

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: P634739

Luminaire Tested: GWS-SA3C-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634739
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-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: 7377.5 lumens
Efficiency: N/A
Efficacy: 79.3 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

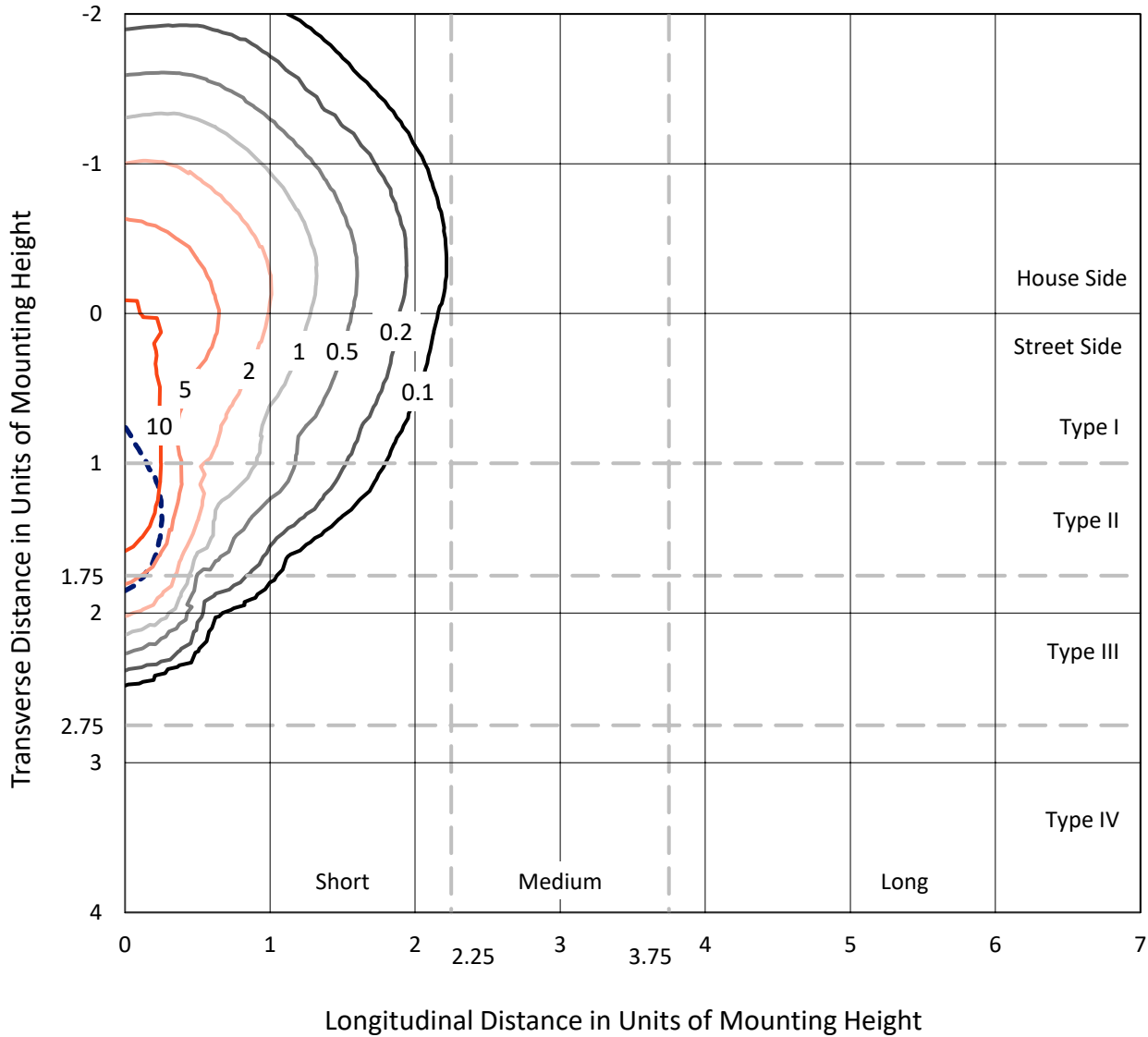
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

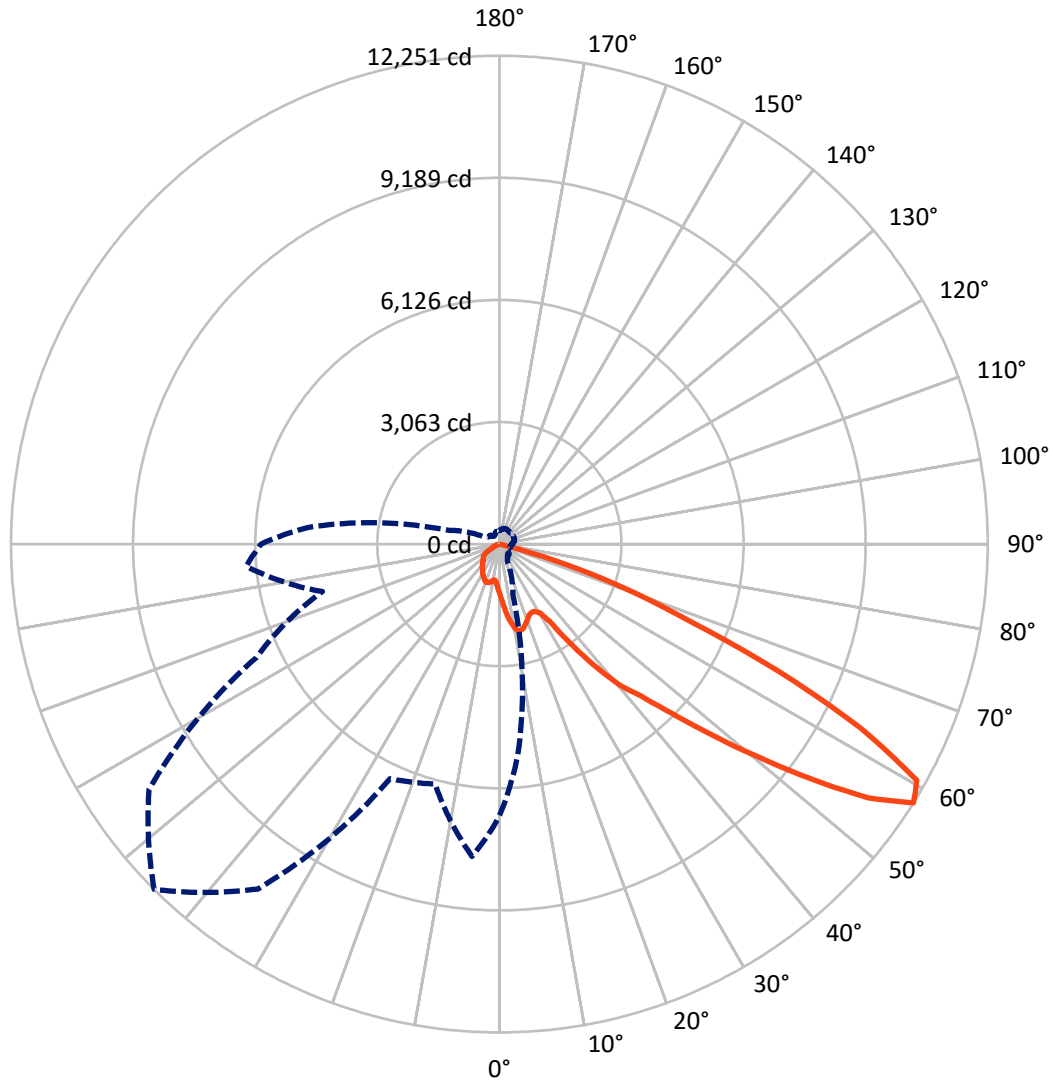
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 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	1589.4	0.0	1589.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5788.1	0.0	5788.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	7377.5	0.0	7377.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	1.7
10°-20°	407.7	5.5
20°-30°	661.6	9.0
30°-40°	1015.4	13.8
40°-50°	1621.7	22.0
50°-60°	2270.7	30.8
60°-70°	1164.3	15.8
70°-80°	112.1	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°	7377.5	100.0
0°-180°	7377.5	100.0

Coefficient of Utilization



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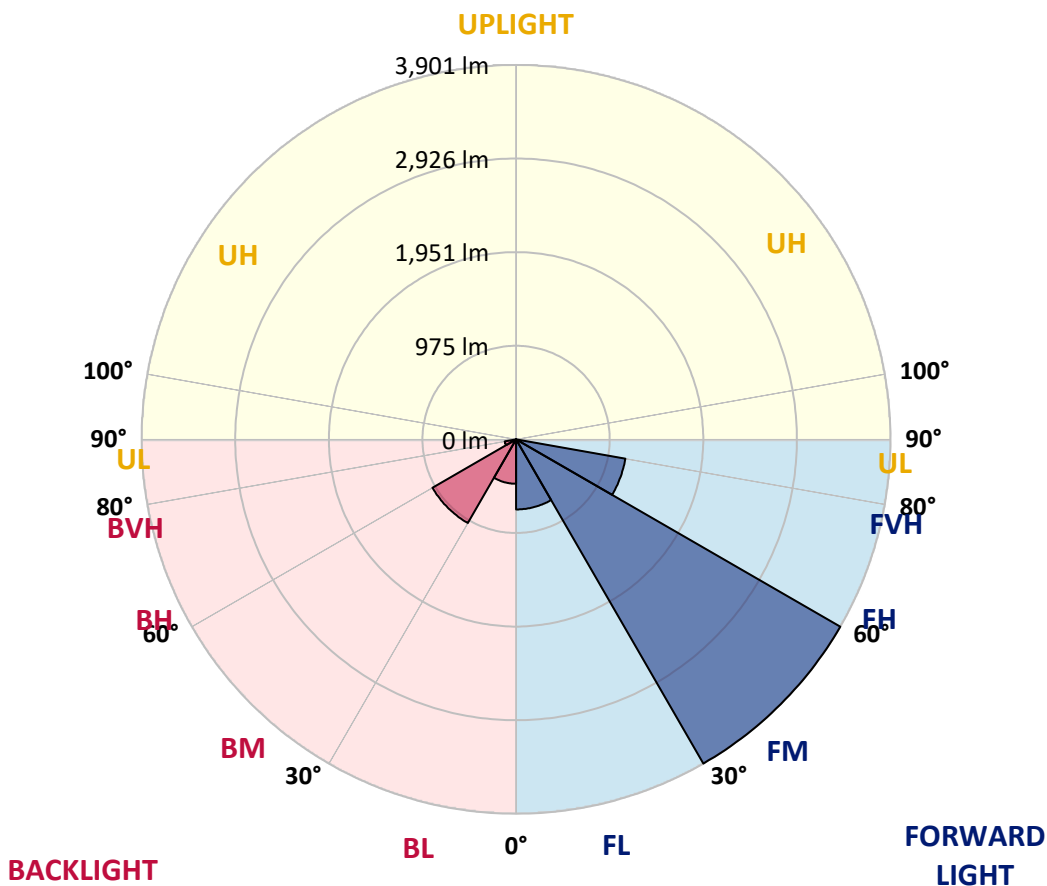
CATALOG NUMBER: GWS-SA3C-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.4	9.9			
FM (30°-60°)	3901.4	52.9			
FH (60°-80°)	1156.3	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	462.8	6.3	B1/500		
BM (30°-60°)	1006.5	13.6	B2/2500		
BH (60°-80°)	120.0	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 <td></td> <td>U0/0</td> <td></td>		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°	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5
2.5°	1392.6	1389.7	1379.8	1346.3	1325.5	1293.0	1269.3	1238.8	1205.2	1184.5	1163.8
5°	1540.6	1532.7	1506.0	1429.1	1369.9	1305.8	1254.5	1198.3	1138.2	1098.7	1062.2
7.5°	1682.6	1670.7	1635.2	1505.0	1415.3	1323.6	1250.6	1168.7	1083.9	1024.7	979.4
10°	1821.6	1795.0	1738.8	1579.0	1457.7	1347.2	1261.4	1167.7	1068.1	993.2	942.9
12.5°	1936.0	1916.3	1839.4	1649.0	1493.2	1352.2	1246.6	1159.9	1092.8	1042.5	996.1
15°	2034.7	2013.0	1940.0	1712.2	1523.8	1332.4	1184.5	1108.6	1119.4	1139.1	1099.7
17.5°	2125.4	2102.7	2023.8	1764.4	1535.6	1284.1	1097.7	1061.2	1121.4	1195.4	1180.6
20°	2219.1	2193.5	2096.8	1806.8	1531.7	1208.2	1009.9	1020.8	1105.6	1190.4	1198.3
22.5°	2328.6	2301.9	2189.5	1861.1	1528.7	1117.4	934.0	985.3	1076.0	1148.0	1161.8
25°	2473.6	2442.0	2318.7	1941.0	1536.6	1034.6	879.8	950.8	1025.7	1090.8	1098.7
27.5°	2664.9	2624.5	2467.6	2039.6	1553.4	969.5	856.1	903.4	961.6	1019.8	1026.7
30°	2914.4	2863.1	2638.3	2125.4	1545.5	924.1	840.3	856.1	890.6	937.9	938.9
32.5°	3206.4	3136.3	2829.6	2199.4	1477.4	890.6	818.6	807.8	815.6	852.1	859.0
35°	3549.6	3458.8	3040.7	2269.4	1353.2	825.5	779.2	742.7	739.7	757.5	774.2
37.5°	3943.1	3834.6	3307.0	2359.2	1206.2	757.5	721.0	684.5	668.7	677.6	703.2
40°	4306.0	4185.7	3585.1	2467.6	1056.3	696.3	652.9	615.4	596.7	599.7	631.2
42.5°	4732.1	4607.8	3925.3	2609.7	932.0	654.9	581.9	543.4	518.8	532.6	569.1
45°	5379.1	5238.1	4421.4	2732.9	833.4	645.0	519.8	465.5	453.7	477.4	520.7
47.5°	6262.8	6090.2	5103.0	2807.9	749.6	653.9	476.4	402.4	405.4	432.0	475.4
50°	7139.6	6953.2	5891.0	2709.3	680.5	636.1	454.7	353.1	371.8	395.5	434.9
52.5°	7742.2	7499.6	6274.6	2424.2	617.4	569.1	452.7	306.7	342.2	350.1	383.7
55°	7765.9	7467.0	6078.4	1911.4	531.6	480.3	432.0	268.3	309.7	312.6	341.2
57.5°	6807.2	6537.0	5312.0	1312.7	472.4	352.1	344.2	234.7	254.5	279.1	296.9
60°	5178.9	4949.1	3972.7	601.6	359.0	223.9	235.7	202.2	190.3	226.8	244.6
62.5°	3171.8	3024.9	2382.8	266.3	228.8	119.3	143.0	160.8	143.0	156.8	171.6
65°	1259.5	1194.4	904.4	113.4	93.7	60.2	65.1	93.7	100.6	110.5	124.3
67.5°	219.0	207.1	151.9	50.3	38.5	36.5	31.6	43.4	61.1	68.1	78.9
70°	28.6	27.6	24.7	20.7	19.7	17.8	13.8	27.6	41.4	43.4	50.3
72.5°	6.9	5.9	5.9	4.9	5.9	2.0	2.0	14.8	29.6	30.6	35.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	18.7	20.7	24.7
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°	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5
2.5°	1147.0	1127.3	1120.4	1110.5	1097.7	1101.7	1083.9	1078.0	1086.9	1098.7	1095.7
5°	1042.5	1020.8	1006.0	983.3	979.4	970.5	964.6	956.7	966.5	980.4	983.3
7.5°	959.6	940.9	926.1	919.2	914.3	910.3	898.5	892.6	892.6	898.5	903.4
10°	924.1	910.3	907.4	909.3	917.2	916.2	905.4	897.5	887.6	882.7	888.6
12.5°	973.4	950.8	946.8	947.8	957.7	956.7	944.8	935.0	933.0	935.0	953.7
15°	1057.3	1022.8	997.1	992.2	997.1	995.1	986.3	980.4	983.3	1011.9	1043.5
17.5°	1132.2	1079.0	1032.6	1014.9	1013.9	1010.9	1002.0	1000.1	1014.9	1068.1	1114.5
20°	1153.9	1101.7	1035.6	1012.9	1008.0	1005.0	995.1	998.1	1016.8	1080.9	1120.4
22.5°	1125.3	1075.0	1006.0	983.3	979.4	978.4	968.5	972.5	988.2	1044.5	1077.0
25°	1071.1	1028.7	956.7	937.0	937.0	935.0	926.1	928.1	937.9	987.3	1018.8
27.5°	1005.0	964.6	904.4	884.7	887.6	890.6	879.8	876.8	884.7	931.0	949.8
30°	929.1	900.5	853.1	835.4	834.4	846.2	831.4	827.5	838.3	874.8	878.8
32.5°	855.1	841.3	807.8	793.9	794.9	796.9	789.0	789.0	798.9	818.6	817.6
35°	783.1	774.2	768.3	758.4	757.5	753.5	753.5	755.5	766.3	773.2	760.4
37.5°	714.1	722.9	729.8	720.0	712.1	712.1	712.1	721.0	730.8	727.9	706.2
40°	652.9	671.6	693.3	682.5	663.8	662.8	666.7	681.5	696.3	678.6	658.8
42.5°	600.6	624.3	654.9	649.0	628.3	625.3	628.3	647.0	658.8	636.1	614.4
45°	549.4	578.9	615.4	615.4	592.7	589.8	590.8	615.4	622.3	595.7	568.1
47.5°	506.0	538.5	577.0	577.0	558.2	552.3	557.2	582.9	587.8	550.3	524.7
50°	464.5	500.0	542.4	539.5	526.7	521.7	530.6	558.2	552.3	510.9	484.3
52.5°	412.3	449.7	507.9	510.9	504.0	505.0	515.8	533.6	516.8	466.5	443.8
55°	364.9	403.4	461.6	477.4	477.4	476.4	481.3	495.1	481.3	421.1	393.5
57.5°	313.6	346.2	394.5	398.5	401.4	390.6	397.5	416.2	409.3	358.0	342.2
60°	257.4	285.0	312.6	315.6	302.8	280.1	292.9	314.6	319.6	281.1	263.3
62.5°	182.5	209.1	241.6	241.6	228.8	206.1	222.9	241.6	234.7	195.3	184.4
65°	136.1	160.8	185.4	196.3	185.4	169.6	182.5	196.3	185.4	152.9	137.1
67.5°	87.8	104.5	119.3	128.2	130.2	128.2	134.1	130.2	117.4	95.7	86.8
70°	53.3	62.1	70.0	77.9	83.8	86.8	89.8	80.9	68.1	56.2	53.3
72.5°	38.5	46.4	53.3	59.2	66.1	68.1	68.1	62.1	50.3	39.5	36.5
75°	26.6	33.5	39.5	43.4	49.3	51.3	51.3	46.4	37.5	28.6	25.6
77.5°	1.0	6.9	6.9	5.9	7.9	9.9	9.9	11.8	10.8	7.9	6.9
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°	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5
2.5°	1101.7	1137.2	1147.0	1183.5	1216.1	1248.6	1288.1	1311.7	1347.2	1371.9	1385.7
5°	993.2	1022.8	1058.3	1112.5	1168.7	1230.9	1305.8	1370.9	1452.8	1512.9	1532.7
7.5°	914.3	952.7	994.2	1062.2	1139.1	1222.0	1327.5	1434.0	1559.3	1641.1	1693.4
10°	899.5	938.9	994.2	1061.2	1142.1	1236.8	1366.0	1504.1	1660.9	1760.5	1819.7
12.5°	970.5	1012.9	1036.6	1067.1	1128.3	1233.8	1399.5	1575.1	1759.5	1868.0	1931.1
15°	1075.0	1112.5	1074.0	1035.6	1075.0	1202.3	1418.3	1634.2	1846.3	1971.5	2036.6
17.5°	1147.0	1150.0	1066.2	984.3	995.1	1145.1	1425.2	1693.4	1939.0	2070.2	2138.2
20°	1140.1	1116.5	1031.6	940.9	907.4	1071.1	1417.3	1745.7	2032.7	2169.8	2236.9
22.5°	1086.9	1059.3	987.3	898.5	833.4	983.3	1403.5	1793.0	2118.5	2274.3	2337.5
25°	1022.8	993.2	934.0	856.1	786.1	898.5	1392.6	1858.1	2227.0	2410.4	2459.8
27.5°	947.8	922.2	871.9	815.6	766.3	834.4	1389.7	1943.9	2358.2	2576.1	2610.7
30°	874.8	851.1	811.7	779.2	758.4	796.9	1379.8	2035.7	2515.0	2766.5	2804.0
32.5°	804.8	781.1	756.5	751.5	752.5	783.1	1346.3	2126.4	2701.4	3042.6	3070.3
35°	744.6	717.0	707.2	719.0	740.7	759.4	1251.6	2201.4	2901.6	3343.4	3366.1
37.5°	687.4	659.8	658.8	687.4	711.1	722.9	1140.1	2275.3	3171.8	3649.2	3677.8
40°	635.2	607.5	617.4	651.9	670.7	676.6	1005.0	2387.8	3457.9	3971.7	3955.9
42.5°	590.8	562.2	568.1	612.5	629.2	645.0	880.7	2481.5	3733.0	4277.4	4272.5
45°	547.4	525.7	521.7	570.1	584.9	648.0	790.0	2553.4	4087.1	4667.0	4674.9
47.5°	505.0	488.2	489.2	509.9	546.4	662.8	713.1	2600.8	4600.9	5284.4	5147.3
50°	466.5	453.7	464.5	440.9	521.7	644.0	647.0	2590.9	5174.9	5876.2	5601.0
52.5°	424.1	421.1	426.1	368.9	482.3	568.1	584.9	2459.8	5444.2	6280.6	6123.7
55°	380.7	379.7	340.3	294.9	403.4	453.7	501.0	2052.4	5435.3	6495.6	6685.9
57.5°	329.4	321.5	258.4	240.6	313.6	315.6	456.6	1344.3	4816.9	5980.7	6375.2
60°	249.5	243.6	189.4	195.3	219.0	202.2	363.9	669.7	3599.9	4659.1	5103.9
62.5°	172.6	164.7	141.0	150.9	141.0	115.4	222.9	331.4	2180.6	2942.0	3345.4
65°	126.2	117.4	96.7	82.8	66.1	66.1	84.8	127.2	844.2	1250.6	1508.0
67.5°	77.9	74.0	57.2	41.4	40.4	43.4	44.4	63.1	136.1	217.0	265.3
70°	50.3	46.4	38.5	26.6	24.7	25.6	26.6	29.6	34.5	37.5	45.4
72.5°	34.5	32.5	27.6	14.8	11.8	12.8	13.8	13.8	16.8	15.8	18.7
75°	24.7	22.7	19.7	6.9	3.9	4.9	5.9	4.9	5.9	3.9	4.9
77.5°	6.9	6.9	4.9	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-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5	1253.5
2.5°	1421.2	1443.9	1452.8	1440.0	1450.8	1433.0	1426.1	1399.5	1397.5	1392.6
5°	1612.5	1663.8	1694.4	1713.1	1691.4	1667.8	1632.3	1571.1	1552.4	1540.6
7.5°	1800.9	1880.8	1933.1	1957.7	1951.8	1903.5	1839.4	1736.8	1700.3	1682.6
10°	1964.6	2062.3	2125.4	2156.0	2143.2	2100.8	2009.0	1880.8	1832.5	1821.6
12.5°	2079.1	2168.8	2212.2	2238.8	2239.8	2223.0	2136.3	2007.1	1949.9	1936.0
15°	2151.1	2189.5	2190.5	2206.3	2233.9	2271.4	2230.9	2116.5	2055.4	2034.7
17.5°	2196.4	2154.0	2110.6	2114.6	2159.9	2259.5	2301.0	2213.2	2148.1	2125.4
20°	2229.0	2094.8	2014.0	2014.9	2061.3	2212.2	2349.3	2306.9	2239.8	2219.1
22.5°	2249.7	2042.6	1927.2	1924.2	1973.5	2156.0	2393.7	2418.3	2352.2	2328.6
25°	2292.1	2017.9	1874.9	1891.7	1935.1	2138.2	2453.8	2566.3	2505.1	2473.6
27.5°	2368.0	2042.6	1870.0	1908.4	1957.7	2190.5	2558.4	2763.5	2700.4	2664.9
30°	2499.2	2135.3	1945.9	1999.2	2058.3	2327.6	2733.9	3038.7	2948.0	2914.4
32.5°	2710.3	2327.6	2180.6	2295.0	2352.2	2552.5	2997.3	3347.4	3273.4	3206.4
35°	3001.2	2766.5	2749.7	3016.0	3002.2	2978.5	3320.8	3726.1	3614.7	3549.6
37.5°	3401.6	3472.6	3596.9	3861.2	3852.4	3671.9	3745.8	4084.1	4026.9	3943.1
40°	3901.7	4052.6	4263.6	4642.4	4524.0	4297.2	4267.6	4451.0	4404.7	4306.0
42.5°	4196.6	4456.9	4859.3	5199.6	5104.9	4708.4	4674.9	4941.2	4839.6	4732.1
45°	4333.7	4786.4	5575.4	6036.0	5749.0	4981.6	4968.8	5580.3	5523.1	5379.1
47.5°	4396.8	5118.7	6413.7	7111.0	6574.5	5221.3	5174.9	6507.4	6432.4	6262.8
50°	4466.8	5577.3	7423.6	8356.6	7571.6	5492.5	5526.1	7371.4	7339.8	7139.6
52.5°	4620.7	6062.6	8667.3	9780.8	8780.7	5917.6	6128.7	8186.0	7973.0	7742.2
55°	4851.5	6591.2	9961.3	11235.6	10014.6	6488.7	6780.6	8619.0	8021.3	7765.9
57.5°	4596.0	6723.4	10727.6	12251.4	10561.9	6490.6	6229.3	7868.4	7054.8	6807.2
60°	3647.2	6254.9	10432.7	12031.5	10095.4	5763.7	4769.6	6143.5	5344.6	5178.9
62.5°	2465.7	5246.0	9184.1	10175.3	8640.7	4533.9	3099.8	3995.4	3308.9	3171.8
65°	1351.2	3913.5	7420.7	7697.8	6762.8	3166.9	1594.8	1733.9	1320.6	1259.5
67.5°	372.8	2724.1	5460.0	5106.9	4744.9	2062.3	412.3	309.7	220.9	219.0
70°	93.7	1801.9	3271.5	3372.1	2909.5	1320.6	78.9	37.5	29.6	28.6
72.5°	39.5	775.2	1552.4	1784.2	1489.3	611.5	28.6	10.8	8.9	6.9
75°	4.9	62.1	132.2	200.2	137.1	66.1	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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