

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: P324575

Luminaire Tested: **GAN-SA1D-760-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324575
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 1200mA 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: 6023 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

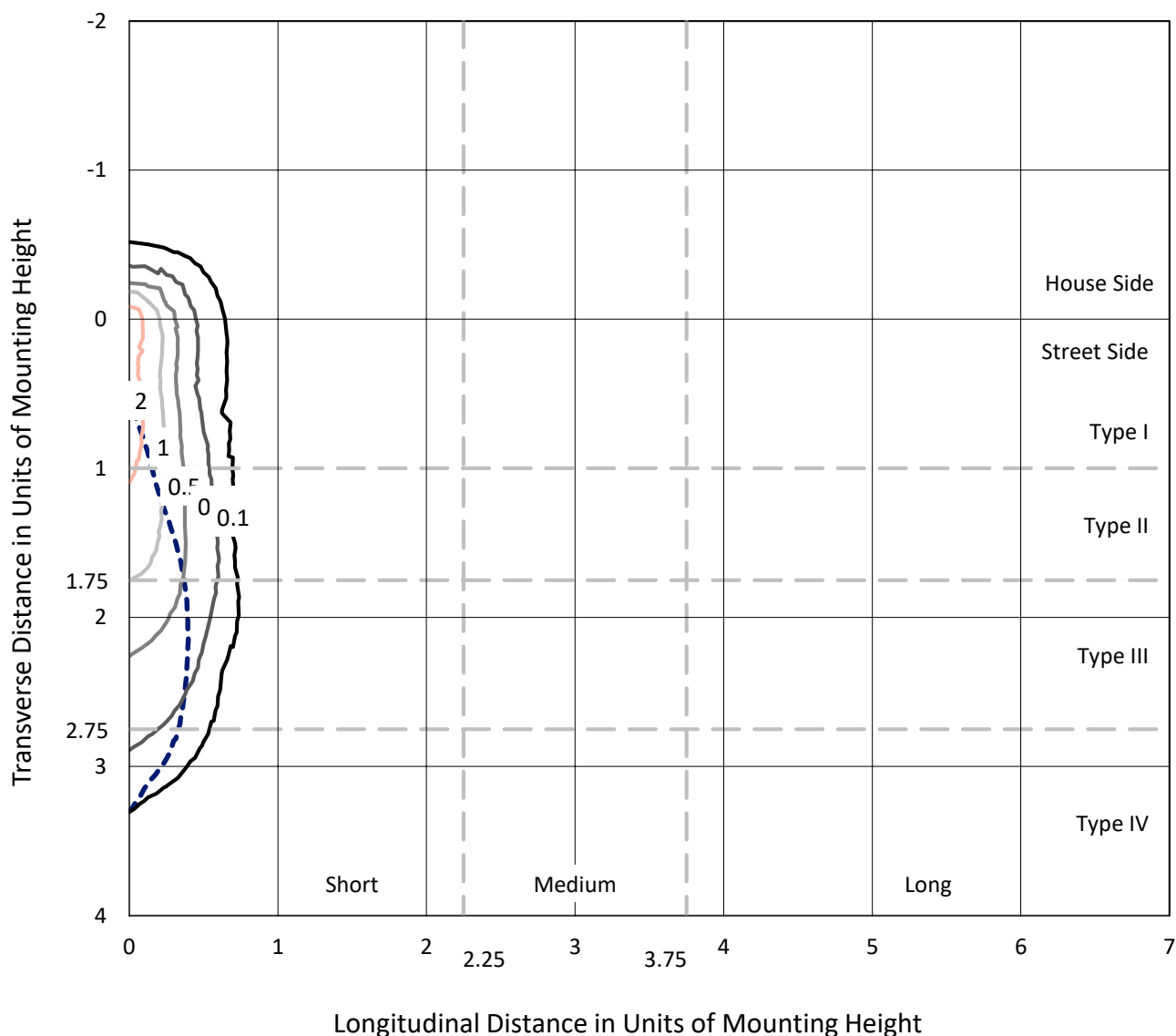
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

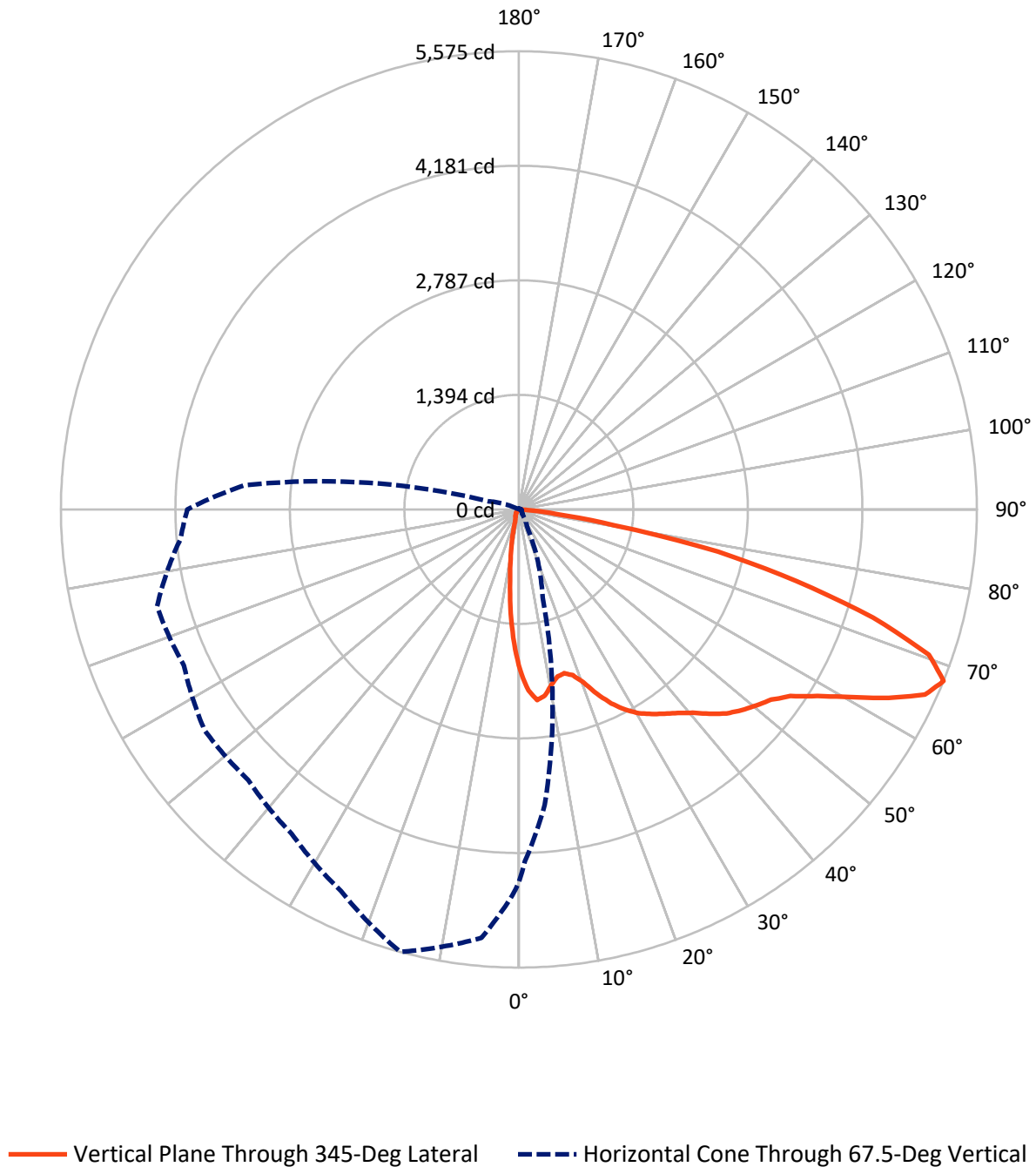
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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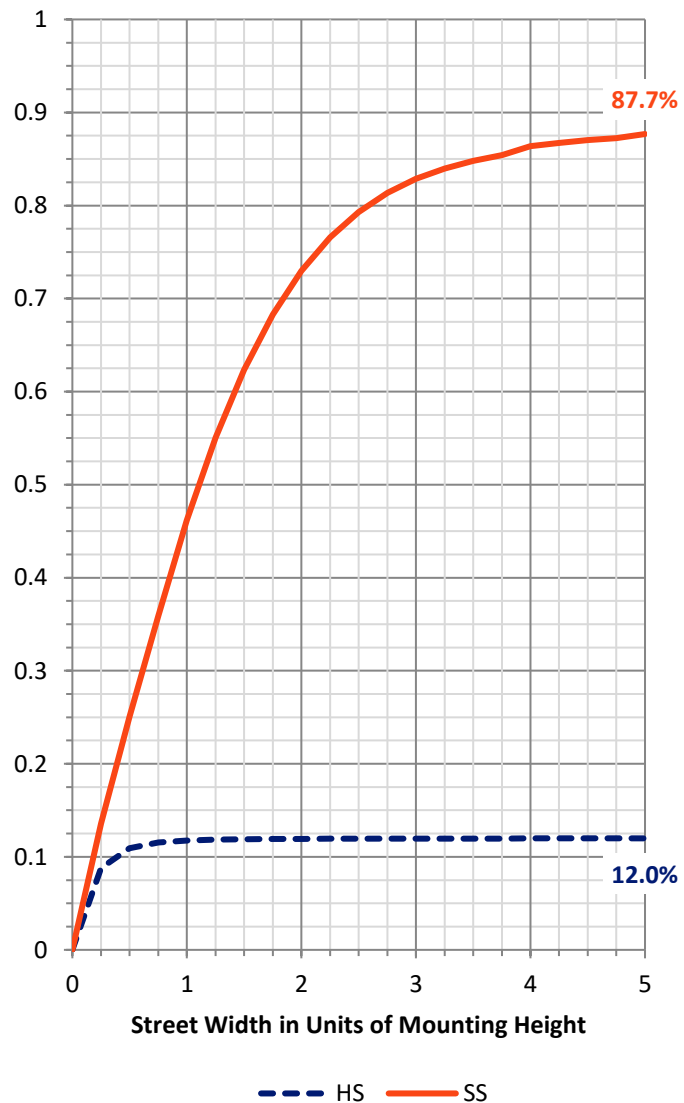
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	729.0	0.0	729.0
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	5294.0	0.0	5294.0
	% Fixture	87.9	0.0	87.9
Total	Lumens	6023.0	0.0	6023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	2.5
10°-20°	299.7	5.0
20°-30°	425.6	7.1
30°-40°	628.7	10.4
40°-50°	906.7	15.1
50°-60°	1272.8	21.1
60°-70°	1483.7	24.6
70°-80°	758.5	12.6
80°-90°	96.9	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°	6023.0	100.0
0°-180°	6023.0	100.0

Coefficient of Utilization



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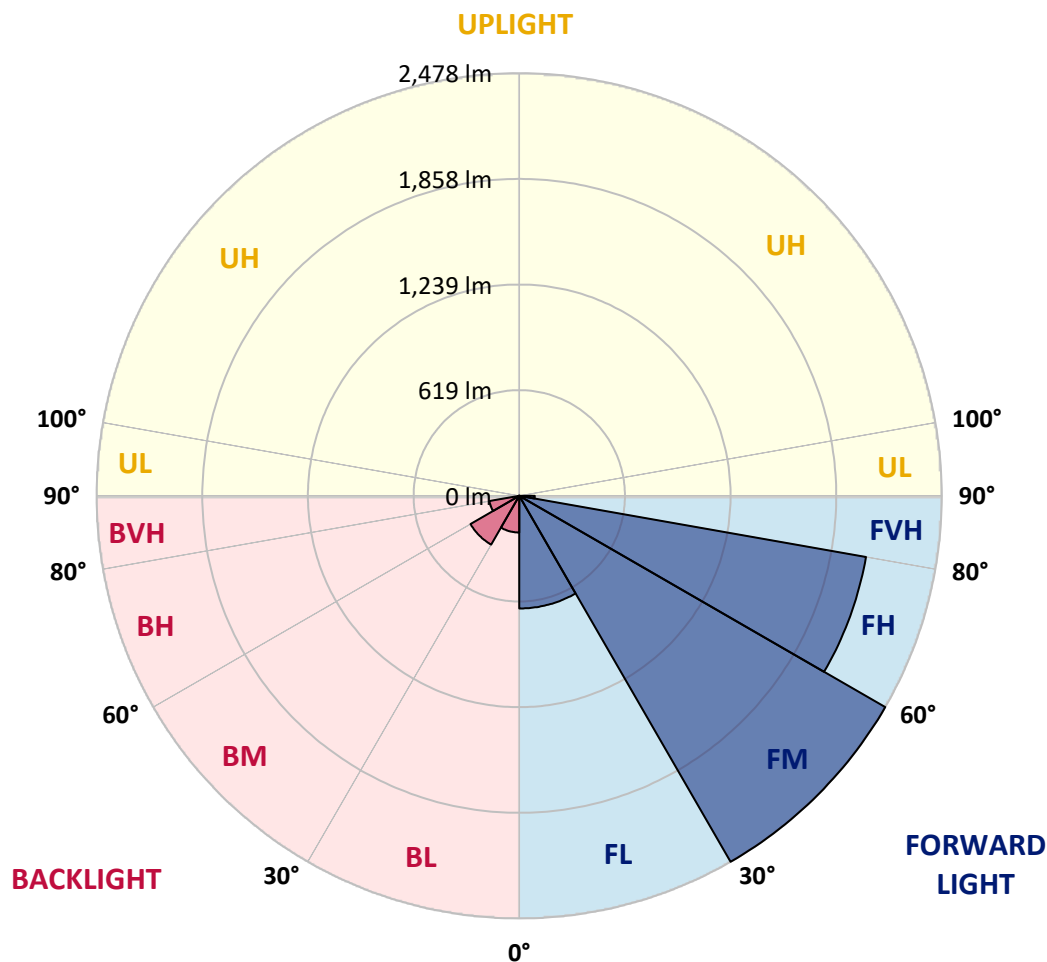
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	660.6	11.0			
FM	(30°-60°)	2478.0	41.1			
FH	(60°-80°)	2064.5	34.3			G2/5000
FVH	(80°-90°)	91.0	1.5			G1/100
BL	(0°-30°)	215.3	3.6	B1/500		
BM	(30°-60°)	330.1	5.5	B1/1000		
BH	(60°-80°)	177.7	2.9	B1/500		G1/500
BVH	(80°-90°)	5.9	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0
2.5°	2148.3	2131.8	2113.5	2053.9	1998.5	1935.2	1883.5	1847.6	1802.5	1744.0	1729.1
5°	2132.9	2115.2	2057.9	1925.2	1809.0	1696.0	1587.0	1523.1	1443.8	1363.3	1343.4
7.5°	1978.0	1959.4	1876.7	1694.9	1538.5	1375.3	1233.8	1146.2	1056.6	983.0	943.9
10°	1816.7	1796.5	1703.5	1482.9	1290.3	1142.8	1038.9	955.3	870.6	791.8	729.0
12.5°	1705.7	1679.2	1578.2	1328.2	1160.5	1060.3	963.3	863.1	748.4	664.0	594.9
15°	1659.2	1629.0	1522.3	1268.6	1114.5	997.0	870.6	747.6	613.2	516.5	453.1
17.5°	1695.2	1655.8	1541.4	1264.6	1056.9	896.8	737.0	592.6	446.8	349.0	303.9
20°	1817.3	1765.7	1620.4	1263.5	987.0	777.8	575.2	412.0	294.5	236.8	213.1
22.5°	2009.6	1941.4	1734.0	1272.6	914.8	652.9	415.5	279.9	221.1	191.2	177.2
25°	2241.9	2162.9	1897.5	1304.8	851.4	531.3	301.9	221.1	186.6	164.6	152.9
27.5°	2462.7	2398.5	2104.1	1351.4	802.4	433.1	245.1	187.5	159.5	145.0	135.5
30°	2683.3	2602.6	2316.1	1406.7	743.3	366.7	215.4	170.9	143.0	127.5	121.6
32.5°	2843.7	2776.6	2482.2	1446.7	680.2	323.3	192.6	156.4	133.5	117.8	109.0
35°	3032.3	2956.4	2624.5	1455.5	639.7	295.9	173.2	140.7	115.8	101.9	92.4
37.5°	3236.0	3141.6	2788.9	1436.1	608.1	282.5	158.6	133.5	108.1	93.9	83.9
40°	3461.4	3354.7	2946.7	1408.1	577.0	277.9	147.5	128.1	102.2	87.6	77.3
42.5°	3698.8	3573.0	3083.4	1378.8	557.3	262.2	146.4	122.7	97.6	81.9	71.6
45°	3898.3	3770.7	3223.7	1369.0	543.3	245.1	151.2	119.0	94.4	77.3	67.3
47.5°	4057.2	3936.5	3367.6	1390.7	535.3	229.4	137.8	123.8	92.7	73.3	63.6
50°	4247.0	4110.3	3570.1	1455.5	523.6	213.7	124.7	141.8	92.7	70.8	60.5
52.5°	4484.9	4349.7	3796.1	1555.9	500.2	192.0	112.1	142.1	93.6	67.3	56.5
55°	4784.3	4686.1	4118.8	1666.1	462.8	160.1	97.0	122.1	90.2	61.1	52.8
57.5°	5071.3	4991.1	4413.0	1741.4	412.9	125.0	84.5	98.4	82.5	53.6	47.1
59°	5149.8	5062.2	4520.9	1744.8	375.5	109.0	78.2	81.3	80.8	50.2	43.7
60°	5149.8	5056.8	4552.0	1726.6	348.4	100.2	74.2	72.5	84.2	47.9	41.7
62.5°	5056.5	4925.8	4451.0	1603.0	284.2	85.3	64.8	59.9	75.6	43.1	36.8
65°	4862.4	4672.1	4106.9	1379.6	253.4	78.2	55.9	49.1	52.5	37.9	32.2
67.5°	4538.9	4280.9	3610.7	1114.5	241.1	76.2	48.2	41.7	39.7	32.5	28.2
70°	3969.0	3682.9	3008.3	876.3	230.6	75.3	40.5	35.1	32.0	27.4	24.0
72.5°	2888.8	2590.3	2135.8	685.1	224.3	77.0	32.5	29.4	26.3	21.4	18.5
75°	1652.4	1456.9	1200.4	452.5	191.2	73.6	25.1	24.5	18.8	15.4	12.8
77.5°	853.7	827.8	719.3	173.8	91.6	32.2	16.5	14.3	11.1	9.4	7.7
80°	368.4	364.4	315.3	50.2	24.3	18.0	9.4	6.0	5.1	4.0	3.1
82.5°	127.3	127.3	112.1	16.8	10.8	8.8	1.1	0.0	0.0	0.0	0.0
85°	25.7	28.8	20.3	0.0	3.7	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°	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0
2.5°	1711.2	1676.6	1674.4	1652.7	1625.6	1613.3	1606.2	1618.7	1634.1	1635.8	1659.0
5°	1328.2	1292.0	1307.1	1268.6	1276.3	1268.6	1256.1	1258.3	1265.2	1243.8	1270.3
7.5°	932.8	905.4	922.8	912.5	926.2	931.6	923.9	912.5	878.8	874.8	898.0
10°	703.1	672.0	653.4	634.0	638.3	647.1	644.3	636.0	614.6	615.8	638.0
12.5°	565.0	530.2	493.3	445.7	434.0	440.6	434.0	429.1	408.6	410.3	430.0
15°	428.6	400.0	361.5	323.3	302.5	304.5	286.2	273.4	260.5	245.1	257.1
17.5°	289.3	271.9	260.5	249.1	224.3	218.6	195.5	170.6	160.9	153.8	158.9
20°	204.9	195.5	190.9	190.3	176.1	168.9	146.4	131.0	126.1	124.7	127.8
22.5°	171.2	164.4	157.8	154.1	146.9	138.7	121.6	113.8	110.4	108.7	111.0
25°	148.9	143.8	137.0	130.7	127.8	119.0	106.7	101.0	98.7	97.0	98.2
27.5°	132.4	127.8	119.8	115.8	113.6	105.9	95.3	90.7	88.7	88.2	87.9
30°	119.3	115.0	107.6	103.0	99.0	92.2	85.9	81.3	79.3	78.8	78.2
32.5°	106.1	102.7	97.9	93.3	89.0	82.7	77.3	73.6	70.5	69.9	69.6
35°	89.6	86.2	83.6	83.3	79.3	73.3	69.3	64.5	61.9	61.1	61.3
37.5°	79.6	75.0	69.3	71.3	70.2	65.9	60.5	55.6	53.1	52.5	52.5
40°	73.3	68.5	61.9	58.5	61.9	61.1	52.5	47.7	45.1	44.8	44.2
42.5°	67.3	62.5	55.1	49.4	51.1	53.6	45.4	40.8	38.2	37.7	36.8
45°	63.1	57.9	49.6	43.1	39.7	45.1	38.8	33.1	31.7	30.5	30.0
47.5°	59.1	54.2	44.8	37.4	31.7	32.5	31.1	27.1	25.4	24.3	24.0
50°	55.6	50.5	40.5	32.0	26.3	24.0	25.1	21.4	20.0	18.8	18.3
52.5°	51.6	46.8	36.0	27.7	22.0	18.8	19.1	16.8	15.4	14.6	14.3
55°	48.5	43.7	32.2	24.3	19.4	15.4	13.7	13.1	12.3	11.7	11.4
57.5°	44.2	39.7	28.5	20.5	16.5	12.6	10.6	10.6	10.3	9.7	9.4
59°	41.7	37.7	26.3	18.5	15.1	10.8	9.4	9.7	9.4	8.8	8.6
60°	39.7	36.0	24.5	17.1	14.3	10.0	8.6	9.1	8.8	8.3	8.0
62.5°	35.1	32.5	21.1	14.3	12.6	8.0	7.1	7.7	7.7	7.4	7.1
65°	30.8	28.0	18.0	12.0	11.7	6.8	5.7	6.8	7.1	6.6	6.0
67.5°	26.8	24.0	15.7	9.7	10.8	5.4	4.3	5.7	7.7	6.0	5.4
70°	22.8	20.0	12.3	7.7	11.4	3.7	3.4	5.1	9.1	6.6	5.1
72.5°	17.7	15.4	8.6	5.7	12.3	2.6	2.6	4.3	10.3	7.1	4.9
75°	12.3	10.0	5.1	3.4	10.0	1.7	1.7	4.0	9.7	6.6	4.6
77.5°	7.1	5.4	1.7	0.3	5.1	0.0	0.3	2.9	6.8	4.0	2.0
80°	2.6	1.1	0.0	0.0	3.1	0.0	0.0	0.0	0.6	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°	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0
2.5°	1664.9	1703.5	1738.0	1790.2	1852.1	1923.5	1984.8	2050.7	2112.6	2138.3	2156.0
5°	1275.7	1323.4	1379.0	1455.8	1557.9	1683.8	1801.6	1934.9	2078.1	2149.7	2217.1
7.5°	902.0	950.5	1019.5	1101.1	1224.7	1374.5	1528.6	1712.6	1906.6	2019.9	2131.5
10°	648.6	708.2	772.7	884.3	1009.8	1151.9	1310.6	1516.0	1732.3	1857.8	1992.2
12.5°	441.4	509.3	606.9	731.9	879.4	1018.7	1156.5	1352.5	1603.6	1728.0	1872.1
15°	264.8	302.5	405.8	550.4	731.3	904.8	1055.7	1252.3	1520.0	1672.4	1822.2
17.5°	163.2	180.6	236.8	355.5	545.6	765.0	971.9	1218.4	1532.0	1717.4	1877.8
20°	130.1	137.0	154.9	210.0	361.5	610.9	877.4	1211.5	1629.8	1858.1	2030.2
22.5°	113.0	119.6	131.5	152.7	227.4	457.4	787.8	1217.8	1770.2	2069.0	2269.9
25°	99.6	105.3	116.7	134.1	166.6	322.1	691.9	1245.8	1953.1	2330.6	2544.1
27.5°	89.0	93.9	104.4	120.4	143.0	224.8	583.2	1279.7	2170.0	2598.3	2808.9
30°	79.3	83.6	93.0	107.9	124.1	172.9	464.0	1302.9	2387.1	2808.9	2998.0
32.5°	71.0	74.2	82.7	95.3	107.9	137.8	352.7	1299.1	2548.3	2984.1	3134.1
35°	62.5	65.6	73.0	83.9	93.9	113.8	277.3	1229.8	2688.7	3165.8	3289.9
37.5°	53.1	57.1	64.2	73.9	80.8	100.2	224.3	1146.2	2831.1	3373.5	3463.7
40°	45.1	49.1	55.4	65.9	70.2	95.0	172.3	1044.3	2991.2	3605.8	3654.3
42.5°	37.4	41.1	47.7	56.8	66.2	81.9	127.5	927.9	3145.0	3804.4	3828.1
45°	30.2	34.0	40.8	49.9	70.8	67.9	98.7	803.2	3269.1	3969.6	3977.3
47.5°	24.0	27.4	34.5	47.1	65.9	54.2	70.5	705.4	3373.3	4098.6	4078.3
50°	18.5	21.4	28.8	53.9	57.6	44.8	53.4	672.8	3466.6	4178.5	4126.0
52.5°	14.6	17.1	23.7	50.5	44.8	37.1	44.8	703.4	3594.4	4244.7	4152.8
55°	11.7	14.3	18.5	28.8	30.5	31.4	38.2	731.9	3815.0	4399.9	4311.2
57.5°	9.7	12.3	15.1	20.3	23.1	26.5	34.0	735.0	4074.9	4657.9	4574.0
59°	8.8	11.1	13.7	18.0	20.3	24.3	32.0	717.9	4166.5	4751.7	4709.8
60°	8.3	10.6	12.8	16.5	18.8	22.8	30.8	701.6	4170.5	4748.3	4767.7
62.5°	7.1	9.4	11.4	14.0	16.0	19.4	27.7	641.4	4001.6	4592.8	4732.9
65°	6.3	8.3	10.3	12.0	13.7	17.4	25.1	531.6	3713.1	4342.0	4494.6
67.5°	5.7	7.1	9.4	10.6	12.3	15.4	22.3	378.9	3352.7	4035.2	4134.3
70°	5.1	6.8	8.6	9.7	11.1	13.4	19.1	217.7	2831.1	3586.1	3656.6
72.5°	4.9	6.6	7.7	9.1	10.0	12.0	17.4	102.4	2073.0	2872.8	3056.8
75°	4.3	6.0	7.1	8.6	9.4	10.8	14.8	49.1	1378.8	2079.0	2288.1
77.5°	2.6	4.9	6.6	7.7	8.3	9.4	12.3	28.2	880.0	1439.0	1694.9
80°	0.0	1.7	4.9	6.6	7.1	8.0	9.4	22.3	470.8	822.1	986.7
82.5°	0.0	0.0	3.4	5.1	4.9	5.4	7.1	14.0	212.3	537.3	605.5
85°	0.0	0.0	1.1	4.0	3.4	2.6	4.9	4.9	46.5	271.9	339.3
87.5°	0.0	0.0	0.0	0.3	1.7	1.1	2.0	0.6	0.3	20.3	82.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0	1962.0
2.5°	2217.9	2239.0	2274.7	2291.5	2283.3	2248.2	2206.2	2163.4	2138.3	2148.3
5°	2354.3	2463.0	2525.8	2546.6	2511.8	2433.1	2330.1	2194.2	2146.0	2132.9
7.5°	2354.3	2558.9	2688.5	2711.3	2633.7	2479.3	2286.1	2074.1	2003.6	1978.0
10°	2271.6	2550.1	2730.7	2766.9	2658.5	2427.7	2168.9	1926.9	1843.3	1816.7
12.5°	2178.3	2478.2	2668.5	2718.4	2629.4	2376.3	2087.5	1827.3	1728.9	1705.7
15°	2120.9	2389.7	2547.2	2583.4	2545.8	2346.3	2068.1	1797.3	1681.5	1659.2
17.5°	2141.5	2321.2	2378.0	2399.1	2424.5	2335.8	2120.9	1863.0	1716.3	1695.2
20°	2218.8	2249.0	2219.6	2246.2	2314.7	2346.0	2246.7	2021.6	1845.6	1817.3
22.5°	2350.0	2211.7	2129.2	2139.7	2223.1	2380.0	2439.1	2248.2	2045.0	2009.6
25°	2503.0	2241.9	2079.0	2069.6	2155.2	2424.8	2614.8	2494.7	2281.0	2241.9
27.5°	2695.3	2309.8	2068.7	2059.3	2131.5	2466.7	2760.9	2738.4	2529.5	2462.7
30°	2843.7	2376.6	2099.2	2077.5	2155.2	2495.8	2878.2	2945.3	2727.5	2683.3
32.5°	2950.1	2455.3	2148.9	2117.5	2221.9	2546.1	2968.7	3134.7	2910.7	2843.7
35°	3031.1	2540.9	2229.1	2177.4	2313.8	2622.3	3053.4	3336.5	3105.6	3032.3
37.5°	3107.0	2661.1	2354.3	2292.7	2457.9	2744.9	3143.0	3565.3	3323.6	3236.0
40°	3212.9	2797.2	2547.5	2492.7	2700.1	2912.2	3254.8	3803.8	3571.6	3461.4
42.5°	3318.8	2943.3	2745.2	2760.1	3002.3	3115.3	3399.2	4056.1	3816.4	3698.8
45°	3415.5	3093.9	3026.9	3095.3	3282.8	3338.2	3542.8	4201.9	4011.8	3898.3
47.5°	3501.7	3282.2	3306.8	3489.1	3601.8	3539.9	3650.0	4327.7	4157.4	4057.2
50°	3601.8	3525.9	3675.7	3933.7	3969.0	3722.5	3747.6	4476.7	4327.4	4247.0
52.5°	3711.4	3782.7	4084.3	4311.7	4300.3	3920.8	3845.8	4643.6	4560.6	4484.9
55°	3835.8	3990.2	4444.1	4665.6	4655.9	4142.2	4008.4	4849.9	4852.7	4784.3
57.5°	4020.4	4168.8	4688.4	4951.7	4968.0	4397.9	4284.1	5081.0	5117.0	5071.3
59°	4152.8	4284.6	4785.1	5071.3	5137.5	4595.6	4485.5	5215.1	5191.4	5149.8
60°	4251.0	4358.2	4833.0	5133.8	5235.9	4729.8	4634.2	5293.9	5200.3	5149.8
62.5°	4493.8	4518.6	4919.5	5204.6	5349.2	5027.6	5052.5	5428.0	5138.9	5056.5
65°	4607.1	4619.9	4918.4	5077.9	5239.7	5259.6	5432.0	5432.0	4989.1	4862.4
67.5°	4559.7	4497.8	4674.4	4657.9	4819.4	5121.8	5574.6	5232.8	4702.6	4538.9
70°	4174.5	3936.2	3857.8	3864.9	3988.4	4455.0	5292.2	4646.7	4160.5	3969.0
72.5°	3473.4	2901.9	2708.1	2929.3	2961.5	3423.8	4510.0	3499.4	3068.2	2888.8
75°	2793.7	2045.6	1730.6	1964.0	2018.8	2505.5	3488.8	2179.4	1792.2	1652.4
77.5°	2007.1	1468.3	1241.8	1225.5	1296.3	1589.0	2475.6	1096.8	914.8	853.7
80°	1140.2	966.4	1040.6	981.8	1017.5	993.5	1176.2	481.1	394.1	368.4
82.5°	688.2	571.2	618.6	515.0	651.7	567.5	453.1	154.1	133.8	127.3
85°	447.7	312.2	162.6	109.0	224.6	362.7	101.3	41.9	32.2	25.7
87.5°	154.4	79.6	8.0	3.4	24.0	67.6	3.7	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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