

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: INVUE

Report Number: P150475

Luminaire Tested: **VXS-F05-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150475
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F05-LED-E1-SL3-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7156.5 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 133.3
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: 25 FT



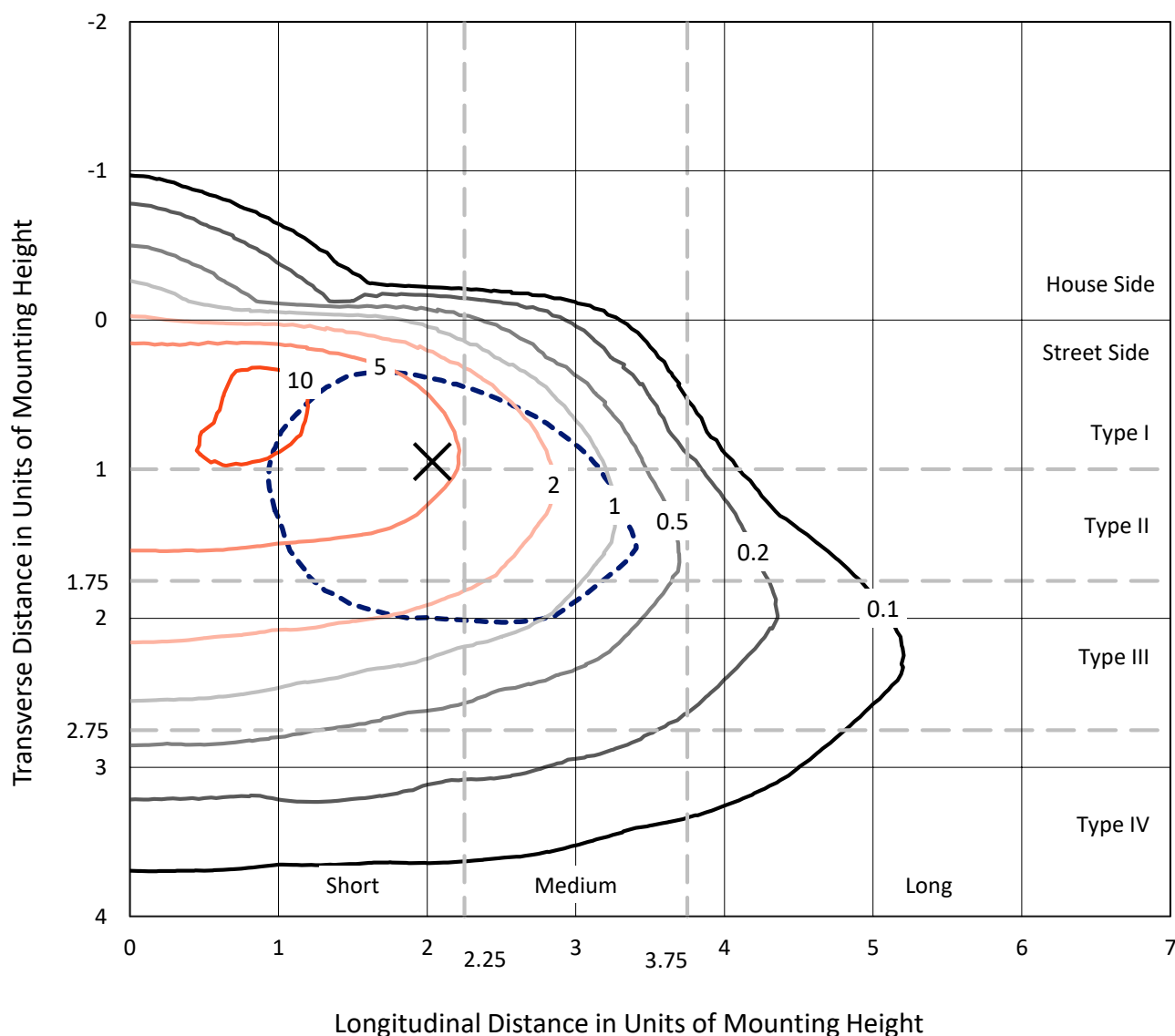
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

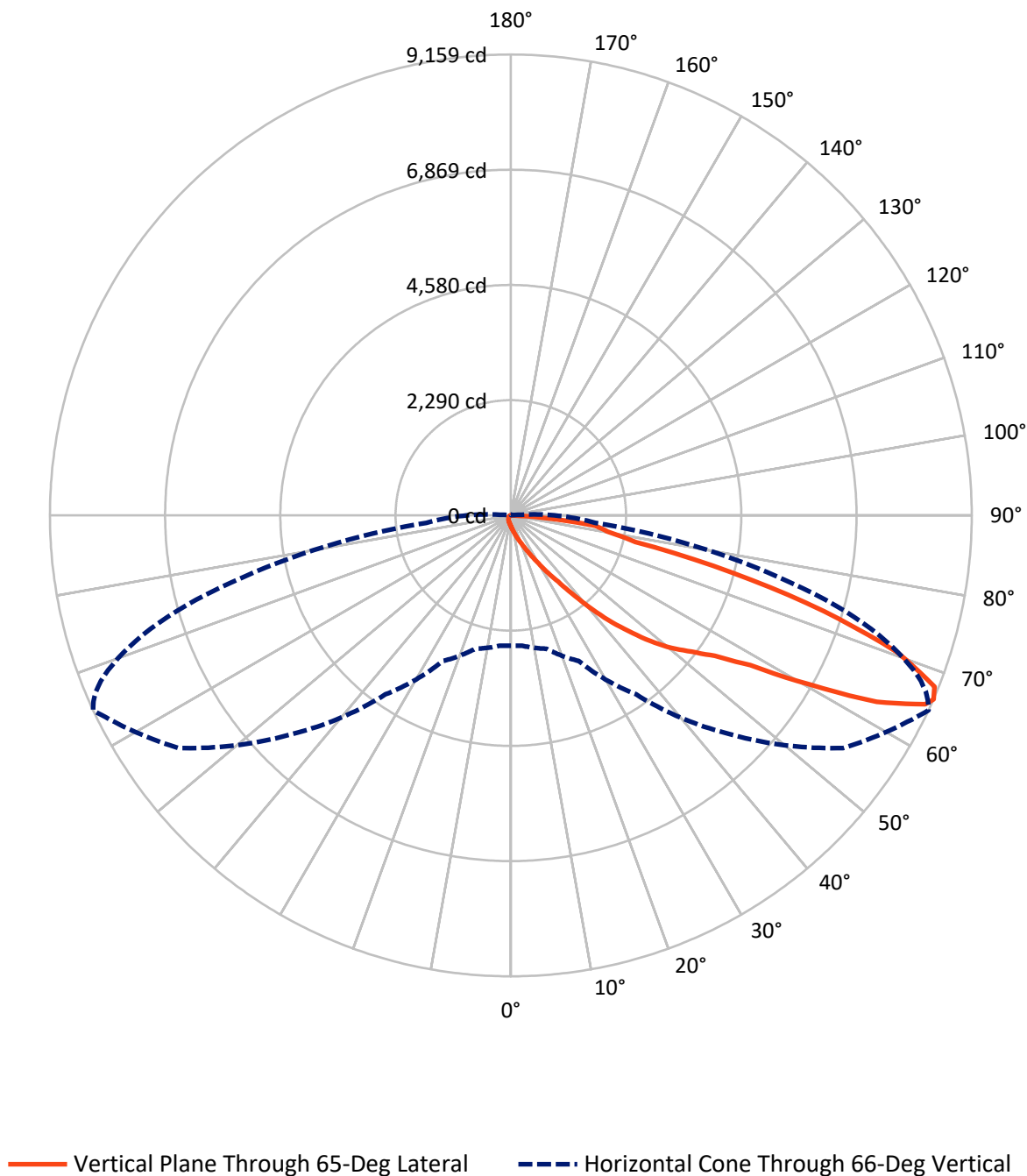


Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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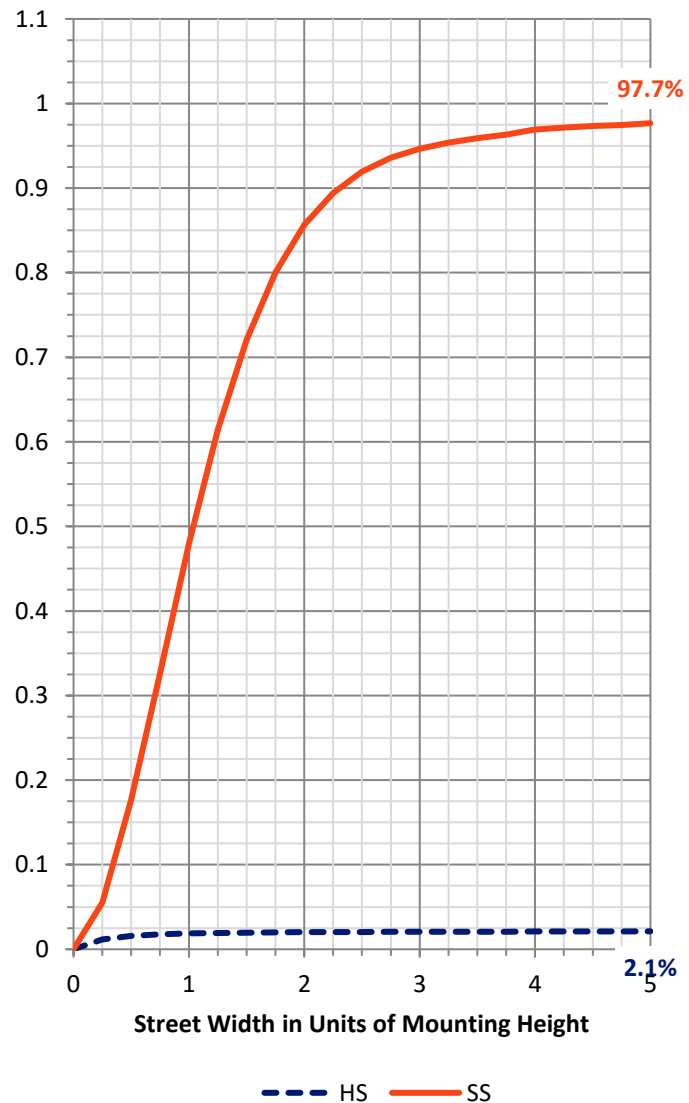
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.1	0.0	155.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	7001.5	0.0	7001.5
	% Fixture	97.8	0.0	97.8
Total	Lumens	7156.5	0.0	7156.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	0.3
10°-20°	102.5	1.4
20°-30°	221.1	3.1
30°-40°	472.3	6.6
40°-50°	1044.4	14.6
50°-60°	1770.0	24.7
60°-70°	2361.8	33.0
70°-80°	1040.4	14.5
80°-90°	119.8	1.7
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°	7156.5	100.0
0°-180°	7156.5	100.0

Coefficient of Utilization



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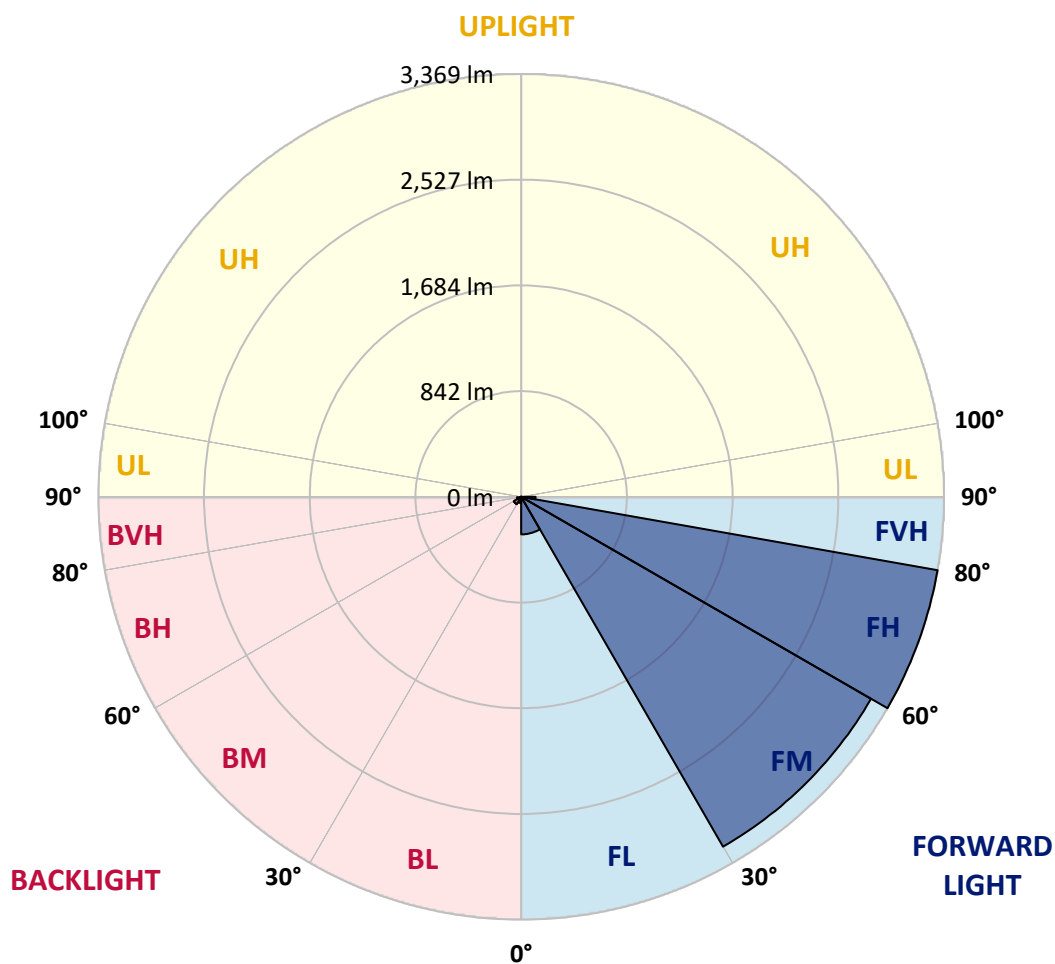
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.9	4.2			
FM	(30°-60°)	3218.5	45.0			
FH	(60°-80°)	3369.0	47.1			G2/5000
FVH	(80°-90°)	115.1	1.6			G2/225
BL	(0°-30°)	48.9	0.7	B0/110		
BM	(30°-60°)	68.1	1.0	B0/220		
BH	(60°-80°)	33.3	0.5	B0/110		G0/110
BVH	(80°-90°)	4.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1
2.5°	272.4	271.1	265.5	265.5	257.3	251.8	244.9	238.0	238.0	236.7	235.2
5°	360.5	352.2	350.9	335.8	323.3	305.5	288.9	266.9	264.1	261.5	260.0
7.5°	458.1	456.8	444.5	426.5	401.8	368.7	335.8	299.9	294.4	291.7	286.2
10°	584.8	577.8	561.3	531.1	494.0	449.9	396.3	339.8	333.0	327.5	324.7
12.5°	705.8	693.5	683.8	645.3	598.5	533.9	469.2	388.0	382.5	375.6	364.6
15°	818.7	807.7	791.1	758.1	705.8	624.7	549.0	449.9	436.2	426.5	418.2
17.5°	906.7	899.8	880.5	843.4	787.0	715.4	624.7	513.2	502.2	489.8	474.7
20°	990.7	981.0	950.8	899.8	839.3	784.2	714.1	595.8	580.6	565.5	549.0
22.5°	1070.5	1060.8	1011.3	927.4	862.7	839.3	814.5	689.3	665.9	653.6	637.0
25°	1181.9	1161.2	1084.1	950.8	864.0	882.0	924.6	810.4	788.4	770.5	744.4
27.5°	1331.8	1304.4	1183.2	985.1	869.5	928.7	1051.2	957.6	934.2	913.6	884.7
30°	1501.0	1483.2	1338.8	1067.7	909.4	997.5	1192.8	1144.8	1117.2	1092.4	1058.0
32.5°	1671.7	1646.9	1503.8	1224.6	1016.8	1131.0	1370.4	1362.1	1326.3	1303.0	1265.8
35°	1821.7	1809.3	1703.3	1481.9	1261.7	1364.9	1607.0	1616.7	1585.0	1560.2	1519.0
37.5°	1923.5	1923.5	1902.8	1758.3	1651.1	1728.1	1955.1	1956.5	1924.9	1868.4	1847.8
40°	1975.8	1990.9	2065.2	2092.7	2087.3	2186.2	2411.9	2387.2	2361.0	2332.1	2263.3
42.5°	2083.1	2096.8	2255.0	2445.0	2568.8	2699.5	2854.9	2846.7	2815.0	2762.8	2699.5
45°	2264.7	2282.6	2471.1	2772.4	3026.9	3212.6	3311.7	3273.2	3241.6	3192.0	3159.0
47.5°	2495.9	2530.3	2743.5	3116.4	3423.2	3729.9	3833.2	3731.4	3703.8	3665.3	3611.7
50°	2742.1	2775.1	3002.2	3428.7	3775.4	4141.3	4313.4	4141.3	4101.5	4089.1	4028.6
52.5°	2955.3	2982.9	3201.7	3669.4	4045.1	4474.3	4724.8	4497.7	4468.8	4427.6	4383.5
55°	3082.0	3103.9	3309.0	3785.1	4228.1	4774.3	5122.4	4922.9	4880.2	4863.7	4800.4
57.5°	3124.7	3146.6	3331.0	3800.2	4327.2	5048.1	5605.3	5612.2	5561.2	5502.1	5482.9
60°	3124.7	3149.3	3304.9	3763.0	4423.4	5339.8	6249.2	6823.0	6712.8	6701.9	6631.7
62.5°	2995.2	3018.7	3175.5	3648.8	4552.7	5733.3	7146.3	8159.0	8127.3	8055.8	7940.2
65°	2714.6	2728.4	2882.5	3357.1	4503.2	6095.1	7923.6	9047.8	8996.9	8856.5	8707.9
66°	2588.0	2599.1	2743.5	3190.7	4340.9	6144.7	8061.2	9159.2	9075.2	8957.0	8789.1
67.5°	2405.1	2424.2	2526.1	2881.0	3951.5	5972.6	7974.6	9080.7	9007.9	8864.8	8696.9
70°	1605.6	1591.9	1951.0	2211.0	3010.4	4866.4	7154.5	8153.5	8154.8	8087.4	8020.0
72.5°	762.3	770.5	875.0	1360.7	1970.3	3251.2	5694.7	6507.9	6601.5	6480.4	6396.5
75°	547.6	560.0	623.3	832.4	1175.0	1951.0	3691.5	4551.4	4554.2	4339.5	4148.3
77.5°	159.6	166.5	233.9	513.2	880.5	1316.7	2120.2	2530.3	2471.1	2317.0	2172.5
80°	66.0	66.0	68.8	163.7	353.6	894.3	1483.2	1948.3	1941.3	1882.2	1796.9
82.5°	24.8	26.1	33.1	67.5	83.9	220.1	989.2	1691.0	1686.8	1602.9	1542.4
85°	2.8	2.8	8.3	28.9	31.6	41.2	198.1	745.7	741.6	745.7	653.6
87.5°	0.0	0.0	1.3	2.8	4.1	5.5	8.3	28.9	31.6	30.3	27.6
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1
2.5°	235.2	232.5	232.5	231.2	231.2	231.2	229.7	228.4	228.4	227.0	225.6
5°	257.3	254.5	253.2	250.4	249.0	247.7	244.9	243.5	240.8	239.4	238.0
7.5°	283.4	277.9	276.6	272.4	268.3	265.5	262.8	258.7	256.0	250.4	249.0
10°	316.5	309.5	304.0	298.5	294.4	287.6	283.4	277.9	272.4	268.3	264.1
12.5°	359.1	349.4	341.2	335.8	326.1	317.8	309.5	305.5	294.4	288.9	282.1
15°	405.9	394.9	385.3	374.2	367.4	353.6	342.6	330.3	324.7	315.0	304.0
17.5°	466.4	448.5	433.4	422.4	408.6	394.9	382.5	370.2	353.6	342.6	328.8
20°	531.1	516.0	495.3	476.1	459.6	443.0	425.2	408.6	393.5	375.6	359.1
22.5°	613.7	591.6	566.8	547.6	525.6	507.7	482.9	460.9	436.2	412.7	393.5
25°	718.2	689.3	665.9	638.4	612.2	584.8	554.5	526.9	495.3	473.3	440.3
27.5°	847.6	820.0	788.4	752.6	726.4	685.2	645.3	610.9	573.8	539.4	502.2
30°	1012.6	972.7	939.7	905.3	853.1	813.2	766.3	719.6	668.7	634.3	577.8
32.5°	1210.8	1168.1	1118.5	1069.0	1020.9	964.5	906.7	848.9	792.5	729.2	671.4
35°	1453.0	1402.0	1345.6	1291.9	1217.6	1157.1	1084.1	1004.4	941.1	868.2	795.2
37.5°	1773.5	1689.5	1640.0	1583.6	1483.2	1400.6	1319.5	1239.7	1128.2	1051.2	948.0
40°	2175.2	2125.7	2044.6	1953.8	1862.9	1754.2	1644.1	1538.2	1408.9	1301.6	1181.9
42.5°	2647.2	2574.3	2491.7	2361.0	2268.8	2140.8	2015.6	1875.3	1717.1	1579.5	1439.2
45°	3090.3	3003.5	2940.2	2809.5	2713.3	2561.9	2410.6	2262.0	2079.0	1901.5	1739.1
47.5°	3569.0	3497.5	3393.0	3286.9	3189.3	3018.7	2854.9	2674.7	2482.1	2271.6	2061.0
50°	3990.1	3933.6	3862.1	3734.1	3625.4	3482.4	3289.7	3093.0	2849.4	2640.3	2400.9
52.5°	4347.8	4303.7	4203.3	4112.5	4014.8	3880.0	3708.0	3519.5	3256.7	3026.9	2754.5
55°	4770.2	4738.5	4650.5	4594.1	4507.4	4378.0	4217.1	4042.3	3764.4	3514.0	3205.8
57.5°	5462.2	5437.4	5360.4	5337.0	5251.7	5138.9	4940.7	4753.7	4428.9	4118.0	3765.8
60°	6608.3	6558.8	6446.0	6388.2	6208.0	6056.6	5799.3	5542.1	5149.9	4753.7	4329.8
62.5°	7835.6	7696.7	7482.0	7297.6	7041.8	6779.0	6434.9	6041.5	5582.0	5111.4	4624.4
65°	8497.4	8260.7	7989.7	7696.7	7365.1	6978.4	6545.1	6073.2	5579.2	5082.5	4567.9
66°	8573.1	8306.1	8018.5	7692.5	7323.7	6912.4	6472.1	5976.8	5463.6	4979.3	4464.7
67.5°	8478.1	8198.9	7894.8	7533.0	7133.9	6707.4	6245.1	5730.6	5236.6	4745.4	4244.6
70°	7813.6	7535.6	7264.7	6883.5	6458.3	6029.1	5591.6	5016.5	4548.6	4097.3	3651.6
72.5°	6239.6	6051.1	5782.8	5456.7	5042.6	4539.0	4174.4	3659.8	3254.0	2816.4	2471.1
75°	3899.3	3633.7	3302.1	2886.6	2570.2	2161.5	1948.3	1557.5	1326.3	1124.0	928.7
77.5°	1993.7	1794.1	1561.7	1327.7	1103.4	880.5	681.0	481.6	324.7	225.6	167.9
80°	1646.9	1470.8	1278.2	1065.0	866.8	672.8	484.4	330.3	210.5	137.6	107.4
82.5°	1360.7	1212.1	1040.2	842.1	670.1	528.3	367.4	239.4	148.6	96.3	75.6
85°	579.3	525.6	405.9	322.0	242.2	178.9	125.2	83.9	59.2	48.2	44.0
87.5°	24.8	27.6	26.1	20.6	15.1	15.1	13.8	11.0	11.0	11.0	11.0
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1
2.5°	225.6	224.2	222.9	222.9	221.6	220.1	211.9	205.0	196.8	191.3	185.7
5°	235.2	233.9	231.2	229.7	227.0	225.6	207.8	192.6	180.2	170.6	163.7
7.5°	244.9	243.5	239.4	235.2	233.9	231.2	202.3	183.0	166.5	155.4	148.6
10°	257.3	253.2	249.0	243.5	239.4	235.2	196.8	172.0	154.1	144.5	137.6
12.5°	275.1	268.3	261.5	254.5	249.0	242.2	194.0	162.4	144.5	133.5	126.6
15°	295.9	286.2	277.9	269.6	260.0	253.2	188.5	154.1	136.2	125.2	117.0
17.5°	315.0	304.0	291.7	279.3	269.6	260.0	183.0	145.8	128.0	117.0	108.7
20°	342.6	326.1	311.0	295.9	282.1	269.6	174.7	137.6	121.0	108.7	100.4
22.5°	372.8	353.6	334.3	313.7	295.9	279.3	167.9	130.7	114.2	101.9	92.2
25°	411.4	388.0	361.9	335.8	315.0	293.1	160.9	123.8	107.4	94.9	85.3
27.5°	465.1	432.0	403.1	370.2	338.4	313.7	155.4	118.3	100.4	88.1	78.4
30°	537.9	489.8	444.5	408.6	371.5	335.8	149.9	111.4	94.9	81.1	70.2
32.5°	619.2	562.7	510.5	456.8	410.1	368.7	144.5	105.9	88.1	74.3	64.7
35°	719.6	648.1	577.8	516.0	459.6	404.5	139.0	100.4	82.6	67.5	57.8
37.5°	864.0	774.6	682.4	602.6	529.7	456.8	134.8	94.9	75.6	60.5	50.9
40°	1062.2	946.6	833.8	725.1	630.2	539.4	129.3	89.4	70.2	55.0	45.4
42.5°	1276.8	1136.5	987.9	865.4	734.7	620.5	123.8	83.9	64.7	49.5	39.9
45°	1543.7	1369.0	1188.7	1022.3	862.7	715.4	118.3	78.4	57.8	44.0	34.4
47.5°	1835.4	1612.5	1408.9	1199.8	1009.8	833.8	111.4	74.3	52.3	38.5	30.3
50°	2135.3	1900.1	1642.8	1404.8	1179.2	952.1	104.6	67.5	46.7	34.4	24.8
52.5°	2458.7	2180.7	1917.9	1622.2	1359.4	1107.6	97.7	61.9	42.7	30.3	20.6
55°	2870.1	2559.2	2250.9	1919.4	1602.9	1287.8	90.8	55.0	37.1	26.1	16.5
57.5°	3387.4	3018.7	2640.3	2266.1	1882.2	1524.5	85.3	48.2	31.6	22.0	13.8
60°	3875.9	3445.2	2987.0	2556.4	2123.0	1706.1	77.1	42.7	27.6	17.9	13.8
62.5°	4129.0	3637.8	3143.8	2669.2	2206.9	1770.8	68.8	35.8	23.4	15.1	12.3
65°	4067.0	3566.2	3087.5	2608.7	2156.0	1729.4	60.5	31.6	20.6	13.8	12.3
66°	3977.6	3482.4	3000.8	2545.4	2113.4	1685.5	56.4	30.3	19.3	13.8	11.0
67.5°	3782.3	3303.5	2843.9	2420.2	1996.4	1601.6	50.9	27.6	17.9	12.3	11.0
70°	3230.6	2795.8	2428.4	2051.4	1706.1	1349.7	41.2	23.4	15.1	11.0	11.0
72.5°	2138.1	1842.3	1597.4	1374.5	1148.8	891.6	34.4	19.3	12.3	11.0	9.6
75°	806.2	729.2	626.0	562.7	491.2	430.7	27.6	12.3	9.6	9.6	9.6
77.5°	143.1	132.1	117.0	107.4	99.1	90.8	22.0	8.3	8.3	9.6	9.6
80°	96.3	89.4	81.1	74.3	68.8	61.9	15.1	6.8	8.3	8.3	9.6
82.5°	68.8	64.7	60.5	55.0	50.9	45.4	9.6	6.8	8.3	8.3	8.3
85°	41.2	38.5	35.8	33.1	28.9	27.6	6.8	6.8	6.8	8.3	8.3
87.5°	11.0	9.6	11.0	11.0	8.3	9.6	5.5	5.5	5.5	6.8	6.8
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):

	145°	155°	165°	175°	180°
0°	216.1	216.1	216.1	216.1	216.1
2.5°	183.0	183.0	180.2	184.4	184.4
5°	158.2	158.2	156.9	158.2	158.2
7.5°	144.5	143.1	143.1	143.1	144.5
10°	132.1	130.7	130.7	130.7	130.7
12.5°	121.0	119.7	118.3	119.7	119.7
15°	111.4	108.7	108.7	108.7	108.7
17.5°	103.2	100.4	99.1	99.1	99.1
20°	94.9	90.8	90.8	90.8	90.8
22.5°	86.6	82.6	82.6	82.6	82.6
25°	78.4	74.3	74.3	74.3	74.3
27.5°	71.5	67.5	67.5	67.5	67.5
30°	63.3	60.5	60.5	61.9	60.5
32.5°	57.8	53.7	53.7	55.0	55.0
35°	50.9	48.2	48.2	48.2	48.2
37.5°	44.0	41.2	41.2	41.2	41.2
40°	38.5	35.8	34.4	35.8	35.8
42.5°	33.1	30.3	28.9	28.9	28.9
45°	28.9	24.8	23.4	24.8	24.8
47.5°	23.4	20.6	20.6	22.0	22.0
50°	17.9	17.9	19.3	22.0	22.0
52.5°	16.5	16.5	19.3	22.0	22.0
55°	15.1	16.5	19.3	20.6	22.0
57.5°	13.8	16.5	19.3	20.6	20.6
60°	13.8	15.1	17.9	20.6	20.6
62.5°	12.3	13.8	16.5	19.3	19.3
65°	12.3	13.8	16.5	19.3	19.3
66°	12.3	13.8	16.5	19.3	19.3
67.5°	12.3	13.8	16.5	19.3	19.3
70°	12.3	13.8	16.5	17.9	17.9
72.5°	11.0	12.3	15.1	17.9	17.9
75°	11.0	12.3	15.1	17.9	17.9
77.5°	11.0	12.3	15.1	17.9	17.9
80°	11.0	12.3	15.1	16.5	17.9
82.5°	9.6	12.3	13.8	16.5	16.5
85°	9.6	11.0	13.8	15.1	16.5
87.5°	8.3	9.6	11.0	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)