

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: P154773

Luminaire Tested: **AVS-F01-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154773
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-T2-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2134.7 lumens
Efficiency: N/A
Efficacy: 82.4 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



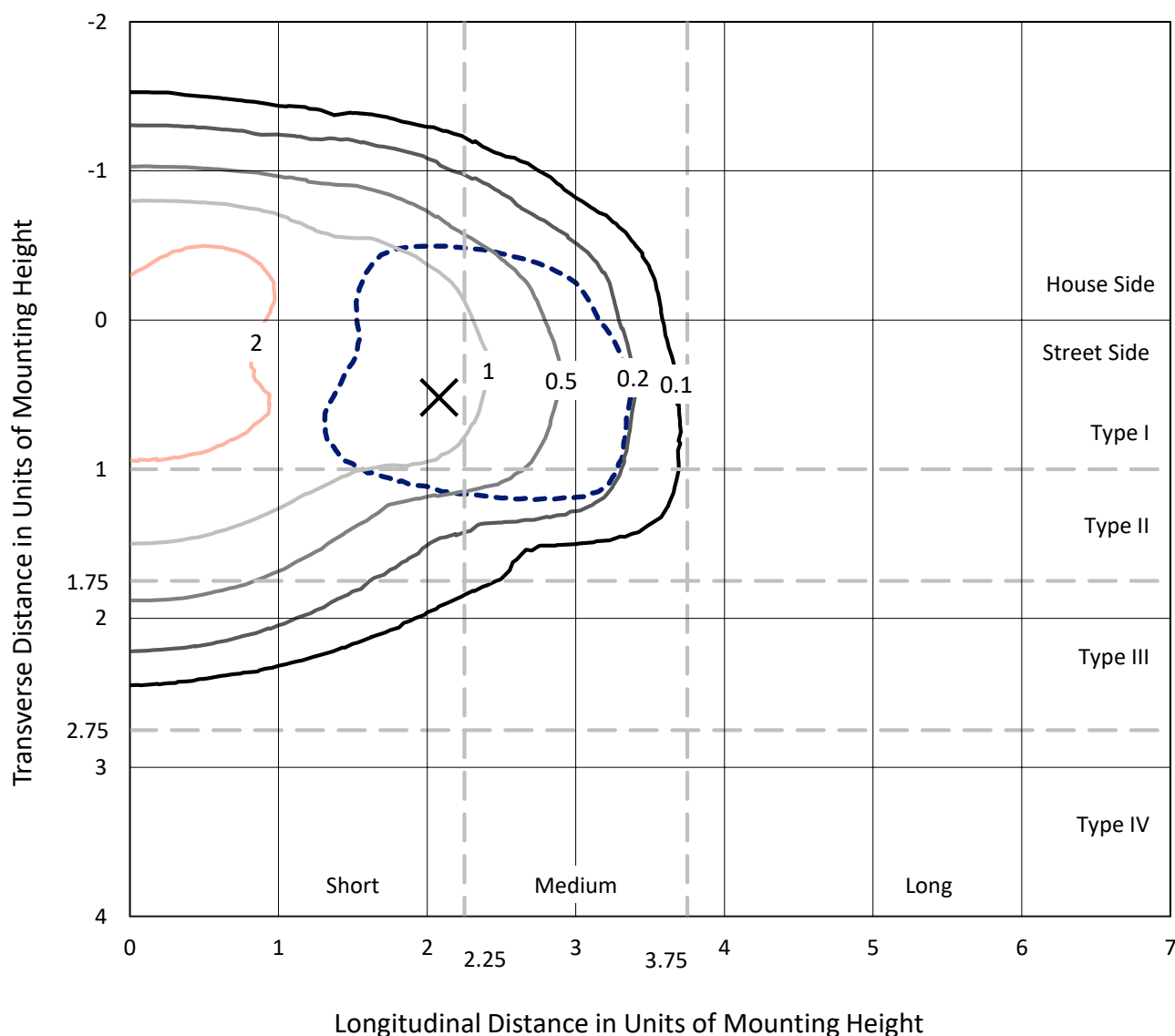
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

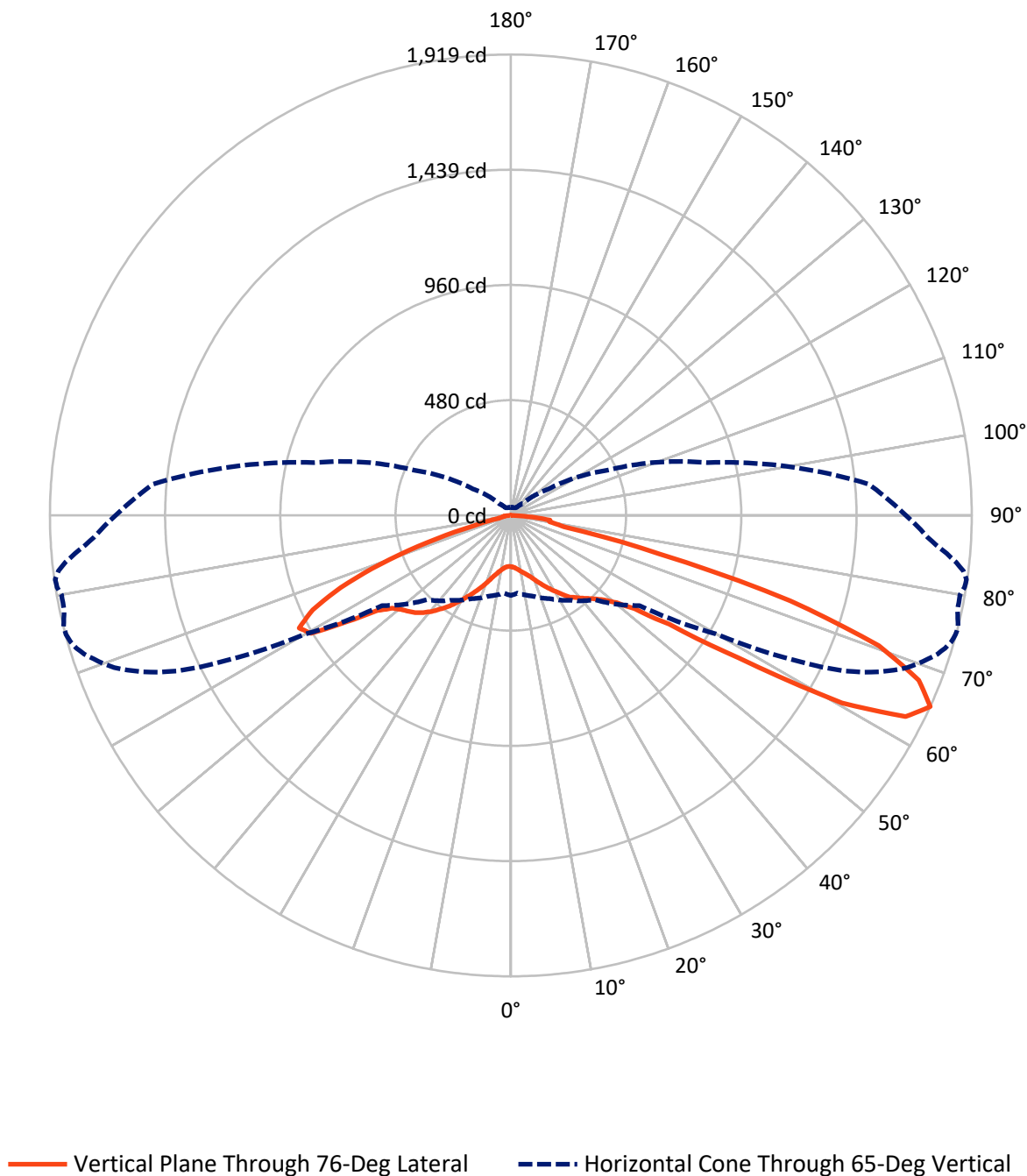


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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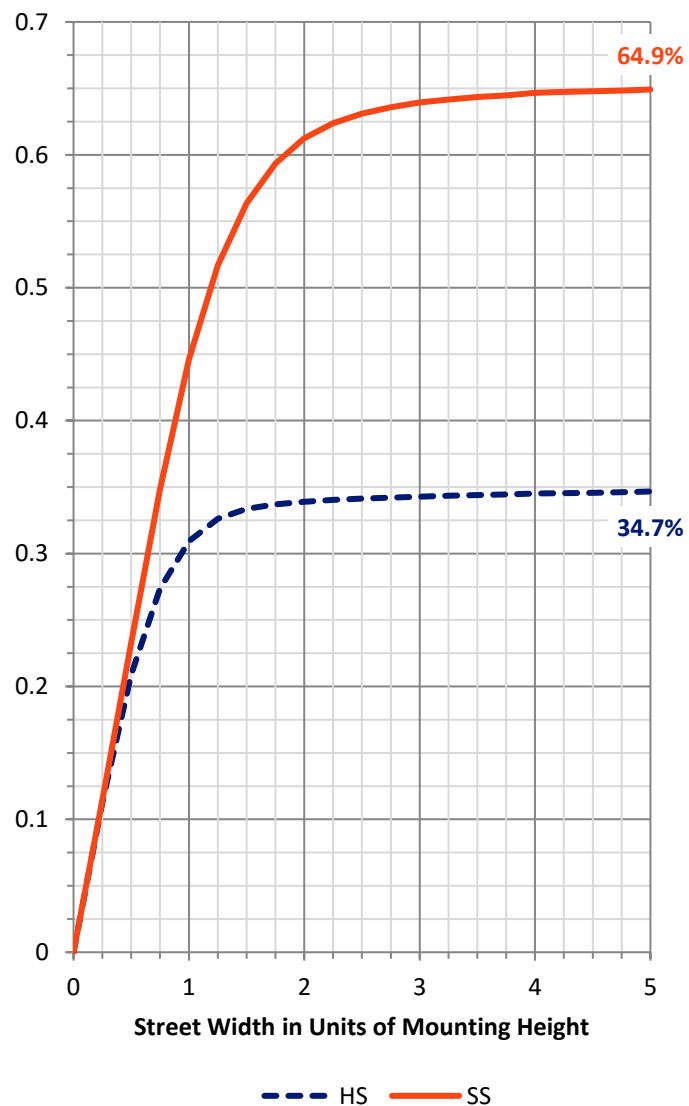
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.5	0.0	747.5
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1387.2	0.0	1387.2
	% Fixture	65.0	0.0	65.0
Total	Lumens	2134.7	0.0	2134.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	1.0
10°-20°	73.4	3.4
20°-30°	144.2	6.8
30°-40°	239.6	11.2
40°-50°	352.1	16.5
50°-60°	487.5	22.8
60°-70°	581.9	27.3
70°-80°	205.8	9.6
80°-90°	28.7	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°	2134.7	100.0
0°-180°	2134.7	100.0

Coefficient of Utilization



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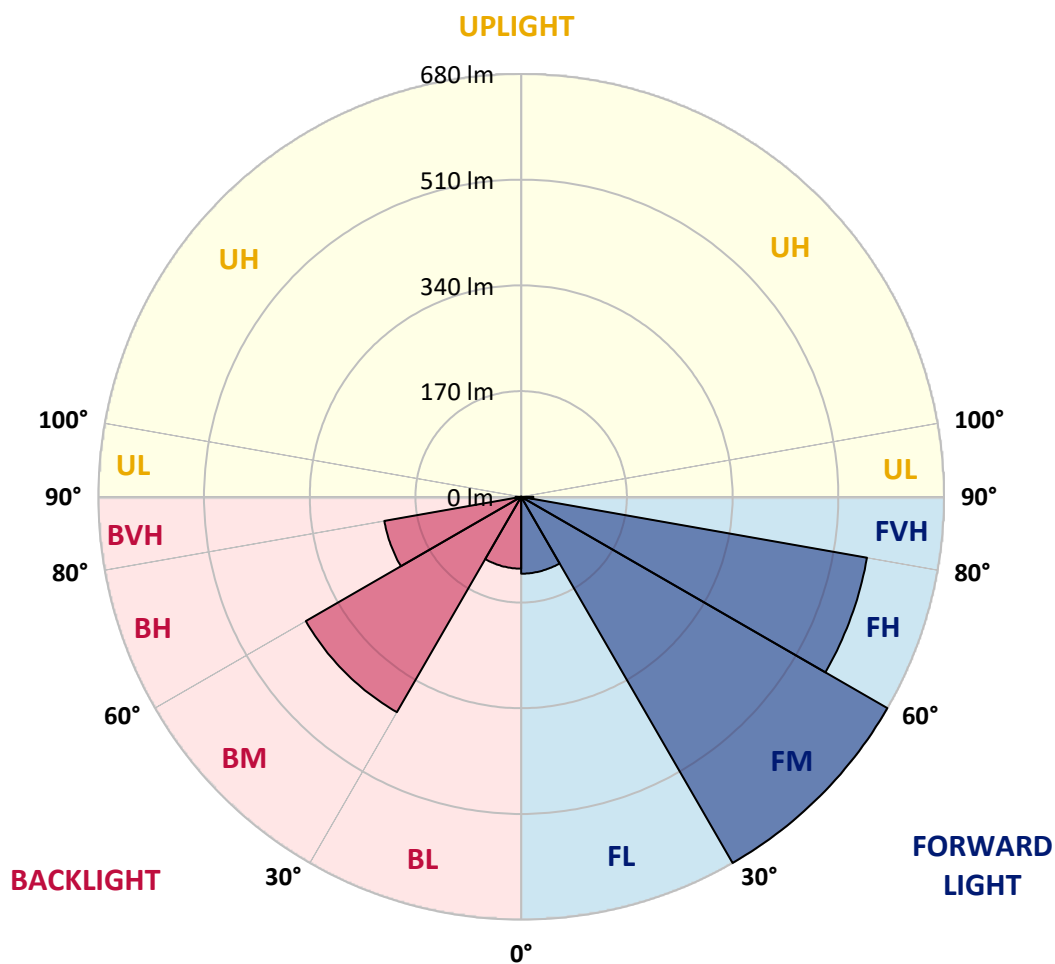
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.5	5.8			
FM	(30°-60°)	679.6	31.8			
FH	(60°-80°)	564.4	26.4			G0/660
FVH	(80°-90°)	19.6	0.9			G1/100
BL	(0°-30°)	115.5	5.4	B1/500		
BM	(30°-60°)	399.6	18.7	B1/1000		
BH	(60°-80°)	223.3	10.5	B1/500		G1/500
BVH	(80°-90°)	9.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5
2.5°	222.7	223.0	222.5	222.3	221.6	220.4	219.5	218.5	218.5	218.5	217.8
5°	232.4	233.0	232.0	231.3	229.2	228.1	226.4	225.3	224.8	224.6	223.8
7.5°	244.8	244.0	242.7	242.3	240.6	238.0	235.0	232.7	232.7	232.4	232.7
10°	257.1	255.2	254.5	253.9	251.3	248.1	244.6	242.0	241.8	241.6	240.8
12.5°	269.4	268.7	268.0	265.5	262.9	257.8	253.9	251.3	251.1	251.3	250.4
15°	285.7	284.0	283.3	279.0	273.4	267.8	262.9	260.6	259.9	260.1	259.4
17.5°	298.2	298.2	296.6	291.7	284.5	276.8	271.7	270.4	270.1	270.1	270.4
20°	308.2	308.0	306.3	302.4	293.8	286.1	283.5	283.1	282.9	282.9	283.5
22.5°	313.8	313.3	312.6	308.2	301.5	296.4	296.6	297.9	298.4	298.9	299.8
25°	316.6	315.9	315.6	312.6	307.8	307.0	311.2	314.9	315.9	316.8	317.9
27.5°	321.2	320.0	320.5	319.4	318.1	320.3	328.8	332.8	333.5	334.7	335.3
30°	334.0	333.5	335.3	335.9	336.8	339.8	347.7	351.4	353.1	353.1	356.3
32.5°	358.3	358.5	359.1	363.9	365.6	367.7	371.8	374.8	375.0	375.3	378.3
35°	391.1	392.5	396.5	400.6	404.6	404.4	401.8	403.4	402.3	403.6	403.8
37.5°	432.4	430.6	436.4	445.9	451.9	450.4	439.0	431.5	433.6	432.6	432.0
40°	464.2	466.3	477.5	490.1	494.7	499.8	485.0	472.1	470.3	466.8	464.8
42.5°	508.2	508.4	517.4	526.7	540.2	551.4	541.9	523.5	517.9	513.7	504.7
45°	548.8	548.1	555.5	566.9	582.9	599.0	602.5	582.5	580.4	573.0	561.1
47.5°	576.0	575.0	580.1	595.0	621.0	647.3	661.7	655.6	651.7	648.7	630.1
50°	594.3	592.4	598.2	614.1	643.1	683.5	721.1	726.2	724.6	724.6	712.7
52.5°	608.0	608.0	612.2	625.0	654.5	704.9	772.2	798.0	800.1	802.4	801.8
55°	600.3	601.6	611.9	630.6	661.7	719.7	814.5	870.9	882.5	892.3	903.4
57.5°	574.1	578.0	592.0	622.4	663.5	730.9	861.3	973.1	1005.8	1034.2	1078.3
60°	535.8	540.9	561.1	599.9	649.8	712.7	877.9	1059.5	1111.5	1173.3	1288.5
62.5°	470.1	475.1	494.9	533.7	576.5	643.3	809.6	1072.2	1155.4	1243.0	1417.2
65°	333.1	324.9	347.7	382.5	431.5	496.3	654.2	986.5	1106.2	1224.9	1439.9
67.5°	185.6	184.9	198.8	224.8	271.7	341.5	450.8	756.7	866.7	1001.2	1265.3
70°	128.0	129.3	138.1	166.3	205.1	265.2	321.2	475.1	554.4	645.6	905.3
72.5°	89.8	92.8	97.8	114.5	154.2	223.4	328.2	284.0	323.5	385.8	544.4
75°	52.7	54.8	58.3	66.4	87.8	149.3	339.8	249.6	249.6	264.2	329.3
77.5°	32.5	32.5	34.6	37.8	46.6	73.2	242.0	280.5	272.6	264.2	265.0
80°	16.7	17.9	20.9	22.5	26.0	33.5	108.7	261.8	287.0	304.0	292.1
82.5°	7.7	8.6	12.7	13.7	15.1	17.6	37.4	148.9	199.5	262.7	328.2
85°	3.9	3.9	6.7	8.4	9.0	8.1	13.7	60.1	91.1	138.9	217.4
87.5°	0.7	0.7	1.1	1.3	2.1	1.9	2.3	3.5	5.8	6.3	6.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5
2.5°	217.6	217.8	217.6	217.4	216.9	216.9	216.9	216.7	216.7	216.7	216.5
5°	223.8	223.0	223.2	222.7	222.5	222.3	222.5	222.1	221.6	221.8	221.6
7.5°	231.8	231.3	230.4	230.4	230.2	229.7	229.7	229.0	228.8	228.3	228.1
10°	240.6	239.5	239.9	239.5	239.7	238.8	238.2	237.8	237.3	237.3	237.6
12.5°	249.6	249.4	248.7	248.3	248.3	247.6	247.8	247.6	246.8	246.6	245.9
15°	259.0	259.0	258.2	258.4	258.2	257.8	257.3	257.3	256.9	256.4	256.6
17.5°	269.8	269.8	269.8	269.8	270.1	269.4	269.6	269.2	268.7	269.6	269.6
20°	284.0	285.0	285.0	284.8	285.9	285.2	285.0	286.1	285.0	286.6	286.3
22.5°	300.3	301.2	301.2	302.2	302.4	303.1	303.5	303.1	304.0	305.0	305.0
25°	318.4	319.4	320.0	321.5	322.1	321.7	321.9	323.0	323.5	324.5	325.4
27.5°	337.4	337.7	338.7	340.2	341.5	341.9	342.1	343.9	344.1	344.7	345.6
30°	356.1	358.3	357.9	360.0	360.7	361.3	362.8	363.4	365.1	366.0	366.0
32.5°	377.8	377.4	379.3	380.9	382.1	383.2	384.4	385.3	386.2	386.7	389.0
35°	405.1	406.0	406.0	406.2	409.0	409.2	410.2	412.2	413.0	414.3	415.2
37.5°	432.0	430.4	430.2	430.2	429.2	429.8	430.2	430.4	431.3	431.5	432.4
40°	462.2	460.1	458.2	457.1	455.2	452.6	452.2	451.0	451.7	451.5	451.7
42.5°	503.5	497.7	493.3	490.1	486.3	483.5	481.5	478.4	476.4	473.8	473.3
45°	556.3	545.3	537.9	532.5	527.2	519.5	515.1	510.5	506.3	502.1	498.7
47.5°	625.4	613.8	602.0	592.2	583.8	571.6	559.0	552.0	543.9	536.7	531.6
50°	706.9	693.1	687.5	673.8	663.3	644.7	629.1	617.8	601.6	590.6	581.0
52.5°	790.4	786.8	783.8	772.2	759.9	749.2	735.5	715.5	699.1	686.5	667.0
55°	903.9	905.5	904.4	898.1	893.7	883.4	877.9	860.5	853.1	834.9	814.5
57.5°	1095.0	1108.1	1124.6	1131.0	1139.9	1131.5	1141.2	1153.1	1123.6	1133.8	1115.4
60°	1339.2	1398.9	1434.3	1478.0	1506.5	1546.5	1553.7	1564.1	1561.1	1566.9	1578.8
62.5°	1488.2	1559.1	1627.2	1676.6	1729.5	1758.8	1794.1	1818.8	1844.2	1861.5	1856.6
65°	1532.1	1605.1	1666.8	1720.9	1768.3	1804.0	1836.8	1867.7	1891.2	1907.7	1917.4
67.5°	1371.0	1466.1	1531.2	1594.6	1655.6	1693.3	1720.7	1750.7	1785.1	1813.6	1819.2
70°	1031.6	1174.5	1266.6	1342.6	1414.4	1465.0	1503.3	1531.2	1557.9	1578.3	1600.6
72.5°	645.2	770.2	875.5	974.0	1050.3	1119.9	1152.1	1214.0	1205.8	1221.3	1238.1
75°	386.7	447.6	505.6	575.0	615.0	673.1	683.5	693.7	688.4	671.0	683.9
77.5°	268.7	278.7	278.2	274.3	270.1	259.9	246.6	239.5	234.6	227.6	230.4
80°	270.4	248.7	215.8	181.3	149.8	128.9	120.5	120.5	129.1	141.5	153.8
82.5°	323.0	300.1	267.6	223.8	177.4	144.5	122.4	113.6	115.2	127.8	143.5
85°	217.8	223.0	195.5	178.9	141.7	110.4	92.4	75.0	66.4	68.5	77.6
87.5°	7.9	9.5	3.5	4.7	3.2	2.8	2.8	3.0	2.1	2.6	2.3
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5
2.5°	216.3	216.0	216.0	215.5	215.5	215.3	215.3	215.0	214.8	214.8	214.6
5°	221.3	221.1	220.6	220.4	219.9	219.9	219.7	219.3	219.3	218.8	218.5
7.5°	228.5	228.1	227.6	227.4	227.2	226.4	226.4	226.0	226.0	225.5	225.3
10°	237.1	236.7	236.2	236.5	235.8	235.5	235.0	235.0	234.3	234.1	234.1
12.5°	246.4	246.2	246.2	245.5	245.3	245.0	244.0	244.0	244.0	243.6	243.8
15°	256.4	256.6	256.0	256.6	256.4	255.8	255.8	255.8	254.8	256.0	255.0
17.5°	269.8	270.6	270.1	270.4	269.8	269.8	270.1	269.8	270.4	270.4	271.7
20°	286.6	286.8	288.0	287.6	287.6	287.3	287.8	288.0	288.9	288.5	289.3
22.5°	305.0	306.1	306.3	307.3	307.3	307.0	307.5	308.4	308.9	309.5	309.3
25°	325.8	326.5	327.5	326.3	328.2	328.2	328.6	329.7	330.1	330.1	331.6
27.5°	345.4	347.3	347.5	348.6	347.9	348.4	349.9	350.7	351.6	351.6	352.1
30°	367.5	368.1	368.6	369.9	369.7	369.9	370.2	371.4	371.4	372.5	373.7
32.5°	390.2	390.7	391.1	392.5	393.0	393.9	393.5	394.3	395.5	395.8	396.5
35°	417.3	417.8	418.2	420.4	420.6	422.2	422.7	422.2	424.0	422.9	424.0
37.5°	433.2	435.2	435.6	437.1	436.6	437.8	438.4	439.4	439.9	440.8	442.7
40°	452.4	453.2	454.5	455.2	456.2	456.4	457.3	458.0	458.7	460.7	462.9
42.5°	472.1	473.1	473.8	474.7	475.9	476.8	477.5	479.6	480.0	481.5	485.4
45°	496.1	495.6	495.9	496.1	496.6	497.7	499.8	501.9	503.3	506.5	509.7
47.5°	525.8	522.8	521.7	519.8	520.2	522.8	523.2	526.7	529.5	532.5	536.5
50°	570.9	562.7	557.8	553.0	552.5	553.9	555.8	559.5	562.7	566.6	572.2
52.5°	646.5	631.0	621.2	607.8	604.0	603.4	602.0	604.0	605.0	610.4	620.8
55°	799.9	771.1	752.4	731.6	712.0	706.2	695.1	697.4	695.1	698.3	713.9
57.5°	1119.9	1096.9	1078.8	1052.0	1018.7	983.1	974.3	937.8	945.0	965.9	952.4
60°	1584.6	1576.3	1563.2	1550.5	1504.8	1479.0	1436.9	1432.2	1402.8	1403.0	1383.7
62.5°	1844.8	1855.4	1847.5	1843.8	1841.2	1833.2	1812.2	1787.2	1749.5	1722.3	1682.4
65°	1919.1	1909.9	1901.3	1900.2	1899.5	1912.7	1915.8	1898.1	1864.0	1821.8	1775.8
67.5°	1832.4	1827.3	1827.8	1818.0	1824.0	1847.0	1863.1	1858.2	1826.8	1775.8	1717.2
70°	1626.2	1616.2	1626.4	1639.2	1648.3	1661.5	1677.5	1681.5	1652.8	1600.4	1540.7
72.5°	1217.6	1219.3	1229.0	1232.5	1269.0	1265.3	1279.7	1232.7	1212.1	1162.2	1131.5
75°	640.7	630.4	657.5	599.9	576.2	592.6	546.4	502.1	511.4	519.1	463.8
77.5°	226.4	211.8	186.9	177.0	147.3	124.8	102.0	92.0	86.6	83.8	80.3
80°	162.6	167.3	162.1	150.1	127.5	102.2	80.6	63.6	54.6	49.7	46.4
82.5°	164.5	182.8	190.9	187.5	166.9	126.3	83.4	53.2	39.5	33.0	30.7
85°	88.3	96.6	92.8	78.2	70.4	42.1	28.8	19.3	16.3	14.8	13.7
87.5°	3.5	2.8	2.3	2.3	2.6	2.8	2.3	2.6	2.3	2.3	2.3
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5
2.5°	214.1	214.1	214.1	213.9	213.5	212.2	211.1	210.2	209.5	208.8	207.9
5°	218.3	217.8	217.8	217.8	216.0	214.1	212.5	210.9	209.5	208.3	207.4
7.5°	225.3	225.1	224.1	223.8	222.5	219.5	217.6	214.8	213.2	211.6	211.1
10°	233.7	233.4	233.2	233.0	231.1	228.1	225.7	223.2	220.8	218.5	216.3
12.5°	243.4	243.2	242.9	242.3	241.6	239.9	237.3	234.6	231.8	226.9	224.4
15°	255.4	256.0	255.4	255.2	254.8	255.0	253.4	249.4	245.0	238.8	233.4
17.5°	271.5	271.0	270.8	271.7	271.5	272.6	272.2	267.0	260.3	250.4	241.0
20°	289.1	289.1	290.1	290.8	292.8	295.9	294.5	288.2	276.0	262.0	249.8
22.5°	310.3	310.8	311.7	311.2	314.5	319.4	319.8	311.0	294.9	275.6	258.8
25°	332.3	332.8	331.9	333.3	338.7	345.6	346.9	334.4	313.3	288.2	266.1
27.5°	353.3	353.7	353.7	355.5	360.7	372.5	373.9	360.0	331.9	299.2	271.5
30°	373.7	375.5	376.0	376.5	384.1	400.6	403.6	383.4	348.2	307.3	275.2
32.5°	399.5	400.2	401.0	402.3	411.1	431.3	431.3	403.6	358.5	312.3	276.0
35°	427.2	427.4	429.4	429.6	442.2	462.4	458.4	420.4	366.0	311.2	270.8
37.5°	443.8	444.8	446.8	449.6	462.9	491.4	482.4	434.7	367.5	303.5	259.2
40°	464.5	466.3	468.4	471.2	491.0	520.9	502.6	443.8	361.6	288.5	241.8
42.5°	486.7	489.3	492.6	497.7	521.1	546.9	517.9	445.2	348.4	271.5	221.1
45°	511.9	516.5	520.2	526.2	552.7	569.4	527.2	437.1	331.6	249.2	199.1
47.5°	540.9	544.7	551.1	557.6	584.1	584.8	528.1	421.2	308.9	226.9	175.5
50°	576.7	579.0	588.7	592.6	617.5	600.8	521.3	399.9	285.0	201.9	149.5
52.5°	624.2	627.6	640.1	646.1	663.7	622.7	511.9	376.7	257.5	173.7	122.9
55°	718.3	732.5	741.3	751.8	763.1	672.1	507.7	351.8	226.6	141.2	97.3
57.5°	982.4	977.7	997.3	1020.9	1020.7	785.2	532.7	330.5	190.3	108.0	74.8
60°	1375.9	1380.2	1370.3	1384.5	1339.4	925.5	567.2	308.0	149.1	80.3	57.1
62.5°	1668.2	1642.7	1628.5	1611.8	1512.6	940.8	542.1	261.8	108.5	56.5	43.9
65°	1737.4	1707.5	1677.0	1645.2	1495.6	848.2	444.8	192.0	70.2	38.8	34.8
67.5°	1669.1	1621.0	1582.3	1549.5	1370.5	703.0	325.2	118.0	40.2	31.4	29.7
70°	1492.1	1439.0	1376.3	1339.6	1154.0	518.1	208.3	63.6	30.9	27.9	27.2
72.5°	1092.2	1048.6	980.1	938.0	828.6	314.9	116.4	35.8	28.8	26.7	25.8
75°	425.5	402.7	374.2	376.5	336.1	139.4	52.7	30.9	28.1	26.2	25.3
77.5°	73.2	71.3	65.9	65.9	75.0	50.9	35.0	31.1	27.9	25.8	24.1
80°	43.9	43.0	40.8	40.4	39.1	35.8	33.7	31.6	27.4	24.4	22.3
82.5°	28.8	27.7	26.9	26.7	29.0	31.4	31.6	31.4	26.0	21.1	18.1
85°	12.3	12.3	12.3	12.5	16.7	25.3	26.0	27.9	21.3	16.5	13.1
87.5°	2.1	2.6	2.6	2.8	3.0	5.6	6.9	9.0	7.2	6.9	6.3
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):

	165°	175°	180°
0°	213.5	213.5	213.5
2.5°	207.7	207.2	207.2
5°	206.9	206.4	206.7
7.5°	209.7	208.8	209.0
10°	214.8	213.9	213.5
12.5°	221.3	220.2	220.2
15°	228.1	225.3	225.1
17.5°	233.7	230.2	229.7
20°	239.9	235.2	234.6
22.5°	245.7	239.5	238.5
25°	249.8	242.3	241.0
27.5°	251.7	242.7	241.8
30°	253.2	242.9	241.6
32.5°	251.7	240.8	239.7
35°	244.0	232.2	231.5
37.5°	230.9	217.6	216.7
40°	213.5	199.5	197.2
42.5°	191.1	178.1	175.5
45°	169.5	154.7	153.5
47.5°	146.3	132.1	132.8
50°	122.0	109.1	108.9
52.5°	98.7	87.6	86.8
55°	77.8	69.9	69.2
57.5°	61.6	57.4	56.7
60°	50.2	48.1	47.4
62.5°	40.4	39.7	39.5
65°	33.7	33.7	33.7
67.5°	29.2	29.5	29.5
70°	26.9	27.2	26.9
72.5°	26.0	26.7	26.7
75°	25.3	25.8	24.9
77.5°	24.9	25.1	23.4
80°	24.7	24.4	21.3
82.5°	21.3	20.6	18.1
85°	19.5	14.8	12.5
87.5°	9.9	6.9	5.4
90°	0.0	0.0	0.0

(END OF REPORT)