

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: P630339

Luminaire Tested: GWS-SA1D-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630339
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-SA1D-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3251.5 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

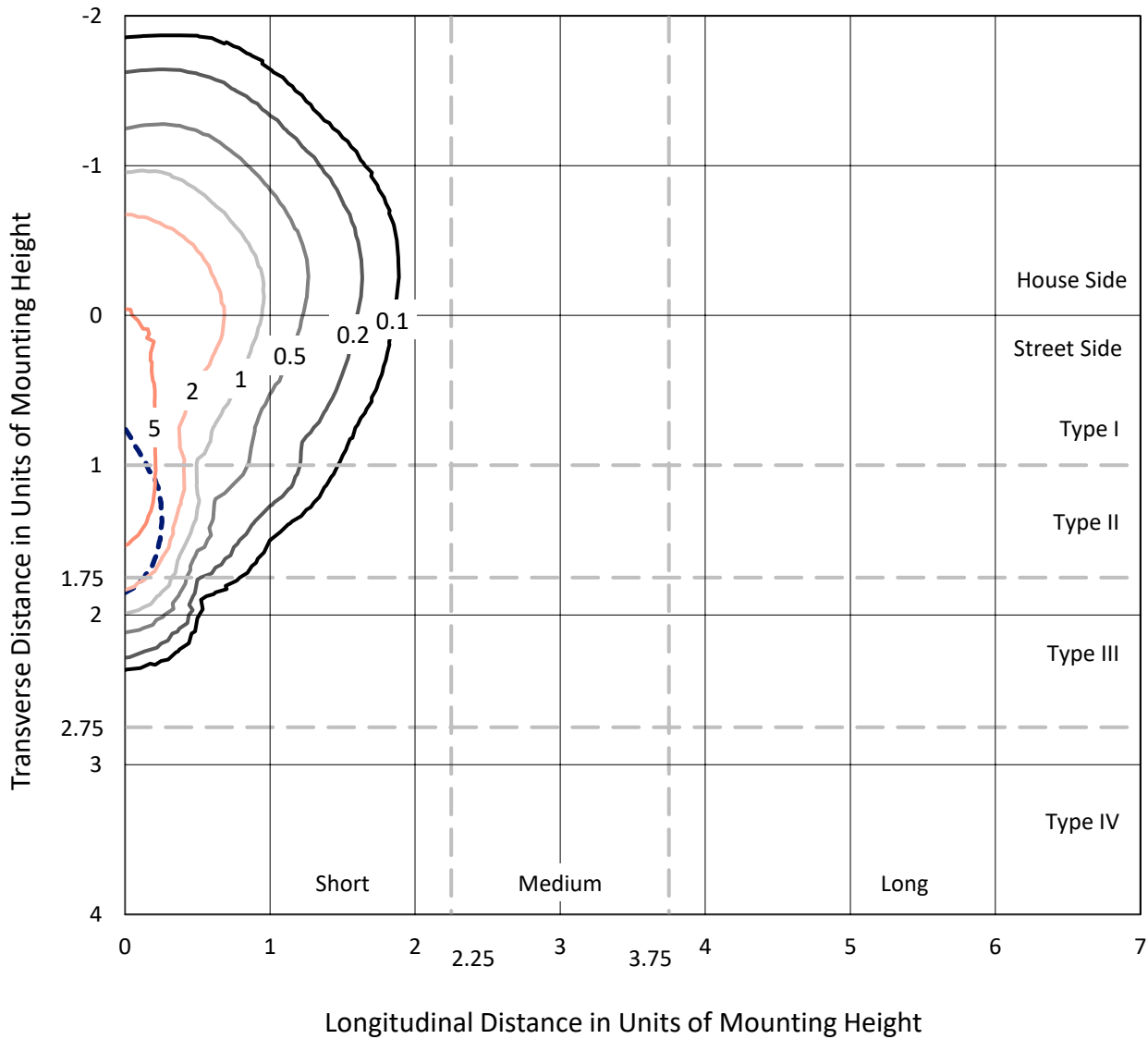
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

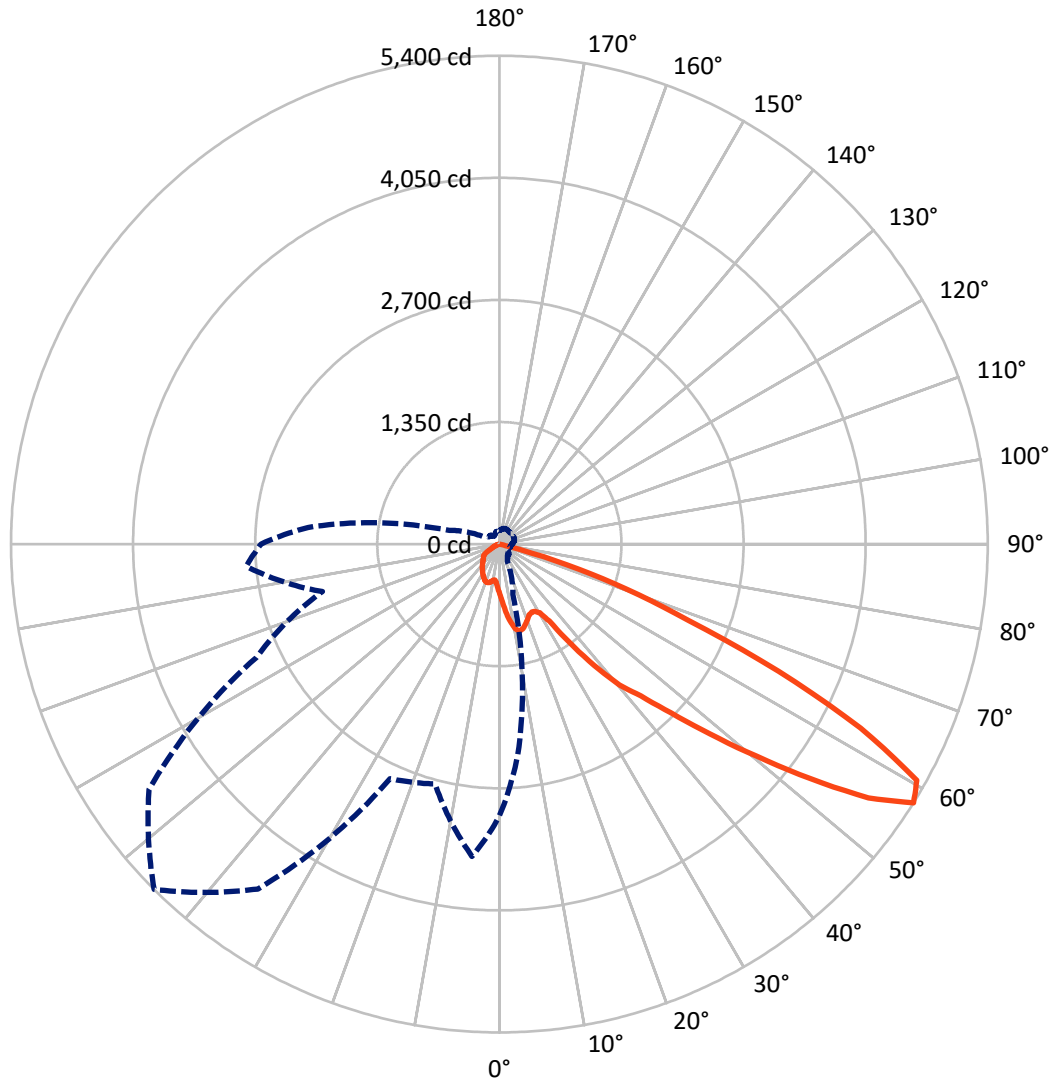
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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	700.5	0.0	700.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2551.0	0.0	2551.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	3251.5	0.0	3251.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	1.7
10°-20°	179.7	5.5
20°-30°	291.6	9.0
30°-40°	447.5	13.8
40°-50°	714.8	22.0
50°-60°	1000.8	30.8
60°-70°	513.1	15.8
70°-80°	49.4	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°	3251.5	100.0
0°-180°	3251.5	100.0

Coefficient of Utilization



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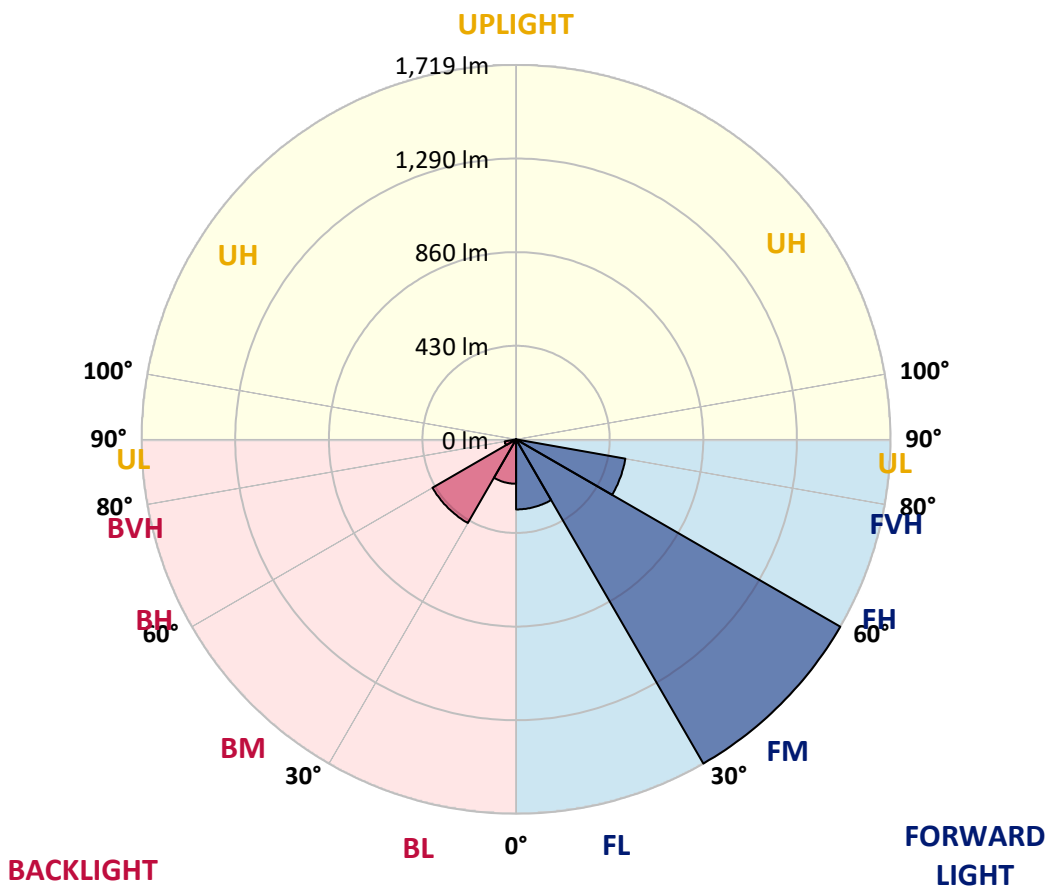
CATALOG NUMBER: GWS-SA1D-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.9	9.9			
FM (30°-60°)	1719.5	52.9			
FH (60°-80°)	509.6	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	204.0	6.3	B1/500		
BM (30°-60°)	443.6	13.6	B1/1000		
BH (60°-80°)	52.9	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°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	613.8	612.5	608.1	593.3	584.2	569.9	559.4	546.0	531.2	522.1	512.9
5°	679.0	675.5	663.8	629.9	603.8	575.5	552.9	528.1	501.6	484.2	468.2
7.5°	741.6	736.3	720.7	663.3	623.8	583.3	551.2	515.1	477.7	451.6	431.6
10°	802.9	791.1	766.3	695.9	642.5	593.8	556.0	514.7	470.8	437.7	415.6
12.5°	853.3	844.6	810.7	726.8	658.1	595.9	549.4	511.2	481.6	459.5	439.0
15°	896.7	887.2	855.0	754.6	671.6	587.3	522.1	488.6	493.4	502.1	484.7
17.5°	936.7	926.7	892.0	777.6	676.8	566.0	483.8	467.7	494.2	526.8	520.3
20°	978.0	966.7	924.1	796.3	675.1	532.5	445.1	449.9	487.3	524.7	528.1
22.5°	1026.3	1014.5	965.0	820.2	673.8	492.5	411.6	434.2	474.2	506.0	512.1
25°	1090.2	1076.3	1021.9	855.4	677.2	456.0	387.7	419.0	452.1	480.8	484.2
27.5°	1174.5	1156.7	1087.6	898.9	684.6	427.3	377.3	398.2	423.8	449.5	452.5
30°	1284.5	1261.9	1162.8	936.7	681.1	407.3	370.3	377.3	392.5	413.4	413.8
32.5°	1413.1	1382.3	1247.1	969.3	651.2	392.5	360.8	356.0	359.5	375.6	378.6
35°	1564.4	1524.4	1340.1	1000.2	596.4	363.8	343.4	327.3	326.0	333.8	341.2
37.5°	1737.8	1690.0	1457.5	1039.8	531.6	333.8	317.8	301.7	294.7	298.6	309.9
40°	1897.8	1844.8	1580.1	1087.6	465.5	306.9	287.8	271.2	263.0	264.3	278.2
42.5°	2085.6	2030.8	1730.0	1150.2	410.8	288.6	256.5	239.5	228.6	234.7	250.8
45°	2370.7	2308.6	1948.7	1204.5	367.3	284.3	229.1	205.2	200.0	210.4	229.5
47.5°	2760.2	2684.1	2249.0	1237.5	330.4	288.2	210.0	177.3	178.7	190.4	209.5
50°	3146.6	3064.5	2596.3	1194.1	299.9	280.4	200.4	155.6	163.9	174.3	191.7
52.5°	3412.2	3305.3	2765.4	1068.4	272.1	250.8	199.5	135.2	150.8	154.3	169.1
55°	3422.7	3291.0	2678.9	842.4	234.3	211.7	190.4	118.2	136.5	137.8	150.4
57.5°	3000.2	2881.1	2341.2	578.6	208.2	155.2	151.7	103.5	112.1	123.0	130.8
60°	2282.5	2181.2	1750.9	265.2	158.2	98.7	103.9	89.1	83.9	100.0	107.8
62.5°	1397.9	1333.2	1050.2	117.4	100.8	52.6	63.0	70.9	63.0	69.1	75.6
65°	555.1	526.4	398.6	50.0	41.3	26.5	28.7	41.3	44.3	48.7	54.8
67.5°	96.5	91.3	66.9	22.2	17.0	16.1	13.9	19.1	27.0	30.0	34.8
70°	12.6	12.2	10.9	9.1	8.7	7.8	6.1	12.2	18.3	19.1	22.2
72.5°	3.0	2.6	2.6	2.2	2.6	0.9	0.9	6.5	13.0	13.5	15.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.3	9.1	10.9
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°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	505.5	496.8	493.8	489.4	483.8	485.5	477.7	475.1	479.0	484.2	482.9
5°	459.5	449.9	443.4	433.4	431.6	427.7	425.1	421.6	426.0	432.1	433.4
7.5°	422.9	414.7	408.2	405.1	402.9	401.2	396.0	393.4	393.4	396.0	398.2
10°	407.3	401.2	399.9	400.8	404.3	403.8	399.0	395.6	391.2	389.0	391.6
12.5°	429.0	419.0	417.3	417.7	422.1	421.6	416.4	412.1	411.2	412.1	420.3
15°	466.0	450.8	439.5	437.3	439.5	438.6	434.7	432.1	433.4	446.0	459.9
17.5°	499.0	475.5	455.1	447.3	446.9	445.5	441.6	440.8	447.3	470.8	491.2
20°	508.6	485.5	456.4	446.4	444.2	442.9	438.6	439.9	448.2	476.4	493.8
22.5°	496.0	473.8	443.4	433.4	431.6	431.2	426.9	428.6	435.5	460.3	474.7
25°	472.1	453.4	421.6	412.9	412.9	412.1	408.2	409.0	413.4	435.1	449.0
27.5°	442.9	425.1	398.6	389.9	391.2	392.5	387.7	386.4	389.9	410.3	418.6
30°	409.5	396.9	376.0	368.2	367.7	373.0	366.4	364.7	369.5	385.6	387.3
32.5°	376.9	370.8	356.0	349.9	350.4	351.2	347.7	347.7	352.1	360.8	360.3
35°	345.1	341.2	338.6	334.3	333.8	332.1	332.1	333.0	337.7	340.8	335.1
37.5°	314.7	318.6	321.7	317.3	313.8	313.8	313.8	317.8	322.1	320.8	311.2
40°	287.8	296.0	305.6	300.8	292.5	292.1	293.8	300.4	306.9	299.1	290.4
42.5°	264.7	275.2	288.6	286.0	276.9	275.6	276.9	285.1	290.4	280.4	270.8
45°	242.1	255.2	271.2	271.2	261.2	259.9	260.4	271.2	274.3	262.5	250.4
47.5°	223.0	237.3	254.3	254.3	246.0	243.4	245.6	256.9	259.1	242.6	231.2
50°	204.7	220.4	239.1	237.8	232.1	229.9	233.9	246.0	243.4	225.2	213.4
52.5°	181.7	198.2	223.9	225.2	222.1	222.6	227.3	235.2	227.8	205.6	195.6
55°	160.8	177.8	203.4	210.4	210.4	210.0	212.1	218.2	212.1	185.6	173.4
57.5°	138.2	152.6	173.9	175.6	176.9	172.1	175.2	183.4	180.4	157.8	150.8
60°	113.5	125.6	137.8	139.1	133.4	123.4	129.1	138.7	140.8	123.9	116.1
62.5°	80.4	92.2	106.5	106.5	100.8	90.8	98.2	106.5	103.5	86.1	81.3
65°	60.0	70.9	81.7	86.5	81.7	74.8	80.4	86.5	81.7	67.4	60.4
67.5°	38.7	46.1	52.6	56.5	57.4	56.5	59.1	57.4	51.7	42.2	38.3
70°	23.5	27.4	30.9	34.3	36.9	38.3	39.6	35.6	30.0	24.8	23.5
72.5°	17.0	20.4	23.5	26.1	29.1	30.0	30.0	27.4	22.2	17.4	16.1
75°	11.7	14.8	17.4	19.1	21.7	22.6	22.6	20.4	16.5	12.6	11.3
77.5°	0.4	3.0	3.0	2.6	3.5	4.3	4.3	5.2	4.8	3.5	3.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	485.5	501.2	505.5	521.6	536.0	550.3	567.7	578.1	593.8	604.6	610.7
5°	437.7	450.8	466.4	490.3	515.1	542.5	575.5	604.2	640.3	666.8	675.5
7.5°	402.9	419.9	438.2	468.2	502.1	538.6	585.1	632.0	687.2	723.3	746.3
10°	396.4	413.8	438.2	467.7	503.4	545.1	602.0	662.9	732.0	775.9	802.0
12.5°	427.7	446.4	456.8	470.3	497.3	543.8	616.8	694.2	775.5	823.3	851.1
15°	473.8	490.3	473.4	456.4	473.8	529.9	625.1	720.3	813.7	868.9	897.6
17.5°	505.5	506.8	469.9	433.8	438.6	504.7	628.1	746.3	854.6	912.4	942.4
20°	502.5	492.1	454.7	414.7	399.9	472.1	624.6	769.4	895.9	956.3	985.9
22.5°	479.0	466.8	435.1	396.0	367.3	433.4	618.5	790.2	933.7	1002.4	1030.2
25°	450.8	437.7	411.6	377.3	346.4	396.0	613.8	818.9	981.5	1062.4	1084.1
27.5°	417.7	406.4	384.3	359.5	337.7	367.7	612.5	856.8	1039.3	1135.4	1150.6
30°	385.6	375.1	357.7	343.4	334.3	351.2	608.1	897.2	1108.4	1219.3	1235.8
32.5°	354.7	344.3	333.4	331.2	331.7	345.1	593.3	937.2	1190.6	1341.0	1353.2
35°	328.2	316.0	311.7	316.9	326.4	334.7	551.6	970.2	1278.8	1473.6	1483.6
37.5°	303.0	290.8	290.4	303.0	313.4	318.6	502.5	1002.8	1397.9	1608.3	1620.9
40°	279.9	267.8	272.1	287.3	295.6	298.2	442.9	1052.4	1524.0	1750.5	1743.5
42.5°	260.4	247.8	250.4	269.9	277.3	284.3	388.2	1093.7	1645.3	1885.2	1883.0
45°	241.2	231.7	229.9	251.2	257.8	285.6	348.2	1125.4	1801.3	2056.9	2060.4
47.5°	222.6	215.2	215.6	224.7	240.8	292.1	314.3	1146.3	2027.8	2329.0	2268.6
50°	205.6	200.0	204.7	194.3	229.9	283.8	285.1	1141.9	2280.8	2589.8	2468.5
52.5°	186.9	185.6	187.8	162.6	212.6	250.4	257.8	1084.1	2399.4	2768.0	2698.9
55°	167.8	167.4	150.0	130.0	177.8	200.0	220.8	904.6	2395.5	2862.8	2946.7
57.5°	145.2	141.7	113.9	106.1	138.2	139.1	201.3	592.5	2123.0	2635.9	2809.8
60°	110.0	107.4	83.5	86.1	96.5	89.1	160.4	295.1	1586.6	2053.4	2249.5
62.5°	76.1	72.6	62.2	66.5	62.2	50.9	98.2	146.1	961.1	1296.6	1474.4
65°	55.6	51.7	42.6	36.5	29.1	29.1	37.4	56.1	372.1	551.2	664.6
67.5°	34.3	32.6	25.2	18.3	17.8	19.1	19.6	27.8	60.0	95.6	116.9
70°	22.2	20.4	17.0	11.7	10.9	11.3	11.7	13.0	15.2	16.5	20.0
72.5°	15.2	14.3	12.2	6.5	5.2	5.7	6.1	6.1	7.4	7.0	8.3
75°	10.9	10.0	8.7	3.0	1.7	2.2	2.6	2.2	2.6	1.7	2.2
77.5°	3.0	3.0	2.2	0.4	0.0	0.4	0.9	0.9	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-SA1D-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	626.4	636.4	640.3	634.6	639.4	631.6	628.5	616.8	615.9	613.8
5°	710.7	733.3	746.8	755.0	745.5	735.0	719.4	692.4	684.2	679.0
7.5°	793.7	828.9	852.0	862.8	860.2	838.9	810.7	765.5	749.4	741.6
10°	865.9	908.9	936.7	950.2	944.6	925.9	885.4	828.9	807.6	802.9
12.5°	916.3	955.9	975.0	986.7	987.2	979.8	941.5	884.6	859.4	853.3
15°	948.0	965.0	965.4	972.4	984.5	1001.1	983.2	932.8	905.9	896.7
17.5°	968.0	949.3	930.2	932.0	951.9	995.9	1014.1	975.4	946.7	936.7
20°	982.4	923.3	887.6	888.1	908.5	975.0	1035.4	1016.7	987.2	978.0
22.5°	991.5	900.2	849.4	848.1	869.8	950.2	1055.0	1065.8	1036.7	1026.3
25°	1010.2	889.4	826.3	833.7	852.8	942.4	1081.5	1131.0	1104.1	1090.2
27.5°	1043.7	900.2	824.2	841.1	862.8	965.4	1127.6	1218.0	1190.2	1174.5
30°	1101.5	941.1	857.6	881.1	907.2	1025.8	1204.9	1339.2	1299.3	1284.5
32.5°	1194.5	1025.8	961.1	1011.5	1036.7	1125.0	1321.0	1475.3	1442.7	1413.1
35°	1322.7	1219.3	1211.9	1329.3	1323.2	1312.7	1463.6	1642.2	1593.1	1564.4
37.5°	1499.2	1530.5	1585.3	1701.8	1697.9	1618.3	1650.9	1800.0	1774.8	1737.8
40°	1719.6	1786.1	1879.1	2046.0	1993.9	1893.9	1880.9	1961.7	1941.3	1897.8
42.5°	1849.6	1964.3	2141.7	2291.6	2249.9	2075.2	2060.4	2177.7	2133.0	2085.6
45°	1910.0	2109.5	2457.2	2660.2	2533.7	2195.6	2189.9	2459.4	2434.2	2370.7
47.5°	1937.8	2256.0	2826.7	3134.0	2897.6	2301.2	2280.8	2868.0	2835.0	2760.2
50°	1968.7	2458.1	3271.8	3683.0	3337.0	2420.7	2435.5	3248.8	3234.9	3146.6
52.5°	2036.5	2672.0	3820.0	4310.7	3870.0	2608.1	2701.1	3607.8	3514.0	3412.2
55°	2138.2	2905.0	4390.3	4951.9	4413.7	2859.8	2988.4	3798.7	3535.3	3422.7
57.5°	2025.6	2963.2	4728.0	5399.6	4655.0	2860.6	2745.4	3467.9	3109.3	3000.2
60°	1607.4	2756.7	4598.0	5302.7	4449.4	2540.3	2102.1	2707.6	2355.5	2282.5
62.5°	1086.7	2312.1	4047.7	4484.6	3808.2	1998.2	1366.2	1760.9	1458.4	1397.9
65°	595.5	1724.8	3270.5	3392.7	2980.6	1395.8	702.9	764.2	582.0	555.1
67.5°	164.3	1200.6	2406.4	2250.8	2091.2	908.9	181.7	136.5	97.4	96.5
70°	41.3	794.2	1441.8	1486.2	1282.3	582.0	34.8	16.5	13.0	12.6
72.5°	17.4	341.7	684.2	786.3	656.4	269.5	12.6	4.8	3.9	3.0
75°	2.2	27.4	58.2	88.2	60.4	29.1	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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