

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: P635293

Luminaire Tested: GWS-SA3D-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635293
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9388.5 lumens
Efficiency: N/A
Efficacy: 77.7 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

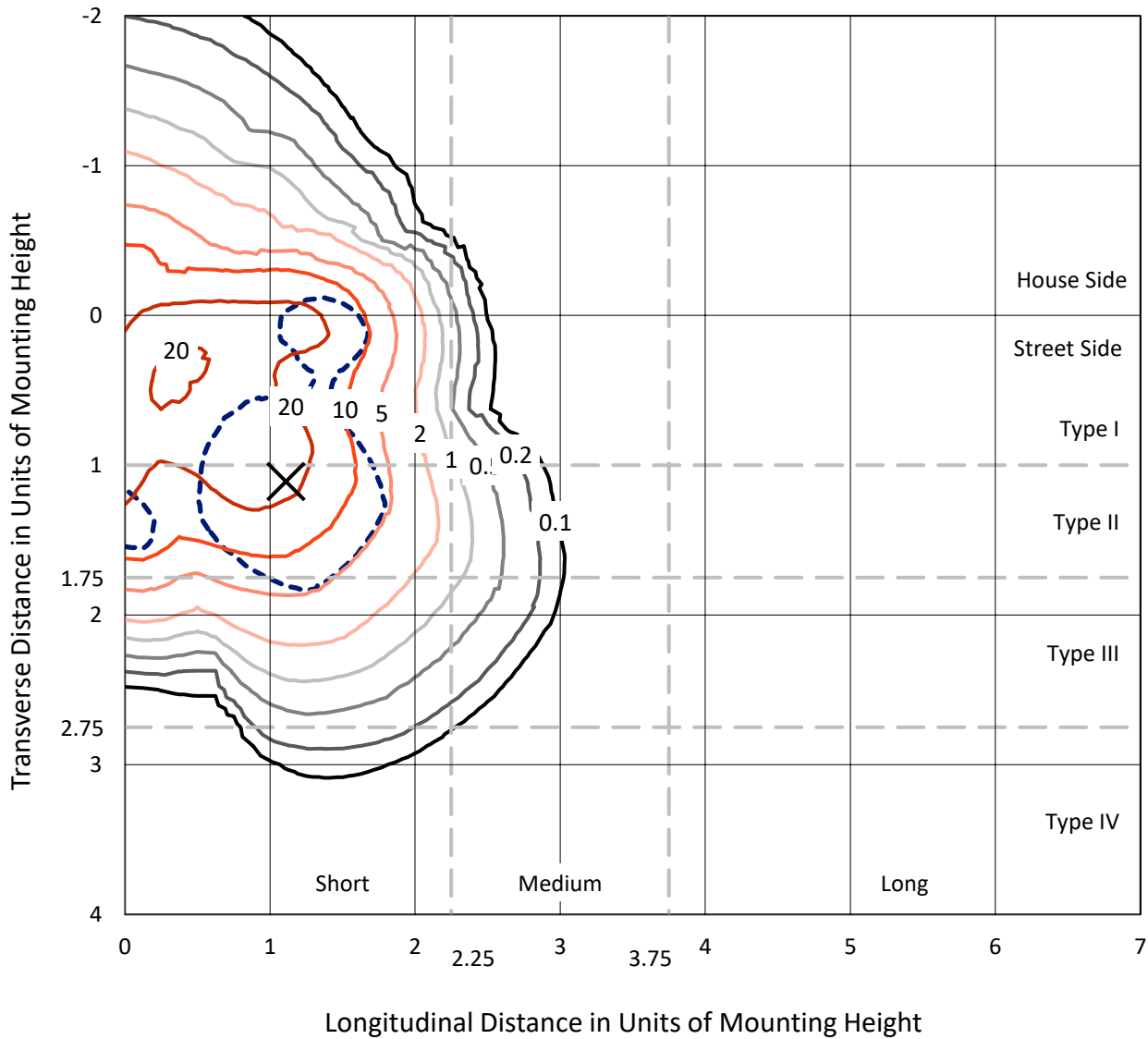
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

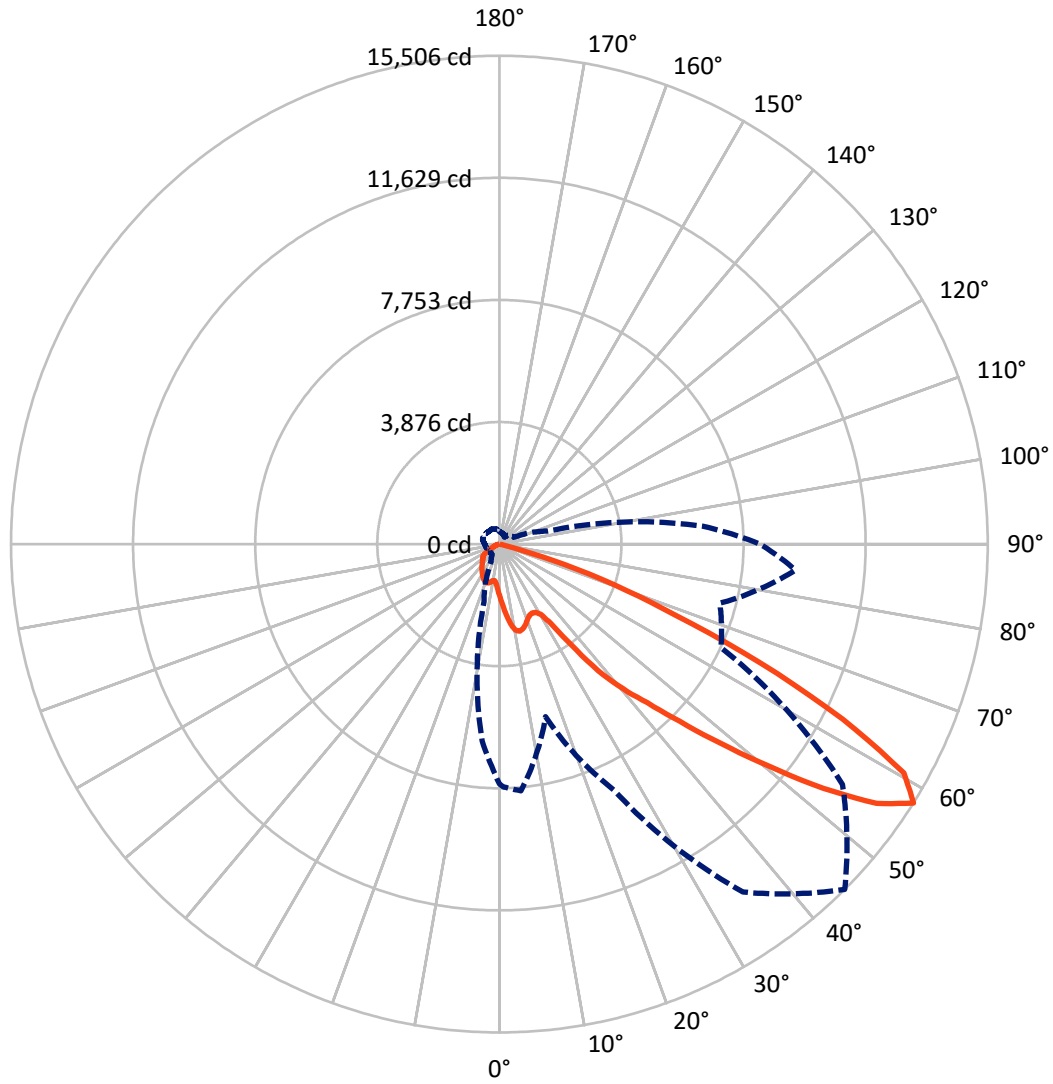
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.4 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	2102.3	0.0	2102.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	7286.2	0.0	7286.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	9388.5	0.0	9388.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	1.7
10°-20°	525.1	5.6
20°-30°	853.1	9.1
30°-40°	1318.1	14.0
40°-50°	2113.6	22.5
50°-60°	2888.7	30.8
60°-70°	1399.1	14.9
70°-80°	128.1	1.4
80°-90°	0.4	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°	9388.5	100.0
0°-180°	9388.5	100.0

Coefficient of Utilization



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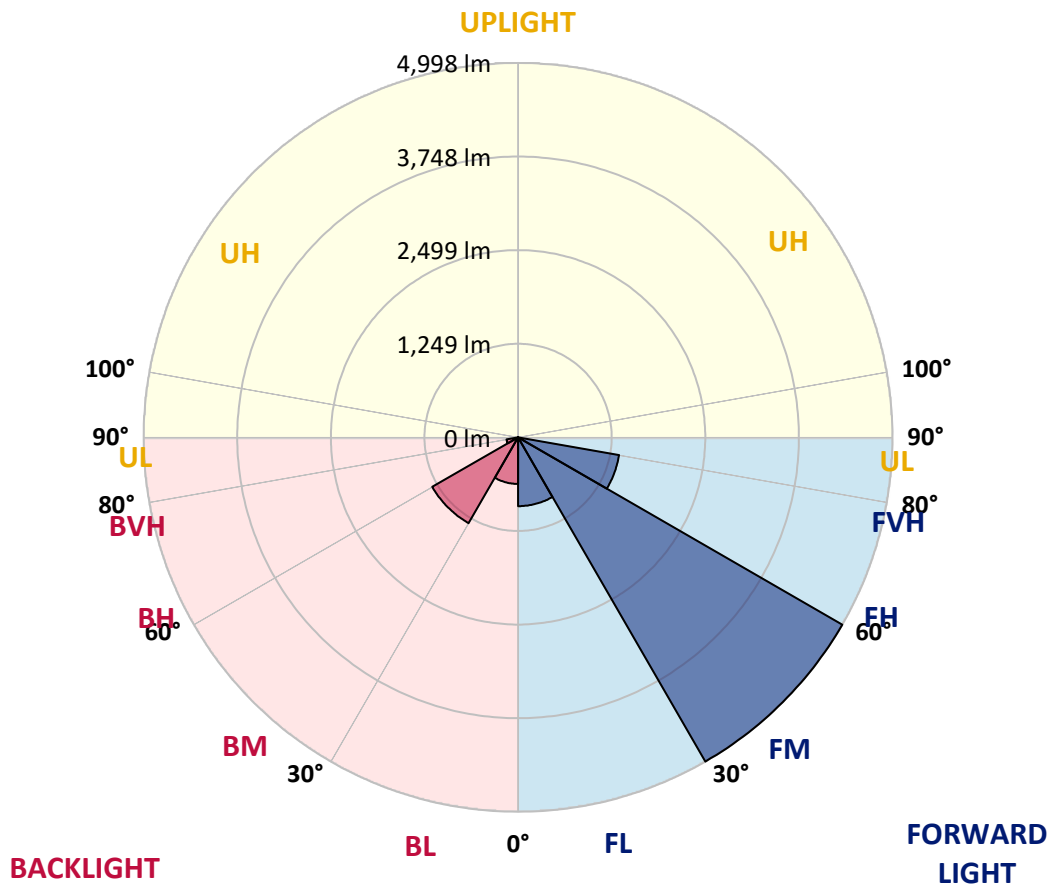
CATALOG NUMBER: GWS-SA3D-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	918.5	9.8			
FM (30°-60°)	4997.7	53.2			
FH (60°-80°)	1369.6	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	622.1	6.6	B2/1000		
BM (30°-60°)	1322.7	14.1	B2/2500		
BH (60°-80°)	157.6	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°	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1
2.5°	1787.6	1799.0	1817.9	1858.3	1892.4	1915.1	1925.2	1922.6	1908.8	1898.7	1878.5
5°	1979.4	1979.4	2016.0	2108.1	2178.7	2222.9	2245.6	2231.7	2204.0	2159.8	2091.7
7.5°	2147.2	2153.5	2215.3	2346.5	2453.7	2516.8	2553.4	2545.8	2496.6	2412.1	2275.9
10°	2278.4	2286.0	2368.0	2528.2	2654.3	2718.7	2772.9	2778.0	2723.7	2611.4	2455.0
12.5°	2405.8	2413.4	2499.2	2653.1	2764.1	2790.6	2838.5	2857.4	2843.6	2764.1	2601.4
15°	2543.3	2561.0	2634.2	2749.0	2795.6	2764.1	2795.6	2829.7	2876.4	2868.8	2722.5
17.5°	2678.3	2690.9	2765.4	2805.7	2754.0	2672.0	2687.1	2727.5	2833.5	2936.9	2842.3
20°	2803.2	2820.9	2882.7	2829.7	2673.3	2545.8	2547.1	2600.1	2761.6	2978.6	2964.7
22.5°	2934.4	2960.9	3005.1	2856.2	2598.8	2446.2	2452.5	2500.4	2704.8	3017.7	3103.5
25°	3106.0	3131.2	3160.2	2921.8	2574.9	2397.0	2420.9	2465.1	2704.8	3084.5	3275.0
27.5°	3338.1	3355.8	3357.0	3044.2	2616.5	2404.5	2455.0	2505.5	2785.5	3218.3	3504.6
30°	3629.5	3657.3	3620.7	3234.7	2746.4	2505.5	2579.9	2643.0	2959.6	3444.1	3842.7
32.5°	3984.0	4023.1	3973.9	3517.2	3017.7	2853.7	2988.7	3025.2	3237.2	3770.8	4226.2
35°	4400.3	4433.1	4380.2	3908.3	3651.0	3681.3	3926.0	3879.3	3794.8	4173.3	4674.1
37.5°	4857.0	4887.3	4785.1	4501.3	4587.1	4718.3	5109.3	4949.1	4676.6	4691.8	5159.8
40°	5275.9	5308.7	5148.5	5145.9	5322.6	5562.2	6034.1	5813.3	5442.4	5370.5	5615.2
42.5°	5709.9	5732.6	5587.5	5489.1	5890.3	6383.5	6883.1	6585.4	5949.6	5871.3	6185.5
45°	6329.3	6377.2	6118.6	5658.1	6401.2	7328.4	8024.8	7443.2	6295.2	6232.1	7058.5
47.5°	7240.1	7275.5	6748.1	5764.1	6876.8	8505.5	9451.7	8555.9	6599.3	6455.4	8251.9
50°	7993.3	8017.3	7327.2	5880.2	7382.7	9774.6	11077.8	9875.5	6941.1	6825.1	9365.9
52.5°	8548.4	8639.2	8087.9	6118.6	8047.5	11267.1	12878.1	11438.6	7474.8	7539.1	10289.3
55°	8663.2	8786.8	8607.7	6264.9	8632.9	12787.2	14540.8	12837.7	8007.2	8080.3	10599.7
57.5°	7613.6	7712.0	7860.8	5674.5	8619.0	13483.6	15505.9	13302.0	7764.9	7246.4	9437.8
60°	5703.5	5771.7	6041.6	4337.3	7926.4	12868.0	14754.0	12512.2	6789.8	5529.4	7190.9
62.5°	3382.3	3412.5	3754.4	2809.5	6579.1	11081.6	12235.9	10796.5	5365.4	3719.1	4404.1
65°	1298.2	1285.5	1546.7	1386.5	4838.1	8827.2	9100.9	8230.5	3681.3	1704.4	1679.1
67.5°	200.6	191.8	258.6	410.0	3489.5	6117.3	6005.1	5931.9	2306.1	397.4	346.9
70°	45.4	45.4	55.5	121.1	2132.0	3594.2	3846.5	3667.4	1476.0	84.5	45.4
72.5°	21.4	21.4	26.5	51.7	772.1	1481.1	1725.8	1699.3	479.4	27.8	16.4
75°	7.6	8.8	8.8	11.4	46.7	77.0	176.6	126.2	30.3	0.0	0.0
77.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	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°	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1
2.5°	1834.3	1825.5	1792.7	1748.5	1705.6	1667.8	1628.7	1582.0	1547.9	1508.8	1496.2
5°	2038.7	1983.2	1893.6	1800.3	1714.5	1641.3	1570.7	1495.0	1439.4	1383.9	1365.0
7.5°	2211.5	2129.5	1984.4	1844.4	1727.1	1623.6	1521.4	1418.0	1337.3	1271.7	1251.5
10°	2366.7	2272.1	2077.8	1905.0	1757.4	1637.5	1513.9	1383.9	1279.2	1201.0	1182.1
12.5°	2500.4	2390.7	2157.3	1950.4	1770.0	1632.5	1512.6	1409.2	1314.6	1225.0	1201.0
15°	2612.7	2491.6	2224.1	1980.7	1751.1	1569.4	1464.7	1448.3	1440.7	1342.3	1295.6
17.5°	2722.5	2586.2	2278.4	1994.5	1698.1	1458.4	1382.7	1457.1	1536.6	1472.2	1413.0
20°	2837.3	2682.1	2333.9	1997.1	1609.8	1333.5	1320.9	1438.2	1539.1	1518.9	1463.4
22.5°	2972.3	2801.9	2403.3	1995.8	1498.7	1227.5	1275.4	1401.6	1483.6	1482.3	1438.2
25°	3167.8	2953.3	2496.6	2003.4	1377.6	1145.5	1225.0	1339.8	1406.6	1404.1	1367.5
27.5°	3377.2	3133.7	2617.8	2022.3	1274.2	1097.6	1165.7	1255.3	1313.3	1310.8	1279.2
30°	3671.2	3341.9	2733.8	2023.6	1199.8	1072.3	1100.1	1161.9	1217.4	1211.1	1187.1
32.5°	4028.2	3576.5	2831.0	1951.6	1153.1	1048.4	1032.0	1063.5	1106.4	1097.6	1091.3
35°	4459.6	3855.3	2914.2	1793.9	1081.2	1000.4	956.3	962.6	992.9	997.9	995.4
37.5°	4951.7	4187.1	3017.7	1585.8	984.0	931.0	871.7	866.7	884.4	900.8	913.4
40°	5437.4	4560.6	3157.7	1375.1	895.7	842.7	786.0	773.3	780.9	809.9	836.4
42.5°	5983.6	4993.3	3309.1	1194.7	835.2	745.6	691.3	667.4	688.8	735.5	767.0
45°	6770.8	5600.1	3456.7	1050.9	809.9	659.8	586.6	584.1	608.1	668.6	704.0
47.5°	7876.0	6384.8	3553.8	938.6	808.7	592.9	505.9	521.0	548.8	608.1	648.4
50°	8953.3	7367.6	3446.6	852.8	782.2	548.8	445.3	475.6	503.4	555.1	596.7
52.5°	9603.0	7896.1	3029.0	772.1	700.2	528.6	386.0	439.0	444.1	490.7	534.9
55°	9534.9	7554.3	2320.0	647.2	579.1	499.6	324.2	396.1	398.7	434.0	471.8
57.5°	8275.9	6485.7	1593.4	524.8	435.2	412.5	267.5	334.3	358.3	379.7	407.5
60°	6167.8	4732.1	710.3	426.4	276.3	278.8	228.3	252.3	288.9	314.1	338.1
62.5°	3634.6	2722.5	288.9	256.1	152.6	175.4	184.2	184.2	206.9	225.8	241.0
65°	1373.8	952.5	117.3	128.7	79.5	82.0	108.5	133.7	151.4	167.8	188.0
67.5°	241.0	166.5	60.6	47.9	46.7	41.6	55.5	87.0	97.1	109.8	118.6
70°	40.4	34.1	25.2	24.0	21.4	22.7	36.6	61.8	68.1	71.9	75.7
72.5°	11.4	10.1	7.6	6.3	5.0	6.3	22.7	47.9	50.5	53.0	56.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	8.8	34.1	36.6	37.8	41.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	10.1	12.6	10.1
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°	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1
2.5°	1488.6	1463.4	1449.5	1442.0	1442.0	1431.9	1420.5	1416.7	1433.1	1433.1	1460.9
5°	1341.0	1320.9	1298.2	1284.3	1262.8	1266.6	1254.0	1252.7	1269.1	1276.7	1305.7
7.5°	1238.9	1213.6	1199.8	1190.9	1179.6	1174.5	1163.2	1159.4	1168.2	1180.8	1208.6
10°	1170.7	1166.9	1165.7	1172.0	1172.0	1165.7	1155.6	1149.3	1151.8	1175.8	1207.3
12.5°	1188.4	1196.0	1198.5	1208.6	1213.6	1208.6	1201.0	1203.5	1219.9	1264.1	1310.8
15°	1265.4	1259.0	1256.5	1261.6	1265.4	1260.3	1257.8	1276.7	1333.5	1396.6	1449.5
17.5°	1347.4	1307.0	1289.3	1289.3	1291.8	1289.3	1291.8	1328.4	1420.5	1483.6	1522.7
20°	1389.0	1314.6	1286.8	1280.5	1285.5	1286.8	1295.6	1337.3	1438.2	1482.3	1491.2
22.5°	1376.4	1283.0	1251.5	1246.4	1251.5	1256.5	1265.4	1300.7	1395.3	1418.0	1414.2
25°	1313.3	1221.2	1196.0	1196.0	1207.3	1206.1	1209.8	1235.1	1313.3	1327.2	1320.9
27.5°	1233.8	1146.8	1125.3	1137.9	1148.0	1145.5	1146.8	1168.2	1226.2	1230.0	1223.7
30°	1153.1	1077.4	1057.2	1072.3	1086.2	1083.7	1084.9	1106.4	1143.0	1139.2	1130.4
32.5°	1071.1	1015.6	1000.4	1009.3	1030.7	1028.2	1033.2	1055.9	1069.8	1053.4	1043.3
35°	995.4	966.4	955.0	960.1	976.5	980.2	989.1	1004.2	1004.2	984.0	966.4
37.5°	924.7	920.9	913.4	907.1	922.2	933.6	946.2	963.8	938.6	909.6	893.2
40°	859.1	875.5	865.4	849.0	857.9	874.3	899.5	913.4	883.1	854.1	826.3
42.5°	798.6	826.3	822.5	802.4	809.9	825.1	854.1	865.4	830.1	797.3	770.8
45°	740.5	779.6	782.2	756.9	764.5	779.6	813.7	817.5	772.1	736.8	717.8
47.5°	690.1	733.0	734.2	715.3	717.8	739.3	770.8	772.1	720.4	687.6	663.6
50°	642.1	691.3	695.1	678.7	681.2	706.5	733.0	727.9	672.4	638.4	616.9
52.5°	584.1	651.0	659.8	652.2	662.3	682.5	698.9	681.2	616.9	582.8	563.9
55°	521.0	608.1	627.0	622.0	633.3	649.7	653.5	642.1	561.4	527.3	509.7
57.5°	447.9	500.8	533.6	523.6	532.4	548.8	560.1	551.3	490.7	464.3	449.1
60°	370.9	406.2	413.8	397.4	389.8	418.8	445.3	434.0	382.3	365.9	348.2
62.5°	271.2	311.6	316.7	295.2	286.4	317.9	340.6	329.3	272.5	254.8	241.0
65°	217.0	254.8	264.9	244.7	239.7	263.7	277.5	249.8	209.4	190.5	175.4
67.5°	142.6	172.8	199.3	198.1	188.0	195.5	185.5	162.7	133.7	123.6	113.5
70°	88.3	106.0	122.4	128.7	127.4	124.9	111.0	94.6	85.8	82.0	77.0
72.5°	68.1	85.8	98.4	102.2	103.4	99.7	88.3	73.2	64.3	59.3	55.5
75°	50.5	64.3	74.4	79.5	82.0	79.5	68.1	58.0	49.2	45.4	41.6
77.5°	17.7	21.4	26.5	29.0	27.8	26.5	24.0	24.0	18.9	17.7	15.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1	1650.1
2.5°	1492.4	1515.1	1556.8	1594.6	1635.0	1676.6	1722.0	1768.7	1790.2	1787.6
5°	1349.9	1399.1	1467.2	1541.6	1624.9	1714.5	1814.1	1916.3	1960.5	1979.4
7.5°	1260.3	1329.7	1419.3	1513.9	1623.6	1751.1	1901.2	2061.4	2125.7	2147.2
10°	1271.7	1352.4	1426.8	1518.9	1636.3	1801.5	1988.2	2178.7	2254.4	2278.4
12.5°	1363.8	1381.4	1401.6	1477.3	1624.9	1839.4	2067.7	2294.8	2381.8	2405.8
15°	1447.0	1365.0	1327.2	1396.6	1584.5	1865.9	2148.4	2419.7	2515.6	2543.3
17.5°	1450.8	1327.2	1242.6	1296.9	1518.9	1877.2	2227.9	2547.1	2651.8	2678.3
20°	1404.1	1285.5	1177.0	1178.3	1429.4	1874.7	2293.5	2661.9	2779.2	2803.2
22.5°	1336.0	1236.3	1124.1	1084.9	1333.5	1869.6	2365.4	2784.3	2911.7	2934.4
25°	1260.3	1173.3	1073.6	1014.3	1237.6	1874.7	2466.4	2944.5	3084.5	3106.0
27.5°	1178.3	1103.9	1034.5	986.5	1156.9	1893.6	2587.5	3148.9	3315.4	3338.1
30°	1092.5	1037.0	1009.3	980.2	1106.4	1898.7	2718.7	3387.3	3598.0	3629.5
32.5°	1008.0	977.7	979.0	984.0	1058.5	1863.3	2838.5	3652.2	3933.6	3984.0
35°	929.8	920.9	946.2	971.4	989.1	1772.5	2943.2	3965.1	4348.6	4400.3
37.5°	862.9	870.5	902.0	927.3	913.4	1643.8	3082.0	4356.2	4812.9	4857.0
40°	798.6	817.5	854.1	865.4	855.3	1493.7	3248.5	4733.4	5215.3	5275.9
42.5°	739.3	753.2	804.9	807.4	838.9	1341.0	3408.8	5139.6	5678.3	5709.9
45°	691.3	688.8	741.8	758.2	860.4	1172.0	3565.2	5680.8	6283.9	6329.3
47.5°	644.7	642.1	654.8	729.2	869.2	1015.6	3720.4	6473.1	7161.9	7240.1
50°	600.5	604.3	565.2	715.3	821.3	895.7	3791.0	7206.1	7960.5	7993.3
52.5°	561.4	547.5	479.4	669.9	719.1	782.2	3590.4	7539.1	8455.0	8548.4
55°	505.9	428.9	394.9	543.7	567.7	682.5	2940.7	7346.1	8497.9	8663.2
57.5°	432.7	336.8	335.6	401.2	401.2	633.3	1883.5	6276.3	7323.4	7613.6
60°	333.1	261.1	277.5	278.8	257.4	461.7	1057.2	4546.7	5414.6	5703.5
62.5°	237.2	199.3	209.4	166.5	147.6	230.9	507.1	2617.8	3341.9	3382.3
65°	159.0	135.0	109.8	92.1	90.8	98.4	209.4	946.2	1150.5	1298.2
67.5°	104.7	82.0	58.0	58.0	65.6	65.6	79.5	156.4	219.5	200.6
70°	68.1	56.8	36.6	35.3	42.9	42.9	40.4	42.9	45.4	45.4
72.5°	50.5	42.9	21.4	18.9	24.0	25.2	22.7	21.4	21.4	21.4
75°	37.8	30.3	12.6	8.8	11.4	15.1	12.6	8.8	8.8	7.6
77.5°	15.1	11.4	5.0	3.8	6.3	8.8	7.6	3.8	2.5	2.5
80°	1.3	2.5	2.5	2.5	3.8	5.0	6.3	2.5	1.3	1.3
82.5°	0.0	1.3	1.3	1.3	2.5	3.8	5.0	2.5	1.3	1.3
85°	0.0	0.0	0.0	0.0	2.5	3.8	2.5	1.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.3	3.8	2.5	1.3	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)