

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: P155809

Luminaire Tested: **AVS-E01-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155809
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E01-LED-E-U-T3-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2816.7 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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



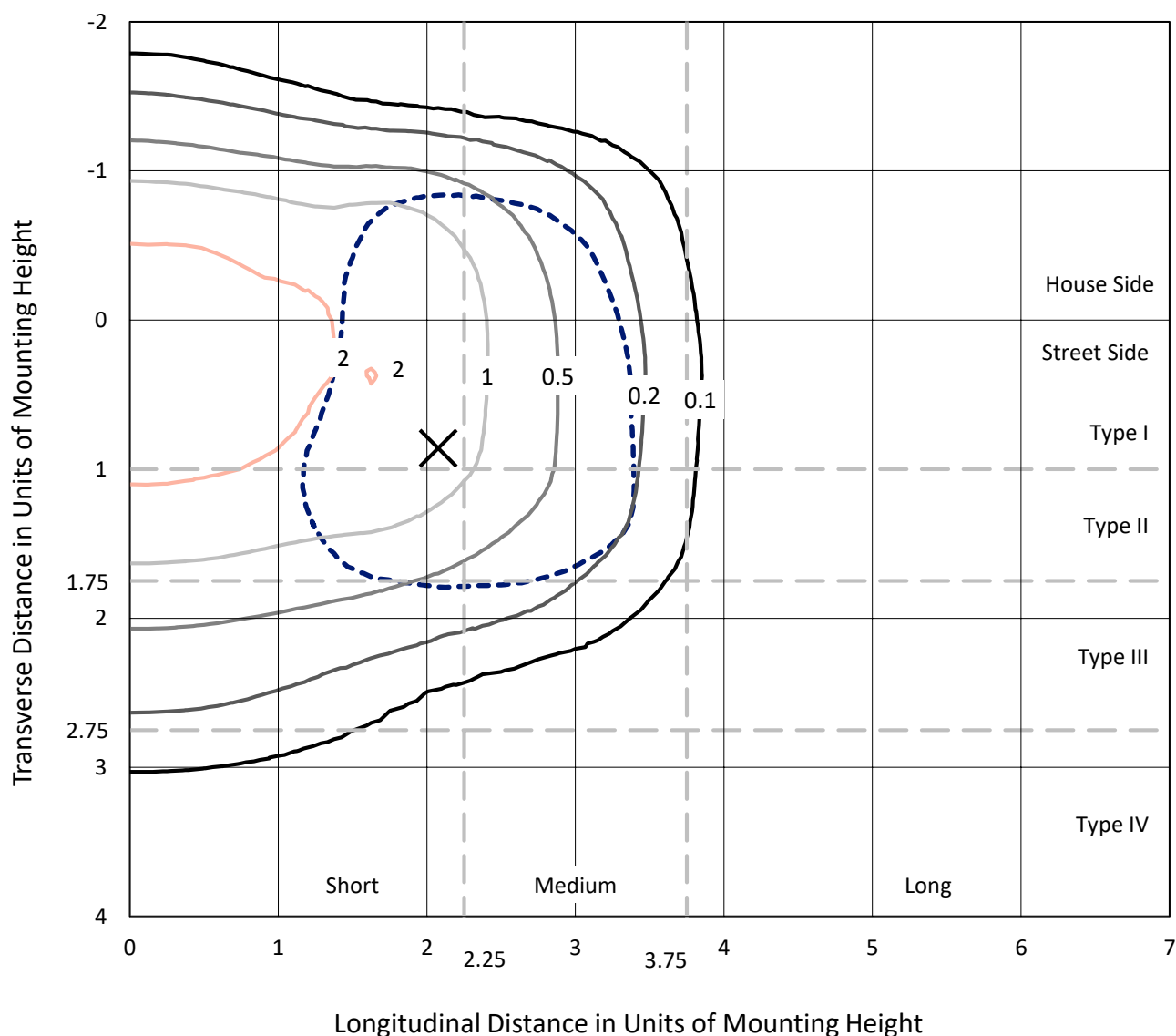
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

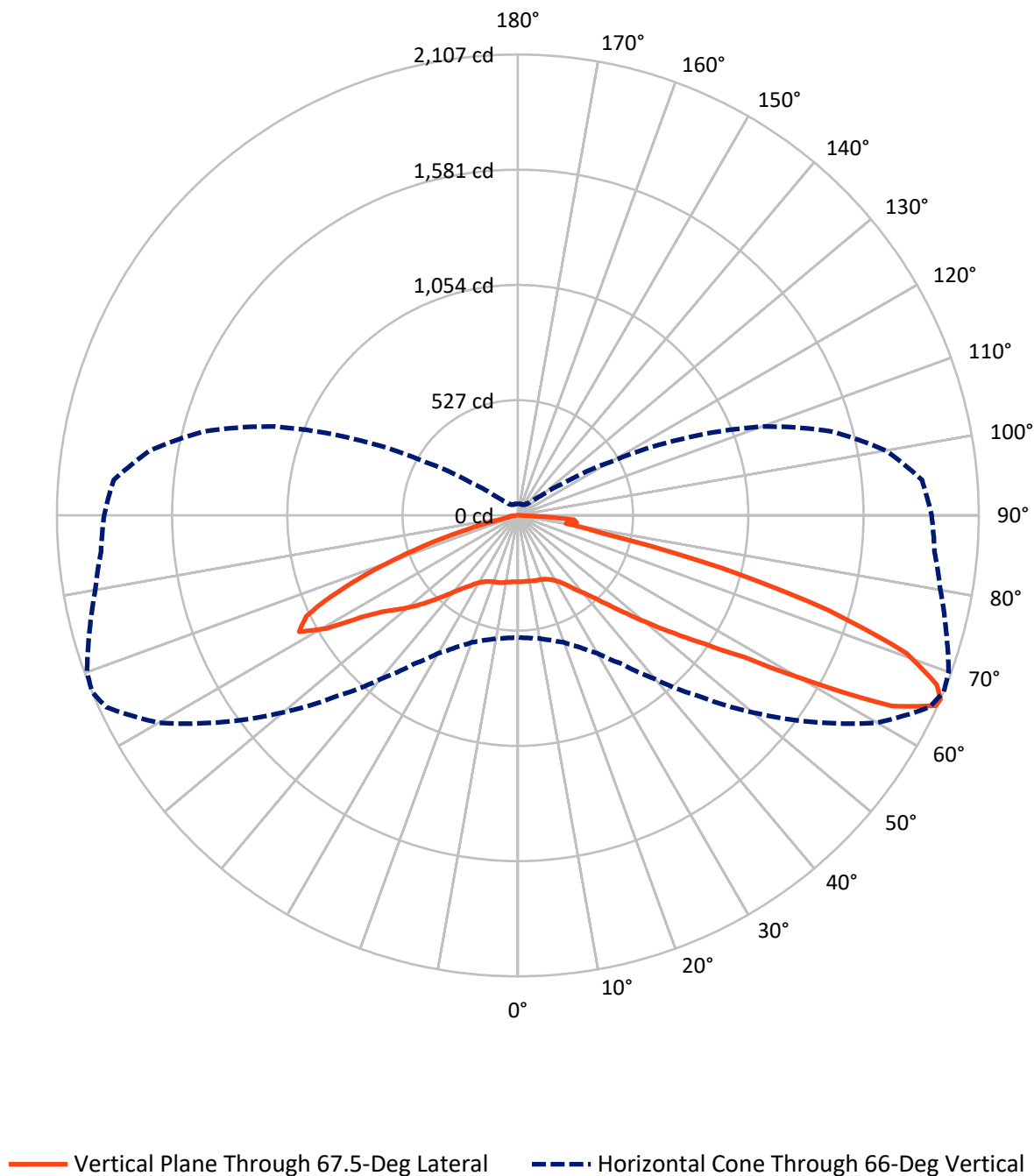


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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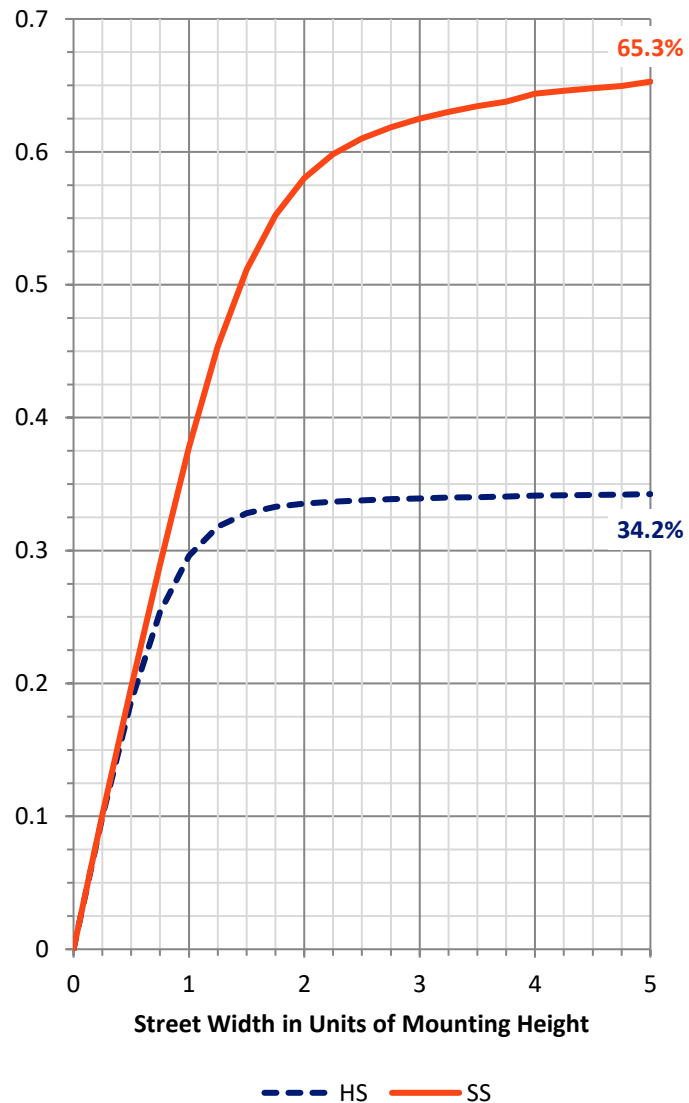
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	972.7	0.0	972.7
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1844.0	0.0	1844.0
	% Fixture	65.5	0.0	65.5
Total	Lumens	2816.7	0.0	2816.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	1.0
10°-20°	85.8	3.0
20°-30°	147.5	5.2
30°-40°	239.4	8.5
40°-50°	399.7	14.2
50°-60°	629.4	22.3
60°-70°	858.3	30.5
70°-80°	371.6	13.2
80°-90°	55.9	2.0
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°	2816.7	100.0
0°-180°	2816.7	100.0

Coefficient of Utilization



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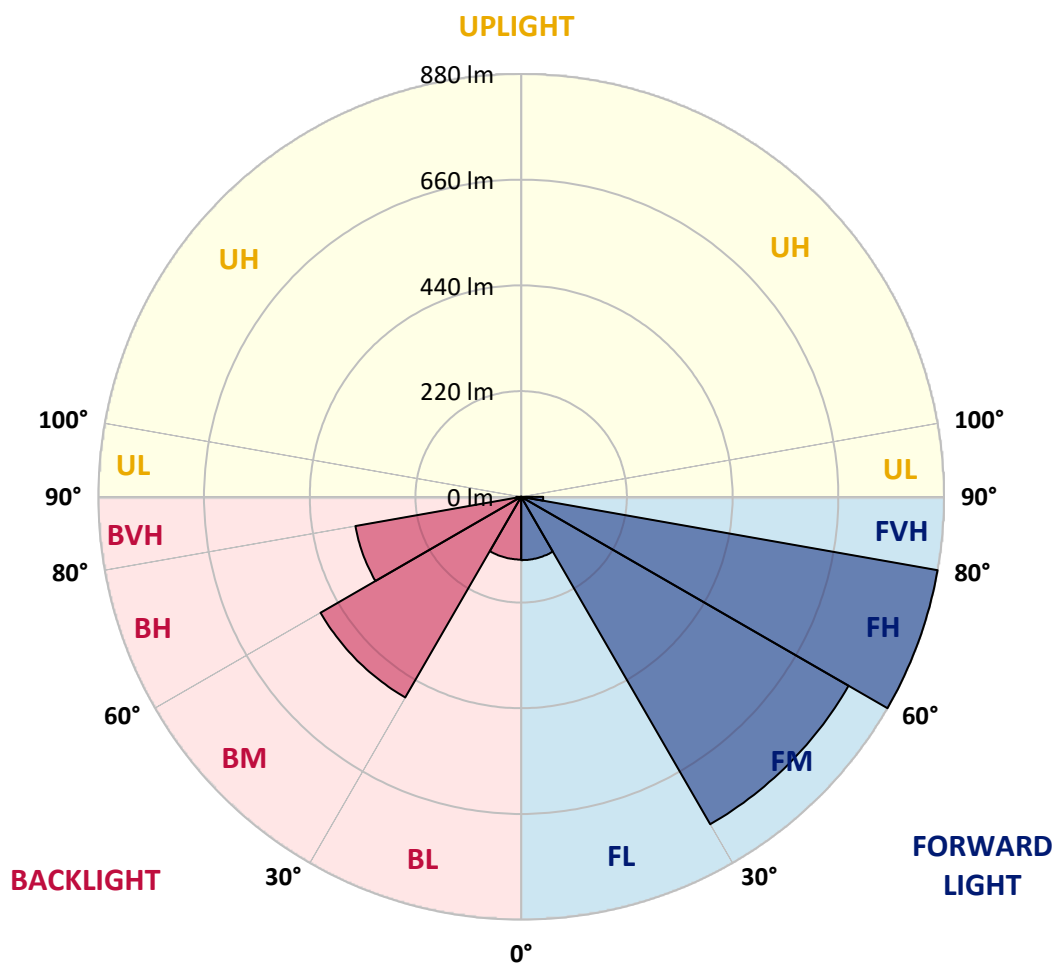
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.8	4.7			
FM	(30°-60°)	786.6	27.9			
FH	(60°-80°)	879.7	31.2			G1/1800
FVH	(80°-90°)	45.9	1.6			G1/100
BL	(0°-30°)	130.6	4.6	B1/500		
BM	(30°-60°)	482.0	17.1	B1/1000		
BH	(60°-80°)	350.1	12.4	B1/500		G1/500
BVH	(80°-90°)	10.0	0.4			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5
2.5°	304.8	306.0	304.8	305.1	305.4	305.1	304.8	304.8	303.8	304.5	305.1
5°	303.5	304.5	304.1	304.5	304.8	304.5	304.1	304.5	303.8	304.1	305.1
7.5°	302.0	301.8	302.0	302.6	303.2	303.2	303.2	303.5	303.2	303.2	304.1
10°	297.4	297.7	298.3	299.3	299.6	300.5	300.5	301.5	301.8	302.3	303.5
12.5°	291.7	291.9	292.5	293.2	294.7	296.3	296.3	298.3	299.3	300.8	302.9
15°	287.4	287.7	288.3	288.9	290.2	291.7	292.5	295.0	296.6	299.3	302.3
17.5°	289.8	289.5	290.2	290.5	290.5	291.7	291.7	293.5	295.3	297.7	301.8
20°	296.8	296.8	297.4	297.4	297.1	297.7	296.6	296.6	296.8	298.0	300.8
22.5°	303.8	303.5	304.8	305.4	305.7	306.6	305.4	305.1	303.5	302.6	303.5
25°	310.6	310.3	311.7	312.6	314.2	315.1	315.1	315.1	313.9	312.3	311.5
27.5°	320.9	320.9	322.4	323.3	324.6	326.3	327.3	327.3	327.6	325.5	323.9
30°	338.2	338.5	338.9	340.1	341.2	341.9	343.1	344.0	345.0	343.7	341.2
32.5°	359.0	357.1	357.1	359.0	360.5	362.3	362.9	364.1	365.9	365.1	364.8
35°	383.6	383.0	382.4	383.0	384.9	386.9	389.4	391.5	390.3	392.1	391.2
37.5°	420.1	420.7	421.0	421.0	420.7	421.3	422.6	424.7	424.1	424.7	425.9
40°	480.4	478.3	476.2	476.5	473.5	474.0	469.1	471.3	471.6	469.4	470.4
42.5°	540.7	542.0	542.8	545.3	543.1	542.0	537.3	537.3	534.9	532.7	532.2
45°	605.9	608.3	608.6	613.5	611.6	615.6	619.0	618.0	614.1	613.8	609.5
47.5°	657.9	661.9	666.1	671.9	676.5	685.3	695.6	700.8	703.9	706.3	701.5
50°	696.9	698.8	709.6	718.8	728.8	743.4	757.8	776.4	791.3	798.2	805.0
52.5°	717.9	722.5	734.3	748.6	766.3	788.2	811.4	840.9	866.4	883.5	898.8
55°	722.5	727.0	740.4	758.7	782.7	812.2	845.5	885.6	924.0	956.9	988.8
57.5°	709.6	714.8	729.1	750.2	778.4	814.4	856.1	908.8	961.8	1015.0	1062.2
60°	686.2	692.6	705.7	726.4	757.8	798.2	848.2	914.3	988.6	1070.2	1160.5
62.5°	647.6	654.3	666.4	689.3	721.6	766.3	824.1	906.3	1011.4	1139.9	1300.3
65°	585.5	588.5	603.4	626.5	655.1	704.5	768.1	867.4	1004.0	1182.8	1403.8
66°	557.4	562.6	571.7	590.4	617.7	664.0	728.0	828.7	976.4	1167.9	1401.0
67.5°	513.6	517.6	523.6	536.2	552.8	586.9	647.6	742.9	891.7	1092.3	1342.9
70°	415.2	417.1	425.3	429.5	435.3	446.6	468.5	523.3	639.4	827.8	1083.8
72.5°	283.1	288.3	297.1	309.3	325.2	340.4	350.8	357.7	382.7	493.8	722.2
75°	207.7	213.2	224.4	240.5	268.2	299.9	332.7	348.0	337.6	323.3	402.2
77.5°	120.5	127.9	137.3	152.8	178.4	220.4	276.8	326.6	360.5	362.6	344.4
80°	50.9	51.7	57.5	65.5	81.2	110.8	154.6	226.5	301.5	351.9	363.8
82.5°	11.6	14.3	18.2	21.7	26.5	36.6	54.2	90.2	162.9	255.4	333.1
85°	4.2	4.2	5.8	8.5	9.7	11.0	14.3	22.8	39.0	71.8	149.7
87.5°	0.0	0.3	0.6	0.6	1.2	1.6	2.5	3.3	3.0	2.7	9.1
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5
2.5°	304.5	304.1	303.5	303.5	303.5	303.5	302.9	303.2	302.6	302.9	302.9
5°	304.1	304.1	303.8	303.2	303.5	303.5	303.8	303.2	303.2	303.5	303.2
7.5°	304.1	303.8	303.8	303.8	304.1	303.8	304.1	304.1	304.1	304.5	304.5
10°	304.1	304.1	304.8	305.1	305.1	305.4	306.3	306.3	306.6	306.8	307.5
12.5°	304.5	305.7	306.6	307.5	307.8	308.4	309.9	309.9	310.6	311.5	311.7
15°	304.8	306.6	308.4	309.0	309.6	310.9	312.3	313.0	313.9	314.8	315.4
17.5°	304.5	306.8	309.0	309.9	310.9	312.3	314.2	314.8	316.1	317.2	318.4
20°	304.1	307.5	310.9	312.0	313.3	315.4	317.8	319.4	320.6	322.4	323.6
22.5°	306.0	309.9	314.5	316.4	318.4	321.2	324.6	326.3	327.9	329.7	330.7
25°	311.7	314.8	320.3	323.3	326.1	330.7	335.2	337.3	339.2	340.7	340.9
27.5°	321.5	322.4	329.1	333.1	337.0	344.4	349.8	351.3	354.7	355.9	355.6
30°	337.3	335.9	341.2	347.4	353.2	363.2	369.9	373.9	376.9	376.9	374.5
32.5°	360.2	357.7	359.3	366.2	373.0	387.6	395.4	400.6	402.8	402.2	397.0
35°	390.1	388.5	387.6	393.1	403.7	420.7	431.1	433.9	437.2	436.6	429.8
37.5°	425.3	424.1	424.1	430.5	440.8	466.1	477.4	479.2	478.9	474.0	461.6
40°	467.0	466.4	463.6	467.4	476.2	509.0	524.2	526.7	523.3	515.4	500.8
42.5°	527.0	523.3	514.8	517.0	523.6	555.6	575.4	582.1	578.8	570.9	547.0
45°	605.3	601.2	586.9	585.2	588.8	616.8	642.4	643.9	643.3	633.3	605.3
47.5°	697.2	691.1	675.9	671.0	669.7	695.6	720.3	722.8	721.2	706.3	668.9
50°	796.8	787.9	777.8	774.5	769.6	788.2	813.2	813.5	807.4	786.7	751.7
52.5°	903.0	900.0	898.1	894.8	892.6	908.8	924.0	914.9	905.7	884.1	853.7
55°	1010.2	1022.7	1035.4	1036.7	1040.3	1057.6	1057.3	1032.4	1025.7	1013.8	983.6
57.5°	1124.0	1170.3	1210.5	1223.0	1235.1	1267.5	1264.4	1239.7	1231.2	1216.6	1191.6
60°	1279.0	1403.8	1519.8	1547.6	1566.7	1605.4	1601.8	1563.6	1581.3	1580.1	1547.9
62.5°	1496.1	1703.7	1877.5	1920.2	1933.6	1937.8	1914.7	1873.6	1891.0	1910.5	1811.2
65°	1643.1	1887.3	2065.7	2098.5	2100.4	2049.5	1998.1	1949.7	1945.4	1928.7	1786.8
66°	1646.4	1896.4	2075.4	2107.4	2096.2	2026.7	1961.6	1912.8	1891.8	1855.0	1708.0
67.5°	1587.4	1839.5	2032.2	2066.0	2041.3	1943.0	1853.2	1790.5	1749.3	1689.7	1560.0
70°	1333.2	1583.1	1820.6	1883.6	1891.5	1744.8	1620.3	1546.6	1491.2	1409.3	1297.6
72.5°	991.3	1217.2	1426.6	1486.9	1517.7	1400.5	1295.4	1239.4	1163.6	1077.4	998.0
75°	621.3	780.9	921.2	963.6	934.6	843.9	780.9	757.5	682.9	631.4	595.2
77.5°	355.3	405.2	416.5	400.3	366.2	280.4	199.4	147.7	128.2	141.9	156.5
80°	346.7	317.8	253.3	222.9	201.9	138.9	81.6	56.1	46.6	47.8	51.7
82.5°	375.6	403.1	331.8	270.7	227.2	153.5	84.7	45.1	30.5	36.0	40.5
85°	244.1	339.8	306.0	257.8	208.8	131.2	69.7	23.4	15.5	20.4	28.0
87.5°	24.7	27.0	23.1	31.4	23.4	11.0	5.5	3.3	3.0	3.6	5.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5
2.5°	303.2	303.2	303.5	303.8	304.1	304.5	304.5	304.5	304.5	305.1	304.8
5°	303.8	304.5	305.1	305.4	306.0	306.0	306.8	306.6	306.6	307.5	307.8
7.5°	305.1	306.0	307.2	306.8	308.1	307.8	308.4	308.4	307.5	307.8	307.2
10°	307.8	309.0	309.6	308.7	309.0	307.8	307.5	306.0	304.1	303.2	302.0
12.5°	312.3	313.6	313.6	312.0	310.3	307.5	305.4	302.0	299.3	297.7	296.3
15°	316.4	317.5	317.2	314.8	312.0	307.8	304.8	300.8	296.8	294.4	292.8
17.5°	319.4	320.0	319.1	315.8	312.6	308.7	305.7	301.5	296.8	293.8	291.1
20°	323.9	323.3	321.2	316.9	313.6	309.9	307.5	303.8	298.7	294.7	290.8
22.5°	330.7	328.2	324.2	319.7	316.4	313.0	310.6	306.6	301.5	296.6	291.9
25°	339.5	334.6	329.1	324.2	321.2	317.5	314.8	310.6	305.1	299.6	294.1
27.5°	352.2	343.7	336.7	332.4	329.1	324.6	321.2	315.8	309.9	303.5	297.4
30°	366.5	355.0	348.3	345.0	341.2	336.4	331.2	324.2	317.5	310.6	303.2
32.5°	385.1	371.1	364.8	361.3	356.5	350.5	344.4	336.4	326.9	317.8	309.0
35°	409.5	395.1	388.5	383.3	376.6	368.7	359.9	349.2	336.4	324.2	313.0
37.5°	435.6	420.1	413.8	408.3	398.2	387.9	375.3	359.9	342.5	326.3	312.3
40°	468.8	454.5	446.3	436.9	425.0	407.0	387.6	365.1	342.8	323.0	306.6
42.5°	510.9	496.6	484.4	469.4	448.8	421.0	393.4	364.1	337.3	314.8	297.1
45°	566.6	549.2	528.2	502.1	468.5	429.8	393.7	358.3	326.9	302.0	283.1
47.5°	634.8	608.3	573.9	529.7	481.7	432.3	388.8	346.7	310.9	283.7	262.7
50°	715.8	674.1	617.4	552.5	488.3	428.7	376.6	329.4	288.0	259.1	234.1
52.5°	808.3	740.1	656.7	569.0	488.1	416.5	355.9	303.2	258.1	225.9	202.2
55°	917.0	815.6	697.2	581.2	479.5	394.0	324.2	266.4	221.3	191.5	169.5
57.5°	1076.3	938.0	767.8	600.1	462.5	359.3	281.3	222.3	182.7	154.4	135.8
60°	1367.3	1142.3	895.1	638.1	436.3	308.4	231.1	175.0	141.9	119.1	106.5
62.5°	1586.5	1300.3	963.9	629.6	383.6	245.7	171.4	127.6	104.5	88.9	80.9
65°	1555.1	1251.3	890.5	542.2	300.8	173.3	113.9	86.7	71.8	64.6	60.0
66°	1484.1	1187.4	826.8	488.1	260.0	144.0	93.8	72.7	61.8	56.6	53.6
67.5°	1349.6	1068.6	713.1	400.0	199.7	104.5	70.7	57.5	50.3	48.1	46.0
70°	1121.9	852.1	500.5	233.0	102.0	58.1	44.8	40.2	38.3	38.0	37.4
72.5°	859.8	603.1	294.7	110.3	53.0	38.7	34.7	33.2	32.5	32.5	32.8
75°	527.0	338.9	130.3	53.9	37.1	32.5	30.8	30.2	29.8	30.2	29.8
77.5°	176.0	107.8	55.8	40.8	33.8	30.2	28.9	28.3	28.3	28.3	28.3
80°	53.9	46.8	42.6	37.7	31.9	28.6	26.8	26.5	26.8	27.0	26.2
82.5°	40.5	38.3	36.0	33.5	28.9	25.6	25.0	25.0	25.0	24.0	22.8
85°	29.8	29.5	24.4	22.8	21.3	21.3	21.3	21.3	20.4	18.9	17.6
87.5°	5.5	5.2	5.5	5.8	8.5	9.1	9.1	9.7	10.7	10.1	10.1
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):

	160°	165°	170°	175°	180°
0°	303.5	303.5	303.5	303.5	303.5
2.5°	304.8	304.5	305.4	304.8	305.1
5°	307.5	307.2	307.8	307.2	308.1
7.5°	306.6	306.0	305.7	306.0	306.3
10°	300.2	299.6	299.3	299.0	299.3
12.5°	294.7	293.5	293.5	292.8	293.2
15°	290.8	289.8	289.5	288.9	289.2
17.5°	288.9	287.4	286.8	286.2	286.2
20°	287.7	285.9	285.0	284.4	284.0
22.5°	287.7	285.0	283.7	283.1	282.8
25°	288.9	285.6	283.7	282.8	282.5
27.5°	291.4	287.0	285.0	283.7	283.7
30°	295.6	290.2	287.0	285.6	285.3
32.5°	299.9	292.5	288.3	286.5	285.9
35°	302.0	292.5	287.4	284.4	283.7
37.5°	299.6	288.6	282.2	277.6	276.8
40°	291.9	280.4	273.4	269.1	268.5
42.5°	282.0	270.7	262.5	259.4	258.4
45°	268.2	254.8	246.6	242.4	242.7
47.5°	244.8	231.1	223.7	219.8	220.4
50°	217.1	203.6	197.3	193.1	193.9
52.5°	186.6	174.4	168.4	166.2	165.6
55°	154.6	145.2	140.9	138.5	137.6
57.5°	125.4	118.8	115.6	112.6	113.0
60°	99.0	95.6	94.7	91.3	91.0
62.5°	77.9	75.9	74.9	72.4	72.7
65°	59.1	58.4	59.1	57.5	58.1
66°	53.3	53.6	53.6	52.6	53.3
67.5°	46.0	46.6	47.5	46.6	47.2
70°	38.0	38.7	39.3	39.3	39.3
72.5°	33.2	33.8	34.1	34.1	34.1
75°	30.5	30.8	31.1	30.5	30.5
77.5°	28.6	28.6	28.0	27.7	27.4
80°	25.9	25.6	24.7	24.0	24.0
82.5°	21.7	21.0	20.4	19.5	19.5
85°	16.5	15.9	15.2	14.0	13.4
87.5°	8.5	8.8	8.5	7.0	6.1
90°	0.0	0.0	0.0	0.0	0.0

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