

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: P635289

Luminaire Tested: GWS-SA3D-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9436.5 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

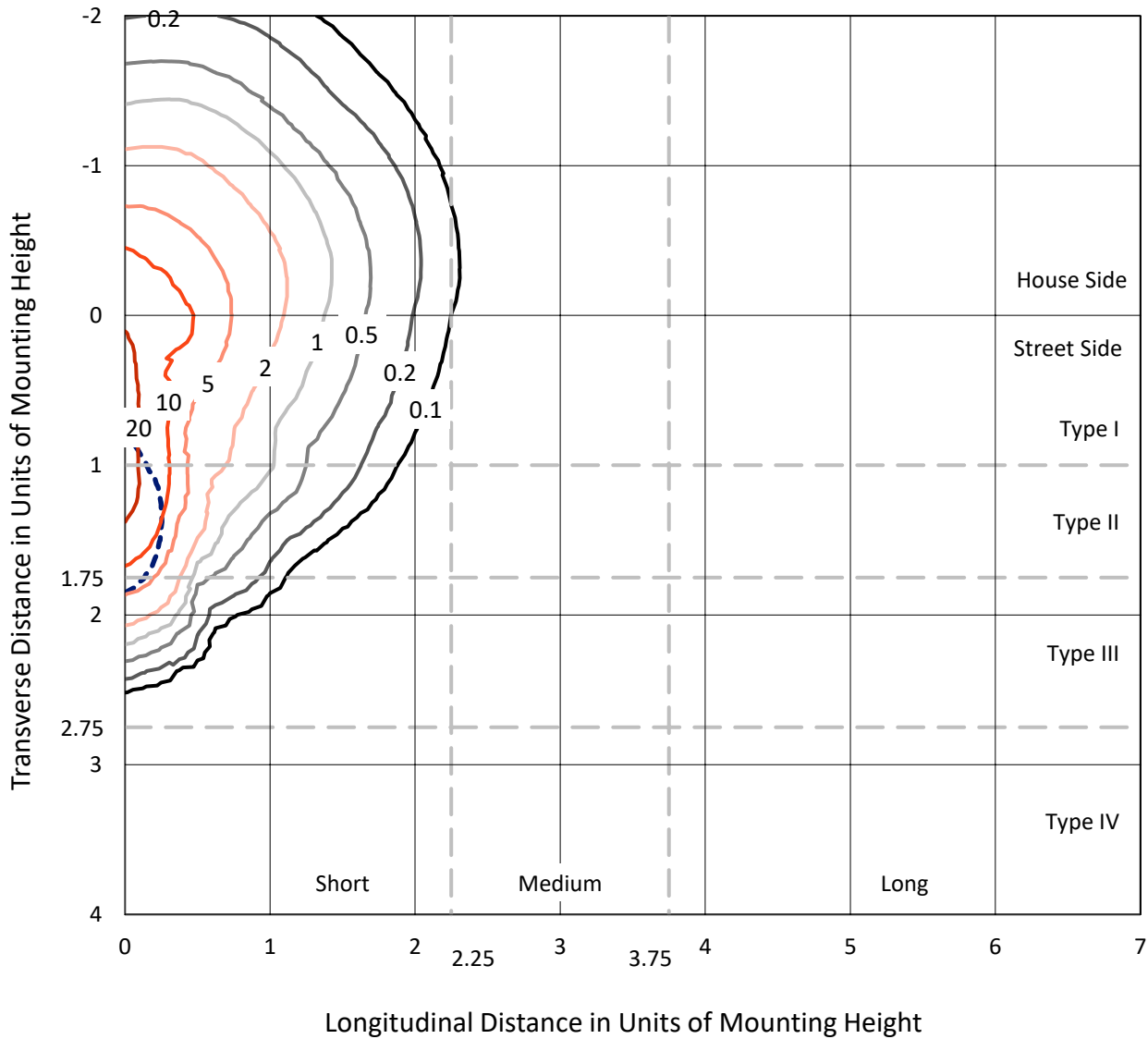
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

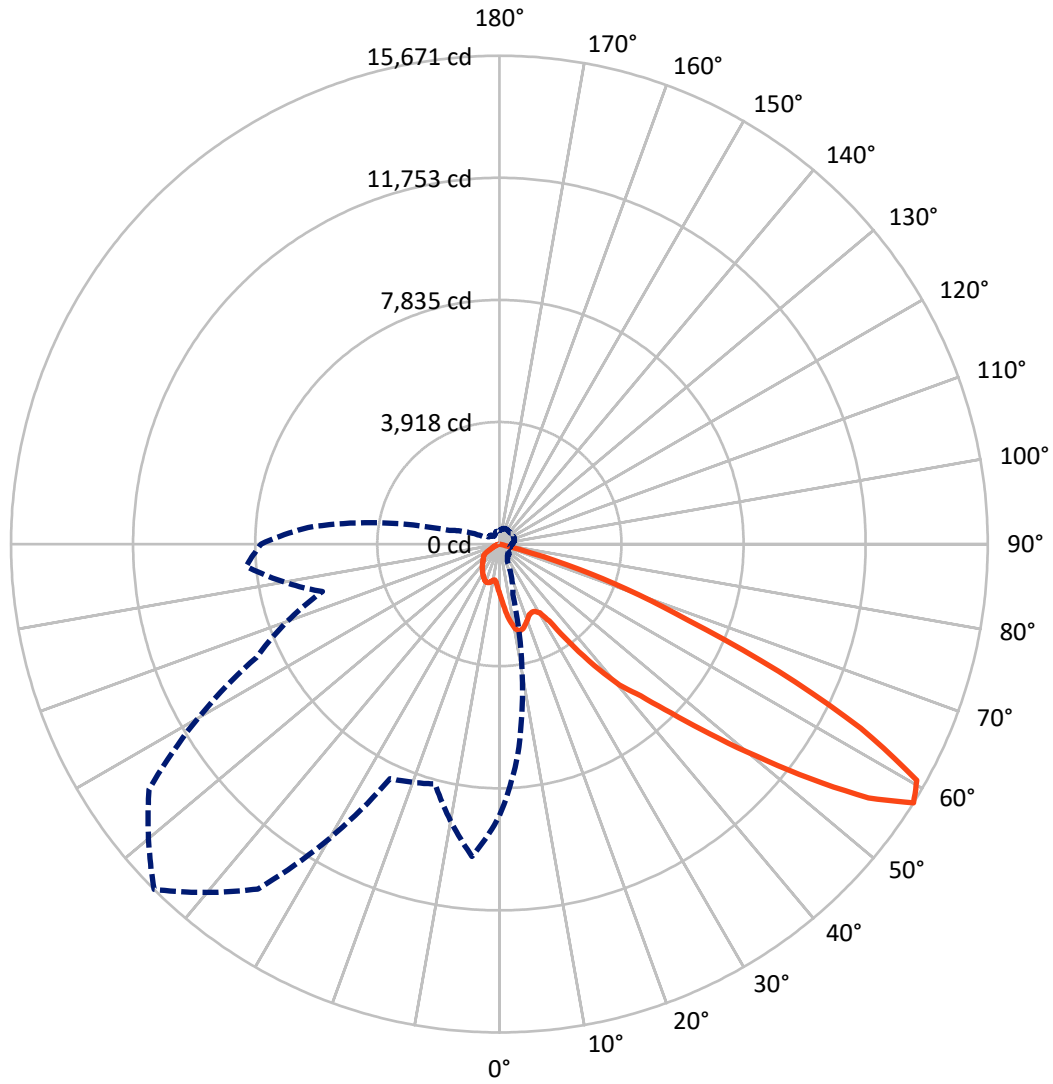
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2032.9	0.0	2032.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7403.6	0.0	7403.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	9436.5	0.0	9436.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	1.7
10°-20°	521.5	5.5
20°-30°	846.3	9.0
30°-40°	1298.9	13.8
40°-50°	2074.4	22.0
50°-60°	2904.5	30.8
60°-70°	1489.2	15.8
70°-80°	143.4	1.5
80°-90°	0.0	0.0
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°	9436.5	100.0
0°-180°	9436.5	100.0

Coefficient of Utilization



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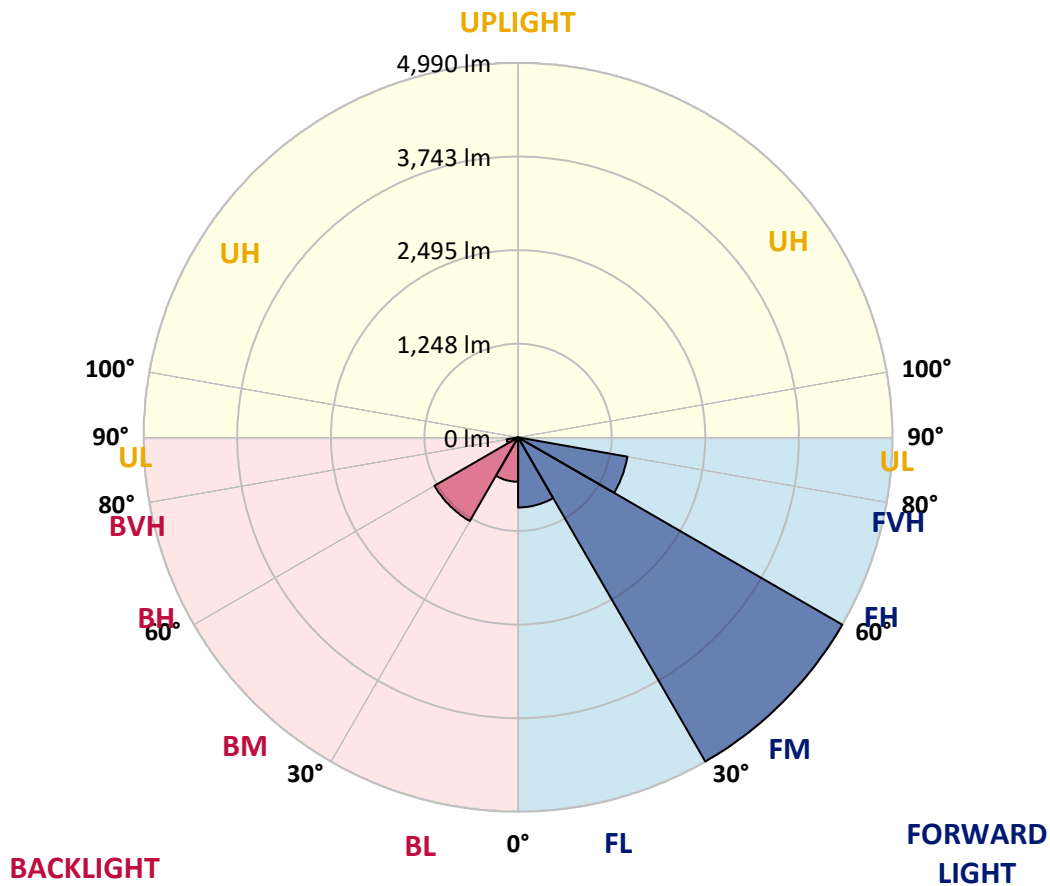
CATALOG NUMBER: GWS-SA3D-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	934.3	9.9			
FM (30°-60°)	4990.2	52.9			
FH (60°-80°)	1479.0	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	592.0	6.3	B2/1000		
BM (30°-60°)	1287.4	13.6	B2/2500		
BH (60°-80°)	153.5	1.6	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1781.3	1777.5	1764.9	1722.0	1695.5	1653.9	1623.6	1584.5	1541.6	1515.1	1488.6
5°	1970.5	1960.4	1926.4	1828.0	1752.3	1670.3	1604.7	1532.8	1455.8	1405.3	1358.7
7.5°	2152.2	2137.0	2091.6	1925.1	1810.3	1693.0	1599.6	1494.9	1386.4	1310.7	1252.7
10°	2330.0	2296.0	2224.1	2019.7	1864.5	1723.2	1613.5	1493.6	1366.2	1270.4	1206.0
12.5°	2476.4	2451.1	2352.7	2109.3	1910.0	1729.6	1594.6	1483.6	1397.8	1333.4	1274.1
15°	2602.5	2574.8	2481.4	2190.0	1949.1	1704.3	1515.1	1418.0	1431.8	1457.1	1406.6
17.5°	2718.6	2689.6	2588.7	2256.9	1964.2	1642.5	1404.1	1357.4	1434.4	1529.0	1510.0
20°	2838.4	2805.6	2682.0	2311.1	1959.2	1545.4	1291.8	1305.7	1414.2	1522.7	1532.8
22.5°	2978.5	2944.4	2800.6	2380.5	1955.4	1429.3	1194.7	1260.3	1376.3	1468.4	1486.1
25°	3163.9	3123.5	2965.9	2482.7	1965.5	1323.3	1125.3	1216.1	1312.0	1395.2	1405.3
27.5°	3408.6	3356.9	3156.3	2608.8	1986.9	1240.1	1095.0	1155.6	1230.0	1304.4	1313.2
30°	3727.8	3662.2	3374.6	2718.6	1976.8	1182.1	1074.8	1095.0	1139.2	1199.7	1201.0
32.5°	4101.2	4011.7	3619.3	2813.2	1889.8	1139.2	1047.1	1033.2	1043.3	1090.0	1098.8
35°	4540.2	4424.2	3889.3	2902.8	1730.8	1055.9	996.6	949.9	946.1	968.9	990.3
37.5°	5043.6	4904.8	4229.9	3017.6	1542.8	968.9	922.2	875.5	855.3	866.7	899.5
40°	5507.8	5353.9	4585.7	3156.3	1351.1	890.6	835.1	787.2	763.2	767.0	807.4
42.5°	6052.8	5893.9	5020.9	3338.0	1192.1	837.7	744.3	695.1	663.6	681.2	727.9
45°	6880.4	6700.0	5655.4	3495.7	1066.0	825.0	664.8	595.4	580.3	610.6	666.1
47.5°	8010.7	7789.9	6527.1	3591.6	958.8	836.4	609.3	514.7	518.5	552.5	608.1
50°	9132.2	8893.8	7535.1	3465.4	870.5	813.7	581.6	451.6	475.6	505.9	556.3
52.5°	9903.0	9592.7	8025.8	3100.8	789.7	727.9	579.0	392.3	437.7	447.8	490.7
55°	9933.3	9551.0	7774.8	2444.8	680.0	614.4	552.5	343.1	396.1	399.9	436.5
57.5°	8707.1	8361.4	6794.6	1679.1	604.3	450.4	440.3	300.2	325.5	357.0	379.7
60°	6624.3	6330.3	5081.4	769.5	459.2	286.4	301.5	258.6	243.5	290.2	312.9
62.5°	4057.1	3869.1	3047.8	340.6	292.7	152.6	182.9	205.6	182.9	200.6	219.5
65°	1611.0	1527.7	1156.8	145.1	119.8	77.0	83.3	119.8	128.7	141.3	159.0
67.5°	280.1	264.9	194.3	64.3	49.2	46.7	40.4	55.5	78.2	87.0	100.9
70°	36.6	35.3	31.5	26.5	25.2	22.7	17.7	35.3	53.0	55.5	64.3
72.5°	8.8	7.6	7.6	6.3	7.6	2.5	2.5	18.9	37.8	39.1	45.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	24.0	26.5	31.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1467.2	1441.9	1433.1	1420.5	1404.1	1409.1	1386.4	1378.8	1390.2	1405.3	1401.6
5°	1333.4	1305.7	1286.8	1257.7	1252.7	1241.3	1233.8	1223.7	1236.3	1254.0	1257.7
7.5°	1227.5	1203.5	1184.6	1175.7	1169.4	1164.4	1149.3	1141.7	1141.7	1149.3	1155.6
10°	1182.1	1164.4	1160.6	1163.1	1173.2	1172.0	1158.1	1148.0	1135.4	1129.1	1136.6
12.5°	1245.1	1216.1	1211.1	1212.3	1224.9	1223.7	1208.5	1195.9	1193.4	1195.9	1219.9
15°	1352.4	1308.2	1275.4	1269.1	1275.4	1272.9	1261.5	1254.0	1257.7	1294.3	1334.7
17.5°	1448.2	1380.1	1320.8	1298.1	1296.9	1293.1	1281.7	1279.2	1298.1	1366.2	1425.5
20°	1476.0	1409.1	1324.6	1295.6	1289.3	1285.5	1272.9	1276.7	1300.6	1382.6	1433.1
22.5°	1439.4	1375.1	1286.8	1257.7	1252.7	1251.4	1238.8	1243.9	1264.1	1336.0	1377.6
25°	1370.0	1315.8	1223.7	1198.5	1198.5	1195.9	1184.6	1187.1	1199.7	1262.8	1303.2
27.5°	1285.5	1233.8	1156.8	1131.6	1135.4	1139.2	1125.3	1121.5	1131.6	1190.9	1214.9
30°	1188.4	1151.8	1091.2	1068.5	1067.3	1082.4	1063.5	1058.4	1072.3	1119.0	1124.0
32.5°	1093.7	1076.1	1033.2	1015.5	1016.8	1019.3	1009.2	1009.2	1021.8	1047.1	1045.8
35°	1001.7	990.3	982.7	970.1	968.9	963.8	963.8	966.3	980.2	989.0	972.6
37.5°	913.3	924.7	933.5	920.9	910.8	910.8	910.8	922.2	934.8	931.0	903.3
40°	835.1	859.1	886.9	873.0	849.0	847.7	852.8	871.7	890.6	867.9	842.7
42.5°	768.3	798.5	837.7	830.1	803.6	799.8	803.6	827.6	842.7	813.7	785.9
45°	702.7	740.5	787.2	787.2	758.2	754.4	755.7	787.2	796.0	762.0	726.6
47.5°	647.2	688.8	738.0	738.0	714.0	706.5	712.8	745.6	751.9	703.9	671.1
50°	594.2	639.6	693.8	690.1	673.7	667.3	678.7	714.0	706.5	653.5	619.4
52.5°	527.3	575.3	649.7	653.5	644.6	645.9	659.8	682.5	661.0	596.7	567.7
55°	466.8	516.0	590.4	610.6	610.6	609.3	615.6	633.3	615.6	538.7	503.3
57.5°	401.2	442.8	504.6	509.7	513.4	499.6	508.4	532.4	523.5	457.9	437.7
60°	329.3	364.6	399.9	403.7	387.3	358.3	374.7	402.4	408.7	359.5	336.8
62.5°	233.4	267.4	309.1	309.1	292.7	263.7	285.1	309.1	300.2	249.8	235.9
65°	174.1	205.6	237.2	251.0	237.2	217.0	233.4	251.0	237.2	195.5	175.4
67.5°	112.3	133.7	152.6	164.0	166.5	164.0	171.6	166.5	150.1	122.4	111.0
70°	68.1	79.5	89.6	99.7	107.2	111.0	114.8	103.4	87.0	71.9	68.1
72.5°	49.2	59.3	68.1	75.7	84.5	87.0	87.0	79.5	64.3	50.5	46.7
75°	34.1	42.9	50.5	55.5	63.1	65.6	65.6	59.3	47.9	36.6	32.8
77.5°	1.3	8.8	8.8	7.6	10.1	12.6	12.6	15.1	13.9	10.1	8.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1409.1	1454.5	1467.2	1513.8	1555.5	1597.1	1647.6	1677.8	1723.2	1754.8	1772.4
5°	1270.4	1308.2	1353.6	1423.0	1494.9	1574.4	1670.3	1753.5	1858.2	1935.2	1960.4
7.5°	1169.4	1218.6	1271.6	1358.7	1457.1	1563.0	1698.0	1834.3	1994.5	2099.2	2166.0
10°	1150.5	1201.0	1271.6	1357.4	1460.8	1582.0	1747.2	1923.8	2124.4	2251.8	2327.5
12.5°	1241.3	1295.6	1325.9	1365.0	1443.2	1578.2	1790.1	2014.7	2250.6	2389.3	2470.1
15°	1375.1	1423.0	1373.8	1324.6	1375.1	1537.8	1814.1	2090.4	2361.6	2521.8	2605.1
17.5°	1467.2	1470.9	1363.7	1259.0	1272.9	1464.6	1822.9	2166.0	2480.2	2647.9	2735.0
20°	1458.3	1428.0	1319.6	1203.5	1160.6	1370.0	1812.8	2232.9	2600.0	2775.4	2861.1
22.5°	1390.2	1354.9	1262.8	1149.3	1066.0	1257.7	1795.2	2293.5	2709.8	2909.1	2989.8
25°	1308.2	1270.4	1194.7	1095.0	1005.4	1149.3	1781.3	2376.7	2848.5	3083.2	3146.2
27.5°	1212.3	1179.5	1115.2	1043.3	980.2	1067.3	1777.5	2486.5	3016.3	3295.1	3339.3
30°	1119.0	1088.7	1038.2	996.6	970.1	1019.3	1764.9	2603.8	3216.9	3538.6	3586.5
32.5°	1029.4	999.1	967.6	961.3	962.5	1001.7	1722.0	2719.9	3455.3	3891.8	3927.1
35°	952.5	917.1	904.5	919.7	947.4	971.4	1600.9	2815.7	3711.4	4276.6	4305.6
37.5°	879.3	844.0	842.7	879.3	909.6	924.7	1458.3	2910.3	4057.1	4667.7	4704.2
40°	812.4	777.1	789.7	833.9	857.8	865.4	1285.5	3054.2	4422.9	5080.2	5060.0
42.5°	755.7	719.1	726.6	783.4	804.9	825.0	1126.5	3174.0	4774.9	5471.2	5464.9
45°	700.1	672.4	667.3	729.2	748.1	828.8	1010.5	3266.1	5227.8	5969.5	5979.6
47.5°	645.9	624.5	625.7	652.2	698.9	847.7	912.1	3326.6	5885.0	6759.3	6583.9
50°	596.7	580.3	594.2	563.9	667.3	823.8	827.6	3314.0	6619.2	7516.2	7164.2
52.5°	542.5	538.7	545.0	471.8	616.9	726.6	748.1	3146.2	6963.6	8033.4	7832.8
55°	486.9	485.7	435.2	377.2	516.0	580.3	640.9	2625.2	6952.3	8308.4	8551.9
57.5°	421.4	411.3	330.5	307.8	401.2	403.7	584.1	1719.5	6161.3	7649.9	8154.5
60°	319.2	311.6	242.2	249.8	280.1	258.6	465.5	856.6	4604.6	5959.5	6528.4
62.5°	220.8	210.7	180.4	193.0	180.4	147.6	285.1	423.9	2789.2	3763.1	4279.1
65°	161.5	150.1	123.6	106.0	84.5	84.5	108.5	162.7	1079.9	1599.6	1928.9
67.5°	99.7	94.6	73.2	53.0	51.7	55.5	56.8	80.7	174.1	277.5	339.4
70°	64.3	59.3	49.2	34.1	31.5	32.8	34.1	37.8	44.2	47.9	58.0
72.5°	44.2	41.6	35.3	18.9	15.1	16.4	17.7	17.7	21.4	20.2	24.0
75°	31.5	29.0	25.2	8.8	5.0	6.3	7.6	6.3	7.6	5.0	6.3
77.5°	8.8	8.8	6.3	1.3	0.0	1.3	2.5	2.5	1.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CATALOG NUMBER: GWS-SA3D-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4	1603.4
2.5°	1817.9	1846.9	1858.2	1841.8	1855.7	1833.0	1824.2	1790.1	1787.6	1781.3
5°	2062.6	2128.2	2167.3	2191.3	2163.5	2133.2	2087.8	2009.6	1985.6	1970.5
7.5°	2303.5	2405.7	2472.6	2504.1	2496.6	2434.7	2352.7	2221.5	2174.9	2152.2
10°	2513.0	2637.9	2718.6	2757.7	2741.3	2687.1	2569.7	2405.7	2343.9	2330.0
12.5°	2659.3	2774.1	2829.6	2863.7	2864.9	2843.5	2732.5	2567.2	2494.0	2476.4
15°	2751.4	2800.6	2801.9	2822.0	2857.4	2905.3	2853.6	2707.2	2629.0	2602.5
17.5°	2809.4	2755.2	2699.7	2704.7	2762.7	2890.2	2943.1	2830.9	2747.6	2718.6
20°	2851.1	2679.5	2576.0	2577.3	2636.6	2829.6	3005.0	2950.7	2864.9	2838.4
22.5°	2877.5	2612.6	2465.0	2461.2	2524.3	2757.7	3061.7	3093.3	3008.7	2978.5
25°	2931.8	2581.1	2398.2	2419.6	2475.1	2735.0	3138.7	3282.5	3204.3	3163.9
27.5°	3028.9	2612.6	2391.9	2441.1	2504.1	2801.9	3272.4	3534.8	3454.1	3408.6
30°	3196.7	2731.2	2489.0	2557.1	2632.8	2977.2	3497.0	3886.8	3770.7	3727.8
32.5°	3466.7	2977.2	2789.2	2935.6	3008.7	3264.8	3833.8	4281.6	4187.0	4101.2
35°	3838.8	3538.6	3517.1	3857.8	3840.1	3809.8	4247.6	4766.1	4623.5	4540.2
37.5°	4351.0	4441.8	4600.8	4938.9	4927.5	4696.7	4791.3	5224.0	5150.8	5043.6
40°	4990.6	5183.6	5453.6	5938.0	5786.6	5496.5	5458.6	5693.3	5634.0	5507.8
42.5°	5367.8	5700.8	6215.5	6650.8	6529.7	6022.5	5979.6	6320.3	6190.3	6052.8
45°	5543.2	6122.2	7131.4	7720.5	7353.4	6372.0	6355.6	7137.7	7064.6	6880.4
47.5°	5623.9	6547.3	8203.7	9095.6	8409.3	6678.5	6619.2	8323.6	8227.7	8010.7
50°	5713.5	7133.9	9495.5	10688.9	9684.7	7025.4	7068.3	9428.7	9388.3	9132.2
52.5°	5910.3	7754.6	11086.3	12510.6	11231.4	7569.2	7839.1	10470.7	10198.2	9903.0
55°	6205.5	8430.8	12741.4	14371.3	12809.5	8299.6	8673.0	11024.5	10260.0	9933.3
57.5°	5878.7	8599.8	13721.6	15670.7	13509.7	8302.1	7967.8	10064.5	9023.7	8707.1
60°	4665.1	8000.6	13344.4	15389.4	12913.0	7372.4	6100.7	7858.1	6836.2	6624.3
62.5°	3153.8	6710.1	11747.3	13015.2	11052.2	5799.2	3965.0	5110.4	4232.4	4057.1
65°	1728.3	5005.7	9491.7	9846.2	8650.3	4050.8	2039.9	2217.8	1689.2	1611.0
67.5°	476.9	3484.3	6983.8	6532.2	6069.2	2637.9	527.3	396.1	282.6	280.1
70°	119.8	2304.8	4184.5	4313.2	3721.5	1689.2	100.9	47.9	37.8	36.6
72.5°	50.5	991.6	1985.6	2282.1	1904.9	782.1	36.6	13.9	11.4	8.8
75°	6.3	79.5	169.0	256.1	175.4	84.5	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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

(END OF REPORT)