

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: P630394

Luminaire Tested: GWS-SA1D-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630394
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3326 lumens
Efficiency: N/A
Efficacy: 75.1 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

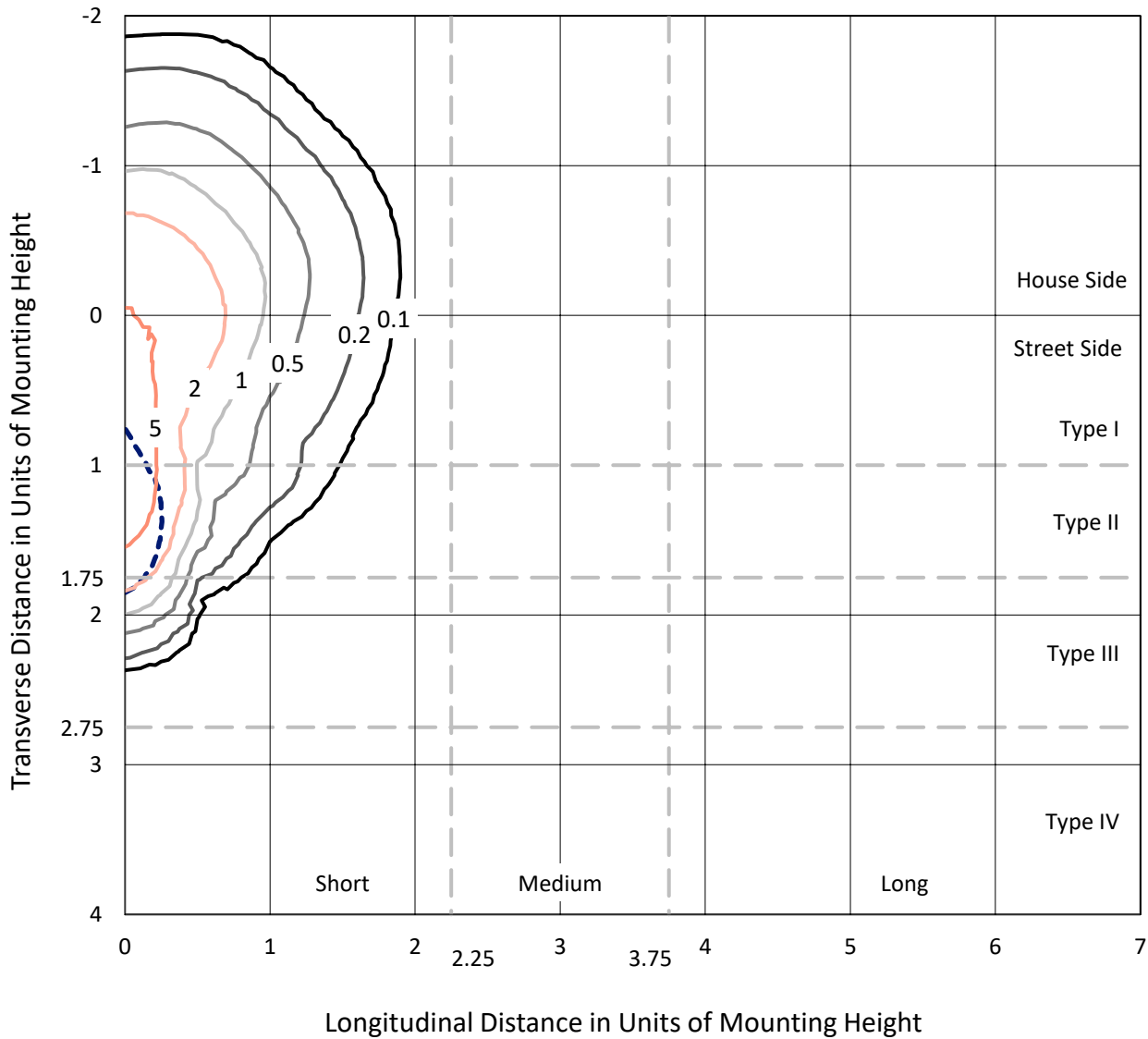
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

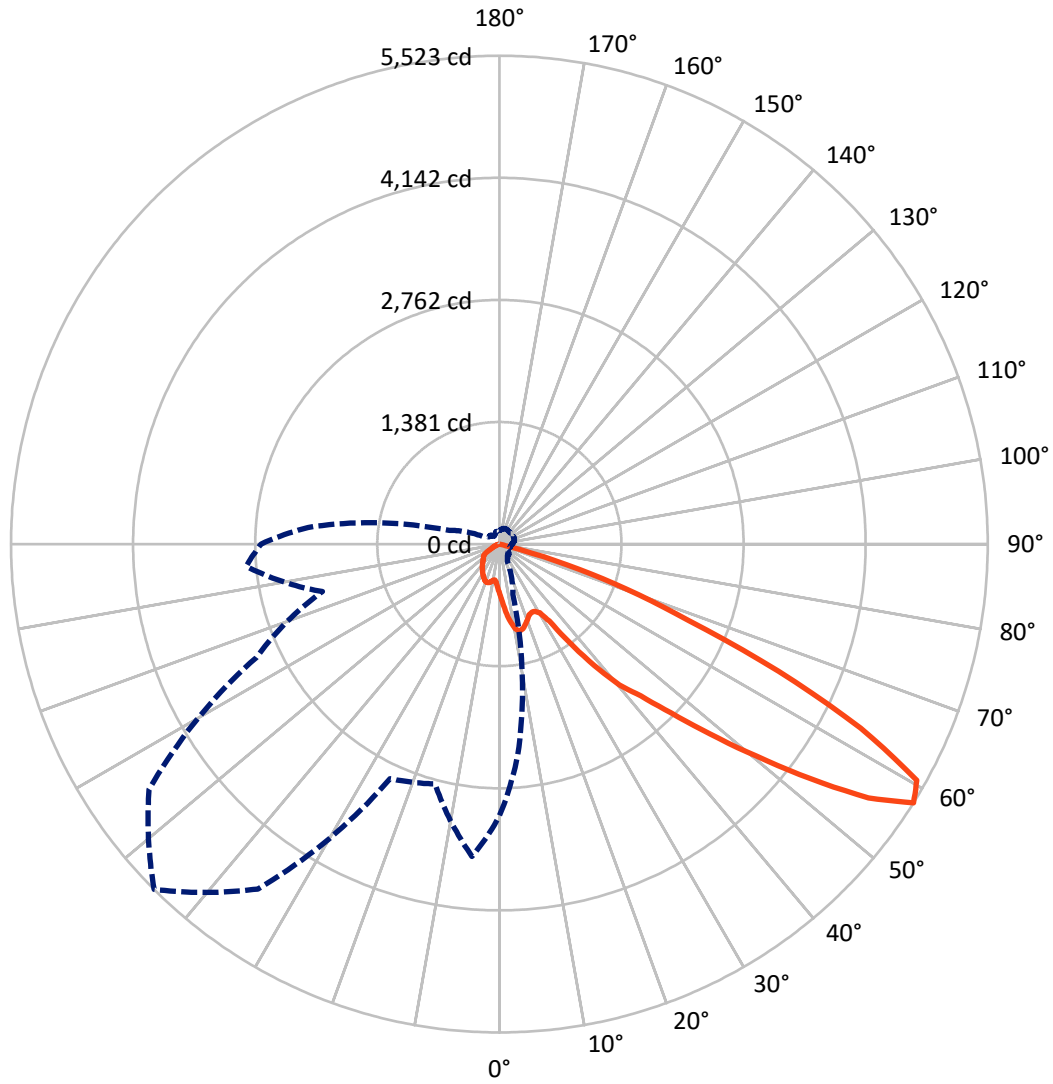
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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	716.5	0.0	716.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2609.5	0.0	2609.5
	% Fixture	78.5	0.0	78.5
Total	Lumens	3326.0	0.0	3326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.7
10°-20°	183.8	5.5
20°-30°	298.3	9.0
30°-40°	457.8	13.8
40°-50°	731.1	22.0
50°-60°	1023.7	30.8
60°-70°	524.9	15.8
70°-80°	50.5	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°	3326.0	100.0
0°-180°	3326.0	100.0

Coefficient of Utilization



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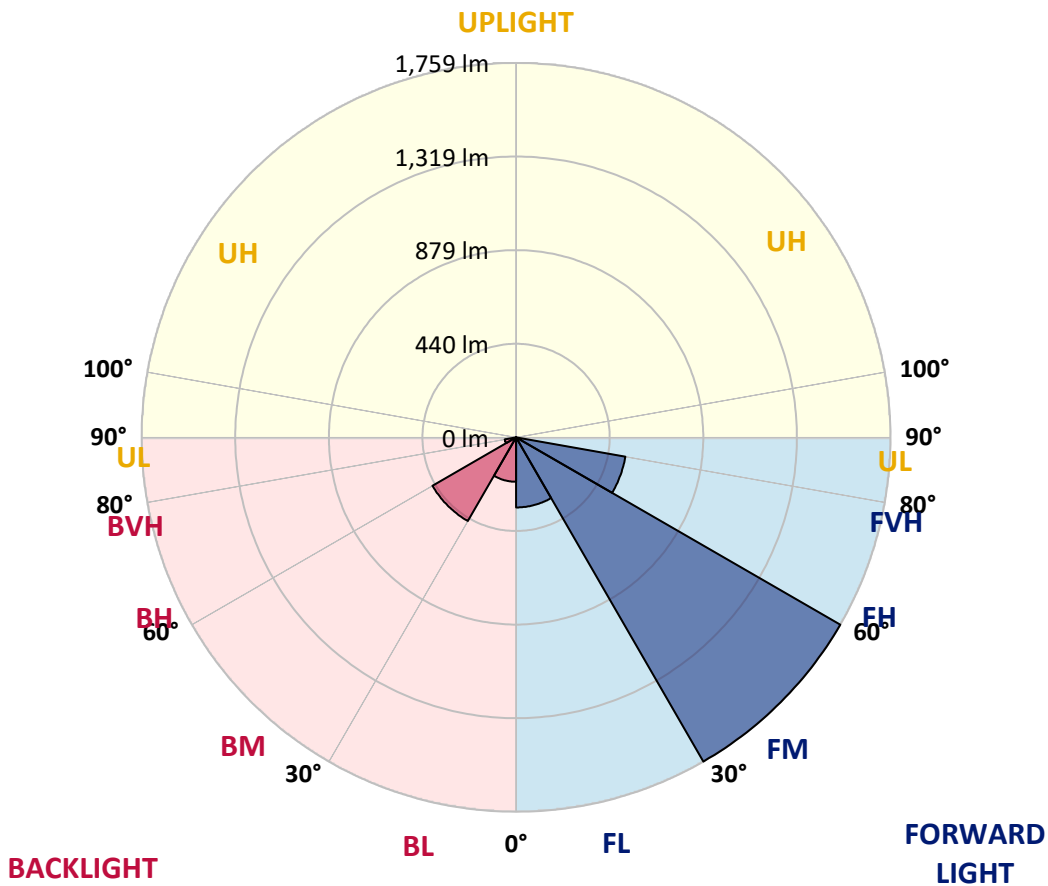
CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.3	9.9			
FM (30°-60°)	1758.9	52.9			
FH (60°-80°)	521.3	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	208.6	6.3	B1/500		
BM (30°-60°)	453.8	13.6	B1/1000		
BH (60°-80°)	54.1	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°	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1
2.5°	627.8	626.5	622.1	606.9	597.6	582.9	572.3	558.5	543.3	534.0	524.7
5°	694.5	691.0	679.0	644.3	617.6	588.7	565.6	540.2	513.1	495.3	478.9
7.5°	758.6	753.2	737.2	678.5	638.1	596.7	563.8	526.9	488.7	462.0	441.5
10°	821.2	809.2	783.9	711.9	657.2	607.4	568.7	526.5	481.5	447.8	425.1
12.5°	872.8	863.9	829.3	743.4	673.2	609.6	562.0	522.9	492.7	470.0	449.1
15°	917.3	907.5	874.6	771.9	687.0	600.7	534.0	499.8	504.7	513.6	495.8
17.5°	958.2	948.0	912.4	795.5	692.3	578.9	494.9	478.4	505.6	538.9	532.2
20°	1000.4	988.9	945.3	814.6	690.5	544.7	455.3	460.2	498.4	536.7	540.2
22.5°	1049.8	1037.8	987.1	839.0	689.2	503.8	421.1	444.2	485.1	517.6	523.8
25°	1115.2	1100.9	1045.3	875.1	692.7	466.4	396.6	428.6	462.4	491.8	495.3
27.5°	1201.4	1183.2	1112.5	919.5	700.3	437.1	385.9	407.3	433.5	459.8	462.9
30°	1313.9	1290.8	1189.4	958.2	696.7	416.6	378.8	385.9	401.5	422.9	423.3
32.5°	1445.5	1414.0	1275.7	991.5	666.1	401.5	369.1	364.2	367.7	384.2	387.3
35°	1600.3	1559.4	1370.8	1023.1	610.0	372.2	351.3	334.8	333.5	341.5	349.0
37.5°	1777.7	1728.8	1490.9	1063.6	543.8	341.5	325.0	308.6	301.5	305.5	317.0
40°	1941.3	1887.0	1616.3	1112.5	476.2	313.9	294.4	277.5	269.0	270.3	284.6
42.5°	2133.4	2077.4	1769.7	1176.5	420.2	295.2	262.3	245.0	233.9	240.1	256.6
45°	2425.1	2361.5	1993.3	1232.1	375.7	290.8	234.3	209.9	204.5	215.2	234.8
47.5°	2823.5	2745.6	2300.6	1265.9	337.9	294.8	214.8	181.4	182.7	194.8	214.3
50°	3218.7	3134.7	2655.8	1221.4	306.8	286.8	205.0	159.2	167.6	178.3	196.1
52.5°	3490.4	3381.0	2828.8	1092.9	278.3	256.6	204.1	138.3	154.3	157.8	173.0
55°	3501.1	3366.4	2740.3	861.7	239.7	216.5	194.8	120.9	139.6	141.0	153.8
57.5°	3068.9	2947.1	2394.8	591.8	213.0	158.7	155.2	105.8	114.7	125.8	133.8
60°	2334.8	2231.2	1791.0	271.2	161.8	100.9	106.3	91.2	85.8	102.3	110.3
62.5°	1430.0	1363.7	1074.2	120.1	103.2	53.8	64.5	72.5	64.5	70.7	77.4
65°	567.8	538.5	407.7	51.1	42.2	27.1	29.3	42.2	45.4	49.8	56.0
67.5°	98.7	93.4	68.5	22.7	17.3	16.5	14.2	19.6	27.6	30.7	35.6
70°	12.9	12.4	11.1	9.3	8.9	8.0	6.2	12.4	18.7	19.6	22.7
72.5°	3.1	2.7	2.7	2.2	2.7	0.9	0.9	6.7	13.3	13.8	16.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.4	9.3	11.1
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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CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1
2.5°	517.1	508.2	505.1	500.7	494.9	496.7	488.7	486.0	490.0	495.3	494.0
5°	470.0	460.2	453.5	443.3	441.5	437.5	434.9	431.3	435.7	442.0	443.3
7.5°	432.6	424.2	417.5	414.4	412.2	410.4	405.1	402.4	402.4	405.1	407.3
10°	416.6	410.4	409.1	410.0	413.5	413.1	408.2	404.6	400.2	398.0	400.6
12.5°	438.9	428.6	426.9	427.3	431.7	431.3	426.0	421.5	420.6	421.5	430.0
15°	476.7	461.1	449.5	447.3	449.5	448.6	444.6	442.0	443.3	456.2	470.4
17.5°	510.4	486.4	465.5	457.5	457.1	455.8	451.8	450.9	457.5	481.5	502.4
20°	520.2	496.7	466.9	456.6	454.4	453.1	448.6	450.0	458.4	487.3	505.1
22.5°	507.3	484.7	453.5	443.3	441.5	441.1	436.6	438.4	445.5	470.9	485.5
25°	482.9	463.8	431.3	422.4	422.4	421.5	417.5	418.4	422.9	445.1	459.3
27.5°	453.1	434.9	407.7	398.8	400.2	401.5	396.6	395.3	398.8	419.7	428.2
30°	418.9	406.0	384.6	376.6	376.2	381.5	374.8	373.1	377.9	394.4	396.2
32.5°	385.5	379.3	364.2	357.9	358.4	359.3	355.7	355.7	360.2	369.1	368.6
35°	353.0	349.0	346.4	341.9	341.5	339.7	339.7	340.6	345.5	348.6	342.8
37.5°	321.9	325.9	329.0	324.6	321.0	321.0	321.0	325.0	329.5	328.1	318.4
40°	294.4	302.8	312.6	307.7	299.2	298.8	300.6	307.2	313.9	305.9	297.0
42.5°	270.8	281.5	295.2	292.6	283.2	281.9	283.2	291.7	297.0	286.8	277.0
45°	247.7	261.0	277.5	277.5	267.2	265.9	266.3	277.5	280.6	268.6	256.1
47.5°	228.1	242.8	260.1	260.1	251.7	249.0	251.2	262.8	265.0	248.1	236.5
50°	209.4	225.4	244.6	243.2	237.4	235.2	239.2	251.7	249.0	230.3	218.3
52.5°	185.9	202.8	229.0	230.3	227.2	227.7	232.5	240.5	233.0	210.3	200.1
55°	164.5	181.9	208.1	215.2	215.2	214.8	217.0	223.2	217.0	189.9	177.4
57.5°	141.4	156.1	177.9	179.6	181.0	176.1	179.2	187.6	184.5	161.4	154.3
60°	116.1	128.5	141.0	142.3	136.5	126.3	132.1	141.8	144.1	126.7	118.7
62.5°	82.3	94.3	108.9	108.9	103.2	92.9	100.5	108.9	105.8	88.0	83.1
65°	61.4	72.5	83.6	88.5	83.6	76.5	82.3	88.5	83.6	68.9	61.8
67.5°	39.6	47.1	53.8	57.8	58.7	57.8	60.5	58.7	52.9	43.1	39.1
70°	24.0	28.0	31.6	35.1	37.8	39.1	40.5	36.5	30.7	25.3	24.0
72.5°	17.3	20.9	24.0	26.7	29.8	30.7	30.7	28.0	22.7	17.8	16.5
75°	12.0	15.1	17.8	19.6	22.2	23.1	23.1	20.9	16.9	12.9	11.6
77.5°	0.4	3.1	3.1	2.7	3.6	4.4	4.4	5.3	4.9	3.6	3.1
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°	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1
2.5°	496.7	512.7	517.1	533.6	548.2	562.9	580.7	591.4	607.4	618.5	624.7
5°	447.8	461.1	477.1	501.6	526.9	554.9	588.7	618.0	655.0	682.1	691.0
7.5°	412.2	429.5	448.2	478.9	513.6	550.9	598.5	646.5	703.0	739.9	763.4
10°	405.5	423.3	448.2	478.4	514.9	557.6	615.8	678.1	748.8	793.7	820.4
12.5°	437.5	456.6	467.3	481.1	508.7	556.2	630.9	710.1	793.2	842.1	870.6
15°	484.7	501.6	484.2	466.9	484.7	542.0	639.4	736.8	832.4	888.8	918.2
17.5°	517.1	518.4	480.7	443.8	448.6	516.2	642.5	763.4	874.2	933.3	964.0
20°	514.0	503.3	465.1	424.2	409.1	482.9	638.9	787.0	916.4	978.2	1008.4
22.5°	490.0	477.5	445.1	405.1	375.7	443.3	632.7	808.4	955.1	1025.3	1053.8
25°	461.1	447.8	421.1	385.9	354.4	405.1	627.8	837.7	1004.0	1086.7	1108.9
27.5°	427.3	415.7	393.1	367.7	345.5	376.2	626.5	876.4	1063.1	1161.4	1177.0
30°	394.4	383.7	365.9	351.3	341.9	359.3	622.1	917.7	1133.8	1247.2	1264.1
32.5°	362.8	352.2	341.0	338.8	339.3	353.0	606.9	958.6	1217.9	1371.7	1384.2
35°	335.7	323.3	318.8	324.1	333.9	342.4	564.2	992.4	1308.1	1507.3	1517.6
37.5°	309.9	297.5	297.0	309.9	320.6	325.9	514.0	1025.8	1430.0	1645.2	1658.1
40°	286.3	273.9	278.3	293.9	302.4	305.0	453.1	1076.5	1558.9	1790.6	1783.4
42.5°	266.3	253.4	256.1	276.1	283.7	290.8	397.1	1118.7	1683.0	1928.4	1926.2
45°	246.8	237.0	235.2	257.0	263.7	292.1	356.2	1151.2	1842.6	2104.0	2107.6
47.5°	227.7	220.1	220.5	229.9	246.3	298.8	321.5	1172.5	2074.2	2382.4	2320.6
50°	210.3	204.5	209.4	198.8	235.2	290.3	291.7	1168.1	2333.0	2649.2	2525.1
52.5°	191.2	189.9	192.1	166.3	217.4	256.1	263.7	1108.9	2454.4	2831.5	2760.8
55°	171.6	171.2	153.4	132.9	181.9	204.5	225.9	925.3	2450.4	2928.4	3014.2
57.5°	148.5	145.0	116.5	108.5	141.4	142.3	205.9	606.0	2171.6	2696.3	2874.1
60°	112.5	109.8	85.4	88.0	98.7	91.2	164.1	301.9	1622.9	2100.5	2301.0
62.5°	77.8	74.3	63.6	68.0	63.6	52.0	100.5	149.4	983.1	1326.4	1508.2
65°	56.9	52.9	43.6	37.3	29.8	29.8	38.2	57.4	380.6	563.8	679.9
67.5°	35.1	33.3	25.8	18.7	18.2	19.6	20.0	28.5	61.4	97.8	119.6
70°	22.7	20.9	17.3	12.0	11.1	11.6	12.0	13.3	15.6	16.9	20.5
72.5°	15.6	14.7	12.4	6.7	5.3	5.8	6.2	6.2	7.6	7.1	8.4
75°	11.1	10.2	8.9	3.1	1.8	2.2	2.7	2.2	2.7	1.8	2.2
77.5°	3.1	3.1	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-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1
2.5°	640.7	651.0	655.0	649.2	654.1	646.1	642.9	630.9	630.1	627.8
5°	727.0	750.1	763.9	772.3	762.6	751.9	735.9	708.3	699.9	694.5
7.5°	811.9	847.9	871.5	882.6	879.9	858.2	829.3	783.0	766.6	758.6
10°	885.7	929.7	958.2	972.0	966.2	947.1	905.7	847.9	826.1	821.2
12.5°	937.3	977.8	997.3	1009.3	1009.8	1002.2	963.1	904.8	879.1	872.8
15°	969.8	987.1	987.5	994.7	1007.1	1024.0	1005.8	954.2	926.6	917.3
17.5°	990.2	971.1	951.5	953.3	973.8	1018.7	1037.3	997.8	968.4	958.2
20°	1004.9	944.4	908.0	908.4	929.3	997.3	1059.1	1040.0	1009.8	1000.4
22.5°	1014.2	920.8	868.8	867.5	889.7	972.0	1079.1	1090.3	1060.5	1049.8
25°	1033.3	909.7	845.3	852.8	872.4	964.0	1106.3	1157.0	1129.4	1115.2
27.5°	1067.6	920.8	843.0	860.4	882.6	987.5	1153.4	1245.9	1217.4	1201.4
30°	1126.7	962.6	877.3	901.3	928.0	1049.3	1232.5	1369.9	1329.0	1313.9
32.5°	1221.9	1049.3	983.1	1034.7	1060.5	1150.7	1351.3	1509.1	1475.8	1445.5
35°	1353.0	1247.2	1239.7	1359.7	1353.5	1342.8	1497.1	1679.8	1629.6	1600.3
37.5°	1533.6	1565.6	1621.6	1740.8	1736.8	1655.4	1688.7	1841.3	1815.5	1777.7
40°	1759.0	1827.0	1922.2	2092.9	2039.6	1937.3	1924.0	2006.7	1985.8	1941.3
42.5°	1891.9	2009.3	2190.7	2344.1	2301.5	2122.7	2107.6	2227.6	2181.8	2133.4
45°	1953.7	2157.8	2513.5	2721.2	2591.8	2245.9	2240.1	2515.8	2490.0	2425.1
47.5°	1982.2	2307.7	2891.5	3205.9	2964.0	2353.9	2333.0	2933.7	2899.9	2823.5
50°	2013.8	2514.4	3346.8	3767.4	3413.5	2476.2	2491.3	3323.2	3309.0	3218.7
52.5°	2083.1	2733.2	3907.5	4409.5	3958.6	2667.8	2763.0	3690.5	3594.5	3490.4
55°	2187.2	2971.5	4490.9	5065.3	4514.9	2925.3	3056.9	3885.7	3616.3	3501.1
57.5°	2072.0	3031.1	4836.3	5523.3	4761.6	2926.2	2808.3	3547.3	3180.5	3068.9
60°	1644.3	2819.9	4703.4	5424.2	4551.3	2598.5	2150.3	2769.7	2409.5	2334.8
62.5°	1111.6	2365.0	4140.5	4587.3	3895.5	2044.0	1397.5	1801.2	1491.8	1430.0
65°	609.2	1764.3	3345.5	3470.4	3048.9	1427.7	719.0	781.7	595.4	567.8
67.5°	168.1	1228.1	2461.5	2302.3	2139.2	929.7	185.9	139.6	99.6	98.7
70°	42.2	812.4	1474.9	1520.2	1311.7	595.4	35.6	16.9	13.3	12.9
72.5°	17.8	349.5	699.9	804.4	671.4	275.7	12.9	4.9	4.0	3.1
75°	2.2	28.0	59.6	90.3	61.8	29.8	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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