

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: STREETWORKS

Report Number: P385916

Luminaire Tested: GAW-SA1C-730-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-730-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5100 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

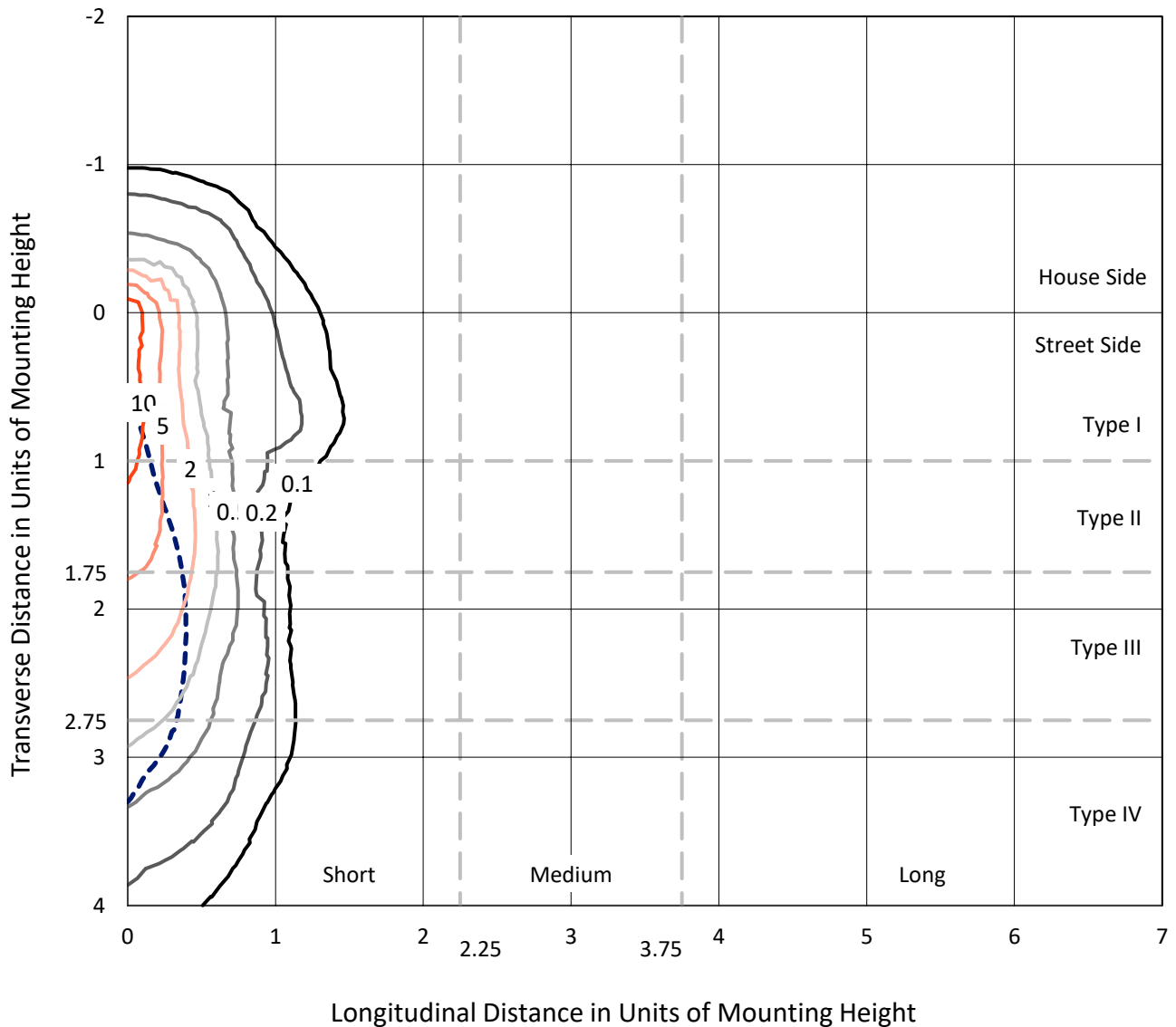
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

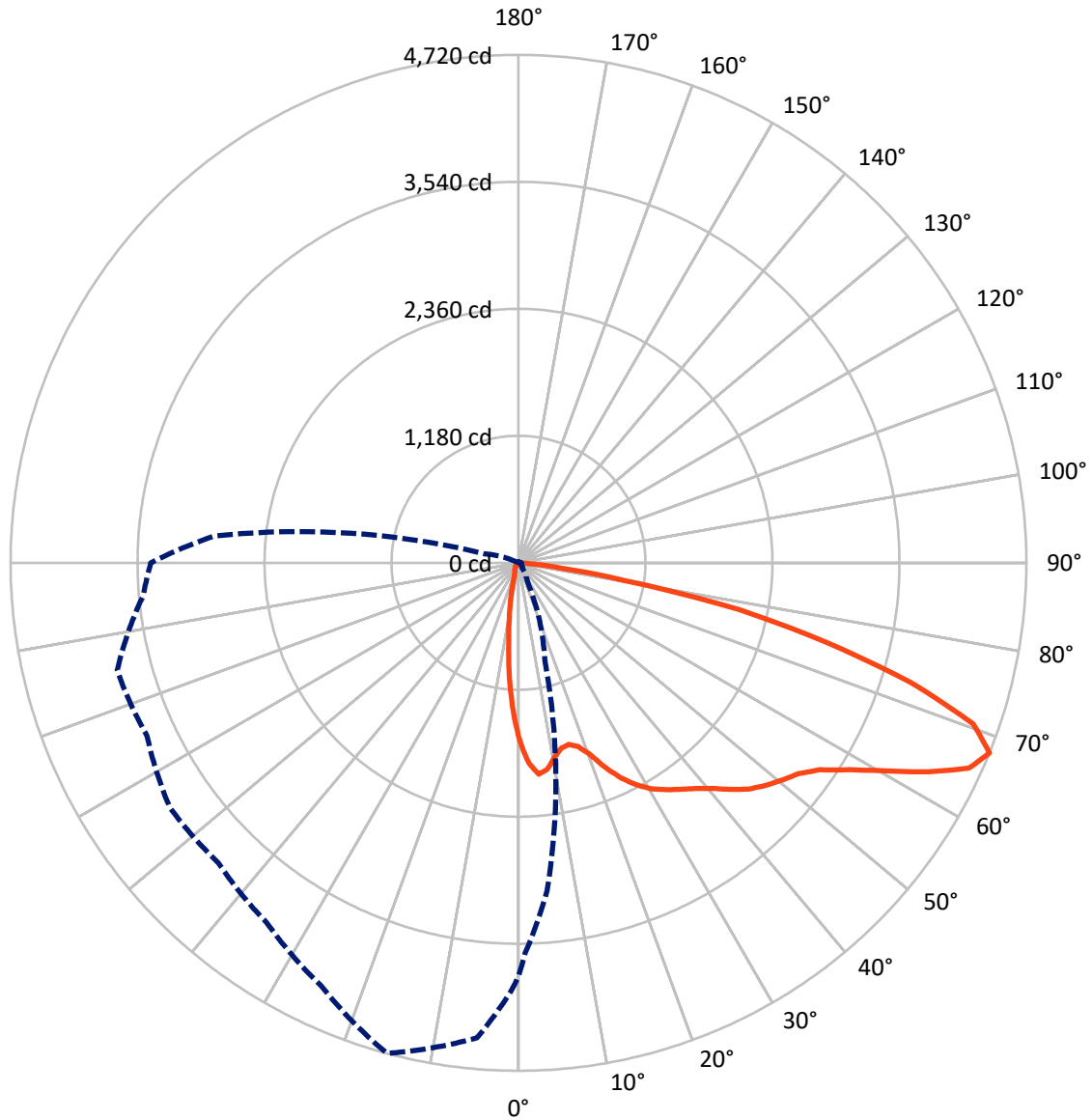
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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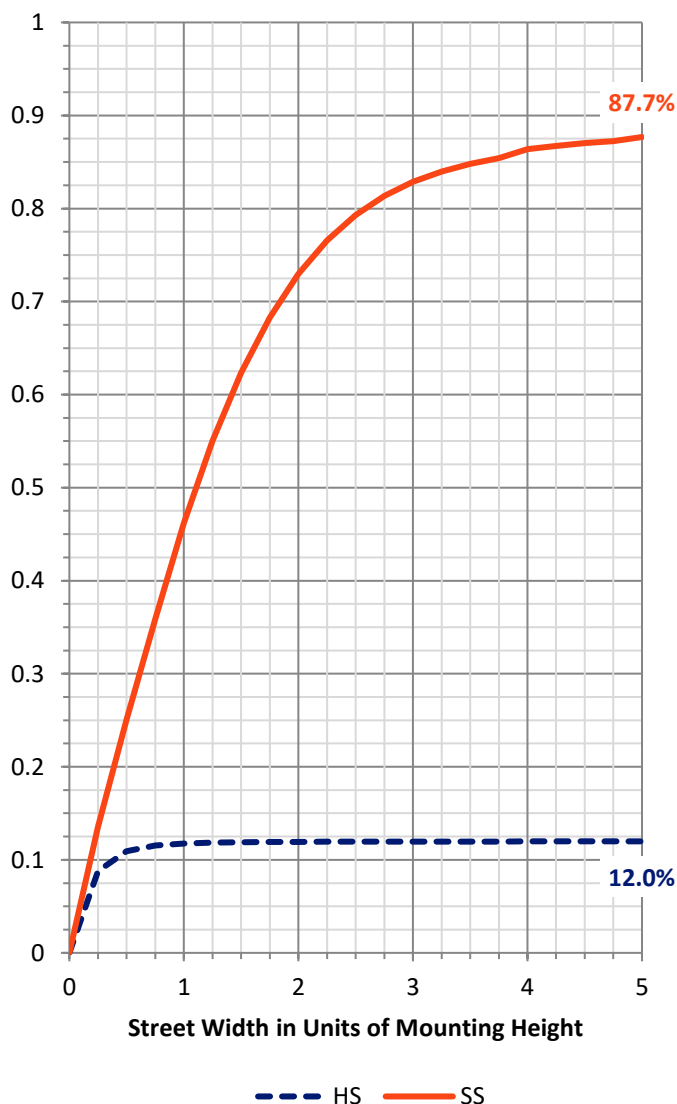
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.3	0.0	617.3
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	4482.7	0.0	4482.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	5100.0	0.0	5100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	2.5
10°-20°	253.8	5.0
20°-30°	360.4	7.1
30°-40°	532.3	10.4
40°-50°	767.7	15.1
50°-60°	1077.7	21.1
60°-70°	1256.3	24.6
70°-80°	642.2	12.6
80°-90°	82.0	1.6
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°	5100.0	100.0
0°-180°	5100.0	100.0

Coefficient of Utilization

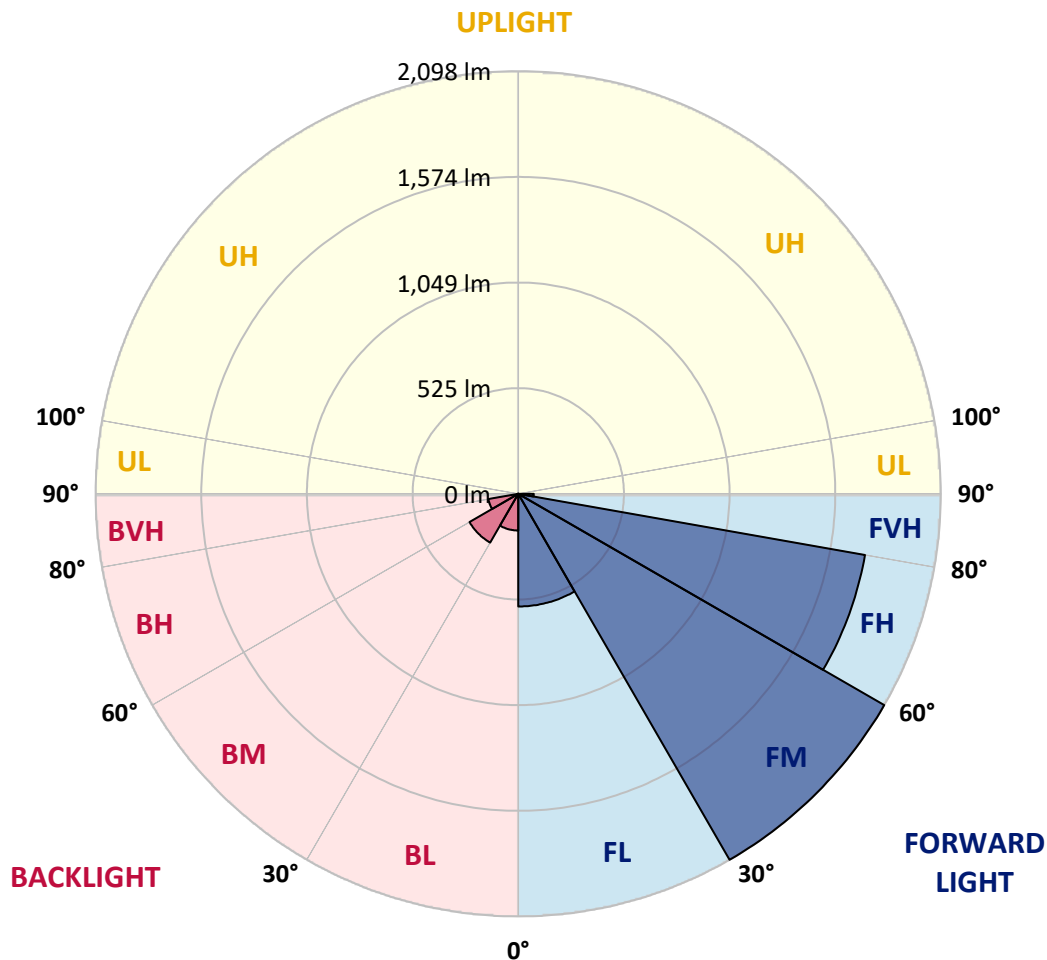


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.4	11.0			
FM (30°-60°)	2098.2	41.1			
FH (60°-80°)	1748.1	34.3			G1/1800
FVH (80°-90°)	77.0	1.5			G1/100
BL (0°-30°)	182.3	3.6	B1/500		
BM (30°-60°)	279.5	5.5	B1/1000		
BH (60°-80°)	150.4	2.9	B1/500		G1/500
BVH (80°-90°)	5.0	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3
2.5°	1819.1	1805.1	1789.6	1739.1	1692.2	1638.6	1594.9	1564.4	1526.3	1476.7	1464.2
5°	1806.0	1791.1	1742.5	1630.1	1531.8	1436.1	1343.8	1289.7	1222.6	1154.4	1137.5
7.5°	1674.8	1659.1	1589.1	1435.2	1302.8	1164.6	1044.7	970.6	894.7	832.3	799.2
10°	1538.3	1521.2	1442.4	1255.7	1092.6	967.7	879.7	808.9	737.2	670.5	617.3
12.5°	1444.3	1421.9	1336.3	1124.7	982.6	897.8	815.7	730.9	633.7	562.2	503.8
15°	1405.0	1379.4	1289.0	1074.2	943.7	844.2	737.2	633.0	519.2	437.3	383.7
17.5°	1435.4	1402.1	1305.2	1070.8	894.9	759.4	624.1	501.8	378.4	295.5	257.3
20°	1538.8	1495.1	1372.1	1069.9	835.7	658.6	487.1	348.9	249.3	200.5	180.5
22.5°	1701.7	1643.9	1468.3	1077.6	774.6	552.8	351.8	237.0	187.2	161.9	150.0
25°	1898.3	1831.4	1606.7	1104.9	721.0	449.9	255.6	187.2	158.0	139.4	129.5
27.5°	2085.3	2031.0	1781.6	1144.3	679.4	366.8	207.5	158.7	135.1	122.7	114.8
30°	2272.1	2203.7	1961.2	1191.1	629.4	310.5	182.4	144.7	121.0	108.0	102.9
32.5°	2407.9	2351.1	2101.8	1225.0	576.0	273.7	163.1	132.4	113.1	99.8	92.3
35°	2567.6	2503.3	2222.3	1232.5	541.7	250.6	146.7	119.1	98.1	86.3	78.3
37.5°	2740.1	2660.1	2361.5	1216.0	514.9	239.2	134.3	113.1	91.6	79.5	71.0
40°	2931.0	2840.6	2495.1	1192.3	488.5	235.3	124.9	108.5	86.5	74.2	65.5
42.5°	3132.0	3025.4	2610.8	1167.5	471.9	222.0	123.9	103.9	82.6	69.3	60.6
45°	3300.9	3192.9	2729.7	1159.2	460.0	207.5	128.1	100.8	80.0	65.5	57.0
47.5°	3435.5	3333.3	2851.5	1177.6	453.3	194.3	116.7	104.9	78.5	62.1	53.9
50°	3596.1	3480.4	3023.0	1232.5	443.4	181.0	105.6	120.1	78.5	59.9	51.2
52.5°	3797.6	3683.1	3214.4	1317.5	423.5	162.6	95.0	120.3	79.2	57.0	47.8
55°	4051.1	3968.0	3487.7	1410.8	391.9	135.5	82.1	103.4	76.3	51.7	44.7
57.5°	4294.1	4226.3	3736.8	1474.6	349.6	105.8	71.5	83.4	69.8	45.4	39.9
59°	4360.6	4286.4	3828.1	1477.4	318.0	92.3	66.2	68.9	68.4	42.5	37.0
60°	4360.6	4281.8	3854.4	1462.0	295.0	84.8	62.8	61.4	71.3	40.6	35.3
62.5°	4281.6	4170.9	3768.9	1357.4	240.6	72.2	54.8	50.7	64.0	36.5	31.2
65°	4117.3	3956.1	3477.5	1168.2	214.6	66.2	47.4	41.6	44.5	32.1	27.3
67.5°	3843.3	3624.9	3057.3	943.7	204.2	64.5	40.8	35.3	33.6	27.5	23.9
70°	3360.8	3118.5	2547.3	742.0	195.2	63.8	34.3	29.7	27.1	23.2	20.3
72.5°	2446.1	2193.3	1808.5	580.1	189.9	65.2	27.5	24.9	22.2	18.1	15.7
75°	1399.2	1233.7	1016.5	383.2	161.9	62.3	21.3	20.8	15.9	13.0	10.9
77.5°	722.9	700.9	609.1	147.1	77.6	27.3	14.0	12.1	9.4	8.0	6.5
80°	311.9	308.5	267.0	42.5	20.5	15.2	8.0	5.1	4.3	3.4	2.7
82.5°	107.8	107.8	95.0	14.3	9.2	7.5	1.0	0.0	0.0	0.0	0.0
85°	21.7	24.4	17.2	0.0	3.1	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°	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3
2.5°	1448.9	1419.7	1417.8	1399.4	1376.5	1366.1	1360.0	1370.7	1383.7	1385.2	1404.7
5°	1124.7	1094.0	1106.8	1074.2	1080.7	1074.2	1063.6	1065.5	1071.3	1053.2	1075.7
7.5°	789.8	766.6	781.4	772.7	784.3	788.9	782.3	772.7	744.2	740.8	760.3
10°	595.3	569.0	553.3	536.9	540.5	548.0	545.6	538.6	520.4	521.4	540.2
12.5°	478.4	448.9	417.7	377.4	367.5	373.0	367.5	363.4	346.0	347.4	364.1
15°	362.9	338.7	306.1	273.7	256.1	257.8	242.3	231.5	220.6	207.5	217.7
17.5°	245.0	230.3	220.6	210.9	189.9	185.1	165.5	144.5	136.3	130.2	134.6
20°	173.5	165.5	161.6	161.2	149.1	143.0	123.9	110.9	106.8	105.6	108.2
22.5°	145.0	139.2	133.6	130.5	124.4	117.4	102.9	96.4	93.5	92.1	94.0
25°	126.1	121.8	116.0	110.7	108.2	100.8	90.4	85.5	83.6	82.1	83.1
27.5°	112.1	108.2	101.5	98.1	96.2	89.6	80.7	76.8	75.1	74.7	74.4
30°	101.0	97.4	91.1	87.2	83.8	78.0	72.7	68.9	67.2	66.7	66.2
32.5°	89.9	87.0	82.9	79.0	75.4	70.1	65.5	62.3	59.7	59.2	59.0
35°	75.9	73.0	70.8	70.6	67.2	62.1	58.7	54.6	52.4	51.7	51.9
37.5°	67.4	63.5	58.7	60.4	59.4	55.8	51.2	47.1	44.9	44.5	44.5
40°	62.1	58.0	52.4	49.5	52.4	51.7	44.5	40.3	38.2	37.9	37.4
42.5°	57.0	52.9	46.6	41.8	43.2	45.4	38.4	34.6	32.4	31.9	31.2
45°	53.4	49.0	42.0	36.5	33.6	38.2	32.9	28.0	26.8	25.9	25.4
47.5°	50.0	45.9	37.9	31.7	26.8	27.5	26.3	23.0	21.5	20.5	20.3
50°	47.1	42.8	34.3	27.1	22.2	20.3	21.3	18.1	16.9	15.9	15.5
52.5°	43.7	39.6	30.4	23.4	18.6	15.9	16.2	14.3	13.0	12.3	12.1
55°	41.1	37.0	27.3	20.5	16.4	13.0	11.6	11.1	10.4	9.9	9.7
57.5°	37.4	33.6	24.2	17.4	14.0	10.6	8.9	8.9	8.7	8.2	8.0
59°	35.3	31.9	22.2	15.7	12.8	9.2	8.0	8.2	8.0	7.5	7.2
60°	33.6	30.4	20.8	14.5	12.1	8.5	7.2	7.7	7.5	7.0	6.8
62.5°	29.7	27.5	17.9	12.1	10.6	6.8	6.0	6.5	6.5	6.3	6.0
65°	26.1	23.7	15.2	10.1	9.9	5.8	4.8	5.8	6.0	5.6	5.1
67.5°	22.7	20.3	13.3	8.2	9.2	4.6	3.6	4.8	6.5	5.1	4.6
70°	19.3	16.9	10.4	6.5	9.7	3.1	2.9	4.3	7.7	5.6	4.3
72.5°	15.0	13.0	7.2	4.8	10.4	2.2	2.2	3.6	8.7	6.0	4.1
75°	10.4	8.5	4.3	2.9	8.5	1.4	1.4	3.4	8.2	5.6	3.9
77.5°	6.0	4.6	1.4	0.2	4.3	0.0	0.2	2.4	5.8	3.4	1.7
80°	2.2	1.0	0.0	0.0	2.7	0.0	0.0	0.0	0.5	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°	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3
2.5°	1409.8	1442.4	1471.7	1515.9	1568.3	1628.7	1680.6	1736.5	1788.9	1810.6	1825.6
5°	1080.2	1120.6	1167.7	1232.7	1319.2	1425.7	1525.5	1638.4	1759.7	1820.3	1877.3
7.5°	763.7	804.8	863.3	932.4	1037.0	1163.8	1294.3	1450.1	1614.4	1710.4	1804.8
10°	549.2	599.7	654.3	748.8	855.1	975.4	1109.7	1283.7	1466.8	1573.1	1686.9
12.5°	373.8	431.3	513.9	619.7	744.6	862.6	979.2	1145.2	1357.9	1463.2	1585.2
15°	224.2	256.1	343.6	466.1	619.2	766.1	894.0	1060.4	1287.1	1416.1	1542.9
17.5°	138.2	152.9	200.5	301.0	462.0	647.8	822.9	1031.7	1297.2	1454.3	1590.0
20°	110.2	116.0	131.2	177.8	306.1	517.3	743.0	1025.9	1380.1	1573.4	1719.1
22.5°	95.7	101.2	111.4	129.3	192.6	387.3	667.1	1031.2	1499.0	1751.9	1922.0
25°	84.3	89.2	98.8	113.6	141.1	272.8	585.9	1054.9	1653.8	1973.5	2154.2
27.5°	75.4	79.5	88.4	102.0	121.0	190.4	493.9	1083.6	1837.4	2200.1	2378.4
30°	67.2	70.8	78.8	91.3	105.1	146.4	392.9	1103.2	2021.3	2378.4	2538.6
32.5°	60.2	62.8	70.1	80.7	91.3	116.7	298.6	1100.1	2157.8	2526.8	2653.9
35°	52.9	55.6	61.9	71.0	79.5	96.4	234.8	1041.3	2276.7	2680.7	2785.8
37.5°	44.9	48.3	54.4	62.6	68.4	84.8	189.9	970.6	2397.3	2856.6	2932.9
40°	38.2	41.6	46.9	55.8	59.4	80.5	145.9	884.3	2532.8	3053.2	3094.3
42.5°	31.7	34.8	40.3	48.1	56.1	69.3	108.0	785.7	2663.0	3221.4	3241.4
45°	25.6	28.8	34.6	42.3	59.9	57.5	83.6	680.1	2768.1	3361.3	3367.8
47.5°	20.3	23.2	29.2	39.9	55.8	45.9	59.7	597.3	2856.3	3470.5	3453.3
50°	15.7	18.1	24.4	45.7	48.8	37.9	45.2	569.7	2935.3	3538.1	3493.7
52.5°	12.3	14.5	20.1	42.8	37.9	31.4	37.9	595.6	3043.6	3594.2	3516.4
55°	9.9	12.1	15.7	24.4	25.9	26.6	32.4	619.7	3230.3	3725.6	3650.5
57.5°	8.2	10.4	12.8	17.2	19.6	22.5	28.8	622.4	3450.4	3944.1	3873.0
59°	7.5	9.4	11.6	15.2	17.2	20.5	27.1	607.9	3528.0	4023.5	3988.0
60°	7.0	8.9	10.9	14.0	15.9	19.3	26.1	594.1	3531.4	4020.6	4037.1
62.5°	6.0	8.0	9.7	11.8	13.5	16.4	23.4	543.1	3388.3	3889.0	4007.6
65°	5.3	7.0	8.7	10.1	11.6	14.7	21.3	450.1	3144.1	3676.6	3805.9
67.5°	4.8	6.0	8.0	8.9	10.4	13.0	18.8	320.9	2838.9	3416.9	3500.7
70°	4.3	5.8	7.2	8.2	9.4	11.4	16.2	184.3	2397.3	3036.6	3096.2
72.5°	4.1	5.6	6.5	7.7	8.5	10.1	14.7	86.7	1755.3	2432.5	2588.4
75°	3.6	5.1	6.0	7.2	8.0	9.2	12.6	41.6	1167.5	1760.4	1937.5
77.5°	2.2	4.1	5.6	6.5	7.0	8.0	10.4	23.9	745.1	1218.4	1435.2
80°	0.0	1.4	4.1	5.6	6.0	6.8	8.0	18.8	398.7	696.1	835.5
82.5°	0.0	0.0	2.9	4.3	4.1	4.6	6.0	11.8	179.8	455.0	512.7
85°	0.0	0.0	1.0	3.4	2.9	2.2	4.1	4.1	39.4	230.3	287.3
87.5°	0.0	0.0	0.0	0.2	1.4	1.0	1.7	0.5	0.2	17.2	69.6
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°	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3
2.5°	1878.0	1895.9	1926.1	1940.4	1933.4	1903.7	1868.1	1831.9	1810.6	1819.1
5°	1993.5	2085.6	2138.7	2156.4	2126.9	2060.2	1973.0	1858.0	1817.2	1806.0
7.5°	1993.5	2166.8	2276.5	2295.8	2230.1	2099.4	1935.8	1756.3	1696.6	1674.8
10°	1923.5	2159.3	2312.2	2342.9	2251.1	2055.6	1836.5	1631.6	1560.8	1538.3
12.5°	1844.5	2098.4	2259.5	2301.8	2226.4	2012.1	1767.6	1547.3	1463.9	1444.3
15°	1795.9	2023.5	2156.9	2187.5	2155.7	1986.8	1751.2	1521.9	1423.8	1405.0
17.5°	1813.3	1965.5	2013.6	2031.5	2053.0	1977.8	1795.9	1577.5	1453.3	1435.4
20°	1878.8	1904.4	1879.5	1902.0	1959.9	1986.5	1902.4	1711.8	1562.7	1538.8
22.5°	1989.9	1872.7	1802.9	1811.8	1882.4	2015.3	2065.3	1903.7	1731.6	1701.7
25°	2119.4	1898.3	1760.4	1752.4	1824.9	2053.2	2214.1	2112.4	1931.4	1898.3
27.5°	2282.3	1955.8	1751.7	1743.7	1804.8	2088.7	2337.8	2318.7	2141.9	2085.3
30°	2407.9	2012.4	1777.5	1759.2	1824.9	2113.4	2437.1	2493.9	2309.6	2272.1
32.5°	2498.0	2079.1	1819.6	1793.0	1881.4	2155.9	2513.7	2654.3	2464.7	2407.9
35°	2566.6	2151.5	1887.5	1843.7	1959.2	2220.4	2585.5	2825.2	2629.7	2567.6
37.5°	2630.9	2253.3	1993.5	1941.3	2081.2	2324.3	2661.3	3018.9	2814.3	2740.1
40°	2720.5	2368.5	2157.1	2110.7	2286.4	2465.9	2756.1	3220.9	3024.2	2931.0
42.5°	2810.2	2492.2	2324.5	2337.1	2542.2	2637.9	2878.3	3434.5	3231.5	3132.0
45°	2892.1	2619.8	2563.0	2621.0	2779.7	2826.6	2999.8	3558.0	3397.0	3300.9
47.5°	2965.0	2779.2	2800.0	2954.4	3049.9	2997.4	3090.7	3664.5	3520.3	3435.5
50°	3049.9	2985.6	3112.4	3330.8	3360.8	3152.1	3173.3	3790.6	3664.3	3596.1
52.5°	3142.6	3203.0	3458.4	3651.0	3641.3	3320.0	3256.4	3932.0	3861.7	3797.6
55°	3248.0	3378.7	3763.1	3950.6	3942.4	3507.5	3394.1	4106.7	4109.1	4051.1
57.5°	3404.3	3529.9	3969.9	4192.9	4206.7	3723.9	3627.5	4302.4	4332.8	4294.1
59°	3516.4	3628.0	4051.8	4294.1	4350.2	3891.4	3798.1	4415.9	4395.9	4360.6
60°	3599.5	3690.4	4092.4	4347.1	4433.6	4004.9	3924.0	4482.6	4403.4	4360.6
62.5°	3805.1	3826.1	4165.6	4407.0	4529.5	4257.2	4278.2	4596.2	4351.4	4281.6
65°	3901.0	3911.9	4164.6	4299.7	4436.7	4453.6	4599.5	4599.5	4224.6	4117.3
67.5°	3860.9	3808.5	3958.1	3944.1	4080.8	4336.9	4720.3	4430.9	3982.0	3843.3
70°	3534.8	3333.0	3266.6	3272.6	3377.2	3772.3	4481.2	3934.6	3522.9	3360.8
72.5°	2941.1	2457.2	2293.1	2480.4	2507.7	2899.1	3818.9	2963.1	2598.0	2446.1
75°	2365.6	1732.1	1465.4	1663.0	1709.4	2121.6	2954.2	1845.4	1517.6	1399.2
77.5°	1699.5	1243.3	1051.5	1037.7	1097.6	1345.5	2096.2	928.8	774.6	722.9
80°	965.5	818.3	881.2	831.4	861.6	841.3	995.9	407.4	333.7	311.9
82.5°	582.8	483.7	523.8	436.1	551.8	480.6	383.7	130.5	113.3	107.8
85°	379.1	264.3	137.7	92.3	190.1	307.1	85.8	35.5	27.3	21.7
87.5°	130.7	67.4	6.8	2.9	20.3	57.3	3.1	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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