

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: P631442

Luminaire Tested: GWS-SA1F-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7966.4 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

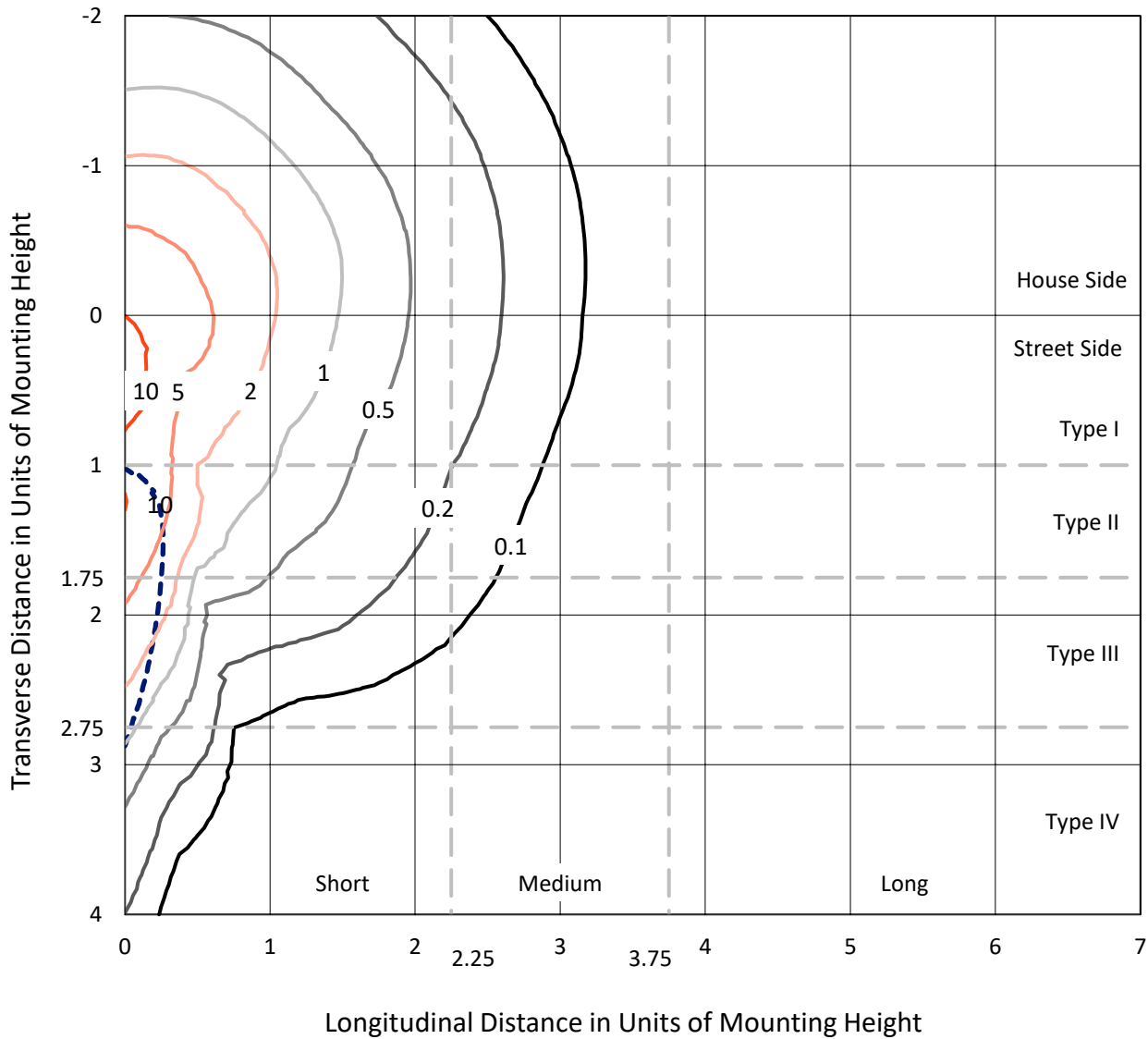
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

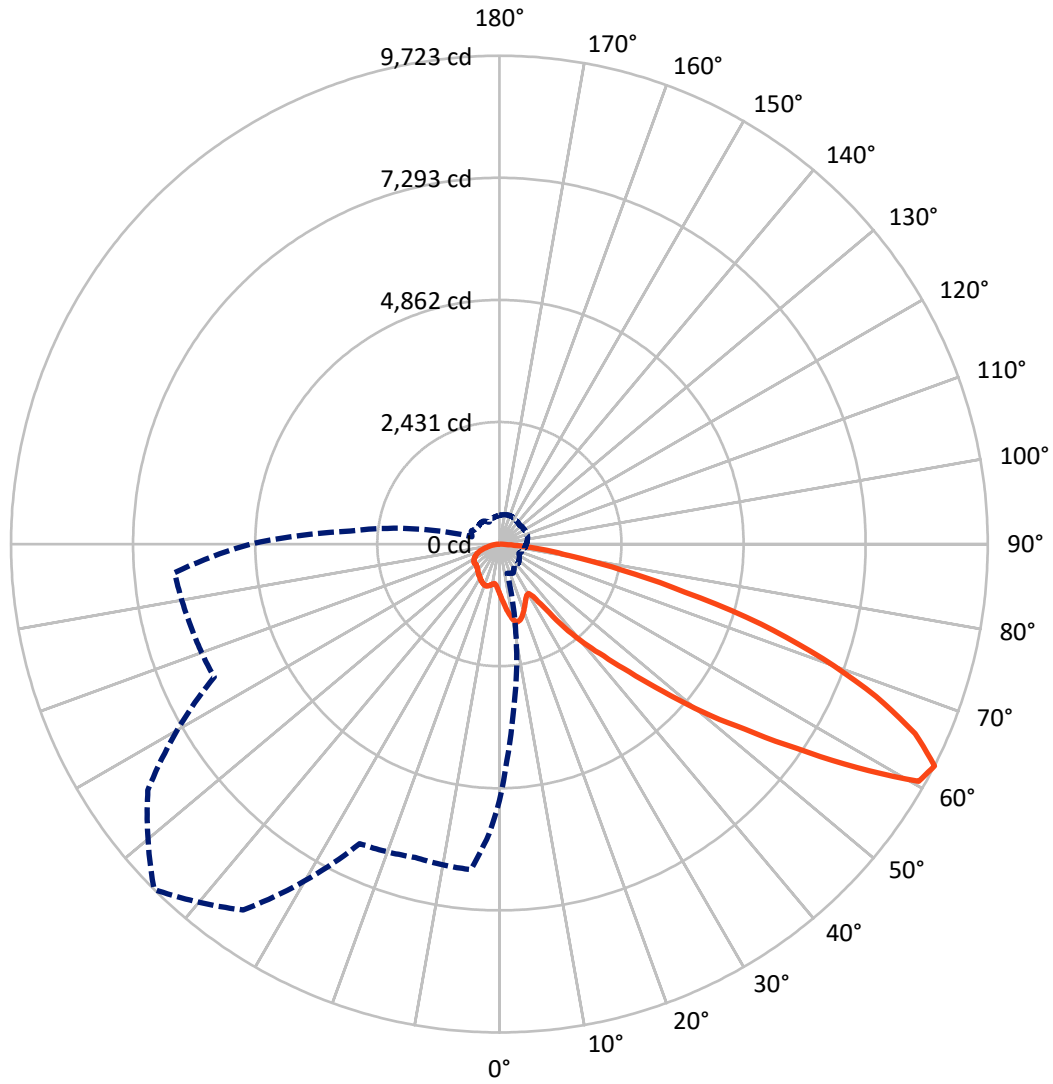
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1904.8	0.0	1904.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6061.6	0.0	6061.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	7966.4	0.0	7966.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	1.2
10°-20°	318.0	4.0
20°-30°	500.6	6.3
30°-40°	686.2	8.6
40°-50°	1070.7	13.4
50°-60°	1846.1	23.2
60°-70°	2139.3	26.9
70°-80°	1129.2	14.2
80°-90°	178.4	2.2
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°	7966.4	100.0
0°-180°	7966.4	100.0

Coefficient of Utilization



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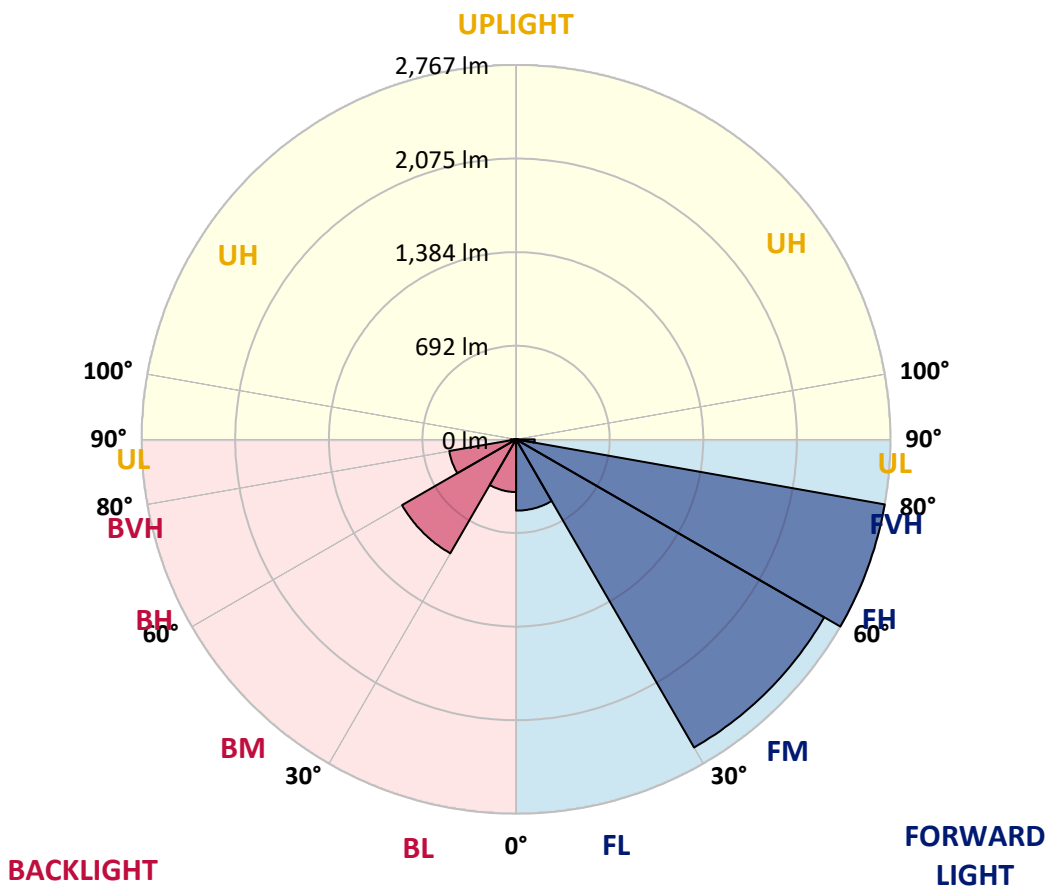
CATALOG NUMBER: GWS-SA1F-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.9	6.6			
FM (30°-60°)	2630.0	33.0			
FH (60°-80°)	2767.1	34.7			G2/5000
FVH (80°-90°)	137.7	1.7			G2/225
BL (0°-30°)	389.6	4.9	B1/500		
BM (30°-60°)	972.9	12.2	B1/1000		
BH (60°-80°)	501.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	40.7	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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2
2.5°	1079.2	1074.9	1068.8	1048.1	1035.3	1020.7	1005.4	987.8	967.7	953.6	939.6
5°	1170.6	1163.9	1149.2	1099.9	1065.8	1028.6	997.5	962.2	927.4	903.7	879.9
7.5°	1258.3	1249.8	1227.2	1151.7	1096.2	1042.6	995.7	944.5	892.7	857.4	829.3
10°	1346.1	1328.4	1299.7	1201.0	1127.9	1065.8	1012.1	949.4	880.5	832.4	802.5
12.5°	1413.1	1396.6	1365.6	1246.1	1159.6	1081.6	1021.3	963.4	904.9	853.7	823.2
15°	1475.9	1454.5	1419.2	1288.2	1185.8	1081.0	1003.0	952.4	943.9	931.1	891.5
17.5°	1520.9	1501.4	1464.9	1322.3	1200.4	1062.1	952.4	922.6	960.9	999.9	962.2
20°	1560.6	1538.0	1500.8	1346.1	1203.5	1020.1	890.9	891.5	951.8	1005.4	996.3
22.5°	1594.1	1569.1	1536.2	1372.9	1202.3	961.6	837.3	873.8	934.1	976.2	977.4
25°	1635.5	1614.8	1587.4	1412.5	1202.3	901.8	798.3	852.5	904.3	939.6	938.4
27.5°	1686.1	1672.1	1649.5	1472.8	1213.2	851.9	776.3	825.1	865.9	896.4	895.7
30°	1742.7	1730.0	1712.9	1536.8	1232.1	814.7	764.1	790.9	820.8	845.2	845.2
32.5°	1800.6	1795.8	1777.5	1588.0	1217.5	803.1	753.8	756.8	772.7	792.8	790.9
35°	1881.1	1876.2	1853.0	1627.6	1154.1	786.7	737.3	722.1	723.9	736.7	741.0
37.5°	1998.7	1991.4	1957.2	1673.9	1058.4	745.2	710.5	685.5	680.0	685.5	693.4
40°	2140.7	2129.7	2083.4	1736.7	948.2	689.2	668.5	647.7	638.6	640.4	649.6
42.5°	2318.6	2295.4	2229.0	1803.1	839.1	639.8	621.5	608.7	598.4	597.2	614.8
45°	2607.4	2544.0	2438.6	1862.2	747.1	613.6	579.5	570.4	561.8	566.7	587.4
47.5°	3112.0	2995.0	2789.6	1912.8	691.0	614.2	546.0	536.2	535.6	545.4	568.5
50°	3805.4	3636.6	3319.8	1946.9	661.8	621.5	525.9	510.0	521.6	531.4	553.3
52.5°	4469.6	4211.8	3834.7	1946.3	649.0	622.8	531.4	485.7	521.6	524.0	544.8
55°	5036.9	4570.1	3973.6	1746.4	630.7	617.9	552.7	466.8	514.9	524.0	540.5
57.5°	5487.8	4798.0	3963.2	1410.7	686.1	591.1	565.5	462.5	495.4	525.3	544.2
60°	5437.9	4693.8	3707.9	865.9	680.6	543.5	563.7	470.4	462.5	508.8	539.9
62.5°	5105.8	4320.3	3268.6	600.8	639.2	516.1	533.8	484.4	432.0	485.0	519.2
65°	4640.8	3838.3	2723.8	460.7	529.5	517.3	483.2	474.7	405.2	447.3	483.8
67.5°	4026.0	3240.5	2150.4	365.0	369.3	447.9	438.7	421.7	380.2	413.8	446.7
70°	3026.7	2364.9	1479.5	293.7	279.7	374.1	394.3	379.0	355.9	365.6	400.3
72.5°	2132.7	1544.1	810.4	232.8	215.7	287.6	342.5	340.0	314.4	321.7	355.9
75°	1584.9	1092.6	506.4	184.0	175.5	206.0	287.0	294.3	273.0	281.5	307.7
77.5°	1054.8	707.5	281.5	136.5	136.5	150.5	213.9	248.0	232.2	238.9	257.1
80°	581.9	360.1	140.8	89.6	92.0	103.6	156.0	178.5	179.1	195.6	200.5
82.5°	184.0	114.6	62.8	52.4	49.4	59.1	100.5	128.0	119.4	152.3	140.2
85°	42.0	26.8	11.6	11.6	12.8	19.5	38.4	68.2	87.1	104.8	76.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	26.8	39.6	35.3
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°	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2
2.5°	931.1	918.9	915.2	904.9	903.7	893.9	890.3	890.3	894.5	894.5	898.8
5°	870.2	854.9	846.4	834.2	831.2	823.8	819.0	819.6	825.1	828.7	836.0
7.5°	816.5	806.2	800.1	794.6	793.4	792.2	786.7	786.1	787.9	793.4	798.9
10°	794.0	786.7	788.5	792.8	799.5	803.1	798.3	795.8	794.0	797.6	802.5
12.5°	815.9	808.6	812.3	819.6	828.7	832.4	830.5	829.9	831.8	845.8	856.1
15°	864.1	850.0	845.2	848.2	855.5	859.2	857.4	859.8	871.4	907.9	934.1
17.5°	923.8	889.7	870.2	864.7	867.7	870.8	870.8	876.9	897.0	950.6	983.5
20°	956.1	911.6	878.7	865.3	866.5	869.5	869.5	878.1	900.6	957.9	979.2
22.5°	947.5	906.7	866.5	851.9	852.5	854.9	854.9	862.2	882.3	932.9	942.7
25°	914.0	878.1	838.5	825.7	826.9	831.2	829.9	834.2	849.4	890.9	896.4
27.5°	873.8	842.1	803.1	793.4	798.9	807.4	800.1	800.7	814.7	849.4	850.0
30°	830.5	804.3	769.6	762.3	772.7	776.9	770.2	770.2	784.2	808.0	807.4
32.5°	783.6	767.2	742.2	734.3	745.8	752.6	744.0	745.2	756.2	772.1	766.0
35°	739.8	731.2	719.6	714.2	721.5	727.6	722.1	724.5	734.9	739.1	730.6
37.5°	697.7	696.5	697.7	697.7	699.5	701.4	697.7	703.8	712.9	707.5	697.7
40°	661.1	666.0	677.6	674.6	672.7	674.6	672.1	682.5	691.6	681.9	670.3
42.5°	630.7	639.8	657.5	657.5	653.8	655.1	653.8	666.6	673.3	659.9	647.1
45°	604.5	617.9	640.4	643.5	637.4	637.4	639.8	655.7	658.1	639.8	626.4
47.5°	586.2	602.6	628.2	633.7	624.6	624.0	630.7	647.7	647.7	626.4	611.2
50°	573.4	591.7	622.1	629.5	620.3	617.9	628.9	645.3	641.6	616.1	600.8
52.5°	564.9	583.8	621.5	631.9	625.8	623.4	634.3	645.9	636.8	609.4	593.5
55°	559.4	580.1	623.4	631.9	625.2	620.9	631.9	642.3	637.4	605.7	590.5
57.5°	562.4	583.2	620.9	625.2	617.3	610.0	622.8	637.4	635.6	606.9	591.7
60°	557.6	576.4	607.5	608.7	595.3	583.8	602.6	624.6	624.6	602.6	589.2
62.5°	535.0	553.9	581.3	582.5	567.3	554.5	576.4	602.6	602.0	584.4	570.4
65°	497.8	515.5	546.6	549.6	534.4	521.0	543.5	567.9	569.7	553.9	541.7
67.5°	457.0	472.9	496.0	508.2	495.4	481.4	502.1	525.3	524.7	505.8	493.0
70°	408.3	422.9	444.2	454.6	446.7	433.2	452.1	464.3	458.8	449.7	441.2
72.5°	360.1	374.1	394.3	394.3	385.7	372.9	378.4	400.3	407.0	400.3	394.9
75°	309.6	321.7	335.8	338.8	319.9	296.8	322.3	341.2	349.2	346.1	339.4
77.5°	257.8	266.9	287.6	282.1	246.8	234.6	255.3	283.3	288.8	287.0	277.9
80°	198.6	204.1	226.1	215.1	187.7	179.8	188.9	210.8	212.1	206.0	194.4
82.5°	133.4	140.8	155.4	134.1	133.4	126.1	118.8	121.3	132.2	131.0	123.1
85°	68.2	71.9	85.9	80.4	68.9	59.7	56.7	60.3	54.2	49.4	42.7
87.5°	28.6	31.1	42.7	23.8	7.3	0.0	0.0	3.7	5.5	7.9	8.5
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°	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2
2.5°	908.5	915.2	931.7	952.4	972.5	993.2	1015.8	1029.8	1046.9	1068.8	1069.4
5°	845.2	860.4	884.2	915.9	948.8	986.5	1030.4	1067.0	1110.9	1145.6	1159.6
7.5°	806.2	828.1	858.0	898.2	941.5	988.4	1045.6	1107.2	1179.1	1225.4	1252.8
10°	809.8	843.3	873.2	907.3	946.3	996.9	1070.6	1152.3	1240.6	1301.6	1335.7
12.5°	875.0	910.4	904.9	903.1	929.3	990.8	1090.7	1198.0	1305.8	1366.8	1407.6
15°	957.3	970.7	918.9	879.9	895.7	968.9	1101.7	1238.8	1360.1	1434.4	1474.6
17.5°	999.3	972.5	909.8	851.3	847.0	935.4	1107.2	1280.3	1421.0	1495.4	1538.0
20°	979.8	940.8	887.8	832.4	801.9	889.7	1104.1	1313.2	1476.5	1559.3	1594.1
22.5°	937.8	903.7	862.2	809.2	765.3	839.7	1096.2	1346.1	1525.8	1609.3	1639.8
25°	892.1	866.5	832.4	786.1	744.6	795.8	1090.7	1389.9	1582.5	1662.3	1681.8
27.5°	846.4	827.5	799.5	763.5	739.8	765.3	1092.6	1447.2	1655.6	1731.2	1723.2
30°	801.3	784.8	765.3	749.5	739.1	758.0	1087.7	1508.1	1736.0	1806.1	1759.2
32.5°	758.6	743.4	731.2	733.7	739.8	761.1	1062.7	1563.6	1809.8	1869.5	1798.2
35°	722.1	706.2	706.2	714.8	737.3	750.7	998.1	1606.9	1891.4	1951.1	1853.7
37.5°	688.0	673.9	683.1	697.1	718.4	722.7	915.2	1648.9	2010.3	2066.3	1939.6
40°	658.1	644.1	660.5	678.2	689.2	687.4	831.2	1707.4	2150.4	2208.3	2053.5
42.5°	634.3	621.5	636.2	658.7	660.5	662.4	769.6	1763.5	2313.1	2386.8	2249.7
45°	614.8	605.7	613.0	635.6	635.6	663.6	731.2	1810.4	2558.1	2688.5	2609.9
47.5°	599.6	594.1	597.8	605.1	617.3	685.5	706.8	1846.3	3004.1	3260.0	3180.8
50°	591.1	585.6	590.5	575.2	611.8	696.5	698.9	1873.8	3592.1	3993.1	3895.0
52.5°	583.8	581.9	585.0	549.6	624.0	689.2	692.8	1837.2	3986.4	4714.6	4811.5
55°	581.3	582.5	567.9	530.7	638.6	664.8	674.6	1575.8	4093.6	5336.7	5938.1
57.5°	582.5	578.9	541.7	532.6	639.2	616.1	700.8	1124.3	3937.6	5607.3	7040.5
60°	578.3	560.0	510.0	549.0	611.2	558.8	681.9	733.1	3526.3	5399.5	7104.4
62.5°	559.4	532.6	482.6	558.2	561.2	524.7	619.1	564.9	2977.9	4954.6	6487.8
65°	532.0	496.0	459.5	539.3	510.6	508.8	465.5	452.7	2394.8	4425.1	5902.8
67.5°	486.9	450.9	442.4	496.0	459.5	450.9	374.1	375.4	1910.9	3860.9	5314.8
70°	435.7	399.7	406.4	448.5	408.9	374.8	302.8	312.6	1449.7	3216.8	4522.0
72.5°	402.2	354.0	354.6	394.9	359.5	303.5	249.2	257.8	920.1	2424.6	3595.2
75°	339.4	312.0	298.6	319.9	305.3	236.4	209.6	207.8	545.4	1737.9	2692.1
77.5°	283.3	262.0	255.3	263.8	227.9	174.9	168.8	165.7	308.9	1113.3	1764.1
80°	205.4	199.9	199.3	203.5	175.5	128.6	128.6	129.2	166.4	604.5	994.5
82.5°	130.4	142.6	126.1	140.2	119.4	91.4	85.3	96.9	95.7	257.8	419.2
85°	54.2	74.3	69.5	73.7	56.7	50.0	53.6	57.9	55.5	99.3	163.3
87.5°	10.4	12.2	13.4	12.8	12.8	15.8	17.7	21.3	21.3	28.6	49.4
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°	358°	360°
0°	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2	993.2
2.5°	1092.6	1110.2	1106.6	1114.5	1104.1	1107.8	1087.1	1081.6	1077.9	1079.2
5°	1204.7	1240.6	1247.3	1260.8	1251.6	1251.6	1215.0	1187.6	1177.9	1170.6
7.5°	1318.6	1370.4	1404.6	1408.2	1403.3	1393.6	1340.6	1291.2	1273.5	1258.3
10°	1419.8	1481.9	1520.3	1538.6	1529.5	1514.2	1448.4	1380.8	1359.5	1346.1
12.5°	1497.2	1552.0	1577.6	1589.8	1588.6	1583.1	1529.5	1456.4	1433.8	1413.1
15°	1547.1	1574.6	1564.8	1564.2	1572.7	1594.7	1578.2	1520.9	1494.7	1475.9
17.5°	1579.4	1553.2	1510.0	1489.9	1508.1	1559.9	1597.7	1565.4	1541.7	1520.9
20°	1591.0	1497.8	1435.0	1397.9	1419.2	1494.1	1587.4	1597.7	1577.6	1560.6
22.5°	1577.6	1430.2	1344.8	1301.0	1321.7	1411.3	1556.9	1623.9	1610.5	1594.1
25°	1544.7	1359.5	1257.1	1217.5	1240.0	1331.4	1502.7	1648.3	1648.9	1635.5
27.5°	1503.9	1294.3	1195.6	1158.4	1180.3	1265.6	1449.7	1669.6	1691.0	1686.1
30°	1462.4	1255.3	1166.3	1140.1	1156.6	1232.1	1395.4	1691.6	1734.2	1742.7
32.5°	1443.6	1274.2	1235.2	1246.7	1225.4	1251.6	1375.9	1722.6	1786.6	1800.6
35°	1468.5	1441.7	1540.4	1586.1	1510.6	1411.3	1400.9	1769.6	1860.4	1881.1
37.5°	1589.8	1800.6	1948.1	2109.0	1978.0	1759.2	1524.6	1849.4	1965.8	1998.7
40°	1853.7	2113.8	2380.1	2587.9	2389.9	2095.6	1759.8	1968.2	2110.8	2140.7
42.5°	2102.3	2407.6	2774.4	3043.1	2786.0	2370.4	2013.3	2168.1	2302.1	2318.6
45°	2346.0	2695.8	3251.5	3625.0	3275.9	2631.8	2272.3	2505.7	2606.8	2607.4
47.5°	2631.8	3020.6	3849.9	4381.9	3926.1	2921.2	2515.4	3040.1	3180.8	3112.0
50°	2973.6	3343.5	4465.9	5262.4	4718.8	3277.1	2824.4	3691.5	3883.4	3805.4
52.5°	3431.3	3699.4	5144.8	6120.9	5582.9	3682.3	3272.2	4551.9	4615.2	4469.6
55°	4075.4	4213.1	6016.1	7181.2	6547.5	4181.4	3927.3	5631.6	5454.3	5036.9
57.5°	5542.1	5025.9	7134.9	8390.8	7638.8	5088.1	5362.9	6822.3	6191.6	5487.8
60°	6769.3	6013.1	8170.2	9591.2	8574.2	6087.4	6710.8	7029.5	6164.2	5437.9
62.5°	6355.6	6264.8	8543.7	9723.4	8893.5	6579.2	6460.4	6507.3	5762.0	5105.8
65°	5576.2	5779.1	8210.4	9096.4	8539.5	6138.6	5843.7	6024.7	5302.0	4640.8
67.5°	5116.1	5265.4	7617.5	8092.8	7896.0	5662.1	5364.1	5233.1	4587.8	4026.0
70°	4645.7	4769.4	6785.1	6833.3	6892.4	4869.9	4386.1	3996.1	3419.7	3026.7
72.5°	4014.4	4021.1	5732.8	5453.7	5565.8	3810.9	3530.6	2987.7	2489.2	2132.7
75°	3367.9	3183.9	4537.9	3812.1	4037.0	2964.5	2931.6	2251.6	1877.4	1584.9
77.5°	2567.8	2352.7	3314.9	2506.9	2835.3	1974.3	2204.0	1527.0	1321.1	1054.8
80°	1723.9	1589.8	1831.7	1414.9	1854.9	1360.7	1437.5	865.3	750.1	581.9
82.5°	909.2	776.3	1132.2	839.1	1118.8	747.7	539.3	267.5	227.9	184.0
85°	352.2	407.7	555.1	298.6	433.9	266.9	156.0	66.4	55.5	42.0
87.5°	68.2	105.4	57.9	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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