

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: P154768

Luminaire Tested: **AVS-E01-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154768
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-E01-LED-E-U-T2-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2585.9 lumens
Efficiency: N/A
Efficacy: 104.7 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): 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



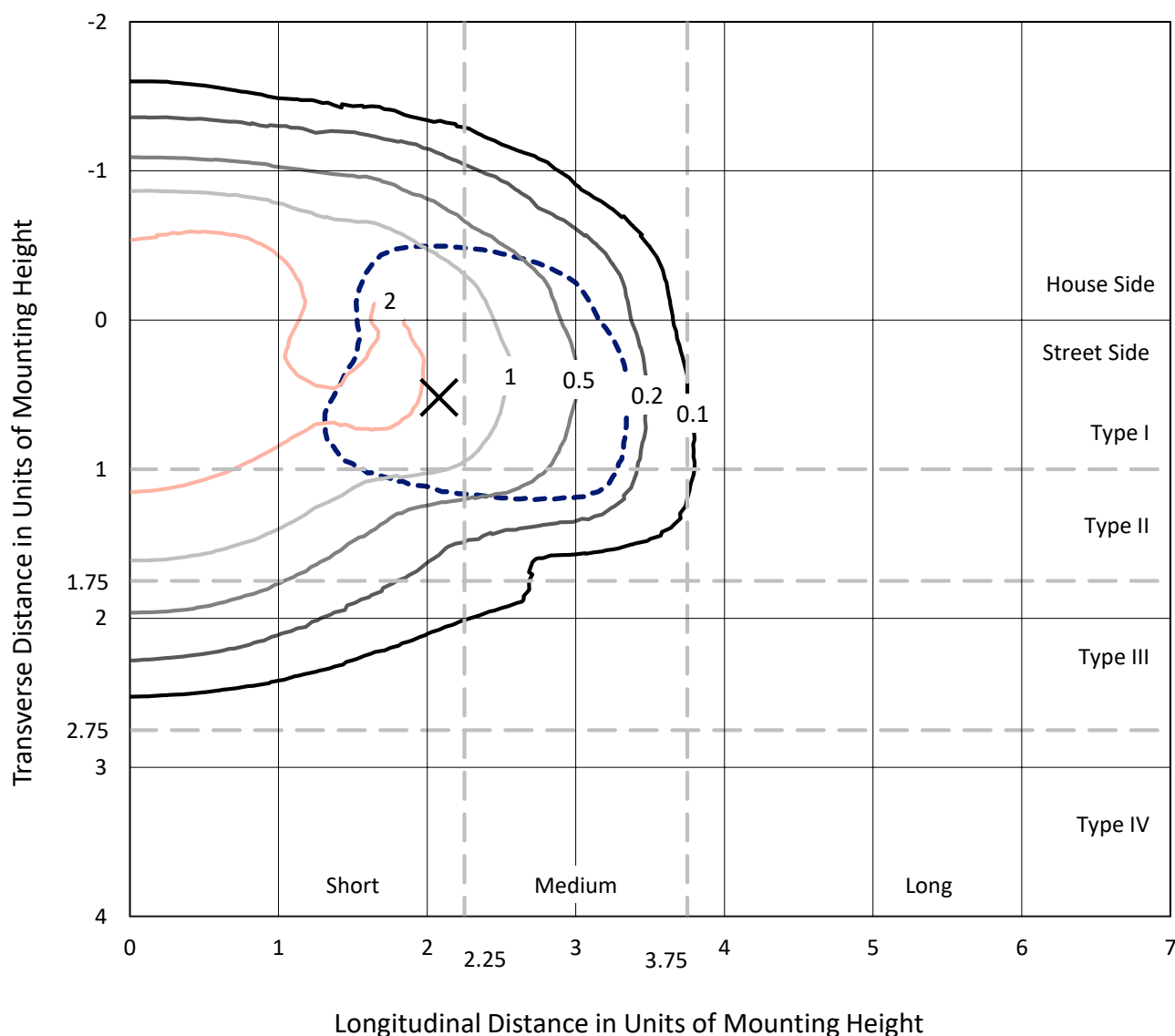
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

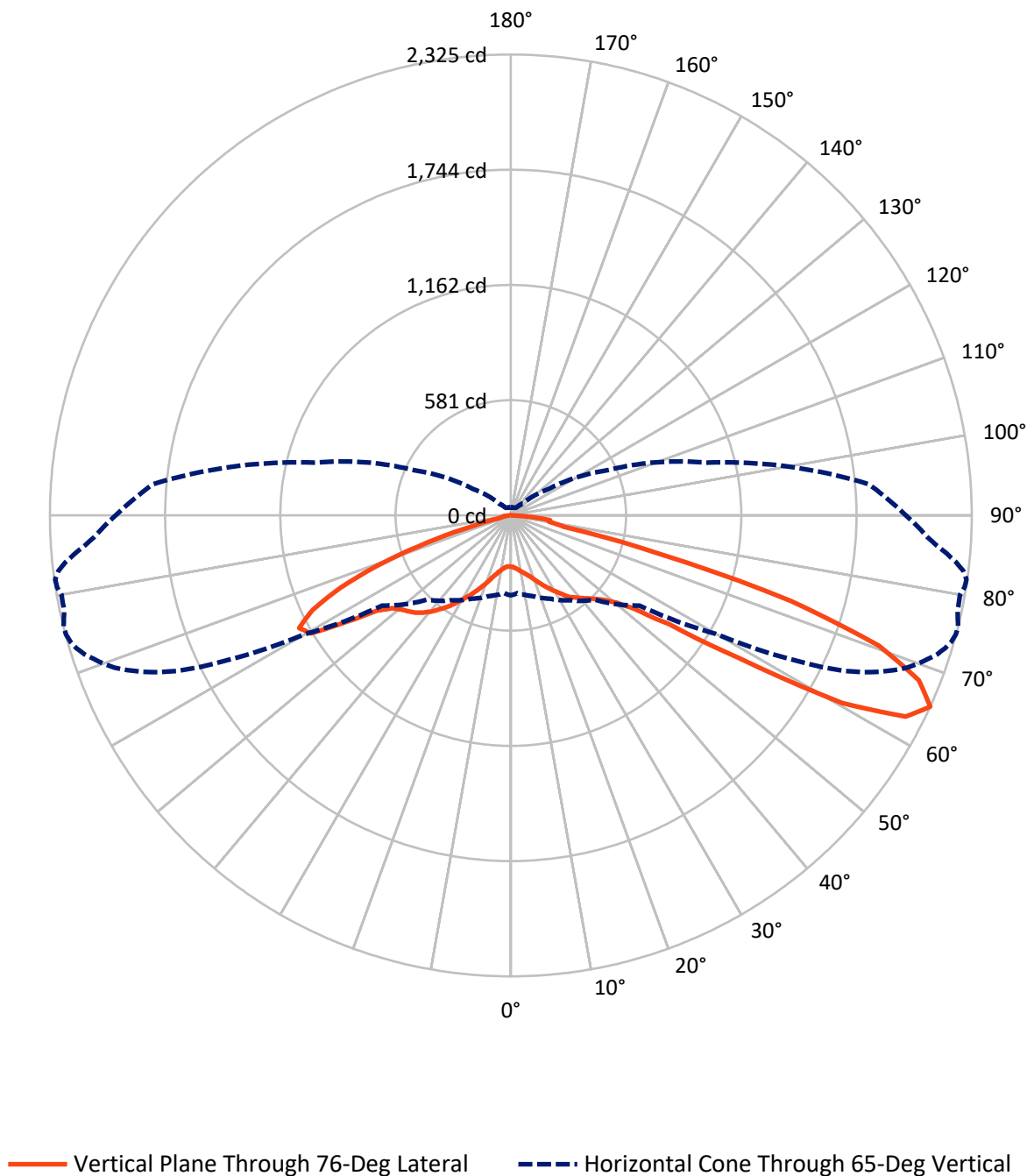


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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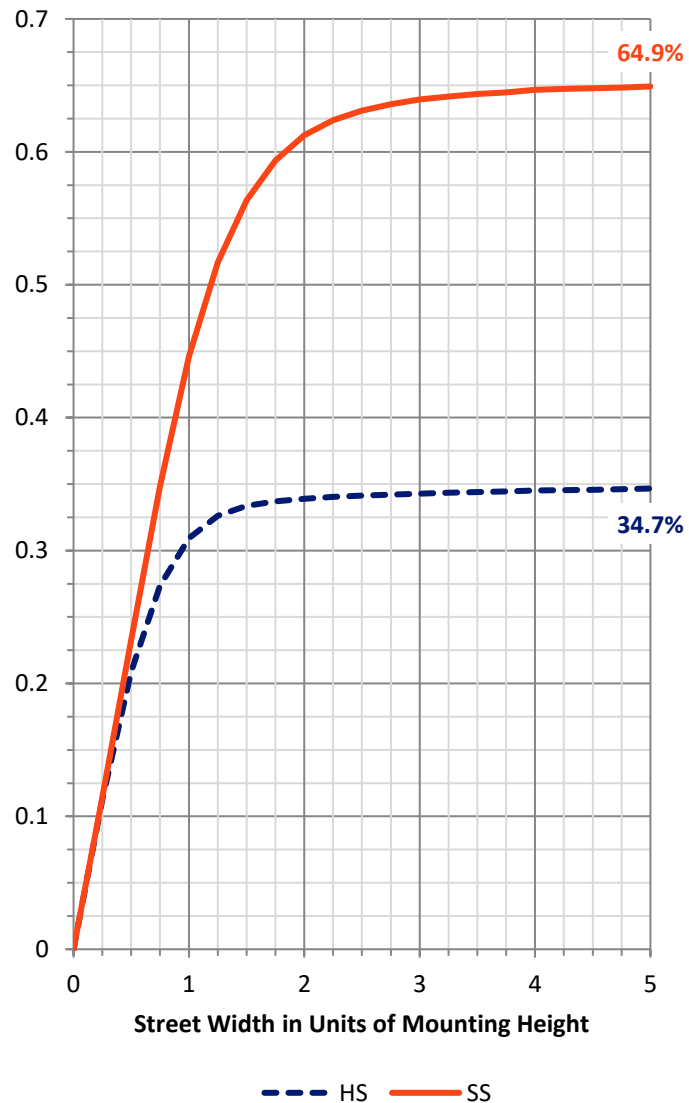
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	905.5	0.0	905.5
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1680.4	0.0	1680.4
	% Fixture	65.0	0.0	65.0
Total	Lumens	2585.9	0.0	2585.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	1.0
10°-20°	88.9	3.4
20°-30°	174.7	6.8
30°-40°	290.3	11.2
40°-50°	426.5	16.5
50°-60°	590.5	22.8
60°-70°	704.9	27.3
70°-80°	249.3	9.6
80°-90°	34.8	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°	2585.9	100.0
0°-180°	2585.9	100.0

Coefficient of Utilization



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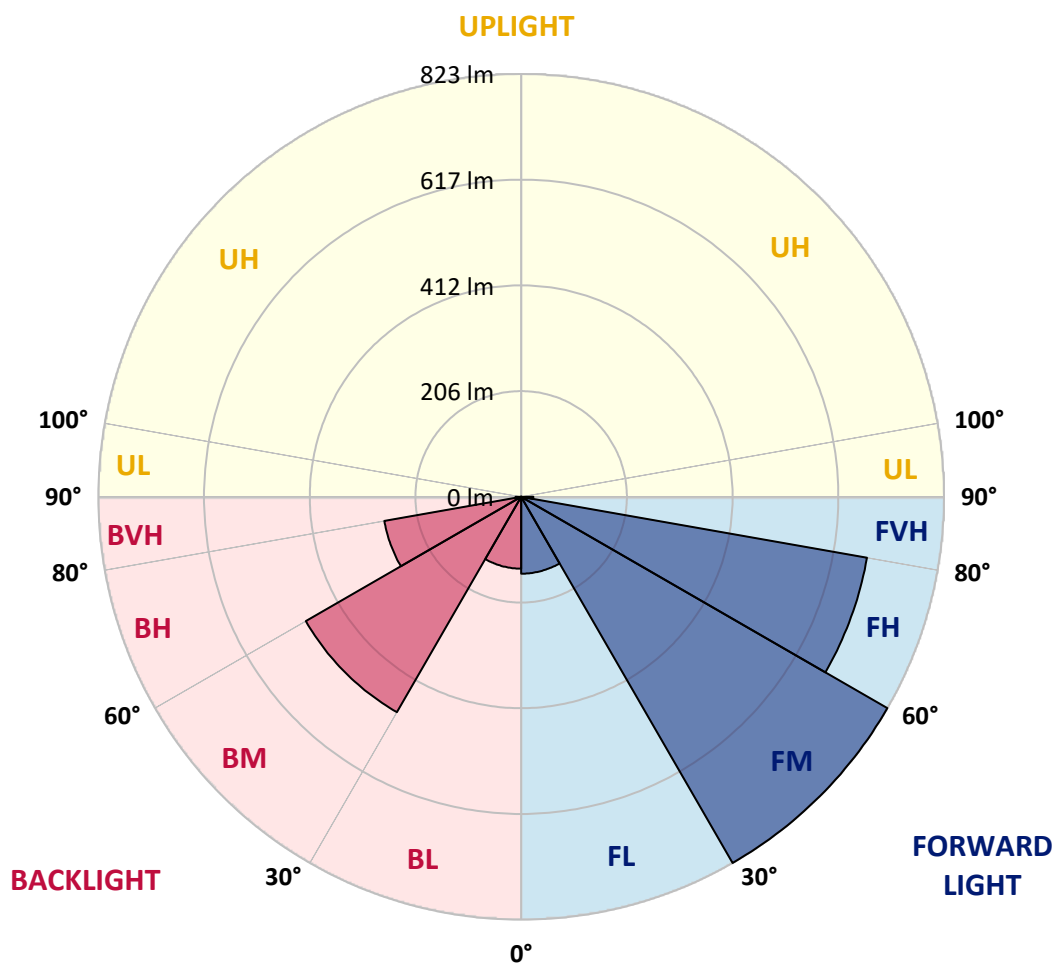
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.6	5.8			
FM	(30°-60°)	823.3	31.8			
FH	(60°-80°)	683.7	26.4			G1/1800
FVH	(80°-90°)	23.8	0.9			G1/100
BL	(0°-30°)	139.9	5.4	B1/500		
BM	(30°-60°)	484.1	18.7	B1/1000		
BH	(60°-80°)	270.5	10.5	B1/500		G1/500
BVH	(80°-90°)	11.0	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°	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5
2.5°	269.8	270.1	269.5	269.2	268.4	266.9	265.9	264.8	264.8	264.8	263.9
5°	281.7	282.2	281.0	280.2	277.7	276.3	274.3	272.8	272.3	272.0	271.2
7.5°	296.5	295.6	294.0	293.5	291.5	288.4	284.7	281.9	281.9	281.7	281.9
10°	311.4	309.2	308.3	307.5	304.4	300.4	296.3	293.2	292.8	292.5	291.7
12.5°	326.3	325.5	324.7	321.6	318.4	312.2	307.5	304.4	304.1	304.4	303.3
15°	346.0	344.0	343.2	337.9	331.1	324.4	318.4	315.6	314.8	315.1	314.2
17.5°	361.2	361.2	359.3	353.4	344.7	335.3	329.1	327.5	327.2	327.2	327.5
20°	373.4	373.1	371.1	366.3	355.9	346.6	343.5	342.9	342.7	342.7	343.5
22.5°	380.1	379.5	378.7	373.4	365.2	359.0	359.3	360.9	361.6	362.1	363.2
25°	383.4	382.6	382.3	378.7	372.7	371.9	377.0	381.5	382.6	383.7	385.2
27.5°	389.1	387.7	388.2	386.8	385.4	388.0	398.3	403.1	404.0	405.4	406.2
30°	404.6	404.0	406.2	406.8	408.0	411.6	421.1	425.7	427.7	427.7	431.6
32.5°	434.1	434.4	434.9	440.8	442.8	445.4	450.4	454.1	454.3	454.6	458.2
35°	473.8	475.4	480.2	485.3	490.1	489.8	486.7	488.7	487.3	488.9	489.2
37.5°	523.8	521.6	528.6	540.1	547.5	545.5	531.7	522.7	525.3	524.1	523.3
40°	562.4	564.9	578.4	593.6	599.3	605.4	587.5	571.9	569.7	565.5	562.9
42.5°	615.5	615.9	626.8	638.0	654.4	667.9	656.4	634.1	627.4	622.3	611.3
45°	664.8	663.9	673.0	686.7	706.1	725.6	729.7	705.6	703.0	694.1	679.7
47.5°	697.7	696.6	702.8	720.7	752.2	784.0	801.6	794.2	789.4	785.8	763.2
50°	719.9	717.7	724.7	743.8	779.0	828.0	873.6	879.7	877.7	877.7	863.4
52.5°	736.5	736.5	741.6	757.1	792.7	853.9	935.4	966.6	969.2	972.0	971.2
55°	727.3	728.6	741.3	763.8	801.6	871.8	986.6	1055.0	1069.0	1080.8	1094.4
57.5°	695.4	700.2	717.1	754.0	803.7	885.4	1043.4	1178.8	1218.4	1252.7	1306.2
60°	649.0	655.2	679.7	726.6	787.2	863.4	1063.4	1283.4	1346.4	1421.2	1560.8
62.5°	569.4	575.6	599.5	646.5	698.2	779.3	980.7	1298.9	1399.6	1505.7	1716.7
65°	403.4	393.6	421.1	463.3	522.7	601.2	792.5	1195.1	1340.0	1483.7	1744.2
67.5°	224.8	223.9	240.8	272.3	329.1	413.6	546.0	916.6	1049.9	1212.8	1532.6
70°	155.0	156.7	167.4	201.5	248.4	321.2	389.1	575.6	671.5	782.1	1096.6
72.5°	108.9	112.5	118.4	138.7	186.8	270.7	397.5	344.0	391.9	467.3	659.5
75°	63.8	66.4	70.6	80.4	106.3	180.9	411.6	302.4	302.4	320.1	399.0
77.5°	39.4	39.4	42.0	45.9	56.6	88.6	293.2	339.9	330.3	320.1	321.0
80°	20.2	21.7	25.3	27.3	31.5	40.5	131.7	317.1	347.8	368.3	353.9
82.5°	9.3	10.4	15.4	16.6	18.2	21.3	45.3	180.3	241.7	318.1	397.5
85°	4.8	4.8	8.2	10.2	11.0	9.8	16.6	72.8	110.3	168.2	263.3
87.5°	0.8	0.8	1.5	1.7	2.5	2.3	2.8	4.2	7.0	7.6	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°	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5
2.5°	263.6	263.9	263.6	263.3	262.8	262.8	262.8	262.5	262.5	262.5	262.2
5°	271.2	270.1	270.4	269.8	269.5	269.2	269.5	268.9	268.4	268.7	268.4
7.5°	280.7	280.2	279.1	279.1	278.8	278.2	278.2	277.4	277.1	276.6	276.3
10°	291.5	290.1	290.6	290.1	290.4	289.2	288.6	288.1	287.6	287.6	287.8
12.5°	302.4	302.2	301.3	300.7	300.7	299.9	300.2	299.9	299.1	298.8	297.9
15°	313.7	313.7	312.8	313.2	312.8	312.2	311.7	311.7	311.2	310.6	310.9
17.5°	326.9	326.9	326.9	326.9	327.2	326.3	326.6	326.0	325.5	326.6	326.6
20°	344.0	345.2	345.2	344.9	346.3	345.5	345.2	346.6	345.2	347.2	346.8
22.5°	363.7	364.9	364.9	366.0	366.3	367.2	367.7	367.2	368.3	369.4	369.4
25°	385.7	386.8	387.7	389.3	390.2	389.6	389.9	391.3	391.9	393.1	394.1
27.5°	408.8	409.0	410.2	412.1	413.6	414.1	414.4	416.7	416.9	417.5	418.7
30°	431.3	434.1	433.6	436.1	436.9	437.7	439.5	440.3	442.3	443.4	443.4
32.5°	457.7	457.2	459.4	461.3	462.8	464.1	465.6	466.7	467.9	468.4	471.2
35°	490.7	491.8	491.8	492.0	495.4	495.8	496.8	499.4	500.2	501.9	503.0
37.5°	523.3	521.3	521.0	521.0	519.9	520.7	521.0	521.3	522.4	522.7	523.8
40°	559.9	557.3	555.0	553.7	551.4	548.3	547.8	546.3	547.2	546.9	547.2
42.5°	609.9	602.9	597.5	593.6	589.1	585.7	583.2	579.6	577.0	573.9	573.4
45°	673.8	660.5	651.6	645.1	638.7	629.3	624.0	618.3	613.3	608.2	604.0
47.5°	757.6	743.5	729.2	717.4	707.3	692.3	677.2	668.7	658.9	650.2	643.9
50°	856.4	839.5	832.7	816.2	803.5	780.9	762.1	748.3	728.6	715.4	703.9
52.5°	957.4	953.2	949.5	935.4	920.5	907.6	891.0	866.7	846.8	831.6	808.0
55°	1094.9	1096.9	1095.5	1087.9	1082.6	1070.2	1063.4	1042.3	1033.4	1011.4	986.6
57.5°	1326.4	1342.2	1362.2	1370.1	1380.7	1370.7	1382.5	1396.8	1361.0	1373.5	1351.2
60°	1622.2	1694.4	1737.5	1790.4	1825.0	1873.4	1882.1	1894.7	1891.1	1898.1	1912.4
62.5°	1802.8	1888.6	1971.0	2030.9	2095.0	2130.5	2173.3	2203.1	2234.1	2254.8	2248.9
65°	1856.0	1944.2	2019.1	2084.7	2142.1	2185.4	2225.1	2262.5	2290.9	2310.9	2322.7
67.5°	1660.7	1776.1	1854.8	1931.6	2005.6	2051.2	2084.4	2120.6	2162.3	2196.9	2203.6
70°	1249.6	1422.7	1534.4	1626.3	1713.3	1774.6	1821.0	1854.8	1887.2	1911.9	1939.0
72.5°	781.6	932.8	1060.6	1179.9	1272.1	1356.6	1395.6	1470.5	1460.6	1479.5	1499.8
75°	468.4	542.1	612.4	696.6	745.0	815.3	828.0	840.3	833.9	812.7	828.5
77.5°	325.5	337.6	337.0	332.2	327.2	314.8	298.8	290.1	284.1	275.8	279.1
80°	327.5	301.3	261.3	219.7	181.5	156.2	146.0	146.0	156.4	171.3	186.2
82.5°	391.3	363.5	324.0	271.2	214.9	175.0	148.3	137.6	139.6	154.7	173.9
85°	263.9	270.1	236.9	216.6	171.6	133.7	112.0	90.9	80.4	83.0	94.0
87.5°	9.5	11.5	4.2	5.6	3.9	3.4	3.4	3.6	2.5	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°	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5
2.5°	262.0	261.7	261.7	261.0	261.0	260.8	260.8	260.5	260.2	260.2	260.0
5°	268.1	267.9	267.3	266.9	266.4	266.4	266.1	265.6	265.6	265.0	264.8
7.5°	276.8	276.3	275.8	275.4	275.1	274.3	274.3	273.8	273.8	273.2	272.8
10°	287.3	286.6	286.1	286.4	285.6	285.3	284.7	284.7	283.8	283.6	283.6
12.5°	298.4	298.2	298.2	297.4	297.1	296.8	295.6	295.6	295.6	295.1	295.4
15°	310.6	310.9	310.1	310.9	310.6	309.7	309.7	309.7	308.6	310.1	308.9
17.5°	326.9	327.8	327.2	327.5	326.9	326.9	327.2	326.9	327.5	327.5	329.1
20°	347.2	347.5	348.8	348.3	348.3	348.0	348.6	348.8	349.9	349.4	350.6
22.5°	369.4	370.8	371.1	372.2	372.2	371.9	372.4	373.6	374.2	375.0	374.7
25°	394.7	395.5	396.7	395.2	397.5	397.5	398.0	399.5	399.8	399.8	401.8
27.5°	418.3	420.6	420.8	422.3	421.5	422.0	423.9	424.8	425.9	425.9	426.5
30°	445.1	445.9	446.4	448.2	447.9	448.2	448.4	449.8	449.8	451.3	452.6
32.5°	472.6	473.2	473.8	475.4	476.1	477.1	476.6	477.7	479.1	479.4	480.2
35°	505.6	506.1	506.6	509.2	509.5	511.5	512.0	511.5	513.7	512.3	513.7
37.5°	524.7	527.3	527.8	529.4	528.9	530.3	531.2	532.2	532.8	534.0	536.2
40°	548.1	548.9	550.6	551.4	552.5	552.8	554.0	554.8	555.6	558.1	560.7
42.5°	571.9	573.1	573.9	575.0	576.5	577.6	578.4	580.9	581.6	583.2	588.0
45°	600.9	600.3	600.6	600.9	601.5	602.9	605.4	608.0	609.6	613.6	617.5
47.5°	636.9	633.3	631.9	629.6	630.2	633.3	633.9	638.0	641.5	645.1	649.8
50°	691.5	681.7	675.8	669.8	669.3	671.0	673.3	677.7	681.7	686.4	693.2
52.5°	783.2	764.4	752.5	736.3	731.7	730.9	729.2	731.7	732.8	739.4	752.0
55°	968.9	934.0	911.5	886.2	862.6	855.5	842.1	844.9	842.1	846.0	864.8
57.5°	1356.6	1328.7	1306.7	1274.4	1233.9	1190.9	1180.2	1136.1	1144.8	1170.1	1153.8
60°	1919.5	1909.4	1893.7	1878.1	1822.7	1791.5	1740.6	1734.9	1699.3	1699.5	1676.2
62.5°	2234.6	2247.6	2238.0	2233.5	2230.4	2220.5	2195.2	2164.9	2119.3	2086.3	2037.9
65°	2324.7	2313.7	2303.2	2301.9	2301.0	2317.0	2320.7	2299.3	2257.9	2206.7	2151.1
67.5°	2219.7	2213.5	2214.1	2202.3	2209.5	2237.4	2256.8	2250.9	2213.0	2151.1	2080.2
70°	1969.8	1957.8	1970.2	1985.6	1996.6	2012.6	2032.0	2036.8	2002.2	1938.7	1866.3
72.5°	1475.0	1477.0	1488.8	1493.1	1537.2	1532.6	1550.2	1493.3	1468.3	1407.8	1370.7
75°	776.2	763.5	796.5	726.6	698.0	717.9	662.0	608.2	619.5	628.8	561.9
77.5°	274.3	256.6	226.4	214.4	178.3	151.1	123.5	111.4	105.0	101.6	97.3
80°	196.9	202.6	196.4	181.8	154.4	123.8	97.6	77.1	66.1	60.2	56.3
82.5°	199.2	221.5	231.3	227.0	202.3	153.1	101.0	64.5	47.9	40.0	37.1
85°	106.9	117.0	112.5	94.8	85.3	50.9	34.9	23.3	19.7	18.0	16.6
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°	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5	258.5
2.5°	259.4	259.4	259.4	259.1	258.5	257.1	255.8	254.6	253.8	253.0	251.8
5°	264.5	263.9	263.9	263.9	261.7	259.4	257.4	255.4	253.8	252.3	251.2
7.5°	272.8	272.6	271.5	271.2	269.5	265.9	263.6	260.2	258.2	256.3	255.8
10°	283.0	282.7	282.5	282.2	279.9	276.3	273.5	270.4	267.6	264.8	262.0
12.5°	294.8	294.5	294.3	293.5	292.5	290.6	287.6	284.1	280.7	274.8	271.8
15°	309.4	310.1	309.4	309.2	308.6	308.9	306.9	302.2	296.8	289.2	282.7
17.5°	328.9	328.3	328.1	329.1	328.9	330.3	329.7	323.5	315.3	303.3	292.0
20°	350.3	350.3	351.4	352.2	354.7	358.4	356.7	349.1	334.2	317.3	302.7
22.5°	375.9	376.4	377.5	377.0	380.9	386.8	387.4	376.7	357.3	334.0	313.4
25°	402.6	403.1	402.1	403.7	410.2	418.7	420.3	405.1	379.5	349.1	322.4
27.5°	427.9	428.5	428.5	430.7	436.9	451.3	453.0	436.1	402.1	362.4	328.9
30°	452.6	454.9	455.4	456.1	465.3	485.3	488.9	464.5	421.8	372.2	333.4
32.5°	483.9	484.8	485.9	487.3	497.9	522.4	522.4	488.9	434.4	378.3	334.2
35°	517.4	517.6	520.2	520.4	535.6	560.1	555.3	509.2	443.4	377.0	328.1
37.5°	537.6	538.8	541.2	544.7	560.7	595.3	584.4	526.6	445.1	367.7	314.0
40°	562.7	564.9	567.5	570.8	594.7	631.0	608.8	537.6	438.0	349.4	292.8
42.5°	589.6	592.7	596.7	602.9	631.3	662.5	627.4	539.3	422.0	328.9	267.9
45°	620.1	625.7	630.2	637.5	669.5	689.8	638.7	529.4	401.8	301.9	241.1
47.5°	655.2	659.7	667.6	675.4	707.6	708.4	639.8	510.4	374.2	274.8	212.6
50°	698.5	701.3	713.2	717.9	748.1	727.8	631.6	484.5	345.2	244.5	181.1
52.5°	756.2	760.1	775.3	782.7	804.0	754.2	620.1	456.3	312.0	210.5	148.8
55°	870.2	887.4	898.0	910.7	924.5	814.2	615.0	426.2	274.6	171.1	117.9
57.5°	1190.1	1184.4	1208.1	1236.7	1236.5	951.2	645.4	400.3	230.4	130.8	90.6
60°	1666.6	1671.9	1659.9	1677.0	1622.4	1121.1	687.0	373.1	180.6	97.3	69.2
62.5°	2020.8	1989.8	1972.6	1952.4	1832.3	1139.7	656.6	317.1	131.4	68.4	53.2
65°	2104.7	2068.3	2031.5	1993.0	1811.8	1027.5	538.8	232.6	85.0	46.9	42.2
67.5°	2022.0	1963.7	1916.7	1877.0	1660.1	851.6	393.9	142.9	48.7	38.0	36.0
70°	1807.6	1743.1	1667.2	1622.7	1397.9	627.7	252.3	77.1	37.4	33.8	33.0
72.5°	1323.1	1270.2	1187.3	1136.3	1003.8	381.5	140.9	43.3	34.9	32.3	31.2
75°	515.4	487.9	453.3	456.1	407.0	168.8	63.8	37.4	34.0	31.8	30.7
77.5°	88.6	86.3	79.9	79.9	90.9	61.7	42.5	37.7	33.8	31.2	29.2
80°	53.2	52.0	49.5	48.9	47.3	43.3	40.8	38.2	33.2	29.5	27.0
82.5°	34.9	33.5	32.6	32.3	35.1	38.0	38.2	38.0	31.5	25.6	22.0
85°	14.9	14.9	14.9	15.2	20.2	30.7	31.5	33.8	25.9	20.0	15.8
87.5°	2.5	3.1	3.1	3.4	3.6	6.7	8.4	11.0	8.7	8.4	7.6
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):

	165°	175°	180°
0°	258.5	258.5	258.5
2.5°	251.5	251.0	251.0
5°	250.7	250.1	250.4
7.5°	254.0	253.0	253.2
10°	260.2	259.1	258.5
12.5°	268.1	266.7	266.7
15°	276.3	272.8	272.6
17.5°	283.0	278.8	278.2
20°	290.6	285.0	284.1
22.5°	297.6	290.1	288.9
25°	302.7	293.5	292.0
27.5°	305.0	294.0	292.8
30°	306.6	294.3	292.5
32.5°	305.0	291.7	290.4
35°	295.6	281.3	280.5
37.5°	279.7	263.6	262.5
40°	258.5	241.7	238.9
42.5°	231.5	215.8	212.6
45°	205.4	187.4	186.0
47.5°	177.2	160.1	160.9
50°	147.7	132.2	131.9
52.5°	119.6	106.0	105.2
55°	94.2	84.7	83.8
57.5°	74.5	69.5	68.6
60°	60.7	58.2	57.4
62.5°	48.9	48.1	47.9
65°	40.8	40.8	40.8
67.5°	35.4	35.8	35.8
70°	32.6	33.0	32.6
72.5°	31.5	32.3	32.3
75°	30.7	31.2	30.1
77.5°	30.1	30.4	28.4
80°	29.8	29.5	25.9
82.5°	25.9	25.1	22.0
85°	23.6	18.0	15.2
87.5°	12.1	8.4	6.4
90°	0.0	0.0	0.0

(END OF REPORT)