

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: P630399

Luminaire Tested: GWS-SA1D-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630399  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

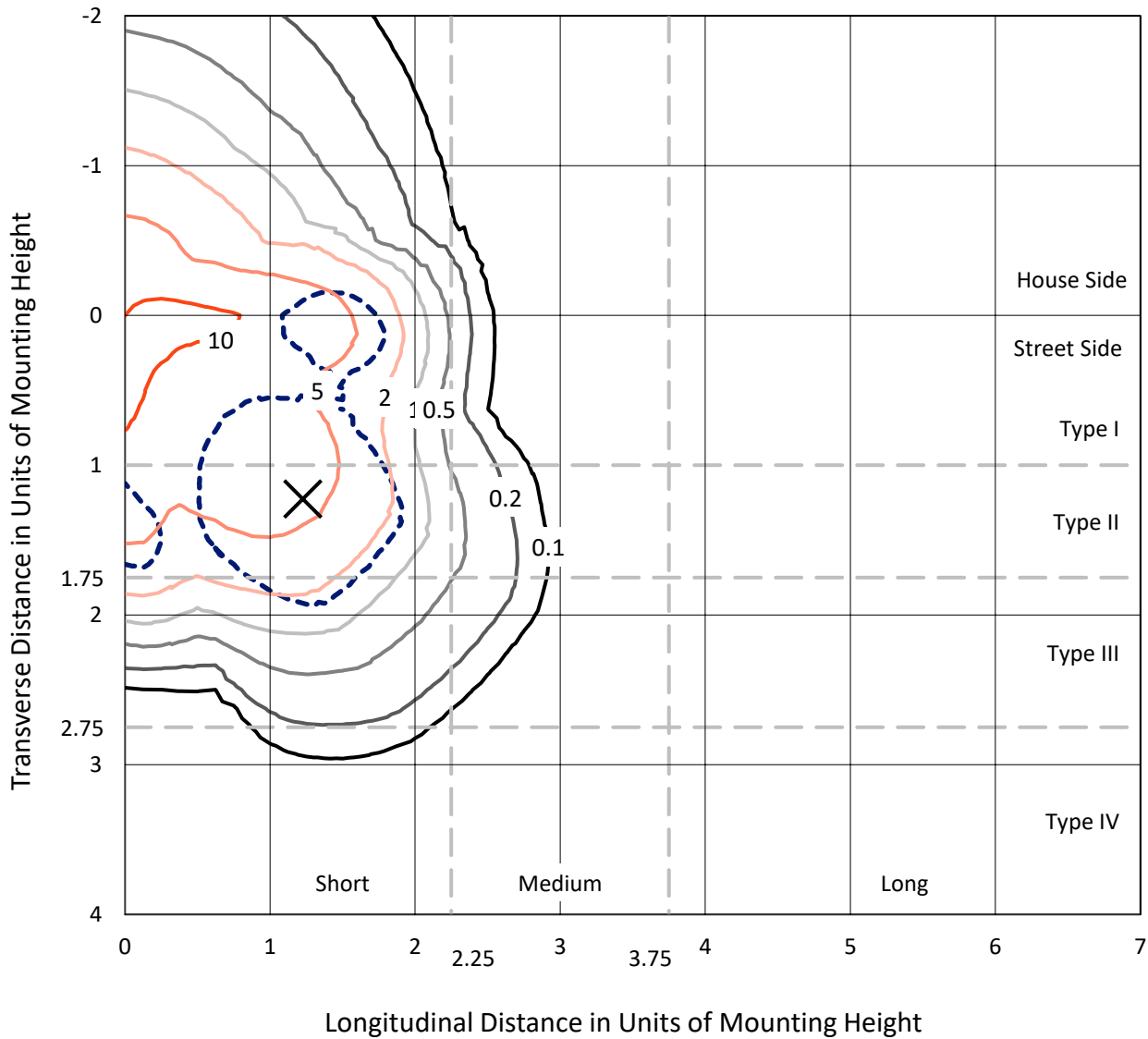
Lumens per Lamp: N/A  
Luminaire Lumens: 4853 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

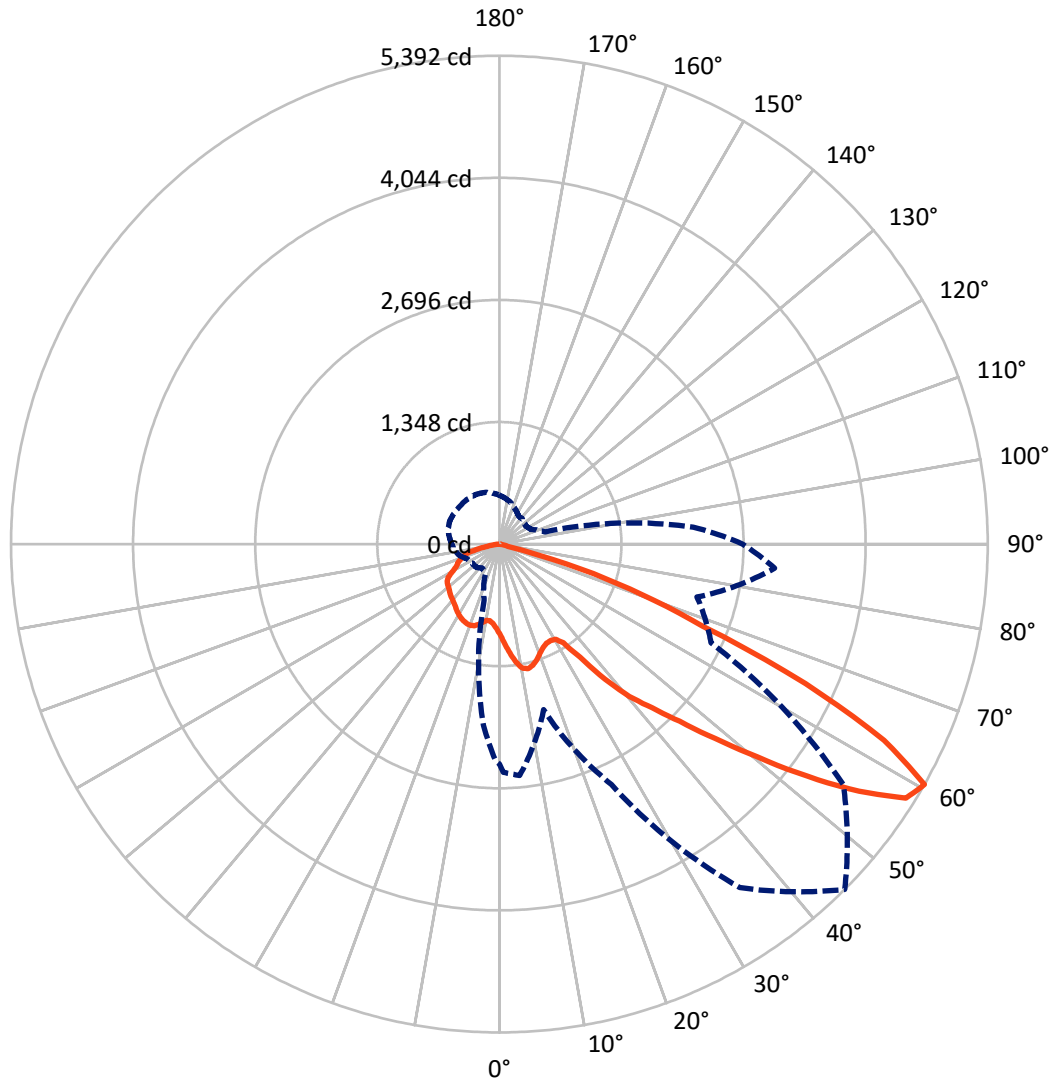
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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	1701.1	0.0	1701.1
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	3151.8	0.0	3151.8
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	4853.0	0.0	4853.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.3	2.0
10°-20°	307.4	6.3
20°-30°	499.3	10.3
30°-40°	704.1	14.5
40°-50°	973.1	20.1
50°-60°	1252.7	25.8
60°-70°	793.7	16.4
70°-80°	203.7	4.2
80°-90°	21.8	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°	4853.0	100.0
0°-180°	4853.0	100.0

**Coefficient of Utilization**



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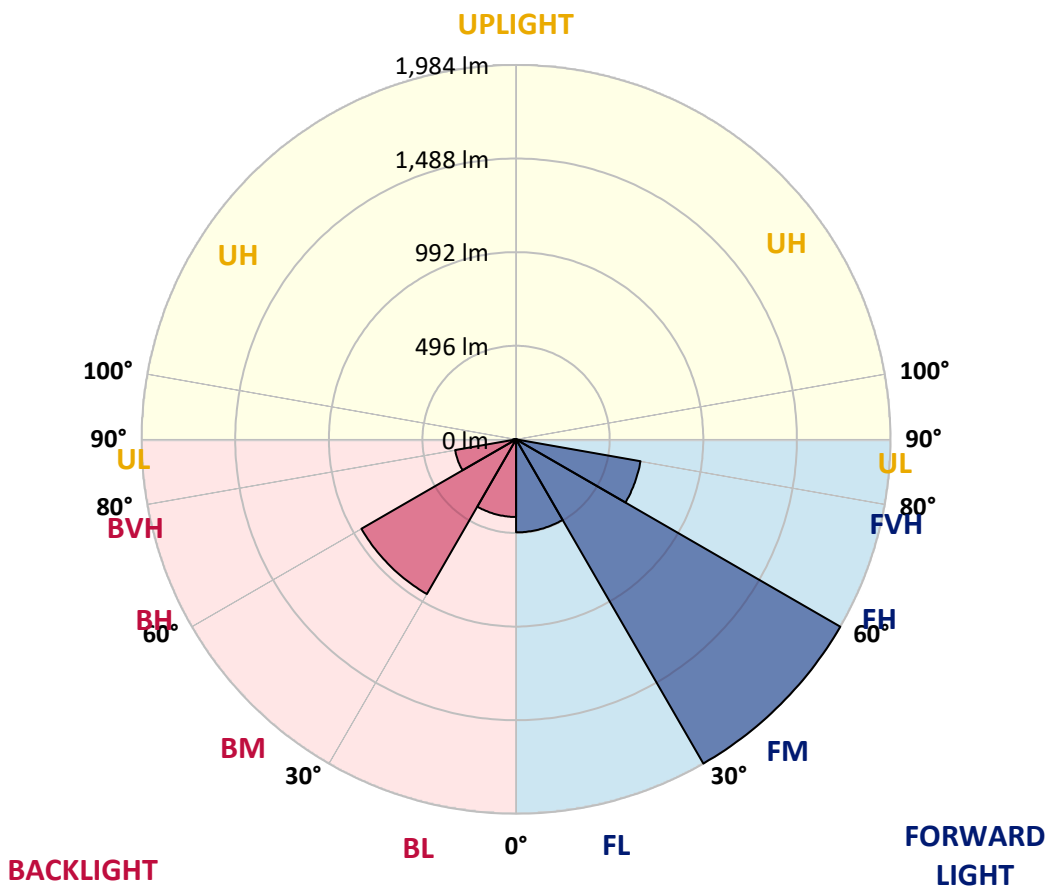
CATALOG NUMBER: GWS-SA1D-750-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.8	10.2			
FM (30°-60°)	1983.6	40.9			
FH (60°-80°)	669.5	13.8			G1/1800
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	411.2	8.5	B1/500		
BM (30°-60°)	946.3	19.5	B1/1000		
BH (60°-80°)	327.8	6.8	B1/500		G1/500
BVH (80°-90°)	15.9	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°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	1042.7	1049.9	1054.3	1062.8	1077.9	1086.3	1095.7	1085.4	1088.1	1086.8	1070.3
5°	1104.6	1113.0	1124.6	1149.5	1177.5	1193.0	1207.7	1205.5	1191.7	1168.6	1152.1
7.5°	1162.4	1172.1	1192.2	1232.6	1274.0	1298.0	1315.8	1304.2	1292.7	1256.2	1214.8
10°	1207.7	1213.5	1240.6	1294.9	1342.9	1370.0	1391.8	1389.1	1373.1	1332.2	1276.6
12.5°	1250.4	1254.4	1283.8	1338.0	1381.1	1393.1	1410.9	1416.7	1411.4	1380.7	1326.0
15°	1296.2	1303.8	1330.9	1372.2	1391.8	1379.4	1385.6	1401.6	1416.7	1416.7	1366.5
17.5°	1338.9	1345.6	1373.1	1390.9	1372.2	1339.3	1341.1	1361.6	1397.6	1435.4	1403.4
20°	1376.7	1382.9	1410.0	1393.1	1334.0	1286.0	1284.6	1309.6	1367.8	1447.4	1443.0
22.5°	1418.1	1426.9	1449.6	1394.9	1298.4	1237.5	1237.1	1262.9	1341.6	1459.4	1488.3
25°	1476.7	1490.5	1502.1	1410.5	1279.3	1205.9	1211.7	1236.2	1333.1	1479.0	1555.5
27.5°	1563.9	1575.0	1574.1	1443.0	1278.4	1193.0	1205.1	1233.5	1348.2	1513.7	1626.2
30°	1658.2	1664.0	1654.6	1488.3	1298.9	1201.1	1218.8	1252.6	1386.5	1571.0	1730.2
32.5°	1762.7	1769.8	1752.0	1556.3	1346.5	1260.2	1299.3	1315.8	1440.3	1653.7	1840.5
35°	1882.7	1896.5	1859.6	1646.2	1486.5	1475.9	1532.8	1511.4	1554.6	1751.6	1958.3
37.5°	2009.0	2009.5	1956.5	1779.1	1761.3	1779.6	1893.4	1826.7	1796.9	1860.5	2078.4
40°	2116.2	2113.5	2032.1	1958.3	2000.6	2073.0	2210.5	2108.2	2029.9	2006.8	2178.0
42.5°	2223.3	2213.6	2131.3	2072.2	2165.5	2314.5	2469.7	2344.3	2179.3	2139.7	2276.3
45°	2360.3	2357.2	2258.0	2117.5	2314.5	2584.9	2790.7	2587.5	2267.8	2217.1	2439.9
47.5°	2581.3	2566.2	2381.6	2114.0	2454.1	2945.0	3205.2	2893.9	2329.6	2218.9	2704.0
50°	2797.4	2778.7	2529.3	2113.5	2598.2	3318.6	3694.3	3266.1	2392.8	2229.6	2972.6
52.5°	3015.7	3015.7	2771.6	2163.8	2749.4	3735.7	4259.5	3729.9	2500.4	2369.2	3303.0
55°	3145.6	3180.3	3044.2	2248.7	2926.4	4226.6	4818.4	4230.6	2666.7	2621.3	3608.0
57.5°	2980.6	3045.5	3026.0	2189.6	3030.9	4587.2	5292.5	4610.3	2748.9	2651.1	3562.2
60°	2428.8	2519.1	2564.0	1890.7	2927.7	4629.0	5391.6	4635.2	2579.1	2257.6	3051.3
62.5°	1614.6	1688.9	1757.3	1350.9	2534.6	4164.3	4768.6	4165.7	2154.0	1684.9	2114.0
65°	792.0	847.1	920.9	798.6	1980.1	3479.5	3717.9	3366.1	1558.1	943.1	1078.3
67.5°	207.2	222.8	233.0	309.9	1418.5	2499.9	2424.8	2462.1	1001.0	308.2	281.9
70°	107.6	108.5	108.1	128.1	958.7	1588.8	1671.1	1546.1	698.6	129.0	111.2
72.5°	76.9	77.4	76.0	86.3	462.9	910.2	943.1	932.9	366.0	76.5	76.0
75°	50.2	50.7	49.8	50.7	69.8	103.6	95.6	100.5	60.9	48.5	48.5
77.5°	29.8	30.2	29.8	30.7	29.8	29.8	27.6	27.6	26.2	26.2	26.7
80°	20.0	20.0	19.6	20.5	18.7	18.7	17.8	17.3	16.0	15.6	15.6
82.5°	12.0	12.5	12.0	12.0	11.1	11.1	10.2	9.8	8.4	8.4	8.0
85°	6.2	6.2	5.8	5.8	4.9	4.4	3.6	3.6	2.7	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°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	1065.9	1057.0	1043.6	1030.7	1018.7	1006.3	992.1	977.4	964.9	952.0	945.4
5°	1130.3	1112.1	1077.4	1046.8	1019.2	996.5	972.0	951.1	931.6	915.6	907.6
7.5°	1188.6	1160.1	1107.7	1059.2	1021.8	990.7	956.9	925.8	899.6	880.0	872.4
10°	1242.4	1208.6	1139.7	1078.3	1034.7	1000.1	958.7	916.5	881.8	856.0	849.8
12.5°	1286.0	1247.3	1165.0	1093.9	1042.3	1005.0	968.5	932.0	897.8	864.4	859.1
15°	1324.7	1278.9	1184.2	1103.7	1039.6	992.1	961.4	956.9	956.9	919.1	908.5
17.5°	1358.0	1307.8	1199.7	1108.1	1022.7	953.8	935.1	973.8	1017.4	990.3	966.3
20°	1396.3	1335.3	1212.6	1108.1	991.6	905.3	903.6	969.4	1033.9	1034.3	1009.0
22.5°	1434.9	1367.4	1227.7	1104.1	948.9	849.3	882.2	951.6	1009.0	1033.4	1016.1
25°	1497.6	1411.8	1251.7	1101.0	899.1	811.1	863.1	928.0	976.5	1002.3	991.2
27.5°	1577.2	1470.5	1288.2	1105.9	849.8	788.4	842.6	897.3	941.4	964.0	956.0
30°	1666.2	1538.1	1327.3	1114.3	814.2	776.8	818.2	862.2	901.3	924.0	920.5
32.5°	1779.6	1611.5	1361.1	1102.8	794.2	771.1	792.4	824.0	861.8	876.0	879.1
35°	1915.2	1692.4	1386.9	1057.4	775.9	764.8	764.4	784.0	810.6	833.3	835.5
37.5°	2040.1	1787.1	1415.4	979.6	743.0	749.3	731.5	743.0	769.3	792.0	800.8
40°	2163.8	1883.2	1455.0	880.4	699.9	714.6	693.7	701.7	722.6	752.4	766.6
42.5°	2283.8	1969.9	1496.8	779.1	656.8	666.1	650.6	658.6	680.3	717.7	733.7
45°	2414.6	2087.3	1529.2	683.5	619.4	615.4	603.0	614.5	647.4	688.3	707.5
47.5°	2661.8	2272.3	1550.6	619.9	599.4	570.5	556.3	581.2	618.5	659.9	683.0
50°	2963.7	2540.0	1544.3	579.4	582.1	524.3	519.4	552.3	592.3	635.4	660.8
52.5°	3203.0	2802.8	1473.6	540.7	548.3	494.9	480.7	528.7	567.0	611.0	637.2
55°	3385.7	2891.2	1256.6	494.9	493.1	473.6	443.8	504.3	541.6	582.5	611.0
57.5°	3236.7	2694.3	931.6	431.8	421.1	431.3	402.4	462.9	510.5	550.9	576.3
60°	2686.2	2148.2	518.9	382.4	352.2	377.1	372.6	419.3	476.7	519.4	541.2
62.5°	1823.6	1430.5	307.7	302.4	285.5	321.1	344.6	375.3	431.8	466.5	486.9
65°	908.9	695.0	204.5	226.3	228.6	264.1	308.6	342.4	389.5	425.1	445.6
67.5°	263.7	216.1	155.6	173.0	197.0	225.4	261.0	301.0	346.8	389.1	413.1
70°	113.8	115.2	123.6	144.1	167.6	197.0	232.6	271.7	310.4	342.8	361.1
72.5°	80.5	83.6	92.9	113.8	136.1	164.1	199.7	237.5	265.5	298.4	317.5
75°	51.6	53.8	61.4	77.4	93.8	121.0	154.7	189.4	218.3	241.9	260.1
77.5°	28.5	28.9	35.1	44.5	55.6	72.9	97.8	125.0	146.3	159.6	176.1
80°	16.5	16.5	19.6	25.3	32.0	42.7	56.5	69.8	82.7	91.2	99.2
82.5°	8.9	8.9	10.2	13.8	17.3	23.6	31.6	38.2	46.2	50.7	56.0
85°	2.7	2.7	3.6	4.9	6.2	8.9	12.5	16.0	19.6	22.7	25.8
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°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	944.0	937.8	934.3	929.8	931.1	927.1	924.9	926.2	918.2	926.2	934.3
5°	904.5	895.6	888.4	882.7	880.0	874.7	871.6	871.6	866.7	874.7	884.4
7.5°	869.8	862.7	859.1	855.5	851.5	846.7	841.3	839.5	836.4	844.9	853.3
10°	846.7	847.5	849.8	854.7	853.8	850.7	842.6	838.2	838.2	848.0	860.9
12.5°	857.3	866.7	872.0	880.9	882.7	880.0	872.0	868.4	877.3	892.0	913.4
15°	898.7	904.9	909.3	916.5	916.0	913.8	907.6	910.2	939.6	968.0	987.2
17.5°	943.6	936.5	935.6	940.0	941.4	938.7	935.1	947.1	995.6	1022.3	1032.1
20°	976.0	951.6	946.3	948.0	951.6	950.3	950.3	969.8	1020.1	1032.5	1020.1
22.5°	985.8	951.1	943.1	943.6	948.5	948.9	951.1	971.6	1001.0	1001.4	982.3
25°	970.3	936.9	931.1	932.0	937.8	937.4	938.3	949.8	962.7	957.4	943.1
27.5°	940.9	912.0	910.2	915.1	922.7	918.7	916.0	919.1	925.4	918.7	906.2
30°	907.6	883.1	884.0	893.3	901.3	894.7	888.0	889.8	890.2	883.1	868.9
32.5°	872.4	854.2	857.3	867.1	876.4	869.3	862.2	861.3	852.9	844.4	830.6
35°	837.3	830.2	834.2	842.2	850.2	844.4	840.0	837.3	819.1	806.6	795.1
37.5°	805.3	810.6	817.7	822.6	825.3	824.9	822.2	816.0	792.0	777.3	762.2
40°	776.8	793.3	800.8	803.1	807.1	806.2	805.7	796.8	765.3	749.7	732.4
42.5°	751.0	774.2	787.1	789.3	791.5	792.0	790.6	777.7	741.7	723.5	707.0
45°	726.1	756.4	772.8	770.6	773.7	773.7	775.1	758.2	718.6	699.9	682.6
47.5°	704.4	739.9	755.0	752.4	754.2	755.5	756.8	737.3	693.2	675.5	657.7
50°	684.3	722.1	735.0	735.9	735.9	739.0	738.6	719.5	671.9	652.8	635.0
52.5°	663.0	703.9	717.7	723.5	725.3	726.6	720.4	698.1	650.1	627.0	610.5
55°	638.1	685.2	697.7	705.2	708.8	707.9	699.5	676.8	627.9	604.8	586.1
57.5°	600.3	645.2	663.0	666.6	672.3	668.8	659.0	639.9	592.3	569.2	550.1
60°	558.9	591.4	605.6	608.8	604.3	605.6	604.3	586.1	544.7	526.5	506.9
62.5°	504.7	533.6	548.7	552.7	545.2	550.1	548.3	525.6	484.2	465.1	447.8
65°	463.8	495.4	513.1	515.4	513.1	515.4	509.1	481.6	442.4	422.9	405.1
67.5°	431.8	464.2	482.9	489.1	486.9	486.5	476.7	444.7	404.2	382.9	360.2
70°	376.6	405.1	429.1	444.2	444.2	435.8	417.1	387.3	354.8	336.6	318.8
72.5°	333.5	369.5	393.1	408.7	411.8	406.9	380.6	349.1	311.7	293.5	274.8
75°	274.8	309.9	335.3	355.7	359.7	354.4	324.2	293.0	258.4	240.6	221.9
77.5°	183.6	204.5	225.0	243.7	239.7	243.2	222.8	199.2	177.9	164.5	156.1
80°	103.6	117.4	123.6	133.8	133.8	133.8	120.5	109.4	97.4	89.8	81.4
82.5°	58.7	67.6	70.3	78.7	80.9	81.4	72.5	65.4	57.8	53.8	48.0
85°	27.1	32.0	32.5	37.4	39.1	42.7	38.7	33.8	29.3	27.6	24.0
87.5°	0.9	2.7	3.6	6.7	8.9	10.2	11.1	11.1	9.3	8.4	7.1
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-750-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	944.0	954.7	967.2	976.0	992.1	1005.4	1019.2	1034.3	1045.4	1042.7
5°	896.5	914.2	936.9	957.8	987.6	1017.8	1051.2	1085.4	1105.4	1104.6
7.5°	869.8	895.1	922.7	950.7	985.8	1029.4	1080.5	1133.9	1161.0	1162.4
10°	884.0	911.1	929.8	953.4	990.3	1045.0	1106.3	1170.4	1201.5	1207.7
12.5°	928.9	926.7	925.4	942.3	986.7	1056.1	1131.2	1207.7	1242.9	1250.4
15°	971.6	925.8	898.2	909.8	970.7	1063.2	1155.7	1248.6	1288.2	1296.2
17.5°	979.6	910.2	859.1	867.1	945.4	1065.4	1179.3	1288.7	1331.3	1338.9
20°	957.4	890.2	830.6	819.5	913.4	1059.6	1193.9	1322.0	1368.7	1376.7
22.5°	929.4	872.4	809.3	780.4	874.2	1053.9	1210.4	1357.1	1410.9	1418.1
25°	900.0	849.8	789.3	745.3	829.8	1050.3	1238.0	1403.4	1468.3	1476.7
27.5°	868.9	822.2	771.9	728.4	788.8	1054.8	1277.1	1478.1	1551.9	1563.9
30°	835.5	794.6	760.8	722.6	760.8	1058.8	1320.2	1554.6	1641.3	1658.2
32.5°	800.8	769.3	749.3	725.3	743.5	1049.4	1358.0	1640.4	1748.0	1762.7
35°	766.2	743.5	734.6	730.1	720.4	1015.2	1388.7	1727.1	1869.8	1882.7
37.5°	733.7	716.8	714.1	719.0	684.8	959.2	1424.3	1837.4	1989.5	2009.0
40°	703.5	687.9	687.5	686.6	645.7	882.7	1472.3	1949.4	2107.3	2116.2
42.5°	675.5	655.9	659.4	648.8	613.6	800.0	1517.7	2045.0	2217.1	2223.3
45°	650.6	624.8	628.8	615.4	598.5	713.2	1557.7	2158.0	2356.3	2360.3
47.5°	626.5	599.0	587.9	587.0	595.9	633.2	1596.8	2375.4	2574.2	2581.3
50°	604.3	574.5	542.9	562.5	579.4	573.2	1645.7	2608.4	2799.2	2797.4
52.5°	583.0	543.8	498.9	536.7	536.7	528.7	1631.9	2749.8	2985.1	3015.7
55°	558.5	494.5	453.1	493.6	474.0	488.7	1387.8	2796.1	3102.0	3145.6
57.5°	510.0	433.6	397.5	419.3	390.0	453.1	996.9	2566.6	2903.2	2980.6
60°	463.3	388.6	365.1	361.1	322.8	369.5	646.1	2009.5	2389.7	2428.8
62.5°	408.7	350.0	329.9	299.3	259.7	269.0	391.3	1322.4	1605.7	1614.6
65°	367.3	317.0	278.8	242.3	212.6	195.2	231.2	637.7	802.6	792.0
67.5°	315.3	271.7	235.2	209.0	184.5	162.7	153.9	189.4	214.3	207.2
70°	280.6	238.8	203.7	178.8	156.1	134.3	118.7	111.6	109.4	107.6
72.5°	241.9	205.4	169.0	145.0	123.6	103.6	89.4	80.9	78.7	76.9
75°	193.0	158.7	125.4	102.7	84.0	69.8	60.5	53.4	52.0	50.2
77.5°	127.6	101.8	74.7	60.9	49.8	42.2	36.0	31.6	30.7	29.8
80°	70.3	58.7	45.8	36.9	29.8	25.8	23.6	20.9	20.5	20.0
82.5°	41.8	35.1	26.2	20.9	17.3	15.6	14.2	12.9	12.5	12.0
85°	20.9	16.5	11.6	9.8	8.9	8.0	8.0	6.7	6.2	6.2
87.5°	5.3	4.4	2.7	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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