

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: P634244

Luminaire Tested: GWS-SA3B-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634244
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-SA3B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5501 lumens
Efficiency: N/A
Efficacy: 80.5 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

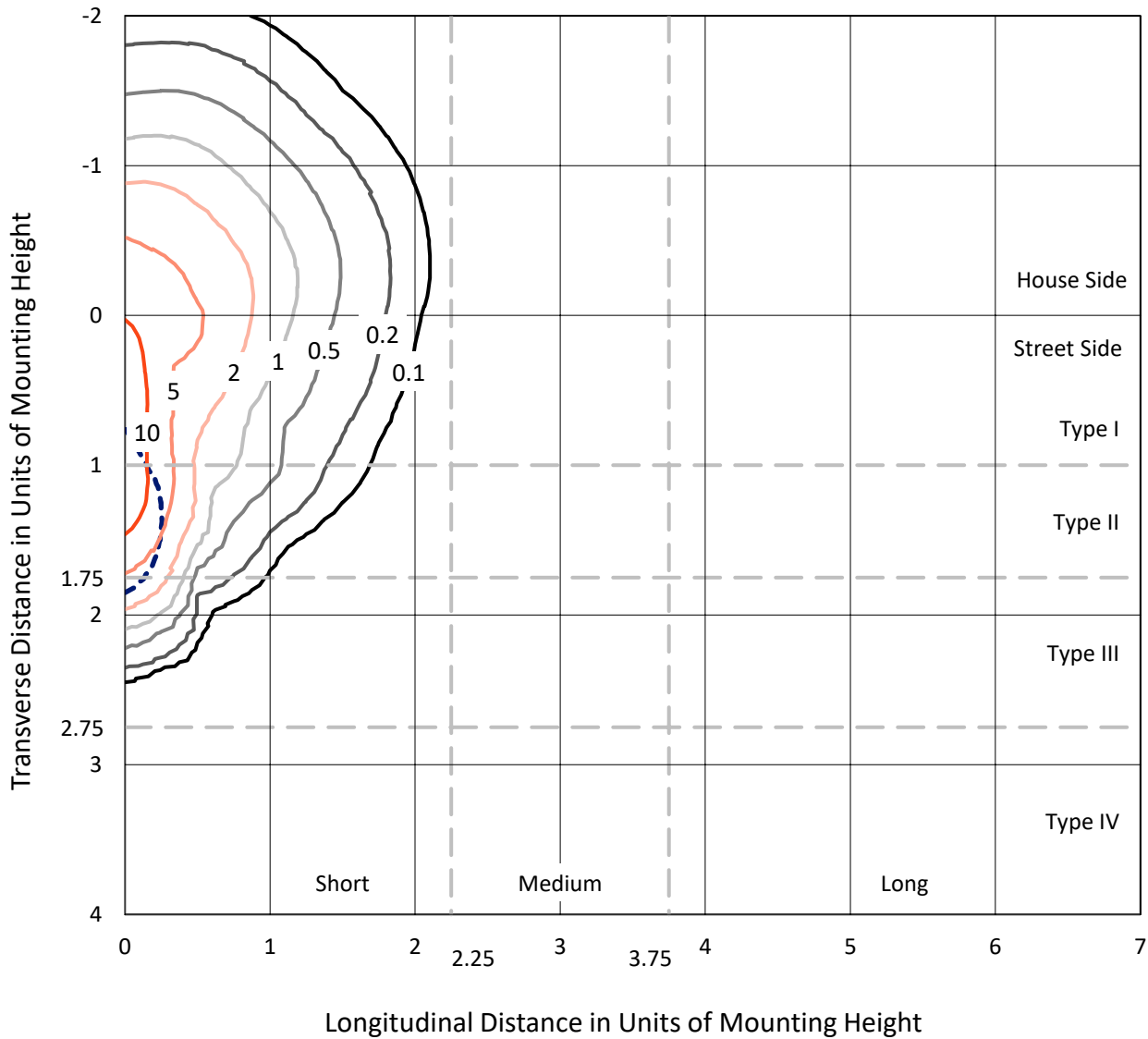
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

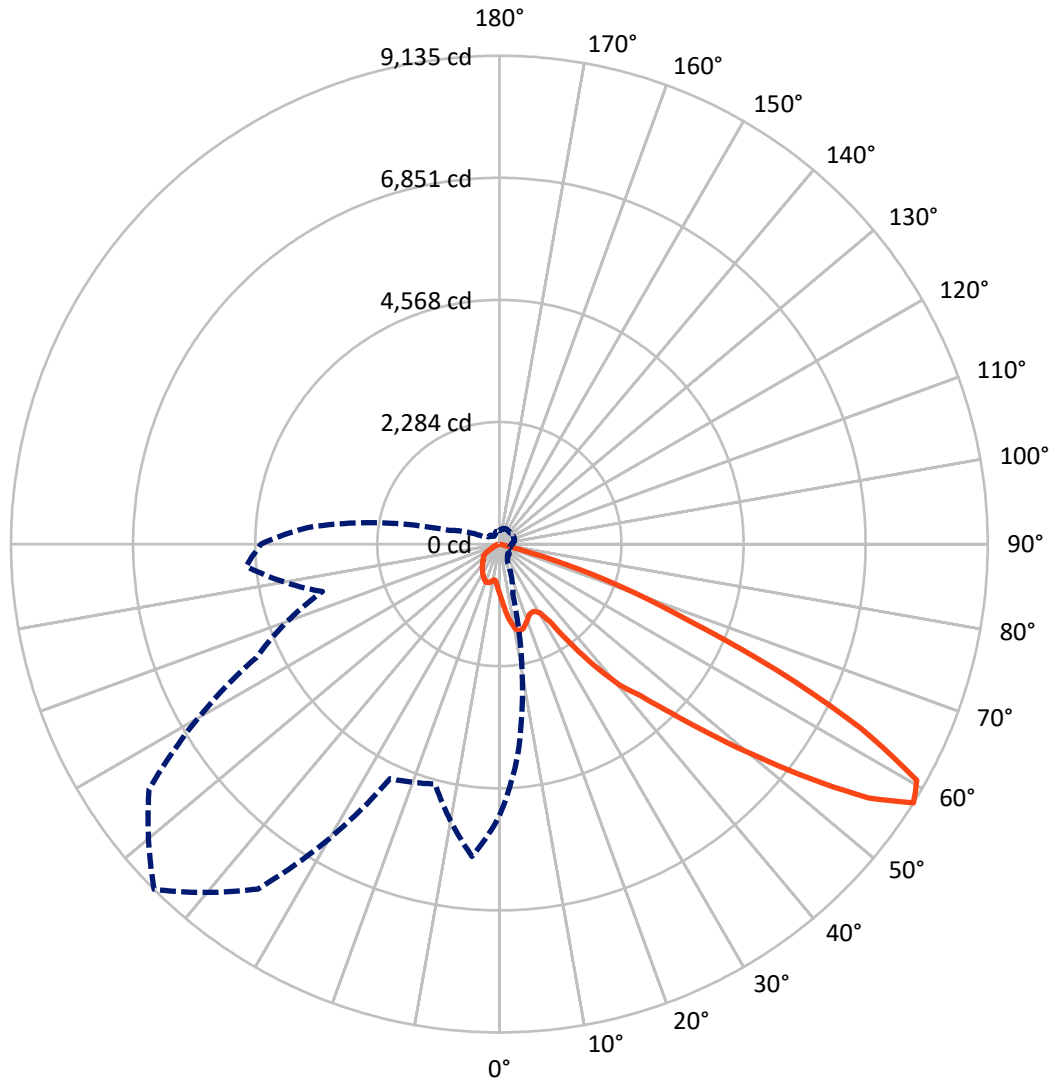
× Max cd
 - - - 1/2 Max cd



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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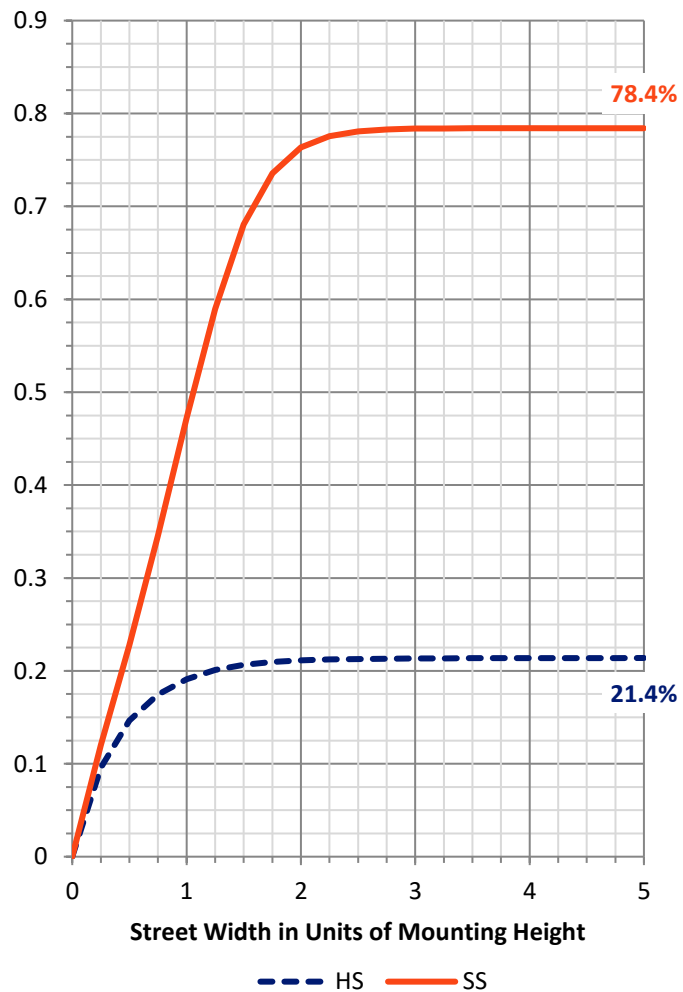
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1185.1	0.0	1185.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4315.9	0.0	4315.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	5501.0	0.0	5501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.7
10°-20°	304.0	5.5
20°-30°	493.3	9.0
30°-40°	757.2	13.8
40°-50°	1209.2	22.0
50°-60°	1693.2	30.8
60°-70°	868.1	15.8
70°-80°	83.6	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°	5501.0	100.0
0°-180°	5501.0	100.0

Coefficient of Utilization



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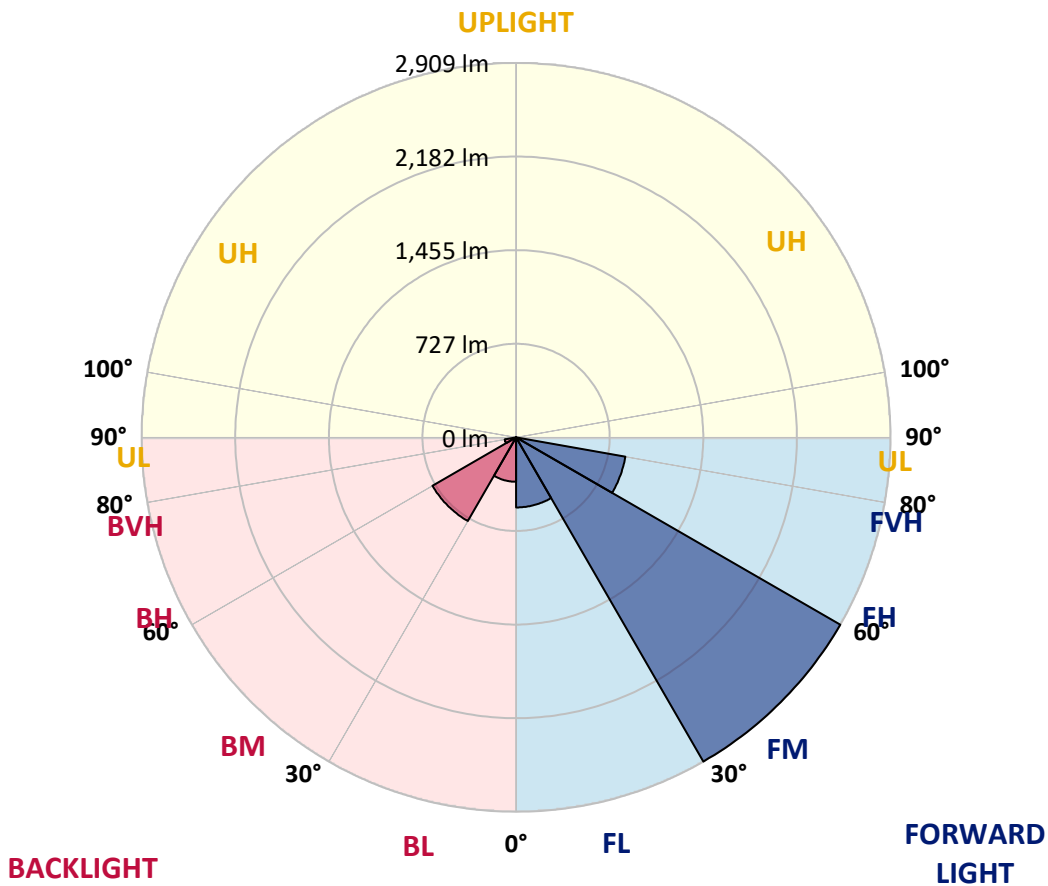
CATALOG NUMBER: GWS-SA3B-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.6	9.9			
FM (30°-60°)	2909.1	52.9			
FH (60°-80°)	862.2	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	345.1	6.3	B1/500		
BM (30°-60°)	750.5	13.6	B1/1000		
BH (60°-80°)	89.5	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°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	1038.4	1036.2	1028.8	1003.8	988.4	964.1	946.5	923.7	898.7	883.2	867.8
5°	1148.7	1142.8	1123.0	1065.6	1021.5	973.7	935.4	893.5	848.7	819.2	792.0
7.5°	1254.6	1245.8	1219.3	1122.2	1055.3	986.9	932.5	871.5	808.2	764.1	730.3
10°	1358.3	1338.4	1296.5	1177.4	1086.9	1004.6	940.6	870.7	796.4	740.6	703.0
12.5°	1443.6	1428.9	1371.5	1229.6	1113.4	1008.2	929.6	864.8	814.8	777.3	742.8
15°	1517.1	1501.0	1446.5	1276.7	1136.2	993.5	883.2	826.6	834.7	849.4	820.0
17.5°	1584.8	1567.9	1509.1	1315.6	1145.0	957.5	818.5	791.3	836.2	891.3	880.3
20°	1654.7	1635.5	1563.5	1347.3	1142.1	900.9	753.1	761.1	824.4	887.6	893.5
22.5°	1736.3	1716.4	1632.6	1387.7	1139.9	833.2	696.4	734.7	802.3	856.0	866.3
25°	1844.4	1820.9	1728.9	1447.3	1145.8	771.4	656.0	708.9	764.8	813.4	819.2
27.5°	1987.1	1956.9	1840.0	1520.8	1158.3	722.9	638.3	673.6	717.0	760.4	765.6
30°	2173.1	2134.9	1967.2	1584.8	1152.4	689.1	626.6	638.3	664.1	699.4	700.1
32.5°	2390.8	2338.6	2109.9	1640.0	1101.6	664.1	610.4	602.3	608.2	635.4	640.5
35°	2646.7	2579.1	2267.3	1692.2	1009.0	615.5	581.0	553.8	551.6	564.8	577.3
37.5°	2940.2	2859.3	2465.8	1759.1	899.4	564.8	537.6	510.4	498.6	505.2	524.3
40°	3210.8	3121.1	2673.2	1840.0	787.6	519.2	486.8	458.9	444.9	447.1	470.7
42.5°	3528.5	3435.8	2926.9	1945.9	695.0	488.3	433.9	405.2	386.8	397.1	424.3
45°	4010.9	3905.7	3296.8	2037.8	621.4	481.0	387.6	347.1	338.3	355.9	388.3
47.5°	4669.8	4541.1	3805.0	2093.7	558.9	487.6	355.2	300.0	302.3	322.1	354.5
50°	5323.6	5184.6	4392.6	2020.2	507.4	474.3	339.0	263.3	277.2	294.9	324.3
52.5°	5772.9	5592.0	4678.7	1807.6	460.4	424.3	337.6	228.7	255.2	261.1	286.1
55°	5790.6	5567.8	4532.3	1425.2	396.4	358.1	322.1	200.0	230.9	233.1	254.5
57.5°	5075.8	4874.3	3960.9	978.8	352.3	262.5	256.7	175.0	189.7	208.1	221.4
60°	3861.6	3690.3	2962.2	448.6	267.7	166.9	175.8	150.8	141.9	169.1	182.4
62.5°	2365.1	2255.5	1776.7	198.6	170.6	89.0	106.6	119.9	106.6	116.9	128.0
65°	939.1	890.6	674.4	84.6	69.9	44.9	48.5	69.9	75.0	82.4	92.7
67.5°	163.3	154.4	113.3	37.5	28.7	27.2	23.5	32.4	45.6	50.7	58.8
70°	21.3	20.6	18.4	15.4	14.7	13.2	10.3	20.6	30.9	32.4	37.5
72.5°	5.1	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	15.4	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°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	855.3	840.6	835.4	828.1	818.5	821.4	808.2	803.8	810.4	819.2	817.0
5°	777.3	761.1	750.1	733.2	730.3	723.6	719.2	713.3	720.7	731.0	733.2
7.5°	715.6	701.6	690.5	685.4	681.7	678.8	670.0	665.5	665.5	670.0	673.6
10°	689.1	678.8	676.6	678.0	683.9	683.2	675.1	669.2	661.9	658.2	662.6
12.5°	725.8	708.9	706.0	706.7	714.1	713.3	704.5	697.2	695.7	697.2	711.1
15°	788.4	762.6	743.5	739.8	743.5	742.0	735.4	731.0	733.2	754.5	778.1
17.5°	844.2	804.5	770.0	756.7	756.0	753.8	747.2	745.7	756.7	796.4	831.0
20°	860.4	821.4	772.2	755.3	751.6	749.4	742.0	744.2	758.2	806.0	835.4
22.5°	839.1	801.6	750.1	733.2	730.3	729.5	722.2	725.1	736.9	778.8	803.1
25°	798.7	767.0	713.3	698.6	698.6	697.2	690.5	692.0	699.4	736.1	759.7
27.5°	749.4	719.2	674.4	659.7	661.9	664.1	656.0	653.8	659.7	694.2	708.2
30°	692.8	671.4	636.1	622.9	622.2	631.0	619.9	617.0	625.1	652.3	655.2
32.5°	637.6	627.3	602.3	592.0	592.7	594.2	588.3	588.3	595.7	610.4	609.7
35°	583.9	577.3	572.9	565.5	564.8	561.9	561.9	563.3	571.4	576.6	567.0
37.5°	532.4	539.1	544.2	536.8	531.0	531.0	531.0	537.6	544.9	542.7	526.6
40°	486.8	500.8	517.0	508.9	494.9	494.2	497.1	508.2	519.2	506.0	491.3
42.5°	447.9	465.5	488.3	483.9	468.5	466.2	468.5	482.4	491.3	474.3	458.2
45°	409.6	431.7	458.9	458.9	442.0	439.8	440.5	458.9	464.0	444.2	423.6
47.5°	377.3	401.5	430.2	430.2	416.2	411.8	415.5	434.6	438.3	410.4	391.2
50°	346.4	372.9	404.5	402.3	392.7	389.0	395.6	416.2	411.8	380.9	361.1
52.5°	307.4	335.3	378.7	380.9	375.8	376.5	384.6	397.9	385.4	347.8	330.9
55°	272.1	300.8	344.2	355.9	355.9	355.2	358.9	369.2	358.9	314.0	293.4
57.5°	233.9	258.1	294.2	297.1	299.3	291.2	296.4	310.3	305.2	267.0	255.2
60°	191.9	212.5	233.1	235.3	225.8	208.9	218.4	234.6	238.3	209.6	196.4
62.5°	136.1	155.9	180.2	180.2	170.6	153.7	166.2	180.2	175.0	145.6	137.5
65°	101.5	119.9	138.3	146.3	138.3	126.5	136.1	146.3	138.3	114.0	102.2
67.5°	65.5	78.0	89.0	95.6	97.1	95.6	100.0	97.1	87.5	71.3	64.7
70°	39.7	46.3	52.2	58.1	62.5	64.7	66.9	60.3	50.7	41.9	39.7
72.5°	28.7	34.6	39.7	44.1	49.3	50.7	50.7	46.3	37.5	29.4	27.2
75°	19.9	25.0	29.4	32.4	36.8	38.2	38.2	34.6	27.9	21.3	19.1
77.5°	0.7	5.1	5.1	4.4	5.9	7.4	7.4	8.8	8.1	5.9	5.1
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°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	821.4	847.9	855.3	882.5	906.8	931.0	960.4	978.1	1004.6	1023.0	1033.2
5°	740.6	762.6	789.1	829.5	871.5	917.8	973.7	1022.2	1083.3	1128.1	1142.8
7.5°	681.7	710.4	741.3	792.0	849.4	911.2	989.9	1069.3	1162.7	1223.7	1262.7
10°	670.7	700.1	741.3	791.3	851.6	922.2	1018.5	1121.5	1238.4	1312.7	1356.8
12.5°	723.6	755.3	772.9	795.7	841.3	920.0	1043.5	1174.4	1312.0	1392.9	1439.9
15°	801.6	829.5	800.9	772.2	801.6	896.5	1057.5	1218.6	1376.7	1470.1	1518.6
17.5°	855.3	857.5	795.0	733.9	742.0	853.8	1062.7	1262.7	1445.8	1543.6	1594.4
20°	850.1	832.5	769.2	701.6	676.6	798.7	1056.8	1301.7	1515.7	1617.9	1667.9
22.5°	810.4	789.8	736.1	670.0	621.4	733.2	1046.5	1337.0	1579.7	1695.8	1742.9
25°	762.6	740.6	696.4	638.3	586.1	670.0	1038.4	1385.5	1660.5	1797.3	1834.1
27.5°	706.7	687.6	650.1	608.2	571.4	622.2	1036.2	1449.5	1758.4	1920.9	1946.6
30°	652.3	634.7	605.2	581.0	565.5	594.2	1028.8	1517.9	1875.3	2062.8	2090.8
32.5°	600.1	582.4	564.1	560.4	561.1	583.9	1003.8	1585.5	2014.3	2268.7	2289.3
35°	555.2	534.6	527.3	536.1	552.3	566.3	933.2	1641.4	2163.6	2493.0	2509.9
37.5°	512.6	492.0	491.3	512.6	530.2	539.1	850.1	1696.6	2365.1	2721.0	2742.3
40°	473.6	453.0	460.4	486.1	500.1	504.5	749.4	1780.4	2578.3	2961.5	2949.7
42.5°	440.5	419.2	423.6	456.7	469.2	481.0	656.7	1850.3	2783.5	3189.5	3185.8
45°	408.2	392.0	389.0	425.1	436.1	483.2	589.1	1904.0	3047.5	3479.9	3485.8
47.5°	376.5	364.0	364.8	380.2	407.4	494.2	531.7	1939.3	3430.7	3940.3	3838.1
50°	347.8	338.3	346.4	328.7	389.0	480.2	482.4	1931.9	3858.7	4381.6	4176.4
52.5°	316.2	314.0	317.7	275.0	359.6	423.6	436.1	1834.1	4059.4	4683.1	4566.1
55°	283.9	283.1	253.7	219.9	300.8	338.3	373.6	1530.4	4052.8	4843.4	4985.3
57.5°	245.6	239.7	192.7	179.4	233.9	235.3	340.5	1002.4	3591.7	4459.5	4753.7
60°	186.1	181.6	141.2	145.6	163.3	150.8	271.4	499.3	2684.2	3474.1	3805.7
62.5°	128.7	122.8	105.2	112.5	105.2	86.0	166.2	247.1	1626.0	2193.7	2494.5
65°	94.1	87.5	72.1	61.8	49.3	49.3	63.2	94.9	629.5	932.5	1124.4
67.5°	58.1	55.2	42.7	30.9	30.2	32.4	33.1	47.1	101.5	161.8	197.8
70°	37.5	34.6	28.7	19.9	18.4	19.1	19.9	22.1	25.7	27.9	33.8
72.5°	25.7	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	5.1	2.9	3.7	4.4	3.7	4.4	2.9	3.7
77.5°	5.1	5.1	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-SA3B-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	1059.7	1076.6	1083.3	1073.7	1081.8	1068.5	1063.4	1043.5	1042.1	1038.4
5°	1202.4	1240.6	1263.4	1277.4	1261.2	1243.6	1217.1	1171.5	1157.5	1148.7
7.5°	1342.9	1402.4	1441.4	1459.8	1455.4	1419.3	1371.5	1295.1	1267.8	1254.6
10°	1464.9	1537.7	1584.8	1607.6	1598.0	1566.4	1498.0	1402.4	1366.4	1358.3
12.5°	1550.2	1617.2	1649.5	1669.4	1670.1	1657.6	1592.9	1496.6	1453.9	1443.6
15°	1603.9	1632.6	1633.3	1645.1	1665.7	1693.6	1663.5	1578.2	1532.6	1517.1
17.5°	1637.7	1606.1	1573.8	1576.7	1610.5	1684.8	1715.7	1650.3	1601.7	1584.8
20°	1662.0	1562.0	1501.7	1502.4	1537.0	1649.5	1751.7	1720.1	1670.1	1654.7
22.5°	1677.5	1523.0	1437.0	1434.8	1471.5	1607.6	1784.8	1803.2	1753.9	1736.3
25°	1709.1	1504.6	1398.0	1410.5	1442.9	1594.4	1829.7	1913.5	1867.9	1844.4
27.5°	1765.7	1523.0	1394.3	1423.0	1459.8	1633.3	1907.6	2060.6	2013.5	1987.1
30°	1863.5	1592.2	1451.0	1490.7	1534.8	1735.6	2038.5	2265.8	2198.1	2173.1
32.5°	2020.9	1735.6	1626.0	1711.3	1753.9	1903.2	2234.9	2496.0	2440.8	2390.8
35°	2237.8	2062.8	2050.3	2248.9	2238.6	2220.9	2476.1	2778.4	2695.3	2646.7
37.5°	2536.4	2589.4	2682.0	2879.1	2872.5	2737.9	2793.1	3045.3	3002.7	2940.2
40°	2909.3	3021.8	3179.2	3461.6	3373.3	3204.2	3182.1	3318.9	3284.3	3210.8
42.5°	3129.2	3323.3	3623.3	3877.1	3806.5	3510.8	3485.8	3684.4	3608.6	3528.5
45°	3231.4	3568.9	4157.3	4500.7	4286.7	3714.5	3705.0	4160.9	4118.3	4010.9
47.5°	3278.4	3816.8	4782.3	5302.3	4902.2	3893.2	3858.7	4852.2	4796.3	4669.8
50°	3330.7	4158.7	5535.4	6231.1	5645.7	4095.5	4120.5	5496.4	5472.9	5323.6
52.5°	3445.4	4520.5	6462.8	7293.0	6547.3	4412.4	4569.8	6103.9	5945.0	5772.9
55°	3617.5	4914.7	7427.6	8377.7	7467.3	4838.2	5055.9	6426.7	5981.1	5790.6
57.5°	3427.0	5013.3	7999.0	9135.2	7875.5	4839.7	4644.8	5867.1	5260.4	5075.8
60°	2719.5	4663.9	7779.1	8971.2	7527.6	4297.7	3556.4	4580.8	3985.2	3861.6
62.5°	1838.5	3911.6	6848.1	7587.2	6442.9	3380.7	2311.4	2979.1	2467.3	2365.1
65°	1007.5	2918.1	5533.2	5739.8	5042.7	2361.4	1189.2	1292.8	984.7	939.1
67.5°	278.0	2031.2	4071.2	3807.9	3538.0	1537.7	307.4	230.9	164.7	163.3
70°	69.9	1343.6	2439.3	2514.4	2169.4	984.7	58.8	27.9	22.1	21.3
72.5°	29.4	578.0	1157.5	1330.3	1110.5	456.0	21.3	8.1	6.6	5.1
75°	3.7	46.3	98.5	149.3	102.2	49.3	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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