

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: P154776

Luminaire Tested: **AVS-F01-LED-E-U-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154776
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F01-LED-E-U-T2-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2595.3 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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



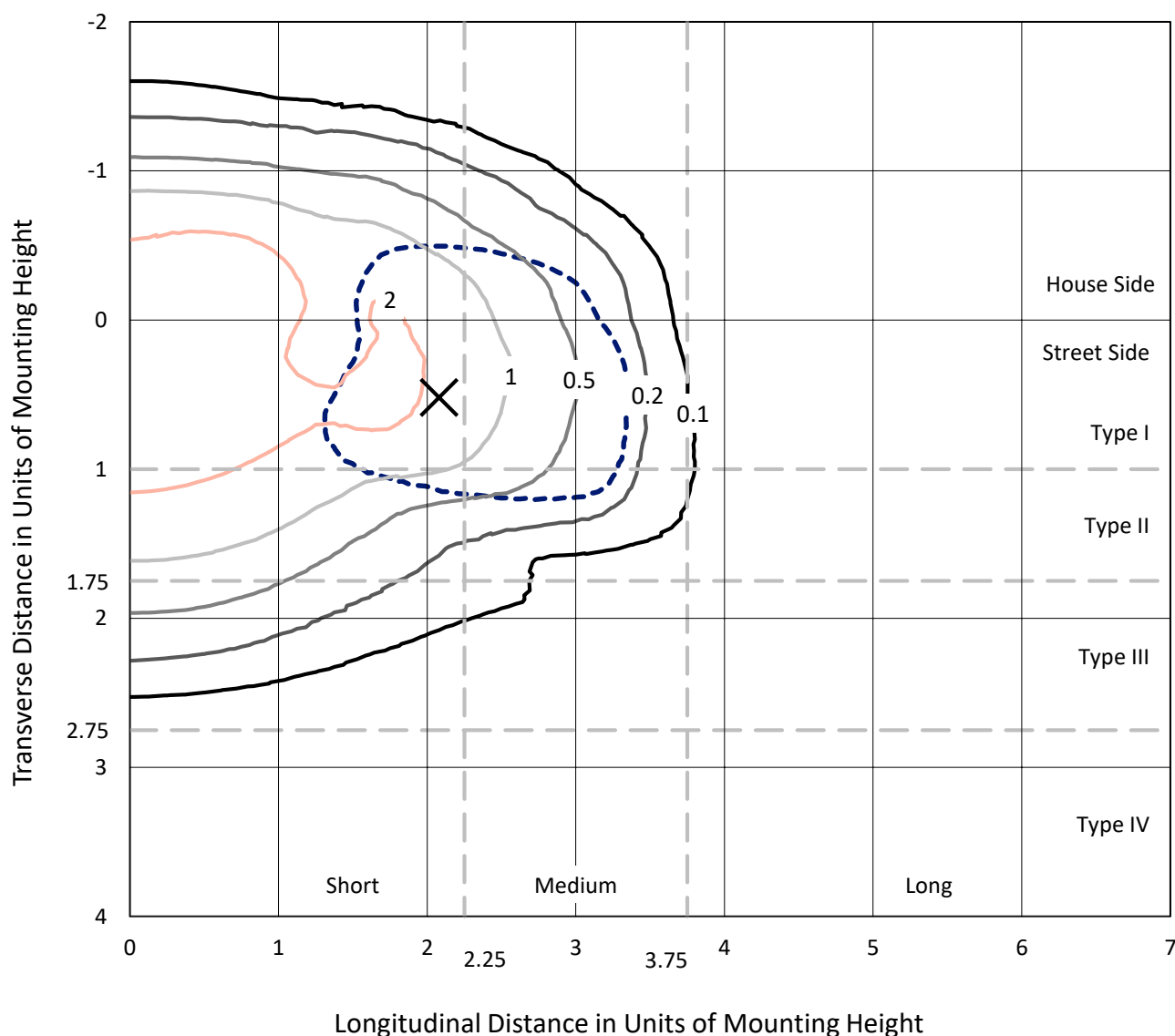
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

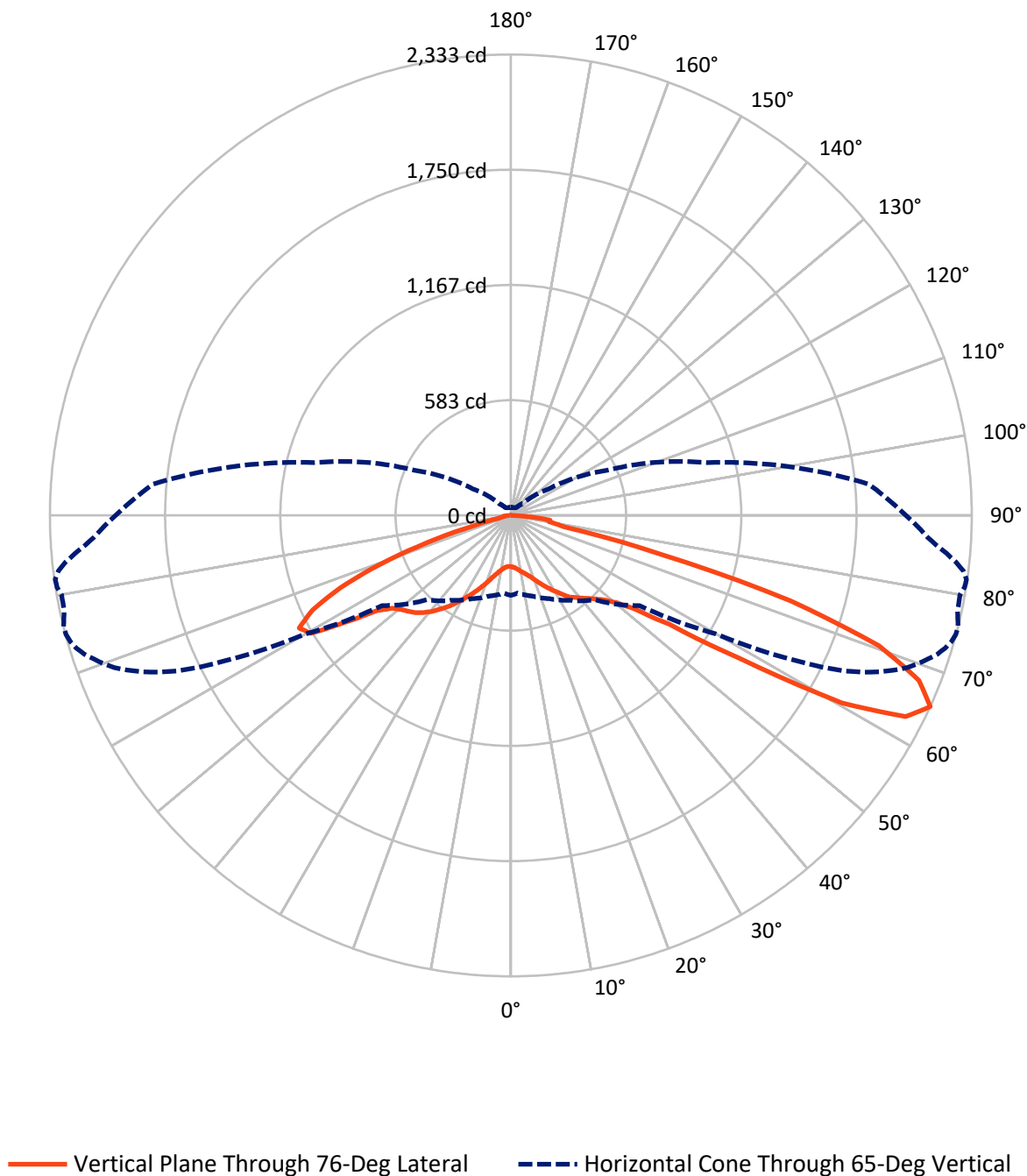


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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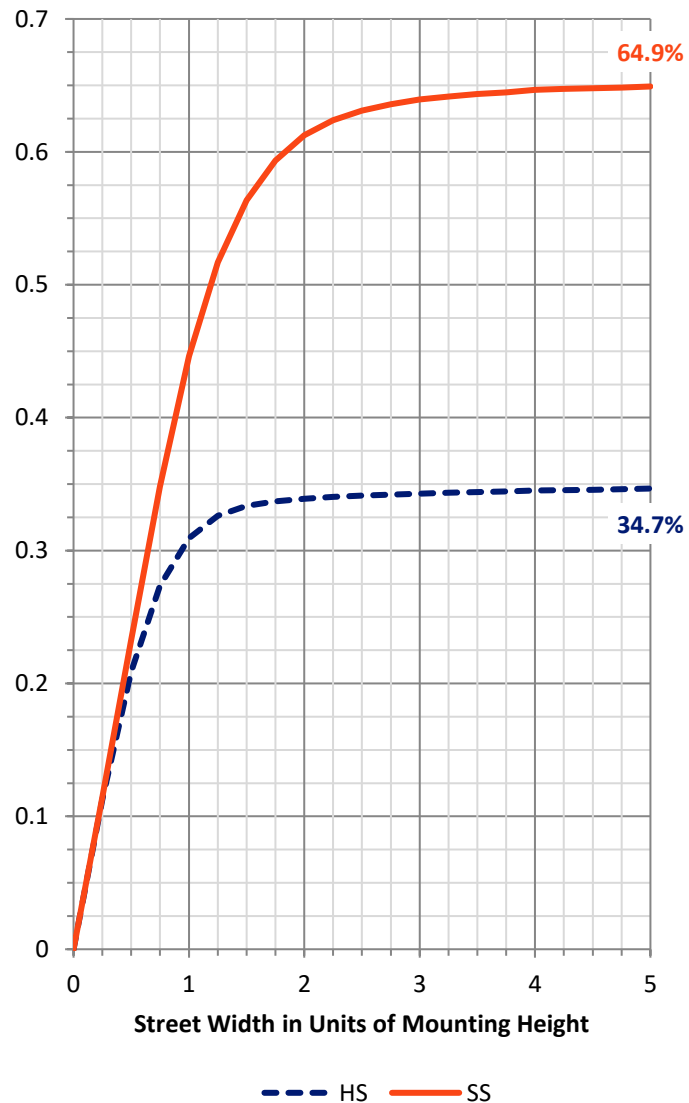
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.8	0.0	908.8
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1686.5	0.0	1686.5
	% Fixture	65.0	0.0	65.0
Total	Lumens	2595.3	0.0	2595.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.0
10°-20°	89.3	3.4
20°-30°	175.3	6.8
30°-40°	291.4	11.2
40°-50°	428.1	16.5
50°-60°	592.7	22.8
60°-70°	707.4	27.3
70°-80°	250.2	9.6
80°-90°	35.0	1.3
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°	2595.3	100.0
0°-180°	2595.3	100.0

Coefficient of Utilization



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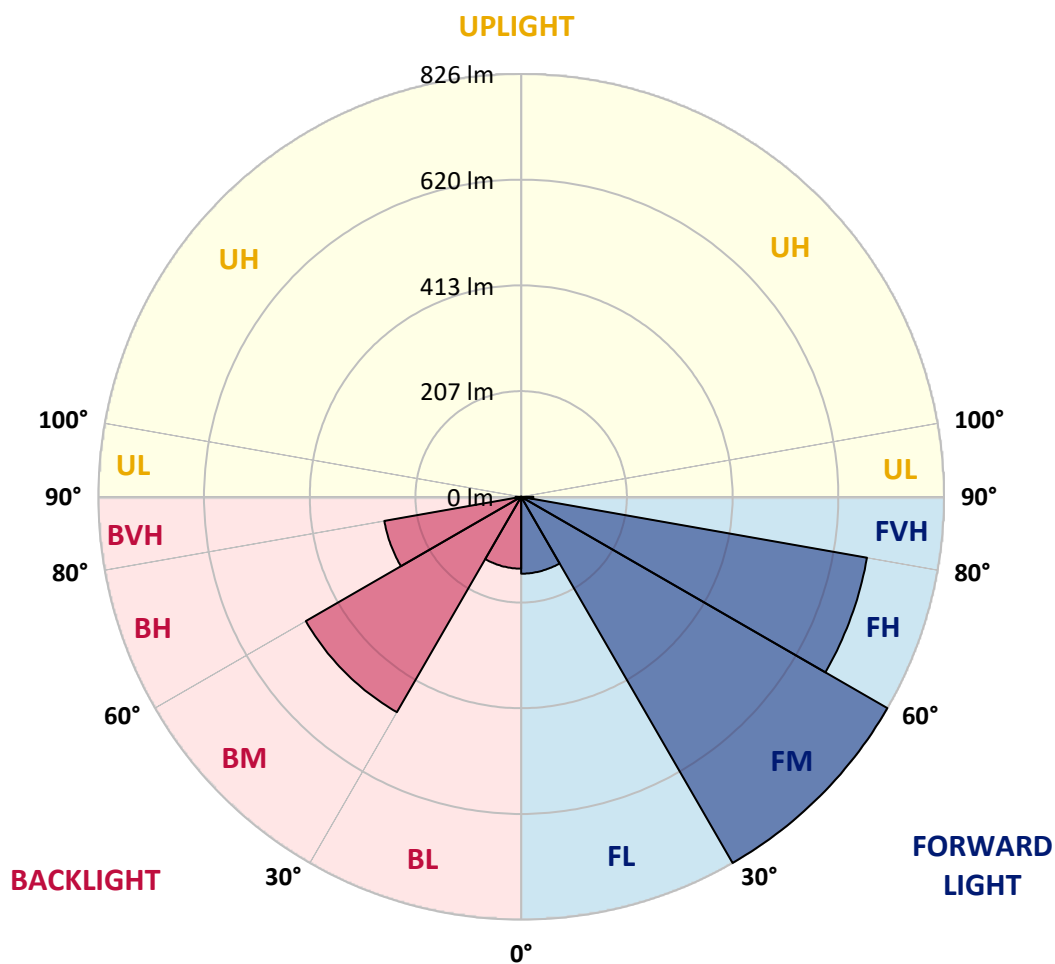
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.2	5.8			
FM	(30°-60°)	826.3	31.8			
FH	(60°-80°)	686.2	26.4			G1/1800
FVH	(80°-90°)	23.9	0.9			G1/100
BL	(0°-30°)	140.4	5.4	B1/500		
BM	(30°-60°)	485.9	18.7	B1/1000		
BH	(60°-80°)	271.5	10.5	B1/500		G1/500
BVH	(80°-90°)	11.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	270.8	271.1	270.5	270.3	269.3	268.0	266.8	265.7	265.7	265.7	264.9
5°	282.6	283.2	282.1	281.2	278.7	277.3	275.3	273.9	273.4	273.1	272.2
7.5°	297.6	296.8	295.0	294.5	292.5	289.4	285.7	282.9	282.9	282.6	282.9
10°	312.5	310.4	309.4	308.6	305.5	301.6	297.3	294.2	293.9	293.7	292.8
12.5°	327.6	326.7	325.8	322.7	319.6	313.4	308.6	305.5	305.2	305.5	304.4
15°	347.3	345.3	344.5	339.1	332.3	325.6	319.6	316.8	316.0	316.3	315.4
17.5°	362.6	362.6	360.6	354.6	345.9	336.6	330.4	328.7	328.4	328.4	328.7
20°	374.7	374.4	372.4	367.7	357.2	347.9	344.8	344.1	343.9	343.9	344.8
22.5°	381.5	380.9	380.1	374.7	366.5	360.3	360.6	362.3	362.8	363.4	364.6
25°	384.9	384.0	383.7	380.1	374.1	373.3	378.3	382.9	384.0	385.2	386.5
27.5°	390.5	389.1	389.6	388.3	386.8	389.3	399.8	404.7	405.5	406.8	407.8
30°	406.0	405.5	407.8	408.3	409.4	413.1	422.7	427.3	429.2	429.2	433.2
32.5°	435.6	436.0	436.5	442.5	444.5	446.9	452.0	455.8	456.0	456.3	460.0
35°	475.4	477.2	482.0	487.0	491.9	491.6	488.5	490.5	489.0	490.8	491.0
37.5°	525.8	523.5	530.6	542.2	549.4	547.5	533.7	524.7	527.2	526.0	525.2
40°	564.5	566.9	580.5	595.8	601.5	607.7	589.5	574.0	571.8	567.6	565.0
42.5°	617.8	618.0	629.1	640.4	656.8	670.4	658.8	636.5	629.6	624.6	613.6
45°	667.3	666.3	675.4	689.2	708.7	728.2	732.4	708.2	705.6	696.6	682.2
47.5°	700.2	699.2	705.3	723.4	755.0	786.9	804.5	797.1	792.3	788.6	766.0
50°	722.6	720.3	727.4	746.5	781.9	831.0	876.7	882.9	880.9	880.9	866.5
52.5°	739.2	739.2	744.2	759.8	795.6	857.0	938.9	970.2	972.7	975.5	974.7
55°	729.9	731.3	744.0	766.6	804.5	875.0	990.3	1058.9	1073.0	1084.9	1098.3
57.5°	698.0	702.8	719.7	756.7	806.7	888.6	1047.3	1183.1	1222.9	1257.3	1311.0
60°	651.4	657.6	682.2	729.3	790.1	866.5	1067.4	1288.1	1351.4	1426.4	1566.5
62.5°	571.5	577.7	601.7	648.8	700.8	782.2	984.4	1303.6	1404.8	1511.2	1722.9
65°	404.9	395.0	422.7	465.1	524.7	603.4	795.4	1199.5	1344.9	1489.1	1750.7
67.5°	225.6	224.8	241.7	273.4	330.4	415.0	548.1	919.9	1053.8	1217.2	1538.2
70°	155.5	157.3	168.0	202.2	249.3	322.5	390.5	577.7	674.0	785.0	1100.6
72.5°	109.2	113.0	118.9	139.2	187.5	271.6	399.0	345.3	393.4	469.0	661.9
75°	64.1	66.6	70.9	80.7	106.7	181.6	413.1	303.5	303.5	321.3	400.4
77.5°	39.5	39.5	42.1	46.0	56.8	88.9	294.2	341.1	331.5	321.3	322.2
80°	20.3	21.8	25.4	27.4	31.6	40.6	132.1	318.2	349.0	369.6	355.2
82.5°	9.3	10.5	15.5	16.7	18.3	21.5	45.5	181.0	242.6	319.4	399.0
85°	4.8	4.8	8.2	10.2	11.0	9.8	16.7	73.2	110.7	168.8	264.2
87.5°	0.8	0.8	1.5	1.7	2.6	2.3	2.8	4.2	7.0	7.7	7.9
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	264.6	264.9	264.6	264.2	263.7	263.7	263.7	263.4	263.4	263.4	263.1
5°	272.2	271.1	271.3	270.8	270.5	270.3	270.5	269.9	269.3	269.6	269.3
7.5°	281.8	281.2	280.1	280.1	279.8	279.3	279.3	278.4	278.1	277.5	277.3
10°	292.5	291.1	291.7	291.1	291.4	290.3	289.7	289.1	288.6	288.6	288.8
12.5°	303.5	303.2	302.4	301.9	301.9	301.0	301.2	301.0	300.1	299.9	299.1
15°	314.8	314.8	314.0	314.3	314.0	313.4	312.8	312.8	312.3	311.7	312.0
17.5°	328.1	328.1	328.1	328.1	328.4	327.6	327.8	327.3	326.7	327.8	327.8
20°	345.3	346.4	346.4	346.2	347.6	346.7	346.4	347.9	346.4	348.4	348.2
22.5°	365.1	366.2	366.2	367.4	367.7	368.5	369.0	368.5	369.6	370.8	370.8
25°	387.2	388.3	389.1	390.8	391.6	391.1	391.4	392.7	393.4	394.4	395.5
27.5°	410.3	410.6	411.7	413.7	415.0	415.6	416.0	418.1	418.4	419.1	420.1
30°	432.8	435.6	435.1	437.6	438.5	439.4	441.0	441.9	443.8	445.0	445.0
32.5°	459.4	458.9	461.1	463.1	464.5	465.9	467.3	468.4	469.5	470.2	473.0
35°	492.4	493.6	493.6	493.9	497.2	497.5	498.7	501.1	502.1	503.7	504.9
37.5°	525.2	523.2	522.9	522.9	521.8	522.7	522.9	523.2	524.4	524.7	525.8
40°	561.9	559.4	557.1	555.6	553.5	550.4	549.7	548.3	549.2	548.9	549.2
42.5°	612.1	605.1	599.7	595.8	591.3	587.9	585.3	581.7	579.1	576.1	575.4
45°	676.3	663.0	654.0	647.5	640.9	631.6	626.3	620.6	615.5	610.5	606.2
47.5°	760.4	746.3	731.9	720.0	709.8	694.9	679.6	671.2	661.2	652.5	646.3
50°	859.5	842.6	835.8	819.2	806.4	783.8	764.9	751.1	731.3	718.0	706.4
52.5°	960.8	956.6	953.0	938.9	923.8	910.9	894.2	869.9	849.9	834.6	811.0
55°	1099.0	1100.9	1099.5	1091.9	1086.5	1074.1	1067.4	1046.1	1037.1	1015.1	990.3
57.5°	1331.3	1347.2	1367.2	1375.1	1385.8	1375.6	1387.5	1401.9	1366.0	1378.4	1356.2
60°	1628.1	1700.6	1743.8	1796.9	1831.7	1880.2	1889.0	1901.7	1898.0	1905.1	1919.5
62.5°	1809.3	1895.4	1978.2	2038.3	2102.7	2138.3	2181.2	2211.2	2242.2	2263.1	2257.2
65°	1862.7	1951.4	2026.5	2092.2	2149.8	2193.4	2233.2	2270.8	2299.3	2319.3	2331.2
67.5°	1666.7	1782.5	1861.6	1938.7	2013.0	2058.7	2092.0	2128.4	2170.3	2205.0	2211.7
70°	1254.2	1427.9	1540.0	1632.3	1719.6	1781.1	1827.7	1861.6	1894.1	1918.9	1946.0
72.5°	784.4	936.3	1064.5	1184.2	1276.8	1361.6	1400.8	1475.9	1466.0	1485.0	1505.3
75°	470.2	544.1	614.7	699.2	747.7	818.2	831.0	843.4	836.9	815.8	831.5
77.5°	326.7	338.9	338.2	333.5	328.4	316.0	299.9	291.1	285.2	276.7	280.1
80°	328.7	302.4	262.3	220.5	182.1	156.7	146.5	146.5	157.0	171.9	186.9
82.5°	392.7	364.8	325.3	272.2	215.8	175.6	148.8	138.0	140.0	155.3	174.5
85°	264.9	271.1	237.7	217.4	172.2	134.1	112.3	91.2	80.7	83.3	94.3
87.5°	9.6	11.6	4.2	5.6	3.9	3.4	3.4	3.6	2.6	3.1	2.8
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	262.9	262.6	262.6	262.1	262.1	261.8	261.8	261.5	261.1	261.1	260.9
5°	269.1	268.8	268.3	268.0	267.4	267.4	267.2	266.5	266.5	266.0	265.7
7.5°	277.8	277.3	276.7	276.5	276.2	275.3	275.3	274.7	274.7	274.2	273.9
10°	288.3	287.8	287.2	287.5	286.6	286.3	285.7	285.7	284.9	284.7	284.7
12.5°	299.6	299.3	299.3	298.4	298.1	297.9	296.8	296.8	296.8	296.2	296.5
15°	311.7	312.0	311.2	312.0	311.7	310.9	310.9	310.9	309.7	311.2	310.1
17.5°	328.1	328.9	328.4	328.7	328.1	328.1	328.4	328.1	328.7	328.7	330.4
20°	348.4	348.7	350.2	349.5	349.5	349.3	349.8	350.2	351.3	350.7	351.8
22.5°	370.8	372.1	372.4	373.6	373.6	373.3	373.9	374.9	375.5	376.4	376.1
25°	396.2	397.0	398.1	396.7	399.0	399.0	399.6	400.9	401.2	401.2	403.2
27.5°	419.9	422.2	422.4	423.8	423.0	423.5	425.5	426.3	427.5	427.5	428.1
30°	446.7	447.6	448.1	449.8	449.5	449.8	450.1	451.5	451.5	453.0	454.3
32.5°	474.4	474.9	475.4	477.2	477.7	478.9	478.3	479.5	480.8	481.1	482.0
35°	507.4	508.0	508.5	511.1	511.4	513.4	513.9	513.4	515.5	514.2	515.5
37.5°	526.6	529.1	529.7	531.4	530.9	532.2	533.1	534.2	534.8	536.0	538.1
40°	550.1	550.9	552.5	553.5	554.5	554.8	556.0	556.8	557.6	560.2	562.7
42.5°	574.0	575.1	576.1	577.1	578.5	579.7	580.5	583.1	583.6	585.3	590.2
45°	603.1	602.6	602.8	603.1	603.7	605.1	607.7	610.2	611.9	615.9	619.8
47.5°	639.3	635.5	634.2	631.9	632.4	635.5	636.2	640.4	643.7	647.5	652.2
50°	694.0	684.1	678.2	672.3	671.7	673.5	675.6	680.2	684.1	688.9	695.8
52.5°	786.1	767.2	755.3	739.0	734.4	733.6	731.9	734.4	735.5	742.1	754.7
55°	972.4	937.4	914.8	889.4	865.7	858.7	845.1	847.9	845.1	849.0	868.0
57.5°	1361.6	1333.6	1311.6	1279.1	1238.4	1195.2	1184.5	1140.2	1148.9	1174.3	1157.9
60°	1926.5	1916.4	1900.5	1885.0	1829.4	1798.0	1746.9	1741.3	1705.5	1705.7	1682.3
62.5°	2242.8	2255.8	2246.1	2241.7	2238.5	2228.7	2203.2	2172.7	2127.0	2094.0	2045.4
65°	2333.2	2322.1	2311.7	2310.3	2309.4	2325.5	2329.2	2307.7	2266.2	2214.8	2159.0
67.5°	2227.8	2221.6	2222.2	2210.3	2217.6	2245.6	2265.1	2259.2	2221.0	2159.0	2087.8
70°	1977.1	1965.0	1977.3	1992.8	2003.9	2020.0	2039.5	2044.2	2009.5	1945.7	1873.2
72.5°	1480.4	1482.4	1494.2	1498.4	1542.8	1538.2	1555.8	1498.8	1473.7	1413.0	1375.6
75°	779.1	766.3	799.4	729.3	700.5	720.6	664.4	610.5	621.8	631.1	563.8
77.5°	275.3	257.5	227.3	215.1	179.0	151.6	123.9	111.8	105.3	102.0	97.7
80°	197.6	203.3	197.1	182.4	155.0	124.2	97.9	77.4	66.3	60.4	56.5
82.5°	199.9	222.2	232.1	227.9	203.0	153.6	101.3	64.7	48.0	40.1	37.3
85°	107.3	117.5	113.0	95.1	85.6	51.1	35.0	23.4	19.8	18.0	16.7
87.5°	4.2	3.4	2.8	2.8	3.1	3.4	2.8	3.1	2.8	2.8	2.8
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	260.3	260.3	260.3	260.1	259.5	258.0	256.7	255.5	254.7	253.9	252.7
5°	265.4	264.9	264.9	264.9	262.6	260.3	258.3	256.4	254.7	253.3	252.1
7.5°	273.9	273.6	272.4	272.2	270.5	266.8	264.6	261.1	259.2	257.2	256.7
10°	284.0	283.7	283.5	283.2	280.9	277.3	274.4	271.3	268.5	265.7	262.9
12.5°	296.0	295.6	295.3	294.5	293.7	291.7	288.6	285.2	281.8	275.9	272.7
15°	310.6	311.2	310.6	310.4	309.7	310.1	308.1	303.2	297.9	290.3	283.7
17.5°	330.1	329.5	329.2	330.4	330.1	331.5	330.9	324.7	316.5	304.4	293.1
20°	351.5	351.5	352.6	353.5	356.1	359.7	358.0	350.4	335.4	318.5	303.8
22.5°	377.2	377.8	379.0	378.3	382.3	388.3	388.8	378.0	358.5	335.1	314.5
25°	404.0	404.7	403.5	405.2	411.7	420.1	421.9	406.6	380.9	350.4	323.6
27.5°	429.4	430.1	430.1	432.3	438.5	453.0	454.6	437.6	403.5	363.6	330.1
30°	454.3	456.6	457.1	457.7	467.0	487.0	490.8	466.2	423.2	373.6	334.6
32.5°	485.7	486.5	487.7	489.0	499.8	524.4	524.4	490.8	436.0	379.8	335.4
35°	519.3	519.6	522.1	522.4	537.6	562.2	557.4	511.1	445.0	378.3	329.2
37.5°	539.6	540.7	543.2	546.6	562.7	597.5	586.4	528.6	446.7	369.0	315.1
40°	564.8	566.9	569.5	573.0	596.9	633.4	611.0	539.6	439.6	350.7	293.9
42.5°	591.8	594.9	598.9	605.1	633.6	665.0	629.6	541.2	423.5	330.1	268.8
45°	622.3	628.0	632.4	639.8	672.0	692.3	640.9	531.4	403.2	303.0	242.0
47.5°	657.6	662.2	670.1	677.9	710.2	711.0	642.1	512.2	375.5	275.9	213.5
50°	701.1	703.9	715.8	720.6	750.8	730.5	633.9	486.2	346.4	245.4	181.9
52.5°	759.0	762.9	778.1	785.5	806.9	757.0	622.3	458.0	313.2	211.2	149.3
55°	873.4	890.6	901.2	914.0	927.9	817.1	617.2	427.8	275.5	171.7	118.3
57.5°	1194.4	1188.7	1212.4	1241.2	1240.9	954.6	647.8	401.8	231.3	131.3	90.9
60°	1672.6	1678.0	1665.9	1683.1	1628.4	1125.2	689.5	374.4	181.2	97.7	69.4
62.5°	2028.2	1997.1	1979.9	1959.6	1839.0	1143.8	659.1	318.2	131.8	68.6	53.4
65°	2112.3	2075.9	2038.9	2000.2	1818.3	1031.2	540.7	233.5	85.3	47.2	42.4
67.5°	2029.3	1970.9	1923.7	1883.9	1666.2	854.7	395.3	143.4	48.8	38.1	36.2
70°	1814.2	1749.5	1673.3	1628.6	1403.0	629.9	253.3	77.4	37.5	33.9	33.1
72.5°	1328.0	1274.8	1191.5	1140.4	1007.5	382.9	141.5	43.5	35.0	32.4	31.3
75°	517.3	489.6	454.9	457.7	408.6	169.4	64.1	37.5	34.2	31.9	30.8
77.5°	88.9	86.7	80.2	80.2	91.2	61.9	42.6	37.8	33.9	31.3	29.3
80°	53.4	52.2	49.7	49.1	47.5	43.5	40.9	38.4	33.4	29.6	27.2
82.5°	35.0	33.6	32.7	32.4	35.3	38.1	38.4	38.1	31.6	25.7	22.1
85°	14.9	14.9	14.9	15.2	20.3	30.8	31.6	33.9	26.0	20.0	15.9
87.5°	2.6	3.1	3.1	3.4	3.6	6.7	8.5	11.0	8.7	8.5	7.7
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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	165°	175°	180°
0°	259.5	259.5	259.5
2.5°	252.4	251.8	251.8
5°	251.6	251.0	251.3
7.5°	254.9	253.9	254.1
10°	261.1	260.1	259.5
12.5°	269.1	267.7	267.7
15°	277.3	273.9	273.6
17.5°	284.0	279.8	279.3
20°	291.7	286.0	285.2
22.5°	298.8	291.1	289.9
25°	303.8	294.5	293.1
27.5°	306.1	295.0	293.9
30°	307.8	295.3	293.7
32.5°	306.1	292.8	291.4
35°	296.8	282.4	281.6
37.5°	280.6	264.6	263.4
40°	259.5	242.6	239.7
42.5°	232.3	216.6	213.5
45°	206.1	188.1	186.6
47.5°	177.9	160.6	161.6
50°	148.2	132.7	132.4
52.5°	120.0	106.4	105.6
55°	94.6	85.0	84.1
57.5°	74.8	69.7	68.9
60°	61.0	58.4	57.6
62.5°	49.1	48.3	48.0
65°	40.9	40.9	40.9
67.5°	35.5	35.9	35.9
70°	32.7	33.1	32.7
72.5°	31.6	32.4	32.4
75°	30.8	31.3	30.3
77.5°	30.3	30.5	28.5
80°	29.9	29.6	26.0
82.5°	26.0	25.2	22.1
85°	23.7	18.0	15.2
87.5°	12.1	8.5	6.5
90°	0.0	0.0	0.0

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