

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: P630234

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630234
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4320.2 lumens
Efficiency: N/A
Efficacy: 97.5 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

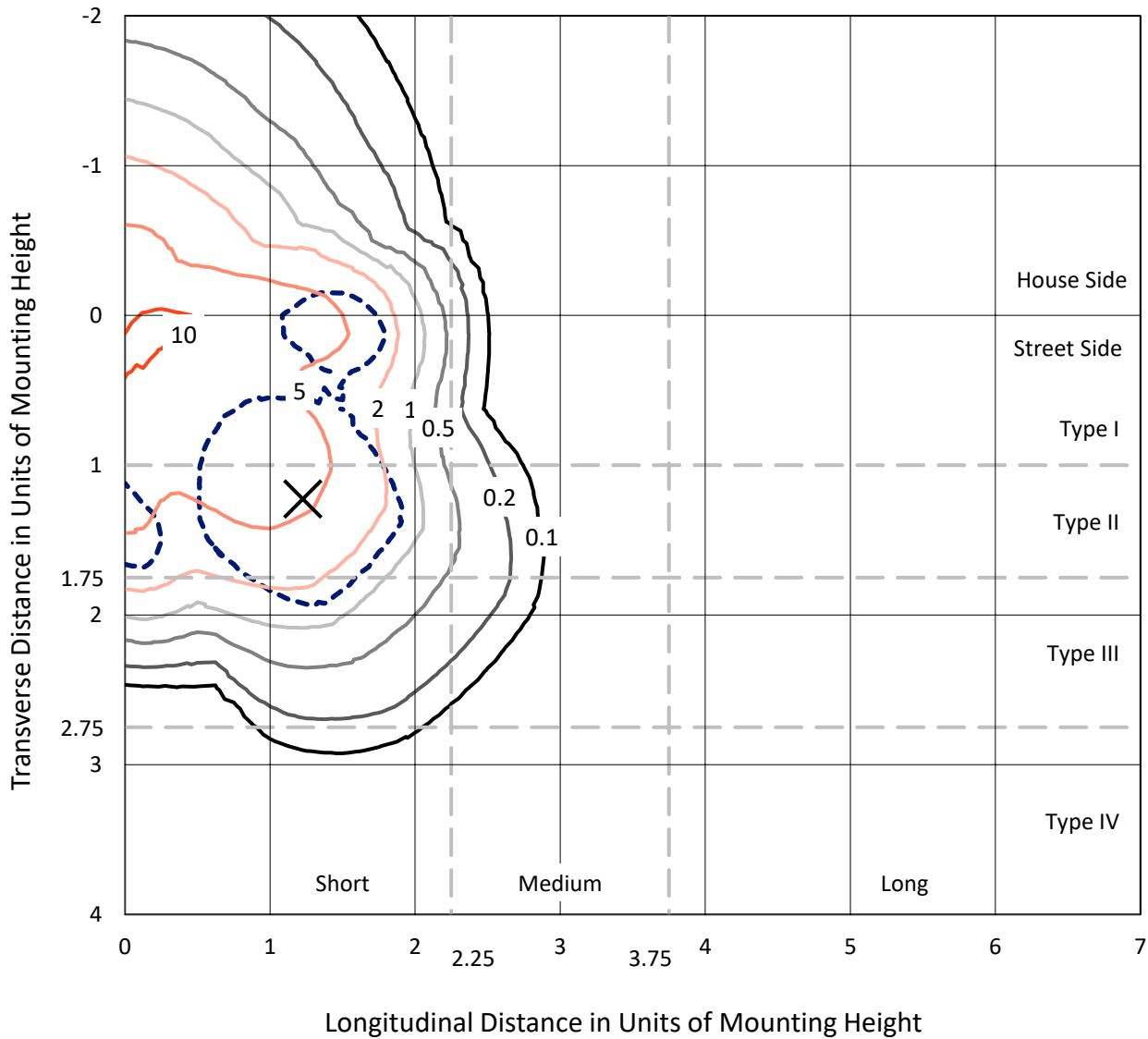
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

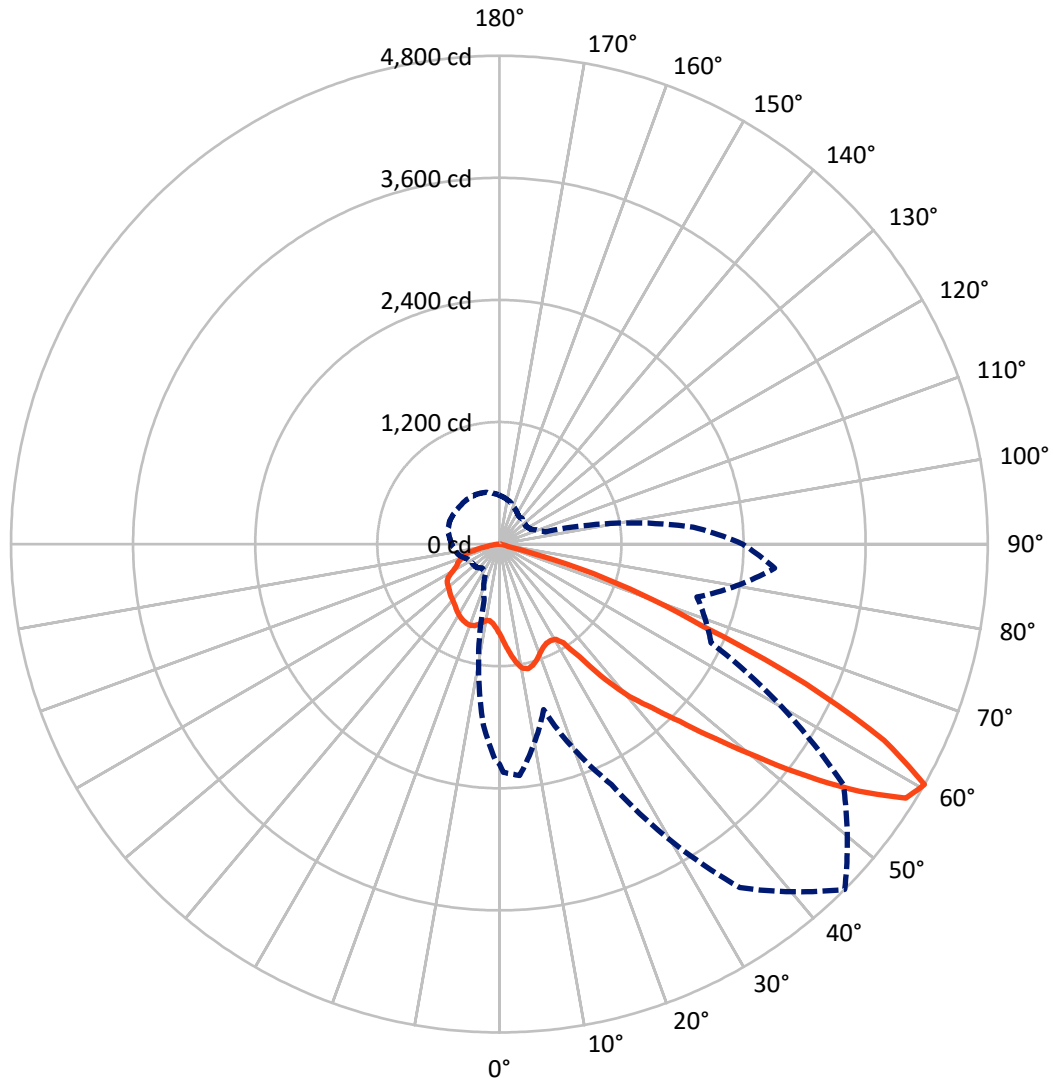
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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	1514.4	0.0	1514.4
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	2805.8	0.0	2805.8
	% Fixture	64.9	0.0	64.9
Total	Lumens	4320.2	0.0	4320.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	2.0
10°-20°	273.6	6.3
20°-30°	444.5	10.3
30°-40°	626.8	14.5
40°-50°	866.3	20.1
50°-60°	1115.1	25.8
60°-70°	706.6	16.4
70°-80°	181.3	4.2
80°-90°	19.4	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°	4320.2	100.0
0°-180°	4320.2	100.0

Coefficient of Utilization



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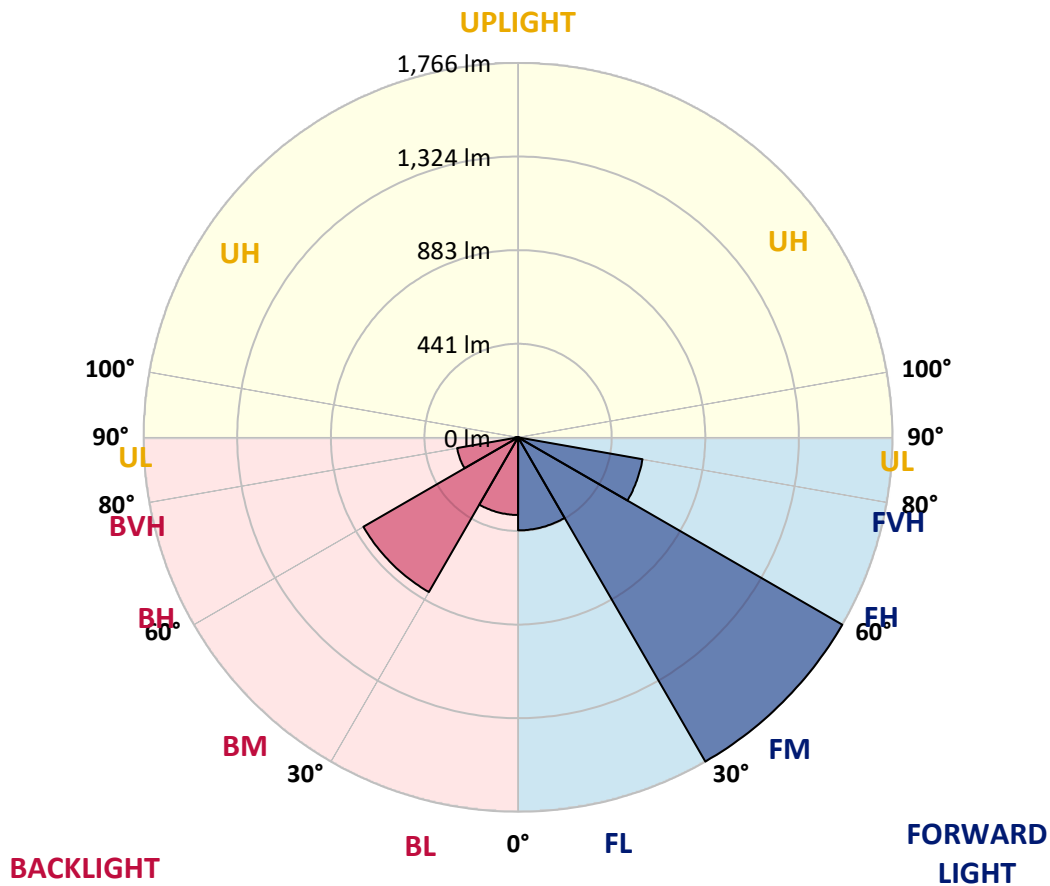
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.7	10.2			
FM (30°-60°)	1765.8	40.9			
FH (60°-80°)	596.0	13.8			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	366.0	8.5	B1/500		
BM (30°-60°)	842.4	19.5	B1/1000		
BH (60°-80°)	291.8	6.8	B1/500		G1/500
BVH (80°-90°)	14.1	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°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	928.3	934.6	938.6	946.1	959.5	967.1	975.4	966.3	968.6	967.5	952.8
5°	983.3	990.8	1001.1	1023.3	1048.2	1062.1	1075.1	1073.1	1060.9	1040.3	1025.6
7.5°	1034.8	1043.5	1061.3	1097.3	1134.1	1155.5	1171.3	1161.0	1150.7	1118.3	1081.5
10°	1075.1	1080.3	1104.4	1152.7	1195.5	1219.6	1239.0	1236.6	1222.4	1186.0	1136.5
12.5°	1113.1	1116.7	1142.8	1191.1	1229.5	1240.2	1256.0	1261.2	1256.4	1229.1	1180.4
15°	1153.9	1160.6	1184.8	1221.6	1239.0	1227.9	1233.5	1247.7	1261.2	1261.2	1216.4
17.5°	1191.9	1197.8	1222.4	1238.2	1221.6	1192.3	1193.9	1212.1	1244.2	1277.8	1249.3
20°	1225.6	1231.1	1255.2	1240.2	1187.6	1144.8	1143.6	1165.8	1217.6	1288.5	1284.5
22.5°	1262.4	1270.3	1290.5	1241.8	1155.9	1101.7	1101.3	1124.2	1194.3	1299.2	1324.9
25°	1314.6	1326.9	1337.2	1255.6	1138.9	1073.5	1078.7	1100.5	1186.8	1316.6	1384.7
27.5°	1392.2	1402.1	1401.3	1284.5	1138.1	1062.1	1072.8	1098.1	1200.2	1347.5	1447.6
30°	1476.1	1481.3	1473.0	1324.9	1156.3	1069.2	1085.0	1115.1	1234.3	1398.5	1540.3
32.5°	1569.1	1575.5	1559.6	1385.5	1198.6	1121.8	1156.7	1171.3	1282.2	1472.2	1638.4
35°	1676.0	1688.3	1655.4	1465.4	1323.3	1313.8	1364.5	1345.5	1383.9	1559.3	1743.3
37.5°	1788.5	1788.8	1741.7	1583.8	1568.0	1584.2	1685.5	1626.2	1599.6	1656.2	1850.2
40°	1883.9	1881.5	1809.0	1743.3	1780.9	1845.5	1967.8	1876.7	1807.1	1786.5	1938.9
42.5°	1979.3	1970.5	1897.3	1844.7	1927.8	2060.4	2198.6	2086.9	1940.1	1904.8	2026.4
45°	2101.2	2098.4	2010.1	1885.0	2060.4	2301.1	2484.4	2303.5	2018.8	1973.7	2172.0
47.5°	2297.9	2284.5	2120.2	1881.9	2184.7	2621.7	2853.3	2576.2	2073.9	1975.3	2407.2
50°	2490.3	2473.7	2251.6	1881.5	2313.0	2954.2	3288.7	2907.5	2130.1	1984.8	2646.3
52.5°	2684.7	2684.7	2467.3	1926.2	2447.5	3325.5	3791.8	3320.4	2225.9	2109.1	2940.4
55°	2800.2	2831.1	2710.0	2001.8	2605.1	3762.6	4289.4	3766.1	2373.9	2333.5	3211.9
57.5°	2653.4	2711.2	2693.8	1949.2	2698.1	4083.6	4711.4	4104.2	2447.1	2360.1	3171.2
60°	2162.1	2242.5	2282.5	1683.2	2606.3	4120.8	4799.7	4126.3	2295.9	2009.7	2716.3
62.5°	1437.3	1503.4	1564.4	1202.6	2256.3	3707.1	4245.1	3708.3	1917.5	1499.9	1881.9
65°	705.0	754.1	819.8	710.9	1762.7	3097.5	3309.7	2996.6	1387.1	839.6	959.9
67.5°	184.5	198.3	207.4	275.9	1262.8	2225.5	2158.6	2191.8	891.1	274.3	251.0
70°	95.8	96.6	96.2	114.0	853.5	1414.4	1487.6	1376.4	621.9	114.8	99.0
72.5°	68.5	68.9	67.7	76.8	412.1	810.3	839.6	830.5	325.8	68.1	67.7
75°	44.7	45.1	44.3	45.1	62.1	92.2	85.1	89.5	54.2	43.1	43.1
77.5°	26.5	26.9	26.5	27.3	26.5	26.5	24.5	24.5	23.4	23.4	23.8
80°	17.8	17.8	17.4	18.2	16.6	16.6	15.8	15.4	14.3	13.9	13.9
82.5°	10.7	11.1	10.7	10.7	9.9	9.9	9.1	8.7	7.5	7.5	7.1
85°	5.5	5.5	5.1	5.1	4.4	4.0	3.2	3.2	2.4	2.0	2.0
87.5°	0.8	0.8	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°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	948.9	940.9	929.1	917.6	906.9	895.8	883.1	870.1	859.0	847.5	841.6
5°	1006.3	990.0	959.1	931.8	907.3	887.1	865.3	846.7	829.3	815.1	807.9
7.5°	1058.1	1032.8	986.1	942.9	909.7	882.0	851.9	824.2	800.8	783.4	776.7
10°	1106.0	1075.9	1014.6	959.9	921.1	890.3	853.5	815.8	785.0	762.0	756.5
12.5°	1144.8	1110.4	1037.1	973.8	927.9	894.6	862.2	829.7	799.2	769.5	764.8
15°	1179.2	1138.5	1054.1	982.5	925.5	883.1	855.8	851.9	851.9	818.2	808.7
17.5°	1208.9	1164.2	1068.0	986.5	910.5	849.1	832.5	866.9	905.7	881.6	860.2
20°	1243.0	1188.7	1079.5	986.5	882.7	806.0	804.4	863.0	920.4	920.7	898.2
22.5°	1277.4	1217.2	1092.9	982.9	844.7	756.1	785.4	847.1	898.2	920.0	904.5
25°	1333.2	1256.8	1114.3	980.1	800.4	722.0	768.3	826.1	869.3	892.2	882.3
27.5°	1404.1	1309.1	1146.8	984.5	756.5	701.8	750.1	798.8	838.0	858.2	851.1
30°	1483.2	1369.2	1181.6	992.0	724.8	691.5	728.4	767.6	802.4	822.6	819.4
32.5°	1584.2	1434.6	1211.7	981.7	707.0	686.4	705.4	733.5	767.2	779.8	782.6
35°	1704.9	1506.6	1234.7	941.3	690.8	680.9	680.5	697.9	721.6	741.8	743.8
37.5°	1816.2	1590.9	1260.0	872.1	661.5	667.0	651.2	661.5	684.8	705.0	712.9
40°	1926.2	1676.4	1295.2	783.8	623.1	636.1	617.5	624.7	643.3	669.8	682.4
42.5°	2033.1	1753.6	1332.4	693.5	584.7	593.0	579.1	586.3	605.7	638.9	653.2
45°	2149.5	1858.1	1361.3	608.4	551.4	547.9	536.8	547.1	576.4	612.8	629.8
47.5°	2369.6	2022.8	1380.3	551.8	533.6	507.9	495.2	517.4	550.6	587.4	608.0
50°	2638.3	2261.1	1374.8	515.8	518.2	466.7	462.4	491.6	527.3	565.7	588.2
52.5°	2851.3	2495.0	1311.8	481.4	488.1	440.6	427.9	470.7	504.7	543.9	567.3
55°	3014.0	2573.8	1118.7	440.6	439.0	421.6	395.1	448.9	482.1	518.6	543.9
57.5°	2881.4	2398.5	829.3	384.4	374.9	384.0	358.2	412.1	454.4	490.5	513.0
60°	2391.3	1912.4	462.0	340.4	313.5	335.7	331.7	373.3	424.4	462.4	481.7
62.5°	1623.4	1273.4	273.9	269.2	254.1	285.8	306.8	334.1	384.4	415.2	433.5
65°	809.1	618.7	182.1	201.5	203.5	235.1	274.7	304.8	346.8	378.4	396.6
67.5°	234.7	192.4	138.5	154.0	175.4	200.7	232.4	268.0	308.8	346.4	367.7
70°	101.3	102.5	110.0	128.3	149.2	175.4	207.0	241.9	276.3	305.2	321.4
72.5°	71.6	74.4	82.7	101.3	121.1	146.1	177.7	211.4	236.3	265.6	282.6
75°	45.9	47.9	54.6	68.9	83.5	107.7	137.8	168.6	194.4	215.3	231.6
77.5°	25.3	25.7	31.3	39.6	49.5	64.9	87.1	111.2	130.2	142.1	156.8
80°	14.6	14.6	17.4	22.6	28.5	38.0	50.3	62.1	73.6	81.1	88.3
82.5°	7.9	7.9	9.1	12.3	15.4	21.0	28.1	34.0	41.2	45.1	49.9
85°	2.4	2.4	3.2	4.4	5.5	7.9	11.1	14.3	17.4	20.2	23.0
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°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	840.4	834.8	831.7	827.7	828.9	825.3	823.4	824.6	817.4	824.6	831.7
5°	805.2	797.2	790.9	785.8	783.4	778.6	775.9	775.9	771.5	778.6	787.3
7.5°	774.3	767.9	764.8	761.6	758.1	753.7	748.9	747.4	744.6	752.1	759.6
10°	753.7	754.5	756.5	760.8	760.0	757.3	750.1	746.2	746.2	754.9	766.4
12.5°	763.2	771.5	776.3	784.2	785.8	783.4	776.3	773.1	781.0	794.1	813.1
15°	800.0	805.6	809.5	815.8	815.5	813.5	807.9	810.3	836.4	861.8	878.8
17.5°	840.0	833.7	832.9	836.8	838.0	835.6	832.5	843.2	886.3	910.1	918.8
20°	868.9	847.1	842.4	844.0	847.1	845.9	845.9	863.3	908.1	919.2	908.1
22.5°	877.6	846.7	839.6	840.0	844.3	844.7	846.7	864.9	891.1	891.5	874.4
25°	863.7	834.1	828.9	829.7	834.8	834.5	835.2	845.5	857.0	852.3	839.6
27.5°	837.6	811.9	810.3	814.7	821.4	817.8	815.5	818.2	823.8	817.8	806.7
30°	807.9	786.2	786.9	795.3	802.4	796.5	790.5	792.1	792.5	786.2	773.5
32.5°	776.7	760.4	763.2	771.9	780.2	773.9	767.6	766.8	759.2	751.7	739.4
35°	745.4	739.1	742.6	749.7	756.9	751.7	747.8	745.4	729.2	718.1	707.8
37.5°	716.9	721.6	728.0	732.3	734.7	734.3	731.9	726.4	705.0	691.9	678.5
40°	691.5	706.2	712.9	714.9	718.5	717.7	717.3	709.4	681.3	667.4	652.0
42.5°	668.6	689.2	700.7	702.6	704.6	705.0	703.8	692.3	660.3	644.0	629.4
45°	646.4	673.3	688.0	686.0	688.8	688.8	690.0	674.9	639.7	623.1	607.6
47.5°	627.0	658.7	672.2	669.8	671.4	672.5	673.7	656.3	617.1	601.3	585.5
50°	609.2	642.9	654.3	655.1	655.1	657.9	657.5	640.5	598.1	581.1	565.3
52.5°	590.2	626.6	638.9	644.0	645.6	646.8	641.3	621.5	578.7	558.1	543.5
55°	568.0	610.0	621.1	627.8	631.0	630.2	622.7	602.5	558.9	538.4	521.7
57.5°	534.4	574.4	590.2	593.4	598.5	595.4	586.6	569.6	527.3	506.7	489.7
60°	497.6	526.5	539.1	541.9	538.0	539.1	538.0	521.7	484.9	468.7	451.3
62.5°	449.3	475.0	488.5	492.0	485.3	489.7	488.1	467.9	431.1	414.1	398.6
65°	412.9	441.0	456.8	458.8	456.8	458.8	453.2	428.7	393.9	376.5	360.6
67.5°	384.4	413.3	429.9	435.4	433.5	433.1	424.4	395.9	359.8	340.8	320.6
70°	335.3	360.6	382.0	395.5	395.5	387.9	371.3	344.8	315.9	299.7	283.8
72.5°	296.9	329.0	349.9	363.8	366.6	362.2	338.8	310.7	277.5	261.3	244.6
75°	244.6	275.9	298.5	316.7	320.2	315.5	288.6	260.9	230.0	214.2	197.5
77.5°	163.5	182.1	200.3	216.9	213.4	216.5	198.3	177.3	158.3	146.5	138.9
80°	92.2	104.5	110.0	119.2	119.2	119.2	107.3	97.4	86.7	80.0	72.4
82.5°	52.3	60.2	62.5	70.1	72.0	72.4	64.5	58.2	51.5	47.9	42.8
85°	24.1	28.5	28.9	33.3	34.8	38.0	34.4	30.1	26.1	24.5	21.4
87.5°	0.8	2.4	3.2	5.9	7.9	9.1	9.9	9.9	8.3	7.5	6.3
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-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	840.4	849.9	861.0	868.9	883.1	895.0	907.3	920.7	930.6	928.3
5°	798.0	813.9	834.1	852.7	879.2	906.1	935.8	966.3	984.1	983.3
7.5°	774.3	796.8	821.4	846.3	877.6	916.4	961.9	1009.4	1033.6	1034.8
10°	786.9	811.1	827.7	848.7	881.6	930.2	984.9	1041.9	1069.6	1075.1
12.5°	826.9	825.0	823.8	838.8	878.4	940.1	1007.0	1075.1	1106.4	1113.1
15°	864.9	824.2	799.6	809.9	864.1	946.5	1028.8	1111.5	1146.8	1153.9
17.5°	872.1	810.3	764.8	771.9	841.6	948.5	1049.8	1147.2	1185.2	1191.9
20°	852.3	792.5	739.4	729.6	813.1	943.3	1062.9	1176.9	1218.4	1225.6
22.5°	827.3	776.7	720.4	694.7	778.2	938.2	1077.5	1208.1	1256.0	1262.4
25°	801.2	756.5	702.6	663.4	738.7	935.0	1102.0	1249.3	1307.1	1314.6
27.5°	773.5	731.9	687.2	648.4	702.2	939.0	1136.9	1315.8	1381.5	1392.2
30°	743.8	707.4	677.3	643.3	677.3	942.5	1175.3	1383.9	1461.1	1476.1
32.5°	712.9	684.8	667.0	645.6	661.9	934.2	1208.9	1460.3	1556.1	1569.1
35°	682.0	661.9	653.9	650.0	641.3	903.7	1236.2	1537.5	1664.5	1676.0
37.5°	653.2	638.1	635.7	640.1	609.6	853.8	1267.9	1635.7	1771.0	1788.5
40°	626.2	612.4	612.0	611.2	574.8	785.8	1310.7	1735.4	1875.9	1883.9
42.5°	601.3	583.9	587.0	577.5	546.3	712.1	1351.0	1820.5	1973.7	1979.3
45°	579.1	556.2	559.7	547.9	532.8	634.9	1386.7	1921.1	2097.6	2101.2
47.5°	557.8	533.2	523.3	522.5	530.4	563.7	1421.5	2114.6	2291.6	2297.9
50°	538.0	511.4	483.3	500.8	515.8	510.3	1465.0	2322.1	2491.9	2490.3
52.5°	519.0	484.1	444.1	477.8	477.8	470.7	1452.8	2447.9	2657.3	2684.7
55°	497.2	440.2	403.4	439.4	422.0	435.0	1235.4	2489.1	2761.4	2800.2
57.5°	454.0	386.0	353.9	373.3	347.2	403.4	887.5	2284.8	2584.5	2653.4
60°	412.5	346.0	325.0	321.4	287.4	329.0	575.2	1788.8	2127.3	2162.1
62.5°	363.8	311.5	293.7	266.4	231.2	239.5	348.3	1177.3	1429.4	1437.3
65°	327.0	282.2	248.2	215.7	189.2	173.8	205.8	567.6	714.5	705.0
67.5°	280.7	241.9	209.4	186.0	164.3	144.9	137.0	168.6	190.8	184.5
70°	249.8	212.6	181.3	159.1	138.9	119.5	105.7	99.4	97.4	95.8
72.5°	215.3	182.9	150.4	129.0	110.0	92.2	79.6	72.0	70.1	68.5
75°	171.8	141.3	111.6	91.4	74.8	62.1	53.8	47.5	46.3	44.7
77.5°	113.6	90.6	66.5	54.2	44.3	37.6	32.1	28.1	27.3	26.5
80°	62.5	52.3	40.8	32.9	26.5	23.0	21.0	18.6	18.2	17.8
82.5°	37.2	31.3	23.4	18.6	15.4	13.9	12.7	11.5	11.1	10.7
85°	18.6	14.6	10.3	8.7	7.9	7.1	7.1	5.9	5.5	5.5
87.5°	4.8	4.0	2.4	2.0	2.0	2.0	1.6	1.2	1.2	0.8
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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