

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: P630344

Luminaire Tested: GWS-SA1D-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630344  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

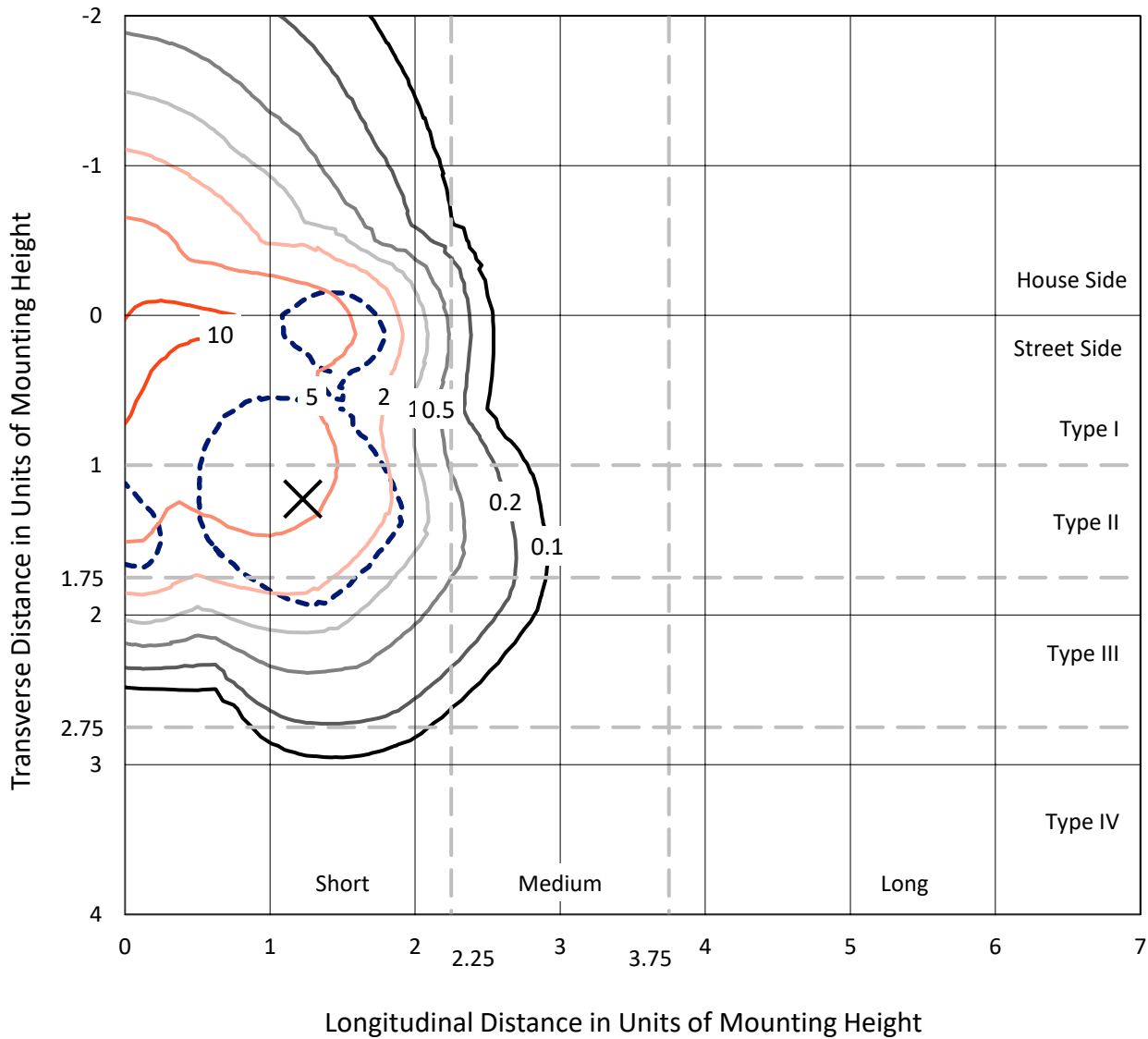
Lumens per Lamp: N/A  
Luminaire Lumens: 4744.3 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

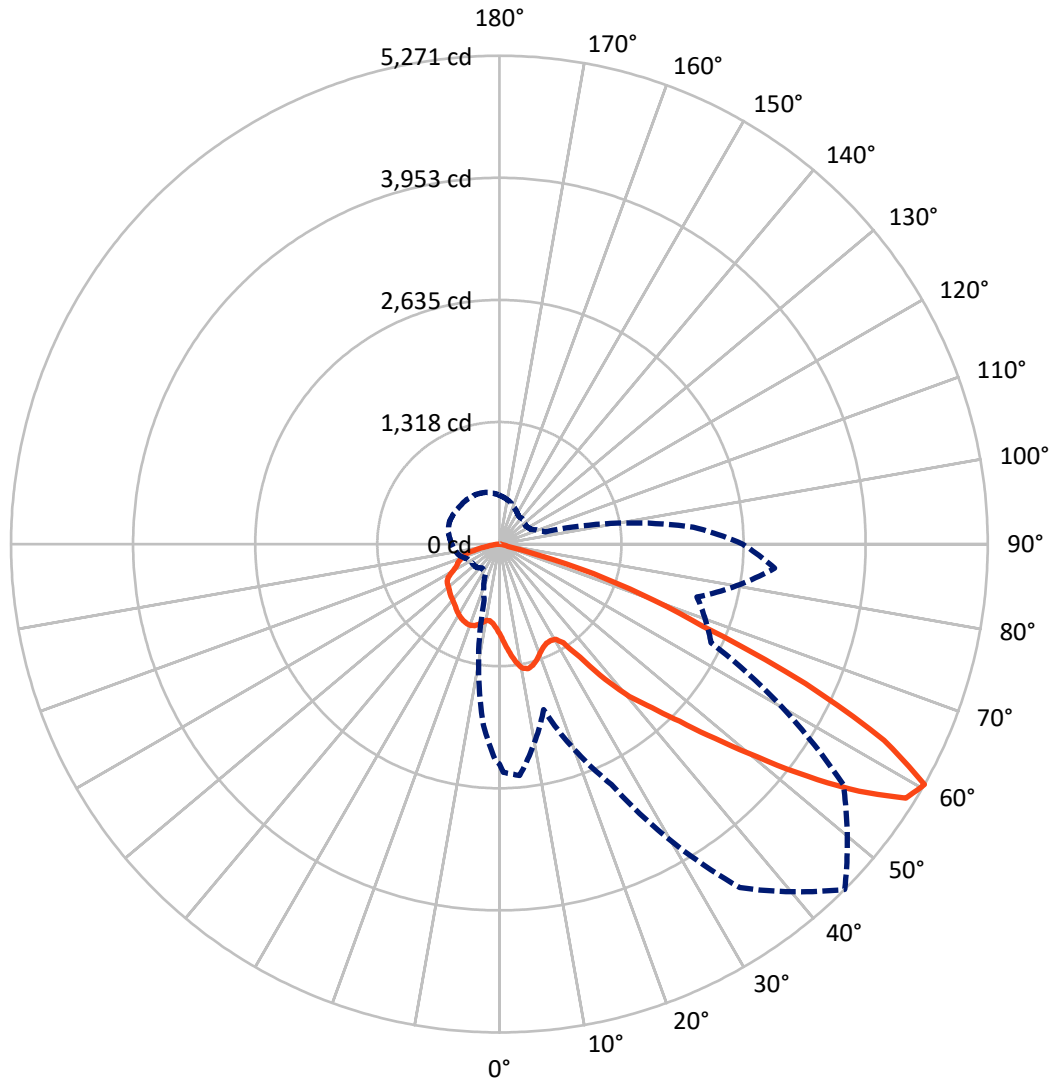
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 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
<b>House Side</b>	Lumens	1663.0	0.0	1663.0
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	3081.2	0.0	3081.2
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	4744.3	0.0	4744.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.1	2.0
10°-20°	300.5	6.3
20°-30°	488.1	10.3
30°-40°	688.4	14.5
40°-50°	951.3	20.1
50°-60°	1224.6	25.8
60°-70°	775.9	16.4
70°-80°	199.1	4.2
80°-90°	21.3	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°	4744.3	100.0
0°-180°	4744.3	100.0

**Coefficient of Utilization**



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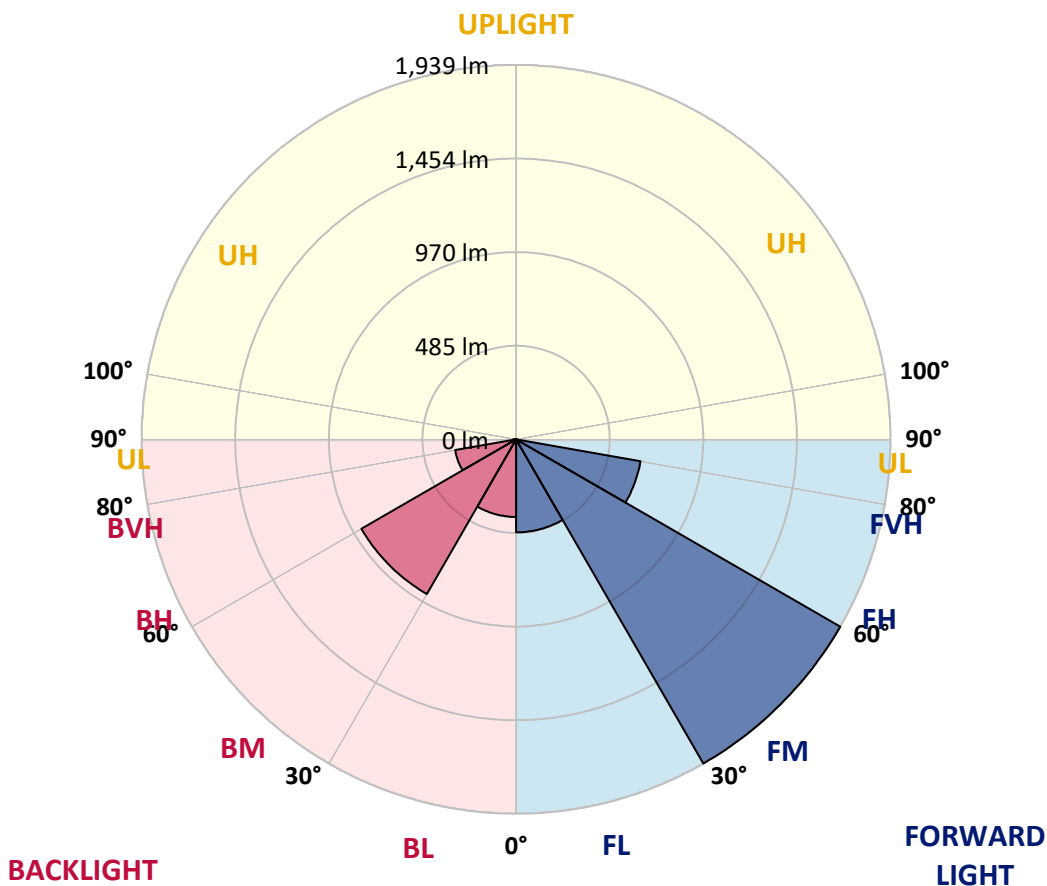
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.7	10.2			
FM (30°-60°)	1939.2	40.9			
FH (60°-80°)	654.5	13.8			G0/660
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	402.0	8.5	B1/500		
BM (30°-60°)	925.1	19.5	B1/1000		
BH (60°-80°)	320.5	6.8	B1/500		G1/500
BVH (80°-90°)	15.5	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°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	1019.4	1026.3	1030.7	1039.0	1053.7	1062.0	1071.1	1061.1	1063.7	1062.4	1046.3
5°	1079.8	1088.1	1099.4	1123.7	1151.1	1166.3	1180.7	1178.5	1165.0	1142.4	1126.3
7.5°	1136.3	1145.9	1165.5	1205.0	1245.4	1268.9	1286.3	1275.0	1263.7	1228.1	1187.6
10°	1180.7	1186.3	1212.8	1265.9	1312.8	1339.3	1360.6	1358.0	1342.4	1302.4	1248.1
12.5°	1222.4	1226.3	1255.0	1308.0	1350.2	1361.9	1379.3	1385.0	1379.8	1349.8	1296.3
15°	1267.2	1274.6	1301.1	1341.5	1360.6	1348.5	1354.6	1370.2	1385.0	1385.0	1335.9
17.5°	1308.9	1315.4	1342.4	1359.8	1341.5	1309.3	1311.1	1331.1	1366.3	1403.2	1371.9
20°	1345.9	1351.9	1378.5	1361.9	1304.1	1257.2	1255.9	1280.2	1337.2	1415.0	1410.6
22.5°	1386.3	1395.0	1417.2	1363.7	1269.4	1209.8	1209.4	1234.6	1311.5	1426.7	1455.0
25°	1443.7	1457.1	1468.4	1378.9	1250.7	1178.9	1184.6	1208.5	1303.3	1445.8	1520.6
27.5°	1528.9	1539.7	1538.9	1410.6	1249.8	1166.3	1178.1	1205.9	1318.0	1479.8	1589.7
30°	1621.0	1626.7	1617.6	1455.0	1269.8	1174.1	1191.5	1224.6	1355.4	1535.8	1691.5
32.5°	1723.2	1730.1	1712.8	1521.5	1316.3	1232.0	1270.2	1286.3	1408.0	1616.7	1799.3
35°	1840.6	1854.0	1818.0	1609.3	1453.2	1442.8	1498.4	1477.6	1519.7	1712.3	1914.5
37.5°	1964.0	1964.5	1912.7	1739.3	1721.9	1739.7	1851.0	1785.8	1756.7	1818.8	2031.8
40°	2068.8	2066.2	1986.6	1914.5	1955.8	2026.6	2160.9	2061.0	1984.4	1961.8	2129.2
42.5°	2173.5	2164.0	2083.6	2025.7	2117.0	2262.7	2414.4	2291.8	2130.5	2091.8	2225.3
45°	2307.4	2304.4	2207.5	2070.1	2262.7	2527.0	2728.2	2529.6	2217.0	2167.5	2385.2
47.5°	2523.5	2508.7	2328.3	2066.6	2399.2	2879.1	3133.4	2829.1	2277.4	2169.2	2643.5
50°	2734.8	2716.5	2472.6	2066.2	2540.0	3244.2	3611.6	3192.9	2339.2	2179.6	2906.0
52.5°	2948.2	2948.2	2709.5	2115.3	2687.8	3652.0	4164.1	3646.3	2444.4	2316.1	3229.0
55°	3075.1	3109.0	2976.0	2198.3	2860.8	4131.9	4710.5	4135.8	2607.0	2562.6	3527.2
57.5°	2913.9	2977.3	2958.2	2140.5	2963.0	4484.5	5173.9	4507.1	2687.4	2591.7	3482.5
60°	2374.4	2462.6	2506.5	1848.4	2862.1	4525.3	5270.9	4531.4	2521.3	2207.0	2983.0
62.5°	1578.4	1651.0	1718.0	1320.6	2477.8	4071.1	4661.8	4072.4	2105.7	1647.1	2066.6
65°	774.2	828.1	900.3	780.7	1935.8	3401.6	3634.6	3290.7	1523.2	922.0	1054.2
67.5°	202.6	217.8	227.8	303.0	1386.7	2443.9	2370.5	2407.0	978.5	301.3	275.6
70°	105.2	106.1	105.6	125.2	937.2	1553.2	1633.6	1511.5	682.9	126.1	108.7
72.5°	75.2	75.6	74.3	84.3	452.5	889.8	922.0	912.0	357.8	74.8	74.3
75°	49.1	49.6	48.7	49.6	68.2	101.3	93.5	98.2	59.6	47.4	47.4
77.5°	29.1	29.6	29.1	30.0	29.1	29.1	27.0	27.0	25.6	25.6	26.1
80°	19.6	19.6	19.1	20.0	18.3	18.3	17.4	17.0	15.6	15.2	15.2
82.5°	11.7	12.2	11.7	11.7	10.9	10.9	10.0	9.6	8.3	8.3	7.8
85°	6.1	6.1	5.7	5.7	4.8	4.3	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°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	1042.0	1033.3	1020.3	1007.7	995.9	983.7	969.8	955.5	943.3	930.7	924.2
5°	1105.0	1087.2	1053.3	1023.3	996.4	974.2	950.3	929.8	910.7	895.1	887.2
7.5°	1162.0	1134.2	1082.9	1035.5	999.0	968.5	935.5	905.1	879.4	860.3	852.9
10°	1214.6	1181.5	1114.2	1054.2	1011.6	977.7	937.2	895.9	862.0	836.8	830.7
12.5°	1257.2	1219.4	1138.9	1069.4	1019.0	982.4	946.8	911.2	877.7	845.1	839.9
15°	1295.0	1250.2	1157.6	1078.9	1016.4	969.8	939.8	935.5	935.5	898.5	888.1
17.5°	1327.6	1278.5	1172.8	1083.3	999.8	932.5	914.2	952.0	994.6	968.1	944.6
20°	1365.0	1305.4	1185.5	1083.3	969.4	885.1	883.3	947.7	1010.7	1011.1	986.4
22.5°	1402.8	1336.7	1200.2	1079.4	927.7	830.3	862.5	930.3	986.4	1010.3	993.3
25°	1464.1	1380.2	1223.7	1076.3	879.0	792.9	843.8	907.2	954.6	979.8	969.0
27.5°	1541.9	1437.6	1259.4	1081.1	830.7	770.7	823.8	877.2	920.3	942.4	934.6
30°	1628.9	1503.7	1297.6	1089.4	796.0	759.4	799.9	842.9	881.2	903.3	899.8
32.5°	1739.7	1575.4	1330.6	1078.1	776.4	753.8	774.7	805.5	842.5	856.4	859.4
35°	1872.3	1654.5	1355.9	1033.7	758.6	747.7	747.3	766.4	792.5	814.6	816.8
37.5°	1994.4	1747.1	1383.7	957.7	726.4	732.5	715.1	726.4	752.0	774.2	782.9
40°	2115.3	1841.0	1422.4	860.7	684.2	698.6	678.1	686.0	706.4	735.5	749.4
42.5°	2232.7	1925.8	1463.2	761.6	642.1	651.2	636.0	643.8	665.1	701.6	717.3
45°	2360.5	2040.5	1495.0	668.1	605.6	601.6	589.5	600.8	632.9	672.9	691.6
47.5°	2602.2	2221.4	1515.8	606.0	586.0	557.7	543.8	568.2	604.7	645.1	667.7
50°	2897.3	2483.1	1509.7	566.4	569.0	512.5	507.7	539.9	579.0	621.2	646.0
52.5°	3131.2	2740.0	1440.6	528.6	536.0	483.8	469.9	516.9	554.3	597.3	622.9
55°	3309.9	2826.5	1228.5	483.8	482.1	463.0	433.8	493.0	529.5	569.5	597.3
57.5°	3164.2	2633.9	910.7	422.1	411.7	421.7	393.4	452.5	499.0	538.6	563.4
60°	2626.1	2100.1	507.3	373.9	344.3	368.6	364.3	409.9	466.0	507.7	529.0
62.5°	1782.7	1398.5	300.8	295.6	279.1	313.9	336.9	366.9	422.1	456.0	476.0
65°	888.5	679.5	200.0	221.3	223.4	258.2	301.7	334.7	380.8	415.6	435.6
67.5°	257.8	211.3	152.1	169.1	192.6	220.4	255.2	294.3	339.1	380.4	403.8
70°	111.3	112.6	120.8	140.8	163.9	192.6	227.4	265.6	303.4	335.2	353.0
72.5°	78.7	81.7	90.9	111.3	133.0	160.4	195.2	232.1	259.5	291.7	310.4
75°	50.4	52.6	60.0	75.6	91.7	118.2	151.3	185.2	213.4	236.5	254.3
77.5°	27.8	28.3	34.3	43.5	54.3	71.3	95.6	122.2	143.0	156.1	172.1
80°	16.1	16.1	19.1	24.8	31.3	41.7	55.2	68.2	80.9	89.1	96.9
82.5°	8.7	8.7	10.0	13.5	17.0	23.0	30.9	37.4	45.2	49.6	54.8
85°	2.6	2.6	3.5	4.8	6.1	8.7	12.2	15.6	19.1	22.2	25.2
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°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	922.9	916.8	913.3	909.0	910.3	906.4	904.2	905.5	897.7	905.5	913.3
5°	884.2	875.5	868.5	862.9	860.3	855.1	852.0	852.0	847.2	855.1	864.6
7.5°	850.3	843.3	839.9	836.4	832.5	827.7	822.5	820.7	817.7	825.9	834.2
10°	827.7	828.6	830.7	835.5	834.6	831.6	823.8	819.4	819.4	829.0	841.6
12.5°	838.1	847.2	852.5	861.2	862.9	860.3	852.5	849.0	857.7	872.0	892.9
15°	878.5	884.6	889.0	895.9	895.5	893.3	887.2	889.8	918.5	946.4	965.1
17.5°	922.5	915.5	914.6	919.0	920.3	917.7	914.2	925.9	973.3	999.4	1009.0
20°	954.2	930.3	925.1	926.8	930.3	929.0	929.0	948.1	997.2	1009.4	997.2
22.5°	963.8	929.8	922.0	922.5	927.2	927.7	929.8	949.8	978.5	979.0	960.3
25°	948.5	915.9	910.3	911.2	916.8	916.4	917.2	928.5	941.1	935.9	922.0
27.5°	919.8	891.6	889.8	894.6	902.0	898.1	895.5	898.5	904.6	898.1	885.9
30°	887.2	863.3	864.2	873.3	881.2	874.6	868.1	869.9	870.3	863.3	849.4
32.5°	852.9	835.1	838.1	847.7	856.8	849.9	842.9	842.0	833.8	825.5	812.0
35°	818.6	811.6	815.5	823.3	831.2	825.5	821.2	818.6	800.7	788.6	777.3
37.5°	787.3	792.5	799.4	804.2	806.8	806.4	803.8	797.7	774.2	759.9	745.1
40°	759.4	775.5	782.9	785.1	789.0	788.1	787.7	779.0	748.1	732.9	716.0
42.5°	734.2	756.8	769.4	771.6	773.8	774.2	772.9	760.3	725.1	707.3	691.2
45°	709.9	739.4	755.5	753.4	756.4	756.4	757.7	741.2	702.5	684.2	667.3
47.5°	688.6	723.4	738.1	735.5	737.3	738.6	739.9	720.7	677.7	660.3	642.9
50°	669.0	706.0	718.6	719.4	719.4	722.5	722.1	703.4	656.8	638.2	620.8
52.5°	648.2	688.1	701.6	707.3	709.0	710.3	704.2	682.5	635.5	612.9	596.9
55°	623.8	669.9	682.1	689.4	692.9	692.1	683.8	661.6	613.8	591.2	572.9
57.5°	586.9	630.8	648.2	651.6	657.3	653.8	644.2	625.5	579.0	556.4	537.7
60°	546.4	578.2	592.1	595.1	590.8	592.1	590.8	572.9	532.5	514.7	495.6
62.5°	493.4	521.7	536.4	540.3	533.0	537.7	536.0	513.8	473.4	454.7	437.8
65°	453.4	484.3	501.7	503.8	501.7	503.8	497.7	470.8	432.5	413.4	396.0
67.5°	422.1	453.8	472.1	478.2	476.0	475.6	466.0	434.7	395.2	374.3	352.1
70°	368.2	396.0	419.5	434.3	434.3	426.0	407.8	378.6	346.9	329.1	311.7
72.5°	326.0	361.2	384.3	399.5	402.5	397.8	372.1	341.2	304.7	286.9	268.7
75°	268.7	303.0	327.8	347.8	351.7	346.5	316.9	286.5	252.6	235.2	216.9
77.5°	179.5	200.0	220.0	238.2	234.3	237.8	217.8	194.7	173.9	160.8	152.6
80°	101.3	114.8	120.8	130.8	130.8	130.8	117.8	106.9	95.2	87.8	79.6
82.5°	57.4	66.1	68.7	76.9	79.1	79.6	70.9	63.9	56.5	52.6	46.9
85°	26.5	31.3	31.7	36.5	38.3	41.7	37.8	33.0	28.7	27.0	23.5
87.5°	0.9	2.6	3.5	6.5	8.7	10.0	10.9	10.9	9.1	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-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	922.9	933.3	945.5	954.2	969.8	982.9	996.4	1011.1	1022.0	1019.4
5°	876.4	893.8	915.9	936.4	965.5	995.0	1027.7	1061.1	1080.7	1079.8
7.5°	850.3	875.1	902.0	929.4	963.8	1006.4	1056.3	1108.5	1135.0	1136.3
10°	864.2	890.7	909.0	932.0	968.1	1021.6	1081.6	1144.2	1174.6	1180.7
12.5°	908.1	905.9	904.6	921.1	964.6	1032.4	1105.9	1180.7	1215.0	1222.4
15°	949.8	905.1	878.1	889.4	949.0	1039.4	1129.8	1220.7	1259.4	1267.2
17.5°	957.7	889.8	839.9	847.7	924.2	1041.6	1152.8	1259.8	1301.5	1308.9
20°	935.9	870.3	812.0	801.2	892.9	1035.9	1167.2	1292.4	1338.0	1345.9
22.5°	908.5	852.9	791.2	762.9	854.6	1030.3	1183.3	1326.7	1379.3	1386.3
25°	879.9	830.7	771.6	728.6	811.2	1026.8	1210.2	1371.9	1435.4	1443.7
27.5°	849.4	803.8	754.7	712.1	771.2	1031.1	1248.5	1445.0	1517.1	1528.9
30°	816.8	776.8	743.8	706.4	743.8	1035.0	1290.7	1519.7	1604.5	1621.0
32.5°	782.9	752.0	732.5	709.0	726.8	1025.9	1327.6	1603.6	1708.8	1723.2
35°	749.0	726.8	718.1	713.8	704.2	992.4	1357.6	1688.4	1828.0	1840.6
37.5°	717.3	700.8	698.1	702.9	669.5	937.7	1392.4	1796.2	1944.9	1964.0
40°	687.7	672.5	672.1	671.2	631.2	862.9	1439.3	1905.8	2060.1	2068.8
42.5°	660.3	641.2	644.7	634.2	599.9	782.0	1483.7	1999.2	2167.5	2173.5
45°	636.0	610.8	614.7	601.6	585.1	697.3	1522.8	2109.6	2303.5	2307.4
47.5°	612.5	585.6	574.7	573.8	582.5	619.0	1561.0	2322.2	2516.5	2523.5
50°	590.8	561.6	530.8	549.9	566.4	560.3	1608.9	2550.0	2736.5	2734.8
52.5°	569.9	531.6	487.7	524.7	524.7	516.9	1595.4	2688.2	2918.2	2948.2
55°	546.0	483.4	443.0	482.5	463.4	477.7	1356.7	2733.5	3032.5	3075.1
57.5°	498.6	423.8	388.6	409.9	381.2	443.0	974.6	2509.1	2838.2	2913.9
60°	453.0	379.9	356.9	353.0	315.6	361.2	631.6	1964.5	2336.1	2374.4
62.5°	399.5	342.1	322.6	292.6	253.9	263.0	382.5	1292.8	1569.7	1578.4
65°	359.1	309.9	272.6	236.9	207.8	190.8	226.0	623.4	784.7	774.2
67.5°	308.2	265.6	230.0	204.3	180.4	159.1	150.4	185.2	209.5	202.6
70°	274.3	233.4	199.1	174.8	152.6	131.3	116.1	109.1	106.9	105.2
72.5°	236.5	200.8	165.2	141.7	120.8	101.3	87.4	79.1	76.9	75.2
75°	188.7	155.2	122.6	100.4	82.2	68.2	59.1	52.2	50.9	49.1
77.5°	124.8	99.5	73.0	59.6	48.7	41.3	35.2	30.9	30.0	29.1
80°	68.7	57.4	44.8	36.1	29.1	25.2	23.0	20.4	20.0	19.6
82.5°	40.9	34.3	25.6	20.4	17.0	15.2	13.9	12.6	12.2	11.7
85°	20.4	16.1	11.3	9.6	8.7	7.8	7.8	6.5	6.1	6.1
87.5°	5.2	4.3	2.6	2.2	2.2	2.2	1.7	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

(END OF REPORT)