

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: P635516

Luminaire Tested: GWS-SA3D-830-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-830-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13236.7 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

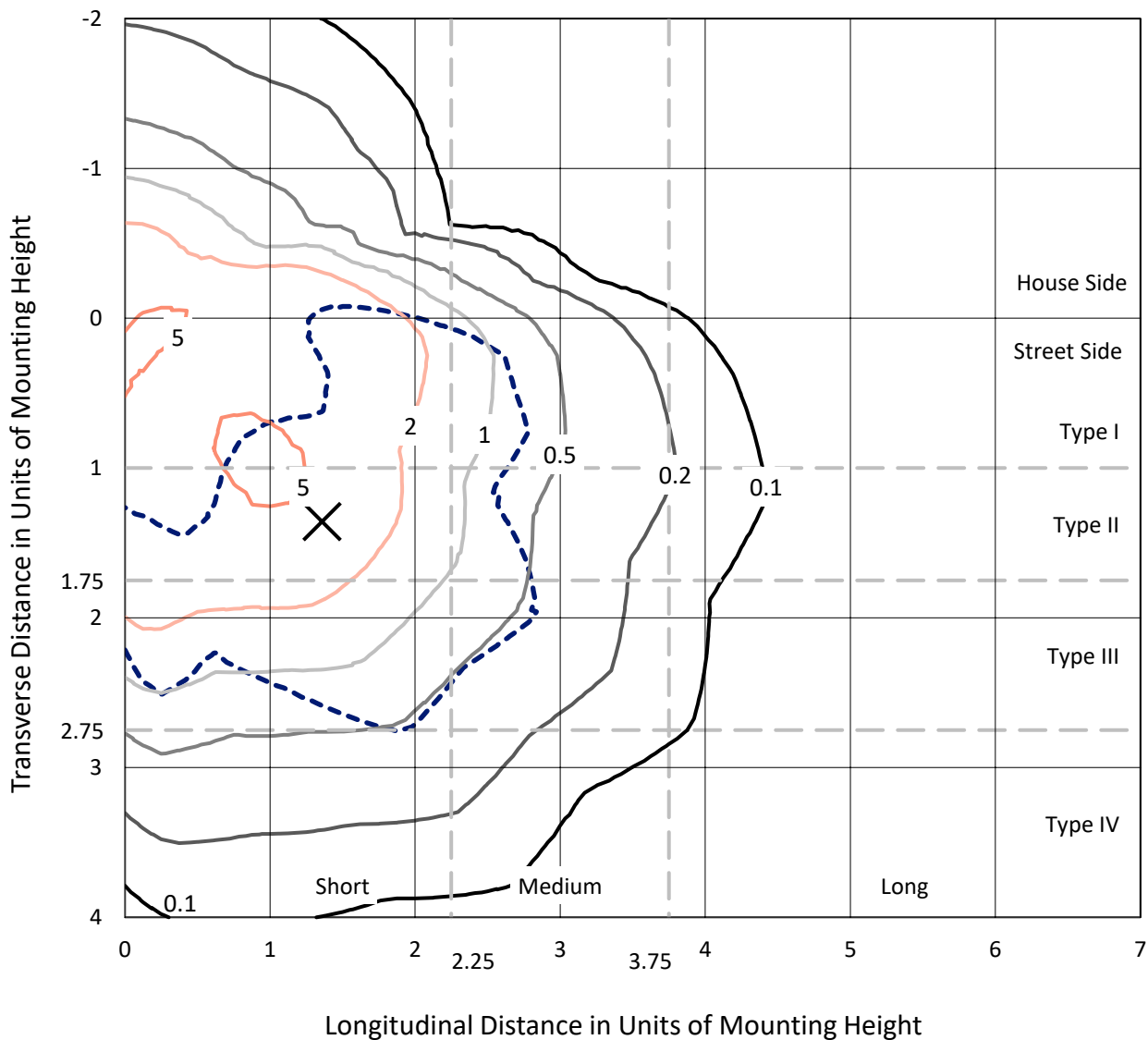
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

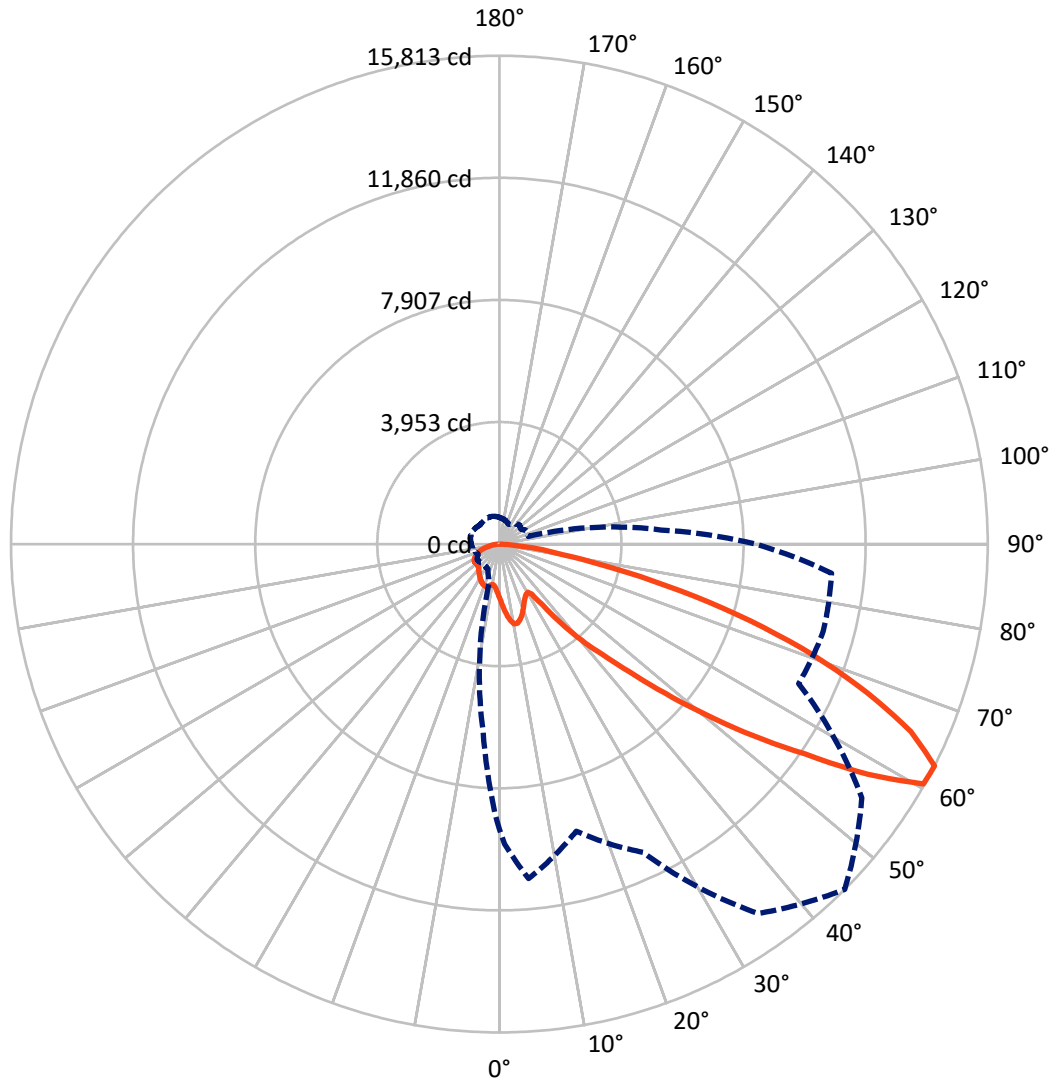
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3158.5	0.0	3158.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	10078.2	0.0	10078.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	13236.7	0.0	13236.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	1.3
10°-20°	537.8	4.1
20°-30°	835.4	6.3
30°-40°	1134.3	8.6
40°-50°	1797.7	13.6
50°-60°	3171.1	24.0
60°-70°	3528.4	26.7
70°-80°	1789.5	13.5
80°-90°	271.0	2.0
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°	13236.7	100.0
0°-180°	13236.7	100.0

Coefficient of Utilization



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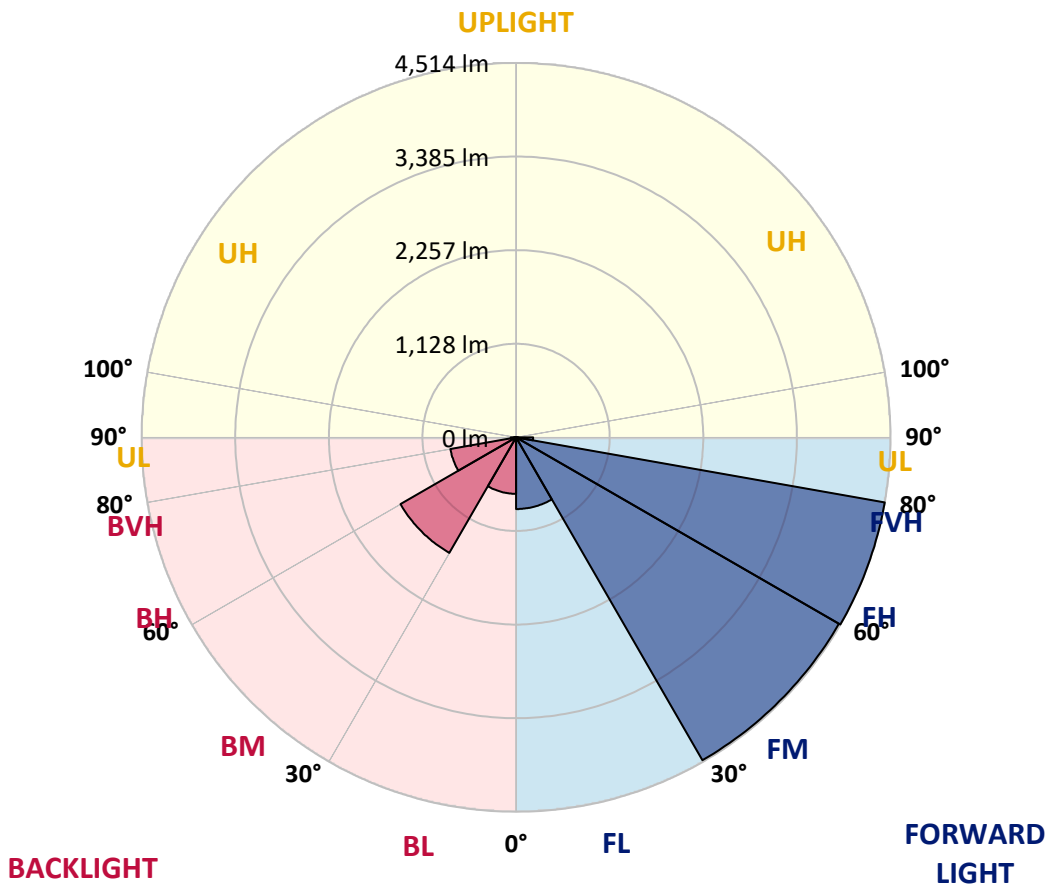
CATALOG NUMBER: GWS-SA3D-830-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.2	6.5			
FM (30°-60°)	4494.4	34.0			
FH (60°-80°)	4513.8	34.1			G2/5000
FVH (80°-90°)	205.7	1.6			G2/225
BL (0°-30°)	680.6	5.1	B2/1000		
BM (30°-60°)	1608.7	12.2	B2/2500		
BH (60°-80°)	804.0	6.1	B2/1000		G2/1000
BVH (80°-90°)	65.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8
2.5°	1888.1	1887.1	1906.1	1935.2	1962.2	1974.2	1994.3	1992.3	1976.3	1955.2	1948.2
5°	2036.4	2040.4	2073.5	2137.6	2208.8	2238.8	2251.8	2246.8	2217.8	2180.7	2115.6
7.5°	2170.7	2177.7	2228.8	2325.0	2413.2	2453.3	2485.3	2479.3	2437.2	2368.1	2271.9
10°	2268.9	2276.9	2338.0	2451.3	2549.5	2584.6	2625.7	2627.7	2590.6	2497.4	2399.2
12.5°	2367.1	2375.1	2432.2	2535.5	2599.6	2600.6	2624.6	2637.7	2639.7	2596.6	2498.4
15°	2469.3	2476.3	2528.4	2586.6	2583.6	2527.4	2527.4	2552.5	2607.6	2638.7	2570.5
17.5°	2556.5	2565.5	2605.6	2586.6	2497.4	2396.2	2384.1	2416.2	2512.4	2631.7	2624.6
20°	2628.7	2635.7	2657.7	2531.4	2369.1	2236.8	2213.8	2250.8	2381.1	2588.6	2665.7
22.5°	2697.8	2701.8	2689.8	2459.3	2230.8	2079.5	2051.4	2090.5	2230.8	2512.4	2700.8
25°	2780.0	2776.0	2718.9	2384.1	2104.5	1955.2	1926.1	1970.2	2116.6	2411.2	2738.9
27.5°	2875.2	2860.2	2743.9	2303.0	2007.3	1863.0	1843.0	1890.1	2026.4	2318.0	2769.0
30°	2956.4	2927.3	2747.9	2230.8	1957.2	1823.9	1811.9	1856.0	1982.3	2254.9	2807.0
32.5°	3046.6	3006.5	2771.0	2211.8	1985.3	1918.1	1934.2	1937.2	1994.3	2236.8	2864.2
35°	3175.8	3123.7	2834.1	2266.9	2273.9	2387.1	2445.3	2367.1	2175.7	2276.9	2972.4
37.5°	3371.3	3305.1	2962.4	2505.4	2870.2	3123.7	3264.0	3085.6	2726.9	2428.2	3135.7
40°	3608.8	3524.6	3126.7	2946.3	3427.4	3833.2	4082.8	3821.2	3294.1	2806.0	3365.2
42.5°	3940.5	3852.3	3445.4	3379.3	3943.5	4547.8	4873.5	4483.6	3794.2	3294.1	3733.0
45°	4518.7	4433.5	4029.7	3813.2	4547.8	5427.7	5884.7	5342.5	4302.3	3784.1	4420.5
47.5°	5587.0	5486.8	4897.5	4294.2	5237.3	6570.1	7209.5	6419.8	4830.4	4345.4	5575.0
50°	6869.8	6773.6	5986.9	4863.5	5998.9	7791.8	8680.7	7685.5	5438.7	5027.8	6955.0
52.5°	8413.1	8395.1	7541.2	5583.0	6791.6	9094.6	10313.2	9087.6	6105.1	5946.8	8518.3
55°	9804.1	9980.5	9515.5	6680.4	7815.8	10731.1	11991.8	10616.8	7009.1	7466.1	10349.3
57.5°	10553.7	11027.7	11742.3	8919.2	9305.0	12687.3	14063.3	12483.9	8562.4	9995.5	12046.9
60°	10058.6	10595.8	11890.6	10604.8	10782.2	14254.7	15772.9	14053.2	10087.7	11751.3	11950.7
62.5°	9234.9	9716.9	10868.4	9620.7	11010.7	14599.4	15813.0	14326.8	10694.0	10860.4	10795.2
65°	8257.8	8743.8	9963.4	8398.1	10284.1	13780.7	14646.5	13522.1	9604.7	9812.1	9836.2
67.5°	6960.0	7408.9	8650.6	7467.1	9374.2	12579.1	12855.7	12375.6	8845.0	9175.7	8830.0
70°	5200.2	5605.1	6701.4	6068.1	7902.0	11013.7	10790.2	10861.4	7992.2	8320.9	7375.9
72.5°	3553.6	3858.3	4798.3	4768.3	6051.0	8817.0	8505.3	9179.8	6675.4	7111.3	5623.1
75°	2485.3	2722.9	3468.5	3767.1	4573.8	6535.1	6057.0	6870.8	5213.2	5835.6	4102.8
77.5°	1525.3	1682.6	2190.7	2791.0	2942.3	4472.6	3762.1	5170.1	3660.9	4256.2	2736.9
80°	762.6	838.8	1064.3	1754.8	1951.2	2635.7	2077.5	3001.5	2477.3	2635.7	1514.3
82.5°	230.5	254.5	311.7	666.4	1011.2	1517.3	1227.6	1743.8	1352.9	1235.7	596.3
85°	61.1	69.1	86.2	197.4	354.8	544.2	414.9	844.8	648.4	456.0	224.5
87.5°	5.0	5.0	4.0	4.0	2.0	0.0	0.0	60.1	121.3	69.1	39.1
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°	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8
2.5°	1913.1	1909.1	1868.0	1838.0	1802.9	1768.8	1733.7	1702.7	1667.6	1632.5	1622.5
5°	2067.4	2039.4	1952.2	1879.0	1806.9	1743.8	1688.6	1631.5	1585.4	1540.3	1523.3
7.5°	2203.7	2154.6	2028.4	1917.1	1816.9	1738.7	1657.6	1574.4	1509.2	1445.1	1429.1
10°	2327.0	2261.9	2102.5	1962.2	1851.0	1761.8	1666.6	1555.3	1461.1	1383.0	1361.9
12.5°	2418.2	2347.1	2166.7	2005.3	1879.0	1778.8	1684.6	1586.4	1487.2	1386.0	1362.9
15°	2490.4	2416.2	2219.8	2038.4	1880.0	1750.8	1659.6	1625.5	1594.4	1495.2	1453.1
17.5°	2548.5	2470.3	2265.9	2058.4	1853.0	1665.6	1586.4	1636.5	1715.7	1653.6	1574.4
20°	2601.6	2522.4	2301.0	2072.5	1792.9	1548.3	1504.2	1610.5	1729.7	1727.7	1656.6
22.5°	2659.7	2582.6	2352.1	2080.5	1708.7	1429.1	1455.1	1572.4	1669.6	1698.7	1654.6
25°	2733.9	2665.7	2423.2	2098.5	1613.5	1346.9	1419.1	1523.3	1604.5	1611.5	1585.4
27.5°	2820.1	2769.0	2529.4	2140.6	1521.3	1304.8	1377.0	1454.1	1528.3	1531.3	1500.2
30°	2914.3	2880.2	2627.7	2175.7	1452.1	1291.8	1322.8	1385.0	1432.1	1440.1	1413.0
32.5°	3034.5	3004.5	2714.8	2152.6	1411.0	1288.8	1272.7	1304.8	1343.9	1343.9	1322.8
35°	3199.9	3157.8	2807.0	2064.4	1360.9	1276.7	1219.6	1228.6	1245.7	1248.7	1236.7
37.5°	3434.4	3365.2	2900.2	1890.1	1278.8	1233.7	1158.5	1147.5	1153.5	1161.5	1158.5
40°	3725.0	3611.8	3036.5	1680.6	1180.5	1150.5	1095.4	1074.3	1069.3	1085.3	1091.3
42.5°	4090.8	3917.4	3182.8	1485.2	1091.3	1055.3	1021.2	1003.2	995.1	1022.2	1038.2
45°	4675.1	4389.4	3323.2	1291.8	1041.2	974.1	951.0	938.0	942.0	974.1	994.1
47.5°	5684.2	5110.0	3456.4	1169.5	1037.2	916.0	887.9	890.9	901.9	936.0	960.1
50°	6961.0	6075.1	3545.6	1118.4	1049.3	880.9	843.8	859.9	876.9	910.0	938.0
52.5°	8260.8	6974.0	3439.4	1090.3	1048.3	881.9	802.7	850.8	858.8	891.9	922.0
55°	9154.7	7074.2	2971.4	1047.3	1032.2	922.0	770.7	846.8	851.8	881.9	909.0
57.5°	9495.4	6731.5	2265.9	1059.3	984.1	953.1	756.6	818.8	854.8	880.9	909.0
60°	9083.5	6085.1	1377.0	1090.3	907.0	951.0	765.6	767.7	829.8	873.9	901.9
62.5°	8306.9	5255.3	967.1	1002.2	850.8	897.9	786.7	707.5	785.7	838.8	863.9
65°	7417.0	4279.2	737.6	862.9	823.8	815.8	793.7	654.4	725.6	777.7	799.7
67.5°	6490.0	3326.2	599.3	643.4	744.6	737.6	725.6	607.3	654.4	691.5	716.5
70°	5322.5	2327.0	506.1	483.0	638.4	661.4	634.4	548.2	563.2	601.3	621.3
72.5°	3893.4	1450.1	415.9	398.9	513.1	578.2	564.2	483.0	490.1	526.1	542.2
75°	2800.0	829.8	333.7	328.7	391.8	495.1	467.0	415.9	423.9	451.0	462.0
77.5°	1779.8	462.0	257.6	264.6	280.6	369.8	398.9	355.8	355.8	371.8	380.8
80°	953.1	264.6	188.4	191.4	196.4	282.6	314.7	275.6	275.6	264.6	275.6
82.5°	388.8	152.3	129.3	120.3	131.3	193.4	220.5	175.4	183.4	165.4	169.4
85°	128.3	76.2	64.1	63.1	62.1	85.2	106.2	87.2	104.2	66.1	69.1
87.5°	17.0	14.0	8.0	6.0	7.0	3.0	6.0	7.0	7.0	5.0	5.0
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°	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8
2.5°	1615.5	1607.5	1578.4	1585.4	1580.4	1572.4	1580.4	1565.4	1577.4	1581.4	1606.5
5°	1510.2	1491.2	1463.1	1449.1	1446.1	1438.1	1439.1	1432.1	1434.1	1451.1	1479.2
7.5°	1416.0	1398.0	1376.0	1365.9	1356.9	1347.9	1346.9	1345.9	1353.9	1368.9	1396.0
10°	1347.9	1337.9	1328.9	1332.9	1328.9	1324.9	1317.8	1317.8	1330.9	1357.9	1391.0
12.5°	1347.9	1345.9	1347.9	1359.9	1358.9	1359.9	1350.9	1355.9	1392.0	1438.1	1485.2
15°	1420.1	1404.0	1404.0	1410.0	1408.0	1408.0	1408.0	1429.1	1511.3	1582.4	1632.5
17.5°	1508.2	1461.1	1441.1	1438.1	1437.1	1437.1	1441.1	1486.2	1614.5	1689.6	1718.7
20°	1569.4	1480.2	1447.1	1434.1	1435.1	1437.1	1449.1	1511.3	1652.6	1690.6	1683.6
22.5°	1580.4	1465.2	1425.1	1406.0	1409.0	1411.0	1429.1	1495.2	1600.4	1606.5	1592.4
25°	1529.3	1423.1	1380.0	1364.9	1368.9	1367.9	1384.0	1432.1	1507.2	1505.2	1497.2
27.5°	1453.1	1355.9	1323.8	1313.8	1320.8	1312.8	1317.8	1354.9	1413.0	1411.0	1408.0
30°	1375.0	1290.8	1261.7	1256.7	1265.7	1253.7	1254.7	1285.8	1325.9	1323.8	1322.8
32.5°	1296.8	1225.6	1199.6	1199.6	1208.6	1195.6	1197.6	1224.6	1251.7	1243.7	1243.7
35°	1222.6	1172.5	1151.5	1147.5	1154.5	1145.5	1149.5	1174.5	1184.5	1173.5	1166.5
37.5°	1157.5	1135.4	1114.4	1100.4	1101.4	1102.4	1114.4	1133.4	1127.4	1111.4	1102.4
40°	1097.4	1097.4	1077.3	1051.3	1048.3	1055.3	1075.3	1096.4	1079.3	1061.3	1050.3
42.5°	1054.3	1063.3	1044.2	1018.2	1012.2	1024.2	1046.3	1061.3	1041.2	1021.2	1006.2
45°	1014.2	1036.2	1023.2	994.1	986.1	1000.2	1028.2	1034.2	1007.2	988.1	977.1
47.5°	986.1	1016.2	1007.2	979.1	967.1	987.1	1016.2	1015.2	981.1	961.1	952.0
50°	966.1	1004.2	1003.2	979.1	966.1	991.1	1017.2	1004.2	967.1	946.0	937.0
52.5°	950.0	1003.2	1010.2	996.1	987.1	1009.2	1025.2	1000.2	957.1	935.0	928.0
55°	943.0	1007.2	1012.2	999.2	991.1	1011.2	1025.2	1008.2	957.1	937.0	931.0
57.5°	945.0	1002.2	1003.2	985.1	971.1	996.1	1018.2	1013.2	968.1	945.0	938.0
60°	933.0	975.1	977.1	949.0	933.0	963.1	1002.2	999.2	963.1	939.0	926.0
62.5°	892.9	930.0	931.0	904.9	881.9	925.0	968.1	967.1	934.0	910.0	894.9
65°	825.8	864.9	874.9	849.8	831.8	877.9	923.0	921.0	887.9	865.9	850.8
67.5°	742.6	784.7	803.7	786.7	779.7	821.8	863.9	862.9	835.8	814.8	801.7
70°	641.4	676.5	708.5	708.5	703.5	751.6	796.7	792.7	767.7	751.6	741.6
72.5°	557.2	584.3	594.3	604.3	619.3	669.4	707.5	710.5	692.5	684.5	692.5
75°	474.0	491.1	500.1	492.1	518.1	570.2	620.3	625.3	606.3	593.3	596.3
77.5°	389.8	408.9	417.9	399.9	397.9	464.0	525.1	536.2	520.1	500.1	506.1
80°	281.6	306.7	321.7	309.7	305.7	334.7	418.9	430.9	415.9	399.9	408.9
82.5°	172.4	186.4	190.4	202.4	227.5	239.5	269.6	309.7	298.6	284.6	309.7
85°	68.1	81.2	90.2	102.2	119.3	141.3	166.4	198.4	180.4	174.4	205.4
87.5°	4.0	1.0	0.0	2.0	17.0	33.1	71.2	98.2	82.2	88.2	106.2
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°	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8	1756.8
2.5°	1626.5	1652.6	1687.6	1716.7	1753.8	1788.8	1824.9	1861.0	1880.0	1888.1
5°	1511.3	1559.4	1615.5	1677.6	1749.8	1825.9	1903.1	1982.3	2032.4	2036.4
7.5°	1442.1	1511.3	1588.4	1666.6	1755.8	1861.0	1983.3	2105.5	2156.6	2170.7
10°	1464.2	1541.3	1602.4	1675.6	1773.8	1905.1	2049.4	2192.7	2251.8	2268.9
12.5°	1552.3	1567.4	1586.4	1653.6	1773.8	1943.2	2117.6	2287.9	2351.1	2367.1
15°	1625.5	1553.3	1519.3	1590.4	1749.8	1976.3	2189.7	2378.1	2454.3	2469.3
17.5°	1631.5	1507.2	1433.1	1497.2	1707.7	1999.3	2258.9	2478.3	2542.5	2556.5
20°	1570.4	1458.1	1361.9	1401.0	1650.6	2009.3	2309.0	2551.5	2614.6	2628.7
22.5°	1501.2	1418.1	1313.8	1311.8	1581.4	2020.3	2369.1	2620.6	2688.8	2697.8
25°	1436.1	1362.9	1274.7	1246.7	1501.2	2041.4	2450.3	2724.9	2777.0	2780.0
27.5°	1359.9	1303.8	1243.7	1216.6	1431.1	2081.5	2570.5	2849.1	2880.2	2875.2
30°	1290.8	1248.7	1221.6	1213.6	1387.0	2111.5	2684.8	2971.4	2973.4	2956.4
32.5°	1217.6	1201.6	1201.6	1227.6	1350.9	2104.5	2778.0	3090.7	3071.6	3046.6
35°	1152.5	1155.5	1176.5	1237.7	1290.8	2034.4	2867.2	3240.0	3211.9	3175.8
37.5°	1090.3	1113.4	1143.5	1202.6	1211.6	1930.2	2971.4	3451.4	3416.4	3371.3
40°	1037.2	1072.3	1107.4	1136.4	1127.4	1781.8	3116.7	3700.0	3660.9	3608.8
42.5°	995.1	1029.2	1068.3	1071.3	1074.3	1627.5	3271.0	4004.6	3997.6	3940.5
45°	968.1	990.1	1027.2	1022.2	1071.3	1457.1	3413.3	4469.6	4561.8	4518.7
47.5°	950.0	967.1	971.1	992.1	1097.4	1304.8	3596.7	5379.6	5636.1	5587.0
50°	940.0	957.1	912.0	994.1	1101.4	1206.6	3850.3	6522.0	6934.9	6869.8
52.5°	939.0	935.0	866.9	1015.2	1079.3	1146.5	3982.6	7355.8	8271.8	8413.1
55°	941.0	890.9	843.8	1021.2	1035.2	1124.4	3539.6	7756.7	9505.5	9804.1
57.5°	923.0	842.8	856.8	997.1	952.0	1183.5	2616.6	7613.4	9998.5	10553.7
60°	888.9	796.7	880.9	932.0	866.9	1082.3	1801.9	6974.0	9487.4	10058.6
62.5°	839.8	764.6	877.9	847.8	835.8	885.9	1238.7	6079.1	8676.7	9234.9
65°	784.7	738.6	830.8	766.6	773.7	681.5	875.9	5068.9	7708.6	8257.8
67.5°	725.6	722.6	761.6	682.5	653.4	540.2	638.4	4062.7	6464.9	6960.0
70°	658.4	680.5	692.5	606.3	530.1	423.9	474.0	2841.1	4769.3	5200.2
72.5°	591.3	593.3	610.3	527.1	396.9	339.7	355.8	1720.7	3240.0	3553.6
75°	523.1	504.1	520.1	428.9	295.6	278.6	274.6	1063.3	2237.8	2485.3
77.5°	450.0	428.9	407.9	322.7	237.5	215.5	210.5	596.3	1373.0	1525.3
80°	365.8	337.7	304.7	236.5	173.4	154.3	153.3	290.6	684.5	762.6
82.5°	284.6	231.5	222.5	147.3	107.2	94.2	100.2	111.2	206.4	230.5
85°	199.4	168.4	118.3	59.1	48.1	39.1	38.1	33.1	55.1	61.1
87.5°	111.2	73.2	38.1	7.0	8.0	9.0	7.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)