

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: P200636

Luminaire Tested: **GAW-AF-02-LED-E1-SLL-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200636
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-02-LED-E1-SLL-8030-600
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5869 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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



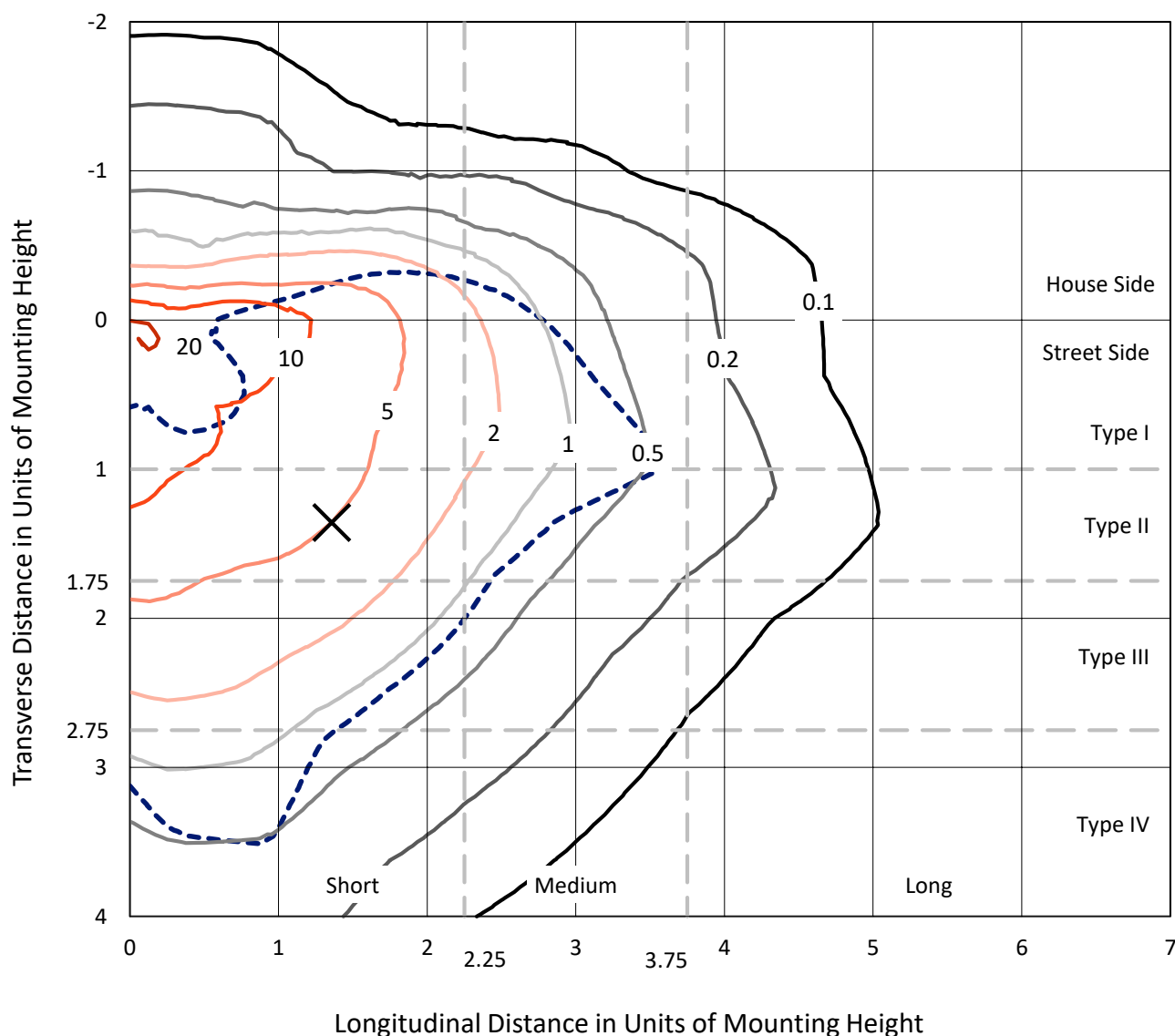
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

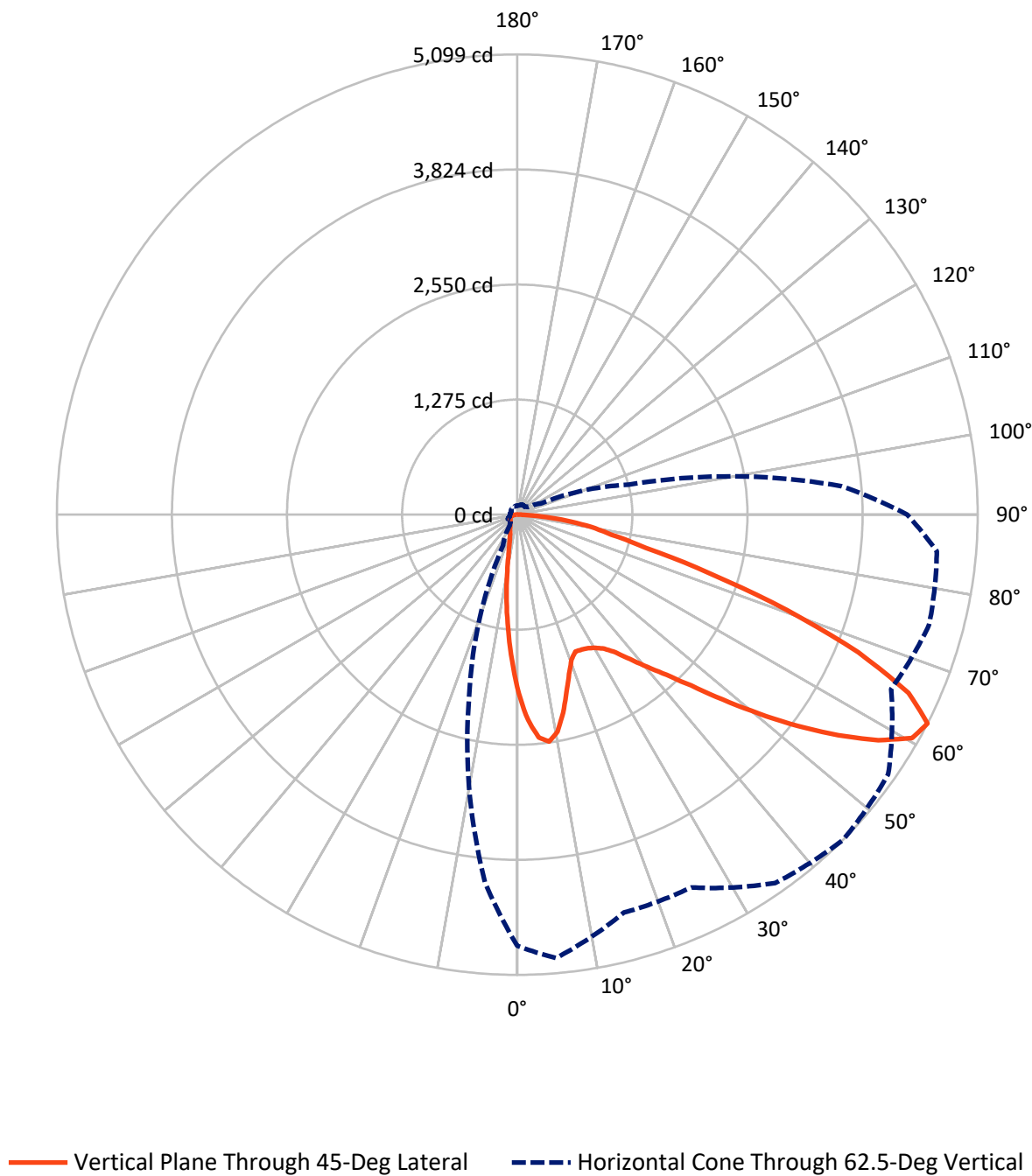


Based on 10 foot mounting height. Maximum calculated value = 23.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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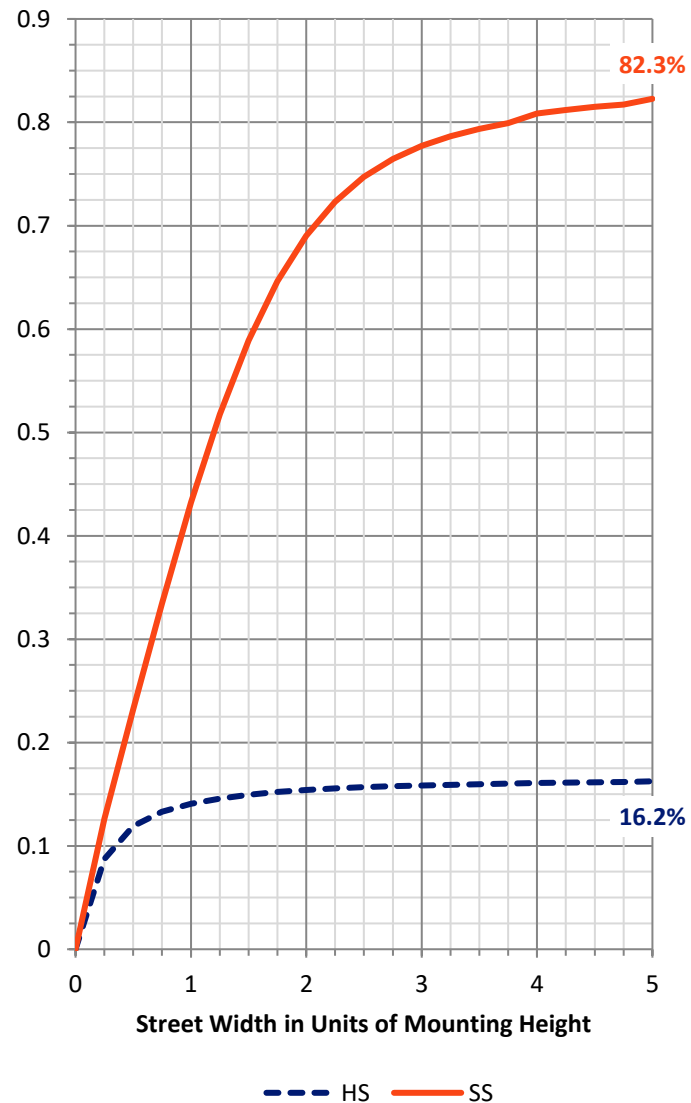
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	971.2	0.0	971.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4897.8	0.0	4897.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	5869.0	0.0	5869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	2.5
10°-20°	264.7	4.5
20°-30°	385.9	6.6
30°-40°	594.4	10.1
40°-50°	874.7	14.9
50°-60°	1283.1	21.9
60°-70°	1434.3	24.4
70°-80°	702.2	12.0
80°-90°	185.4	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°	5869.0	100.0
0°-180°	5869.0	100.0

Coefficient of Utilization



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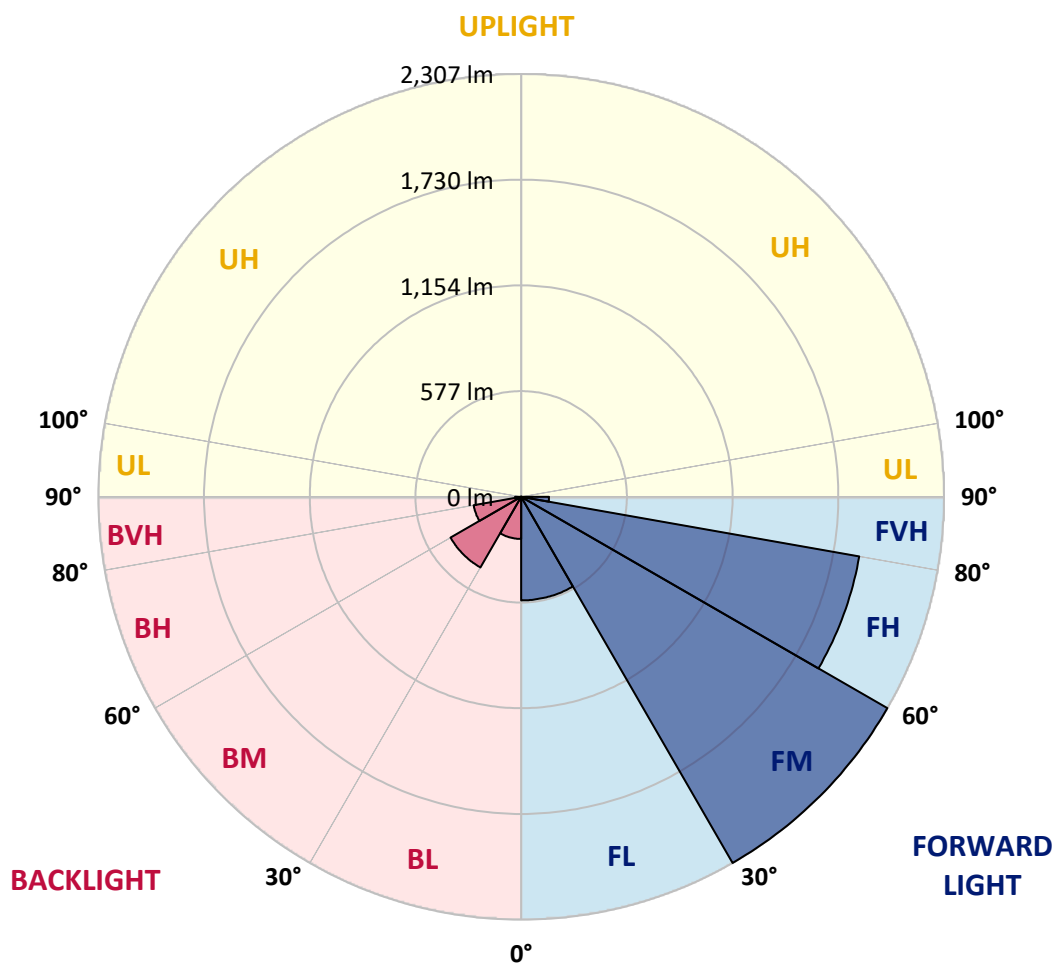
CATALOG NUMBER: GAW-AF-02-LED-E1-SLL-8030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.2	9.6			
FM	(30°-60°)	2307.2	39.3			
FH	(60°-80°)	1873.2	31.9			G2/5000
FVH	(80°-90°)	152.3	2.6			G2/225
BL	(0°-30°)	229.8	3.9	B1/500		
BM	(30°-60°)	445.0	7.6	B1/1000		
BH	(60°-80°)	263.3	4.5	B1/500		G1/500
BVH	(80°-90°)	33.1	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°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	2060.3	2093.2	2157.4	2205.5	2263.9	2277.4	2296.1	2277.7	2245.2	2201.9	2187.7
5°	1937.4	2007.7	2163.5	2300.7	2422.6	2479.4	2495.2	2448.4	2353.9	2229.7	2153.9
7.5°	1740.2	1840.3	2051.3	2253.2	2432.9	2539.1	2536.5	2427.8	2253.9	2051.6	1930.0
10°	1570.2	1684.4	1926.4	2152.2	2342.9	2445.8	2406.2	2267.1	2059.6	1826.7	1694.8
12.5°	1475.0	1587.0	1832.5	2059.3	2218.7	2254.2	2223.9	2087.7	1892.2	1656.7	1541.2
15°	1458.6	1581.5	1795.1	1979.6	2069.0	2038.0	2001.9	1940.9	1802.8	1601.8	1481.5
17.5°	1529.9	1665.4	1838.0	1924.1	1909.0	1855.1	1844.8	1851.6	1818.3	1662.8	1524.1
20°	1666.7	1829.3	1940.3	1898.0	1787.4	1713.1	1715.7	1819.3	1917.7	1817.4	1658.9
22.5°	1858.7	2044.2	2087.7	1911.9	1736.1	1648.0	1669.3	1837.0	2076.1	2043.2	1840.9
25°	2107.1	2276.1	2244.8	1962.2	1741.2	1656.0	1673.1	1898.3	2263.2	2269.0	2066.1
27.5°	2347.8	2504.6	2376.8	2029.0	1762.5	1675.1	1697.7	1994.8	2442.0	2514.2	2323.6
30°	2535.5	2644.6	2429.1	2090.0	1804.5	1712.2	1740.2	2086.4	2523.3	2679.7	2521.7
32.5°	2691.0	2769.4	2512.3	2165.5	1881.6	1770.6	1819.9	2197.7	2640.4	2837.2	2715.5
35°	2889.8	2912.0	2615.9	2249.7	2000.6	1872.2	1933.5	2306.8	2752.0	2996.2	2906.5
37.5°	3122.7	3094.0	2713.6	2364.9	2154.5	2031.3	2081.9	2426.5	2844.0	3176.6	3101.7
40°	3353.1	3284.0	2836.2	2543.6	2379.1	2218.7	2278.7	2554.2	2929.8	3357.3	3292.4
42.5°	3548.9	3446.6	2957.2	2740.1	2588.1	2425.5	2497.1	2683.0	3011.7	3511.5	3457.9
45°	3693.8	3566.6	3072.4	2928.8	2876.2	2700.4	2734.3	2830.4	3100.4	3640.2	3594.1
47.5°	3823.1	3687.3	3202.7	3119.2	3128.2	3057.9	3003.3	3002.0	3205.0	3745.4	3722.8
50°	3996.4	3854.7	3342.7	3315.3	3506.3	3459.5	3339.2	3202.4	3337.3	3864.7	3862.2
52.5°	4235.1	4119.9	3513.7	3526.6	3859.3	3889.9	3740.9	3443.1	3544.4	4083.8	4068.3
55°	4517.4	4450.3	3746.7	3769.6	4292.2	4314.2	4166.1	3744.1	3848.9	4401.0	4358.0
57.5°	4737.8	4723.6	4002.2	4061.2	4615.5	4714.2	4578.1	4092.5	4192.2	4668.1	4560.3
60°	4825.5	4894.2	4274.2	4355.5	4914.6	5023.9	4904.6	4398.7	4496.4	4778.7	4546.5
62.5°	4778.1	4931.7	4563.9	4557.1	4981.4	5099.1	5015.2	4569.0	4722.0	4664.5	4316.4
65°	4559.0	4797.1	4732.0	4505.2	4752.9	4762.6	4735.5	4492.9	4775.2	4303.5	3871.8
67.5°	4081.9	4424.5	4510.6	4059.9	4136.7	4073.8	4028.3	4076.1	4497.7	3762.5	3254.0
70°	3324.7	3840.2	3881.5	3247.2	3212.4	3170.1	3079.5	3341.8	3950.2	3083.7	2582.0
72.5°	2444.5	2986.6	3113.3	2381.6	2220.3	2229.0	2157.4	2518.4	3211.7	2290.7	1927.7
75°	1672.5	2162.6	2435.8	1661.9	1468.3	1471.8	1462.8	1784.4	2558.1	1593.5	1442.5
77.5°	1221.8	1545.1	1837.0	1117.3	1084.7	1064.7	1059.8	1248.6	1961.2	1156.9	1120.2
80°	980.5	1141.5	1234.0	774.3	832.7	831.1	804.3	858.5	1280.8	846.3	837.9
82.5°	680.1	877.2	999.8	606.9	562.0	552.7	559.1	639.4	905.3	578.5	550.1
85°	358.8	582.7	990.1	537.8	333.6	266.2	331.0	523.6	784.3	306.5	268.4
87.5°	45.8	168.4	655.6	214.5	131.6	71.0	157.1	294.9	503.6	62.6	54.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	2151.3	2108.4	2052.2	2000.3	1946.4	1892.9	1822.8	1779.0	1748.6	1742.8	1729.9
5°	2099.0	1956.4	1848.7	1755.4	1670.9	1551.5	1485.4	1430.5	1401.2	1398.3	1391.2
7.5°	1858.0	1661.2	1515.7	1383.7	1264.1	1167.6	1061.1	1011.4	991.1	995.9	1000.8
10°	1607.3	1387.3	1220.2	1085.3	979.8	898.5	813.0	755.3	715.3	707.2	705.6
12.5°	1424.1	1182.7	1020.5	925.3	843.7	767.2	676.5	608.5	556.5	538.8	526.8
15°	1346.6	1082.7	912.7	810.1	720.1	623.0	538.8	467.5	419.7	404.3	395.5
17.5°	1363.1	1055.0	838.5	707.2	592.0	490.7	384.6	323.6	294.9	287.5	287.5
20°	1449.6	1049.8	777.2	612.3	468.8	351.3	264.2	229.4	220.0	219.1	221.6
22.5°	1570.9	1067.9	731.4	530.1	364.2	256.5	205.8	192.9	188.7	189.7	192.6
25°	1751.5	1128.9	698.2	456.8	285.8	210.0	183.6	175.8	173.9	176.5	180.0
27.5°	1965.8	1189.8	677.5	401.7	241.3	192.0	174.5	166.5	167.8	171.0	174.2
30°	2153.9	1239.9	644.9	362.3	227.5	192.9	174.5	163.6	162.3	162.9	163.9
32.5°	2322.6	1273.7	606.9	324.9	196.2	171.3	162.9	161.3	154.2	151.6	152.0
35°	2468.1	1273.7	584.0	302.9	175.8	152.0	138.4	130.3	126.8	127.1	130.7
37.5°	2608.4	1248.2	572.7	290.7	164.9	144.5	132.6	125.5	120.7	119.7	120.3
40°	2732.3	1211.1	559.8	285.5	156.5	140.0	128.7	122.9	117.8	116.1	116.5
42.5°	2831.7	1181.1	545.6	278.7	151.3	136.8	126.1	121.0	115.2	113.6	113.2
45°	2939.1	1171.1	526.8	265.2	153.9	137.1	125.5	120.0	114.2	112.3	111.6
47.5°	3080.8	1202.4	507.5	249.1	159.4	138.7	126.5	120.0	113.9	112.3	111.6
50°	3259.2	1276.0	483.0	225.5	153.9	143.2	126.1	119.0	113.9	112.3	111.0
52.5°	3488.2	1375.4	450.7	198.4	150.7	154.2	125.5	117.1	112.3	110.0	107.8
55°	3766.7	1456.7	412.3	176.2	143.2	151.3	124.5	114.9	109.7	106.5	104.5
57.5°	3970.6	1486.0	363.0	161.6	132.9	146.5	123.2	112.0	106.5	103.9	101.3
60°	3930.2	1429.2	321.3	152.6	126.8	132.3	122.3	109.4	103.6	101.6	99.4
62.5°	3607.3	1280.8	294.6	148.4	122.9	120.7	123.2	106.8	101.0	99.0	98.4
65°	3123.0	1061.8	283.9	147.4	119.7	113.9	114.5	103.9	98.1	96.5	95.8
67.5°	2576.2	856.9	274.6	150.7	115.5	109.0	105.8	100.0	95.2	93.6	92.3
70°	2031.6	712.7	270.4	148.7	110.3	104.2	100.7	95.8	91.6	90.0	89.0
72.5°	1636.0	602.0	268.1	146.8	103.6	97.8	94.5	90.3	85.8	85.2	84.2
75°	1384.4	473.3	245.5	140.7	95.8	90.0	87.8	83.9	79.4	79.4	78.7
77.5°	1067.9	342.3	204.2	124.5	87.8	81.3	79.4	76.5	71.3	72.3	71.9
80°	788.8	223.3	159.7	103.2	77.8	71.6	70.7	67.8	62.3	63.6	63.6
82.5°	540.4	146.5	114.9	84.5	66.5	60.7	60.7	57.8	51.6	52.3	54.2
85°	271.3	100.7	85.8	65.5	51.6	48.7	48.7	46.5	40.3	40.7	43.2
87.5°	82.6	60.7	56.8	46.8	37.1	36.5	34.8	33.2	29.4	29.0	30.6
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	1710.2	1691.9	1669.6	1620.6	1604.1	1603.1	1618.0	1602.5	1632.2	1619.6	1633.5
5°	1379.2	1361.2	1336.3	1273.7	1235.7	1209.9	1197.6	1161.5	1187.6	1168.6	1184.4
7.5°	1014.3	1018.5	1002.1	965.3	882.4	840.8	816.2	794.3	813.3	811.4	841.7
10°	713.0	724.3	712.7	675.6	608.5	585.6	590.1	598.8	623.6	636.5	683.3
12.5°	513.3	512.7	505.2	472.0	427.8	430.4	448.8	463.9	486.8	500.4	548.1
15°	383.3	377.5	374.2	347.1	322.0	327.5	336.5	338.1	352.6	360.7	399.4
17.5°	289.7	292.6	296.2	276.8	257.8	254.2	247.1	238.4	242.6	244.2	263.6
20°	230.0	241.6	250.4	236.8	217.5	207.1	198.1	192.3	192.3	192.0	197.4
22.5°	201.0	209.4	218.7	209.4	192.0	182.9	177.8	173.3	172.6	172.6	177.8
25°	185.2	191.3	200.4	193.9	181.0	174.2	169.4	163.6	161.3	160.7	164.2
27.5°	177.4	180.0	184.5	178.7	167.8	164.5	163.2	158.1	155.2	153.6	157.1
30°	164.2	163.6	163.9	158.1	149.4	149.1	151.3	152.3	151.3	151.0	156.5
32.5°	152.0	150.7	150.3	145.2	137.1	135.2	137.1	139.1	141.3	144.5	151.0
35°	136.5	139.7	141.6	137.1	127.4	121.6	119.4	115.8	113.9	113.9	121.3
37.5°	124.2	131.6	134.5	130.3	119.7	111.6	107.8	107.1	107.4	108.7	115.8
40°	120.0	125.5	128.1	123.9	113.2	105.8	103.6	102.9	103.6	105.5	112.6
42.5°	117.4	121.3	121.0	115.8	107.1	102.0	100.7	100.0	100.7	102.6	110.3
45°	115.2	117.8	115.2	109.0	101.0	98.4	98.7	98.4	99.0	101.0	108.4
47.5°	113.2	114.2	111.0	104.9	96.5	95.8	97.1	98.1	98.7	100.3	108.1
50°	110.3	110.3	107.4	101.0	92.6	92.9	94.5	96.8	97.1	99.0	105.2
52.5°	106.8	106.5	104.5	98.4	89.4	90.3	90.3	92.9	93.6	95.8	102.3
55°	103.9	103.2	102.3	96.5	86.5	88.1	87.1	88.1	89.7	91.9	99.0
57.5°	101.3	100.0	100.0	94.9	84.2	84.9	82.6	83.9	85.8	87.8	95.2
60°	98.7	97.4	98.1	92.6	80.7	80.0	79.0	81.6	82.3	84.5	91.9
62.5°	95.8	94.9	95.2	90.0	78.1	76.5	76.5	78.7	79.0	82.3	89.4
65°	93.6	92.3	91.9	87.4	75.2	73.2	74.2	75.2	75.8	79.0	85.8
67.5°	91.3	88.7	88.7	85.2	71.9	70.0	71.9	71.6	72.6	75.5	81.0
70°	88.4	84.9	85.2	83.6	68.7	66.5	68.1	67.8	68.4	70.3	75.8
72.5°	83.9	81.0	81.6	81.0	65.5	62.3	62.9	62.9	62.9	64.5	70.3
75°	78.1	75.8	77.8	79.4	61.6	57.1	57.8	57.8	56.8	57.8	64.8
77.5°	71.0	69.7	76.1	73.9	57.1	51.6	51.6	51.0	49.0	50.3	58.1
80°	63.2	62.3	70.3	61.9	51.9	44.8	44.2	42.6	40.7	41.6	49.4
82.5°	55.2	54.2	59.0	47.4	44.8	37.1	35.5	32.6	30.6	31.6	38.7
85°	45.2	45.2	45.5	35.8	34.2	28.4	26.5	22.6	20.3	21.0	27.7
87.5°	32.3	33.2	30.6	24.5	20.3	15.8	14.5	12.3	10.3	11.9	14.5
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	1704.4	1739.9	1780.3	1831.9	1876.1	1948.7	2018.4	2060.3
5°	1274.4	1333.4	1407.0	1501.5	1589.6	1721.9	1853.2	1937.4
7.5°	912.1	975.3	1054.7	1172.7	1297.3	1466.0	1639.6	1740.2
10°	754.6	819.5	886.3	965.9	1067.9	1251.5	1456.7	1570.2
12.5°	624.3	693.6	765.6	849.5	944.0	1107.9	1344.4	1475.0
15°	477.8	555.2	640.1	746.2	864.6	1054.0	1316.6	1458.6
17.5°	327.5	413.9	518.1	649.1	794.0	1036.6	1366.3	1529.9
20°	225.5	288.4	399.7	553.3	727.5	1034.3	1461.8	1666.7
22.5°	188.7	216.8	298.1	465.2	677.5	1062.1	1609.9	1858.7
25°	174.5	191.3	238.1	388.8	641.1	1126.0	1813.8	2107.1
27.5°	166.2	181.3	216.2	338.8	612.3	1200.2	2012.2	2347.8
30°	169.4	184.9	210.0	313.3	573.3	1262.1	2188.4	2535.5
32.5°	152.6	159.4	180.0	290.7	545.2	1314.1	2342.6	2691.0
35°	130.0	142.0	160.7	280.0	545.9	1348.9	2510.7	2889.8
37.5°	123.9	135.8	149.4	276.2	553.3	1386.0	2703.6	3122.7
40°	120.0	131.0	142.6	273.9	560.4	1419.9	2892.7	3353.1
42.5°	117.4	127.4	142.0	266.2	564.0	1450.2	3048.2	3548.9
45°	117.1	127.4	144.5	258.4	569.4	1482.8	3178.5	3693.8
47.5°	117.4	131.6	139.7	249.1	569.4	1537.3	3331.4	3823.1
50°	116.1	138.7	134.5	235.8	556.2	1640.6	3541.2	3996.4
52.5°	115.5	137.8	124.5	215.5	533.3	1804.5	3809.9	4235.1
55°	113.9	132.9	117.4	185.2	506.5	1983.2	4097.7	4517.4
57.5°	112.3	117.8	113.6	158.7	465.2	2109.0	4295.8	4737.8
60°	125.8	102.9	110.3	145.8	410.1	2143.5	4288.0	4825.5
62.5°	116.5	96.5	106.1	142.9	371.3	2046.7	4089.9	4778.1
65°	91.3	92.3	102.0	151.3	361.0	1790.3	3738.9	4559.0
67.5°	83.6	88.1	97.8	162.0	362.0	1433.4	3214.3	4081.9
70°	78.7	83.6	92.9	167.4	364.6	1068.5	2541.3	3324.7
72.5°	73.2	77.4	87.4	168.4	347.8	776.2	1958.7	2444.5
75°	66.8	70.7	79.7	146.8	288.1	538.5	1498.3	1672.5
77.5°	59.4	62.3	70.0	113.2	213.9	344.6	1124.7	1221.8
80°	50.7	52.3	58.7	82.9	146.5	215.5	889.8	980.5
82.5°	40.7	41.3	45.5	62.3	95.2	138.4	595.9	680.1
85°	28.7	28.7	31.3	45.2	64.8	87.8	323.6	358.8
87.5°	13.6	13.9	13.9	24.8	33.9	44.5	74.5	45.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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