

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: P199999

Luminaire Tested: **GAW-AF-01-LED-U-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAW-AF-01-LED-U-SLL-7030
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5404 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

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

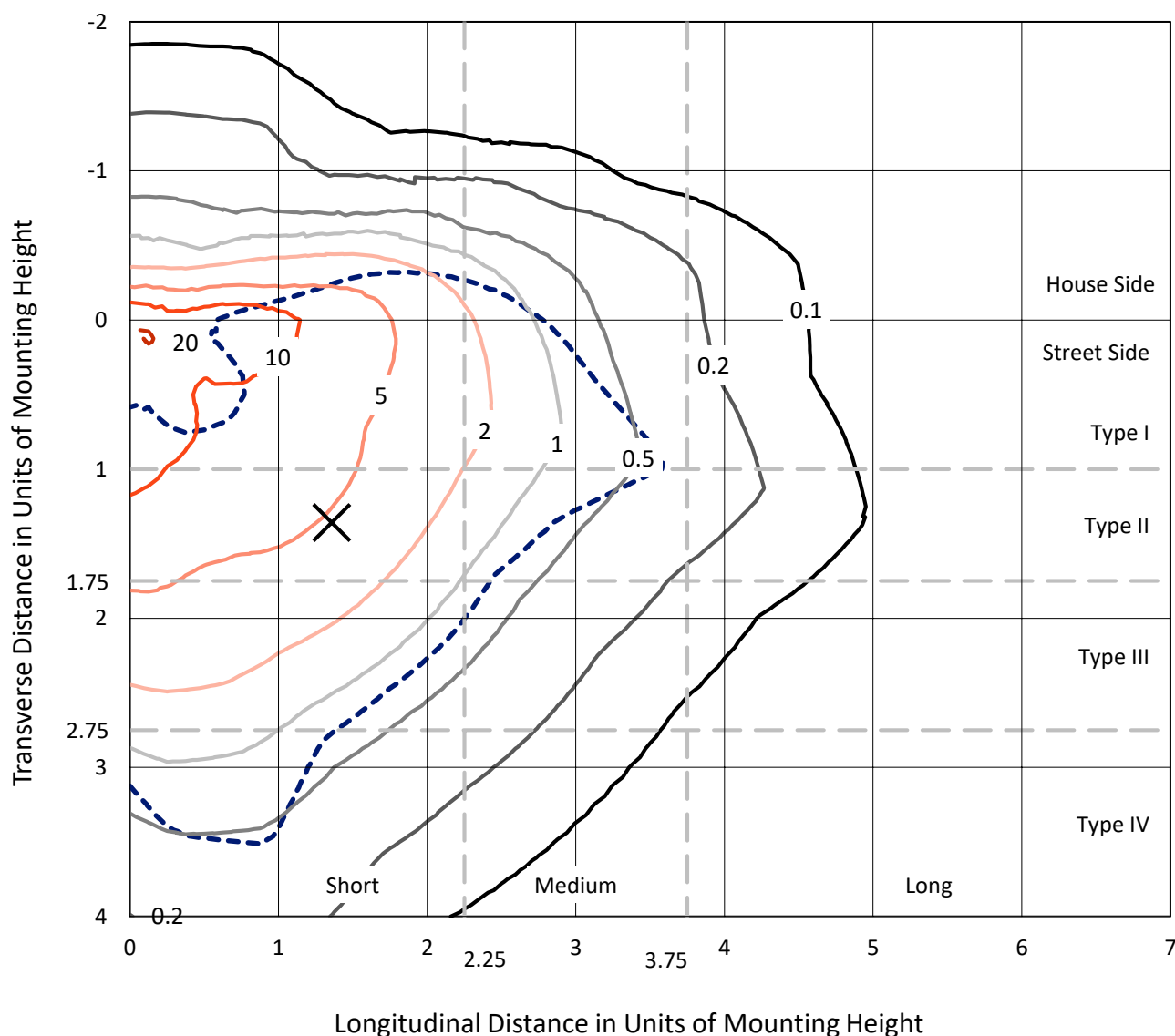


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

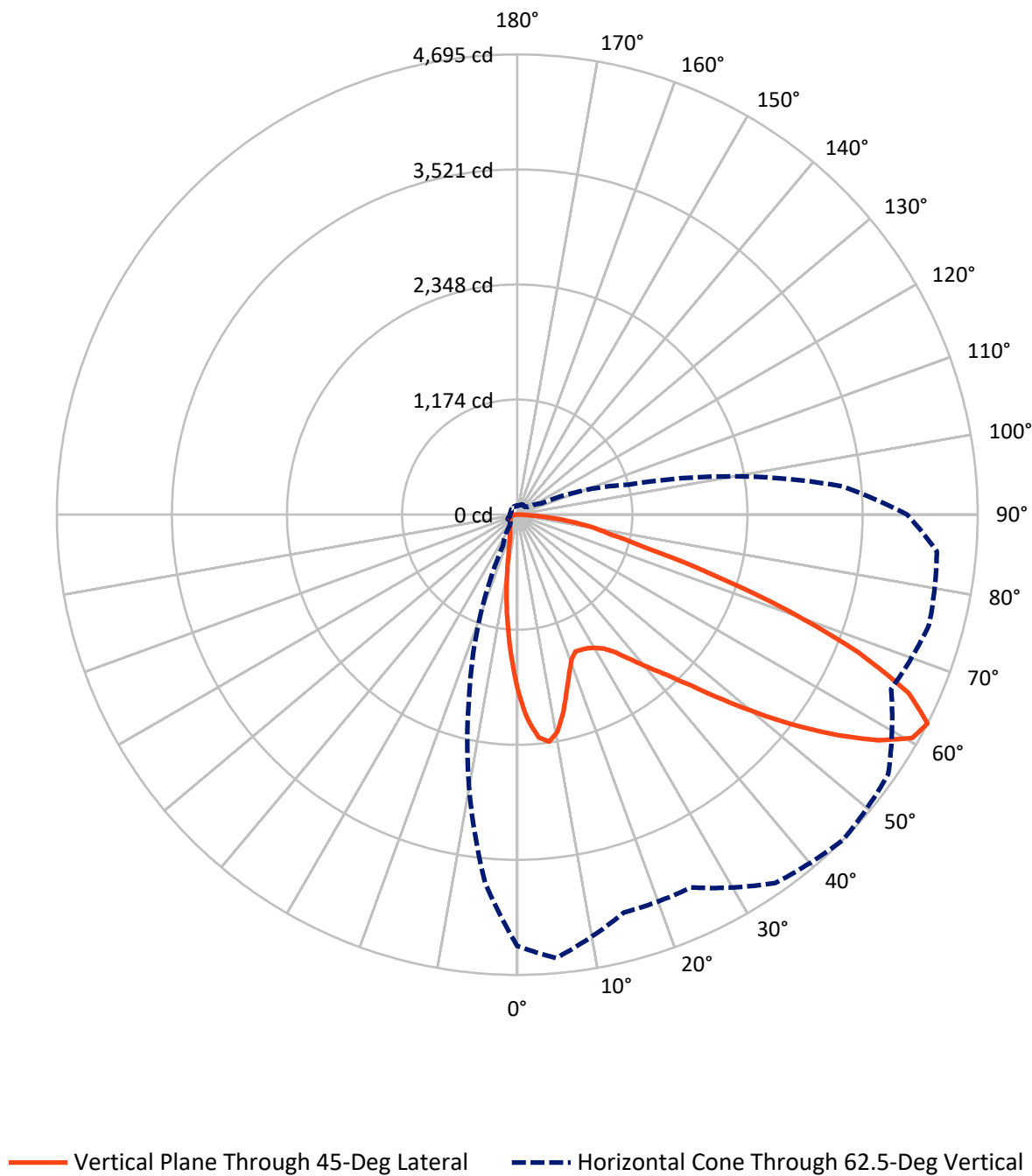


Based on 10 foot mounting height. Maximum calculated value = 21.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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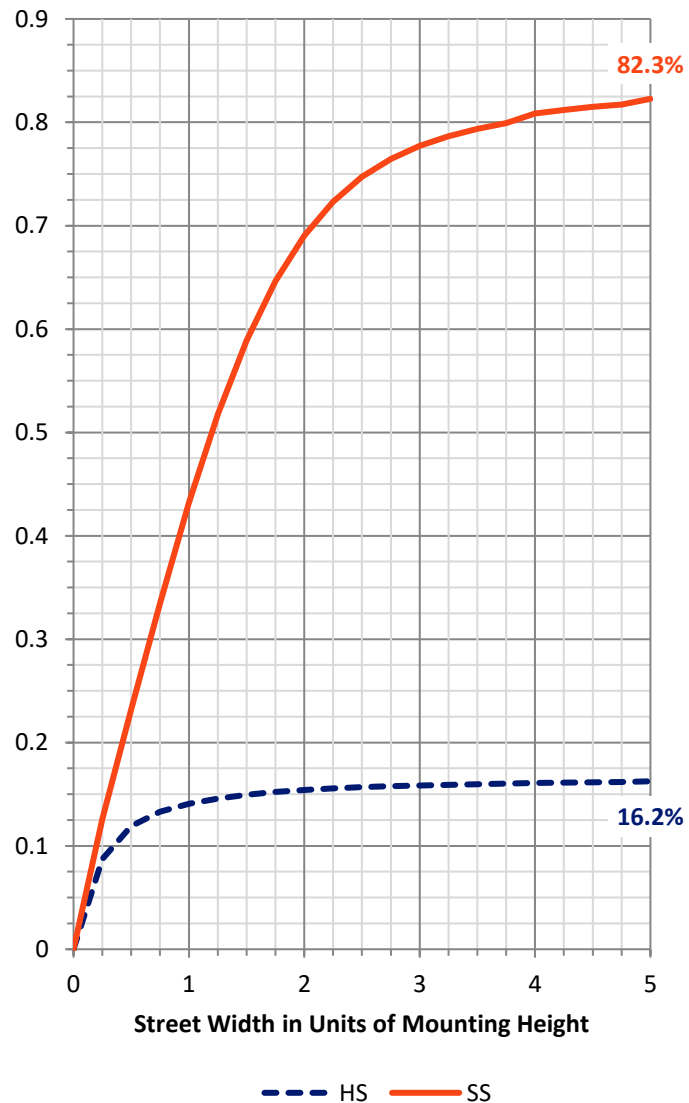
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	894.3	0.0	894.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4509.7	0.0	4509.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	5404.0	0.0	5404.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	2.5
10°-20°	243.7	4.5
20°-30°	355.3	6.6
30°-40°	547.3	10.1
40°-50°	805.4	14.9
50°-60°	1181.4	21.9
60°-70°	1320.6	24.4
70°-80°	646.6	12.0
80°-90°	170.7	3.2
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°	5404.0	100.0
0°-180°	5404.0	100.0

Coefficient of Utilization



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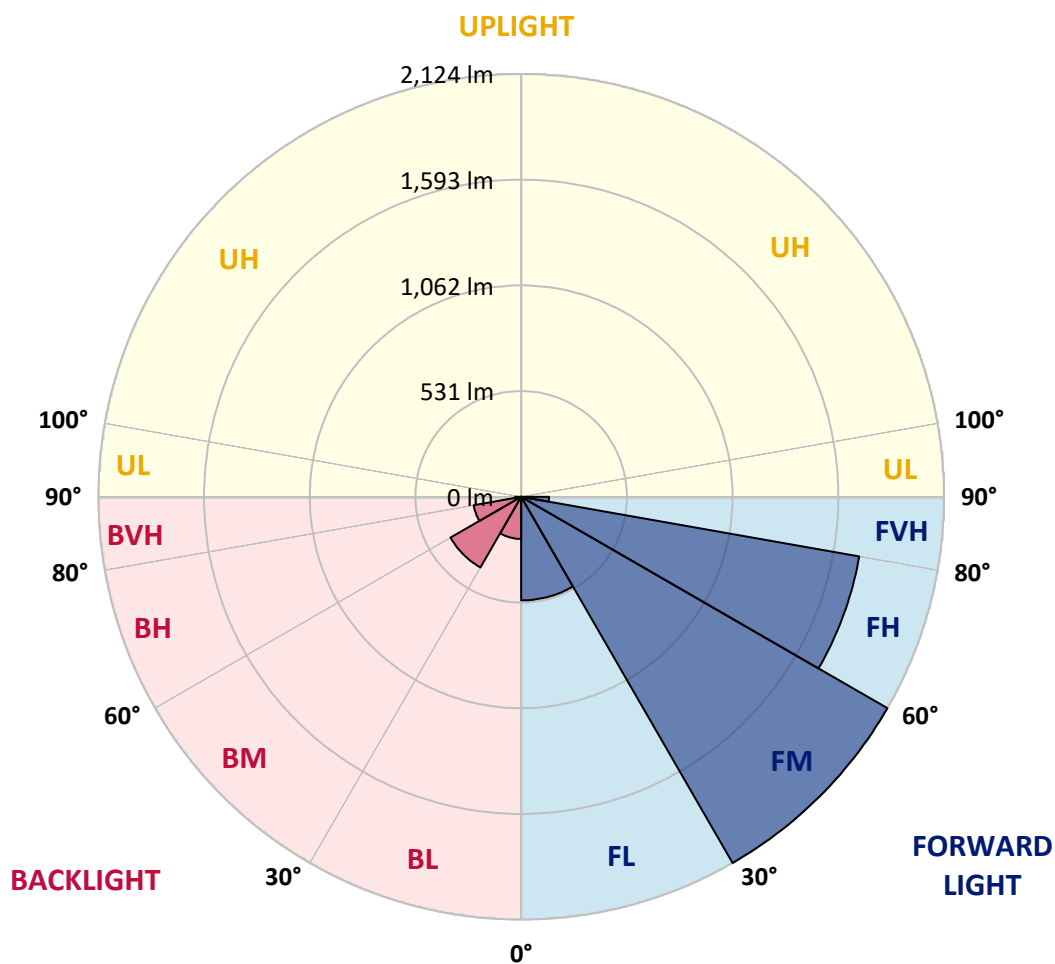
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.4	9.6			
FM	(30°-60°)	2124.3	39.3			
FH	(60°-80°)	1724.8	31.9			G1/1800
FVH	(80°-90°)	140.2	2.6			G2/225
BL	(0°-30°)	211.6	3.9	B1/500		
BM	(30°-60°)	409.8	7.6	B1/1000		
BH	(60°-80°)	242.4	4.5	B1/500		G1/500
BVH	(80°-90°)	30.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1897.1	1927.4	1986.5	2030.7	2084.4	2097.0	2114.1	2097.2	2067.3	2027.5	2014.4
5°	1783.8	1848.6	1992.2	2118.3	2230.6	2283.0	2297.5	2254.4	2167.3	2053.0	1983.2
7.5°	1602.4	1694.5	1888.8	2074.8	2240.2	2337.9	2335.5	2235.5	2075.3	1889.0	1777.0
10°	1445.8	1550.9	1773.8	1981.8	2157.4	2252.1	2215.4	2087.5	1896.4	1681.9	1560.4
12.5°	1358.2	1461.3	1687.3	1896.2	2042.9	2075.6	2047.6	1922.3	1742.2	1525.4	1419.1
15°	1343.1	1456.2	1652.9	1822.8	1905.1	1876.5	1843.3	1787.2	1659.9	1474.9	1364.1
17.5°	1408.7	1533.5	1692.3	1771.6	1757.8	1708.2	1698.7	1704.9	1674.3	1531.0	1403.3
20°	1534.6	1684.3	1786.5	1747.6	1645.8	1577.3	1579.8	1675.2	1765.7	1673.3	1527.5
22.5°	1711.3	1882.2	1922.3	1760.3	1598.5	1517.4	1537.0	1691.5	1911.6	1881.3	1695.0
25°	1940.1	2095.8	2066.9	1806.7	1603.3	1524.8	1540.5	1747.9	2083.9	2089.2	1902.4
27.5°	2161.7	2306.1	2188.5	1868.3	1622.8	1542.3	1563.2	1836.7	2248.4	2314.9	2139.4
30°	2334.7	2435.1	2236.5	1924.4	1661.5	1576.5	1602.4	1921.1	2323.3	2467.4	2321.9
32.5°	2477.8	2550.0	2313.2	1993.9	1732.6	1630.2	1675.7	2023.6	2431.1	2612.4	2500.4
35°	2660.8	2681.3	2408.6	2071.4	1842.1	1723.9	1780.3	2124.0	2533.9	2758.8	2676.2
37.5°	2875.2	2848.8	2498.6	2177.4	1983.8	1870.3	1917.0	2234.3	2618.6	2924.9	2855.9
40°	3087.3	3023.9	2611.6	2342.1	2190.5	2042.9	2098.1	2351.8	2697.6	3091.3	3031.5
42.5°	3267.7	3173.6	2722.8	2522.9	2383.1	2233.4	2299.3	2470.4	2773.1	3233.2	3184.0
45°	3401.0	3284.0	2828.9	2696.7	2648.3	2486.4	2517.7	2606.2	2854.7	3351.7	3309.3
47.5°	3520.3	3395.1	2948.9	2872.0	2880.3	2815.6	2765.4	2764.2	2951.0	3448.7	3427.8
50°	3679.8	3549.3	3077.9	3052.6	3228.5	3185.5	3074.5	2948.7	3072.8	3558.5	3556.2
52.5°	3899.6	3793.5	3235.2	3247.1	3553.4	3581.7	3444.4	3170.2	3263.6	3760.2	3746.0
55°	4159.5	4097.7	3449.8	3470.8	3952.1	3972.3	3836.0	3447.4	3544.0	4052.2	4012.8
57.5°	4362.4	4349.3	3685.1	3739.4	4249.7	4340.7	4215.3	3768.3	3860.0	4298.3	4199.0
60°	4443.1	4506.4	3935.5	4010.4	4525.2	4625.8	4515.9	4050.1	4140.2	4400.1	4186.2
62.5°	4399.6	4541.0	4202.2	4196.0	4586.7	4695.1	4617.9	4207.0	4347.9	4295.0	3974.5
65°	4197.8	4417.1	4357.0	4148.1	4376.4	4385.2	4360.3	4136.9	4396.8	3962.5	3565.0
67.5°	3758.4	4074.0	4153.3	3738.2	3809.0	3751.0	3709.2	3753.0	4141.4	3464.4	2996.2
70°	3061.2	3535.9	3574.0	2990.0	2957.8	2919.0	2835.5	3077.0	3637.2	2839.3	2377.4
72.5°	2250.8	2749.9	2866.6	2193.0	2044.4	2052.4	1986.5	2318.9	2957.2	2109.1	1774.9
75°	1540.0	1991.2	2242.9	1530.1	1352.0	1355.3	1346.8	1643.0	2355.4	1467.3	1328.1
77.5°	1125.0	1422.7	1691.5	1028.6	998.7	980.3	975.9	1149.6	1805.8	1065.3	1031.4
80°	902.8	1051.0	1136.3	712.9	766.7	765.3	740.6	790.5	1179.4	779.2	771.5
82.5°	626.2	807.8	920.6	558.8	517.5	508.8	514.8	588.8	833.5	532.6	506.5
85°	330.3	536.5	911.7	495.2	307.1	245.1	304.9	482.2	722.2	282.2	247.2
87.5°	42.2	155.0	603.6	197.5	121.2	65.3	144.7	271.5	463.7	57.6	50.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1980.9	1941.3	1889.6	1841.8	1792.2	1742.9	1678.4	1638.1	1610.1	1604.7	1592.9
5°	1932.7	1801.3	1702.2	1616.3	1538.5	1428.6	1367.7	1317.2	1290.2	1287.5	1280.9
7.5°	1710.8	1529.6	1395.6	1274.1	1163.9	1075.1	977.0	931.3	912.6	917.0	921.5
10°	1479.9	1277.4	1123.5	999.2	902.2	827.3	748.7	695.4	658.7	651.1	649.6
12.5°	1311.2	1089.0	939.6	852.0	776.9	706.5	622.9	560.3	512.4	496.1	485.1
15°	1240.0	997.0	840.4	745.9	663.1	573.6	496.1	430.5	386.4	372.2	364.2
17.5°	1255.1	971.5	772.0	651.1	545.1	451.8	354.1	297.9	271.5	264.7	264.7
20°	1334.7	966.6	715.6	563.8	431.7	323.5	243.3	211.2	202.5	201.7	204.1
22.5°	1446.4	983.4	673.5	488.1	335.4	236.2	189.6	177.6	173.8	174.7	177.3
25°	1612.7	1039.4	642.9	420.6	263.2	193.4	169.1	161.9	160.1	162.5	165.7
27.5°	1810.0	1095.6	623.9	369.9	222.3	176.8	160.7	153.3	154.5	157.5	160.4
30°	1983.2	1141.6	593.9	333.6	209.4	177.6	160.7	150.6	149.4	150.0	150.9
32.5°	2138.5	1172.8	558.8	299.2	180.6	157.8	150.0	148.5	142.0	139.7	140.0
35°	2272.5	1172.8	537.7	278.9	161.9	140.0	127.4	119.9	116.8	117.0	120.3
37.5°	2401.7	1149.3	527.2	267.6	151.8	133.1	122.1	115.6	111.1	110.3	110.8
40°	2515.8	1115.2	515.3	262.9	144.1	128.9	118.5	113.2	108.3	107.0	107.3
42.5°	2607.4	1087.5	502.4	256.6	139.3	125.9	116.2	111.5	106.1	104.6	104.3
45°	2706.3	1078.4	485.1	244.2	141.7	126.3	115.6	110.5	105.1	103.4	102.8
47.5°	2836.7	1107.2	467.3	229.3	146.7	127.8	116.5	110.5	104.9	103.4	102.8
50°	3001.0	1174.9	444.6	207.6	141.7	131.8	116.2	109.6	104.9	103.4	102.1
52.5°	3211.9	1266.5	414.9	182.7	138.8	142.0	115.6	107.8	103.4	101.3	99.2
55°	3468.2	1341.2	379.6	162.2	131.8	139.3	114.6	105.8	100.9	98.0	96.2
57.5°	3656.0	1368.3	334.3	148.8	122.4	134.8	113.5	103.0	98.0	95.6	93.3
60°	3618.7	1316.0	295.9	140.5	116.8	121.9	112.5	100.7	95.4	93.5	91.4
62.5°	3321.5	1179.4	271.2	136.7	113.2	111.1	113.5	98.4	93.0	91.2	90.5
65°	2875.6	977.7	261.4	135.8	110.3	104.9	105.4	95.6	90.3	88.8	88.3
67.5°	2372.0	789.0	252.8	138.8	106.3	100.4	97.5	92.1	87.6	86.1	85.0
70°	1870.6	656.2	248.9	136.9	101.6	95.9	92.7	88.3	84.3	82.9	82.0
72.5°	1506.3	554.3	246.8	135.2	95.4	90.0	87.1	83.1	79.0	78.4	77.6
75°	1274.7	435.8	226.0	129.5	88.3	82.9	80.9	77.2	73.1	73.1	72.4
77.5°	983.4	315.2	188.0	114.6	80.9	74.9	73.1	70.4	65.7	66.5	66.2
80°	726.3	205.5	147.1	95.0	71.6	66.0	65.0	62.4	57.4	58.6	58.6
82.5°	497.5	134.8	105.8	77.8	61.1	55.8	55.8	53.2	47.5	48.1	49.9
85°	249.8	92.7	79.0	60.3	47.5	44.9	44.9	42.8	37.1	37.4	39.8
87.5°	76.1	55.8	52.3	43.0	34.2	33.6	32.1	30.6	27.0	26.8	28.2
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1574.8	1557.8	1537.3	1492.2	1476.9	1476.1	1489.8	1475.5	1502.9	1491.3	1504.1
5°	1269.9	1253.3	1230.5	1172.8	1137.7	1114.0	1102.7	1069.4	1093.4	1075.9	1090.5
7.5°	933.9	937.9	922.7	888.9	812.5	774.1	751.6	731.4	748.9	747.2	775.0
10°	656.5	666.9	656.2	622.0	560.3	539.2	543.3	551.3	574.2	586.0	629.3
12.5°	472.6	472.0	465.2	434.7	393.9	396.3	413.2	427.2	448.3	460.7	504.7
15°	352.9	347.6	344.6	319.7	296.4	301.5	309.9	311.3	324.7	332.1	367.7
17.5°	266.8	269.5	272.7	254.9	237.3	234.1	227.6	219.5	223.4	224.8	242.7
20°	211.9	222.5	230.5	218.1	200.3	190.7	182.4	177.0	177.0	176.8	181.8
22.5°	185.0	192.9	201.4	192.9	176.8	168.5	163.7	159.5	159.0	159.0	163.7
25°	170.6	176.1	184.4	178.5	166.6	160.4	155.9	150.6	148.5	147.9	151.3
27.5°	163.4	165.7	169.9	164.6	154.5	151.6	150.3	145.6	142.9	141.4	144.7
30°	151.3	150.6	150.9	145.6	137.5	137.2	139.3	140.2	139.3	139.0	144.1
32.5°	140.0	138.8	138.4	133.7	126.3	124.4	126.3	128.1	130.1	133.1	139.0
35°	125.6	128.6	130.4	126.3	117.4	112.0	110.0	106.6	104.9	104.9	111.7
37.5°	114.4	121.2	123.9	119.9	110.3	102.8	99.2	98.7	98.9	100.1	106.6
40°	110.5	115.6	117.9	114.0	104.3	97.5	95.4	94.7	95.4	97.1	103.7
42.5°	108.1	111.7	111.5	106.6	98.7	93.9	92.7	92.1	92.7	94.5	101.6
45°	106.1	108.3	106.1	100.4	93.0	90.5	90.9	90.5	91.2	93.0	99.9
47.5°	104.3	105.1	102.1	96.5	88.8	88.3	89.4	90.3	90.9	92.5	99.5
50°	101.6	101.6	98.9	93.0	85.2	85.5	87.1	89.1	89.4	91.2	96.8
52.5°	98.4	98.0	96.2	90.5	82.3	83.1	83.1	85.5	86.1	88.3	94.2
55°	95.6	95.0	94.2	88.8	79.6	81.1	80.2	81.1	82.6	84.6	91.2
57.5°	93.3	92.1	92.1	87.3	77.6	78.1	76.1	77.2	79.0	80.9	87.6
60°	90.9	89.7	90.3	85.2	74.3	73.6	72.7	75.2	75.7	77.8	84.6
62.5°	88.3	87.3	87.6	82.9	71.9	70.4	70.4	72.4	72.7	75.7	82.3
65°	86.1	85.0	84.6	80.6	69.2	67.4	68.3	69.2	69.8	72.7	79.0
67.5°	84.0	81.7	81.7	78.4	66.2	64.5	66.2	66.0	66.8	69.5	74.6
70°	81.4	78.1	78.4	76.9	63.3	61.1	62.8	62.4	63.0	64.8	69.8
72.5°	77.2	74.6	75.2	74.6	60.3	57.4	57.9	57.9	57.9	59.4	64.8
75°	71.9	69.8	71.6	73.1	56.7	52.6	53.2	53.2	52.3	53.2	59.6
77.5°	65.3	64.1	70.2	68.1	52.6	47.5	47.5	47.0	45.2	46.3	53.4
80°	58.2	57.4	64.8	57.1	47.8	41.3	40.7	39.3	37.4	38.4	45.5
82.5°	50.8	49.9	54.4	43.7	41.3	34.2	32.7	30.0	28.2	29.1	35.6
85°	41.6	41.6	41.8	33.0	31.4	26.1	24.4	20.8	18.7	19.3	25.5
87.5°	29.7	30.6	28.2	22.6	18.7	14.5	13.3	11.3	9.5	11.0	13.3
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1569.4	1602.1	1639.2	1686.8	1727.4	1794.2	1858.4	1897.1
5°	1173.5	1227.7	1295.5	1382.5	1463.6	1585.5	1706.3	1783.8
7.5°	839.7	898.0	971.1	1079.8	1194.5	1349.9	1509.6	1602.4
10°	694.8	754.6	816.0	889.4	983.4	1152.3	1341.2	1445.8
12.5°	574.8	638.7	704.9	782.2	869.1	1020.2	1237.9	1358.2
15°	440.0	511.3	589.4	687.1	796.2	970.6	1212.3	1343.1
17.5°	301.5	381.1	477.1	597.6	731.1	954.5	1258.0	1408.7
20°	207.6	265.6	368.1	509.4	669.9	952.4	1346.0	1534.6
22.5°	173.8	199.6	274.5	428.4	623.9	978.0	1482.3	1711.3
25°	160.7	176.1	219.3	358.0	590.2	1036.8	1670.1	1940.1
27.5°	153.0	166.9	199.1	311.9	563.8	1105.0	1852.8	2161.7
30°	155.9	170.2	193.4	288.5	527.8	1162.1	2015.0	2334.7
32.5°	140.5	146.7	165.7	267.6	502.0	1209.9	2157.0	2477.8
35°	119.7	130.7	147.9	257.9	502.6	1242.1	2311.7	2660.8
37.5°	114.0	125.1	137.5	254.2	509.4	1276.1	2489.4	2875.2
40°	110.5	120.6	131.3	252.2	516.0	1307.4	2663.5	3087.3
42.5°	108.1	117.4	130.7	245.1	519.3	1335.2	2806.7	3267.7
45°	107.8	117.4	133.1	237.9	524.3	1365.3	2926.6	3401.0
47.5°	108.1	121.2	128.6	229.3	524.3	1415.5	3067.5	3520.3
50°	107.0	127.8	123.9	217.2	512.1	1510.6	3260.6	3679.8
52.5°	106.3	126.8	114.6	198.5	491.0	1661.5	3508.0	3899.6
55°	104.9	122.4	108.1	170.6	466.4	1826.0	3773.0	4159.5
57.5°	103.4	108.3	104.6	146.2	428.4	1941.9	3955.4	4362.4
60°	115.9	94.7	101.6	134.3	377.6	1973.7	3948.3	4443.1
62.5°	107.3	88.8	97.8	131.5	341.9	1884.6	3765.8	4399.6
65°	84.0	85.0	93.9	139.3	332.3	1648.4	3442.6	4197.8
67.5°	76.9	81.1	90.0	149.1	333.3	1319.9	2959.7	3758.4
70°	72.4	76.9	85.5	154.2	335.7	983.9	2340.0	3061.2
72.5°	67.4	71.3	80.6	155.0	320.2	714.8	1803.5	2250.8
75°	61.5	65.0	73.4	135.2	265.3	495.8	1379.5	1540.0
77.5°	54.6	57.4	64.5	104.3	197.0	317.3	1035.6	1125.0
80°	46.7	48.1	54.1	76.4	134.8	198.5	819.3	902.8
82.5°	37.4	38.0	41.8	57.4	87.6	127.4	548.7	626.2
85°	26.4	26.4	28.9	41.6	59.6	80.9	297.9	330.3
87.5°	12.4	12.8	12.8	22.8	31.1	41.0	68.7	42.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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