

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: P631604

Luminaire Tested: GWS-SA2B-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631604
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-SA2B-722-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2725.8 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

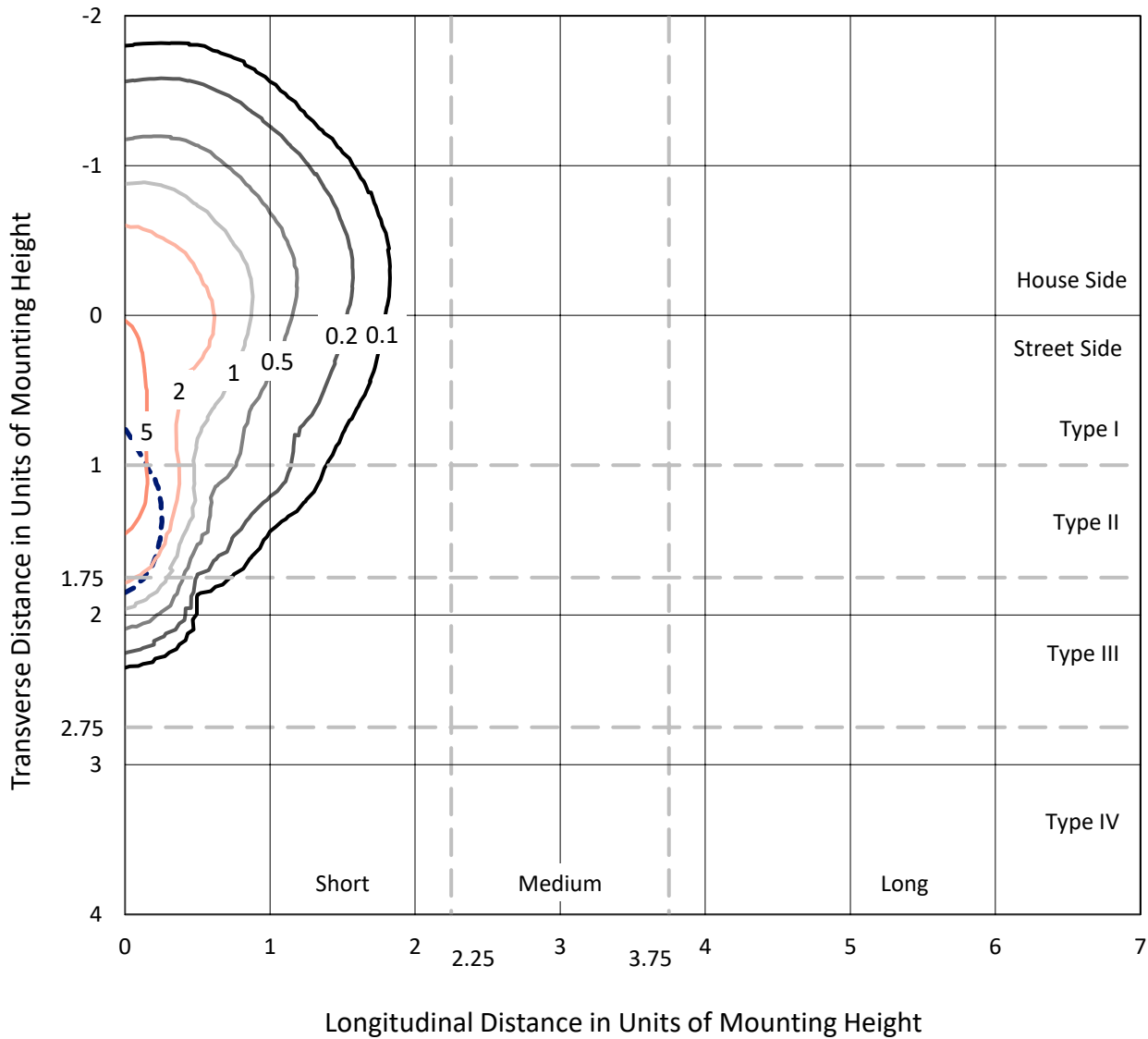
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

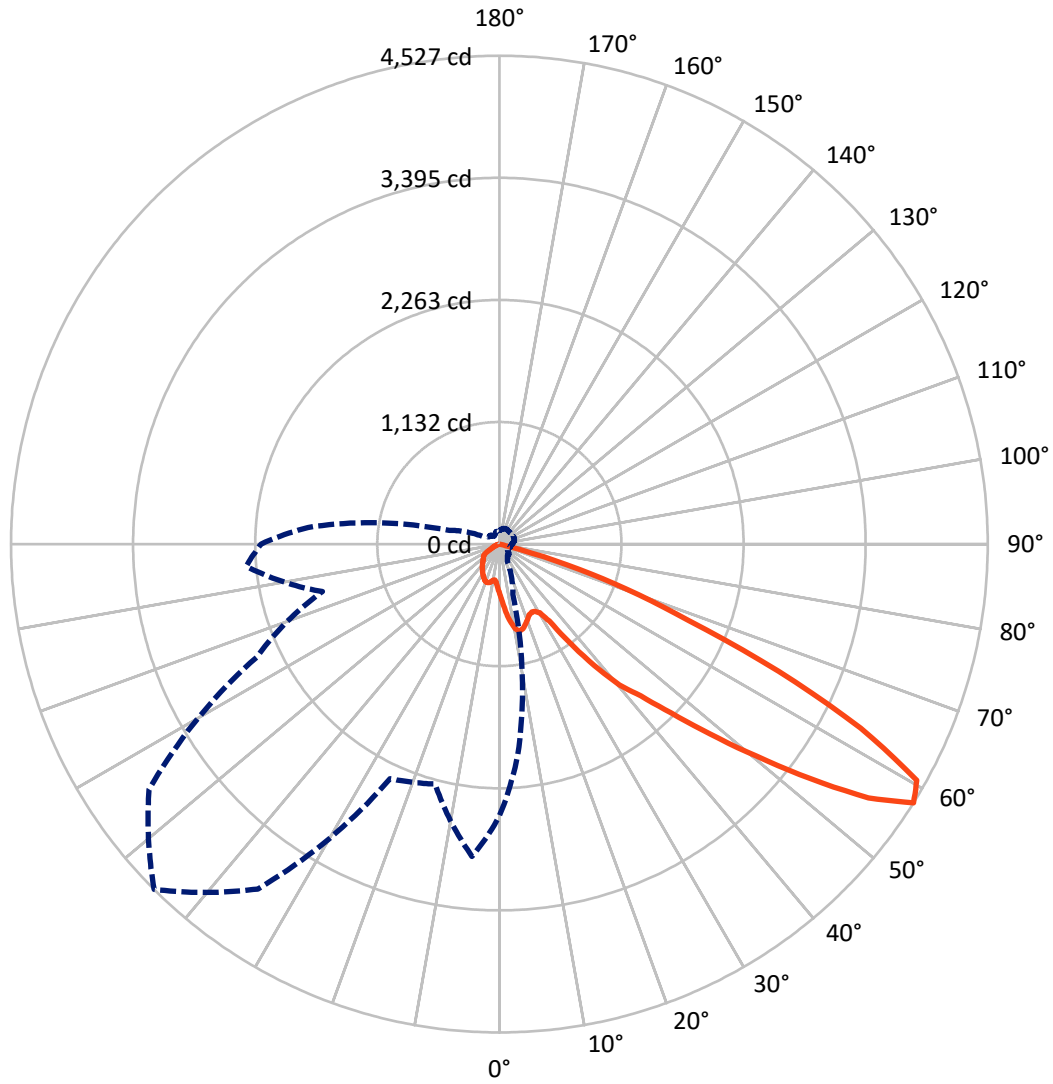
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	587.2	0.0	587.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2138.6	0.0	2138.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	2725.8	0.0	2725.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.7
10°-20°	150.6	5.5
20°-30°	244.5	9.0
30°-40°	375.2	13.8
40°-50°	599.2	22.0
50°-60°	839.0	30.8
60°-70°	430.2	15.8
70°-80°	41.4	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°	2725.8	100.0
0°-180°	2725.8	100.0

Coefficient of Utilization



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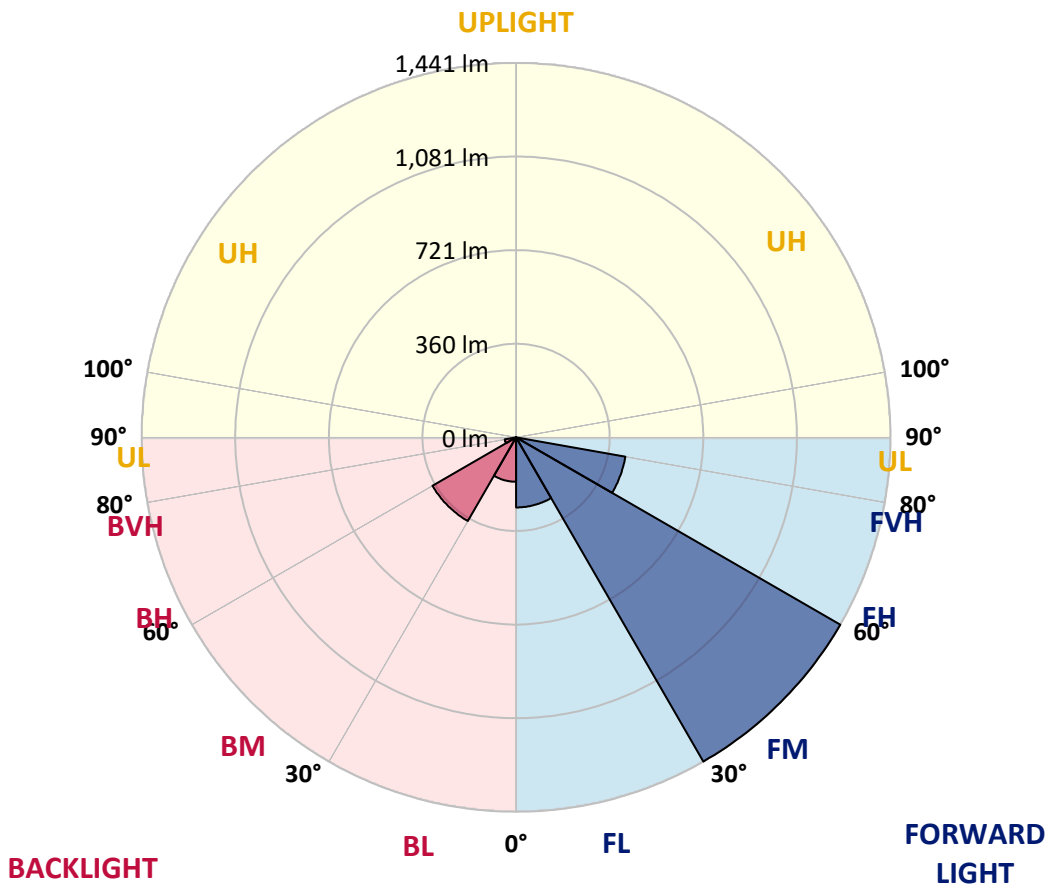
CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.9	9.9			
FM (30°-60°)	1441.5	52.9			
FH (60°-80°)	427.2	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	171.0	6.3	B1/500		
BM (30°-60°)	371.9	13.6	B1/1000		
BH (60°-80°)	44.4	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-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2
2.5°	514.5	513.4	509.8	497.4	489.8	477.7	469.0	457.7	445.3	437.6	430.0
5°	569.2	566.3	556.4	528.0	506.2	482.5	463.5	442.7	420.5	405.9	392.5
7.5°	621.7	617.3	604.2	556.1	522.9	489.0	462.1	431.8	400.5	378.6	361.9
10°	673.0	663.2	642.4	583.4	538.6	497.8	466.1	431.5	394.6	367.0	348.4
12.5°	715.3	708.0	679.6	609.3	551.7	499.6	460.6	428.5	403.8	385.2	368.0
15°	751.8	743.7	716.8	632.6	563.0	492.3	437.6	409.6	413.6	420.9	406.3
17.5°	785.3	776.9	747.8	651.9	567.4	474.5	405.6	392.1	414.3	441.7	436.2
20°	819.9	810.4	774.7	667.6	565.9	446.4	373.1	377.2	408.5	439.8	442.7
22.5°	860.4	850.5	809.0	687.6	564.8	412.9	345.1	364.0	397.6	424.2	429.3
25°	913.9	902.3	856.7	717.1	567.7	382.3	325.0	351.3	379.0	403.0	405.9
27.5°	984.6	969.7	911.7	753.6	573.9	358.2	316.3	333.8	355.3	376.8	379.3
30°	1076.8	1057.9	974.8	785.3	571.0	341.4	310.5	316.3	329.1	346.5	346.9
32.5°	1184.7	1158.8	1045.5	812.6	545.9	329.1	302.5	298.4	301.4	314.8	317.4
35°	1311.5	1278.0	1123.4	838.5	500.0	305.0	287.9	274.4	273.3	279.9	286.1
37.5°	1456.9	1416.8	1221.8	871.6	445.7	279.9	266.4	252.9	247.1	250.3	259.8
40°	1591.0	1546.5	1324.6	911.7	390.3	257.3	241.2	227.4	220.5	221.6	233.2
42.5°	1748.4	1702.5	1450.3	964.2	344.4	242.0	215.0	200.8	191.7	196.8	210.3
45°	1987.4	1935.3	1633.6	1009.8	307.9	238.3	192.0	172.0	167.6	176.4	192.4
47.5°	2313.9	2250.2	1885.4	1037.4	276.9	241.6	176.0	148.7	149.8	159.6	175.6
50°	2637.9	2569.0	2176.6	1001.0	251.4	235.0	168.0	130.5	137.4	146.1	160.7
52.5°	2860.5	2770.9	2318.3	895.7	228.1	210.3	167.3	113.3	126.4	129.4	141.8
55°	2869.3	2758.9	2245.8	706.2	196.4	177.5	159.6	99.1	114.4	115.5	126.1
57.5°	2515.1	2415.3	1962.7	485.0	174.5	130.1	127.2	86.7	94.0	103.1	109.7
60°	1913.5	1828.6	1467.8	222.3	132.6	82.7	87.1	74.7	70.3	83.8	90.4
62.5°	1171.9	1117.6	880.4	98.4	84.5	44.1	52.8	59.4	52.8	57.9	63.4
65°	465.3	441.3	334.2	41.9	34.6	22.2	24.1	34.6	37.2	40.8	45.9
67.5°	80.9	76.5	56.1	18.6	14.2	13.5	11.7	16.0	22.6	25.1	29.2
70°	10.6	10.2	9.1	7.7	7.3	6.6	5.1	10.2	15.3	16.0	18.6
72.5°	2.6	2.2	2.2	1.8	2.2	0.7	0.7	5.5	10.9	11.3	13.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.9	7.7	9.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2
2.5°	423.8	416.5	414.0	410.3	405.6	407.0	400.5	398.3	401.6	405.9	404.8
5°	385.2	377.2	371.7	363.3	361.9	358.6	356.4	353.5	357.1	362.2	363.3
7.5°	354.6	347.6	342.2	339.6	337.8	336.3	332.0	329.8	329.8	332.0	333.8
10°	341.4	336.3	335.2	336.0	338.9	338.5	334.5	331.6	328.0	326.1	328.3
12.5°	359.7	351.3	349.8	350.2	353.8	353.5	349.1	345.5	344.7	345.5	352.4
15°	390.6	377.9	368.4	366.6	368.4	367.7	364.4	362.2	363.3	373.9	385.5
17.5°	418.3	398.7	381.5	375.0	374.6	373.5	370.2	369.5	375.0	394.6	411.8
20°	426.3	407.0	382.6	374.2	372.4	371.3	367.7	368.8	375.7	399.4	414.0
22.5°	415.8	397.2	371.7	363.3	361.9	361.5	357.8	359.3	365.1	385.9	397.9
25°	395.7	380.1	353.5	346.2	346.2	345.5	342.2	342.9	346.5	364.8	376.4
27.5°	371.3	356.4	334.2	326.9	328.0	329.1	325.0	324.0	326.9	344.0	350.9
30°	343.3	332.7	315.2	308.6	308.3	312.7	307.2	305.7	309.7	323.2	324.7
32.5°	315.9	310.8	298.4	293.3	293.7	294.4	291.5	291.5	295.2	302.5	302.1
35°	289.3	286.1	283.9	280.2	279.9	278.4	278.4	279.1	283.1	285.7	281.0
37.5°	263.8	267.1	269.7	266.0	263.1	263.1	263.1	266.4	270.0	268.9	260.9
40°	241.2	248.2	256.2	252.2	245.2	244.9	246.3	251.8	257.3	250.7	243.4
42.5°	221.9	230.7	242.0	239.8	232.1	231.0	232.1	239.0	243.4	235.0	227.0
45°	203.0	213.9	227.4	227.4	219.0	217.9	218.3	227.4	229.9	220.1	209.9
47.5°	186.9	199.0	213.2	213.2	206.3	204.1	205.9	215.4	217.2	203.3	193.9
50°	171.6	184.8	200.4	199.3	194.6	192.8	196.0	206.3	204.1	188.8	178.9
52.5°	152.3	166.2	187.7	188.8	186.2	186.6	190.6	197.1	190.9	172.4	164.0
55°	134.8	149.0	170.5	176.4	176.4	176.0	177.8	182.9	177.8	155.6	145.4
57.5°	115.9	127.9	145.8	147.2	148.3	144.3	146.9	153.8	151.2	132.3	126.4
60°	95.1	105.3	115.5	116.6	111.9	103.5	108.2	116.2	118.1	103.9	97.3
62.5°	67.4	77.3	89.3	89.3	84.5	76.2	82.4	89.3	86.7	72.2	68.1
65°	50.3	59.4	68.5	72.5	68.5	62.7	67.4	72.5	68.5	56.5	50.7
67.5°	32.4	38.6	44.1	47.4	48.1	47.4	49.6	48.1	43.4	35.3	32.1
70°	19.7	23.0	25.9	28.8	31.0	32.1	33.2	29.9	25.1	20.8	19.7
72.5°	14.2	17.1	19.7	21.9	24.4	25.1	25.1	23.0	18.6	14.6	13.5
75°	9.8	12.4	14.6	16.0	18.2	18.9	18.9	17.1	13.8	10.6	9.5
77.5°	0.4	2.6	2.6	2.2	2.9	3.6	3.6	4.4	4.0	2.9	2.6
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°	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2
2.5°	407.0	420.2	423.8	437.3	449.3	461.3	475.9	484.7	497.8	506.9	512.0
5°	367.0	377.9	391.0	411.0	431.8	454.8	482.5	506.5	536.8	559.0	566.3
7.5°	337.8	352.0	367.3	392.5	420.9	451.5	490.5	529.8	576.1	606.4	625.7
10°	332.3	346.9	367.3	392.1	422.0	457.0	504.7	555.7	613.7	650.5	672.3
12.5°	358.6	374.2	383.0	394.3	416.9	455.9	517.1	581.9	650.1	690.2	713.5
15°	397.2	411.0	396.8	382.6	397.2	444.2	524.0	603.8	682.2	728.4	752.5
17.5°	423.8	424.9	393.9	363.7	367.7	423.1	526.6	625.7	716.4	764.9	790.0
20°	421.2	412.5	381.2	347.6	335.2	395.7	523.6	645.0	751.0	801.7	826.5
22.5°	401.6	391.4	364.8	332.0	307.9	363.3	518.5	662.5	782.7	840.3	863.6
25°	377.9	367.0	345.1	316.3	290.4	332.0	514.5	686.5	822.8	890.6	908.8
27.5°	350.2	340.7	322.1	301.4	283.1	308.3	513.4	718.2	871.3	951.8	964.6
30°	323.2	314.5	299.9	287.9	280.2	294.4	509.8	752.1	929.2	1022.1	1036.0
32.5°	297.4	288.6	279.5	277.7	278.0	289.3	497.4	785.6	998.1	1124.2	1134.4
35°	275.1	264.9	261.3	265.6	273.7	280.6	462.4	813.3	1072.1	1235.3	1243.7
37.5°	254.0	243.8	243.4	254.0	262.7	267.1	421.2	840.7	1171.9	1348.3	1358.9
40°	234.7	224.5	228.1	240.9	247.8	250.0	371.3	882.2	1277.6	1467.4	1461.6
42.5°	218.3	207.7	209.9	226.3	232.5	238.3	325.4	916.8	1379.3	1580.4	1578.6
45°	202.2	194.2	192.8	210.6	216.1	239.4	291.9	943.4	1510.1	1724.3	1727.3
47.5°	186.6	180.4	180.7	188.4	201.9	244.9	263.5	960.9	1699.9	1952.5	1901.8
50°	172.4	167.6	171.6	162.9	192.8	238.0	239.0	957.3	1912.0	2171.1	2069.4
52.5°	156.7	155.6	157.4	136.3	178.2	209.9	216.1	908.8	2011.5	2320.5	2262.6
55°	140.7	140.3	125.7	109.0	149.0	167.6	185.1	758.3	2008.2	2399.9	2470.3
57.5°	121.7	118.8	95.5	88.9	115.9	116.6	168.7	496.7	1779.7	2209.7	2355.5
60°	92.2	90.0	70.0	72.2	80.9	74.7	134.5	247.4	1330.1	1721.4	1885.8
62.5°	63.8	60.9	52.1	55.8	52.1	42.6	82.4	122.4	805.7	1087.0	1236.0
65°	46.6	43.4	35.7	30.6	24.4	24.4	31.3	47.0	311.9	462.1	557.2
67.5°	28.8	27.3	21.1	15.3	14.9	16.0	16.4	23.3	50.3	80.2	98.0
70°	18.6	17.1	14.2	9.8	9.1	9.5	9.8	10.9	12.8	13.8	16.8
72.5°	12.8	12.0	10.2	5.5	4.4	4.7	5.1	5.1	6.2	5.8	6.9
75°	9.1	8.4	7.3	2.6	1.5	1.8	2.2	1.8	2.2	1.5	1.8
77.5°	2.6	2.6	1.8	0.4	0.0	0.4	0.7	0.7	0.4	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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-SA2B-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2
2.5°	525.1	533.5	536.8	532.0	536.0	529.5	526.9	517.1	516.4	514.5
5°	595.8	614.7	626.0	633.0	624.9	616.2	603.1	580.5	573.6	569.2
7.5°	665.4	694.9	714.2	723.3	721.1	703.3	679.6	641.7	628.2	621.7
10°	725.9	762.0	785.3	796.6	791.8	776.2	742.3	694.9	677.1	673.0
12.5°	768.2	801.3	817.4	827.2	827.6	821.4	789.3	741.6	720.4	715.3
15°	794.8	809.0	809.3	815.2	825.4	839.2	824.3	782.0	759.4	751.8
17.5°	811.5	795.9	779.8	781.3	798.0	834.8	850.1	817.7	793.7	785.3
20°	823.5	774.0	744.1	744.5	761.6	817.4	868.0	852.3	827.6	819.9
22.5°	831.2	754.7	712.0	710.9	729.2	796.6	884.4	893.5	869.1	860.4
25°	846.9	745.6	692.7	698.9	715.0	790.0	906.6	948.2	925.6	913.9
27.5°	874.9	754.7	690.9	705.1	723.3	809.3	945.3	1021.1	997.7	984.6
30°	923.4	788.9	719.0	738.6	760.5	860.0	1010.1	1122.7	1089.2	1076.8
32.5°	1001.4	860.0	805.7	848.0	869.1	943.1	1107.4	1236.8	1209.4	1184.7
35°	1108.9	1022.1	1016.0	1114.3	1109.2	1100.5	1226.9	1376.7	1335.5	1311.5
37.5°	1256.8	1283.1	1329.0	1426.6	1423.4	1356.7	1384.0	1509.0	1487.8	1456.9
40°	1441.6	1497.3	1575.3	1715.2	1671.5	1587.7	1576.8	1644.5	1627.4	1591.0
42.5°	1550.5	1646.7	1795.4	1921.1	1886.1	1739.7	1727.3	1825.6	1788.1	1748.4
45°	1601.2	1768.4	2060.0	2230.1	2124.1	1840.6	1835.9	2061.8	2040.6	1987.4
47.5°	1624.5	1891.2	2369.7	2627.3	2429.1	1929.1	1912.0	2404.3	2376.6	2313.9
50°	1650.4	2060.7	2742.8	3087.6	2797.5	2029.3	2041.7	2723.5	2711.9	2637.9
52.5°	1707.2	2240.0	3202.4	3613.8	3244.3	2186.4	2264.4	3024.5	2945.8	2860.5
55°	1792.5	2435.3	3680.5	4151.3	3700.1	2397.4	2505.3	3184.5	2963.7	2869.3
57.5°	1698.1	2484.1	3963.6	4526.6	3902.4	2398.1	2301.6	2907.2	2606.6	2515.1
60°	1347.6	2311.0	3854.6	4445.3	3730.0	2129.6	1762.2	2269.9	1974.7	1913.5
62.5°	911.0	1938.2	3393.3	3759.5	3192.5	1675.2	1145.3	1476.2	1222.6	1171.9
65°	499.2	1445.9	2741.8	2844.2	2498.7	1170.1	589.2	640.6	487.9	465.3
67.5°	137.7	1006.5	2017.3	1886.9	1753.1	762.0	152.3	114.4	81.6	80.9
70°	34.6	665.8	1208.7	1245.9	1075.0	487.9	29.2	13.8	10.9	10.6
72.5°	14.6	286.4	573.6	659.2	550.2	225.9	10.6	4.0	3.3	2.6
75°	1.8	23.0	48.8	74.0	50.7	24.4	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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