

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: P632704

Luminaire Tested: GWS-SA2D-730-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632704
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-SA2D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5701.3 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

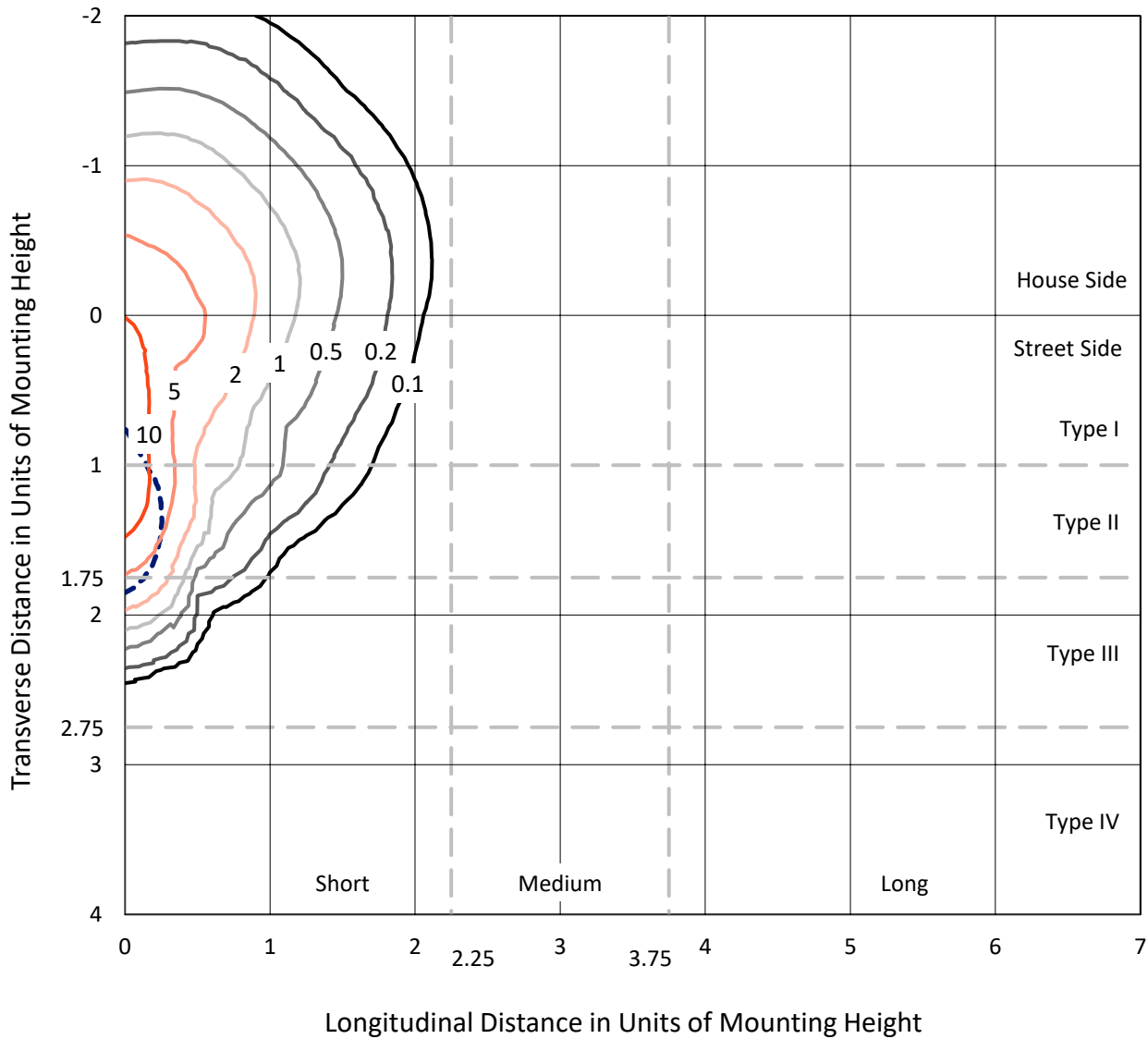
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

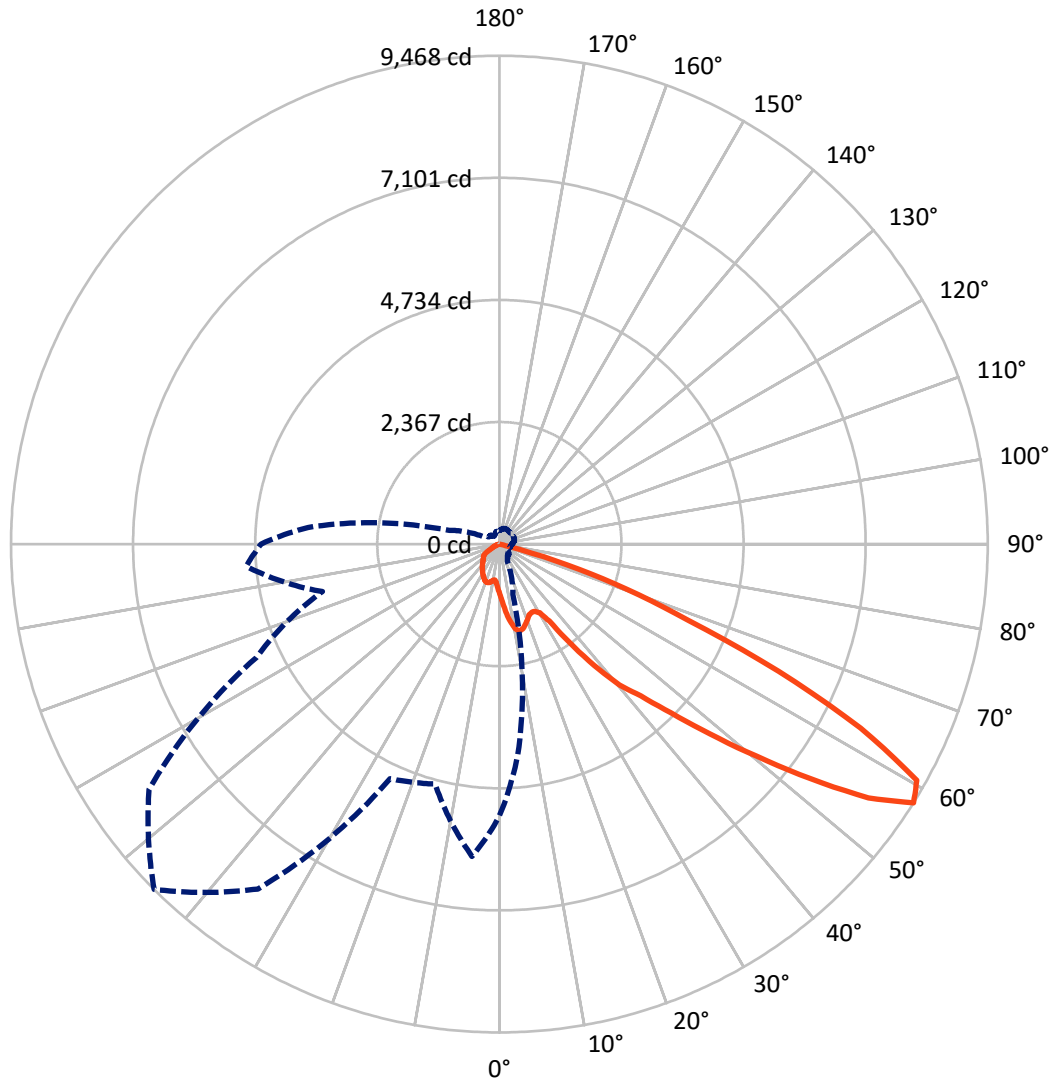
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 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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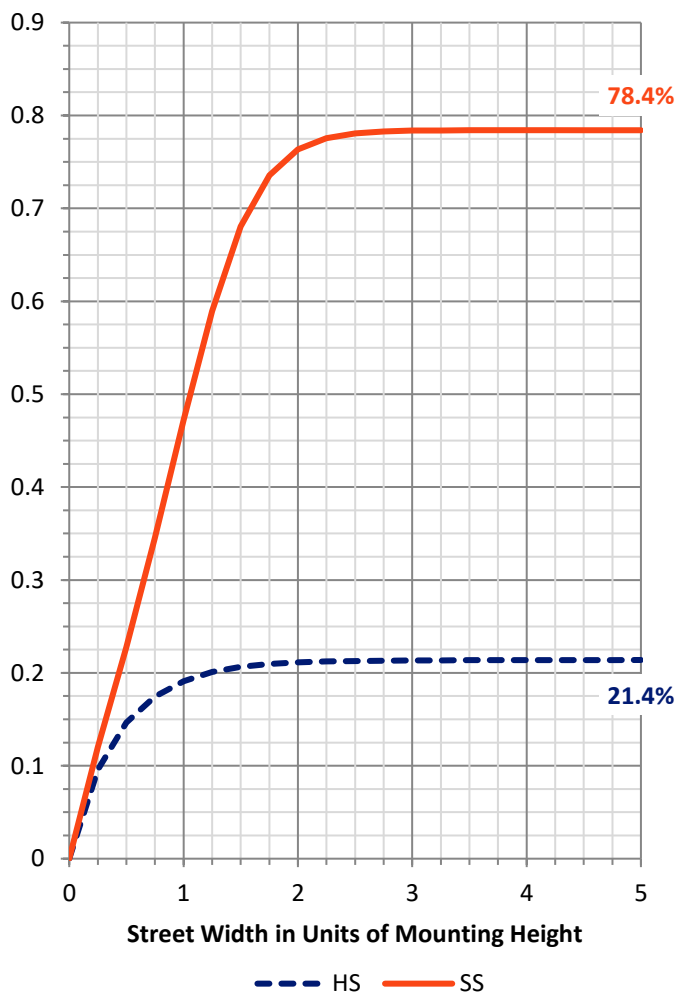
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1228.3	0.0	1228.3
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4473.0	0.0	4473.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	5701.3	0.0	5701.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	1.7
10°-20°	315.1	5.5
20°-30°	511.3	9.0
30°-40°	784.7	13.8
40°-50°	1253.3	22.0
50°-60°	1754.8	30.8
60°-70°	899.7	15.8
70°-80°	86.6	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°	5701.3	100.0
0°-180°	5701.3	100.0

Coefficient of Utilization



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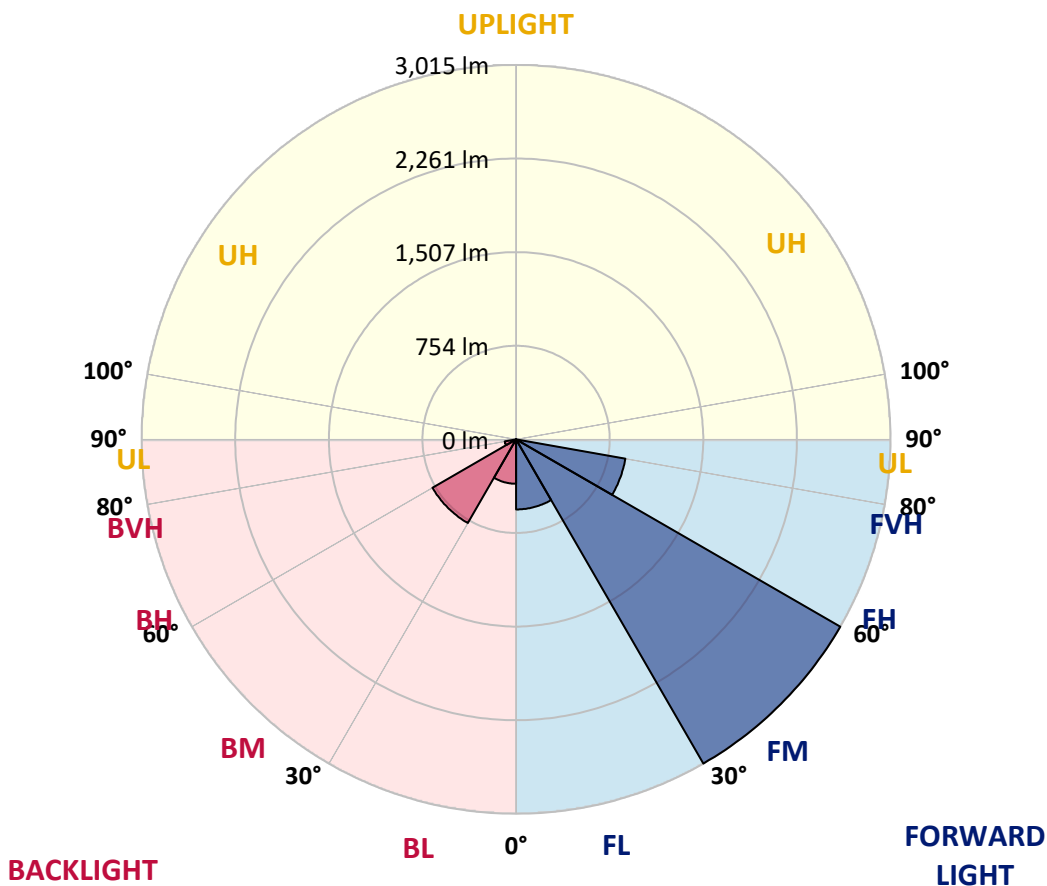
CATALOG NUMBER: GWS-SA2D-730-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.5	9.9			
FM (30°-60°)	3015.0	52.9			
FH (60°-80°)	893.6	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	357.6	6.3	B1/500		
BM (30°-60°)	777.8	13.6	B1/1000		
BH (60°-80°)	92.8	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7
2.5°	1076.2	1073.9	1066.3	1040.4	1024.4	999.2	980.9	957.3	931.4	915.4	899.4
5°	1190.5	1184.4	1163.9	1104.4	1058.7	1009.1	969.5	926.1	879.6	849.1	820.9
7.5°	1300.3	1291.1	1263.7	1163.1	1093.7	1022.9	966.4	903.2	837.6	791.9	756.8
10°	1407.8	1387.2	1343.7	1220.3	1126.5	1041.1	974.8	902.4	825.4	767.5	728.6
12.5°	1496.2	1480.9	1421.5	1274.4	1153.9	1045.0	963.4	896.3	844.5	805.6	769.8
15°	1572.4	1555.6	1499.2	1323.2	1177.6	1029.7	915.4	856.7	865.1	880.3	849.8
17.5°	1642.5	1625.0	1564.0	1363.5	1186.7	992.4	848.3	820.1	866.6	923.8	912.3
20°	1714.9	1695.1	1620.4	1396.3	1183.7	933.7	780.5	788.9	854.4	920.0	926.1
22.5°	1799.5	1778.9	1692.0	1438.2	1181.4	863.6	721.8	761.4	831.5	887.2	897.9
25°	1911.6	1887.2	1791.9	1500.0	1187.5	799.5	679.9	734.7	792.7	843.0	849.1
27.5°	2059.4	2028.2	1907.0	1576.2	1200.4	749.2	661.6	698.2	743.1	788.1	793.4
30°	2252.3	2212.6	2038.8	1642.5	1194.3	714.2	649.4	661.6	688.3	724.8	725.6
32.5°	2477.9	2423.7	2186.7	1699.7	1141.8	688.3	632.6	624.2	630.3	658.5	663.9
35°	2743.1	2673.0	2349.8	1753.8	1045.7	637.9	602.1	573.9	571.6	585.4	598.3
37.5°	3047.2	2963.4	2555.6	1823.1	932.2	585.4	557.2	529.0	516.8	523.6	543.4
40°	3327.7	3234.7	2770.5	1907.0	816.3	538.1	504.6	475.6	461.1	463.4	487.8
42.5°	3657.0	3560.9	3033.5	2016.7	720.3	506.1	449.7	420.0	400.9	411.6	439.8
45°	4156.9	4048.0	3416.9	2112.0	644.0	498.5	401.7	359.8	350.6	368.9	402.4
47.5°	4839.9	4706.5	3943.5	2169.9	579.3	505.3	368.1	311.0	313.3	333.8	367.4
50°	5517.4	5373.4	4552.5	2093.7	525.9	491.6	351.4	272.9	287.3	305.6	336.1
52.5°	5983.1	5795.6	4849.0	1873.4	477.1	439.8	349.8	237.0	264.5	270.6	296.5
55°	6001.4	5770.5	4697.3	1477.1	410.8	371.2	333.8	207.3	239.3	241.6	263.7
57.5°	5260.6	5051.8	4105.1	1014.5	365.1	272.1	266.0	181.4	196.6	215.7	229.4
60°	4002.2	3824.6	3070.1	464.9	277.4	173.0	182.2	156.2	147.1	175.3	189.0
62.5°	2451.2	2337.6	1841.4	205.8	176.8	92.2	110.5	124.2	110.5	121.2	132.6
65°	973.3	923.0	698.9	87.7	72.4	46.5	50.3	72.4	77.7	85.4	96.0
67.5°	169.2	160.1	117.4	38.9	29.7	28.2	24.4	33.5	47.3	52.6	61.0
70°	22.1	21.3	19.1	16.0	15.2	13.7	10.7	21.3	32.0	33.5	38.9
72.5°	5.3	4.6	4.6	3.8	4.6	1.5	1.5	11.4	22.9	23.6	27.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14.5	16.0	19.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7
2.5°	886.4	871.2	865.8	858.2	848.3	851.4	837.6	833.1	839.9	849.1	846.8
5°	805.6	788.9	777.4	759.9	756.8	750.0	745.4	739.3	746.9	757.6	759.9
7.5°	741.6	727.1	715.7	710.4	706.5	703.5	694.3	689.8	689.8	694.3	698.2
10°	714.2	703.5	701.2	702.7	708.8	708.1	699.7	693.6	686.0	682.2	686.7
12.5°	752.3	734.7	731.7	732.5	740.1	739.3	730.2	722.6	721.0	722.6	737.0
15°	817.1	790.4	770.6	766.8	770.6	769.0	762.2	757.6	759.9	782.0	806.4
17.5°	875.0	833.8	798.0	784.3	783.5	781.2	774.4	772.9	784.3	825.4	861.3
20°	891.8	851.4	800.3	782.8	779.0	776.7	769.0	771.3	785.8	835.4	865.8
22.5°	869.7	830.8	777.4	759.9	756.8	756.1	748.5	751.5	763.7	807.2	832.3
25°	827.7	795.0	739.3	724.1	724.1	722.6	715.7	717.2	724.8	762.9	787.3
27.5°	776.7	745.4	698.9	683.7	686.0	688.3	679.9	677.6	683.7	719.5	734.0
30°	718.0	695.9	659.3	645.6	644.8	654.0	642.5	639.5	647.9	676.1	679.1
32.5°	660.8	650.1	624.2	613.6	614.3	615.8	609.7	609.7	617.4	632.6	631.9
35°	605.2	598.3	593.7	586.1	585.4	582.3	582.3	583.8	592.2	597.6	587.6
37.5°	551.8	558.7	564.0	556.4	550.3	550.3	550.3	557.2	564.8	562.5	545.7
40°	504.6	519.0	535.8	527.4	512.9	512.2	515.2	526.7	538.1	524.4	509.1
42.5°	464.2	482.5	506.1	501.5	485.5	483.2	485.5	500.0	509.1	491.6	474.8
45°	424.5	447.4	475.6	475.6	458.1	455.8	456.5	475.6	480.9	460.4	439.0
47.5°	391.0	416.2	445.9	445.9	431.4	426.8	430.6	450.5	454.3	425.3	405.5
50°	359.0	386.4	419.2	416.9	407.0	403.2	410.1	431.4	426.8	394.8	374.2
52.5°	318.6	347.6	392.5	394.8	389.5	390.2	398.6	412.3	399.4	360.5	343.0
55°	282.0	311.7	356.7	368.9	368.9	368.1	371.9	382.6	371.9	325.5	304.1
57.5°	242.4	267.5	304.9	307.9	310.2	301.8	307.2	321.6	316.3	276.7	264.5
60°	198.9	220.3	241.6	243.9	234.0	216.5	226.4	243.1	246.9	217.2	203.5
62.5°	141.0	161.6	186.7	186.7	176.8	159.3	172.3	186.7	181.4	150.9	142.5
65°	105.2	124.2	143.3	151.7	143.3	131.1	141.0	151.7	143.3	118.1	105.9
67.5°	67.8	80.8	92.2	99.1	100.6	99.1	103.7	100.6	90.7	73.9	67.1
70°	41.2	48.0	54.1	60.2	64.8	67.1	69.4	62.5	52.6	43.4	41.2
72.5°	29.7	35.8	41.2	45.7	51.1	52.6	52.6	48.0	38.9	30.5	28.2
75°	20.6	25.9	30.5	33.5	38.1	39.6	39.6	35.8	29.0	22.1	19.8
77.5°	0.8	5.3	5.3	4.6	6.1	7.6	7.6	9.1	8.4	6.1	5.3
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°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7
2.5°	851.4	878.8	886.4	914.6	939.8	964.9	995.4	1013.7	1041.1	1060.2	1070.9
5°	767.5	790.4	817.8	859.7	903.2	951.2	1009.1	1059.4	1122.7	1169.2	1184.4
7.5°	706.5	736.3	768.3	820.9	880.3	944.3	1025.9	1108.2	1205.0	1268.3	1308.7
10°	695.1	725.6	768.3	820.1	882.6	955.8	1055.6	1162.3	1283.5	1360.5	1406.2
12.5°	750.0	782.8	801.1	824.7	871.9	953.5	1081.5	1217.2	1359.7	1443.6	1492.4
15°	830.8	859.7	830.0	800.3	830.8	929.1	1096.0	1262.9	1426.8	1523.6	1573.9
17.5°	886.4	888.7	823.9	760.7	769.0	884.9	1101.4	1308.7	1498.5	1599.8	1652.4
20°	881.1	862.8	797.2	727.1	701.2	827.7	1095.3	1349.1	1570.9	1676.8	1728.6
22.5°	839.9	818.6	762.9	694.3	644.0	759.9	1084.6	1385.6	1637.2	1757.6	1806.4
25°	790.4	767.5	721.8	661.6	607.5	694.3	1076.2	1436.0	1721.0	1862.8	1900.9
27.5°	732.5	712.6	673.8	630.3	592.2	644.8	1073.9	1502.3	1822.4	1990.8	2017.5
30°	676.1	657.8	627.3	602.1	586.1	615.8	1066.3	1573.1	1943.6	2137.9	2166.9
32.5°	621.9	603.6	584.6	580.8	581.5	605.2	1040.4	1643.3	2087.6	2351.3	2372.7
35°	575.4	554.1	546.5	555.6	572.4	586.9	967.2	1701.2	2242.3	2583.8	2601.3
37.5°	531.2	509.9	509.1	531.2	549.5	558.7	881.1	1758.4	2451.2	2820.1	2842.2
40°	490.8	469.5	477.1	503.8	518.3	522.9	776.7	1845.2	2672.2	3069.3	3057.1
42.5°	456.5	434.4	439.0	473.3	486.3	498.5	680.6	1917.7	2884.9	3305.6	3301.8
45°	423.0	406.2	403.2	440.5	452.0	500.8	610.5	1973.3	3158.5	3606.7	3612.8
47.5°	390.2	377.3	378.0	394.0	422.2	512.2	551.1	2009.9	3555.6	4083.8	3977.8
50°	360.5	350.6	359.0	340.7	403.2	497.7	500.0	2002.3	3999.2	4541.1	4328.4
52.5°	327.7	325.5	329.3	285.1	372.7	439.0	452.0	1900.9	4207.3	4853.6	4732.4
55°	294.2	293.4	263.0	227.9	311.7	350.6	387.2	1586.1	4200.4	5019.7	5166.8
57.5°	254.6	248.5	199.7	186.0	242.4	243.9	352.9	1038.9	3722.5	4621.9	4926.8
60°	192.8	188.3	146.3	150.9	169.2	156.2	281.2	517.5	2782.0	3600.6	3944.3
62.5°	133.4	127.3	109.0	116.6	109.0	89.2	172.3	256.1	1685.2	2273.6	2585.3
65°	97.6	90.7	74.7	64.0	51.1	51.1	65.5	98.3	652.4	966.4	1165.4
67.5°	60.2	57.2	44.2	32.0	31.2	33.5	34.3	48.8	105.2	167.7	205.0
70°	38.9	35.8	29.7	20.6	19.1	19.8	20.6	22.9	26.7	29.0	35.1
72.5°	26.7	25.2	21.3	11.4	9.1	9.9	10.7	10.7	13.0	12.2	14.5
75°	19.1	17.5	15.2	5.3	3.0	3.8	4.6	3.8	4.6	3.0	3.8
77.5°	5.3	5.3	3.8	0.8	0.0	0.8	1.5	1.5	0.8	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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-SA2D-730-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7
2.5°	1098.3	1115.8	1122.7	1112.8	1121.2	1107.5	1102.1	1081.5	1080.0	1076.2
5°	1246.2	1285.8	1309.4	1323.9	1307.1	1288.9	1261.4	1214.2	1199.7	1190.5
7.5°	1391.7	1453.5	1493.9	1512.9	1508.4	1471.0	1421.5	1342.2	1314.0	1300.3
10°	1518.3	1593.7	1642.5	1666.1	1656.2	1623.5	1552.6	1453.5	1416.1	1407.8
12.5°	1606.7	1676.0	1709.6	1730.2	1730.9	1718.0	1650.9	1551.0	1506.8	1496.2
15°	1662.3	1692.0	1692.8	1705.0	1726.3	1755.3	1724.1	1635.6	1588.4	1572.4
17.5°	1697.4	1664.6	1631.1	1634.1	1669.2	1746.2	1778.2	1710.3	1660.0	1642.5
20°	1722.5	1618.9	1556.4	1557.1	1593.0	1709.6	1815.5	1782.7	1730.9	1714.9
22.5°	1738.5	1578.5	1489.3	1487.0	1525.1	1666.1	1849.8	1868.9	1817.8	1799.5
25°	1771.3	1559.4	1448.9	1461.9	1495.4	1652.4	1896.3	1983.2	1935.9	1911.6
27.5°	1830.0	1578.5	1445.1	1474.8	1512.9	1692.8	1977.1	2135.6	2086.9	2059.4
30°	1931.4	1650.1	1503.8	1544.9	1590.7	1798.8	2112.8	2348.3	2278.2	2252.3
32.5°	2094.5	1798.8	1685.2	1773.6	1817.8	1972.5	2316.3	2586.9	2529.7	2477.9
35°	2319.3	2137.9	2125.0	2330.8	2320.1	2301.8	2566.3	2879.5	2793.4	2743.1
37.5°	2628.8	2683.6	2779.7	2983.9	2977.1	2837.6	2894.8	3156.2	3112.0	3047.2
40°	3015.2	3131.8	3294.9	3587.6	3496.1	3320.8	3298.0	3439.7	3403.9	3327.7
42.5°	3243.1	3444.3	3755.3	4018.2	3945.1	3638.7	3612.8	3818.5	3740.0	3657.0
45°	3349.0	3698.9	4308.6	4664.6	4442.8	3849.8	3839.9	4312.4	4268.2	4156.9
47.5°	3397.8	3955.7	4956.5	5495.3	5080.7	4035.0	3999.2	5028.9	4971.0	4839.9
50°	3451.9	4310.1	5737.0	6458.0	5851.3	4244.6	4270.5	5696.6	5672.2	5517.4
52.5°	3570.8	4685.1	6698.1	7558.6	6785.7	4573.1	4736.2	6326.1	6161.5	5983.1
55°	3749.2	5093.7	7698.1	8682.8	7739.2	5014.4	5240.0	6660.7	6198.8	6001.4
57.5°	3551.8	5195.8	8290.3	9467.8	8162.2	5015.9	4814.0	6080.7	5451.9	5260.6
60°	2818.6	4833.8	8062.4	9297.9	7801.7	4454.2	3685.9	4747.6	4130.3	4002.2
62.5°	1905.5	4054.1	7097.5	7863.4	6677.5	3503.8	2395.5	3087.6	2557.1	2451.2
65°	1044.2	3024.3	5734.7	5948.8	5226.3	2447.4	1232.5	1339.9	1020.6	973.3
67.5°	288.1	2105.2	4219.4	3946.6	3666.9	1593.7	318.6	239.3	170.7	169.2
70°	72.4	1392.5	2528.2	2605.9	2248.4	1020.6	61.0	29.0	22.9	22.1
72.5°	30.5	599.1	1199.7	1378.8	1150.9	472.6	22.1	8.4	6.9	5.3
75°	3.8	48.0	102.1	154.7	105.9	51.1	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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