

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: P635403

Luminaire Tested: GWS-SA3D-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9472.1 lumens
Efficiency: N/A
Efficacy: 78.4 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

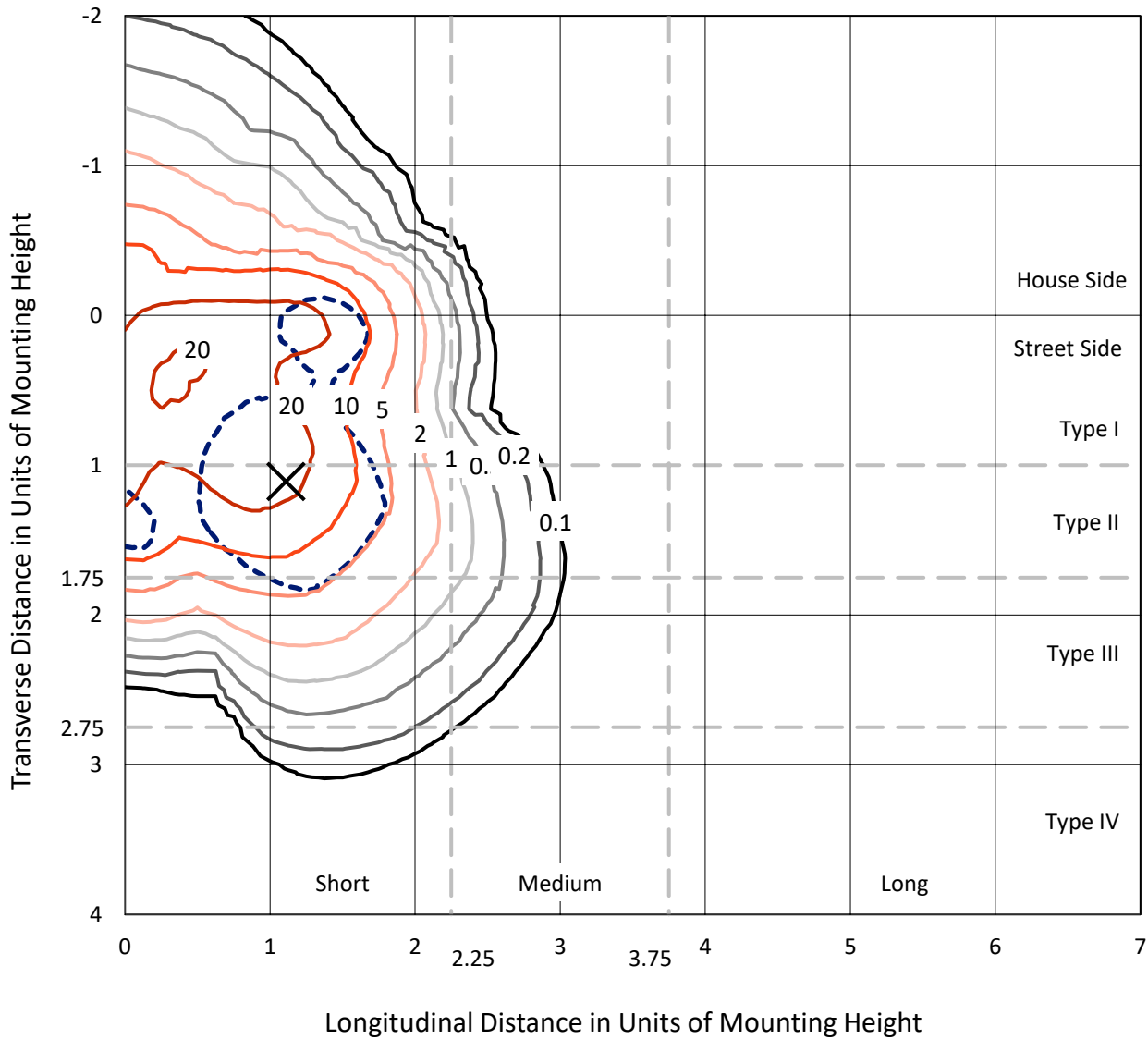
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

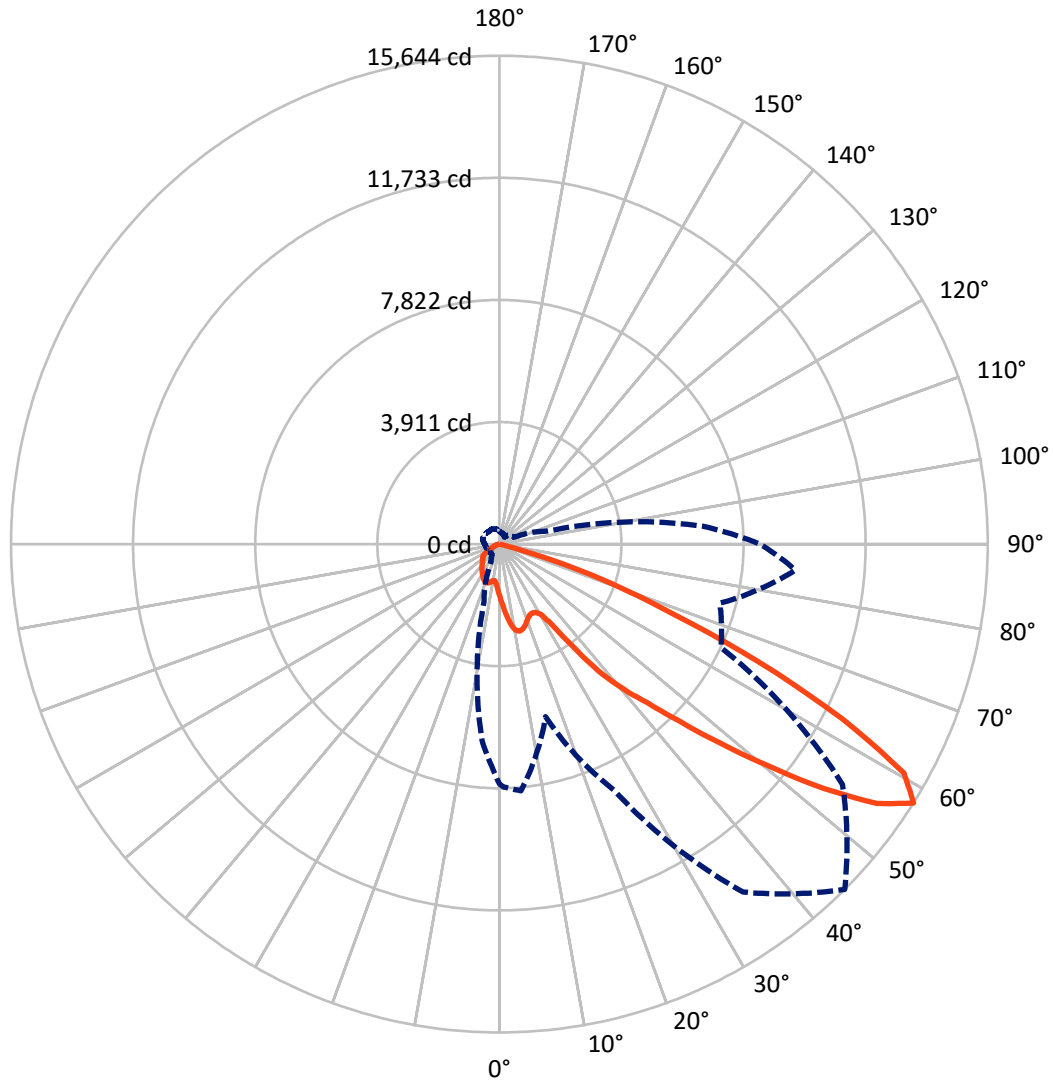
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2121.1	0.0	2121.1
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	7351.0	0.0	7351.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	9472.1	0.0	9472.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	1.7
10°-20°	529.8	5.6
20°-30°	860.7	9.1
30°-40°	1329.8	14.0
40°-50°	2132.4	22.5
50°-60°	2914.4	30.8
60°-70°	1411.5	14.9
70°-80°	129.2	1.4
80°-90°	0.4	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°	9472.1	100.0
0°-180°	9472.1	100.0

Coefficient of Utilization



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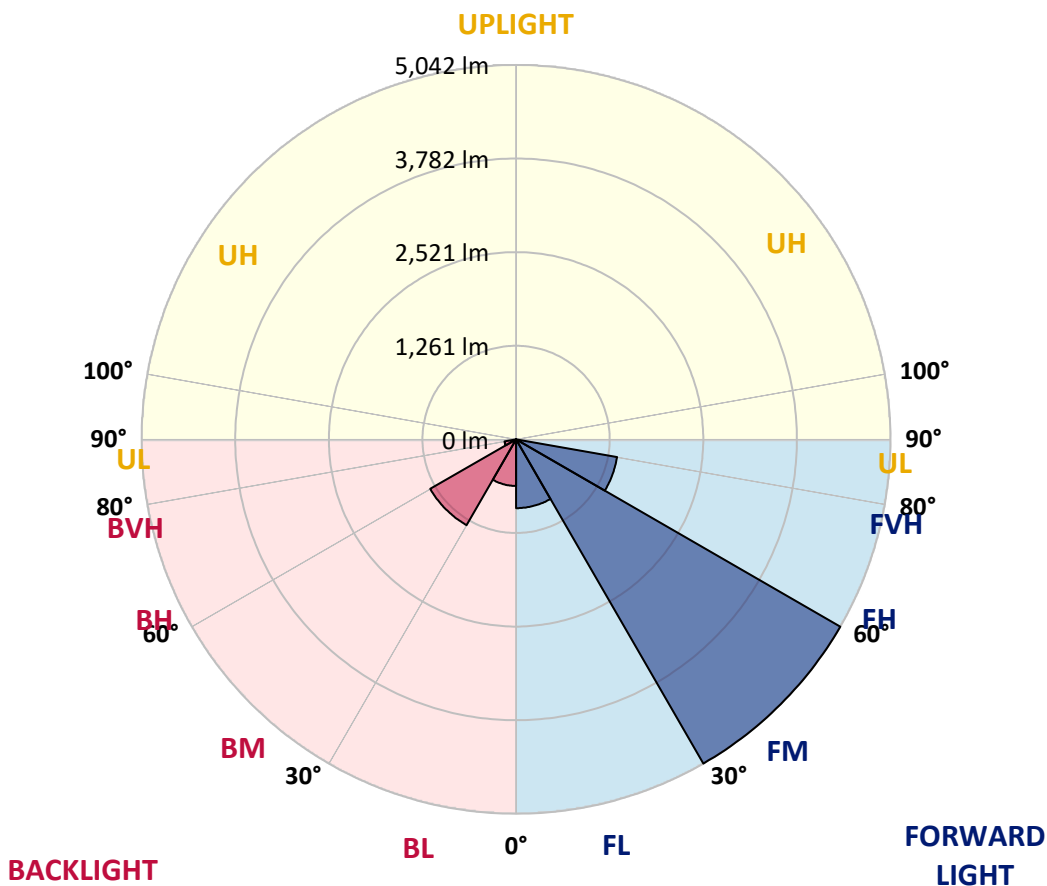
CATALOG NUMBER: GWS-SA3D-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.7	9.8			
FM (30°-60°)	5042.2	53.2			
FH (60°-80°)	1381.8	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	627.6	6.6	B2/1000		
BM (30°-60°)	1334.5	14.1	B2/2500		
BH (60°-80°)	159.0	1.7	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°	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8
2.5°	1803.6	1815.0	1834.1	1874.8	1909.2	1932.1	1942.3	1939.7	1925.7	1915.6	1895.2
5°	1997.0	1997.0	2033.9	2126.8	2198.1	2242.7	2265.6	2251.6	2223.6	2179.0	2110.3
7.5°	2166.3	2172.7	2235.0	2367.4	2475.6	2539.2	2576.1	2568.5	2518.9	2433.6	2296.1
10°	2298.7	2306.3	2389.0	2550.7	2678.0	2742.9	2797.6	2802.7	2748.0	2634.7	2476.9
12.5°	2427.2	2434.9	2521.4	2676.7	2788.7	2815.4	2863.8	2882.9	2868.9	2788.7	2624.5
15°	2566.0	2583.8	2657.6	2773.4	2820.5	2788.7	2820.5	2854.9	2902.0	2894.3	2746.7
17.5°	2702.2	2714.9	2790.0	2830.7	2778.5	2695.8	2711.1	2751.8	2858.7	2963.1	2867.6
20°	2828.2	2846.0	2908.3	2854.9	2697.1	2568.5	2569.8	2623.2	2786.2	3005.1	2991.1
22.5°	2960.5	2987.3	3031.8	2881.6	2622.0	2468.0	2474.3	2522.7	2728.9	3044.5	3131.1
25°	3133.6	3159.1	3188.4	2947.8	2597.8	2418.3	2442.5	2487.1	2728.9	3112.0	3304.2
27.5°	3367.8	3385.6	3386.9	3071.3	2639.8	2426.0	2476.9	2527.8	2810.3	3246.9	3535.8
30°	3661.8	3689.8	3652.9	3263.5	2770.9	2527.8	2602.9	2666.5	2986.0	3474.7	3877.0
32.5°	4019.5	4059.0	4009.3	3548.6	3044.5	2879.1	3015.3	3052.2	3266.0	3804.4	4263.9
35°	4439.5	4472.6	4419.2	3943.1	3683.5	3714.0	3961.0	3913.9	3828.6	4210.4	4715.7
37.5°	4900.3	4930.8	4827.7	4541.4	4627.9	4760.3	5154.8	4993.2	4718.3	4733.5	5205.8
40°	5322.9	5355.9	5194.3	5191.8	5369.9	5611.8	6087.8	5865.1	5490.9	5418.3	5665.2
42.5°	5760.7	5783.6	5637.2	5538.0	5942.7	6440.4	6944.4	6644.0	6002.5	5923.6	6240.5
45°	6385.6	6434.0	6173.1	5708.5	6458.2	7393.7	8096.3	7509.5	6351.3	6287.6	7121.3
47.5°	7304.6	7340.2	6808.2	5815.4	6938.0	8581.2	9535.8	8632.1	6658.0	6512.9	8325.4
50°	8064.5	8088.6	7392.4	5932.5	7448.4	9861.7	11176.5	9963.5	7002.9	6885.9	9449.3
52.5°	8624.5	8716.1	8159.9	6173.1	8119.2	11367.4	12992.7	11540.5	7541.3	7606.3	10381.0
55°	8740.3	8865.1	8684.3	6320.7	8709.8	12901.1	14670.3	12952.0	8078.5	8152.3	10694.1
57.5°	7681.4	7780.6	7930.8	5725.1	8695.8	13603.7	15644.0	13420.4	7834.1	7311.0	9521.8
60°	5754.3	5823.1	6095.4	4375.9	7997.0	12982.6	14885.4	12623.6	6850.2	5578.7	7255.0
62.5°	3412.4	3442.9	3787.9	2834.5	6637.7	11180.3	12344.9	10892.6	5413.2	3752.2	4443.3
65°	1309.7	1297.0	1560.5	1398.8	4881.2	8905.8	9182.0	8303.8	3714.0	1719.6	1694.1
67.5°	202.4	193.5	260.9	413.7	3520.6	6171.8	6058.5	5984.7	2326.7	400.9	350.0
70°	45.8	45.8	56.0	122.2	2151.0	3626.2	3880.8	3700.0	1489.2	85.3	45.8
72.5°	21.6	21.6	26.7	52.2	779.0	1494.3	1741.2	1714.5	483.7	28.0	16.5
75°	7.6	8.9	8.9	11.5	47.1	77.6	178.2	127.3	30.5	0.0	0.0
77.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	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°	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8
2.5°	1850.7	1841.7	1808.6	1764.1	1720.8	1682.6	1643.2	1596.1	1561.7	1522.3	1509.5
5°	2056.8	2000.8	1910.5	1816.3	1729.7	1655.9	1584.6	1508.3	1452.3	1396.3	1377.2
7.5°	2231.2	2148.5	2002.1	1860.8	1742.5	1638.1	1535.0	1430.6	1349.2	1283.0	1262.6
10°	2387.8	2292.3	2096.3	1921.9	1773.0	1652.1	1527.4	1396.3	1290.6	1211.7	1192.6
12.5°	2522.7	2412.0	2176.5	1967.7	1785.7	1647.0	1526.1	1421.7	1326.3	1235.9	1211.7
15°	2636.0	2513.8	2243.9	1998.3	1766.6	1583.4	1477.7	1461.2	1453.5	1354.3	1307.2
17.5°	2746.7	2609.2	2298.7	2012.3	1713.2	1471.4	1395.0	1470.1	1550.3	1485.4	1425.5
20°	2862.5	2706.0	2354.7	2014.8	1624.1	1345.4	1332.6	1451.0	1552.8	1532.5	1476.4
22.5°	2998.7	2826.9	2424.7	2013.6	1512.1	1238.4	1286.8	1414.1	1496.8	1495.5	1451.0
25°	3196.0	2979.6	2518.9	2021.2	1389.9	1155.7	1235.9	1351.7	1419.2	1416.6	1379.7
27.5°	3407.3	3161.6	2641.1	2040.3	1285.5	1107.3	1176.1	1266.4	1325.0	1322.4	1290.6
30°	3703.8	3371.6	2758.2	2041.6	1210.4	1081.9	1109.9	1172.2	1228.3	1221.9	1197.7
32.5°	4064.1	3608.4	2856.2	1969.0	1163.3	1057.7	1041.2	1073.0	1116.2	1107.3	1101.0
35°	4499.4	3889.7	2940.2	1809.9	1090.8	1009.3	964.8	971.1	1001.7	1006.8	1004.2
37.5°	4995.7	4224.4	3044.5	1599.9	992.8	939.3	879.5	874.4	892.2	908.8	921.5
40°	5485.8	4601.2	3185.8	1387.4	903.7	850.2	793.0	780.2	787.9	817.1	843.9
42.5°	6036.9	5037.7	3338.6	1205.3	842.6	752.2	697.5	673.3	694.9	742.0	773.9
45°	6831.1	5650.0	3487.5	1060.2	817.1	665.7	591.9	589.3	613.5	674.6	710.2
47.5°	7946.1	6441.6	3585.5	947.0	815.9	598.2	510.4	525.7	553.7	613.5	654.2
50°	9033.1	7433.2	3477.3	860.4	789.1	553.7	449.3	479.8	507.8	560.0	602.0
52.5°	9688.6	7966.5	3056.0	779.0	706.4	533.3	389.5	442.9	448.0	495.1	539.7
55°	9619.8	7621.5	2340.7	652.9	584.2	504.0	327.1	399.7	402.2	437.8	476.0
57.5°	8349.6	6543.5	1607.5	529.5	439.1	416.2	269.8	337.3	361.5	383.1	411.1
60°	6222.7	4774.3	716.6	430.2	278.7	281.3	230.4	254.6	291.5	316.9	341.1
62.5°	3666.9	2746.7	291.5	258.4	154.0	176.9	185.8	185.8	208.7	227.8	243.1
65°	1386.1	961.0	118.4	129.8	80.2	82.7	109.5	134.9	152.7	169.3	189.6
67.5°	243.1	168.0	61.1	48.4	47.1	42.0	56.0	87.8	98.0	110.7	119.6
70°	40.7	34.4	25.5	24.2	21.6	22.9	36.9	62.4	68.7	72.5	76.4
72.5°	11.5	10.2	7.6	6.4	5.1	6.4	22.9	48.4	50.9	53.5	57.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	8.9	34.4	36.9	38.2	42.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	10.2	12.7	10.2
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°	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8
2.5°	1501.9	1476.4	1462.4	1454.8	1454.8	1444.6	1433.2	1429.4	1445.9	1445.9	1473.9
5°	1353.0	1332.6	1309.7	1295.7	1274.1	1277.9	1265.2	1263.9	1280.4	1288.1	1317.3
7.5°	1249.9	1224.4	1210.4	1201.5	1190.1	1185.0	1173.5	1169.7	1178.6	1191.3	1219.3
10°	1181.2	1177.3	1176.1	1182.4	1182.4	1176.1	1165.9	1159.5	1162.1	1186.3	1218.1
12.5°	1199.0	1206.6	1209.2	1219.3	1224.4	1219.3	1211.7	1214.3	1230.8	1275.3	1322.4
15°	1276.6	1270.3	1267.7	1272.8	1276.6	1271.5	1269.0	1288.1	1345.4	1409.0	1462.4
17.5°	1359.4	1318.6	1300.8	1300.8	1303.3	1300.8	1303.3	1340.3	1433.2	1496.8	1536.3
20°	1401.4	1326.3	1298.3	1291.9	1297.0	1298.3	1307.2	1349.2	1451.0	1495.5	1504.5
22.5°	1388.6	1294.4	1262.6	1257.5	1262.6	1267.7	1276.6	1312.3	1407.7	1430.6	1426.8
25°	1325.0	1232.1	1206.6	1206.6	1218.1	1216.8	1220.6	1246.1	1325.0	1339.0	1332.6
27.5°	1244.8	1157.0	1135.3	1148.1	1158.2	1155.7	1157.0	1178.6	1237.2	1241.0	1234.6
30°	1163.3	1087.0	1066.6	1081.9	1095.9	1093.3	1094.6	1116.2	1153.2	1149.3	1140.4
32.5°	1080.6	1024.6	1009.3	1018.2	1039.9	1037.3	1042.4	1065.3	1079.3	1062.8	1052.6
35°	1004.2	975.0	963.5	968.6	985.1	989.0	997.9	1013.1	1013.1	992.8	975.0
37.5°	933.0	929.1	921.5	915.1	930.4	941.9	954.6	972.4	947.0	917.7	901.1
40°	866.8	883.3	873.1	856.6	865.5	882.1	907.5	921.5	891.0	861.7	833.7
42.5°	805.7	833.7	829.9	809.5	817.1	832.4	861.7	873.1	837.5	804.4	777.7
45°	747.1	786.6	789.1	763.7	771.3	786.6	821.0	824.8	779.0	743.3	724.2
47.5°	696.2	739.5	740.8	721.7	724.2	745.9	777.7	779.0	726.8	693.7	669.5
50°	647.9	697.5	701.3	684.8	687.3	712.8	739.5	734.4	678.4	644.0	622.4
52.5°	589.3	656.8	665.7	658.0	668.2	688.6	705.1	687.3	622.4	588.0	568.9
55°	525.7	613.5	632.6	627.5	638.9	655.5	659.3	647.9	566.4	532.0	514.2
57.5°	451.8	505.3	538.4	528.2	537.1	553.7	565.1	556.2	495.1	468.4	453.1
60°	374.2	409.8	417.5	400.9	393.3	422.6	449.3	437.8	385.7	369.1	351.3
62.5°	273.7	314.4	319.5	297.8	288.9	320.7	343.7	332.2	274.9	257.1	243.1
65°	218.9	257.1	267.3	246.9	241.8	266.0	280.0	252.0	211.3	192.2	176.9
67.5°	143.8	174.4	201.1	199.8	189.6	197.3	187.1	164.2	134.9	124.7	114.6
70°	89.1	106.9	123.5	129.8	128.6	126.0	112.0	95.5	86.6	82.7	77.6
72.5°	68.7	86.6	99.3	103.1	104.4	100.6	89.1	73.8	64.9	59.8	56.0
75°	50.9	64.9	75.1	80.2	82.7	80.2	68.7	58.5	49.6	45.8	42.0
77.5°	17.8	21.6	26.7	29.3	28.0	26.7	24.2	24.2	19.1	17.8	15.3
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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CATALOG NUMBER: GWS-SA3D-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8
2.5°	1505.7	1528.6	1570.6	1608.8	1649.5	1691.6	1737.4	1784.5	1806.1	1803.6
5°	1361.9	1411.5	1480.3	1555.4	1639.4	1729.7	1830.3	1933.4	1977.9	1997.0
7.5°	1271.5	1341.5	1431.9	1527.4	1638.1	1766.6	1918.1	2079.8	2144.7	2166.3
10°	1283.0	1364.4	1439.5	1532.5	1650.8	1817.6	2005.9	2198.1	2274.5	2298.7
12.5°	1375.9	1393.7	1414.1	1490.4	1639.4	1855.7	2086.1	2315.2	2403.0	2427.2
15°	1459.9	1377.2	1339.0	1409.0	1598.6	1882.5	2167.6	2441.2	2538.0	2566.0
17.5°	1463.7	1339.0	1253.7	1308.4	1532.5	1893.9	2247.8	2569.8	2675.4	2702.2
20°	1416.6	1297.0	1187.5	1188.8	1442.1	1891.4	2314.0	2685.6	2804.0	2828.2
22.5°	1347.9	1247.3	1134.1	1094.6	1345.4	1886.3	2386.5	2809.1	2937.6	2960.5
25°	1271.5	1183.7	1083.2	1023.3	1248.6	1891.4	2488.3	2970.7	3112.0	3133.6
27.5°	1188.8	1113.7	1043.7	995.3	1167.2	1910.5	2610.5	3176.9	3344.9	3367.8
30°	1102.2	1046.2	1018.2	989.0	1116.2	1915.6	2742.9	3417.5	3630.0	3661.8
32.5°	1017.0	986.4	987.7	992.8	1067.9	1879.9	2863.8	3684.8	3968.6	4019.5
35°	938.1	929.1	954.6	980.1	997.9	1788.3	2969.4	4000.4	4387.3	4439.5
37.5°	870.6	878.2	910.1	935.5	921.5	1658.5	3109.5	4395.0	4855.7	4900.3
40°	805.7	824.8	861.7	873.1	863.0	1507.0	3277.5	4775.5	5261.8	5322.9
42.5°	745.9	759.9	812.0	814.6	846.4	1353.0	3439.1	5185.4	5728.9	5760.7
45°	697.5	694.9	748.4	765.0	868.1	1182.4	3596.9	5731.4	6339.8	6385.6
47.5°	650.4	647.9	660.6	735.7	877.0	1024.6	3753.5	6530.7	7225.7	7304.6
50°	605.9	609.7	570.2	721.7	828.6	903.7	3824.8	7270.2	8031.4	8064.5
52.5°	566.4	552.4	483.7	675.9	725.5	789.1	3622.4	7606.3	8530.3	8624.5
55°	510.4	432.8	398.4	548.6	572.8	688.6	2966.9	7411.5	8573.6	8740.3
57.5°	436.6	339.8	338.6	404.8	404.8	638.9	1900.3	6332.2	7388.6	7681.4
60°	336.0	263.5	280.0	281.3	259.7	465.8	1066.6	4587.2	5462.9	5754.3
62.5°	239.3	201.1	211.3	168.0	148.9	232.9	511.7	2641.1	3371.6	3412.4
65°	160.4	136.2	110.7	92.9	91.6	99.3	211.3	954.6	1160.8	1309.7
67.5°	105.6	82.7	58.5	58.5	66.2	66.2	80.2	157.8	221.5	202.4
70°	68.7	57.3	36.9	35.6	43.3	43.3	40.7	43.3	45.8	45.8
72.5°	50.9	43.3	21.6	19.1	24.2	25.5	22.9	21.6	21.6	21.6
75°	38.2	30.5	12.7	8.9	11.5	15.3	12.7	8.9	8.9	7.6
77.5°	15.3	11.5	5.1	3.8	6.4	8.9	7.6	3.8	2.5	2.5
80°	1.3	2.5	2.5	2.5	3.8	5.1	6.4	2.5	1.3	1.3
82.5°	0.0	1.3	1.3	1.3	2.5	3.8	5.1	2.5	1.3	1.3
85°	0.0	0.0	0.0	0.0	2.5	3.8	2.5	1.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.3	3.8	2.5	1.3	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)