

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: P636063

Luminaire Tested: GWS-SA3F-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636063
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-SA3F-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9608.4 lumens
Efficiency: N/A
Efficacy: 52.4 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

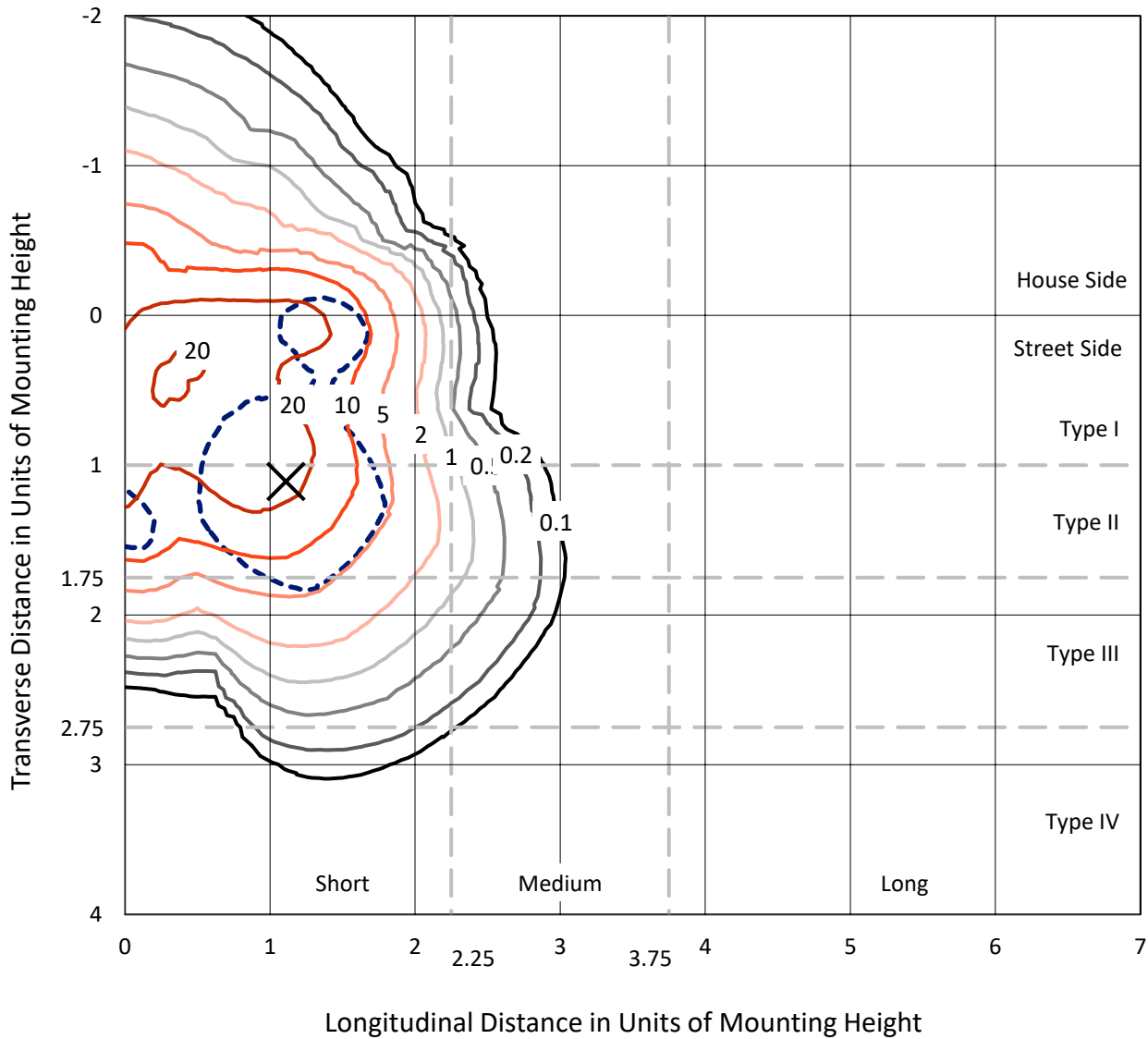
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

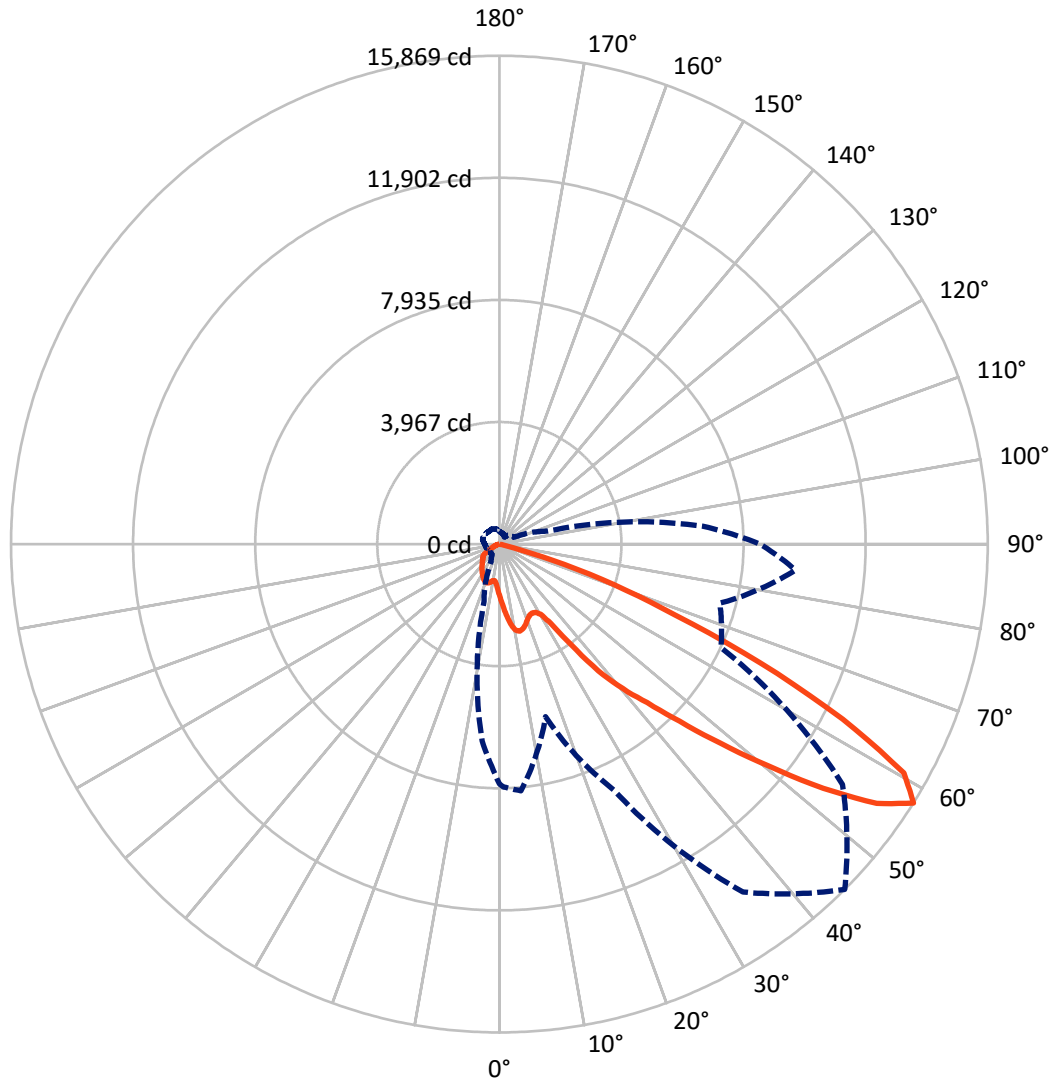
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.1 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	2151.6	0.0	2151.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	7456.8	0.0	7456.8
	% Fixture	77.6	0.0	77.6
Total	Lumens	9608.4	0.0	9608.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	1.7
10°-20°	537.4	5.6
20°-30°	873.0	9.1
30°-40°	1349.0	14.0
40°-50°	2163.1	22.5
50°-60°	2956.4	30.8
60°-70°	1431.8	14.9
70°-80°	131.1	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°	9608.4	100.0
0°-180°	9608.4	100.0

Coefficient of Utilization



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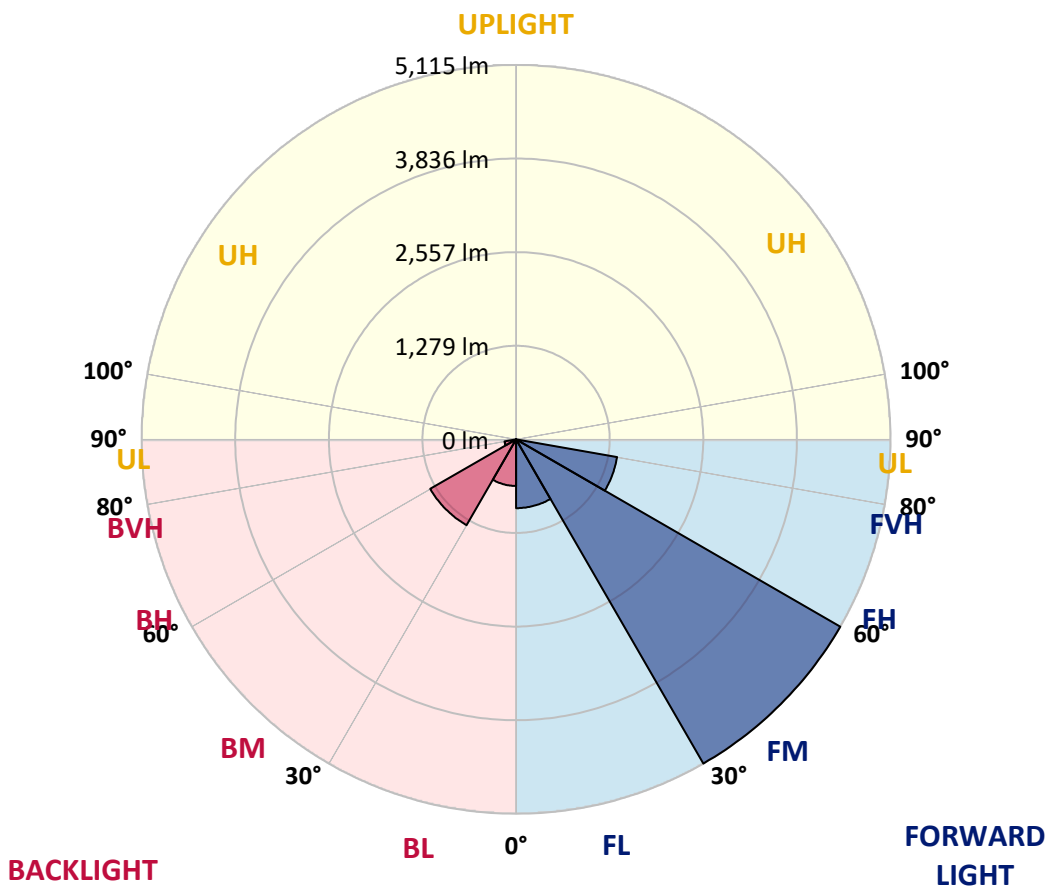
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	940.0	9.8			
FM (30°-60°)	5114.8	53.2			
FH (60°-80°)	1401.7	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	636.6	6.6	B2/1000		
BM (30°-60°)	1353.7	14.1	B2/2500		
BH (60°-80°)	161.3	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°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1829.5	1841.1	1860.5	1901.8	1936.7	1959.9	1970.2	1967.7	1953.5	1943.1	1922.5
5°	2025.8	2025.8	2063.2	2157.5	2229.8	2274.9	2298.2	2284.0	2255.6	2210.4	2140.7
7.5°	2197.5	2203.9	2267.2	2401.5	2511.2	2575.8	2613.2	2605.5	2555.1	2468.6	2329.2
10°	2331.8	2339.5	2423.4	2587.4	2716.5	2782.4	2837.9	2843.0	2787.5	2672.6	2512.5
12.5°	2462.2	2469.9	2557.7	2715.2	2828.8	2855.9	2905.0	2924.4	2910.2	2828.8	2662.3
15°	2602.9	2621.0	2695.8	2813.3	2861.1	2828.8	2861.1	2896.0	2943.7	2936.0	2786.2
17.5°	2741.0	2753.9	2830.1	2871.4	2818.5	2734.6	2750.1	2791.4	2899.8	3005.7	2908.9
20°	2868.9	2886.9	2950.2	2896.0	2735.9	2605.5	2606.8	2661.0	2826.3	3048.3	3034.1
22.5°	3003.1	3030.2	3075.4	2923.1	2659.7	2503.5	2509.9	2559.0	2768.2	3088.3	3176.1
25°	3178.7	3204.5	3234.2	2990.2	2635.2	2453.1	2477.7	2522.8	2768.2	3156.8	3351.7
27.5°	3416.3	3434.4	3435.7	3115.5	2677.8	2460.9	2512.5	2564.2	2850.8	3293.6	3586.7
30°	3714.5	3742.9	3705.5	3310.4	2810.8	2564.2	2640.3	2704.9	3029.0	3524.7	3932.7
32.5°	4077.3	4117.4	4067.0	3599.6	3088.3	2920.5	3058.7	3096.1	3313.0	3859.1	4325.2
35°	4503.4	4537.0	4482.8	3999.9	3736.5	3767.5	4018.0	3970.2	3883.7	4271.0	4783.6
37.5°	4970.8	5001.8	4897.2	4606.7	4694.5	4828.8	5229.0	5065.0	4786.2	4801.7	5280.7
40°	5399.4	5433.0	5269.0	5266.5	5447.2	5692.5	6175.4	5949.5	5569.9	5496.3	5746.8
42.5°	5843.6	5866.8	5718.4	5617.6	6028.2	6533.0	7044.3	6739.6	6088.9	6008.9	6330.3
45°	6477.5	6526.6	6261.9	5790.7	6551.1	7500.1	8212.8	7617.6	6442.7	6378.1	7223.8
47.5°	7409.7	7445.9	6906.2	5899.1	7037.9	8704.7	9673.0	8756.3	6753.8	6606.6	8445.2
50°	8180.5	8205.0	7498.8	6017.9	7555.6	10003.6	11337.3	10106.9	7103.7	6984.9	9585.2
52.5°	8748.6	8841.6	8277.3	6261.9	8236.0	11531.0	13179.7	11706.5	7649.9	7715.7	10530.3
55°	8866.1	8992.6	8809.3	6411.7	8835.1	13086.7	14881.4	13138.4	8194.7	8269.6	10848.0
57.5°	7791.9	7892.6	8044.9	5807.4	8820.9	13799.4	15869.1	13613.5	7946.8	7416.2	9658.8
60°	5837.1	5906.9	6183.2	4438.9	8112.1	13169.4	15099.6	12805.3	6948.8	5659.0	7359.4
62.5°	3461.5	3492.5	3842.4	2875.3	6733.2	11341.2	12522.5	11049.4	5491.1	3806.2	4507.3
65°	1328.6	1315.6	1582.9	1418.9	4951.4	9033.9	9314.1	8423.2	3767.5	1744.3	1718.5
67.5°	205.3	196.2	264.7	419.6	3571.2	6260.6	6145.7	6070.8	2360.2	406.7	355.1
70°	46.5	46.5	56.8	123.9	2182.0	3678.4	3936.6	3753.3	1510.6	86.5	46.5
72.5°	21.9	21.9	27.1	52.9	790.2	1515.8	1766.2	1739.1	490.6	28.4	16.8
75°	7.7	9.0	9.0	11.6	47.8	78.8	180.8	129.1	31.0	0.0	0.0
77.5°	2.6	2.6	2.6	2.6	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°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1877.3	1868.2	1834.7	1789.5	1745.6	1706.9	1666.8	1619.1	1584.2	1544.2	1531.3
5°	2086.4	2029.6	1938.0	1842.4	1754.6	1679.7	1607.4	1530.0	1473.2	1416.4	1397.0
7.5°	2263.3	2179.4	2030.9	1887.6	1767.5	1661.7	1557.1	1451.2	1368.6	1301.4	1280.8
10°	2422.1	2325.3	2126.5	1949.6	1798.5	1675.9	1549.3	1416.4	1309.2	1229.1	1209.8
12.5°	2559.0	2446.7	2207.8	1996.1	1811.4	1670.7	1548.0	1442.2	1345.3	1253.7	1229.1
15°	2673.9	2550.0	2276.2	2027.1	1792.1	1606.1	1499.0	1482.2	1474.5	1373.7	1326.0
17.5°	2786.2	2646.8	2331.8	2041.3	1737.8	1492.5	1415.1	1491.2	1572.6	1506.7	1446.0
20°	2903.7	2744.9	2388.6	2043.8	1647.5	1364.7	1351.8	1471.9	1575.2	1554.5	1497.7
22.5°	3041.9	2867.6	2459.6	2042.5	1533.8	1256.3	1305.3	1434.4	1518.4	1517.1	1471.9
25°	3242.0	3022.5	2555.1	2050.3	1409.9	1172.3	1253.7	1371.2	1439.6	1437.0	1399.6
27.5°	3456.3	3207.1	2679.1	2069.7	1304.0	1123.3	1193.0	1284.7	1344.1	1341.5	1309.2
30°	3757.1	3420.2	2797.8	2070.9	1227.9	1097.4	1125.9	1189.1	1245.9	1239.5	1214.9
32.5°	4122.5	3660.3	2897.3	1997.4	1180.1	1072.9	1056.1	1088.4	1132.3	1123.3	1116.8
35°	4564.1	3945.6	2982.5	1836.0	1106.5	1023.9	978.7	985.1	1016.1	1021.3	1018.7
37.5°	5067.6	4285.2	3088.3	1622.9	1007.1	952.8	892.2	887.0	905.1	921.9	934.8
40°	5564.7	4667.4	3231.7	1407.3	916.7	862.5	804.4	791.5	799.2	828.9	856.0
42.5°	6123.8	5110.2	3386.6	1222.7	854.7	763.0	707.5	683.0	704.9	752.7	785.0
45°	6929.4	5731.3	3537.7	1075.5	828.9	675.3	600.4	597.8	622.3	684.3	720.4
47.5°	8060.4	6534.3	3637.1	960.6	827.6	606.8	517.7	533.2	561.6	622.3	663.6
50°	9163.0	7540.1	3527.3	872.8	800.5	561.6	455.8	486.8	515.2	568.1	610.7
52.5°	9828.0	8081.1	3100.0	790.2	716.6	541.0	395.1	449.3	454.5	502.2	547.4
55°	9758.3	7731.2	2374.4	662.3	592.6	511.3	331.8	405.4	408.0	444.1	482.9
57.5°	8469.7	6637.6	1630.7	537.1	445.4	422.2	273.7	342.1	366.7	388.6	417.0
60°	6312.3	4843.0	726.9	436.4	282.8	285.3	233.7	258.2	295.7	321.5	346.0
62.5°	3719.7	2786.2	295.7	262.1	156.2	179.5	188.5	188.5	211.7	231.1	246.6
65°	1406.0	974.8	120.1	131.7	81.3	83.9	111.0	136.9	154.9	171.7	192.4
67.5°	246.6	170.4	62.0	49.1	47.8	42.6	56.8	89.1	99.4	112.3	121.4
70°	41.3	34.9	25.8	24.5	21.9	23.2	37.4	63.3	69.7	73.6	77.5
72.5°	11.6	10.3	7.7	6.5	5.2	6.5	23.2	49.1	51.6	54.2	58.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	9.0	34.9	37.4	38.7	42.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	10.3	12.9	10.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1523.5	1497.7	1483.5	1475.7	1475.7	1465.4	1453.8	1449.9	1466.7	1466.7	1495.1
5°	1372.5	1351.8	1328.6	1314.4	1292.4	1296.3	1283.4	1282.1	1298.9	1306.6	1336.3
7.5°	1267.9	1242.1	1227.9	1218.8	1207.2	1202.0	1190.4	1186.5	1195.6	1208.5	1236.9
10°	1198.2	1194.3	1193.0	1199.4	1199.4	1193.0	1182.7	1176.2	1178.8	1203.3	1235.6
12.5°	1216.2	1224.0	1226.6	1236.9	1242.1	1236.9	1229.1	1231.7	1248.5	1293.7	1341.5
15°	1295.0	1288.5	1286.0	1291.1	1295.0	1289.8	1287.2	1306.6	1364.7	1429.3	1483.5
17.5°	1378.9	1337.6	1319.5	1319.5	1322.1	1319.5	1322.1	1359.5	1453.8	1518.4	1558.4
20°	1421.5	1345.3	1316.9	1310.5	1315.6	1316.9	1326.0	1368.6	1471.9	1517.1	1526.1
22.5°	1408.6	1313.1	1280.8	1275.6	1280.8	1286.0	1295.0	1331.1	1428.0	1451.2	1447.3
25°	1344.1	1249.8	1224.0	1224.0	1235.6	1234.3	1238.2	1264.0	1344.1	1358.3	1351.8
27.5°	1262.7	1173.6	1151.7	1164.6	1174.9	1172.3	1173.6	1195.6	1255.0	1258.8	1252.4
30°	1180.1	1102.6	1082.0	1097.4	1111.7	1109.1	1110.4	1132.3	1169.8	1165.9	1156.8
32.5°	1096.2	1039.3	1023.9	1032.9	1054.8	1052.3	1057.4	1080.7	1094.9	1078.1	1067.8
35°	1018.7	989.0	977.4	982.5	999.3	1003.2	1012.2	1027.7	1027.7	1007.1	989.0
37.5°	946.4	942.5	934.8	928.3	943.8	955.4	968.3	986.4	960.6	930.9	914.1
40°	879.2	896.0	885.7	868.9	878.0	894.7	920.6	934.8	903.8	874.1	845.7
42.5°	817.3	845.7	841.8	821.1	828.9	844.4	874.1	885.7	849.6	816.0	788.9
45°	757.9	797.9	800.5	774.7	782.4	797.9	832.8	836.6	790.2	754.0	734.6
47.5°	706.2	750.1	751.4	732.1	734.6	756.6	788.9	790.2	737.2	703.7	679.1
50°	657.2	707.5	711.4	694.6	697.2	723.0	750.1	745.0	688.2	653.3	631.4
52.5°	597.8	666.2	675.3	667.5	677.8	698.5	715.3	697.2	631.4	596.5	577.1
55°	533.2	622.3	641.7	636.5	648.1	664.9	668.8	657.2	574.5	539.7	521.6
57.5°	458.3	512.6	546.1	535.8	544.9	561.6	573.3	564.2	502.2	475.1	459.6
60°	379.6	415.7	423.5	406.7	399.0	428.7	455.8	444.1	391.2	374.4	356.3
62.5°	277.6	318.9	324.1	302.1	293.1	325.4	348.6	337.0	278.9	260.8	246.6
65°	222.1	260.8	271.1	250.5	245.3	269.8	284.0	255.6	214.3	195.0	179.5
67.5°	145.9	176.9	204.0	202.7	192.4	200.1	189.8	166.6	136.9	126.5	116.2
70°	90.4	108.5	125.2	131.7	130.4	127.8	113.6	96.8	87.8	83.9	78.8
72.5°	69.7	87.8	100.7	104.6	105.9	102.0	90.4	74.9	65.8	60.7	56.8
75°	51.6	65.8	76.2	81.3	83.9	81.3	69.7	59.4	50.4	46.5	42.6
77.5°	18.1	21.9	27.1	29.7	28.4	27.1	24.5	24.5	19.4	18.1	15.5
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-SA3F-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1527.4	1550.6	1593.2	1632.0	1673.3	1715.9	1762.4	1810.1	1832.1	1829.5
5°	1381.5	1431.8	1501.6	1577.7	1663.0	1754.6	1856.6	1961.2	2006.4	2025.8
7.5°	1289.8	1360.8	1452.5	1549.3	1661.7	1792.1	1945.7	2109.7	2175.5	2197.5
10°	1301.4	1384.1	1460.3	1554.5	1674.6	1843.7	2034.8	2229.8	2307.2	2331.8
12.5°	1395.7	1413.8	1434.4	1511.9	1663.0	1882.4	2116.1	2348.5	2437.6	2462.2
15°	1480.9	1397.0	1358.3	1429.3	1621.6	1909.6	2198.8	2476.4	2574.5	2602.9
17.5°	1484.8	1358.3	1271.7	1327.3	1554.5	1921.2	2280.1	2606.8	2713.9	2741.0
20°	1437.0	1315.6	1204.6	1205.9	1462.8	1918.6	2347.2	2724.3	2844.3	2868.9
22.5°	1367.3	1265.3	1150.4	1110.4	1364.7	1913.4	2420.8	2849.5	2979.9	3003.1
25°	1289.8	1200.7	1098.7	1038.1	1266.6	1918.6	2524.1	3013.5	3156.8	3178.7
27.5°	1205.9	1129.7	1058.7	1009.7	1184.0	1938.0	2648.1	3222.6	3393.1	3416.3
30°	1118.1	1061.3	1032.9	1003.2	1132.3	1943.1	2782.4	3466.6	3682.3	3714.5
32.5°	1031.6	1000.6	1001.9	1007.1	1083.2	1907.0	2905.0	3737.8	4025.7	4077.3
35°	951.6	942.5	968.3	994.2	1012.2	1814.0	3012.2	4058.0	4450.5	4503.4
37.5°	883.1	890.9	923.1	949.0	934.8	1682.3	3154.2	4458.2	4925.6	4970.8
40°	817.3	836.6	874.1	885.7	875.4	1528.7	3324.6	4844.3	5337.5	5399.4
42.5°	756.6	770.8	823.7	826.3	858.6	1372.5	3488.6	5260.0	5811.3	5843.6
45°	707.5	704.9	759.2	776.0	880.5	1199.4	3648.7	5813.9	6431.0	6477.5
47.5°	659.8	657.2	670.1	746.3	889.6	1039.3	3807.5	6624.7	7329.7	7409.7
50°	614.6	618.4	578.4	732.1	840.5	916.7	3879.8	7374.9	8146.9	8180.5
52.5°	574.5	560.3	490.6	685.6	735.9	800.5	3674.5	7715.7	8653.1	8748.6
55°	517.7	439.0	404.1	556.5	581.0	698.5	3009.6	7518.2	8697.0	8866.1
57.5°	442.9	344.7	343.4	410.6	410.6	648.1	1927.6	6423.3	7494.9	7791.9
60°	340.9	267.3	284.0	285.3	263.4	472.5	1082.0	4653.2	5541.5	5837.1
62.5°	242.7	204.0	214.3	170.4	151.1	236.3	519.0	2679.1	3420.2	3461.5
65°	162.7	138.1	112.3	94.3	93.0	100.7	214.3	968.3	1177.5	1328.6
67.5°	107.2	83.9	59.4	59.4	67.1	67.1	81.3	160.1	224.7	205.3
70°	69.7	58.1	37.4	36.2	43.9	43.9	41.3	43.9	46.5	46.5
72.5°	51.6	43.9	21.9	19.4	24.5	25.8	23.2	21.9	21.9	21.9
75°	38.7	31.0	12.9	9.0	11.6	15.5	12.9	9.0	9.0	7.7
77.5°	15.5	11.6	5.2	3.9	6.5	9.0	7.7	3.9	2.6	2.6
80°	1.3	2.6	2.6	2.6	3.9	5.2	6.5	2.6	1.3	1.3
82.5°	0.0	1.3	1.3	1.3	2.6	3.9	5.2	2.6	1.3	1.3
85°	0.0	0.0	0.0	0.0	2.6	3.9	2.6	1.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.3	3.9	2.6	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)