

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: P634574

Luminaire Tested: GWS-SA3C-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634574
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5509.7 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

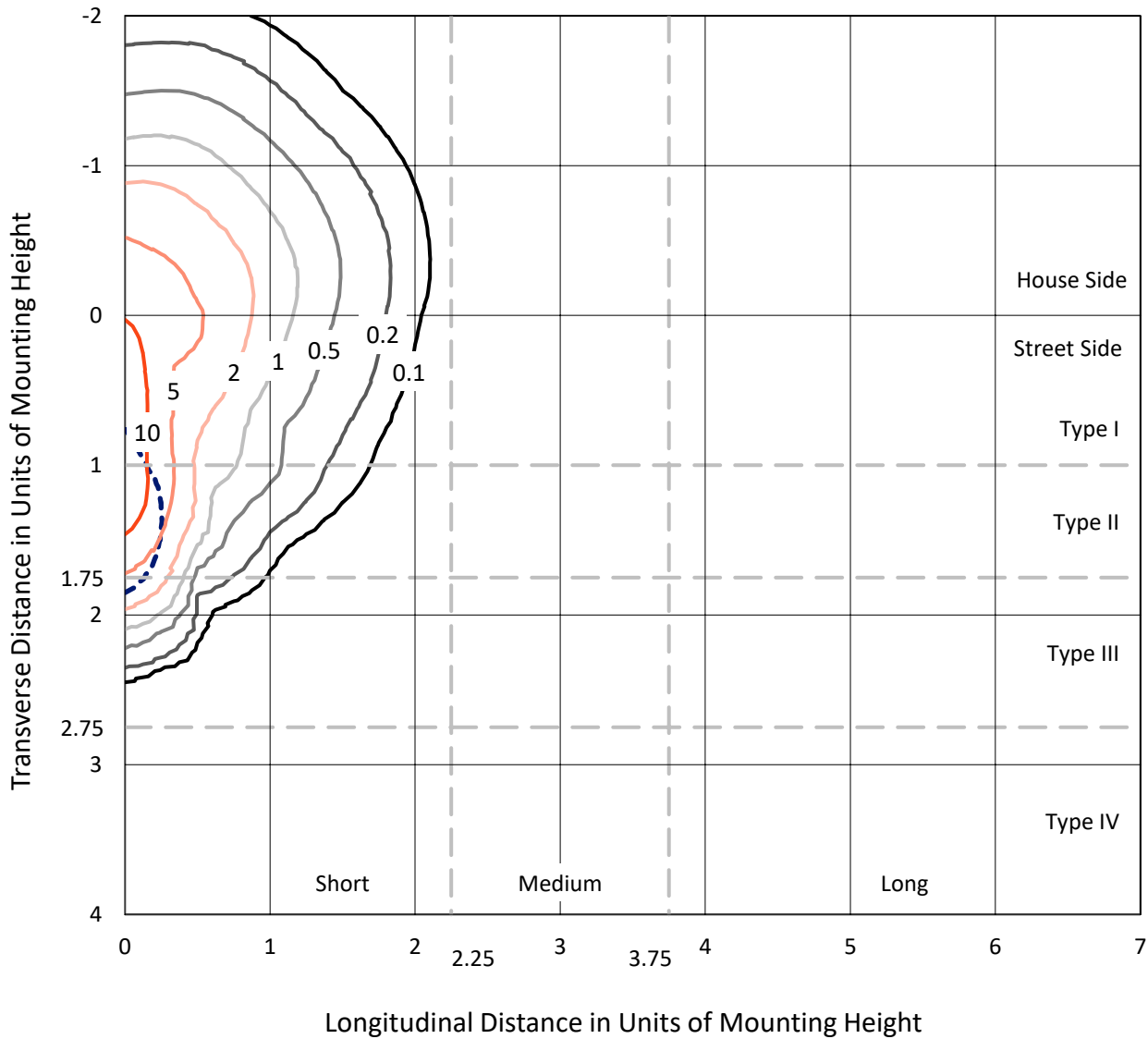
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

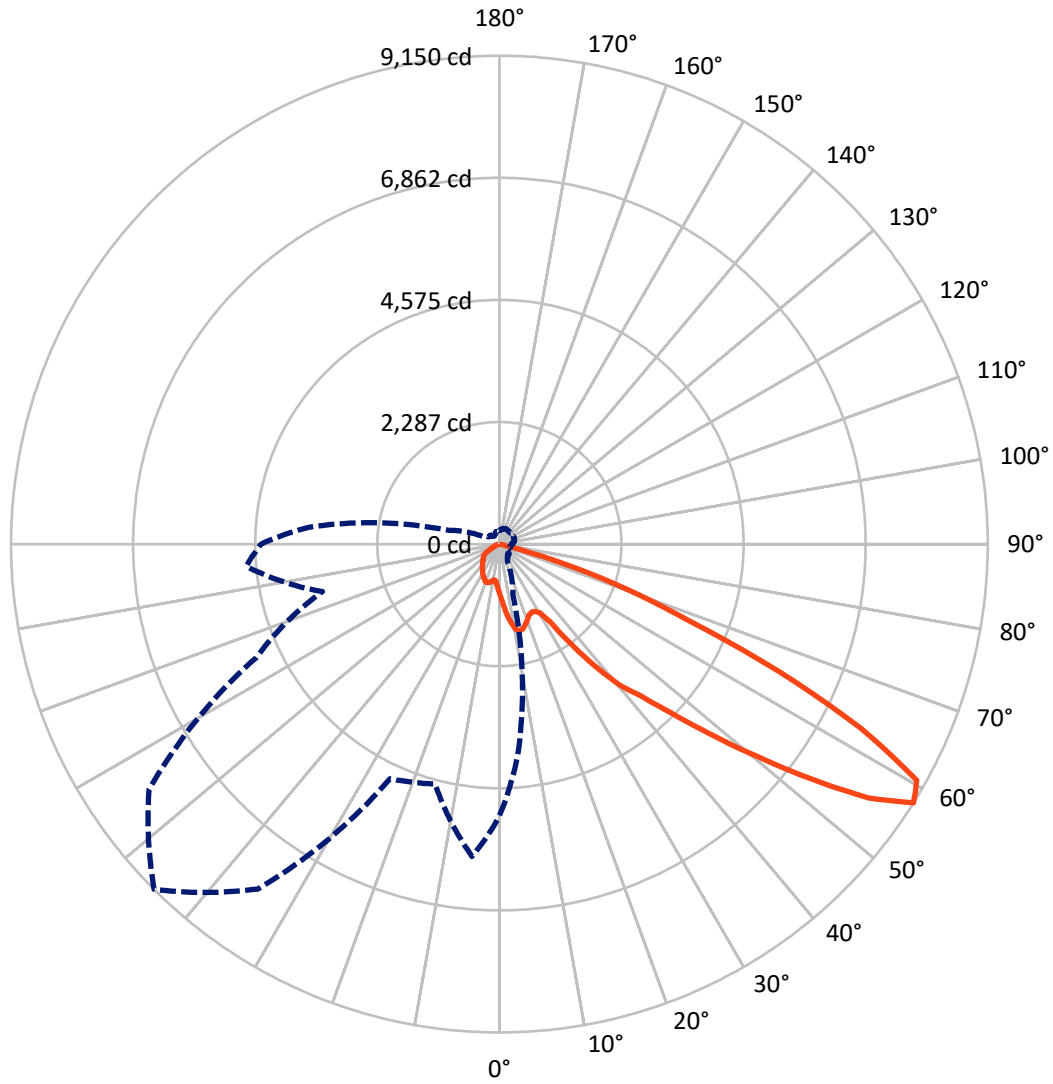
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 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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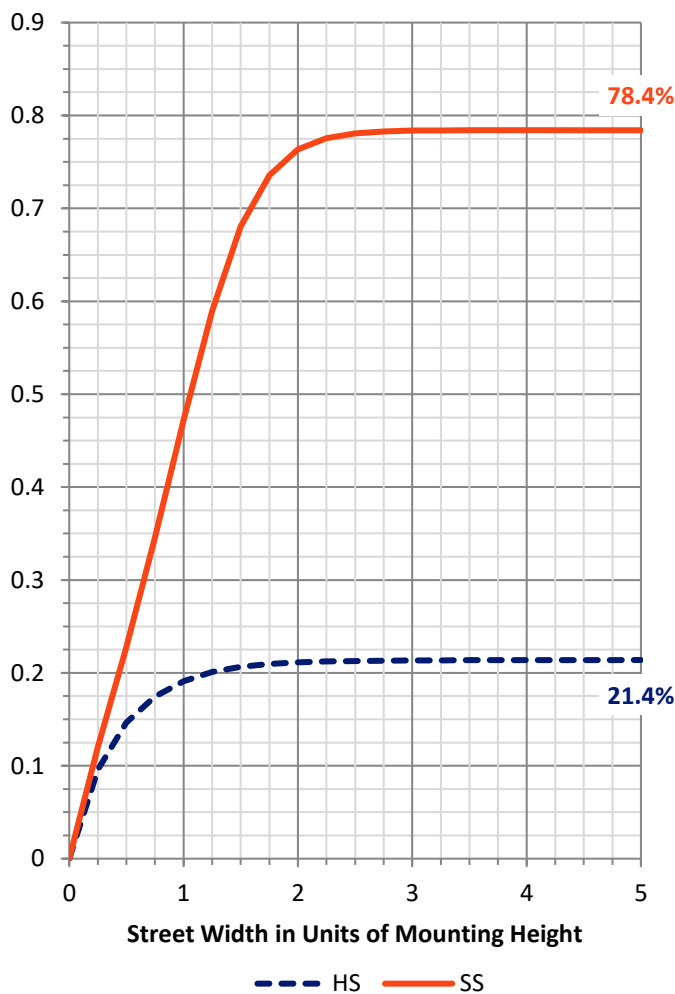
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1187.0	0.0	1187.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4322.7	0.0	4322.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	5509.7	0.0	5509.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.7
10°-20°	304.5	5.5
20°-30°	494.1	9.0
30°-40°	758.4	13.8
40°-50°	1211.2	22.0
50°-60°	1695.8	30.8
60°-70°	869.5	15.8
70°-80°	83.7	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°	5509.7	100.0
0°-180°	5509.7	100.0

Coefficient of Utilization



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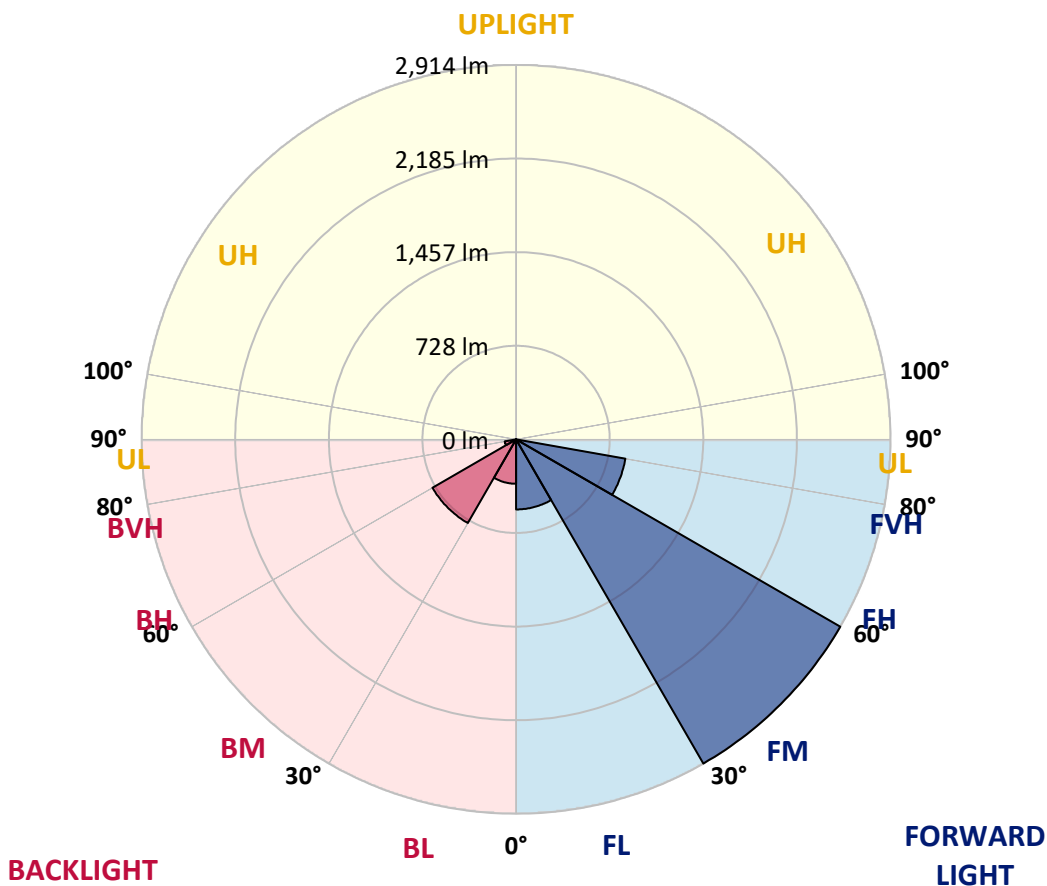
CATALOG NUMBER: GWS-SA3C-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.5	9.9			
FM (30°-60°)	2913.7	52.9			
FH (60°-80°)	863.6	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	345.6	6.3	B1/500		
BM (30°-60°)	751.7	13.6	B1/1000		
BH (60°-80°)	89.6	1.6	B0/110		G0/110
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: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2
2.5°	1040.0	1037.8	1030.5	1005.4	989.9	965.6	948.0	925.1	900.1	884.6	869.2
5°	1150.5	1144.6	1124.7	1067.3	1023.1	975.2	936.9	894.9	850.0	820.5	793.3
7.5°	1256.6	1247.7	1221.2	1124.0	1057.0	988.5	934.0	872.8	809.5	765.3	731.4
10°	1360.4	1340.6	1298.6	1179.2	1088.6	1006.2	942.1	872.1	797.7	741.7	704.2
12.5°	1445.9	1431.2	1373.7	1231.5	1115.2	1009.8	931.0	866.2	816.1	778.6	743.9
15°	1519.5	1503.3	1448.8	1278.7	1138.0	995.1	884.6	827.9	836.0	850.7	821.3
17.5°	1587.3	1570.4	1511.4	1317.7	1146.8	959.0	819.8	792.5	837.5	892.7	881.7
20°	1657.3	1638.1	1565.9	1349.4	1143.9	902.3	754.2	762.3	825.7	889.0	894.9
22.5°	1739.0	1719.2	1635.2	1389.9	1141.7	834.5	697.5	735.8	803.6	857.4	867.7
25°	1847.3	1823.7	1731.7	1449.6	1147.6	772.7	657.0	710.1	766.0	814.6	820.5
27.5°	1990.2	1960.0	1842.9	1523.2	1160.1	724.0	639.3	674.7	718.2	761.6	766.8
30°	2176.6	2138.3	1970.3	1587.3	1154.2	690.2	627.6	639.3	665.1	700.5	701.2
32.5°	2394.6	2342.3	2113.2	1642.5	1103.4	665.1	611.4	603.3	609.1	636.4	641.6
35°	2650.9	2583.1	2270.8	1694.8	1010.6	616.5	581.9	554.6	552.4	565.7	578.2
37.5°	2944.8	2863.8	2469.7	1761.9	900.8	565.7	538.4	511.2	499.4	506.0	525.2
40°	3215.9	3126.0	2677.4	1842.9	788.9	520.0	487.6	459.6	445.6	447.8	471.4
42.5°	3534.1	3441.3	2931.5	1949.0	696.1	489.1	434.6	405.8	387.4	397.7	425.0
45°	4017.2	3911.9	3302.0	2041.0	622.4	481.7	388.2	347.7	338.8	356.5	388.9
47.5°	4677.2	4548.3	3811.0	2097.0	559.8	488.3	355.8	300.5	302.7	322.6	355.0
50°	5332.0	5192.8	4399.5	2023.4	508.2	475.1	339.6	263.7	277.7	295.4	324.8
52.5°	5782.1	5600.9	4686.1	1810.5	461.1	425.0	338.1	229.1	255.6	261.5	286.5
55°	5799.7	5576.6	4539.5	1427.5	397.0	358.7	322.6	200.3	231.3	233.5	254.9
57.5°	5083.8	4882.0	3967.2	980.4	352.8	263.0	257.1	175.3	190.0	208.4	221.7
60°	3867.7	3696.1	2966.9	449.3	268.1	167.2	176.0	151.0	142.2	169.4	182.7
62.5°	2368.8	2259.1	1779.6	198.9	170.9	89.1	106.8	120.1	106.8	117.1	128.2
65°	940.6	892.0	675.4	84.7	70.0	44.9	48.6	70.0	75.1	82.5	92.8
67.5°	163.5	154.7	113.4	37.6	28.7	27.3	23.6	32.4	45.7	50.8	58.9
70°	21.4	20.6	18.4	15.5	14.7	13.3	10.3	20.6	30.9	32.4	37.6
72.5°	5.2	4.4	4.4	3.7	4.4	1.5	1.5	11.0	22.1	22.8	26.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	14.0	15.5	18.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2
2.5°	856.6	841.9	836.7	829.4	819.8	822.7	809.5	805.1	811.7	820.5	818.3
5°	778.6	762.3	751.3	734.4	731.4	724.8	720.4	714.5	721.8	732.1	734.4
7.5°	716.7	702.7	691.6	686.5	682.8	679.9	671.0	666.6	666.6	671.0	674.7
10°	690.2	679.9	677.6	679.1	685.0	684.3	676.2	670.3	662.9	659.2	663.6
12.5°	727.0	710.1	707.1	707.8	715.2	714.5	705.6	698.3	696.8	698.3	712.3
15°	789.6	763.8	744.7	741.0	744.7	743.2	736.6	732.1	734.4	755.7	779.3
17.5°	845.6	805.8	771.2	757.9	757.2	755.0	748.4	746.9	757.9	797.7	832.3
20°	861.8	822.7	773.4	756.5	752.8	750.6	743.2	745.4	759.4	807.3	836.7
22.5°	840.4	802.9	751.3	734.4	731.4	730.7	723.3	726.3	738.0	780.0	804.3
25°	799.9	768.2	714.5	699.7	699.7	698.3	691.6	693.1	700.5	737.3	760.9
27.5°	750.6	720.4	675.4	660.7	662.9	665.1	657.0	654.8	660.7	695.3	709.3
30°	693.8	672.5	637.1	623.9	623.1	632.0	620.9	618.0	626.1	653.3	656.3
32.5°	638.6	628.3	603.3	592.9	593.7	595.1	589.3	589.3	596.6	611.4	610.6
35°	584.8	578.2	573.8	566.4	565.7	562.7	562.7	564.2	572.3	577.5	567.9
37.5°	533.3	539.9	545.1	537.7	531.8	531.8	531.8	538.4	545.8	543.6	527.4
40°	487.6	501.6	517.8	509.7	495.7	495.0	497.9	509.0	520.0	506.8	492.0
42.5°	448.6	466.2	489.1	484.7	469.2	467.0	469.2	483.2	492.0	475.1	458.9
45°	410.3	432.4	459.6	459.6	442.7	440.5	441.2	459.6	464.8	444.9	424.3
47.5°	377.9	402.2	430.9	430.9	416.9	412.5	416.2	435.3	439.0	411.0	391.9
50°	346.9	373.4	405.1	402.9	393.3	389.6	396.3	416.9	412.5	381.5	361.7
52.5°	307.9	335.9	379.3	381.5	376.4	377.1	385.2	398.5	386.0	348.4	331.5
55°	272.5	301.3	344.7	356.5	356.5	355.8	359.4	369.8	359.4	314.5	293.9
57.5°	234.2	258.5	294.6	297.6	299.8	291.7	296.8	310.8	305.7	267.4	255.6
60°	192.2	212.9	233.5	235.7	226.1	209.2	218.8	235.0	238.6	209.9	196.7
62.5°	136.3	156.2	180.5	180.5	170.9	153.9	166.5	180.5	175.3	145.8	137.7
65°	101.6	120.1	138.5	146.6	138.5	126.7	136.3	146.6	138.5	114.2	102.4
67.5°	65.6	78.1	89.1	95.8	97.2	95.8	100.2	97.2	87.7	71.4	64.8
70°	39.8	46.4	52.3	58.2	62.6	64.8	67.0	60.4	50.8	42.0	39.8
72.5°	28.7	34.6	39.8	44.2	49.4	50.8	50.8	46.4	37.6	29.5	27.3
75°	19.9	25.0	29.5	32.4	36.8	38.3	38.3	34.6	28.0	21.4	19.2
77.5°	0.7	5.2	5.2	4.4	5.9	7.4	7.4	8.8	8.1	5.9	5.2
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°	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2
2.5°	822.7	849.3	856.6	883.9	908.2	932.5	962.0	979.6	1006.2	1024.6	1034.9
5°	741.7	763.8	790.3	830.9	872.8	919.2	975.2	1023.8	1085.0	1129.9	1144.6
7.5°	682.8	711.5	742.5	793.3	850.7	912.6	991.4	1071.0	1164.5	1225.7	1264.7
10°	671.8	701.2	742.5	792.5	852.9	923.7	1020.1	1123.3	1240.4	1314.8	1359.0
12.5°	724.8	756.5	774.1	797.0	842.6	921.4	1045.2	1176.3	1314.0	1395.1	1442.2
15°	802.9	830.9	802.1	773.4	802.9	897.9	1059.2	1220.5	1378.9	1472.4	1521.0
17.5°	856.6	858.8	796.2	735.1	743.2	855.2	1064.3	1264.7	1448.1	1546.1	1596.9
20°	851.5	833.8	770.5	702.7	677.6	799.9	1058.5	1303.7	1518.1	1620.5	1670.5
22.5°	811.7	791.1	737.3	671.0	622.4	734.4	1048.1	1339.1	1582.2	1698.5	1745.7
25°	763.8	741.7	697.5	639.3	587.0	671.0	1040.0	1387.7	1663.2	1800.2	1837.0
27.5°	707.8	688.7	651.1	609.1	572.3	623.1	1037.8	1451.8	1761.1	1923.9	1949.7
30°	653.3	635.7	606.2	581.9	566.4	595.1	1030.5	1520.3	1878.3	2066.1	2094.1
32.5°	601.0	583.4	564.9	561.3	562.0	584.8	1005.4	1588.0	2017.5	2272.3	2292.9
35°	556.1	535.5	528.1	537.0	553.2	567.2	934.7	1644.0	2167.0	2497.0	2513.9
37.5°	513.4	492.8	492.0	513.4	531.1	539.9	851.5	1699.3	2368.8	2725.3	2746.7
40°	474.4	453.7	461.1	486.9	500.9	505.3	750.6	1783.2	2582.4	2966.2	2954.4
42.5°	441.2	419.8	424.3	457.4	469.9	481.7	657.8	1853.2	2787.9	3194.5	3190.8
45°	408.8	392.6	389.6	425.7	436.8	483.9	590.0	1907.0	3052.3	3485.4	3491.3
47.5°	377.1	364.6	365.3	380.8	408.1	495.0	532.5	1942.3	3436.1	3946.5	3844.2
50°	348.4	338.8	346.9	329.2	389.6	481.0	483.2	1935.0	3864.8	4388.5	4183.0
52.5°	316.7	314.5	318.2	275.5	360.2	424.3	436.8	1837.0	4065.9	4690.5	4573.4
55°	284.3	283.6	254.1	220.2	301.3	338.8	374.2	1532.8	4059.2	4851.0	4993.2
57.5°	246.0	240.1	193.0	179.7	234.2	235.7	341.0	1003.9	3597.4	4466.6	4761.2
60°	186.4	181.9	141.4	145.8	163.5	151.0	271.8	500.1	2688.5	3479.6	3811.7
62.5°	128.9	123.0	105.3	112.7	105.3	86.2	166.5	247.5	1628.6	2197.2	2498.4
65°	94.3	87.7	72.2	61.9	49.4	49.4	63.3	95.0	630.5	934.0	1126.2
67.5°	58.2	55.2	42.7	30.9	30.2	32.4	33.1	47.1	101.6	162.0	198.1
70°	37.6	34.6	28.7	19.9	18.4	19.2	19.9	22.1	25.8	28.0	33.9
72.5°	25.8	24.3	20.6	11.0	8.8	9.6	10.3	10.3	12.5	11.8	14.0
75°	18.4	16.9	14.7	5.2	2.9	3.7	4.4	3.7	4.4	2.9	3.7
77.5°	5.2	5.2	3.7	0.7	0.0	0.7	1.5	1.5	0.7	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2	936.2
2.5°	1061.4	1078.3	1085.0	1075.4	1083.5	1070.2	1065.1	1045.2	1043.7	1040.0
5°	1204.3	1242.6	1265.4	1279.4	1263.2	1245.5	1219.0	1173.4	1159.4	1150.5
7.5°	1345.0	1404.6	1443.7	1462.1	1457.7	1421.6	1373.7	1297.1	1269.8	1256.6
10°	1467.2	1540.2	1587.3	1610.1	1600.6	1568.9	1500.4	1404.6	1368.5	1360.4
12.5°	1552.7	1619.7	1652.1	1672.0	1672.7	1660.2	1595.4	1498.9	1456.2	1445.9
15°	1606.5	1635.2	1635.9	1647.7	1668.3	1696.3	1666.1	1580.7	1535.0	1519.5
17.5°	1640.3	1608.7	1576.3	1579.2	1613.1	1687.5	1718.4	1652.9	1604.2	1587.3
20°	1664.6	1564.5	1504.1	1504.8	1539.4	1652.1	1754.5	1722.8	1672.7	1657.3
22.5°	1680.1	1525.4	1439.3	1437.0	1473.9	1610.1	1787.7	1806.1	1756.7	1739.0
25°	1711.8	1507.0	1400.2	1412.7	1445.1	1596.9	1832.6	1916.6	1870.9	1847.3
27.5°	1768.5	1525.4	1396.5	1425.3	1462.1	1635.9	1910.7	2063.9	2016.7	1990.2
30°	1866.5	1594.7	1453.3	1493.0	1537.2	1738.3	2041.8	2269.4	2201.6	2176.6
32.5°	2024.1	1738.3	1628.6	1714.0	1756.7	1906.2	2238.4	2499.9	2444.7	2394.6
35°	2241.4	2066.1	2053.6	2252.4	2242.1	2224.4	2480.0	2782.8	2699.5	2650.9
37.5°	2540.4	2593.5	2686.3	2883.7	2877.0	2742.2	2797.5	3050.1	3007.4	2944.8
40°	2913.9	3026.6	3184.2	3467.0	3378.6	3209.2	3187.1	3324.1	3289.5	3215.9
42.5°	3134.1	3328.6	3629.1	3883.2	3812.5	3516.4	3491.3	3690.2	3614.3	3534.1
45°	3236.5	3574.6	4163.8	4507.8	4293.5	3720.4	3710.8	4167.5	4124.8	4017.2
47.5°	3283.6	3822.8	4789.9	5310.7	4910.0	3899.4	3864.8	4859.9	4803.9	4677.2
50°	3335.9	4165.3	5544.2	6241.0	5654.6	4102.0	4127.0	5505.1	5481.5	5332.0
52.5°	3450.8	4527.7	6473.0	7304.6	6557.7	4419.4	4577.0	6113.5	5954.4	5782.1
55°	3623.2	4922.5	7439.4	8391.0	7479.1	4845.9	5063.9	6436.9	5990.5	5799.7
57.5°	3432.4	5021.2	8011.7	9149.7	7887.9	4847.4	4652.2	5876.4	5268.7	5083.8
60°	2723.8	4671.3	7791.4	8985.4	7539.5	4304.5	3562.0	4588.1	3991.5	3867.7
62.5°	1841.4	3917.8	6858.9	7599.2	6453.1	3386.0	2315.0	2983.8	2471.2	2368.8
65°	1009.1	2922.7	5541.9	5748.9	5050.7	2365.1	1191.0	1294.9	986.3	940.6
67.5°	278.4	2034.4	4077.6	3814.0	3543.6	1540.2	307.9	231.3	165.0	163.5
70°	70.0	1345.7	2443.2	2518.3	2172.9	986.3	58.9	28.0	22.1	21.4
72.5°	29.5	578.9	1159.4	1332.5	1112.2	456.7	21.4	8.1	6.6	5.2
75°	3.7	46.4	98.7	149.5	102.4	49.4	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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