

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P324155

Luminaire Tested: **GAN-SA1B-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4437 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

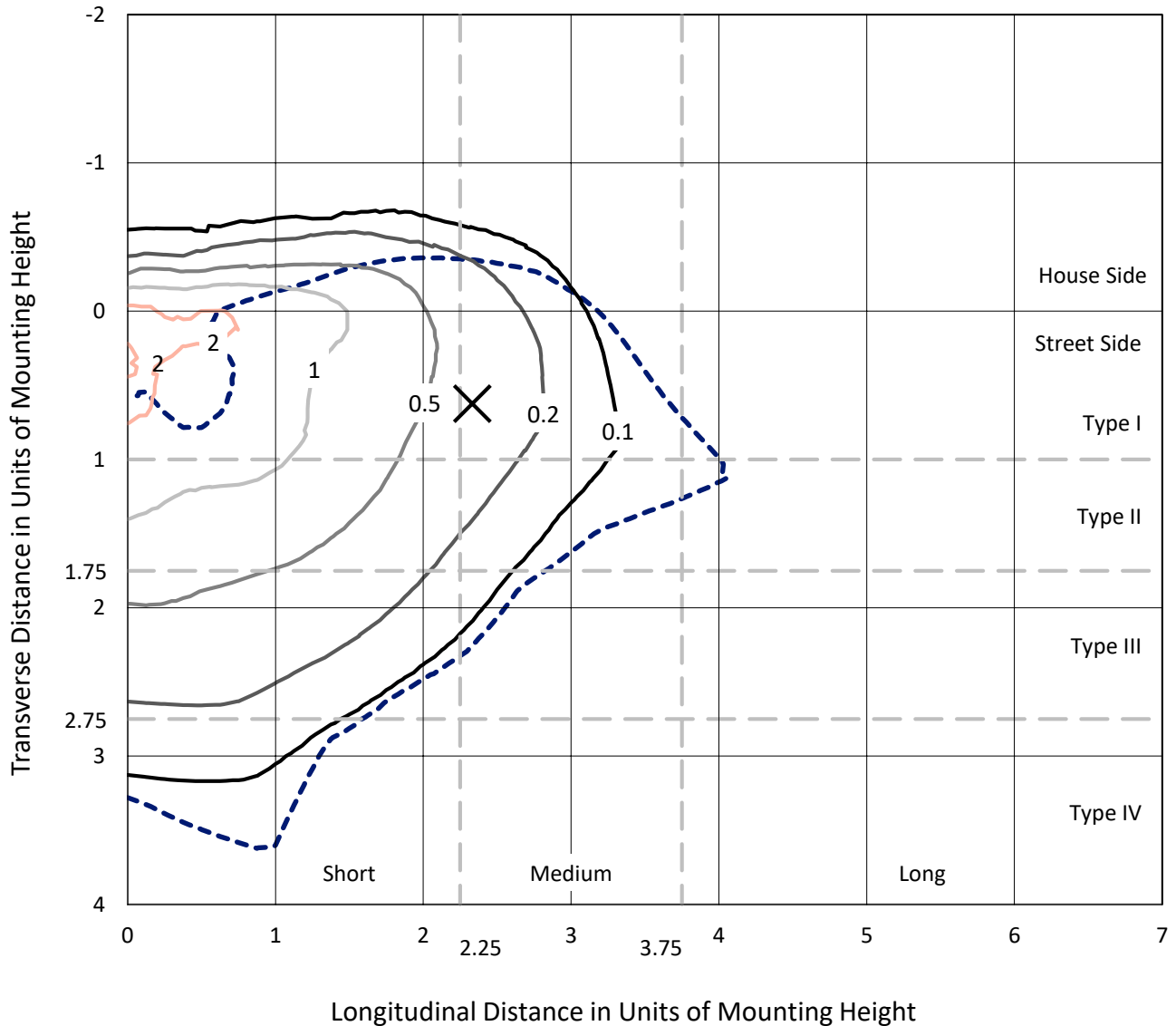
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

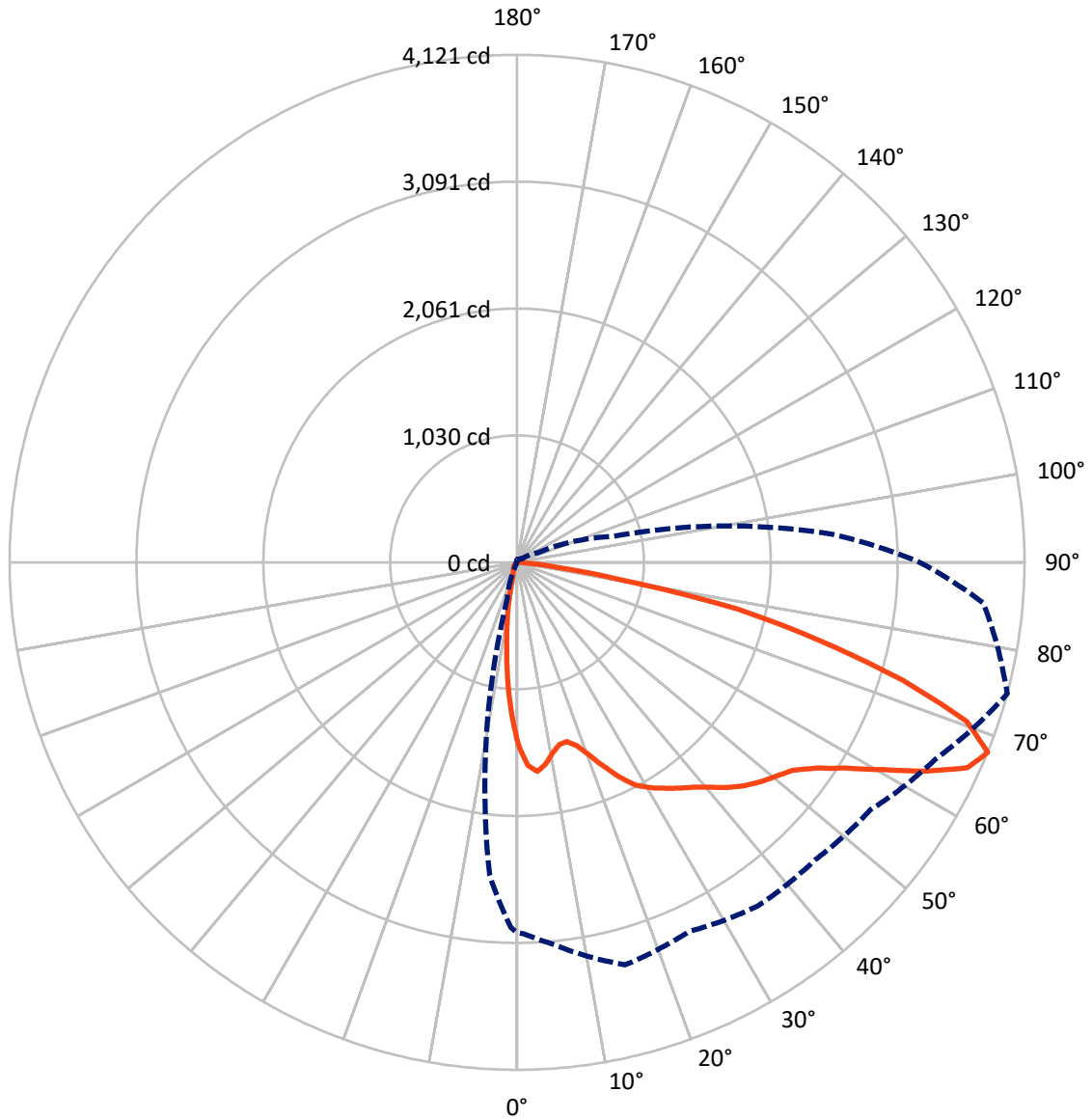
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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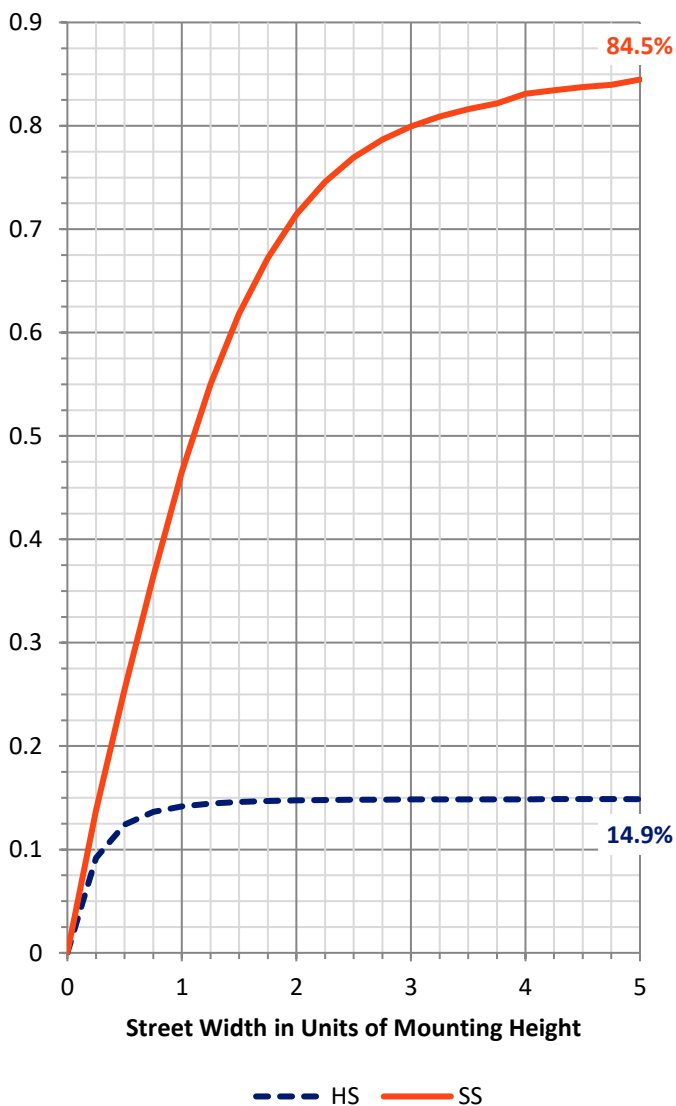
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	665.8	0.0	665.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	3771.2	0.0	3771.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	4437.0	0.0	4437.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	2.5
10°-20°	222.3	5.0
20°-30°	314.5	7.1
30°-40°	462.4	10.4
40°-50°	664.7	15.0
50°-60°	935.7	21.1
60°-70°	1092.8	24.6
70°-80°	557.5	12.6
80°-90°	74.1	1.7
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°	4437.0	100.0
0°-180°	4437.0	100.0

Coefficient of Utilization

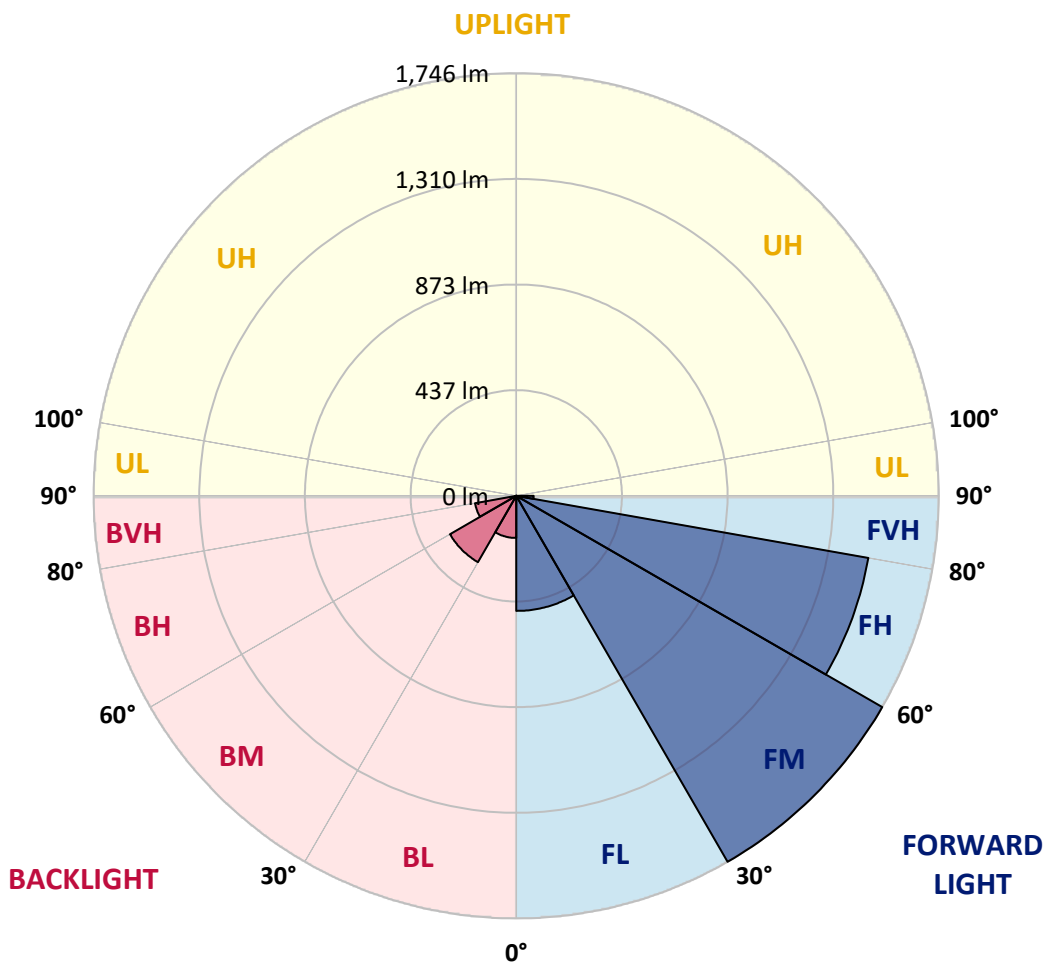


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	475.6	10.7			
FM (30°-60°)	1746.3	39.4			
FH (60°-80°)	1477.4	33.3			G1/1800
FVH (80°-90°)	71.8	1.6			G1/100
BL (0°-30°)	174.1	3.9	B1/500		
BM (30°-60°)	316.5	7.1	B1/1000		
BH (60°-80°)	172.9	3.9	B1/500		G1/500
BVH (80°-90°)	2.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5
2.5°	1613.6	1616.1	1629.2	1659.4	1692.4	1694.9	1717.2	1694.3	1686.5	1649.5	1611.3
5°	1625.8	1635.5	1680.2	1769.1	1846.3	1871.1	1888.7	1843.8	1796.5	1706.1	1609.6
7.5°	1527.6	1543.8	1614.2	1781.1	1919.0	1980.0	1991.5	1921.1	1805.3	1656.5	1511.4
10°	1401.9	1420.4	1505.4	1710.5	1899.9	2004.3	2020.3	1928.0	1761.6	1576.2	1405.3
12.5°	1300.2	1321.9	1408.7	1631.0	1834.1	1949.7	1981.2	1904.7	1723.7	1519.2	1332.8
15°	1253.3	1278.1	1369.4	1579.8	1761.1	1852.2	1878.2	1845.2	1702.7	1510.2	1316.0
17.5°	1280.2	1307.1	1401.3	1584.2	1692.6	1731.5	1752.5	1766.0	1702.7	1564.6	1365.2
20°	1390.6	1419.6	1519.2	1628.9	1635.9	1621.4	1643.9	1691.2	1722.5	1668.0	1483.3
22.5°	1543.2	1577.2	1689.7	1705.7	1608.1	1553.3	1556.2	1630.4	1758.4	1799.2	1647.2
25°	1729.2	1770.8	1885.2	1820.0	1619.7	1512.7	1511.7	1580.4	1793.5	1930.6	1829.9
27.5°	1914.0	1959.8	2060.2	1959.6	1667.4	1505.4	1503.3	1565.3	1827.8	2047.4	2029.3
30°	2068.9	2113.4	2200.0	2060.7	1718.9	1522.6	1512.5	1581.4	1848.2	2123.3	2174.8
32.5°	2195.0	2230.7	2300.7	2130.2	1774.0	1556.0	1534.1	1624.7	1882.8	2187.4	2308.5
35°	2333.7	2371.3	2399.3	2196.4	1835.8	1604.1	1572.8	1693.5	1936.2	2252.6	2455.0
37.5°	2492.0	2529.4	2526.0	2257.0	1914.2	1683.8	1663.8	1802.3	2019.3	2317.1	2618.5
40°	2646.9	2685.1	2657.8	2323.2	2006.2	1815.2	1800.5	1965.9	2130.4	2399.7	2810.2
42.5°	2791.9	2833.3	2774.9	2385.8	2115.9	1980.8	2006.0	2176.5	2269.6	2501.4	2975.4
45°	2908.8	2951.0	2873.0	2446.8	2231.5	2181.7	2257.6	2409.8	2436.9	2587.4	3087.0
47.5°	2993.7	3033.6	2941.1	2507.7	2379.5	2427.4	2559.6	2654.4	2588.0	2662.0	3166.2
50°	3047.9	3079.0	2961.1	2584.0	2573.7	2714.1	2874.3	2920.5	2730.3	2729.3	3262.5
52.5°	3082.4	3096.5	2975.8	2663.7	2776.3	3026.3	3182.4	3196.9	2876.8	2803.3	3392.2
55°	3201.1	3212.5	3080.1	2760.2	2943.9	3299.7	3461.1	3447.7	3042.7	2948.1	3545.2
57.5°	3403.8	3415.7	3295.5	2898.9	3079.4	3468.7	3663.1	3687.3	3237.1	3151.5	3709.2
60°	3505.5	3527.8	3484.9	3074.6	3210.8	3576.7	3800.8	3877.9	3480.1	3419.7	3868.1
62.5°	3413.2	3445.6	3507.8	3269.4	3341.3	3636.2	3843.7	3946.2	3728.9	3732.3	3966.0
65°	3229.1	3254.9	3360.5	3376.2	3417.0	3628.9	3737.7	3850.8	3881.3	4019.4	3960.7
67.5°	3006.7	3016.4	3105.9	3384.6	3307.3	3407.7	3419.5	3503.2	3760.9	4121.1	3801.6
70°	2686.6	2691.9	2770.0	3103.2	2842.1	2864.2	2846.8	2863.8	3233.3	3873.3	3400.0
72.5°	2162.2	2175.4	2286.6	2577.1	2070.5	2006.9	2143.9	2136.3	2490.1	3272.4	2525.2
75°	1591.9	1614.9	1782.8	2075.8	1453.2	1314.5	1414.6	1441.2	1770.2	2531.3	1579.1
77.5°	1114.6	1131.6	1294.3	1526.0	1051.8	940.0	903.8	935.5	1168.4	1831.1	795.6
80°	642.1	648.4	752.3	881.1	708.7	810.9	734.6	756.5	700.1	814.7	342.2
82.5°	420.2	421.2	461.8	524.4	441.4	512.9	379.6	485.3	430.7	327.3	111.4
85°	227.0	228.3	267.8	372.2	249.9	141.2	83.0	170.5	266.3	75.0	30.5
87.5°	25.0	22.9	80.7	135.4	69.4	12.8	4.4	19.1	42.7	4.8	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°	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5
2.5°	1591.7	1574.3	1530.8	1484.8	1447.8	1413.1	1378.2	1335.5	1302.5	1295.8	1284.9
5°	1557.7	1502.4	1411.2	1319.5	1245.8	1152.7	1093.6	1047.6	1002.6	999.9	990.8
7.5°	1438.7	1366.0	1237.6	1110.8	1007.0	918.3	828.8	768.9	721.8	705.2	695.3
10°	1324.4	1242.6	1082.2	937.6	844.9	766.5	703.5	640.9	584.1	545.0	527.4
12.5°	1244.5	1154.1	977.4	852.7	786.3	711.9	635.0	556.8	491.4	444.3	415.5
15°	1213.6	1117.1	942.3	819.1	737.1	643.0	544.6	455.3	382.7	340.1	314.2
17.5°	1250.4	1138.2	939.5	778.1	663.6	546.5	437.8	332.3	264.0	231.6	215.0
20°	1343.7	1205.0	938.5	727.9	576.1	432.1	296.6	218.6	177.2	159.1	151.3
22.5°	1475.7	1290.3	946.9	678.3	485.1	308.8	204.7	160.6	139.4	129.7	125.3
25°	1645.5	1410.1	970.6	633.3	399.6	230.4	159.5	134.5	119.6	112.0	108.9
27.5°	1826.5	1548.0	1007.6	594.2	330.0	183.7	136.6	115.2	104.5	99.2	96.3
30°	1975.7	1707.8	1045.0	550.7	279.5	160.2	125.1	105.1	92.7	89.3	86.6
32.5°	2106.3	1828.6	1071.5	511.4	246.5	142.3	113.1	94.0	85.5	79.0	76.1
35°	2241.4	1929.3	1070.7	483.8	223.8	128.8	103.0	84.1	74.0	66.4	64.1
37.5°	2387.7	2043.0	1052.4	460.3	214.0	118.1	97.3	78.8	68.7	61.2	58.2
40°	2559.0	2162.4	1033.7	438.2	211.2	109.5	93.3	74.6	63.9	56.5	53.6
42.5°	2725.9	2270.0	1017.3	421.8	199.5	109.3	89.7	71.5	60.1	53.0	49.6
45°	2859.4	2370.3	1014.1	412.0	187.1	113.1	87.9	69.4	57.2	50.0	46.9
47.5°	2970.3	2479.1	1034.3	405.0	175.3	103.2	92.5	67.9	54.4	47.5	43.9
50°	3102.3	2612.8	1081.8	393.7	162.9	92.9	105.9	68.3	52.1	45.0	41.2
52.5°	3286.5	2797.8	1151.6	374.6	145.9	83.4	104.3	68.7	49.6	42.2	38.5
55°	3492.9	3028.8	1226.6	342.8	122.1	71.0	89.3	65.8	44.8	39.3	35.7
57.5°	3709.8	3238.3	1271.2	305.0	97.1	61.4	71.5	59.9	39.5	35.3	33.0
60°	3743.8	3318.0	1250.8	258.5	77.1	53.4	53.0	61.0	35.3	31.1	29.4
62.5°	3659.1	3217.9	1152.2	217.1	64.5	46.9	43.5	53.2	31.9	27.7	26.1
65°	3496.2	2947.4	992.5	195.7	59.9	40.1	36.2	37.4	28.0	24.2	22.7
67.5°	3269.7	2586.3	814.9	183.5	59.3	34.5	30.9	28.4	24.2	21.0	19.8
70°	2806.4	2154.6	650.1	176.8	57.6	29.0	26.1	23.1	20.2	17.9	16.8
72.5°	2065.5	1526.8	505.7	169.4	58.0	23.1	22.7	19.1	16.2	13.9	13.5
75°	1193.4	872.3	331.7	137.3	55.3	17.9	18.9	13.5	11.4	9.7	9.7
77.5°	636.0	532.0	126.3	57.2	20.2	11.4	10.7	8.0	7.1	5.9	5.7
80°	277.2	234.1	38.0	16.0	11.1	6.1	4.0	3.6	3.2	2.5	2.3
82.5°	98.2	84.7	12.4	7.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.3	16.0	0.0	1.9	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°	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5
2.5°	1262.6	1258.0	1230.6	1231.7	1236.5	1243.5	1227.1	1234.6	1255.0	1274.6	1281.9
5°	976.3	977.4	960.8	971.1	980.3	986.6	960.1	960.6	976.7	998.8	1010.4
7.5°	687.9	686.3	687.1	711.7	729.1	716.5	726.4	692.1	694.2	710.0	698.2
10°	511.4	488.3	475.2	493.7	512.9	505.9	488.9	477.8	485.5	503.0	501.7
12.5°	401.9	368.7	349.1	335.9	351.6	338.6	338.2	328.5	318.0	319.9	347.9
15°	302.2	278.1	255.0	233.7	233.3	228.9	206.4	181.2	179.1	180.3	194.8
17.5°	207.9	199.7	190.2	171.9	167.1	148.6	126.7	116.7	111.6	113.9	118.8
20°	146.1	142.9	144.0	134.1	127.2	109.5	96.7	92.7	91.9	94.2	96.5
22.5°	121.1	115.4	114.8	110.3	103.4	90.6	83.7	81.3	80.3	82.4	84.1
25°	105.9	100.3	97.9	95.2	87.9	79.0	74.8	72.7	71.7	72.9	74.0
27.5°	93.3	88.1	86.0	84.1	76.9	70.6	67.3	65.4	64.5	64.9	66.0
30°	83.9	79.2	76.5	74.2	68.1	63.7	60.7	58.9	58.0	58.0	59.1
32.5°	74.0	71.5	68.9	66.0	60.3	57.4	54.4	52.3	51.5	51.7	52.5
35°	61.6	60.7	61.4	58.6	53.8	51.3	48.3	46.0	45.4	45.6	46.5
37.5°	54.6	50.9	53.2	51.7	49.0	45.6	41.8	39.7	38.7	39.3	39.7
40°	50.2	45.6	43.9	45.4	45.0	39.5	36.2	34.1	33.2	33.4	33.8
42.5°	46.5	41.0	37.2	37.0	39.5	34.5	30.9	29.0	28.0	28.0	28.4
45°	42.9	37.0	32.4	28.8	33.2	29.2	25.9	24.2	22.9	22.9	23.1
47.5°	40.1	33.6	28.2	23.5	25.0	24.0	21.2	19.5	18.3	18.3	18.5
50°	37.6	30.3	24.4	19.8	18.7	19.8	17.2	15.3	14.5	14.3	14.7
52.5°	34.9	26.9	20.8	16.8	14.7	14.9	13.5	12.2	11.1	11.1	11.6
55°	32.2	24.2	18.1	14.3	12.2	11.1	10.7	9.9	9.0	9.0	9.5
57.5°	29.4	21.2	15.3	11.8	9.7	8.8	8.8	8.2	7.6	7.6	8.0
60°	26.9	18.3	12.6	9.7	7.6	7.4	7.6	6.9	6.5	6.5	6.9
62.5°	24.0	15.6	10.3	8.0	6.1	5.9	6.5	6.1	5.7	5.7	6.1
65°	20.4	13.2	8.2	6.1	4.6	4.6	5.5	5.0	4.6	4.6	5.0
67.5°	17.2	11.1	6.3	4.4	3.4	3.6	4.6	4.2	4.0	4.0	4.4
70°	14.3	8.6	4.4	2.7	1.9	2.7	3.6	3.6	3.6	3.6	4.0
72.5°	10.7	5.9	2.5	1.1	0.8	1.9	2.9	3.4	3.2	3.2	3.8
75°	6.9	3.4	0.8	0.0	0.0	1.1	2.3	2.7	2.7	2.5	3.2
77.5°	4.0	1.1	0.0	0.0	0.0	0.0	1.5	1.3	1.1	0.8	1.5
80°	1.1	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°	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5	1488.5
2.5°	1311.6	1336.4	1371.3	1408.2	1465.2	1510.4	1554.7	1592.8	1607.5	1613.6
5°	1038.1	1074.5	1125.5	1191.1	1293.9	1386.4	1480.1	1574.5	1615.5	1625.8
7.5°	744.9	791.4	856.3	938.5	1058.9	1178.7	1309.7	1448.2	1511.7	1527.6
10°	551.3	608.1	682.5	769.1	884.0	1007.2	1149.9	1308.2	1380.7	1401.9
12.5°	391.2	467.9	567.5	672.8	772.4	882.4	1026.8	1201.2	1277.3	1300.2
15°	229.7	303.9	421.8	562.9	690.5	801.9	948.6	1146.4	1230.2	1253.3
17.5°	131.8	168.8	257.9	415.1	588.3	742.6	924.0	1160.0	1258.8	1280.2
20°	100.7	112.4	148.6	267.4	468.9	684.4	924.0	1237.4	1359.1	1390.6
22.5°	88.1	96.7	111.4	159.5	345.1	621.9	934.7	1349.2	1508.3	1543.2
25°	78.2	86.0	98.6	120.0	235.4	547.7	960.1	1486.4	1684.0	1729.2
27.5°	70.0	77.3	88.7	105.1	161.0	458.2	994.4	1647.4	1877.8	1914.0
30°	62.6	69.6	79.9	91.4	124.2	356.7	1023.6	1799.2	2030.0	2068.9
32.5°	55.7	62.0	71.3	79.9	101.7	263.8	1026.8	1919.4	2156.3	2195.0
35°	49.2	54.9	63.3	70.0	84.3	208.3	977.8	2023.7	2282.6	2333.7
37.5°	42.9	48.3	55.7	60.7	74.2	169.8	903.0	2139.9	2444.7	2492.0
40°	37.0	41.8	49.4	52.8	70.2	130.5	821.6	2261.8	2603.6	2646.9
42.5°	31.5	36.2	43.5	50.0	61.6	97.5	733.8	2376.2	2746.5	2791.9
45°	26.3	31.1	38.5	53.0	51.1	72.9	639.8	2452.0	2859.4	2908.8
47.5°	21.2	26.7	36.8	50.4	40.8	53.6	565.4	2523.9	2944.9	2993.7
50°	17.0	22.5	41.4	45.0	33.4	41.0	534.3	2588.2	3001.0	3047.9
52.5°	13.9	18.9	39.1	34.5	28.0	33.8	551.1	2692.5	3053.0	3082.4
55°	11.6	14.9	23.5	24.0	23.8	28.8	571.9	2842.1	3187.3	3201.1
57.5°	10.1	12.0	16.4	18.5	20.0	25.6	572.3	3056.9	3395.1	3403.8
60°	8.6	10.5	13.7	14.9	17.2	22.9	551.5	3132.0	3476.9	3505.5
62.5°	7.6	9.2	11.4	12.4	14.5	20.6	502.8	3023.3	3364.7	3413.2
65°	6.7	8.4	9.5	10.5	12.8	18.5	422.5	2806.0	3178.4	3229.1
67.5°	5.9	7.4	8.4	9.5	11.6	16.4	311.1	2553.6	2964.7	3006.7
70°	5.3	6.5	7.6	8.4	10.1	13.9	188.7	2166.8	2669.2	2686.6
72.5°	5.0	5.9	6.9	7.6	8.8	12.2	95.6	1592.4	2133.8	2162.2
75°	4.4	5.3	6.3	6.7	7.8	10.5	38.9	1045.9	1546.3	1591.9
77.5°	3.6	4.8	5.7	6.1	6.7	8.6	19.8	668.4	1085.2	1114.6
80°	1.3	3.6	4.8	5.0	5.7	6.3	13.0	365.9	629.5	642.1
82.5°	0.0	2.3	3.8	3.6	4.0	4.8	8.4	174.0	415.5	420.2
85°	0.0	1.1	2.9	2.3	1.7	3.4	2.9	38.0	218.0	227.0
87.5°	0.0	0.0	0.2	1.1	0.8	1.3	0.4	0.2	19.8	25.0
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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