

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: P634904

Luminaire Tested: GWS-SA3C-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634904
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-SA3C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7546.5 lumens
Efficiency: N/A
Efficacy: 81.1 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

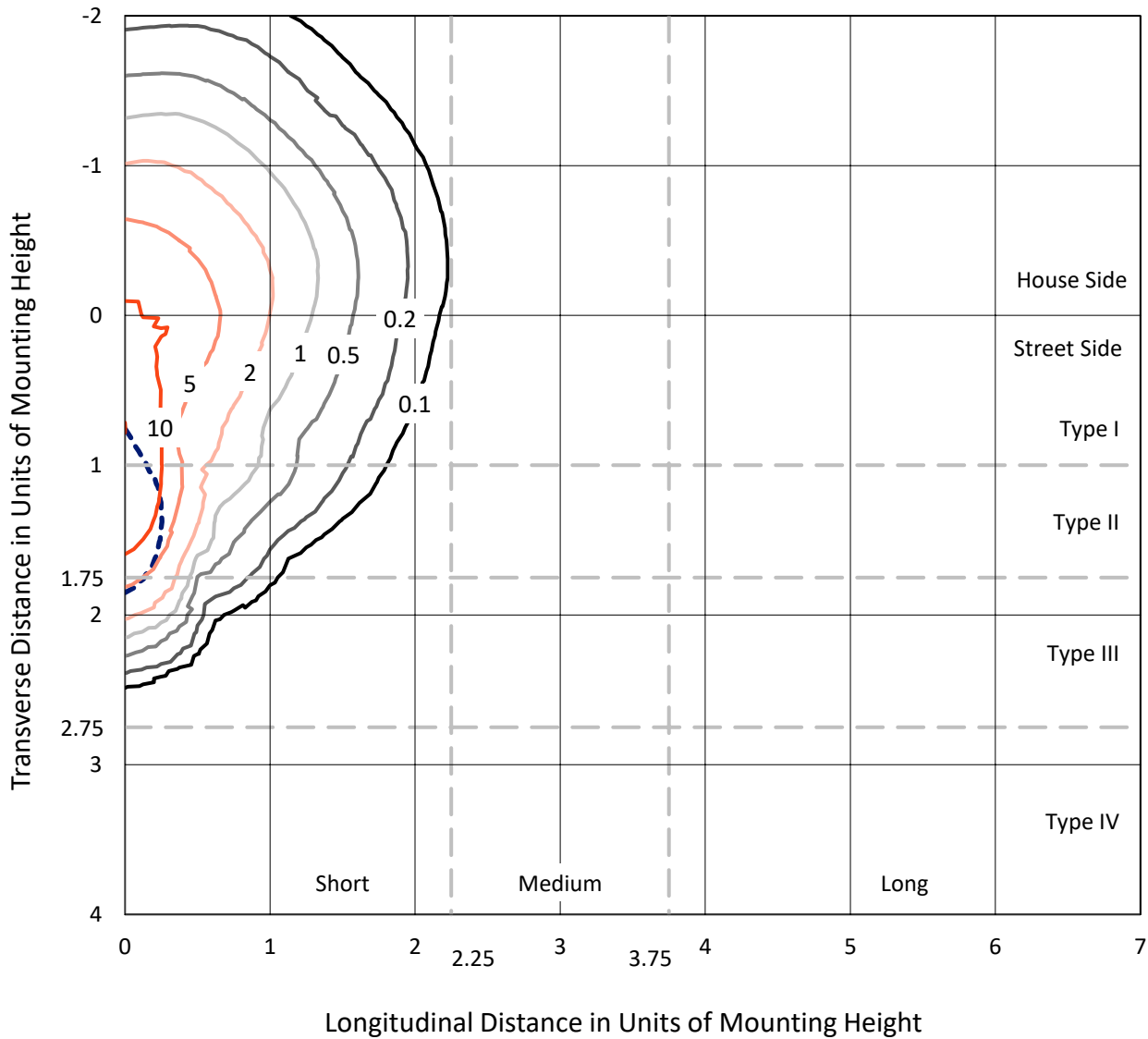
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

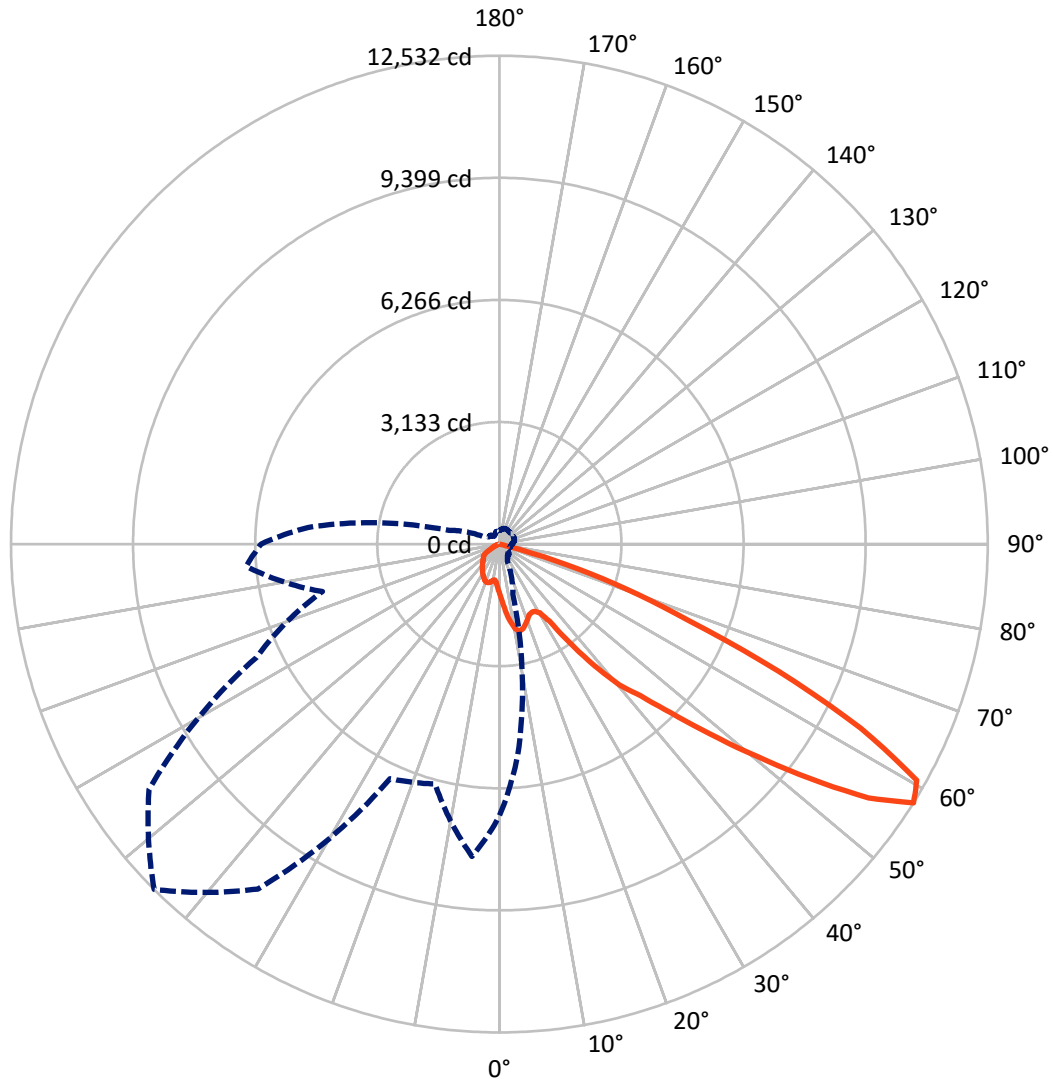
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.1 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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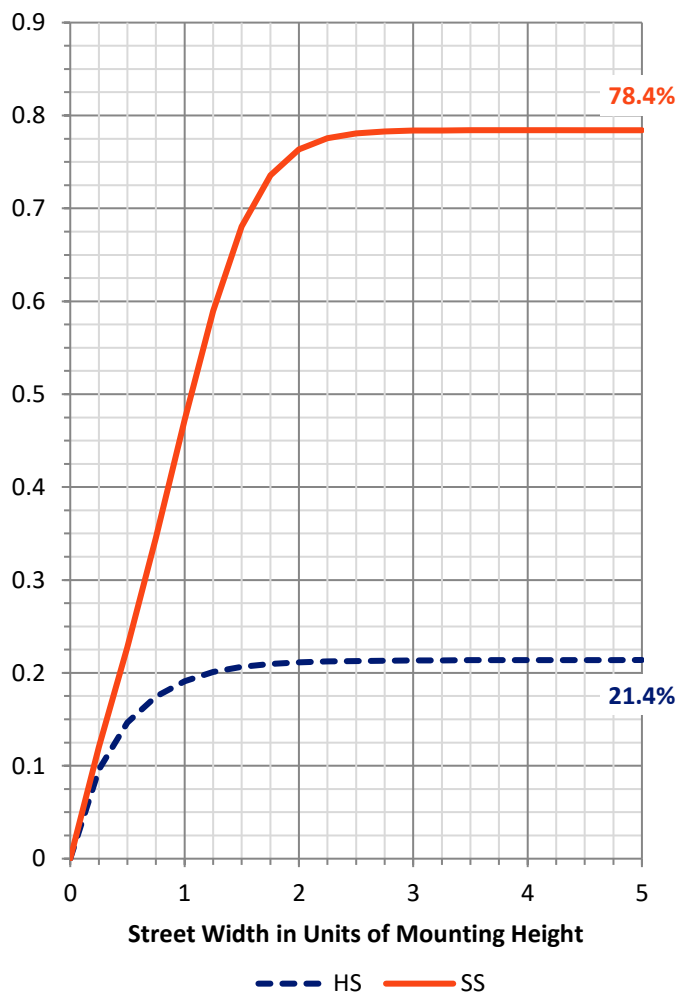
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1625.8	0.0	1625.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5920.7	0.0	5920.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	7546.5	0.0	7546.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	1.7
10°-20°	417.0	5.5
20°-30°	676.8	9.0
30°-40°	1038.7	13.8
40°-50°	1658.9	22.0
50°-60°	2322.8	30.8
60°-70°	1190.9	15.8
70°-80°	114.7	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°	7546.5	100.0
0°-180°	7546.5	100.0

Coefficient of Utilization



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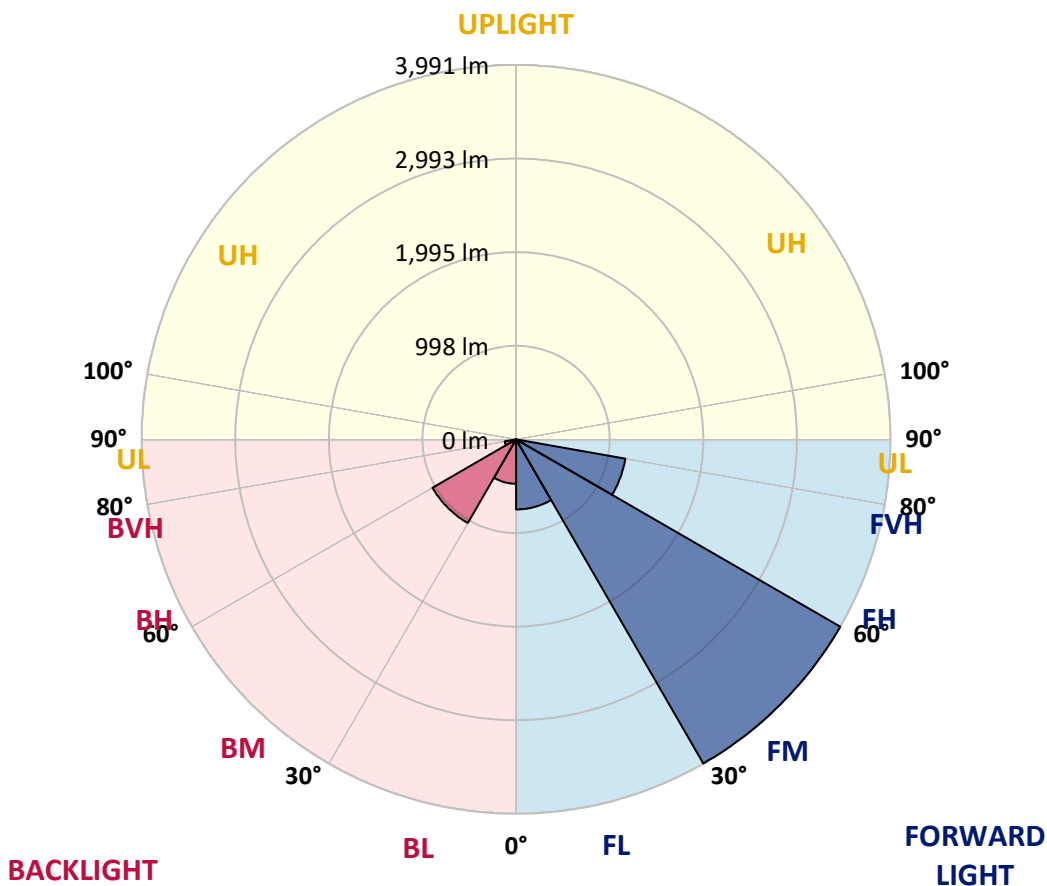
CATALOG NUMBER: GWS-SA3C-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.2	9.9			
FM (30°-60°)	3990.8	52.9			
FH (60°-80°)	1182.8	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	473.4	6.3	B1/500		
BM (30°-60°)	1029.6	13.6	B2/2500		
BH (60°-80°)	122.8	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°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1424.5	1421.5	1411.4	1377.1	1355.9	1322.6	1298.4	1267.1	1232.8	1211.6	1190.5
5°	1575.8	1567.8	1540.5	1461.8	1401.3	1335.7	1283.3	1225.8	1164.2	1123.9	1086.5
7.5°	1721.1	1709.0	1672.7	1539.5	1447.7	1353.9	1279.2	1195.5	1108.7	1048.2	1001.8
10°	1863.4	1836.1	1778.6	1615.2	1491.1	1378.1	1290.3	1194.5	1092.6	1015.9	964.5
12.5°	1980.4	1960.2	1881.5	1686.8	1527.4	1383.1	1275.2	1186.4	1117.8	1066.4	1018.9
15°	2081.3	2059.1	1984.4	1751.4	1558.7	1363.0	1211.6	1134.0	1145.1	1165.2	1124.9
17.5°	2174.1	2150.9	2070.2	1804.9	1570.8	1313.5	1122.9	1085.5	1147.1	1222.7	1207.6
20°	2269.9	2243.7	2144.8	1848.2	1566.8	1235.9	1033.1	1044.2	1130.9	1217.7	1225.8
22.5°	2381.9	2354.7	2239.7	1903.7	1563.7	1143.0	955.4	1007.9	1100.7	1174.3	1188.4
25°	2530.2	2497.9	2371.8	1985.4	1571.8	1058.3	899.9	972.5	1049.2	1115.8	1123.9
27.5°	2725.9	2684.6	2524.2	2086.3	1589.0	991.7	875.7	924.1	983.6	1043.2	1050.2
30°	2981.2	2928.7	2698.7	2174.1	1580.9	945.3	859.5	875.7	911.0	959.4	960.4
32.5°	3279.8	3208.2	2894.4	2249.8	1511.3	911.0	837.4	826.3	834.3	871.7	878.7
35°	3630.9	3538.1	3110.3	2321.4	1384.2	844.4	797.0	759.7	756.6	774.8	792.0
37.5°	4033.4	3922.5	3382.7	2413.2	1233.8	774.8	737.5	700.1	684.0	693.1	719.3
40°	4404.7	4281.6	3667.2	2524.2	1080.5	712.3	667.9	629.5	610.4	613.4	645.7
42.5°	4840.5	4713.4	4015.3	2669.4	953.4	669.9	595.2	555.9	530.7	544.8	582.1
45°	5502.3	5358.1	4522.7	2795.6	852.5	659.8	531.7	476.2	464.1	488.3	532.7
47.5°	6406.3	6229.7	5219.8	2872.2	766.7	668.9	487.3	411.6	414.6	441.9	486.3
50°	7303.1	7112.5	6025.9	2771.3	696.1	650.7	465.1	361.2	380.3	404.6	444.9
52.5°	7919.6	7671.4	6418.4	2479.8	631.5	582.1	463.1	313.8	350.1	358.1	392.4
55°	7943.8	7638.1	6217.6	1955.2	543.8	491.3	441.9	274.4	316.8	319.8	349.1
57.5°	6963.2	6686.7	5433.7	1342.8	483.2	360.2	352.1	240.1	260.3	285.5	303.7
60°	5297.5	5062.5	4063.7	615.4	367.2	229.0	241.1	206.8	194.7	232.0	250.2
62.5°	3244.5	3094.2	2437.4	272.4	234.1	122.1	146.3	164.4	146.3	160.4	175.5
65°	1288.3	1221.7	925.1	116.0	95.8	61.5	66.6	95.8	102.9	113.0	127.1
67.5°	224.0	211.9	155.4	51.5	39.3	37.3	32.3	44.4	62.5	69.6	80.7
70°	29.3	28.2	25.2	21.2	20.2	18.2	14.1	28.2	42.4	44.4	51.5
72.5°	7.1	6.1	6.1	5.0	6.1	2.0	2.0	15.1	30.3	31.3	36.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	19.2	21.2	25.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1173.3	1153.1	1146.1	1136.0	1122.9	1126.9	1108.7	1102.7	1111.8	1123.9	1120.8
5°	1066.4	1044.2	1029.0	1005.8	1001.8	992.7	986.7	978.6	988.7	1002.8	1005.8
7.5°	981.6	962.5	947.3	940.3	935.2	931.2	919.1	913.0	913.0	919.1	924.1
10°	945.3	931.2	928.2	930.2	938.2	937.2	926.1	918.1	908.0	902.9	909.0
12.5°	995.7	972.5	968.5	969.5	979.6	978.6	966.5	956.4	954.4	956.4	975.6
15°	1081.5	1046.2	1020.0	1014.9	1020.0	1017.9	1008.9	1002.8	1005.8	1035.1	1067.4
17.5°	1158.2	1103.7	1056.3	1038.1	1037.1	1034.1	1025.0	1023.0	1038.1	1092.6	1140.0
20°	1180.4	1126.9	1059.3	1036.1	1031.1	1028.0	1017.9	1021.0	1040.1	1105.7	1146.1
22.5°	1151.1	1099.7	1029.0	1005.8	1001.8	1000.8	990.7	994.7	1010.9	1068.4	1101.7
25°	1095.6	1052.2	978.6	958.4	958.4	956.4	947.3	949.3	959.4	1009.9	1042.2
27.5°	1028.0	986.7	925.1	904.9	908.0	911.0	899.9	896.9	904.9	952.4	971.5
30°	950.3	921.1	872.7	854.5	853.5	865.6	850.5	846.4	857.5	894.9	898.9
32.5°	874.7	860.6	826.3	812.1	813.1	815.2	807.1	807.1	817.2	837.4	836.3
35°	801.0	792.0	785.9	775.8	774.8	770.8	770.8	772.8	783.9	790.9	777.8
37.5°	730.4	739.5	746.6	736.5	728.4	728.4	728.4	737.5	747.6	744.5	722.3
40°	667.9	687.0	709.2	698.1	679.0	678.0	682.0	697.1	712.3	694.1	673.9
42.5°	614.4	638.6	669.9	663.8	642.6	639.6	642.6	661.8	673.9	650.7	628.5
45°	561.9	592.2	629.5	629.5	606.3	603.3	604.3	629.5	636.6	609.4	581.1
47.5°	517.5	550.8	590.2	590.2	571.0	565.0	570.0	596.2	601.3	562.9	536.7
50°	475.2	511.5	554.9	551.8	538.7	533.7	542.8	571.0	565.0	522.6	495.4
52.5°	421.7	460.0	519.6	522.6	515.5	516.5	527.6	545.8	528.6	477.2	454.0
55°	373.3	412.6	472.1	488.3	488.3	487.3	492.3	506.4	492.3	430.8	402.5
57.5°	320.8	354.1	403.5	407.6	410.6	399.5	406.6	425.7	418.7	366.2	350.1
60°	263.3	291.6	319.8	322.8	309.7	286.5	299.6	321.8	326.9	287.5	269.4
62.5°	186.6	213.9	247.2	247.2	234.1	210.9	228.0	247.2	240.1	199.8	188.7
65°	139.2	164.4	189.7	200.8	189.7	173.5	186.6	200.8	189.7	156.4	140.2
67.5°	89.8	106.9	122.1	131.2	133.2	131.2	137.2	133.2	120.1	97.9	88.8
70°	54.5	63.6	71.6	79.7	85.8	88.8	91.8	82.7	69.6	57.5	54.5
72.5°	39.3	47.4	54.5	60.5	67.6	69.6	69.6	63.6	51.5	40.4	37.3
75°	27.2	34.3	40.4	44.4	50.4	52.5	52.5	47.4	38.3	29.3	26.2
77.5°	1.0	7.1	7.1	6.1	8.1	10.1	10.1	12.1	11.1	8.1	7.1
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°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1126.9	1163.2	1173.3	1210.6	1243.9	1277.2	1317.6	1341.8	1378.1	1403.3	1417.4
5°	1015.9	1046.2	1082.5	1138.0	1195.5	1259.1	1335.7	1402.3	1486.1	1547.6	1567.8
7.5°	935.2	974.6	1016.9	1086.5	1165.2	1250.0	1357.9	1466.9	1595.0	1678.7	1732.2
10°	920.1	960.4	1016.9	1085.5	1168.3	1265.1	1397.3	1538.5	1698.9	1800.8	1861.3
12.5°	992.7	1036.1	1060.3	1091.6	1154.1	1262.1	1431.6	1611.2	1799.8	1910.8	1975.3
15°	1099.7	1138.0	1098.6	1059.3	1099.7	1229.8	1450.7	1671.7	1888.6	2016.7	2083.3
17.5°	1173.3	1176.3	1090.6	1006.8	1017.9	1171.3	1457.8	1732.2	1983.4	2117.6	2187.2
20°	1166.2	1142.0	1055.3	962.5	928.2	1095.6	1449.7	1785.7	2079.3	2219.5	2288.1
22.5°	1111.8	1083.5	1009.9	919.1	852.5	1005.8	1435.6	1834.1	2167.0	2326.4	2391.0
25°	1046.2	1015.9	955.4	875.7	804.1	919.1	1424.5	1900.7	2278.0	2465.7	2516.1
27.5°	969.5	943.3	891.8	834.3	783.9	853.5	1421.5	1988.5	2412.2	2635.1	2670.5
30°	894.9	870.6	830.3	797.0	775.8	815.2	1411.4	2082.3	2572.6	2829.9	2868.2
32.5°	823.2	799.0	773.8	768.8	769.8	801.0	1377.1	2175.1	2763.3	3112.3	3140.6
35°	761.7	733.4	723.4	735.5	757.7	776.8	1280.2	2251.8	2968.1	3420.0	3443.2
37.5°	703.2	674.9	673.9	703.2	727.4	739.5	1166.2	2327.4	3244.5	3732.8	3762.0
40°	649.7	621.5	631.5	666.9	686.0	692.1	1028.0	2442.5	3537.1	4062.7	4046.5
42.5°	604.3	575.1	581.1	626.5	643.7	659.8	900.9	2538.3	3818.5	4375.4	4370.4
45°	559.9	537.7	533.7	583.1	598.3	662.8	808.1	2611.9	4180.7	4773.9	4782.0
47.5°	516.5	499.4	500.4	521.6	558.9	678.0	729.4	2660.4	4706.3	5405.5	5265.2
50°	477.2	464.1	475.2	451.0	533.7	658.8	661.8	2650.3	5293.5	6010.8	5729.3
52.5°	433.8	430.8	435.8	377.3	493.3	581.1	598.3	2516.1	5568.9	6424.4	6264.0
55°	389.4	388.4	348.1	301.6	412.6	464.1	512.5	2099.4	5559.8	6644.4	6839.1
57.5°	337.0	328.9	264.3	246.2	320.8	322.8	467.1	1375.1	4927.3	6117.7	6521.3
60°	255.2	249.2	193.7	199.8	224.0	206.8	372.3	685.0	3682.3	4765.9	5220.9
62.5°	176.6	168.5	144.3	154.4	144.3	118.0	228.0	339.0	2230.6	3009.4	3422.1
65°	129.1	120.1	98.9	84.7	67.6	67.6	86.8	130.1	863.6	1279.2	1542.5
67.5°	79.7	75.7	58.5	42.4	41.4	44.4	45.4	64.6	139.2	221.9	271.4
70°	51.5	47.4	39.3	27.2	25.2	26.2	27.2	30.3	35.3	38.3	46.4
72.5°	35.3	33.3	28.2	15.1	12.1	13.1	14.1	14.1	17.2	16.1	19.2
75°	25.2	23.2	20.2	7.1	4.0	5.0	6.1	5.0	6.1	4.0	5.0
77.5°	7.1	7.1	5.0	1.0	0.0	1.0	2.0	2.0	1.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	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-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1453.8	1477.0	1486.1	1472.9	1484.0	1465.9	1458.8	1431.6	1429.6	1424.5
5°	1649.5	1701.9	1733.2	1752.4	1730.2	1706.0	1669.7	1607.1	1587.9	1575.8
7.5°	1842.2	1923.9	1977.4	2002.6	1996.5	1947.1	1881.5	1776.6	1739.3	1721.1
10°	2009.7	2109.5	2174.1	2205.4	2192.3	2148.9	2055.0	1923.9	1874.5	1863.4
12.5°	2126.7	2218.5	2262.9	2290.1	2291.1	2274.0	2185.2	2053.0	1994.5	1980.4
15°	2200.3	2239.7	2240.7	2256.8	2285.1	2323.4	2282.0	2165.0	2102.5	2081.3
17.5°	2246.7	2203.4	2159.0	2163.0	2209.4	2311.3	2353.7	2263.9	2197.3	2174.1
20°	2280.0	2142.8	2060.1	2061.1	2108.5	2262.9	2403.1	2359.7	2291.1	2269.9
22.5°	2301.2	2089.4	1971.3	1968.3	2018.7	2205.4	2448.5	2473.7	2406.1	2381.9
25°	2344.6	2064.1	1917.8	1935.0	1979.4	2187.2	2510.0	2625.1	2562.5	2530.2
27.5°	2422.3	2089.4	1912.8	1952.1	2002.6	2240.7	2617.0	2826.8	2762.3	2725.9
30°	2556.5	2184.2	1990.5	2045.0	2105.5	2380.9	2796.6	3108.3	3015.5	2981.2
32.5°	2772.3	2380.9	2230.6	2347.6	2406.1	2610.9	3065.9	3424.1	3348.4	3279.8
35°	3070.0	2829.9	2812.7	3085.1	3071.0	3046.8	3396.8	3811.5	3697.5	3630.9
37.5°	3479.6	3552.2	3679.3	3949.7	3940.6	3756.0	3831.7	4177.7	4119.2	4033.4
40°	3991.1	4145.4	4361.3	4748.7	4627.6	4395.6	4365.3	4553.0	4505.6	4404.7
42.5°	4292.7	4559.0	4970.7	5318.7	5221.9	4816.3	4782.0	5054.4	4950.5	4840.5
45°	4432.9	4896.0	5703.1	6174.2	5880.6	5095.8	5082.6	5708.1	5649.6	5502.3
47.5°	4497.5	5236.0	6560.6	7273.9	6725.1	5340.9	5293.5	6656.5	6579.8	6406.3
50°	4569.1	5705.1	7593.7	8548.1	7745.0	5618.3	5652.6	7540.2	7507.9	7303.1
52.5°	4726.5	6201.5	8865.9	10004.9	8981.9	6053.2	6269.1	8373.5	8155.6	7919.6
55°	4962.6	6742.2	10189.5	11492.9	10244.0	6637.3	6935.9	8816.4	8205.1	7943.8
57.5°	4701.3	6877.4	10973.4	12532.1	10803.9	6639.3	6372.0	8048.7	7216.4	6963.2
60°	3730.8	6398.2	10671.7	12307.1	10326.7	5895.8	4878.9	6284.2	5467.0	5297.5
62.5°	2522.2	5366.1	9394.5	10408.4	8838.6	4637.7	3170.8	4086.9	3384.7	3244.5
65°	1382.1	4003.2	7590.7	7874.2	6917.8	3239.5	1631.3	1773.6	1350.9	1288.3
67.5°	381.3	2786.5	5585.1	5223.9	4853.6	2109.5	421.7	316.8	226.0	224.0
70°	95.8	1843.2	3346.4	3449.3	2976.1	1350.9	80.7	38.3	30.3	29.3
72.5°	40.4	793.0	1587.9	1825.0	1523.4	625.5	29.3	11.1	9.1	7.1
75°	5.0	63.6	135.2	204.8	140.2	67.6	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

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