

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: P642498

Luminaire Tested: GWS-SA6D-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642498
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-SA6D-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14076.9 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

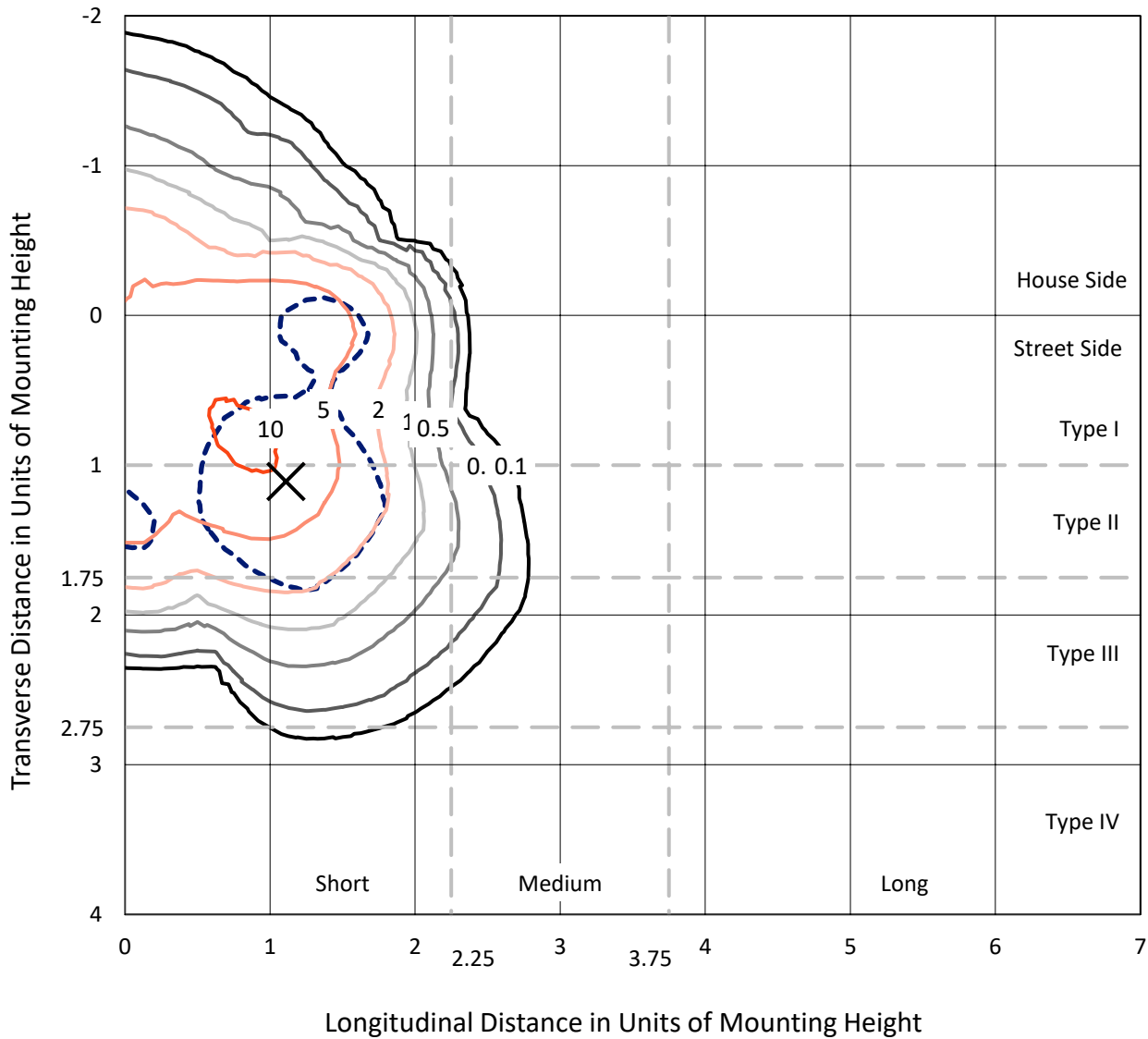
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

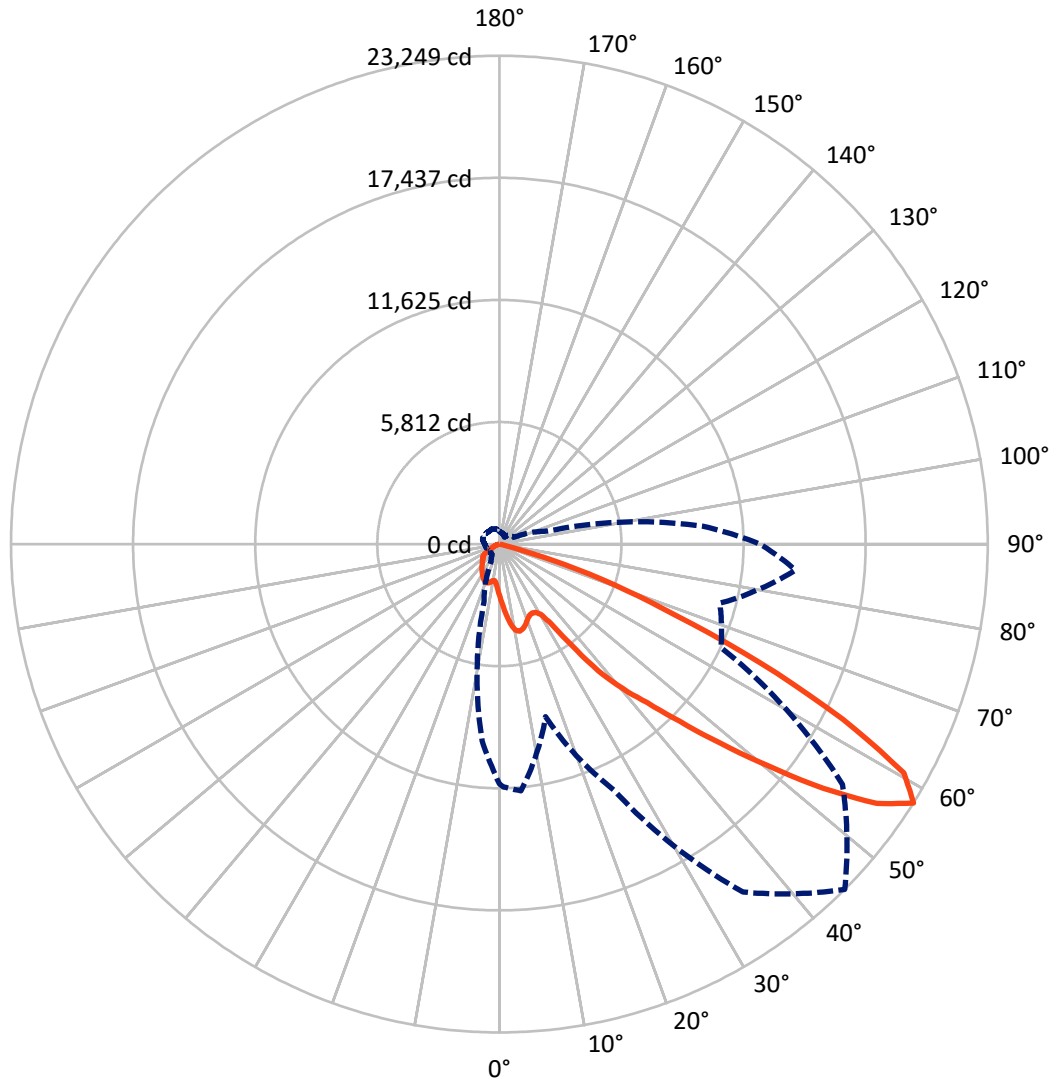
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11 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	3152.2	0.0	3152.2
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	10924.7	0.0	10924.7
	% Fixture	77.6	0.0	77.6
Total	Lumens	14076.9	0.0	14076.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.4	1.7
10°-20°	787.4	5.6
20°-30°	1279.1	9.1
30°-40°	1976.3	14.0
40°-50°	3169.1	22.5
50°-60°	4331.3	30.8
60°-70°	2097.7	14.9
70°-80°	192.1	1.4
80°-90°	0.6	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°	14076.9	100.0
0°-180°	14076.9	100.0

Coefficient of Utilization



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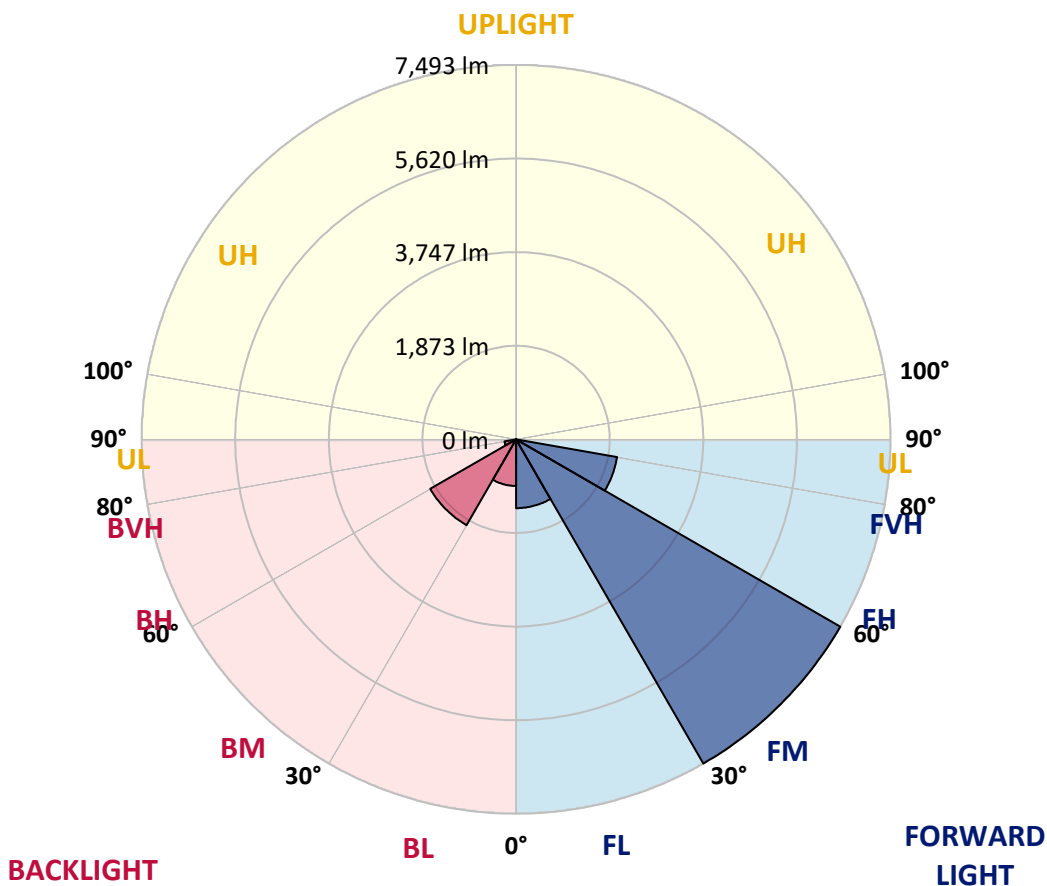
CATALOG NUMBER: GWS-SA6D-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1377.1	9.8			
FM (30°-60°)	7493.4	53.2			
FH (60°-80°)	2053.6	14.6			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	932.7	6.6	B2/1000		
BM (30°-60°)	1983.2	14.1	B2/2500		
BH (60°-80°)	236.3	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2
2.5°	2680.3	2697.4	2725.7	2786.3	2837.3	2871.4	2886.5	2882.7	2861.9	2846.8	2816.5
5°	2967.9	2967.9	3022.7	3160.8	3266.7	3332.9	3367.0	3346.2	3304.6	3238.4	3136.2
7.5°	3219.4	3228.9	3321.6	3518.3	3679.1	3773.7	3828.5	3817.2	3743.4	3616.7	3412.4
10°	3416.2	3427.5	3550.5	3790.7	3979.9	4076.3	4157.7	4165.2	4083.9	3915.5	3681.0
12.5°	3607.2	3618.6	3747.2	3978.0	4144.4	4184.1	4256.0	4284.4	4263.6	4144.4	3900.4
15°	3813.4	3839.9	3949.6	4121.7	4191.7	4144.4	4191.7	4242.8	4312.8	4301.4	4082.0
17.5°	4015.8	4034.7	4146.3	4206.8	4129.3	4006.3	4029.0	4089.6	4248.5	4403.6	4261.7
20°	4203.1	4229.5	4322.2	4242.8	4008.2	3817.2	3819.1	3898.5	4140.6	4466.0	4445.2
22.5°	4399.8	4439.5	4505.7	4282.5	3896.6	3667.7	3677.2	3749.1	4055.5	4524.6	4653.2
25°	4657.0	4694.9	4738.4	4380.9	3860.7	3594.0	3629.9	3696.1	4055.5	4624.9	4910.5
27.5°	5005.1	5031.6	5033.5	4564.3	3923.1	3605.3	3681.0	3756.6	4176.6	4825.4	5254.8
30°	5442.0	5483.6	5428.8	4850.0	4117.9	3756.6	3868.2	3962.8	4437.6	5164.0	5761.7
32.5°	5973.6	6032.2	5958.4	5273.7	4524.6	4278.7	4481.1	4536.0	4853.8	5653.9	6336.7
35°	6597.8	6647.0	6567.5	5860.1	5474.2	5519.6	5886.5	5816.6	5689.8	6257.3	7008.2
37.5°	7282.5	7327.9	7174.7	6749.1	6877.7	7074.5	7660.8	7420.6	7012.0	7034.7	7736.5
40°	7910.5	7959.7	7719.5	7715.7	7980.5	8339.9	9047.4	8716.3	8160.2	8052.4	8419.4
42.5°	8561.2	8595.3	8377.7	8230.2	8831.7	9571.3	10320.4	9874.0	8920.6	8803.3	9274.3
45°	9490.0	9561.9	9174.1	8483.7	9597.8	10988.1	12032.2	11160.2	9438.9	9344.3	10583.3
47.5°	10855.7	10908.7	10118.0	8642.6	10310.9	12752.9	14171.6	12828.6	9894.8	9679.1	12372.7
50°	11985.0	12020.9	10986.2	8816.6	11069.4	14655.8	16609.8	14807.2	10407.4	10233.4	14043.0
52.5°	12817.2	12953.4	12126.8	9174.1	12066.3	16893.6	19309.1	17150.8	11207.5	11304.0	15427.6
55°	12989.4	13174.7	12906.1	9393.5	12944.0	19172.9	21802.2	19248.6	12005.8	12115.5	15892.9
57.5°	11415.6	11563.1	11786.3	8508.3	12923.2	20217.0	23249.2	19944.7	11642.6	10865.1	14150.8
60°	8551.8	8653.9	9058.7	6503.2	11884.7	19294.0	22121.8	18760.5	10180.4	8290.7	10781.9
62.5°	5071.3	5116.7	5629.3	4212.5	9864.5	16615.5	18346.3	16188.0	8044.8	5576.3	6603.5
65°	1946.4	1927.5	2319.1	2078.8	7254.1	13235.3	13645.7	12340.6	5519.6	2555.5	2517.7
67.5°	300.8	287.5	387.8	614.8	5232.1	9172.2	9003.8	8894.1	3457.8	595.8	520.2
70°	68.1	68.1	83.2	181.6	3196.7	5389.1	5767.4	5498.8	2213.1	126.7	68.1
72.5°	32.2	32.2	39.7	77.6	1157.6	2220.7	2587.7	2547.9	718.8	41.6	24.6
75°	11.3	13.2	13.2	17.0	70.0	115.4	264.8	189.2	45.4	0.0	0.0
77.5°	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	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°	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2
2.5°	2750.3	2737.1	2687.9	2621.7	2557.4	2500.6	2442.0	2372.0	2320.9	2262.3	2243.4
5°	3056.8	2973.5	2839.2	2699.3	2570.6	2460.9	2355.0	2241.5	2158.3	2075.0	2046.7
7.5°	3315.9	3193.0	2975.4	2765.5	2589.6	2434.4	2281.2	2126.1	2005.1	1906.7	1876.4
10°	3548.6	3406.7	3115.4	2856.3	2634.9	2455.3	2269.9	2075.0	1918.0	1800.8	1772.4
12.5°	3749.1	3584.5	3234.6	2924.4	2653.9	2447.7	2268.0	2112.9	1971.0	1836.7	1800.8
15°	3917.4	3735.8	3334.8	2969.8	2625.5	2353.1	2196.1	2171.5	2160.2	2012.6	1942.6
17.5°	4082.0	3877.7	3416.2	2990.6	2546.0	2186.6	2073.2	2184.8	2303.9	2207.5	2118.6
20°	4254.1	4021.5	3499.4	2994.3	2413.6	1999.4	1980.5	2156.4	2307.7	2277.4	2194.2
22.5°	4456.5	4201.2	3603.4	2992.5	2247.2	1840.5	1912.4	2101.5	2224.5	2222.6	2156.4
25°	4749.7	4428.2	3743.4	3003.8	2065.6	1717.5	1836.7	2008.8	2109.1	2105.3	2050.5
27.5°	5063.7	4698.6	3925.0	3032.2	1910.5	1645.7	1747.8	1882.1	1969.1	1965.3	1918.0
30°	5504.5	5010.8	4099.0	3034.1	1798.9	1607.8	1649.4	1742.1	1825.4	1815.9	1780.0
32.5°	6039.8	5362.6	4244.7	2926.3	1728.9	1571.9	1547.3	1594.6	1658.9	1645.7	1636.2
35°	6686.7	5780.6	4369.5	2689.8	1621.1	1500.0	1433.8	1443.3	1488.7	1496.2	1492.4
37.5°	7424.4	6278.1	4524.6	2377.7	1475.4	1396.0	1307.1	1299.5	1326.0	1350.6	1369.5
40°	8152.6	6838.0	4734.6	2061.8	1343.0	1263.6	1178.4	1159.5	1170.9	1214.4	1254.1
42.5°	8971.7	7486.8	4961.6	1791.3	1252.2	1117.9	1036.6	1000.6	1032.8	1102.8	1150.1
45°	10152.0	8396.7	5182.9	1575.7	1214.4	989.3	879.6	875.8	911.7	1002.5	1055.5
47.5°	11809.0	9573.2	5328.5	1407.3	1212.5	889.0	758.5	781.2	822.8	911.7	972.3
50°	13424.4	11046.7	5167.8	1278.7	1172.8	822.8	667.7	713.1	754.7	832.3	894.7
52.5°	14398.6	11839.3	4541.6	1157.6	1049.8	792.6	578.8	658.3	665.8	735.8	802.0
55°	14296.4	11326.7	3478.6	970.4	868.2	749.1	486.1	594.0	597.7	650.7	707.4
57.5°	12408.7	9724.5	2389.0	786.9	652.6	618.5	401.0	501.3	537.2	569.4	611.0
60°	9247.9	7095.3	1065.0	639.3	414.3	418.0	342.4	378.3	433.2	471.0	506.9
62.5°	5449.6	4082.0	433.2	384.0	228.9	262.9	276.2	276.2	310.2	338.6	361.3
65°	2059.9	1428.1	175.9	192.9	119.2	123.0	162.7	200.5	227.0	251.6	281.8
67.5°	361.3	249.7	90.8	71.9	70.0	62.4	83.2	130.5	145.7	164.6	177.8
70°	60.5	51.1	37.8	35.9	32.2	34.0	54.9	92.7	102.1	107.8	113.5
72.5°	17.0	15.1	11.3	9.5	7.6	9.5	34.0	71.9	75.7	79.4	85.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	13.2	51.1	54.9	56.7	62.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	15.1	18.9	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2
2.5°	2232.0	2194.2	2173.4	2162.1	2162.1	2146.9	2129.9	2124.2	2148.8	2148.8	2190.4
5°	2010.7	1980.5	1946.4	1925.6	1893.5	1899.1	1880.2	1878.3	1902.9	1914.3	1957.8
7.5°	1857.5	1819.7	1798.9	1785.6	1768.6	1761.0	1744.0	1738.3	1751.6	1770.5	1812.1
10°	1755.4	1749.7	1747.8	1757.3	1757.3	1747.8	1732.7	1723.2	1727.0	1762.9	1810.2
12.5°	1781.9	1793.2	1797.0	1812.1	1819.7	1812.1	1800.8	1804.6	1829.1	1895.3	1965.3
15°	1897.2	1887.8	1884.0	1891.6	1897.2	1889.7	1885.9	1914.3	1999.4	2094.0	2173.4
17.5°	2020.2	1959.7	1933.2	1933.2	1937.0	1933.2	1937.0	1991.8	2129.9	2224.5	2283.1
20°	2082.6	1971.0	1929.4	1919.9	1927.5	1929.4	1942.6	2005.1	2156.4	2222.6	2235.8
22.5°	2063.7	1923.7	1876.4	1868.9	1876.4	1884.0	1897.2	1950.2	2092.1	2126.1	2120.4
25°	1969.1	1831.0	1793.2	1793.2	1810.2	1808.3	1814.0	1851.8	1969.1	1989.9	1980.5
27.5°	1850.0	1719.4	1687.3	1706.2	1721.3	1717.5	1719.4	1751.6	1838.6	1844.3	1834.8
30°	1728.9	1615.4	1585.1	1607.8	1628.6	1624.9	1626.7	1658.9	1713.8	1708.1	1694.8
32.5°	1605.9	1522.7	1500.0	1513.3	1545.4	1541.6	1549.2	1583.2	1604.0	1579.5	1564.3
35°	1492.4	1448.9	1431.9	1439.5	1464.1	1469.7	1483.0	1505.7	1505.7	1475.4	1448.9
37.5°	1386.5	1380.8	1369.5	1360.0	1382.7	1399.8	1418.7	1445.2	1407.3	1363.8	1339.2
40°	1288.2	1312.7	1297.6	1273.0	1286.3	1310.9	1348.7	1369.5	1324.1	1280.6	1239.0
42.5°	1197.4	1239.0	1233.3	1203.0	1214.4	1237.1	1280.6	1297.6	1244.6	1195.5	1155.7
45°	1110.3	1169.0	1172.8	1134.9	1146.3	1169.0	1220.1	1225.7	1157.6	1104.7	1076.3
47.5°	1034.7	1099.0	1100.9	1072.5	1076.3	1108.5	1155.7	1157.6	1080.1	1030.9	995.0
50°	962.8	1036.6	1042.3	1017.7	1021.4	1059.3	1099.0	1091.4	1008.2	957.1	925.0
52.5°	875.8	976.0	989.3	977.9	993.1	1023.3	1047.9	1021.4	925.0	873.9	845.5
55°	781.2	911.7	940.1	932.5	949.6	974.2	979.8	962.8	841.7	790.7	764.2
57.5°	671.5	751.0	800.1	785.0	798.2	822.8	839.9	826.6	735.8	696.1	673.4
60°	556.1	609.1	620.4	595.8	584.5	628.0	667.7	650.7	573.1	548.6	522.1
62.5°	406.7	467.2	474.8	442.6	429.4	476.7	510.7	493.7	408.6	382.1	361.3
65°	325.3	382.1	397.2	367.0	359.4	395.3	416.1	374.5	314.0	285.6	262.9
67.5°	213.7	259.1	298.9	297.0	281.8	293.2	278.1	244.0	200.5	185.4	170.2
70°	132.4	158.9	183.5	192.9	191.0	187.3	166.5	141.9	128.6	123.0	115.4
72.5°	102.1	128.6	147.5	153.2	155.1	149.4	132.4	109.7	96.5	88.9	83.2
75°	75.7	96.5	111.6	119.2	123.0	119.2	102.1	87.0	73.8	68.1	62.4
77.5°	26.5	32.2	39.7	43.5	41.6	39.7	35.9	35.9	28.4	26.5	22.7
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°	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2
2.5°	2237.7	2271.8	2334.2	2390.9	2451.5	2513.9	2582.0	2652.0	2684.1	2680.3
5°	2024.0	2097.7	2199.9	2311.5	2436.3	2570.6	2720.1	2873.3	2939.5	2967.9
7.5°	1889.7	1993.7	2128.0	2269.9	2434.4	2625.5	2850.6	3090.8	3187.3	3219.4
10°	1906.7	2027.8	2139.4	2277.4	2453.4	2701.2	2981.1	3266.7	3380.2	3416.2
12.5°	2044.8	2071.3	2101.5	2215.0	2436.3	2757.9	3100.3	3440.8	3571.3	3607.2
15°	2169.6	2046.7	1989.9	2094.0	2375.8	2797.6	3221.3	3628.0	3771.8	3813.4
17.5°	2175.3	1989.9	1863.2	1944.5	2277.4	2814.6	3340.5	3819.1	3976.1	4015.8
20°	2105.3	1927.5	1764.8	1766.7	2143.1	2810.9	3438.9	3991.2	4167.1	4203.1
22.5°	2003.2	1853.7	1685.4	1626.7	1999.4	2803.3	3546.7	4174.7	4365.7	4399.8
25°	1889.7	1759.2	1609.7	1520.8	1855.6	2810.9	3698.0	4414.9	4624.9	4657.0
27.5°	1766.7	1655.1	1551.1	1479.2	1734.6	2839.2	3879.6	4721.3	4971.0	5005.1
30°	1638.1	1554.9	1513.3	1469.7	1658.9	2846.8	4076.3	5078.9	5394.7	5442.0
32.5°	1511.4	1466.0	1467.9	1475.4	1587.0	2793.8	4256.0	5476.1	5897.9	5973.6
35°	1394.1	1380.8	1418.7	1456.5	1483.0	2657.6	4413.0	5945.2	6520.2	6597.8
37.5°	1293.8	1305.2	1352.5	1390.3	1369.5	2464.7	4621.1	6531.6	7216.3	7282.5
40°	1197.4	1225.7	1280.6	1297.6	1282.5	2239.6	4870.8	7097.1	7819.7	7910.5
42.5°	1108.5	1129.3	1206.8	1210.6	1257.9	2010.7	5111.0	7706.2	8513.9	8561.2
45°	1036.6	1032.8	1112.2	1136.8	1290.0	1757.3	5345.6	8517.7	9421.9	9490.0
47.5°	966.6	962.8	981.7	1093.3	1303.3	1522.7	5578.2	9705.6	10738.4	10855.7
50°	900.4	906.1	847.4	1072.5	1231.4	1343.0	5684.2	10804.6	11935.8	11985.0
52.5°	841.7	820.9	718.8	1004.4	1078.2	1172.8	5383.4	11304.0	12677.3	12817.2
55°	758.5	643.1	592.1	815.3	851.2	1023.3	4409.2	11014.6	12741.6	12989.4
57.5°	648.8	505.0	503.2	601.5	601.5	949.6	2824.1	9410.5	10980.5	11415.6
60°	499.4	391.6	416.1	418.0	385.9	692.3	1585.1	6817.2	8118.6	8551.8
62.5°	355.6	298.9	314.0	249.7	221.3	346.2	760.4	3925.0	5010.8	5071.3
65°	238.3	202.4	164.6	138.1	136.2	147.5	314.0	1418.7	1725.1	1946.4
67.5°	157.0	123.0	87.0	87.0	98.4	98.4	119.2	234.6	329.1	300.8
70°	102.1	85.1	54.9	53.0	64.3	64.3	60.5	64.3	68.1	68.1
72.5°	75.7	64.3	32.2	28.4	35.9	37.8	34.0	32.2	32.2	32.2
75°	56.7	45.4	18.9	13.2	17.0	22.7	18.9	13.2	13.2	11.3
77.5°	22.7	17.0	7.6	5.7	9.5	13.2	11.3	5.7	3.8	3.8
80°	1.9	3.8	3.8	3.8	5.7	7.6	9.5	3.8	1.9	1.9
82.5°	0.0	1.9	1.9	1.9	3.8	5.7	7.6	3.8	1.9	1.9
85°	0.0	0.0	0.0	0.0	3.8	5.7	3.8	1.9	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.9	5.7	3.8	1.9	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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