

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: P634853

Luminaire Tested: GWS-SA3C-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634853
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-SA3C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7612.5 lumens
Efficiency: N/A
Efficacy: 81.9 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

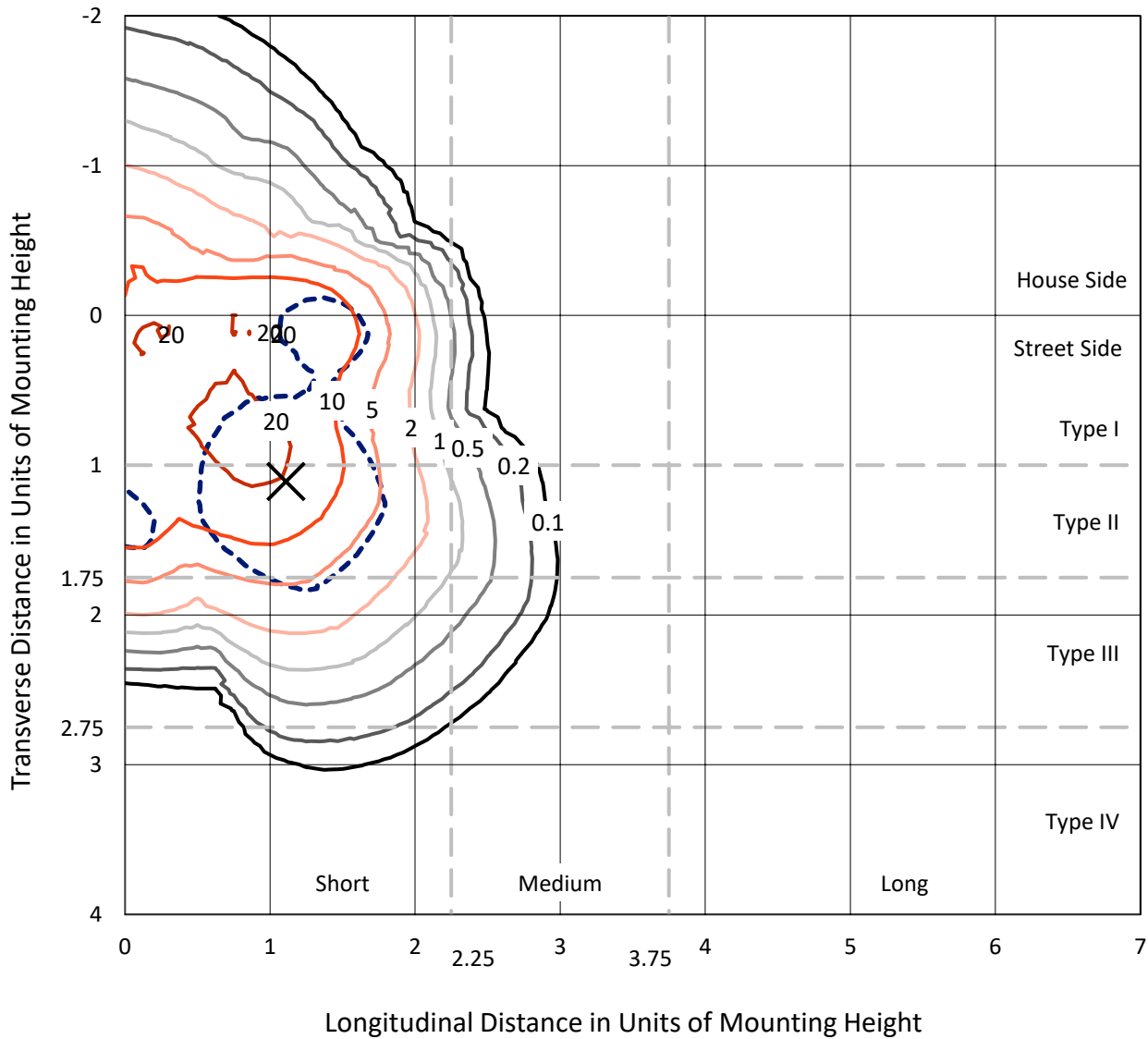
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

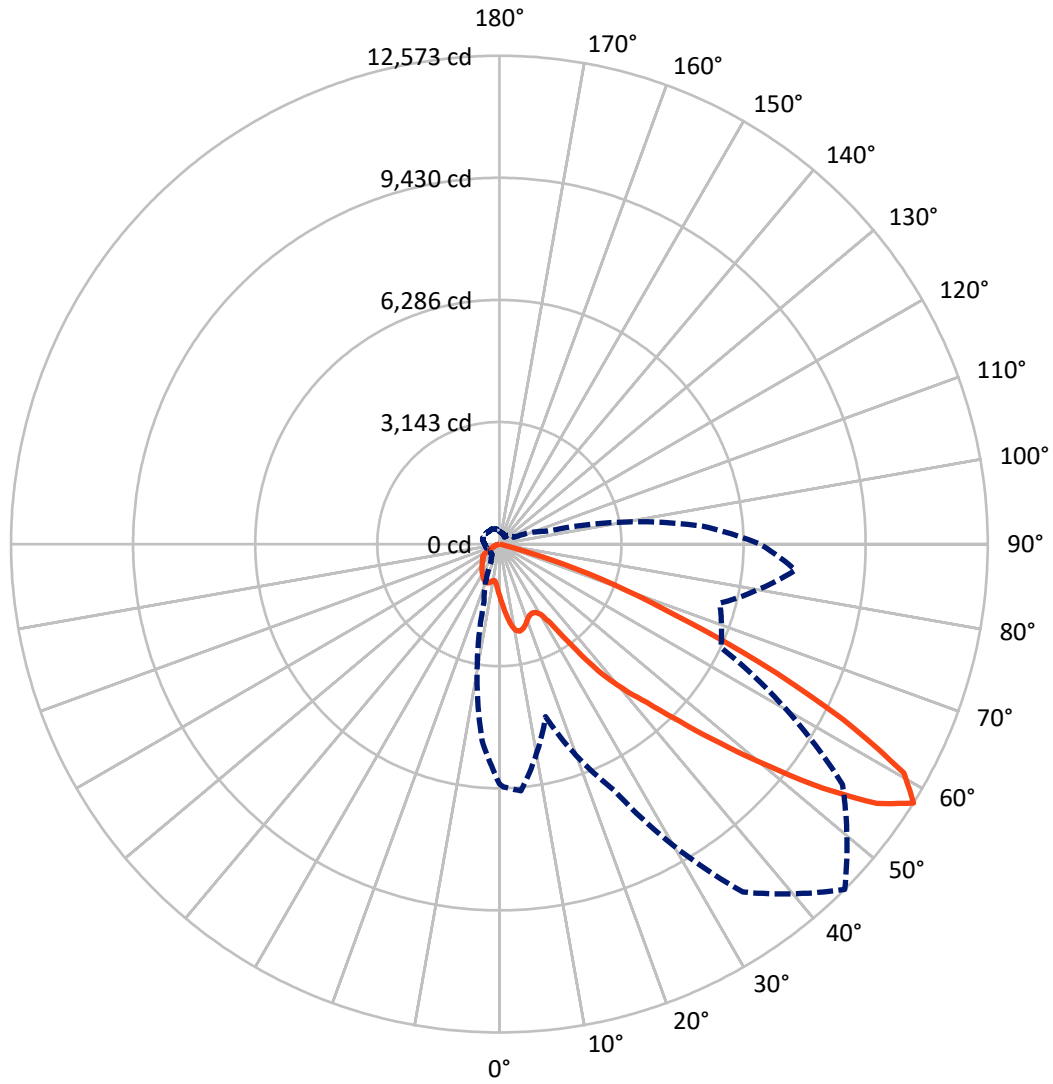
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.8 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	1704.6	0.0	1704.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	5907.9	0.0	5907.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	7612.5	0.0	7612.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	1.7
10°-20°	425.8	5.6
20°-30°	691.7	9.1
30°-40°	1068.8	14.0
40°-50°	1713.8	22.5
50°-60°	2342.3	30.8
60°-70°	1134.4	14.9
70°-80°	103.9	1.4
80°-90°	0.3	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°	7612.5	100.0
0°-180°	7612.5	100.0

Coefficient of Utilization



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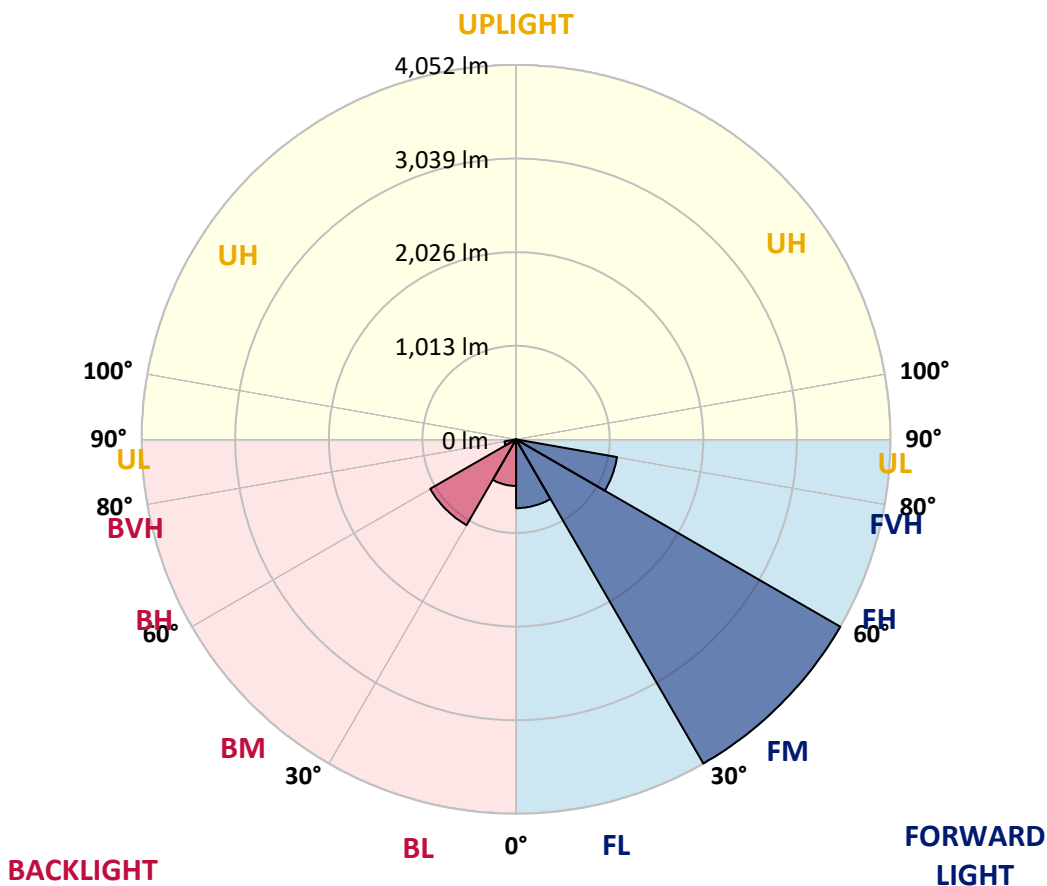
CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	744.7	9.8			
FM (30°-60°)	4052.3	53.2			
FH (60°-80°)	1110.5	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	504.4	6.6	B2/1000		
BM (30°-60°)	1072.5	14.1	B2/2500		
BH (60°-80°)	127.8	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°	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0
2.5°	1449.5	1458.7	1474.0	1506.8	1534.4	1552.8	1561.0	1558.9	1547.7	1539.5	1523.1
5°	1605.0	1605.0	1634.6	1709.3	1766.6	1802.4	1820.8	1809.5	1787.0	1751.2	1696.0
7.5°	1741.0	1746.1	1796.2	1902.6	1989.6	2040.7	2070.4	2064.3	2024.4	1955.8	1845.3
10°	1847.4	1853.5	1920.0	2049.9	2152.2	2204.4	2248.4	2252.5	2208.5	2117.4	1990.6
12.5°	1950.7	1956.8	2026.4	2151.2	2241.2	2262.7	2301.6	2316.9	2305.7	2241.2	2109.3
15°	2062.2	2076.5	2135.9	2228.9	2266.8	2241.2	2266.8	2294.4	2332.3	2326.1	2207.5
17.5°	2171.7	2181.9	2242.2	2275.0	2233.0	2166.5	2178.8	2211.6	2297.5	2381.4	2304.6
20°	2272.9	2287.2	2337.4	2294.4	2167.6	2064.3	2065.3	2108.2	2239.2	2415.1	2403.9
22.5°	2379.3	2400.8	2436.6	2315.9	2107.2	1983.4	1988.6	2027.4	2193.1	2446.8	2516.4
25°	2518.4	2538.9	2562.4	2369.1	2087.8	1943.5	1963.0	1998.8	2193.1	2501.0	2655.5
27.5°	2706.6	2721.0	2722.0	2468.3	2121.5	1949.7	1990.6	2031.5	2258.6	2609.5	2841.7
30°	2942.9	2965.4	2935.8	2622.8	2226.9	2031.5	2091.9	2143.0	2399.8	2792.6	3115.8
32.5°	3230.4	3262.1	3222.2	2851.9	2446.8	2313.8	2423.3	2453.0	2624.8	3057.5	3426.8
35°	3567.9	3594.5	3551.6	3169.0	2960.3	2984.9	3183.3	3145.5	3076.9	3383.8	3789.9
37.5°	3938.2	3962.8	3879.9	3649.8	3719.3	3825.7	4142.8	4012.9	3792.0	3804.2	4183.7
40°	4277.8	4304.4	4174.5	4172.5	4315.7	4510.1	4892.6	4713.6	4412.9	4354.6	4553.0
42.5°	4629.7	4648.1	4530.5	4450.7	4776.0	5176.0	5581.0	5339.6	4824.1	4760.7	5015.4
45°	5132.0	5170.9	4961.2	4587.8	5190.3	5942.1	6506.8	6035.2	5104.4	5053.2	5723.2
47.5°	5870.5	5899.2	5471.6	4673.7	5575.9	6896.5	7663.7	6937.4	5350.9	5234.3	6690.9
50°	6481.2	6500.7	5941.1	4767.8	5986.1	7925.6	8982.3	8007.4	5628.1	5534.0	7594.2
52.5°	6931.3	7005.0	6557.9	4961.2	6525.2	9135.7	10442.0	9274.8	6060.8	6113.0	8342.9
55°	7024.4	7124.6	6979.4	5079.8	6999.8	10368.3	11790.2	10409.2	6492.5	6551.8	8594.6
57.5°	6173.3	6253.1	6373.8	4601.1	6988.6	10933.0	12572.7	10785.7	6296.1	5875.6	7652.5
60°	4624.6	4679.9	4898.8	3516.8	6427.0	10433.8	11963.0	10145.3	5505.4	4483.5	5830.6
62.5°	2742.4	2767.0	3044.2	2278.0	5334.5	8985.3	9921.3	8754.1	4350.5	3015.6	3571.0
65°	1052.6	1042.4	1254.1	1124.2	3922.9	7157.4	7379.3	6673.5	2984.9	1382.0	1361.5
67.5°	162.6	155.5	209.7	332.4	2829.4	4960.1	4869.1	4809.8	1869.9	322.2	281.3
70°	36.8	36.8	45.0	98.2	1728.7	2914.3	3118.9	2973.6	1196.8	68.5	36.8
72.5°	17.4	17.4	21.5	41.9	626.0	1200.9	1399.4	1377.9	388.7	22.5	13.3
75°	6.1	7.2	7.2	9.2	37.8	62.4	143.2	102.3	24.6	0.0	0.0
77.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	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°	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0
2.5°	1487.3	1480.2	1453.6	1417.8	1383.0	1352.3	1320.6	1282.7	1255.1	1223.4	1213.2
5°	1653.0	1608.0	1535.4	1459.7	1390.1	1330.8	1273.5	1212.2	1167.2	1122.1	1106.8
7.5°	1793.2	1726.7	1609.1	1495.5	1400.4	1316.5	1233.6	1149.8	1084.3	1031.1	1014.7
10°	1919.0	1842.3	1684.7	1544.6	1424.9	1327.7	1227.5	1122.1	1037.2	973.8	958.5
12.5°	2027.4	1938.4	1749.2	1581.4	1435.2	1323.7	1226.5	1142.6	1065.9	993.3	973.8
15°	2118.5	2020.3	1803.4	1606.0	1419.8	1272.5	1187.6	1174.3	1168.2	1088.4	1050.5
17.5°	2207.5	2097.0	1847.4	1617.2	1376.8	1182.5	1121.1	1181.5	1245.9	1193.7	1145.7
20°	2300.5	2174.7	1892.4	1619.3	1305.2	1081.2	1071.0	1166.1	1248.0	1231.6	1186.6
22.5°	2410.0	2271.9	1948.7	1618.3	1215.2	995.3	1034.2	1136.5	1203.0	1201.9	1166.1
25°	2568.6	2394.7	2024.4	1624.4	1117.0	928.8	993.3	1086.3	1140.6	1138.5	1108.8
27.5°	2738.4	2540.9	2122.6	1639.7	1033.1	889.9	945.2	1017.8	1064.9	1062.8	1037.2
30°	2976.7	2709.7	2216.7	1640.8	972.8	869.5	892.0	942.1	987.1	982.0	962.6
32.5°	3266.2	2900.0	2295.4	1582.5	934.9	850.0	836.7	862.3	897.1	889.9	884.8
35°	3616.0	3126.0	2362.9	1454.6	876.6	811.2	775.4	780.5	805.0	809.1	807.1
37.5°	4015.0	3395.1	2446.8	1285.8	797.9	754.9	706.8	702.7	717.1	730.4	740.6
40°	4408.8	3697.9	2560.4	1115.0	726.3	683.3	637.3	627.0	633.2	656.7	678.2
42.5°	4851.7	4048.7	2683.1	968.7	677.2	604.5	560.6	541.1	558.5	596.4	621.9
45°	5490.0	4540.7	2802.8	852.1	656.7	535.0	475.7	473.6	493.0	542.1	570.8
47.5°	6386.1	5177.0	2881.6	761.1	655.7	480.8	410.2	422.5	445.0	493.0	525.8
50°	7259.7	5973.8	2794.6	691.5	634.2	445.0	361.1	385.6	408.1	450.1	483.8
52.5°	7786.5	6402.5	2456.0	626.0	567.7	428.6	313.0	356.0	360.1	397.9	433.7
55°	7731.2	6125.2	1881.1	524.8	469.5	405.1	262.9	321.2	323.2	351.9	382.6
57.5°	6710.4	5258.8	1291.9	425.5	352.9	334.5	216.9	271.1	290.5	307.9	330.4
60°	5001.1	3837.0	575.9	345.7	224.0	226.1	185.1	204.6	234.2	254.7	274.1
62.5°	2947.0	2207.5	234.2	207.7	123.8	142.2	149.3	149.3	167.8	183.1	195.4
65°	1114.0	772.3	95.1	104.3	64.4	66.5	88.0	108.4	122.8	136.0	152.4
67.5°	195.4	135.0	49.1	38.9	37.8	33.8	45.0	70.6	78.8	89.0	96.2
70°	32.7	27.6	20.5	19.4	17.4	18.4	29.7	50.1	55.2	58.3	61.4
72.5°	9.2	8.2	6.1	5.1	4.1	5.1	18.4	38.9	40.9	43.0	46.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.2	27.6	29.7	30.7	33.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	8.2	10.2	8.2
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°	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0
2.5°	1207.0	1186.6	1175.3	1169.2	1169.2	1161.0	1151.8	1148.7	1162.0	1162.0	1184.5
5°	1087.4	1071.0	1052.6	1041.3	1023.9	1027.0	1016.8	1015.8	1029.1	1035.2	1058.7
7.5°	1004.5	984.0	972.8	965.6	956.4	952.3	943.1	940.1	947.2	957.5	980.0
10°	949.3	946.2	945.2	950.3	950.3	945.2	937.0	931.9	933.9	953.4	978.9
12.5°	963.6	969.7	971.8	980.0	984.0	980.0	973.8	975.9	989.2	1025.0	1062.8
15°	1026.0	1020.9	1018.8	1022.9	1026.0	1021.9	1019.9	1035.2	1081.2	1132.4	1175.3
17.5°	1092.5	1059.7	1045.4	1045.4	1047.5	1045.4	1047.5	1077.1	1151.8	1203.0	1234.7
20°	1126.2	1065.9	1043.4	1038.3	1042.4	1043.4	1050.5	1084.3	1166.1	1201.9	1209.1
22.5°	1116.0	1040.3	1014.7	1010.6	1014.7	1018.8	1026.0	1054.6	1131.3	1149.8	1146.7
25°	1064.9	990.2	969.7	969.7	978.9	977.9	981.0	1001.4	1064.9	1076.1	1071.0
27.5°	1000.4	929.8	912.4	922.7	930.9	928.8	929.8	947.2	994.3	997.3	992.2
30°	934.9	873.6	857.2	869.5	880.7	878.7	879.7	897.1	926.8	923.7	916.5
32.5°	868.5	823.5	811.2	818.3	835.7	833.7	837.8	856.2	867.4	854.1	846.0
35°	807.1	783.6	774.3	778.4	791.7	794.8	802.0	814.2	814.2	797.9	783.6
37.5°	749.8	746.7	740.6	735.5	747.8	757.0	767.2	781.5	761.1	737.5	724.2
40°	696.6	709.9	701.7	688.4	695.6	708.9	729.3	740.6	716.0	692.5	670.0
42.5°	647.5	670.0	666.9	650.6	656.7	669.0	692.5	701.7	673.1	646.5	625.0
45°	600.5	632.2	634.2	613.8	619.9	632.2	659.8	662.9	626.0	597.4	582.0
47.5°	559.5	594.3	595.3	580.0	582.0	599.4	625.0	626.0	584.1	557.5	538.1
50°	520.7	560.6	563.6	550.3	552.4	572.8	594.3	590.2	545.2	517.6	500.2
52.5°	473.6	527.8	535.0	528.8	537.0	553.4	566.7	552.4	500.2	472.6	457.2
55°	422.5	493.0	508.4	504.3	513.5	526.8	529.9	520.7	455.2	427.6	413.3
57.5°	363.1	406.1	432.7	424.5	431.7	445.0	454.2	447.0	397.9	376.4	364.2
60°	300.7	329.4	335.5	322.2	316.1	339.6	361.1	351.9	309.9	296.6	282.3
62.5°	219.9	252.7	256.8	239.4	232.2	257.8	276.2	267.0	221.0	206.6	195.4
65°	175.9	206.6	214.8	198.4	194.4	213.8	225.0	202.5	169.8	154.5	142.2
67.5°	115.6	140.1	161.6	160.6	152.4	158.6	150.4	132.0	108.4	100.2	92.1
70°	71.6	85.9	99.2	104.3	103.3	101.3	90.0	76.7	69.6	66.5	62.4
72.5°	55.2	69.6	79.8	82.9	83.9	80.8	71.6	59.3	52.2	48.1	45.0
75°	40.9	52.2	60.4	64.4	66.5	64.4	55.2	47.1	39.9	36.8	33.8
77.5°	14.3	17.4	21.5	23.5	22.5	21.5	19.4	19.4	15.3	14.3	12.3
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-SA3C-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0	1338.0
2.5°	1210.1	1228.5	1262.3	1293.0	1325.7	1359.5	1396.3	1434.1	1451.5	1449.5
5°	1094.5	1134.4	1189.7	1250.0	1317.5	1390.1	1471.0	1553.8	1589.6	1605.0
7.5°	1021.9	1078.2	1150.8	1227.5	1316.5	1419.8	1541.5	1671.5	1723.6	1741.0
10°	1031.1	1096.6	1156.9	1231.6	1326.7	1460.7	1612.1	1766.6	1828.0	1847.4
12.5°	1105.8	1120.1	1136.5	1197.8	1317.5	1491.4	1676.6	1860.7	1931.3	1950.7
15°	1173.3	1106.8	1076.1	1132.4	1284.8	1512.9	1742.0	1962.0	2039.7	2062.2
17.5°	1176.4	1076.1	1007.6	1051.6	1231.6	1522.1	1806.5	2065.3	2150.2	2171.7
20°	1138.5	1042.4	954.4	955.4	1159.0	1520.1	1859.7	2158.4	2253.5	2272.9
22.5°	1083.3	1002.5	911.4	879.7	1081.2	1516.0	1918.0	2257.6	2360.9	2379.3
25°	1021.9	951.3	870.5	822.4	1003.5	1520.1	1999.8	2387.5	2501.0	2518.4
27.5°	955.4	895.1	838.8	799.9	938.0	1535.4	2098.0	2553.2	2688.2	2706.6
30°	885.8	840.8	818.3	794.8	897.1	1539.5	2204.4	2746.5	2917.4	2942.9
32.5°	817.3	792.8	793.8	797.9	858.2	1510.9	2301.6	2961.4	3189.5	3230.4
35°	753.9	746.7	767.2	787.6	802.0	1437.2	2386.5	3215.0	3526.0	3567.9
37.5°	699.7	705.8	731.4	751.8	740.6	1332.9	2499.0	3532.1	3902.4	3938.2
40°	647.5	662.9	692.5	701.7	693.5	1211.1	2634.0	3838.0	4228.7	4277.8
42.5°	599.4	610.7	652.6	654.7	680.2	1087.4	2763.9	4167.4	4604.2	4629.7
45°	560.6	558.5	601.5	614.8	697.6	950.3	2890.8	4606.2	5095.2	5132.0
47.5°	522.7	520.7	530.9	591.2	704.8	823.5	3016.6	5248.6	5807.1	5870.5
50°	486.9	490.0	458.3	580.0	665.9	726.3	3073.9	5842.9	6454.6	6481.2
52.5°	455.2	443.9	388.7	543.2	583.1	634.2	2911.2	6113.0	6855.6	6931.3
55°	410.2	347.8	320.2	440.9	460.3	553.4	2384.4	5956.5	6890.4	7024.4
57.5°	350.9	273.1	272.1	325.3	325.3	513.5	1527.2	5089.0	5938.0	6173.3
60°	270.1	211.7	225.0	226.1	208.7	374.4	857.2	3686.6	4390.4	4624.6
62.5°	192.3	161.6	169.8	135.0	119.7	187.2	411.2	2122.6	2709.7	2742.4
65°	128.9	109.5	89.0	74.7	73.7	79.8	169.8	767.2	932.9	1052.6
67.5°	84.9	66.5	47.1	47.1	53.2	53.2	64.4	126.8	178.0	162.6
70°	55.2	46.0	29.7	28.6	34.8	34.8	32.7	34.8	36.8	36.8
72.5°	40.9	34.8	17.4	15.3	19.4	20.5	18.4	17.4	17.4	17.4
75°	30.7	24.6	10.2	7.2	9.2	12.3	10.2	7.2	7.2	6.1
77.5°	12.3	9.2	4.1	3.1	5.1	7.2	6.1	3.1	2.0	2.0
80°	1.0	2.0	2.0	2.0	3.1	4.1	5.1	2.0	1.0	1.0
82.5°	0.0	1.0	1.0	1.0	2.0	3.1	4.1	2.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	2.0	3.1	2.0	1.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.0	3.1	2.0	1.0	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)