

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: P634358

Luminaire Tested: GWS-SA3B-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634358
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-SA3B-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: 5676.3 lumens
Efficiency: N/A
Efficacy: 83.1 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

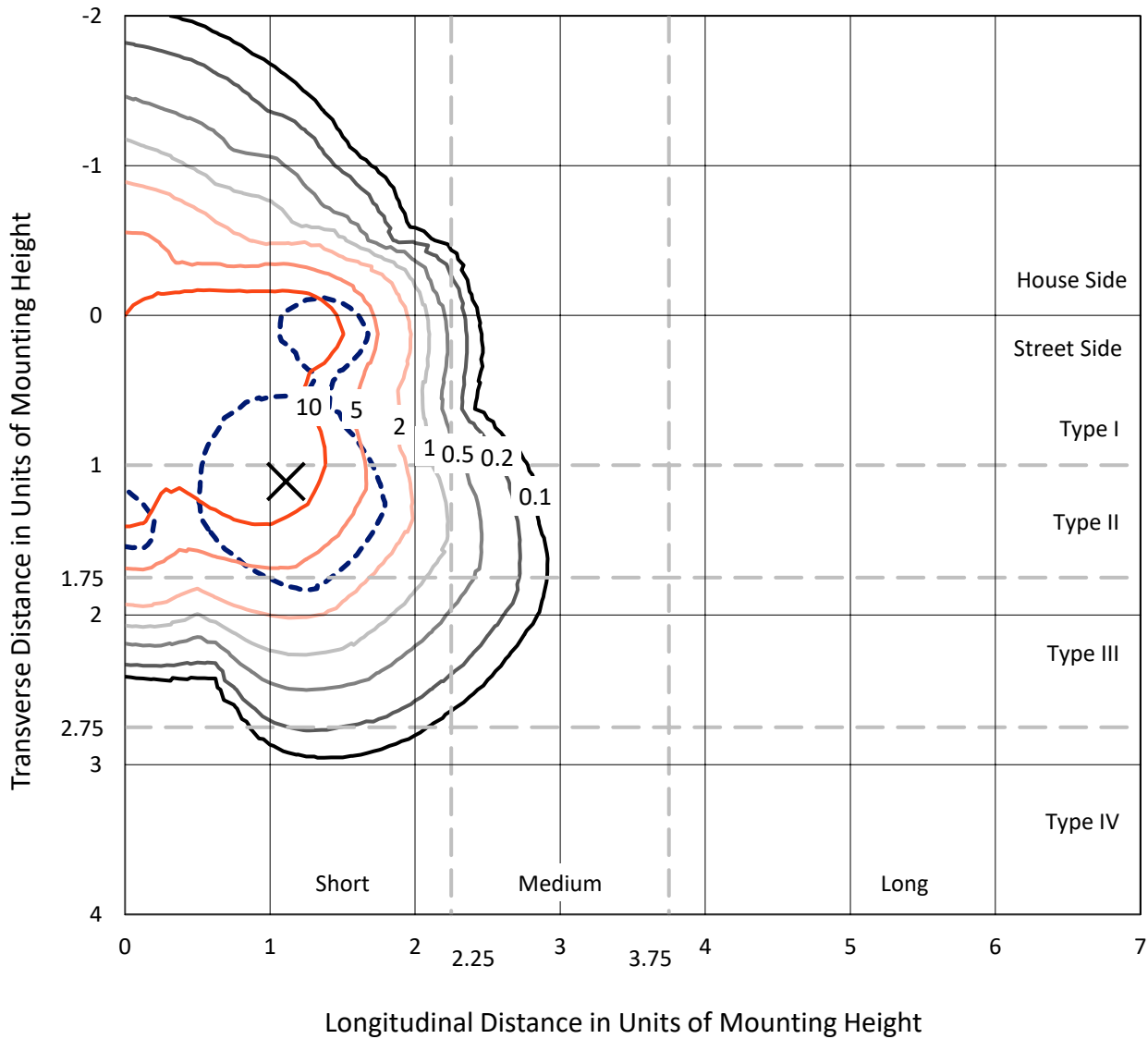
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

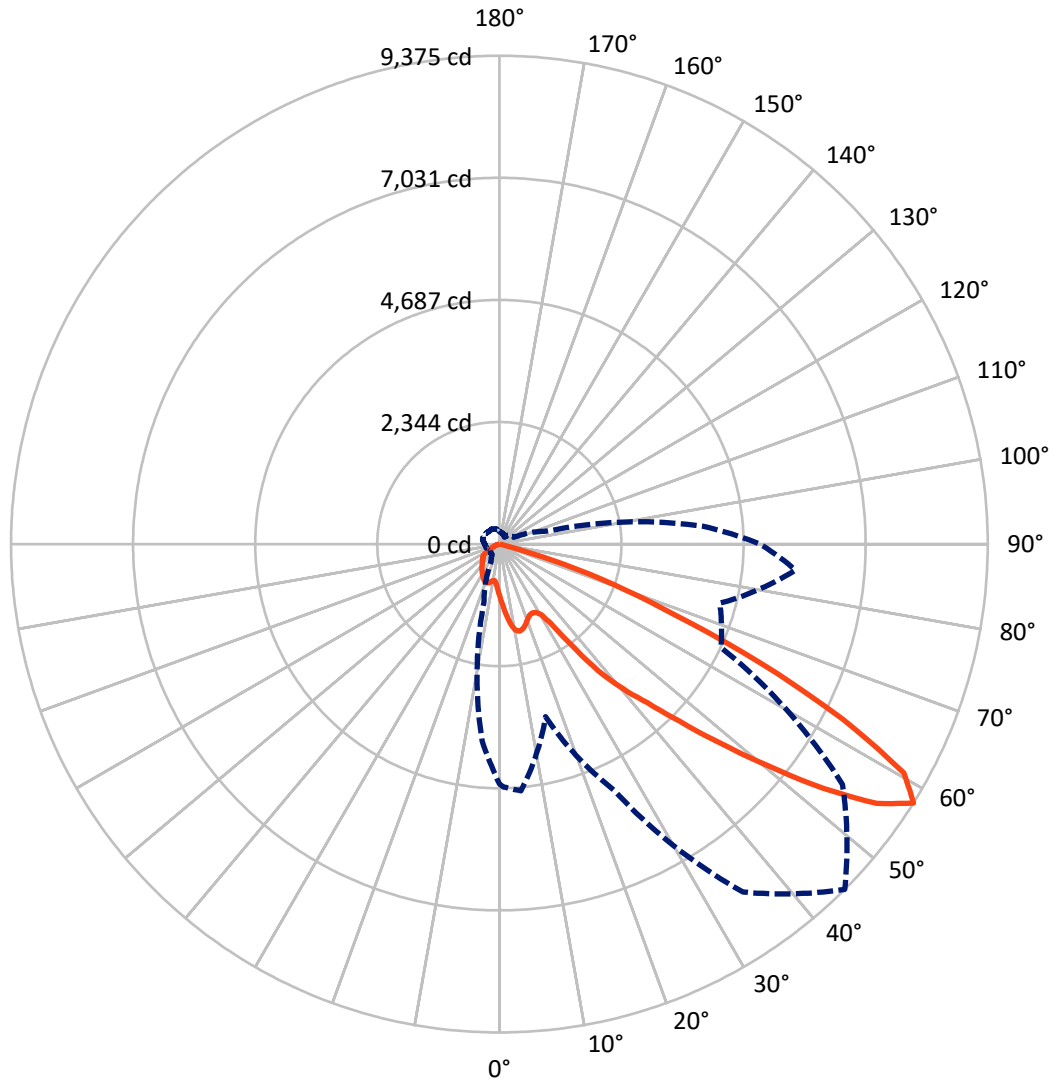
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 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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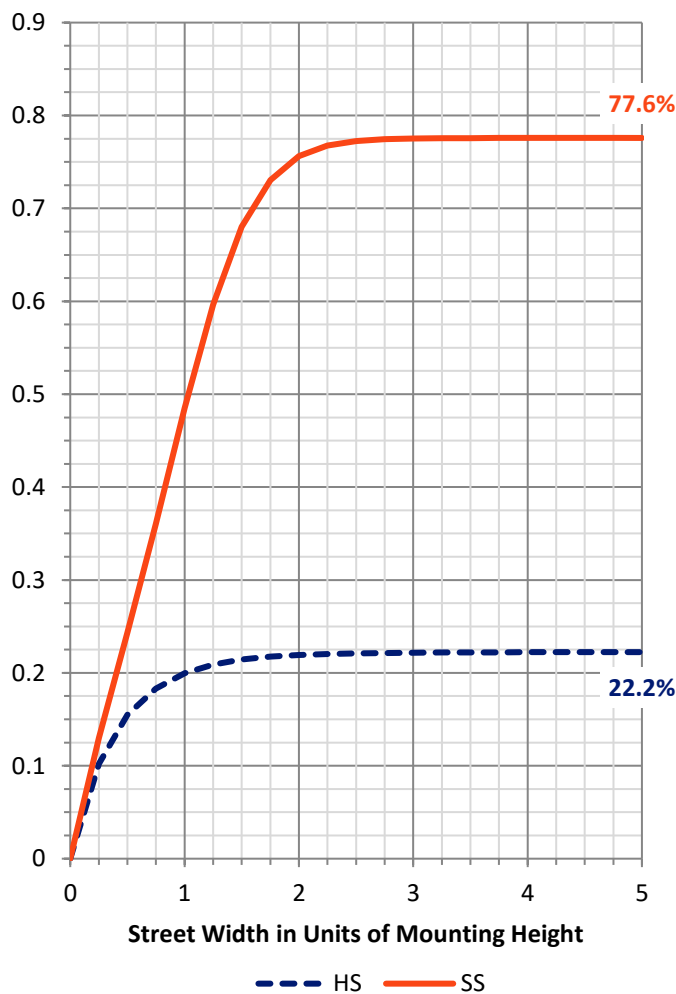
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1271.1	0.0	1271.1
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	4405.2	0.0	4405.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	5676.3	0.0	5676.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.7
10°-20°	317.5	5.6
20°-30°	515.8	9.1
30°-40°	796.9	14.0
40°-50°	1277.9	22.5
50°-60°	1746.5	30.8
60°-70°	845.9	14.9
70°-80°	77.5	1.4
80°-90°	0.2	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°	5676.3	100.0
0°-180°	5676.3	100.0

Coefficient of Utilization



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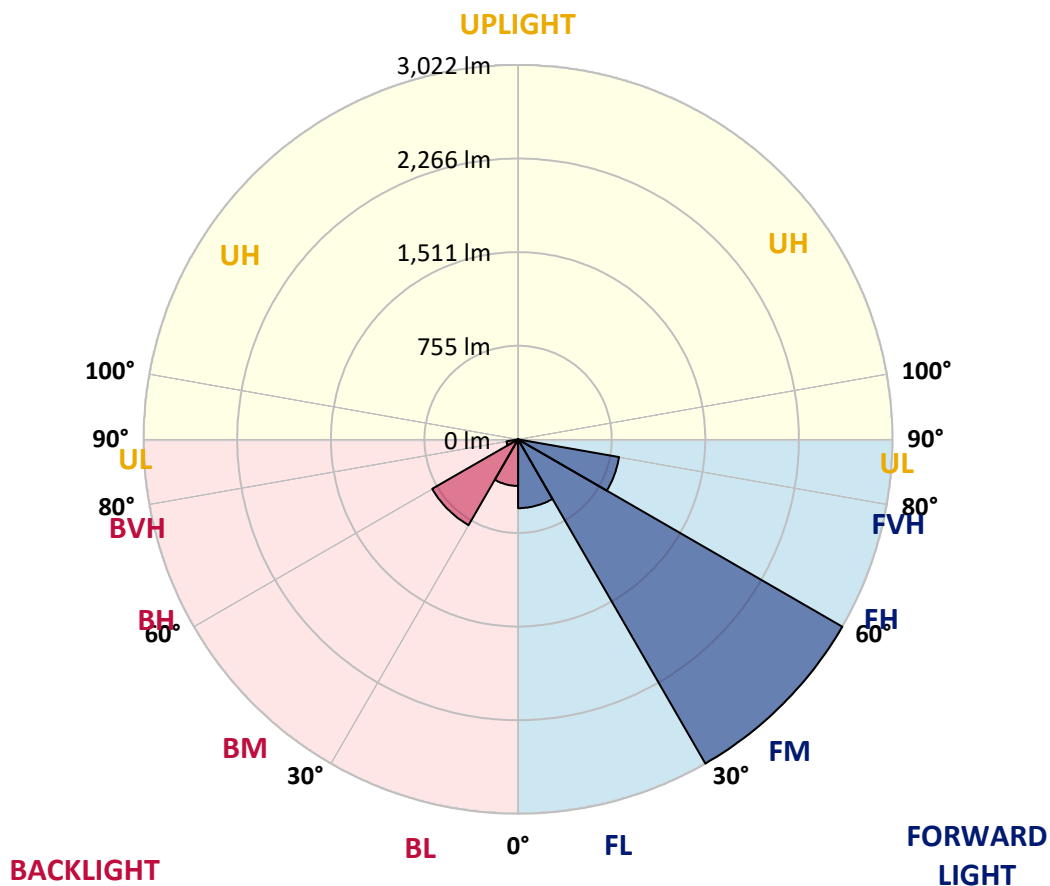
CATALOG NUMBER: GWS-SA3B-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.3	9.8			
FM (30°-60°)	3021.6	53.2			
FH (60°-80°)	828.1	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	376.1	6.6	B1/500		
BM (30°-60°)	799.7	14.1	B1/1000		
BH (60°-80°)	95.3	1.7	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°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
2.5°	1080.8	1087.7	1099.1	1123.5	1144.1	1157.8	1163.9	1162.4	1154.0	1147.9	1135.7
5°	1196.7	1196.7	1218.9	1274.5	1317.3	1344.0	1357.7	1349.3	1332.5	1305.8	1264.6
7.5°	1298.2	1302.0	1339.4	1418.7	1483.5	1521.7	1543.8	1539.2	1509.5	1458.4	1376.0
10°	1377.5	1382.1	1431.7	1528.5	1604.8	1643.7	1676.5	1679.6	1646.8	1578.9	1484.3
12.5°	1454.6	1459.1	1511.0	1604.1	1671.2	1687.2	1716.2	1727.6	1719.2	1671.2	1572.8
15°	1537.7	1548.4	1592.6	1662.0	1690.2	1671.2	1690.2	1710.8	1739.1	1734.5	1646.0
17.5°	1619.3	1626.9	1671.9	1696.3	1665.1	1615.5	1624.6	1649.1	1713.1	1775.7	1718.5
20°	1694.8	1705.5	1742.9	1710.8	1616.3	1539.2	1540.0	1572.0	1669.6	1800.8	1792.5
22.5°	1774.1	1790.2	1816.9	1726.9	1571.3	1479.0	1482.8	1511.8	1635.3	1824.5	1876.4
25°	1877.9	1893.1	1910.7	1766.5	1556.8	1449.2	1463.7	1490.4	1635.3	1864.9	1980.1
27.5°	2018.2	2028.9	2029.7	1840.5	1581.9	1453.8	1484.3	1514.8	1684.1	1945.8	2118.9
30°	2194.4	2211.2	2189.1	1955.7	1660.5	1514.8	1559.8	1598.0	1789.4	2082.3	2323.3
32.5°	2408.7	2432.4	2402.6	2126.5	1824.5	1725.3	1806.9	1829.1	1957.2	2279.8	2555.2
35°	2660.5	2680.3	2648.3	2363.0	2207.4	2225.7	2373.7	2345.4	2294.3	2523.2	2826.0
37.5°	2936.6	2954.9	2893.1	2721.5	2773.3	2852.7	3089.1	2992.2	2827.5	2836.6	3119.6
40°	3189.8	3209.6	3112.8	3111.2	3218.0	3362.9	3648.2	3514.7	3290.5	3247.0	3395.0
42.5°	3452.2	3465.9	3378.2	3318.7	3561.3	3859.5	4161.5	3981.5	3597.1	3549.8	3739.7
45°	3826.7	3855.7	3699.3	3420.9	3870.2	4430.8	4851.8	4500.2	3806.1	3768.0	4267.6
47.5°	4377.4	4398.8	4079.9	3485.0	4157.7	5142.4	5714.5	5172.9	3989.9	3903.0	4989.1
50°	4832.8	4847.2	4430.0	3555.2	4463.6	5909.7	6697.7	5970.8	4196.6	4126.5	5662.6
52.5°	5168.4	5223.3	4890.0	3699.3	4865.6	6812.1	7786.1	6915.8	4519.3	4558.2	6220.9
55°	5237.8	5312.5	5204.2	3787.8	5219.5	7731.2	8791.4	7761.7	4841.1	4885.4	6408.6
57.5°	4603.2	4662.7	4752.7	3430.8	5211.1	8152.2	9374.9	8042.4	4694.7	4381.2	5706.1
60°	3448.4	3489.6	3652.8	2622.3	4792.3	7780.0	8920.3	7564.9	4105.1	3343.1	4347.6
62.5°	2044.9	2063.2	2269.9	1698.6	3977.7	6700.0	7397.9	6527.6	3244.0	2248.6	2662.7
65°	784.9	777.2	935.1	838.3	2925.1	5336.9	5502.4	4976.1	2225.7	1030.5	1015.2
67.5°	121.3	115.9	156.4	247.9	2109.8	3698.6	3630.7	3586.4	1394.3	240.3	209.8
70°	27.5	27.5	33.6	73.2	1289.0	2173.1	2325.6	2217.3	892.4	51.1	27.5
72.5°	13.0	13.0	16.0	31.3	466.8	895.5	1043.4	1027.4	289.8	16.8	9.9
75°	4.6	5.3	5.3	6.9	28.2	46.5	106.8	76.3	18.3	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.8	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°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
2.5°	1109.0	1103.7	1083.9	1057.2	1031.2	1008.3	984.7	956.5	935.9	912.2	904.6
5°	1232.6	1199.0	1144.9	1088.4	1036.6	992.3	949.6	903.9	870.3	836.7	825.3
7.5°	1337.1	1287.5	1199.8	1115.1	1044.2	981.7	919.9	857.3	808.5	768.8	756.6
10°	1430.9	1373.7	1256.2	1151.7	1062.5	990.0	915.3	836.7	773.4	726.1	714.7
12.5°	1511.8	1445.4	1304.3	1179.2	1070.1	987.0	914.5	852.0	794.8	740.6	726.1
15°	1579.6	1506.4	1344.7	1197.5	1058.7	948.9	885.5	875.6	871.1	811.6	783.3
17.5°	1646.0	1563.6	1377.5	1205.9	1026.7	881.7	836.0	881.0	929.0	890.1	854.3
20°	1715.4	1621.6	1411.1	1207.4	973.3	806.2	798.6	869.5	930.5	918.3	884.8
22.5°	1797.0	1694.1	1453.0	1206.7	906.1	742.2	771.1	847.4	897.0	896.2	869.5
25°	1915.3	1785.6	1509.5	1211.2	832.9	692.6	740.6	810.0	850.5	848.9	826.8
27.5°	2041.9	1894.7	1582.7	1222.7	770.4	663.6	704.8	758.9	794.0	792.5	773.4
30°	2219.6	2020.5	1652.9	1223.4	725.4	648.3	665.1	702.5	736.0	732.2	717.7
32.5°	2435.4	2162.4	1711.6	1180.0	697.1	633.8	623.9	643.0	668.9	663.6	659.8
35°	2696.3	2330.9	1761.9	1084.6	653.7	604.9	578.2	582.0	600.3	603.3	601.8
37.5°	2993.8	2531.6	1824.5	958.8	594.9	562.9	527.1	524.0	534.7	544.6	552.2
40°	3287.4	2757.3	1909.2	831.4	541.5	509.5	475.2	467.6	472.1	489.7	505.7
42.5°	3617.7	3018.9	2000.7	722.3	504.9	450.8	418.0	403.5	416.5	444.7	463.7
45°	4093.7	3385.8	2089.9	635.4	489.7	398.9	354.7	353.2	367.6	404.3	425.6
47.5°	4761.8	3860.3	2148.7	567.5	488.9	358.5	305.9	315.0	331.8	367.6	392.1
50°	5413.2	4454.4	2083.8	515.6	472.9	331.8	269.2	287.6	304.3	335.6	360.8
52.5°	5806.0	4774.0	1831.4	466.8	423.3	319.6	233.4	265.4	268.5	296.7	323.4
55°	5764.8	4567.3	1402.7	391.3	350.1	302.0	196.0	239.5	241.0	262.4	285.3
57.5°	5003.6	3921.3	963.3	317.3	263.1	249.4	161.7	202.1	216.6	229.6	246.4
60°	3729.1	2861.1	429.4	257.8	167.0	168.6	138.1	152.5	174.7	189.9	204.4
62.5°	2197.5	1646.0	174.7	154.8	92.3	106.0	111.4	111.4	125.1	136.5	145.7
65°	830.6	575.9	70.9	77.8	48.1	49.6	65.6	80.9	91.5	101.4	113.6
67.5°	145.7	100.7	36.6	29.0	28.2	25.2	33.6	52.6	58.7	66.4	71.7
70°	24.4	20.6	15.3	14.5	13.0	13.7	22.1	37.4	41.2	43.5	45.8
72.5°	6.9	6.1	4.6	3.8	3.1	3.8	13.7	29.0	30.5	32.0	34.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	20.6	22.1	22.9	25.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	6.1	7.6	6.1
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°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
2.5°	900.0	884.8	876.4	871.8	871.8	865.7	858.9	856.6	866.5	866.5	883.3
5°	810.8	798.6	784.9	776.5	763.5	765.8	758.2	757.4	767.3	771.9	789.4
7.5°	749.0	733.8	725.4	720.0	713.2	710.1	703.3	701.0	706.3	713.9	730.7
10°	707.8	705.5	704.8	708.6	708.6	704.8	698.7	694.9	696.4	710.9	729.9
12.5°	718.5	723.1	724.6	730.7	733.8	730.7	726.1	727.7	737.6	764.3	792.5
15°	765.0	761.2	759.7	762.7	765.0	762.0	760.5	771.9	806.2	844.4	876.4
17.5°	814.6	790.2	779.5	779.5	781.1	779.5	781.1	803.2	858.9	897.0	920.6
20°	839.8	794.8	778.0	774.2	777.2	778.0	783.3	808.5	869.5	896.2	901.6
22.5°	832.2	775.7	756.6	753.6	756.6	759.7	765.0	786.4	843.6	857.3	855.0
25°	794.0	738.3	723.1	723.1	729.9	729.2	731.5	746.7	794.0	802.4	798.6
27.5°	746.0	693.3	680.4	688.0	694.1	692.6	693.3	706.3	741.4	743.7	739.9
30°	697.1	651.4	639.2	648.3	656.7	655.2	656.0	668.9	691.0	688.8	683.4
32.5°	647.6	614.0	604.9	610.2	623.2	621.6	624.7	638.4	646.8	636.9	630.8
35°	601.8	584.3	577.4	580.4	590.4	592.7	598.0	607.1	607.1	594.9	584.3
37.5°	559.1	556.8	552.2	548.4	557.6	564.4	572.1	582.7	567.5	549.9	540.0
40°	519.4	529.3	523.2	513.3	518.7	528.6	543.8	552.2	533.9	516.4	499.6
42.5°	482.8	499.6	497.3	485.1	489.7	498.8	516.4	523.2	501.9	482.1	466.0
45°	447.7	471.4	472.9	457.6	462.2	471.4	492.0	494.3	466.8	445.4	434.0
47.5°	417.2	443.2	443.9	432.5	434.0	447.0	466.0	466.8	435.5	415.7	401.2
50°	388.2	418.0	420.3	410.4	411.9	427.1	443.2	440.1	406.5	385.9	373.0
52.5°	353.2	393.6	398.9	394.3	400.4	412.6	422.6	411.9	373.0	352.4	340.9
55°	315.0	367.6	379.1	376.0	382.9	392.8	395.1	388.2	339.4	318.8	308.1
57.5°	270.8	302.8	322.6	316.5	321.9	331.8	338.7	333.3	296.7	280.7	271.5
60°	224.2	245.6	250.2	240.3	235.7	253.2	269.2	262.4	231.1	221.2	210.5
62.5°	164.0	188.4	191.4	178.5	173.1	192.2	205.9	199.1	164.8	154.1	145.7
65°	131.2	154.1	160.2	148.0	144.9	159.4	167.8	151.0	126.6	115.2	106.0
67.5°	86.2	104.5	120.5	119.8	113.6	118.2	112.1	98.4	80.9	74.7	68.6
70°	53.4	64.1	74.0	77.8	77.0	75.5	67.1	57.2	51.9	49.6	46.5
72.5°	41.2	51.9	59.5	61.8	62.5	60.3	53.4	44.2	38.9	35.8	33.6
75°	30.5	38.9	45.0	48.1	49.6	48.1	41.2	35.1	29.7	27.5	25.2
77.5°	10.7	13.0	16.0	17.5	16.8	16.0	14.5	14.5	11.4	10.7	9.2
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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CATALOG NUMBER: GWS-SA3B-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7	997.7
2.5°	902.3	916.1	941.2	964.1	988.5	1013.7	1041.1	1069.4	1082.3	1080.8
5°	816.1	845.9	887.1	932.1	982.4	1036.6	1096.8	1158.6	1185.3	1196.7
7.5°	762.0	803.9	858.1	915.3	981.7	1058.7	1149.5	1246.3	1285.2	1298.2
10°	768.8	817.7	862.7	918.3	989.3	1089.2	1202.1	1317.3	1363.0	1377.5
12.5°	824.5	835.2	847.4	893.2	982.4	1112.1	1250.1	1387.4	1440.1	1454.6
15°	874.9	825.3	802.4	844.4	958.0	1128.1	1299.0	1462.9	1520.9	1537.7
17.5°	877.2	802.4	751.3	784.1	918.3	1135.0	1347.0	1540.0	1603.3	1619.3
20°	848.9	777.2	711.6	712.4	864.2	1133.4	1386.7	1609.4	1680.3	1694.8
22.5°	807.7	747.5	679.6	656.0	806.2	1130.4	1430.1	1683.4	1760.4	1774.1
25°	762.0	709.4	649.1	613.2	748.3	1133.4	1491.2	1780.2	1864.9	1877.9
27.5°	712.4	667.4	625.5	596.5	699.4	1144.9	1564.4	1903.8	2004.5	2018.2
30°	660.5	627.0	610.2	592.7	668.9	1147.9	1643.7	2048.0	2175.3	2194.4
32.5°	609.4	591.1	591.9	594.9	639.9	1126.6	1716.2	2208.1	2378.2	2408.7
35°	562.1	556.8	572.1	587.3	598.0	1071.7	1779.5	2397.3	2629.2	2660.5
37.5°	521.7	526.3	545.4	560.6	552.2	993.9	1863.4	2633.8	2909.9	2936.6
40°	482.8	494.3	516.4	523.2	517.1	903.1	1964.1	2861.8	3153.2	3189.8
42.5°	447.0	455.4	486.6	488.2	507.2	810.8	2060.9	3107.4	3433.1	3452.2
45°	418.0	416.5	448.5	458.4	520.2	708.6	2155.5	3434.6	3799.2	3826.7
47.5°	389.8	388.2	395.9	440.9	525.5	614.0	2249.3	3913.6	4330.1	4377.4
50°	363.1	365.4	341.7	432.5	496.5	541.5	2292.0	4356.8	4812.9	4832.8
52.5°	339.4	331.0	289.8	405.0	434.8	472.9	2170.8	4558.2	5111.9	5168.4
55°	305.9	259.3	238.7	328.7	343.2	412.6	1778.0	4441.5	5137.9	5237.8
57.5°	261.6	203.7	202.9	242.6	242.6	382.9	1138.8	3794.7	4427.7	4603.2
60°	201.4	157.9	167.8	168.6	155.6	279.2	639.2	2748.9	3273.7	3448.4
62.5°	143.4	120.5	126.6	100.7	89.2	139.6	306.6	1582.7	2020.5	2044.9
65°	96.1	81.6	66.4	55.7	54.9	59.5	126.6	572.1	695.6	784.9
67.5°	63.3	49.6	35.1	35.1	39.7	39.7	48.1	94.6	132.7	121.3
70°	41.2	34.3	22.1	21.4	25.9	25.9	24.4	25.9	27.5	27.5
72.5°	30.5	25.9	13.0	11.4	14.5	15.3	13.7	13.0	13.0	13.0
75°	22.9	18.3	7.6	5.3	6.9	9.2	7.6	5.3	5.3	4.6
77.5°	9.2	6.9	3.1	2.3	3.8	5.3	4.6	2.3	1.5	1.5
80°	0.8	1.5	1.5	1.5	2.3	3.1	3.8	1.5	0.8	0.8
82.5°	0.0	0.8	0.8	0.8	1.5	2.3	3.1	1.5	0.8	0.8
85°	0.0	0.0	0.0	0.0	1.5	2.3	1.5	0.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.8	2.3	1.5	0.8	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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