

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: P630230

Luminaire Tested: GWS-SA1D-730-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4298 lumens
Efficiency: N/A
Efficacy: 97.0 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

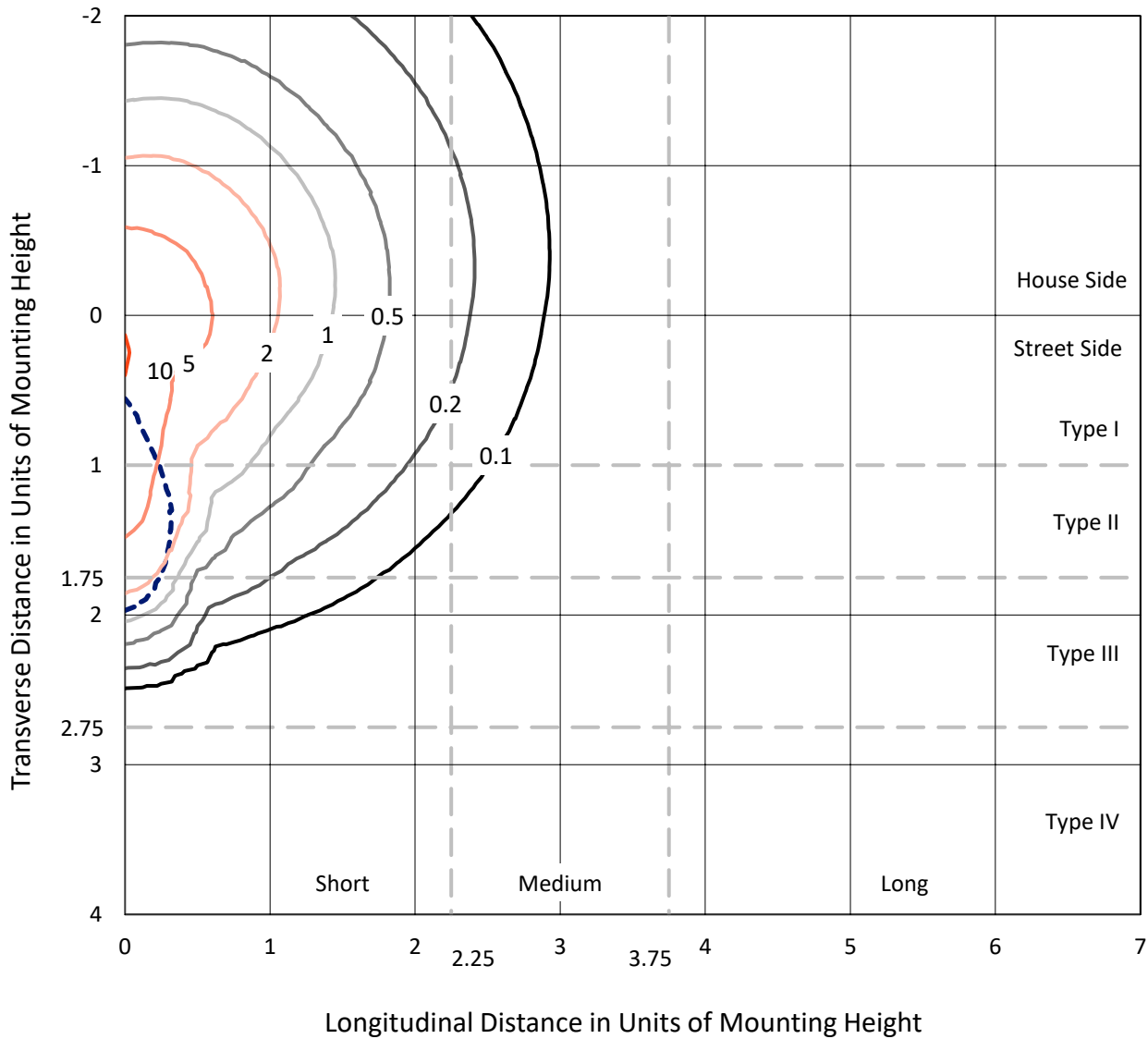
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

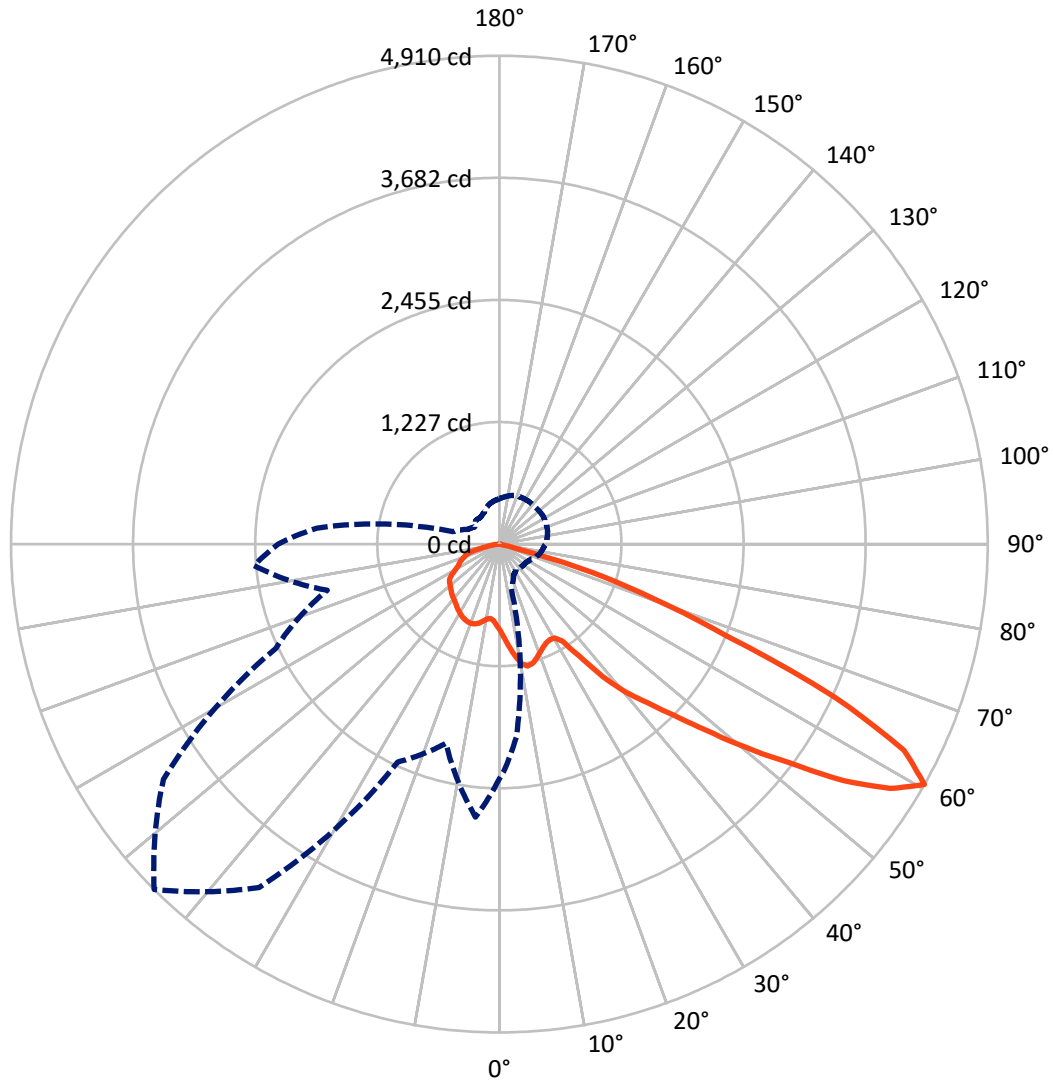
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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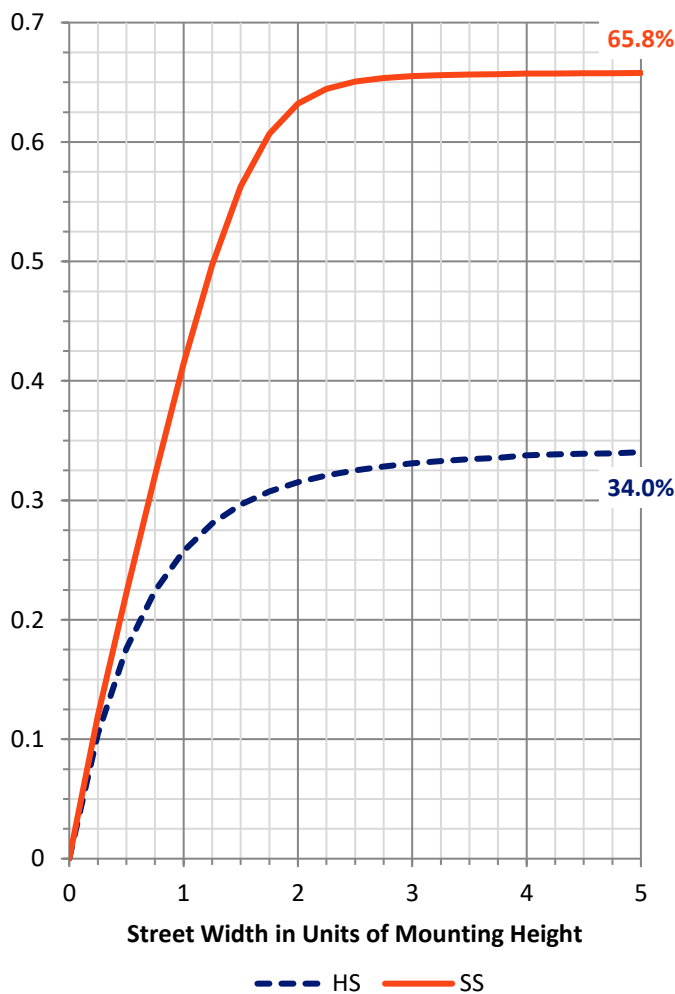
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1470.3	0.0	1470.3
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	2827.7	0.0	2827.7
	% Fixture	65.8	0.0	65.8
Total	Lumens	4298.0	0.0	4298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	2.0
10°-20°	271.6	6.3
20°-30°	442.4	10.3
30°-40°	621.5	14.5
40°-50°	850.4	19.8
50°-60°	1091.1	25.4
60°-70°	734.7	17.1
70°-80°	183.7	4.3
80°-90°	17.9	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°	4298.0	100.0
0°-180°	4298.0	100.0

Coefficient of Utilization



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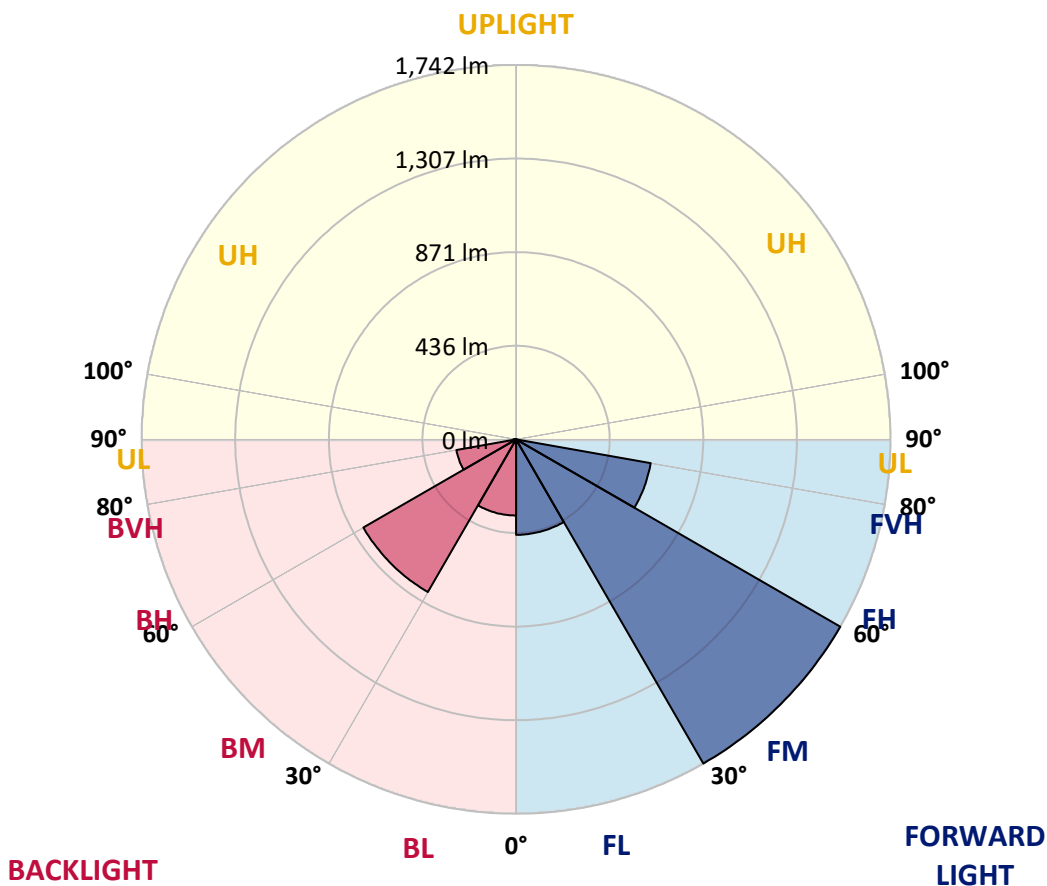
CATALOG NUMBER: GWS-SA1D-730-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.3	10.3			
FM (30°-60°)	1742.4	40.5			
FH (60°-80°)	636.3	14.8			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	354.4	8.2	B1/500		
BM (30°-60°)	820.5	19.1	B1/1000		
BH (60°-80°)	282.1	6.6	B1/500		G1/500
BVH (80°-90°)	13.3	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°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	917.1	915.2	913.2	897.7	893.8	882.7	874.8	864.9	850.6	842.7	836.0
5°	974.5	971.4	960.7	929.0	908.4	885.9	867.3	846.7	824.9	810.7	799.6
7.5°	1028.8	1028.0	1009.8	957.5	924.3	891.8	866.5	836.4	805.1	783.7	769.5
10°	1079.0	1073.1	1051.3	983.2	939.7	902.5	875.2	841.9	805.5	776.6	757.6
12.5°	1123.4	1115.8	1085.8	1007.0	953.2	907.2	877.5	850.2	826.1	801.9	780.2
15°	1159.8	1150.7	1120.2	1029.1	965.0	904.5	862.9	841.5	849.8	860.5	836.4
17.5°	1193.8	1184.3	1147.1	1045.4	968.6	887.4	826.9	817.8	859.7	908.4	897.3
20°	1222.3	1211.6	1168.5	1053.3	962.3	855.0	780.2	796.0	851.4	909.6	927.4
22.5°	1253.2	1244.5	1192.6	1064.8	954.3	810.3	741.0	779.8	837.2	888.2	915.2
25°	1302.7	1292.0	1230.2	1085.0	950.4	768.3	712.9	763.9	817.4	863.7	884.7
27.5°	1374.3	1354.5	1281.7	1120.2	954.7	728.7	695.1	744.6	794.4	834.0	851.0
30°	1452.3	1428.5	1338.7	1156.6	961.1	704.6	685.6	722.4	759.2	798.8	817.4
32.5°	1544.5	1523.5	1399.6	1183.9	947.6	693.5	678.4	698.2	727.5	759.2	774.6
35°	1654.6	1617.0	1466.1	1206.1	904.1	677.3	672.1	671.7	687.2	718.0	735.4
37.5°	1772.9	1732.5	1548.1	1229.8	836.4	651.5	657.1	640.4	654.7	679.2	699.0
40°	1869.9	1827.5	1630.8	1262.3	751.7	611.2	623.8	606.0	614.7	640.1	662.2
42.5°	1964.9	1919.8	1708.0	1299.1	669.7	571.6	577.9	571.2	573.9	600.5	631.3
45°	2089.6	2038.9	1803.0	1325.2	596.1	540.3	534.4	522.9	537.5	572.0	604.8
47.5°	2297.8	2237.2	1958.6	1342.2	542.7	522.5	495.2	488.5	506.7	545.1	579.1
50°	2541.2	2489.0	2207.1	1341.5	502.7	507.5	457.2	451.2	481.3	520.1	556.1
52.5°	2740.7	2687.7	2419.7	1301.9	469.8	475.4	435.0	418.4	459.6	495.6	531.6
55°	2901.8	2842.0	2517.5	1136.4	428.3	424.3	410.9	380.4	432.2	471.0	504.7
57.5°	2815.1	2743.9	2399.1	864.1	385.5	360.6	369.3	346.7	395.0	443.7	476.2
60°	2360.3	2296.2	1949.1	460.0	339.2	301.2	319.4	323.0	354.3	410.9	444.1
62.5°	1621.3	1574.6	1320.9	279.1	267.6	241.9	270.3	296.1	319.4	367.3	396.2
65°	793.2	779.4	660.6	178.9	187.2	195.5	224.0	255.3	289.7	331.7	362.2
67.5°	218.5	220.1	200.3	139.7	147.6	170.6	193.2	218.1	252.5	291.3	322.2
70°	96.2	97.8	100.9	107.7	122.7	143.7	167.0	192.8	224.4	256.9	286.6
72.5°	66.9	68.5	73.2	81.9	95.4	115.2	137.4	161.9	194.7	222.1	246.6
75°	41.2	42.4	46.7	54.2	63.3	78.4	100.1	122.7	151.6	176.5	198.3
77.5°	21.8	21.0	23.7	28.9	36.8	44.7	59.4	73.6	94.2	114.4	132.6
80°	11.9	11.5	13.1	15.8	18.2	24.5	34.4	43.9	55.8	67.3	77.2
82.5°	5.1	4.7	5.1	6.7	8.3	11.9	17.4	24.1	30.9	38.8	45.1
85°	0.0	0.0	0.0	0.4	2.0	3.2	5.9	8.7	12.7	17.4	21.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.6
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°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	832.0	822.1	821.3	813.4	814.2	814.6	806.7	803.5	806.3	809.5	807.9
5°	795.6	785.3	781.0	773.4	772.7	769.1	765.9	762.0	764.7	767.5	769.1
7.5°	763.9	757.2	754.4	752.5	753.3	751.7	745.3	741.8	741.4	742.6	744.2
10°	753.7	748.1	751.7	757.2	761.2	763.9	757.2	751.3	745.7	743.4	743.4
12.5°	775.8	768.7	775.8	781.8	789.7	791.7	784.1	777.8	775.8	778.2	782.9
15°	824.9	808.3	807.9	811.4	817.8	820.9	813.8	810.7	810.7	825.7	837.6
17.5°	874.0	846.7	835.2	833.2	837.2	838.4	832.4	829.7	836.8	866.1	888.2
20°	908.4	875.2	850.2	845.5	846.7	847.1	842.3	840.3	850.6	886.3	904.9
22.5°	904.9	880.3	849.8	843.9	845.9	845.1	840.7	839.9	848.3	879.1	887.8
25°	880.3	861.3	835.6	831.6	834.8	834.4	830.0	828.1	831.6	852.2	853.0
27.5°	852.2	835.6	813.4	812.2	817.4	820.2	812.6	806.7	805.5	819.4	816.2
30°	818.6	806.3	788.5	789.3	798.8	800.4	791.3	782.5	780.2	787.7	783.3
32.5°	778.6	774.6	765.1	767.1	776.2	779.4	769.9	760.8	758.0	760.4	751.3
35°	744.6	743.0	743.8	747.3	755.2	757.6	749.7	742.6	738.6	730.3	718.4
37.5°	709.3	713.7	725.2	731.9	736.2	735.4	731.1	725.9	719.6	704.2	689.5
40°	676.5	687.6	708.1	715.7	717.2	717.6	714.5	710.1	702.2	681.6	665.0
42.5°	651.1	663.4	690.7	702.2	703.0	703.8	700.6	697.1	686.0	658.7	642.4
45°	624.6	640.8	672.9	686.8	686.0	685.6	682.8	681.2	668.2	636.5	618.7
47.5°	602.1	621.1	655.5	667.4	667.0	666.6	664.6	664.6	651.5	617.1	596.9
50°	579.9	601.7	637.7	647.6	648.4	647.6	646.8	648.0	632.5	595.7	575.9
52.5°	555.7	580.3	617.9	627.0	631.7	633.7	633.7	630.9	612.7	574.3	552.6
55°	529.2	552.6	596.1	608.4	612.3	615.9	615.9	610.4	593.3	554.6	531.2
57.5°	496.4	516.9	551.4	563.7	573.2	575.5	575.5	566.4	552.6	515.4	496.4
60°	460.7	478.6	501.9	515.0	522.1	517.3	520.9	518.5	507.5	473.0	457.2
62.5°	413.2	431.5	457.2	470.6	473.8	469.1	473.8	473.4	458.4	427.5	408.5
65°	379.2	397.0	422.3	439.8	444.9	443.7	446.9	442.1	423.5	394.2	376.0
67.5°	338.8	357.8	387.1	406.5	417.2	418.4	422.7	412.8	393.8	361.8	338.8
70°	300.4	316.7	339.2	357.4	372.5	380.0	380.8	366.5	342.8	316.3	299.6
72.5°	260.1	276.7	304.0	323.8	342.8	351.5	351.5	334.1	308.3	279.1	261.2
75°	211.0	226.4	251.4	272.7	294.5	305.6	305.2	290.1	261.6	233.9	215.3
77.5°	142.9	154.4	170.2	186.4	189.6	198.3	202.7	183.7	167.8	152.8	136.2
80°	83.1	90.2	99.0	108.1	110.0	112.8	105.7	98.6	90.2	80.4	72.8
82.5°	48.7	53.4	57.8	64.9	66.1	66.9	60.6	57.4	50.7	44.7	40.0
85°	23.7	25.3	29.3	32.9	31.3	30.5	27.7	24.5	21.8	19.4	17.0
87.5°	4.7	4.7	7.1	6.7	5.5	4.7	2.8	3.6	0.8	0.8	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°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	813.0	819.8	828.1	839.2	851.8	865.3	878.3	888.2	898.1	912.8	910.4
5°	771.5	782.9	796.0	813.0	833.6	857.0	883.1	909.2	937.3	961.1	971.4
7.5°	747.3	760.0	775.4	797.6	824.1	852.6	889.4	931.8	977.3	1008.6	1028.0
10°	747.3	763.6	783.7	805.1	828.5	857.8	903.3	956.3	1014.9	1056.1	1078.6
12.5°	790.5	806.7	811.0	810.3	823.3	855.8	914.4	982.0	1052.1	1095.6	1123.4
15°	857.8	863.3	830.4	800.4	802.3	841.5	919.5	1002.6	1084.2	1136.4	1166.5
17.5°	902.9	888.2	829.7	777.0	765.9	817.4	919.5	1022.4	1118.2	1177.2	1205.3
20°	906.4	870.0	809.5	754.4	725.9	785.3	913.2	1037.5	1151.1	1216.4	1246.5
22.5°	875.2	839.2	788.1	735.1	693.1	746.5	902.9	1048.9	1179.2	1253.2	1290.4
25°	839.5	809.5	766.3	715.3	670.5	707.3	893.4	1068.3	1218.4	1303.1	1340.7
27.5°	804.7	779.4	740.2	698.6	657.9	673.3	887.4	1096.8	1265.1	1373.9	1406.4
30°	770.7	747.7	712.1	682.8	651.1	651.1	882.3	1129.7	1326.8	1453.5	1485.9
32.5°	736.2	714.5	685.6	667.4	647.2	642.4	868.0	1160.6	1390.5	1540.6	1573.8
35°	704.2	682.4	660.2	652.7	645.2	635.7	832.8	1184.7	1452.7	1642.3	1670.8
37.5°	674.1	653.1	636.5	634.5	635.3	617.5	777.4	1204.9	1530.3	1746.4	1761.4
40°	648.0	624.6	611.6	611.2	615.1	588.2	707.3	1233.8	1618.9	1834.7	1828.3
42.5°	624.6	600.1	584.2	587.8	585.4	558.9	638.9	1260.3	1696.1	1917.4	1904.7
45°	601.7	577.9	555.7	560.9	558.1	540.7	580.7	1279.7	1781.6	2016.7	2018.3
47.5°	579.5	556.1	534.0	527.6	527.2	535.2	535.9	1286.0	1920.9	2176.7	2140.6
50°	558.9	535.6	512.6	491.2	499.5	524.1	502.7	1281.3	2129.5	2353.2	2252.7
52.5°	537.5	515.4	490.0	451.6	473.4	497.6	473.0	1264.3	2257.0	2509.1	2449.0
55°	513.0	492.0	457.6	410.9	437.4	442.5	442.5	1099.6	2311.2	2663.5	2700.7
57.5°	480.1	452.4	397.8	360.2	384.0	364.2	410.1	769.5	2221.8	2614.8	2759.3
60°	442.9	413.2	355.5	328.5	335.7	300.8	349.5	482.5	1841.4	2224.9	2475.1
62.5°	393.8	366.5	318.6	297.7	283.0	245.4	281.4	305.2	1262.3	1652.2	1822.8
65°	361.0	330.9	288.2	260.5	230.4	197.5	186.8	200.3	678.8	924.7	1039.8
67.5°	322.2	292.5	252.1	217.3	193.2	169.4	150.8	146.1	232.7	308.0	333.3
70°	285.4	256.9	223.2	190.8	166.6	143.3	125.1	112.0	107.7	106.9	105.3
72.5°	247.8	221.3	193.2	163.1	136.6	115.2	99.0	83.9	77.6	75.6	73.6
75°	203.1	182.1	154.0	121.5	100.1	80.4	67.7	57.8	52.2	50.3	47.9
77.5°	130.6	121.1	96.6	78.4	60.6	47.9	41.2	34.8	31.3	30.5	28.5
80°	69.7	64.9	53.4	45.1	36.0	29.3	25.7	22.2	20.2	19.4	18.6
82.5°	38.8	35.2	29.7	26.1	21.0	17.8	15.8	14.2	13.1	12.7	12.3
85°	17.4	15.0	11.9	11.1	9.9	9.1	8.7	7.9	7.5	7.1	6.7
87.5°	0.8	1.6	2.0	1.6	1.6	2.4	2.8	2.8	2.4	2.4	2.0
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-730-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9	866.9
2.5°	925.0	936.9	938.1	942.1	936.9	935.7	927.4	922.7	918.3	917.1
5°	997.1	1020.8	1030.3	1037.1	1030.7	1027.6	1009.4	990.4	979.7	974.5
7.5°	1071.1	1106.7	1125.3	1133.6	1134.4	1120.2	1088.9	1053.3	1035.5	1028.8
10°	1137.2	1181.1	1205.7	1221.5	1216.0	1198.6	1155.8	1107.5	1085.0	1079.0
12.5°	1186.3	1228.3	1247.3	1257.5	1257.1	1247.6	1207.3	1155.0	1129.3	1123.4
15°	1218.0	1242.9	1244.1	1246.5	1253.2	1265.9	1244.9	1196.6	1168.1	1159.8
17.5°	1242.9	1233.0	1214.4	1208.1	1223.1	1258.3	1271.0	1231.8	1200.9	1193.8
20°	1258.7	1208.9	1176.0	1163.7	1181.1	1238.5	1286.8	1263.5	1231.4	1222.3
22.5°	1271.0	1186.3	1133.3	1124.9	1143.1	1217.2	1303.1	1301.1	1265.9	1253.2
25°	1290.4	1171.3	1103.2	1097.2	1114.3	1206.9	1324.8	1352.1	1320.9	1302.7
27.5°	1320.9	1169.7	1087.7	1085.8	1109.1	1216.0	1356.1	1427.0	1387.8	1374.3
30°	1363.2	1184.7	1091.3	1095.3	1123.8	1248.8	1404.8	1512.5	1473.3	1452.3
32.5°	1424.2	1225.1	1145.5	1162.5	1183.5	1301.5	1476.0	1605.1	1575.4	1544.5
35°	1504.5	1335.9	1305.8	1378.3	1358.5	1416.7	1561.9	1717.5	1681.5	1654.6
37.5°	1611.8	1563.1	1590.8	1690.6	1642.7	1634.4	1666.8	1819.6	1799.8	1772.9
40°	1762.2	1772.1	1823.2	1954.2	1884.9	1831.5	1795.5	1896.4	1903.1	1869.9
42.5°	1862.0	1907.5	2030.6	2179.4	2084.0	1956.2	1903.1	1994.6	1995.0	1964.9
45°	1899.2	2018.3	2275.6	2447.0	2287.5	2027.4	1962.5	2128.0	2124.0	2089.6
47.5°	1885.7	2111.7	2530.1	2792.2	2548.7	2078.1	1954.2	2318.0	2350.0	2297.8
50°	1857.6	2205.5	2827.4	3214.9	2869.3	2131.9	1941.5	2528.5	2581.6	2541.2
52.5°	1886.1	2310.0	3178.9	3651.9	3271.5	2217.8	2027.0	2798.9	2789.4	2740.7
55°	1976.4	2433.5	3606.0	4200.9	3713.3	2363.1	2246.7	3056.6	2960.0	2901.8
57.5°	1972.0	2521.8	3980.4	4635.1	4097.6	2482.2	2323.1	3083.9	2888.7	2815.1
60°	1789.9	2481.4	4122.9	4909.8	4213.6	2416.5	2071.8	2754.6	2437.5	2360.3
62.5°	1335.9	2202.0	3846.6	4565.9	3885.4	2087.2	1558.0	1977.2	1751.5	1621.3
65°	854.6	1722.6	3233.9	3699.0	3202.6	1596.4	927.8	1060.0	830.4	793.2
67.5°	363.8	1216.0	2513.9	2472.3	2395.9	1034.3	358.2	298.5	222.5	218.5
70°	120.3	827.3	1549.7	1649.0	1430.9	712.5	118.4	100.1	99.7	96.2
72.5°	78.8	444.1	872.4	971.4	920.7	410.1	71.6	66.9	68.5	66.9
75°	47.1	96.6	146.9	190.8	146.9	68.9	43.1	42.4	43.1	41.2
77.5°	27.7	26.9	26.1	26.1	25.7	23.7	21.8	21.0	21.4	21.8
80°	17.8	17.0	16.2	15.8	13.9	13.1	12.3	11.5	11.5	11.9
82.5°	11.5	10.7	9.9	8.7	7.1	5.9	5.5	4.7	4.7	5.1
85°	5.9	4.7	3.6	2.8	1.6	0.8	0.0	0.0	0.0	0.0
87.5°	1.2	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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