

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: P635183

Luminaire Tested: GWS-SA3D-730-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8549.4 lumens
Efficiency: N/A
Efficacy: 70.8 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

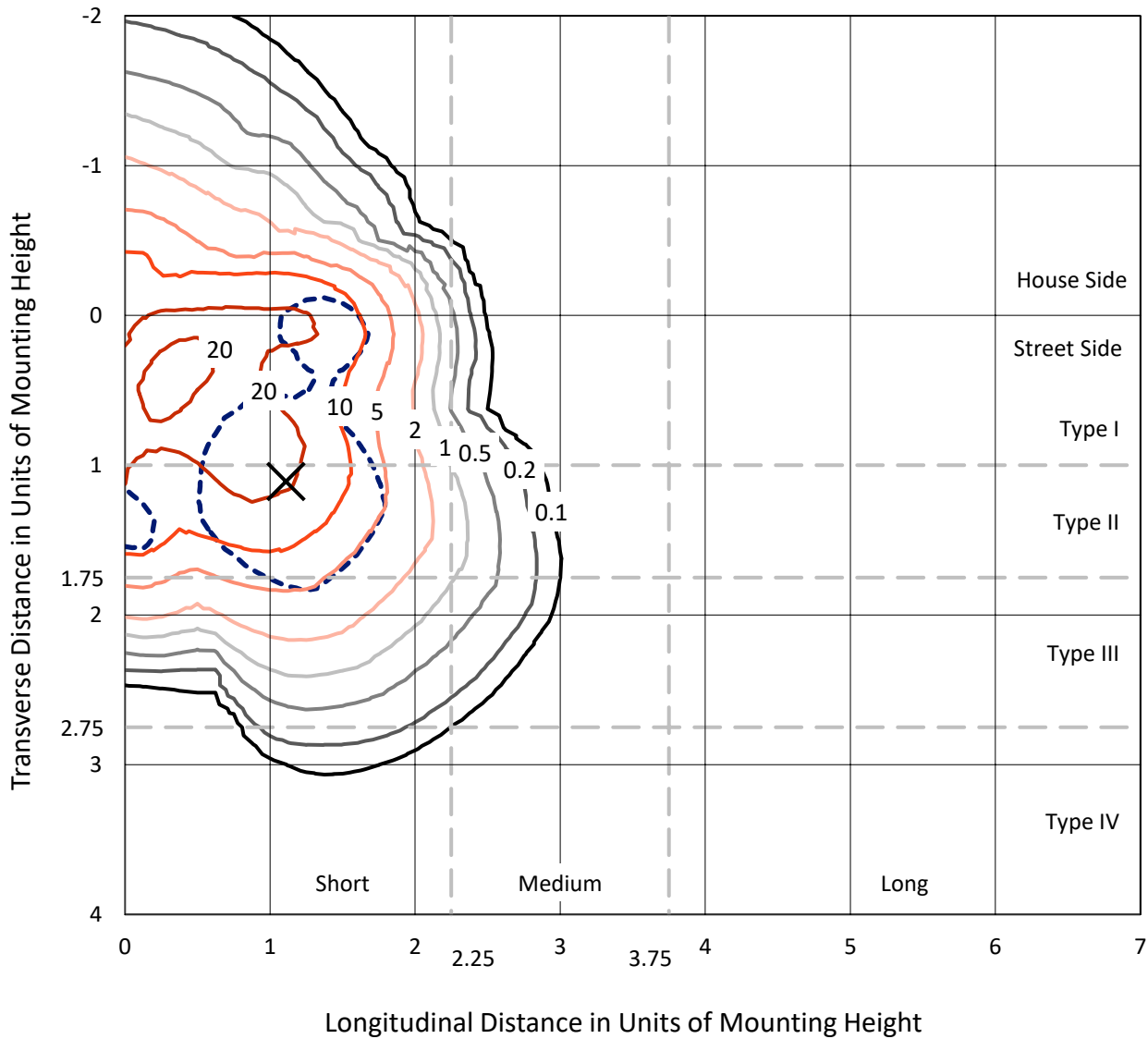
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

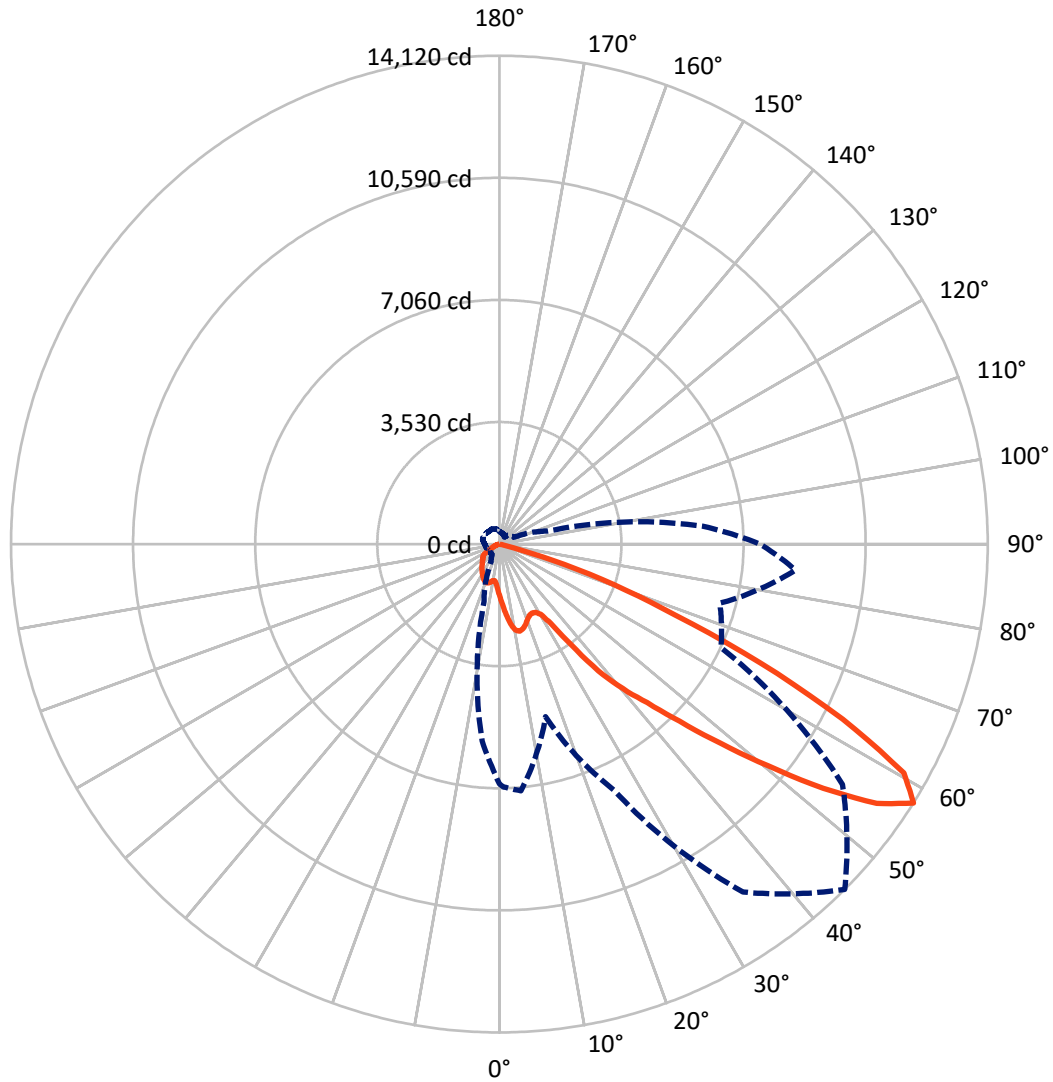
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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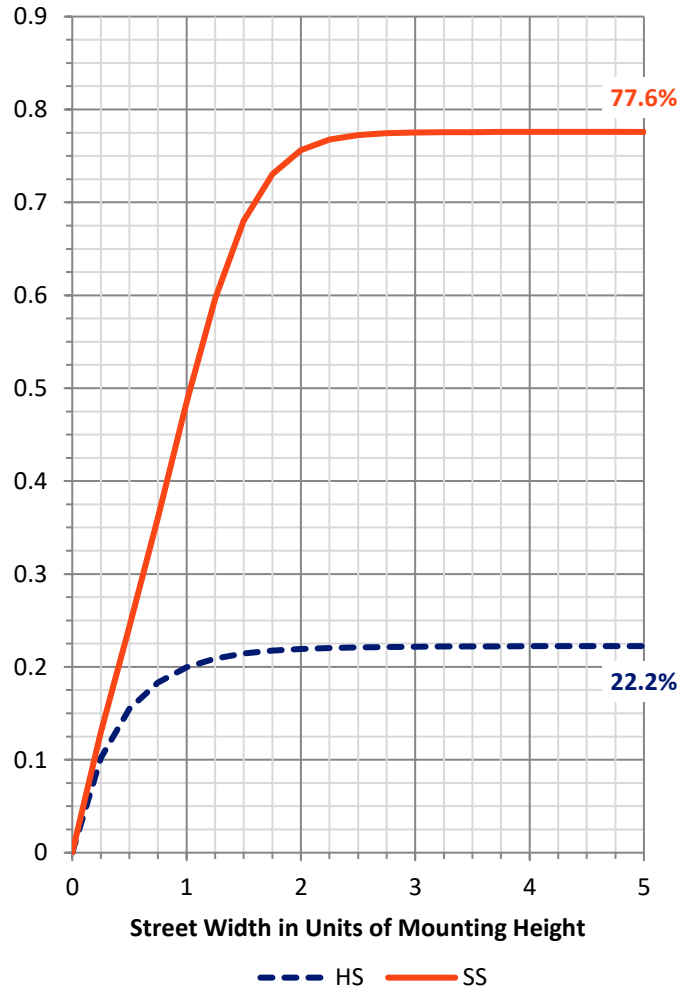
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1914.4	0.0	1914.4
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6635.0	0.0	6635.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	8549.4	0.0	8549.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	1.7
10°-20°	478.2	5.6
20°-30°	776.8	9.1
30°-40°	1200.3	14.0
40°-50°	1924.7	22.5
50°-60°	2630.5	30.8
60°-70°	1274.0	14.9
70°-80°	116.7	1.4
80°-90°	0.3	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°	8549.4	100.0
0°-180°	8549.4	100.0

Coefficient of Utilization



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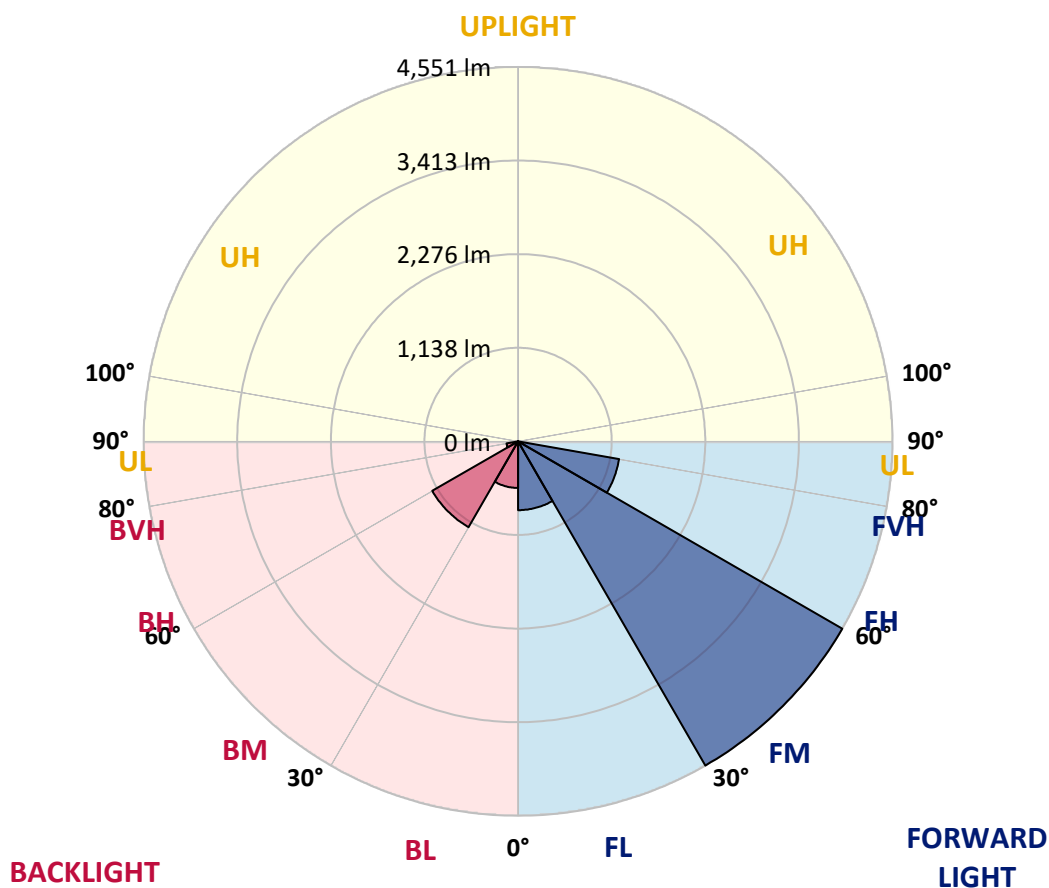
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.4	9.8			
FM (30°-60°)	4551.0	53.2			
FH (60°-80°)	1247.2	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	566.5	6.6	B2/1000		
BM (30°-60°)	1204.5	14.1	B2/2500		
BH (60°-80°)	143.5	1.7	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		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°	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6
2.5°	1627.9	1638.2	1655.4	1692.2	1723.2	1743.9	1753.1	1750.8	1738.2	1729.0	1710.6
5°	1802.5	1802.5	1835.8	1919.7	1984.0	2024.2	2044.9	2032.3	2007.0	1966.8	1904.7
7.5°	1955.3	1961.0	2017.3	2136.8	2234.4	2291.9	2325.2	2318.3	2273.5	2196.5	2072.5
10°	2074.8	2081.7	2156.3	2302.2	2417.1	2475.7	2525.1	2529.7	2480.3	2378.0	2235.6
12.5°	2190.8	2197.7	2275.8	2416.0	2517.1	2541.2	2584.8	2602.1	2589.4	2517.1	2368.9
15°	2316.0	2332.1	2398.7	2503.3	2545.8	2517.1	2545.8	2576.8	2619.3	2612.4	2479.1
17.5°	2438.9	2450.4	2518.2	2555.0	2507.9	2433.2	2447.0	2483.7	2580.2	2674.4	2588.3
20°	2552.7	2568.7	2625.0	2576.8	2434.3	2318.3	2319.5	2367.7	2514.8	2712.4	2699.7
22.5°	2672.1	2696.3	2736.5	2600.9	2366.6	2227.6	2233.3	2276.9	2463.1	2748.0	2826.1
25°	2828.4	2851.4	2877.8	2660.7	2344.7	2182.7	2204.6	2244.8	2463.1	2808.9	2982.3
27.5°	3039.8	3055.8	3057.0	2772.1	2382.6	2189.6	2235.6	2281.5	2536.6	2930.6	3191.4
30°	3305.1	3330.4	3297.1	2945.6	2501.0	2281.5	2349.3	2406.8	2695.1	3136.3	3499.3
32.5°	3628.0	3663.6	3618.8	3202.9	2748.0	2598.6	2721.5	2754.9	2947.9	3433.8	3848.5
35°	4007.1	4036.9	3988.7	3559.0	3324.7	3352.2	3575.1	3532.6	3455.6	3800.3	4256.4
37.5°	4422.9	4450.5	4357.5	4099.0	4177.1	4296.6	4652.7	4506.8	4258.7	4272.4	4698.6
40°	4804.3	4834.2	4688.3	4686.0	4846.8	5065.1	5494.8	5293.7	4956.0	4890.5	5113.4
42.5°	5199.5	5220.2	5088.1	4998.5	5363.8	5813.0	6267.9	5996.8	5417.8	5346.6	5632.6
45°	5763.6	5807.3	5571.7	5152.4	5829.1	6673.5	7307.6	6778.0	5732.6	5675.1	6427.6
47.5°	6593.0	6625.2	6145.0	5248.9	6262.2	7745.3	8606.9	7791.3	6009.4	5878.5	7514.4
50°	7278.9	7300.7	6672.3	5354.6	6722.9	8901.0	10087.7	8992.9	6320.8	6215.1	8528.8
52.5°	7784.4	7867.1	7365.0	5571.7	7328.3	10260.1	11727.1	10416.3	6806.7	6865.3	9369.7
55°	7888.9	8001.5	7838.4	5705.0	7861.3	11644.4	13241.2	11690.3	7291.5	7358.2	9652.3
57.5°	6933.1	7022.7	7158.3	5167.4	7848.7	12278.5	14120.1	12113.1	7071.0	6598.8	8594.3
60°	5193.8	5255.8	5501.7	3949.6	7218.0	11717.9	13435.4	11393.9	6182.9	5035.3	6548.2
62.5°	3080.0	3107.5	3418.9	2558.4	5991.1	10091.2	11142.3	9831.6	4885.9	3386.7	4010.5
65°	1182.1	1170.6	1408.4	1262.5	4405.7	8038.3	8287.5	7494.9	3352.2	1552.0	1529.1
67.5°	182.7	174.6	235.5	373.4	3177.6	5570.6	5468.4	5401.7	2100.0	361.9	315.9
70°	41.4	41.4	50.5	110.3	1941.5	3273.0	3502.7	3339.6	1344.1	77.0	41.4
72.5°	19.5	19.5	24.1	47.1	703.1	1348.7	1571.6	1547.5	436.5	25.3	14.9
75°	6.9	8.0	8.0	10.3	42.5	70.1	160.8	114.9	27.6	0.0	0.0
77.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.1	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°	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6
2.5°	1670.4	1662.3	1632.5	1592.3	1553.2	1518.7	1483.1	1440.6	1409.6	1374.0	1362.5
5°	1856.5	1805.9	1724.4	1639.4	1561.2	1494.6	1430.3	1361.3	1310.8	1260.2	1243.0
7.5°	2013.9	1939.2	1807.1	1679.6	1572.7	1478.5	1385.5	1291.3	1217.7	1158.0	1139.6
10°	2155.2	2069.0	1892.1	1734.7	1600.3	1491.2	1378.6	1260.2	1164.9	1093.7	1076.4
12.5°	2276.9	2177.0	1964.5	1776.1	1611.8	1486.6	1377.4	1283.2	1197.1	1115.5	1093.7
15°	2379.2	2268.9	2025.4	1803.6	1594.6	1429.1	1333.8	1318.8	1311.9	1222.3	1179.8
17.5°	2479.1	2355.1	2074.8	1816.3	1546.3	1328.0	1259.1	1326.9	1399.3	1340.7	1286.7
20°	2583.7	2442.4	2125.3	1818.6	1465.9	1214.3	1202.8	1309.6	1401.6	1383.2	1332.6
22.5°	2706.6	2551.5	2188.5	1817.4	1364.8	1117.8	1161.5	1276.3	1351.0	1349.9	1309.6
25°	2884.7	2689.4	2273.5	1824.3	1254.5	1043.1	1115.5	1220.0	1280.9	1278.6	1245.3
27.5°	3075.4	2853.7	2383.8	1841.5	1160.3	999.5	1061.5	1143.1	1195.9	1193.6	1164.9
30°	3343.0	3043.2	2489.5	1842.7	1092.5	976.5	1001.8	1058.1	1108.6	1102.9	1081.0
32.5°	3668.2	3256.9	2577.9	1777.2	1050.0	954.7	939.7	968.5	1007.5	999.5	993.7
35°	4061.1	3510.8	2653.8	1633.6	984.5	911.0	870.8	876.5	904.1	908.7	906.4
37.5°	4509.1	3812.9	2748.0	1444.1	896.1	847.8	793.8	789.2	805.3	820.3	831.7
40°	4951.4	4153.0	2875.5	1252.2	815.7	767.4	715.7	704.2	711.1	737.5	761.7
42.5°	5448.8	4547.0	3013.3	1087.9	760.5	678.9	629.6	607.7	627.3	669.8	698.5
45°	6165.7	5099.6	3147.8	957.0	737.5	600.8	534.2	531.9	553.7	608.9	641.0
47.5°	7172.0	5814.1	3236.2	854.7	736.4	539.9	460.7	474.5	499.7	553.7	590.5
50°	8153.1	6709.1	3138.6	776.6	712.3	499.7	405.5	433.1	458.4	505.5	543.4
52.5°	8744.8	7190.4	2758.3	703.1	637.6	481.4	351.5	399.8	404.4	446.9	487.1
55°	8682.7	6879.1	2112.7	589.3	527.3	454.9	295.2	360.7	363.0	395.2	429.7
57.5°	7536.2	5906.1	1451.0	477.9	396.3	375.7	243.5	304.4	326.3	345.8	371.1
60°	5616.6	4309.2	646.8	388.3	251.6	253.9	207.9	229.8	263.1	286.1	307.9
62.5°	3309.7	2479.1	263.1	233.2	139.0	159.7	167.7	167.7	188.4	205.6	219.4
65°	1251.1	867.4	106.8	117.2	72.4	74.7	98.8	121.8	137.9	152.8	171.2
67.5°	219.4	151.6	55.1	43.7	42.5	37.9	50.5	79.3	88.5	99.9	108.0
70°	36.8	31.0	23.0	21.8	19.5	20.7	33.3	56.3	62.0	65.5	68.9
72.5°	10.3	9.2	6.9	5.7	4.6	5.7	20.7	43.7	46.0	48.3	51.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	8.0	31.0	33.3	34.5	37.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	9.2	11.5	9.2
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°	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6
2.5°	1355.6	1332.6	1320.0	1313.1	1313.1	1303.9	1293.6	1290.1	1305.1	1305.1	1330.3
5°	1221.2	1202.8	1182.1	1169.5	1150.0	1153.4	1141.9	1140.8	1155.7	1162.6	1189.0
7.5°	1128.1	1105.2	1092.5	1084.5	1074.1	1069.5	1059.2	1055.8	1063.8	1075.3	1100.6
10°	1066.1	1062.7	1061.5	1067.2	1067.2	1061.5	1052.3	1046.6	1048.9	1070.7	1099.4
12.5°	1082.2	1089.1	1091.4	1100.6	1105.2	1100.6	1093.7	1096.0	1110.9	1151.1	1193.6
15°	1152.3	1146.5	1144.2	1148.8	1152.3	1147.7	1145.4	1162.6	1214.3	1271.7	1320.0
17.5°	1226.9	1190.2	1174.1	1174.1	1176.4	1174.1	1176.4	1209.7	1293.6	1351.0	1386.6
20°	1264.8	1197.1	1171.8	1166.0	1170.6	1171.8	1179.8	1217.7	1309.6	1349.9	1357.9
22.5°	1253.4	1168.3	1139.6	1135.0	1139.6	1144.2	1152.3	1184.4	1270.6	1291.3	1287.8
25°	1195.9	1112.1	1089.1	1089.1	1099.4	1098.3	1101.7	1124.7	1195.9	1208.6	1202.8
27.5°	1123.5	1044.3	1024.7	1036.2	1045.4	1043.1	1044.3	1063.8	1116.6	1120.1	1114.3
30°	1050.0	981.1	962.7	976.5	989.1	986.8	988.0	1007.5	1040.8	1037.4	1029.3
32.5°	975.3	924.8	911.0	919.1	938.6	936.3	940.9	961.6	974.2	959.3	950.1
35°	906.4	880.0	869.7	874.2	889.2	892.6	900.7	914.5	914.5	896.1	880.0
37.5°	842.1	838.6	831.7	826.0	839.8	850.1	861.6	877.7	854.7	828.3	813.4
40°	782.3	797.3	788.1	773.2	781.2	796.1	819.1	831.7	804.2	777.7	752.5
42.5°	727.2	752.5	749.0	730.6	737.5	751.3	777.7	788.1	755.9	726.1	701.9
45°	674.4	710.0	712.3	689.3	696.2	710.0	741.0	744.4	703.1	670.9	653.7
47.5°	628.4	667.5	668.6	651.4	653.7	673.2	701.9	703.1	656.0	626.1	604.3
50°	584.7	629.6	633.0	618.1	620.4	643.3	667.5	662.9	612.3	581.3	561.8
52.5°	531.9	592.8	600.8	593.9	603.1	621.5	636.4	620.4	561.8	530.8	513.5
55°	474.5	553.7	571.0	566.4	576.7	591.6	595.1	584.7	511.2	480.2	464.1
57.5°	407.8	456.1	485.9	476.8	484.8	499.7	510.1	502.0	446.9	422.8	409.0
60°	337.8	369.9	376.8	361.9	355.0	381.4	405.5	395.2	348.1	333.2	317.1
62.5°	247.0	283.8	288.4	268.8	260.8	289.5	310.2	299.8	248.1	232.1	219.4
65°	197.6	232.1	241.3	222.9	218.3	240.1	252.7	227.5	190.7	173.5	159.7
67.5°	129.8	157.4	181.5	180.4	171.2	178.1	168.9	148.2	121.8	112.6	103.4
70°	80.4	96.5	111.4	117.2	116.0	113.7	101.1	86.2	78.1	74.7	70.1
72.5°	62.0	78.1	89.6	93.1	94.2	90.8	80.4	66.6	58.6	54.0	50.5
75°	46.0	58.6	67.8	72.4	74.7	72.4	62.0	52.8	44.8	41.4	37.9
77.5°	16.1	19.5	24.1	26.4	25.3	24.1	21.8	21.8	17.2	16.1	13.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6	1502.6
2.5°	1359.0	1379.7	1417.6	1452.1	1488.9	1526.8	1568.1	1610.6	1630.2	1627.9
5°	1229.2	1274.0	1336.1	1403.9	1479.7	1561.2	1652.0	1745.0	1785.3	1802.5
7.5°	1147.7	1210.9	1292.4	1378.6	1478.5	1594.6	1731.3	1877.2	1935.8	1955.3
10°	1158.0	1231.5	1299.3	1383.2	1490.0	1640.5	1810.5	1984.0	2052.9	2074.8
12.5°	1241.9	1258.0	1276.3	1345.3	1479.7	1675.0	1882.9	2089.7	2169.0	2190.8
15°	1317.7	1243.0	1208.6	1271.7	1442.9	1699.1	1956.4	2203.4	2290.7	2316.0
17.5°	1321.1	1208.6	1131.6	1181.0	1383.2	1709.4	2028.8	2319.5	2414.8	2438.9
20°	1278.6	1170.6	1071.8	1073.0	1301.6	1707.1	2088.5	2424.0	2530.8	2552.7
22.5°	1216.6	1125.8	1023.6	988.0	1214.3	1702.5	2154.0	2535.4	2651.5	2672.1
25°	1147.7	1068.4	977.6	923.6	1127.0	1707.1	2245.9	2681.3	2808.9	2828.4
27.5°	1073.0	1005.2	942.0	898.4	1053.5	1724.4	2356.2	2867.4	3019.1	3039.8
30°	994.9	944.3	919.1	892.6	1007.5	1729.0	2475.7	3084.6	3276.4	3305.1
32.5°	917.9	890.3	891.5	896.1	963.9	1696.8	2584.8	3325.8	3582.0	3628.0
35°	846.7	838.6	861.6	884.6	900.7	1614.1	2680.2	3610.7	3960.0	4007.1
37.5°	785.8	792.7	821.4	844.4	831.7	1496.9	2806.6	3966.9	4382.7	4422.9
40°	727.2	744.4	777.7	788.1	778.9	1360.2	2958.2	4310.4	4749.2	4804.3
42.5°	673.2	685.8	732.9	735.2	764.0	1221.2	3104.1	4680.3	5170.8	5199.5
45°	629.6	627.3	675.5	690.4	783.5	1067.2	3246.5	5173.1	5722.2	5763.6
47.5°	587.0	584.7	596.2	664.0	791.5	924.8	3387.9	5894.6	6521.8	6593.0
50°	546.8	550.3	514.7	651.4	747.9	815.7	3452.2	6562.0	7249.0	7278.9
52.5°	511.2	498.6	436.5	610.0	654.8	712.3	3269.5	6865.3	7699.4	7784.4
55°	460.7	390.6	359.6	495.1	517.0	621.5	2677.9	6689.5	7738.4	7888.9
57.5°	394.0	306.7	305.6	365.3	365.3	576.7	1715.2	5715.4	6668.9	6933.1
60°	303.3	237.8	252.7	253.9	234.4	420.5	962.7	4140.3	4930.7	5193.8
62.5°	216.0	181.5	190.7	151.6	134.4	210.2	461.8	2383.8	3043.2	3080.0
65°	144.8	122.9	99.9	83.9	82.7	89.6	190.7	861.6	1047.7	1182.1
67.5°	95.4	74.7	52.8	52.8	59.7	59.7	72.4	142.5	199.9	182.7
70°	62.0	51.7	33.3	32.2	39.1	39.1	36.8	39.1	41.4	41.4
72.5°	46.0	39.1	19.5	17.2	21.8	23.0	20.7	19.5	19.5	19.5
75°	34.5	27.6	11.5	8.0	10.3	13.8	11.5	8.0	8.0	6.9
77.5°	13.8	10.3	4.6	3.4	5.7	8.0	6.9	3.4	2.3	2.3
80°	1.1	2.3	2.3	2.3	3.4	4.6	5.7	2.3	1.1	1.1
82.5°	0.0	1.1	1.1	1.1	2.3	3.4	4.6	2.3	1.1	1.1
85°	0.0	0.0	0.0	0.0	2.3	3.4	2.3	1.1	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.1	3.4	2.3	1.1	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

(END OF REPORT)