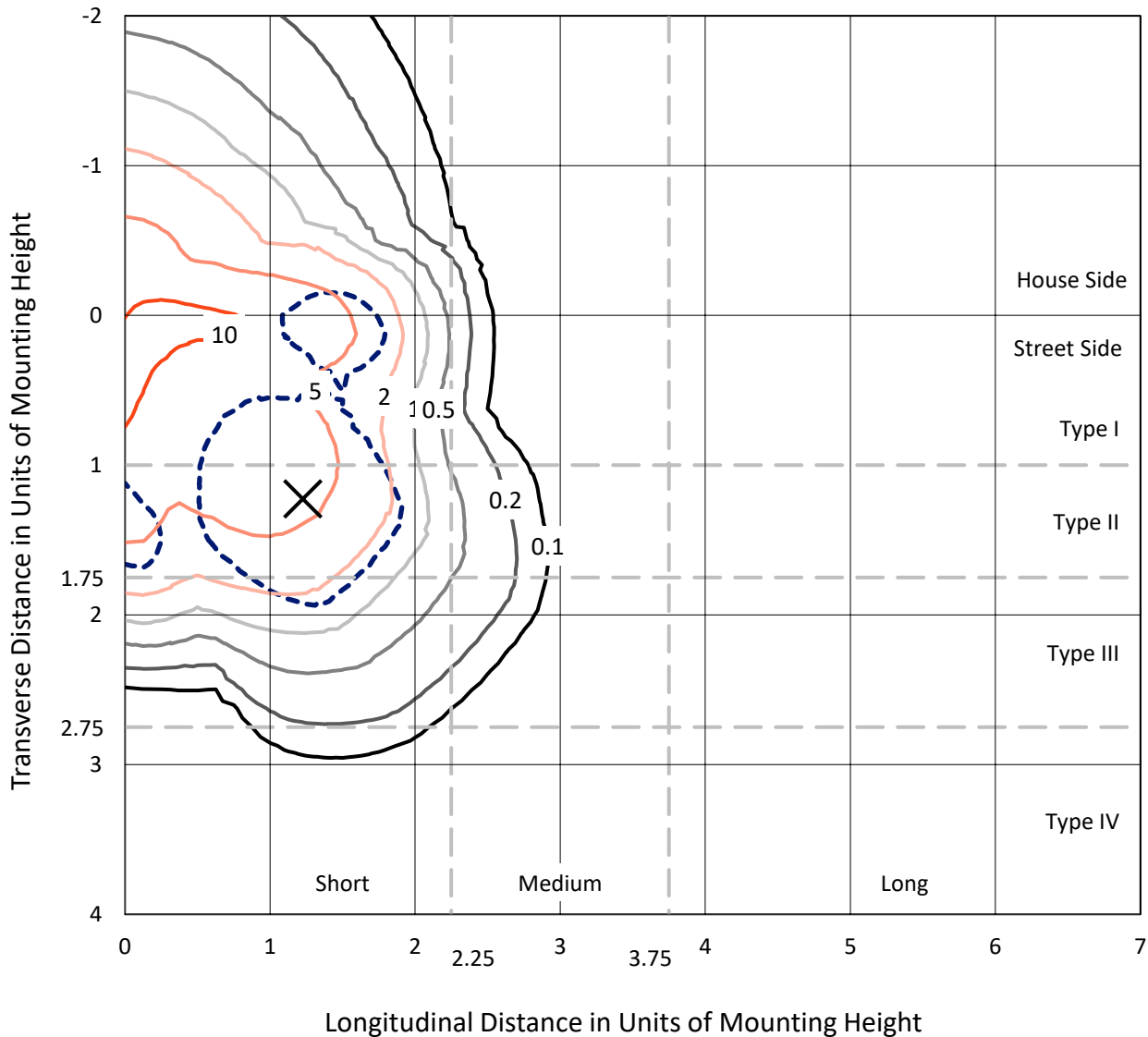
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

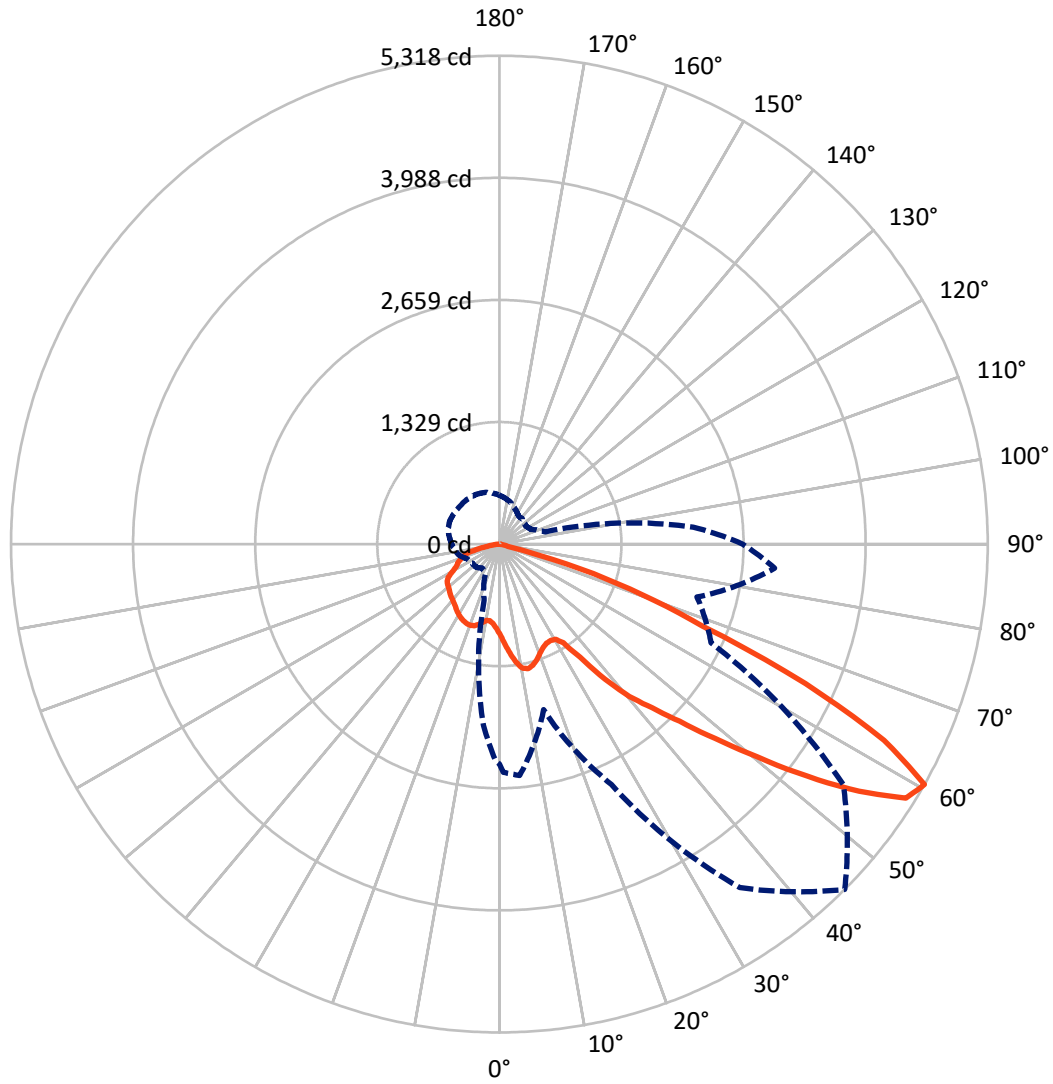
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1677.8	0.0	1677.8
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	3108.7	0.0	3108.7
	% Fixture	64.9	0.0	64.9
Total	Lumens	4786.5	0.0	4786.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	2.0
10°-20°	303.2	6.3
20°-30°	492.4	10.3
30°-40°	694.5	14.5
40°-50°	959.8	20.1
50°-60°	1235.5	25.8
60°-70°	782.8	16.4
70°-80°	200.9	4.2
80°-90°	21.5	0.4
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°	4786.5	100.0
0°-180°	4786.5	100.0

Coefficient of Utilization



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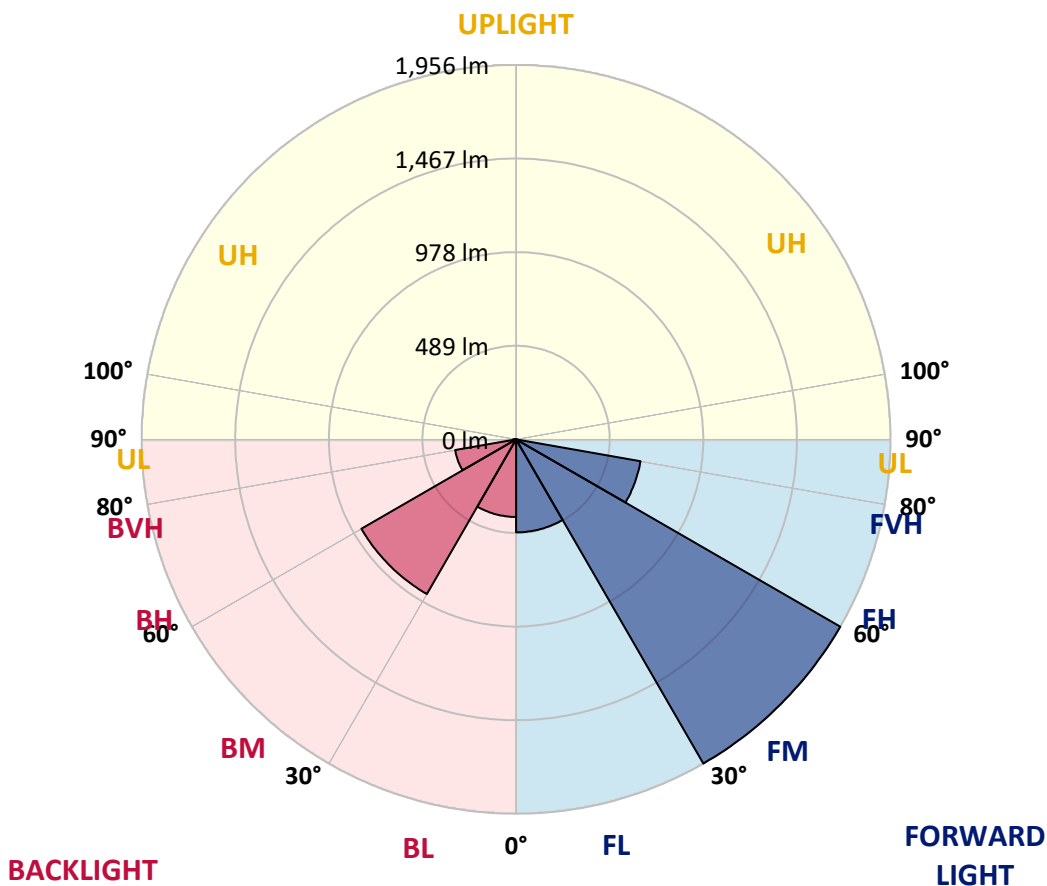
CATALOG NUMBER: GWS-SA1D-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.0	10.2			
FM (30°-60°)	1956.4	40.9			
FH (60°-80°)	660.4	13.8			G1/1800
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	405.5	8.5	B1/500		
BM (30°-60°)	933.3	19.5	B1/1000		
BH (60°-80°)	323.3	6.8	B1/500		G1/500
BVH (80°-90°)	15.6	0.3			G1/100
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°	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3
2.5°	1028.5	1035.5	1039.9	1048.2	1063.1	1071.4	1080.7	1070.6	1073.2	1071.9	1055.7
5°	1089.4	1097.8	1109.2	1133.7	1161.3	1176.7	1191.2	1189.0	1175.4	1152.6	1136.4
7.5°	1146.4	1156.1	1175.8	1215.7	1256.5	1280.2	1297.7	1286.3	1274.9	1239.0	1198.2
10°	1191.2	1196.9	1223.6	1277.1	1324.5	1351.3	1372.7	1370.1	1354.3	1314.0	1259.2
12.5°	1233.3	1237.2	1266.2	1319.7	1362.2	1374.1	1391.6	1397.3	1392.0	1361.8	1307.8
15°	1278.4	1285.9	1312.7	1353.4	1372.7	1360.5	1366.6	1382.4	1397.3	1397.3	1347.7
17.5°	1320.6	1327.1	1354.3	1371.9	1353.4	1321.0	1322.7	1342.9	1378.4	1415.7	1384.1
20°	1357.8	1364.0	1390.7	1374.1	1315.7	1268.4	1267.0	1291.6	1349.1	1427.6	1423.2
22.5°	1398.6	1407.4	1429.8	1375.8	1280.6	1220.6	1220.1	1245.6	1323.2	1439.4	1467.9
25°	1456.5	1470.1	1481.5	1391.2	1261.8	1189.4	1195.1	1219.2	1314.9	1458.7	1534.1
27.5°	1542.5	1553.4	1552.6	1423.2	1260.9	1176.7	1188.5	1216.6	1329.8	1492.9	1603.9
30°	1635.4	1641.2	1631.9	1467.9	1281.1	1184.6	1202.1	1235.5	1367.5	1549.5	1706.5
32.5°	1738.5	1745.5	1728.0	1535.0	1328.0	1242.9	1281.5	1297.7	1420.5	1631.1	1815.3
35°	1856.9	1870.5	1834.1	1623.6	1466.2	1455.6	1511.8	1490.7	1533.3	1727.6	1931.5
37.5°	1981.5	1981.9	1929.7	1754.7	1737.2	1755.2	1867.5	1801.7	1772.3	1835.0	2049.9
40°	2087.2	2084.6	2004.3	1931.5	1973.2	2044.6	2180.2	2079.3	2002.1	1979.3	2148.1
42.5°	2192.9	2183.2	2102.1	2043.8	2135.9	2282.8	2435.9	2312.2	2149.5	2110.4	2245.1
45°	2328.0	2324.9	2227.1	2088.5	2282.8	2549.4	2752.5	2552.1	2236.7	2186.7	2406.5
47.5°	2545.9	2531.0	2349.0	2085.0	2420.5	2904.7	3161.3	2854.3	2297.7	2188.5	2667.0
50°	2759.1	2740.7	2494.6	2084.6	2562.6	3273.1	3643.7	3221.3	2360.0	2199.0	2931.9
52.5°	2974.4	2974.4	2733.6	2134.1	2711.7	3684.5	4201.1	3678.8	2466.1	2336.7	3257.7
55°	3102.5	3136.7	3002.5	2217.9	2886.3	4168.7	4752.4	4172.6	2630.1	2585.4	3558.6
57.5°	2939.8	3003.8	2984.5	2159.5	2989.3	4524.4	5219.9	4547.2	2711.3	2614.8	3513.4
60°	2395.5	2484.5	2528.8	1864.8	2887.6	4565.6	5317.7	4571.7	2543.7	2226.7	3009.5
62.5°	1592.5	1665.7	1733.3	1332.4	2499.9	4107.3	4703.3	4108.6	2124.5	1661.8	2085.0
65°	781.1	835.5	908.3	787.7	1953.0	3431.9	3666.9	3320.0	1536.8	930.2	1063.5
67.5°	204.4	219.7	229.8	305.7	1399.1	2465.7	2391.6	2428.4	987.2	303.9	278.1
70°	106.1	107.0	106.6	126.3	945.6	1567.0	1648.2	1524.9	689.0	127.2	109.6
72.5°	75.9	76.3	75.0	85.1	456.6	897.8	930.2	920.1	360.9	75.4	75.0
75°	49.6	50.0	49.1	50.0	68.9	102.2	94.3	99.1	60.1	47.8	47.8
77.5°	29.4	29.8	29.4	30.3	29.4	29.4	27.2	27.2	25.9	25.9	26.3
80°	19.7	19.7	19.3	20.2	18.4	18.4	17.5	17.1	15.8	15.4	15.4
82.5°	11.8	12.3	11.8	11.8	11.0	11.0	10.1	9.6	8.3	8.3	7.9
85°	6.1	6.1	5.7	5.7	4.8	4.4	3.5	3.5	2.6	2.2	2.2
87.5°	0.9	0.9	0.4	0.4	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°	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3
2.5°	1051.3	1042.5	1029.3	1016.6	1004.8	992.5	978.5	964.0	951.7	939.0	932.4
5°	1114.9	1096.9	1062.7	1032.4	1005.2	982.8	958.7	938.1	918.8	903.0	895.1
7.5°	1172.3	1144.2	1092.5	1044.7	1007.8	977.1	943.8	913.1	887.2	867.9	860.5
10°	1225.4	1192.0	1124.1	1063.5	1020.6	986.4	945.6	903.9	869.7	844.3	838.1
12.5°	1268.4	1230.2	1149.1	1078.9	1028.0	991.2	955.2	919.3	885.5	852.6	847.3
15°	1306.5	1261.3	1167.9	1088.5	1025.4	978.5	948.2	943.8	943.8	906.5	896.0
17.5°	1339.4	1289.9	1183.3	1092.9	1008.7	940.7	922.3	960.5	1003.5	976.7	953.0
20°	1377.1	1317.0	1196.0	1092.9	978.0	892.9	891.2	956.1	1019.7	1020.1	995.1
22.5°	1415.3	1348.6	1210.9	1089.0	935.9	837.7	870.1	938.6	995.1	1019.3	1002.1
25°	1477.1	1392.5	1234.6	1085.9	886.8	800.0	851.3	915.3	963.1	988.6	977.6
27.5°	1555.6	1450.4	1270.6	1090.7	838.1	777.6	831.1	885.0	928.5	950.8	942.9
30°	1643.3	1517.0	1309.1	1099.1	803.0	766.2	807.0	850.4	889.0	911.4	907.9
32.5°	1755.2	1589.4	1342.5	1087.7	783.3	760.5	781.5	812.7	850.0	864.0	867.1
35°	1888.9	1669.2	1367.9	1042.9	765.3	754.4	753.9	773.2	799.5	821.9	824.1
37.5°	2012.2	1762.6	1396.0	966.2	732.9	739.0	721.5	732.9	758.7	781.1	789.9
40°	2134.1	1857.4	1435.0	868.4	690.3	704.8	684.2	692.1	712.7	742.1	756.1
42.5°	2252.5	1942.9	1476.2	768.4	647.8	657.0	641.6	649.5	671.0	707.9	723.7
45°	2381.5	2058.7	1508.3	674.1	610.9	607.0	594.7	606.1	638.6	678.9	697.8
47.5°	2625.3	2241.1	1529.3	611.4	591.2	562.7	548.7	573.2	610.1	650.8	673.7
50°	2923.1	2505.1	1523.2	571.5	574.1	517.1	512.3	544.7	584.2	626.7	651.7
52.5°	3159.1	2764.3	1453.4	533.3	540.8	488.1	474.1	521.5	559.2	602.6	628.5
55°	3339.3	2851.6	1239.4	488.1	486.4	467.1	437.7	497.3	534.2	574.5	602.6
57.5°	3192.4	2657.3	918.8	425.9	415.3	425.4	396.9	456.6	503.5	543.4	568.4
60°	2649.4	2118.8	511.8	377.2	347.4	371.9	367.5	413.6	470.2	512.3	533.7
62.5°	1798.6	1410.9	303.5	298.2	281.6	316.7	339.9	370.2	425.9	460.1	480.2
65°	896.4	685.5	201.7	223.2	225.4	260.5	304.4	337.7	384.2	419.3	439.5
67.5°	260.1	213.1	153.5	170.6	194.3	222.4	257.4	296.9	342.1	383.8	407.4
70°	112.3	113.6	121.9	142.1	165.3	194.3	229.4	268.0	306.1	338.1	356.1
72.5°	79.4	82.5	91.7	112.3	134.2	161.8	196.9	234.2	261.8	294.3	313.1
75°	50.9	53.1	60.5	76.3	92.5	119.3	152.6	186.8	215.3	238.6	256.6
77.5°	28.1	28.5	34.6	43.9	54.8	71.9	96.5	123.2	144.3	157.4	173.7
80°	16.2	16.2	19.3	25.0	31.6	42.1	55.7	68.9	81.6	89.9	97.8
82.5°	8.8	8.8	10.1	13.6	17.1	23.2	31.1	37.7	45.6	50.0	55.3
85°	2.6	2.6	3.5	4.8	6.1	8.8	12.3	15.8	19.3	22.4	25.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3
2.5°	931.1	925.0	921.4	917.1	918.4	914.4	912.2	913.6	905.7	913.6	921.4
5°	892.1	883.3	876.3	870.6	867.9	862.7	859.6	859.6	854.8	862.7	872.3
7.5°	857.9	850.8	847.3	843.8	839.9	835.0	829.8	828.0	825.0	833.3	841.6
10°	835.0	835.9	838.1	842.9	842.1	839.0	831.1	826.7	826.7	836.4	849.1
12.5°	845.6	854.8	860.0	868.8	870.6	867.9	860.0	856.5	865.3	879.8	900.8
15°	886.4	892.5	896.9	903.9	903.5	901.3	895.1	897.8	926.7	954.8	973.6
17.5°	930.7	923.6	922.8	927.1	928.5	925.8	922.3	934.2	982.0	1008.3	1017.9
20°	962.7	938.6	933.3	935.0	938.6	937.2	937.2	956.5	1006.1	1018.4	1006.1
22.5°	972.3	938.1	930.2	930.7	935.5	935.9	938.1	958.3	987.2	987.7	968.8
25°	957.0	924.1	918.4	919.3	925.0	924.5	925.4	936.8	949.5	944.3	930.2
27.5°	928.0	899.5	897.8	902.6	910.0	906.1	903.5	906.5	912.7	906.1	893.8
30°	895.1	871.0	871.9	881.1	889.0	882.4	875.8	877.6	878.0	871.0	857.0
32.5°	860.5	842.5	845.6	855.2	864.4	857.4	850.4	849.5	841.2	832.9	819.3
35°	825.8	818.8	822.8	830.7	838.6	832.9	828.5	825.8	807.9	795.6	784.2
37.5°	794.3	799.5	806.5	811.4	814.0	813.6	810.9	804.8	781.1	766.6	751.7
40°	766.2	782.4	789.9	792.1	796.0	795.1	794.7	785.9	754.8	739.4	722.3
42.5°	740.8	763.6	776.3	778.5	780.7	781.1	779.8	767.1	731.5	713.6	697.3
45°	716.2	746.0	762.2	760.1	763.1	763.1	764.4	747.8	708.7	690.3	673.2
47.5°	694.7	729.8	744.7	742.1	743.8	745.1	746.5	727.2	683.7	666.2	648.7
50°	675.0	712.2	725.0	725.8	725.8	728.9	728.5	709.6	662.7	643.8	626.3
52.5°	653.9	694.3	707.9	713.6	715.3	716.6	710.5	688.6	641.2	618.4	602.2
55°	629.4	675.8	688.1	695.6	699.1	698.2	689.9	667.5	619.3	596.5	578.0
57.5°	592.1	636.4	653.9	657.4	663.1	659.6	650.0	631.1	584.2	561.4	542.5
60°	551.3	583.3	597.3	600.4	596.0	597.3	596.0	578.0	537.3	519.3	500.0
62.5°	497.8	526.3	541.2	545.1	537.7	542.5	540.8	518.4	477.6	458.8	441.6
65°	457.4	488.6	506.1	508.3	506.1	508.3	502.2	475.0	436.4	417.1	399.5
67.5°	425.9	457.9	476.3	482.4	480.2	479.8	470.2	438.6	398.7	377.6	355.2
70°	371.5	399.5	423.2	438.1	438.1	429.8	411.4	382.0	350.0	332.0	314.5
72.5°	328.9	364.5	387.7	403.1	406.1	401.3	375.4	344.3	307.4	289.5	271.0
75°	271.0	305.7	330.7	350.9	354.8	349.5	319.7	289.0	254.8	237.3	218.8
77.5°	181.1	201.7	221.9	240.3	236.4	239.9	219.7	196.5	175.4	162.3	153.9
80°	102.2	115.8	121.9	132.0	132.0	132.0	118.9	107.9	96.0	88.6	80.3
82.5°	57.9	66.7	69.3	77.6	79.8	80.3	71.5	64.5	57.0	53.1	47.4
85°	26.8	31.6	32.0	36.8	38.6	42.1	38.2	33.3	28.9	27.2	23.7
87.5°	0.9	2.6	3.5	6.6	8.8	10.1	11.0	11.0	9.2	8.3	7.0
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-SA1D-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3
2.5°	931.1	941.6	953.9	962.7	978.5	991.6	1005.2	1020.1	1031.1	1028.5
5°	884.2	901.7	924.1	944.7	974.1	1003.9	1036.8	1070.6	1090.3	1089.4
7.5°	857.9	882.9	910.0	937.7	972.3	1015.3	1065.7	1118.4	1145.1	1146.4
10°	871.9	898.6	917.1	940.3	976.7	1030.7	1091.2	1154.3	1185.0	1191.2
12.5°	916.2	914.0	912.7	929.3	973.2	1041.6	1115.7	1191.2	1225.8	1233.3
15°	958.3	913.1	885.9	897.3	957.4	1048.6	1139.9	1231.5	1270.6	1278.4
17.5°	966.2	897.8	847.3	855.2	932.4	1050.8	1163.1	1271.0	1313.1	1320.6
20°	944.3	878.0	819.3	808.3	900.8	1045.1	1177.6	1303.9	1349.9	1357.8
22.5°	916.6	860.5	798.2	769.7	862.2	1039.4	1193.8	1338.5	1391.6	1398.6
25°	887.7	838.1	778.5	735.1	818.4	1035.9	1221.0	1384.1	1448.2	1456.5
27.5°	857.0	810.9	761.4	718.4	778.0	1040.3	1259.6	1457.8	1530.6	1542.5
30°	824.1	783.7	750.4	712.7	750.4	1044.2	1302.1	1533.3	1618.8	1635.4
32.5°	789.9	758.7	739.0	715.3	733.3	1035.0	1339.4	1617.9	1724.0	1738.5
35°	755.7	733.3	724.5	720.1	710.5	1001.3	1369.7	1703.4	1844.2	1856.9
37.5°	723.7	707.0	704.4	709.2	675.4	946.0	1404.8	1812.2	1962.2	1981.5
40°	693.8	678.5	678.0	677.2	636.8	870.6	1452.1	1922.7	2078.4	2087.2
42.5°	666.2	646.9	650.4	639.9	605.2	789.0	1496.9	2017.0	2186.7	2192.9
45°	641.6	616.2	620.1	607.0	590.3	703.5	1536.3	2128.4	2324.0	2328.0
47.5°	618.0	590.8	579.8	578.9	587.7	624.5	1574.9	2342.9	2538.9	2545.9
50°	596.0	566.6	535.5	554.8	571.5	565.3	1623.2	2572.7	2760.8	2759.1
52.5°	575.0	536.4	492.1	529.4	529.4	521.5	1609.6	2712.2	2944.2	2974.4
55°	550.9	487.7	446.9	486.8	467.5	482.0	1368.8	2757.8	3059.5	3102.5
57.5°	503.0	427.6	392.1	413.6	384.6	446.9	983.3	2531.5	2863.5	2939.8
60°	457.0	383.3	360.1	356.1	318.4	364.5	637.3	1981.9	2356.9	2395.5
62.5°	403.1	345.2	325.4	295.2	256.1	265.3	385.9	1304.3	1583.7	1592.5
65°	362.3	312.7	275.0	239.0	209.6	192.5	228.1	628.9	791.6	781.1
67.5°	311.0	268.0	232.0	206.1	182.0	160.5	151.7	186.8	211.4	204.4
70°	276.7	235.5	200.9	176.3	153.9	132.4	117.1	110.1	107.9	106.1
72.5°	238.6	202.6	166.7	143.0	121.9	102.2	88.2	79.8	77.6	75.9
75°	190.3	156.6	123.7	101.3	82.9	68.9	59.6	52.6	51.3	49.6
77.5°	125.9	100.4	73.7	60.1	49.1	41.7	35.5	31.1	30.3	29.4
80°	69.3	57.9	45.2	36.4	29.4	25.4	23.2	20.6	20.2	19.7
82.5°	41.2	34.6	25.9	20.6	17.1	15.4	14.0	12.7	12.3	11.8
85°	20.6	16.2	11.4	9.6	8.8	7.9	7.9	6.6	6.1	6.1
87.5°	5.3	4.4	2.6	2.2	2.2	2.2	1.8	1.3	1.3	0.9
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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