

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: P155410

Luminaire Tested: **VXS-E01-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155410
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E01-LED-E1-T3
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3083.9 lumens
Efficiency: N/A
Efficacy: 124.9 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: 25 FT



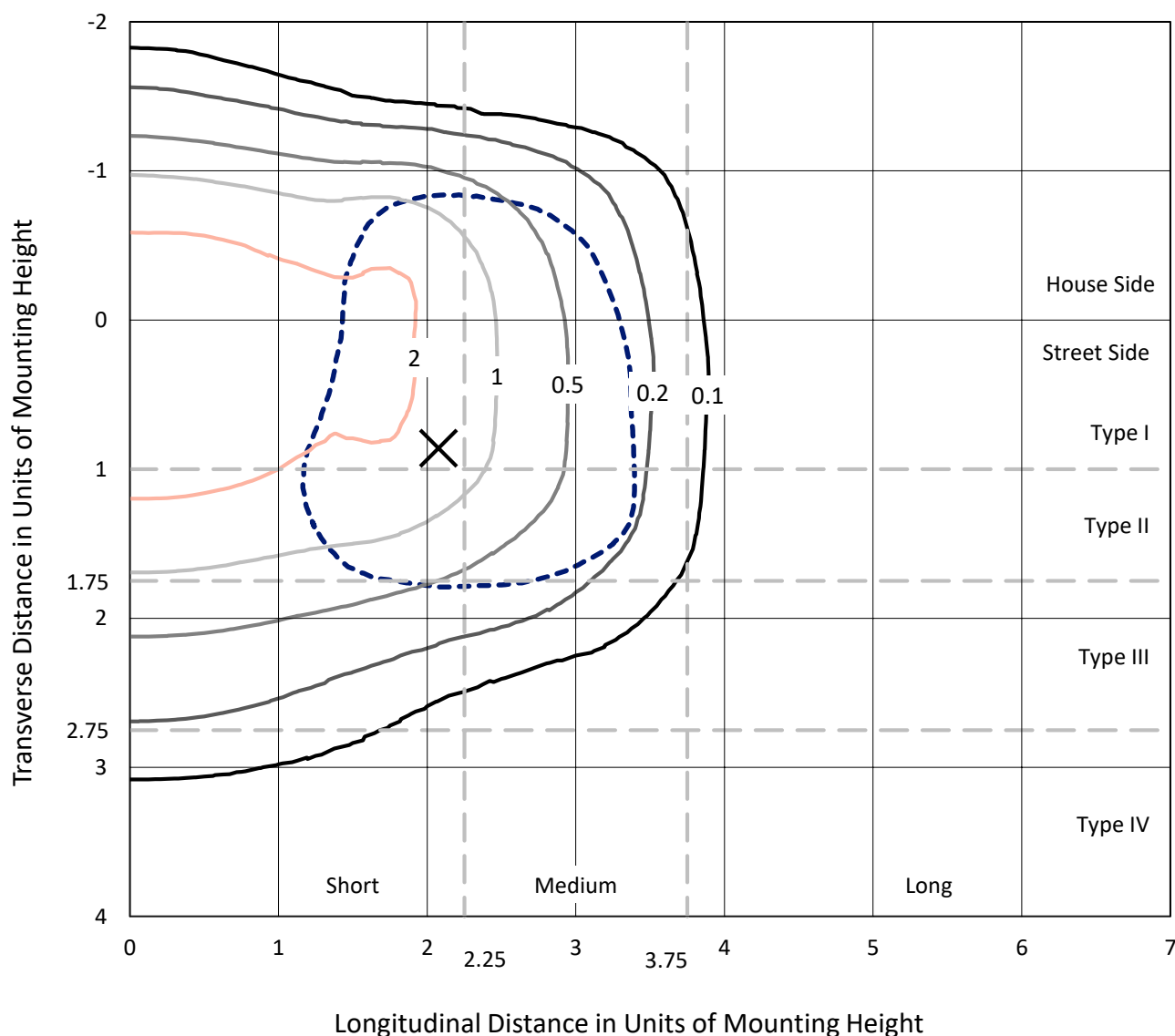
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

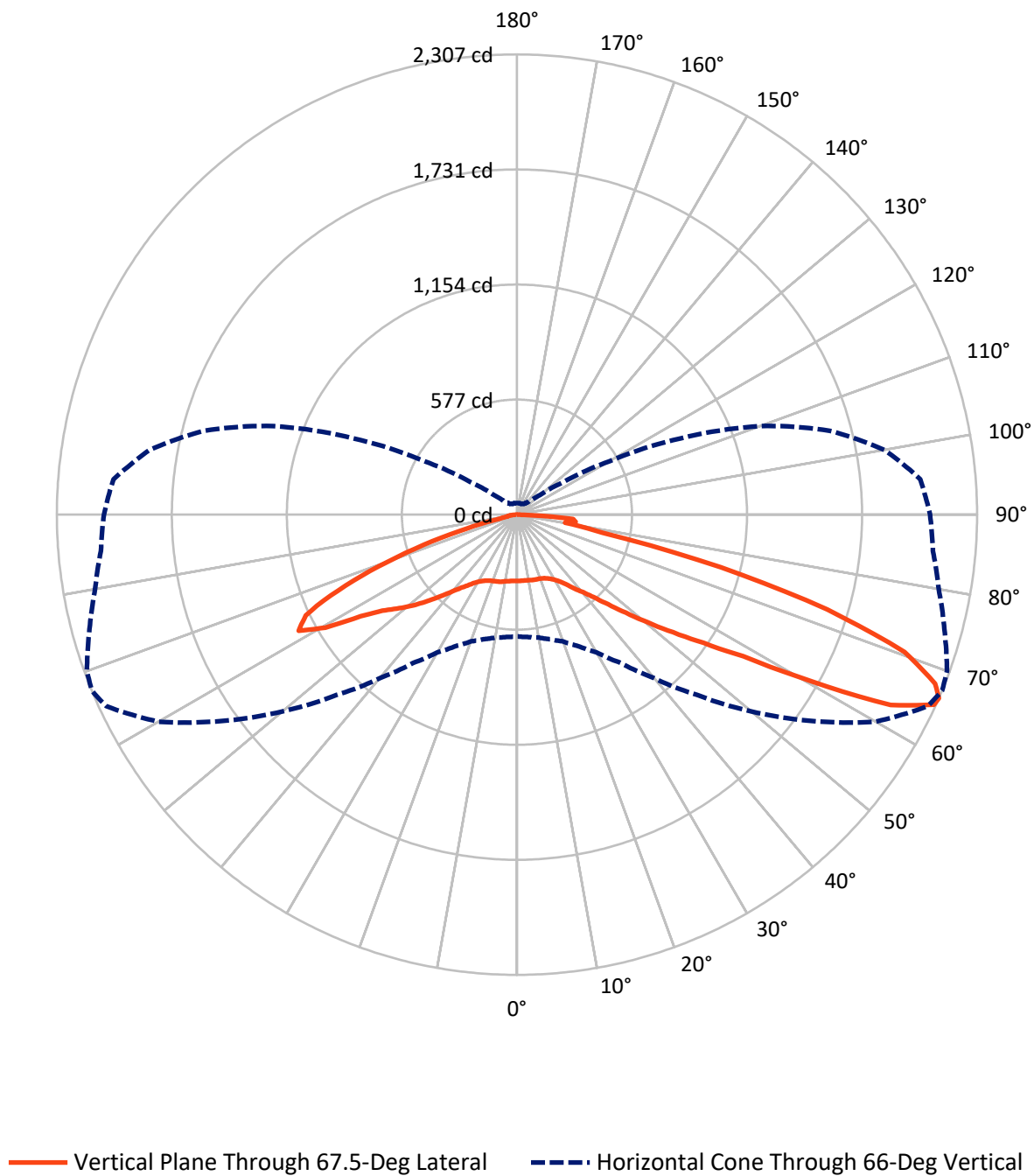


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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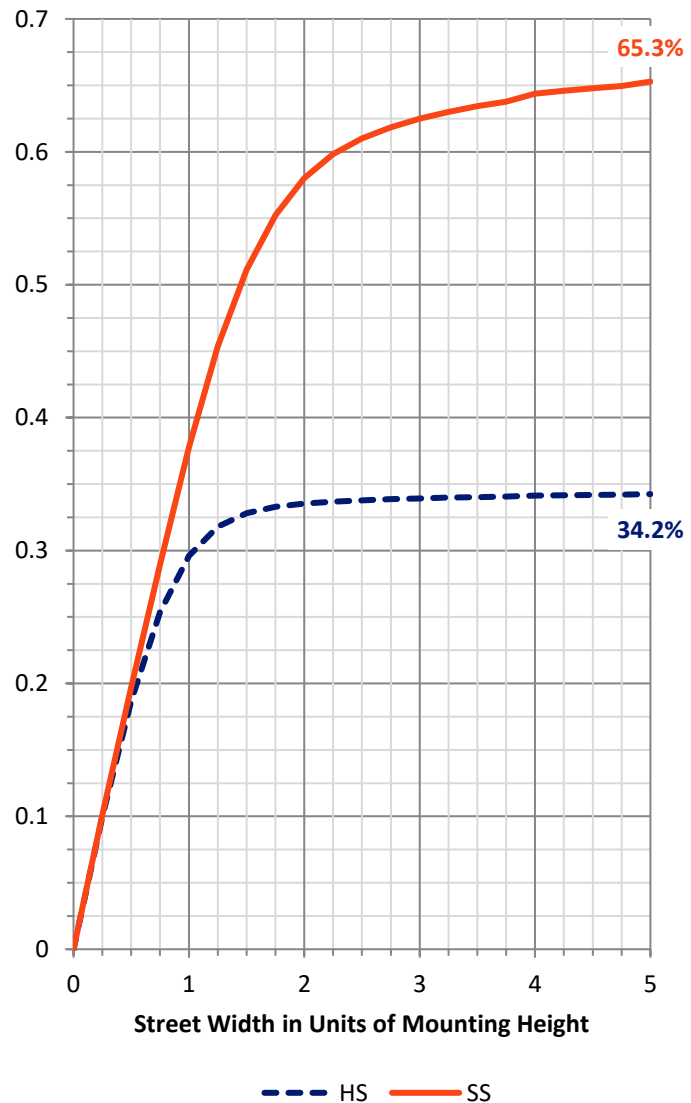
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1065.0	0.0	1065.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	2018.9	0.0	2018.9
	% Fixture	65.5	0.0	65.5
Total	Lumens	3083.9	0.0	3083.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	1.0
10°-20°	93.9	3.0
20°-30°	161.5	5.2
30°-40°	262.2	8.5
40°-50°	437.7	14.2
50°-60°	689.2	22.3
60°-70°	939.8	30.5
70°-80°	406.8	13.2
80°-90°	61.2	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°	3083.9	100.0
0°-180°	3083.9	100.0

Coefficient of Utilization



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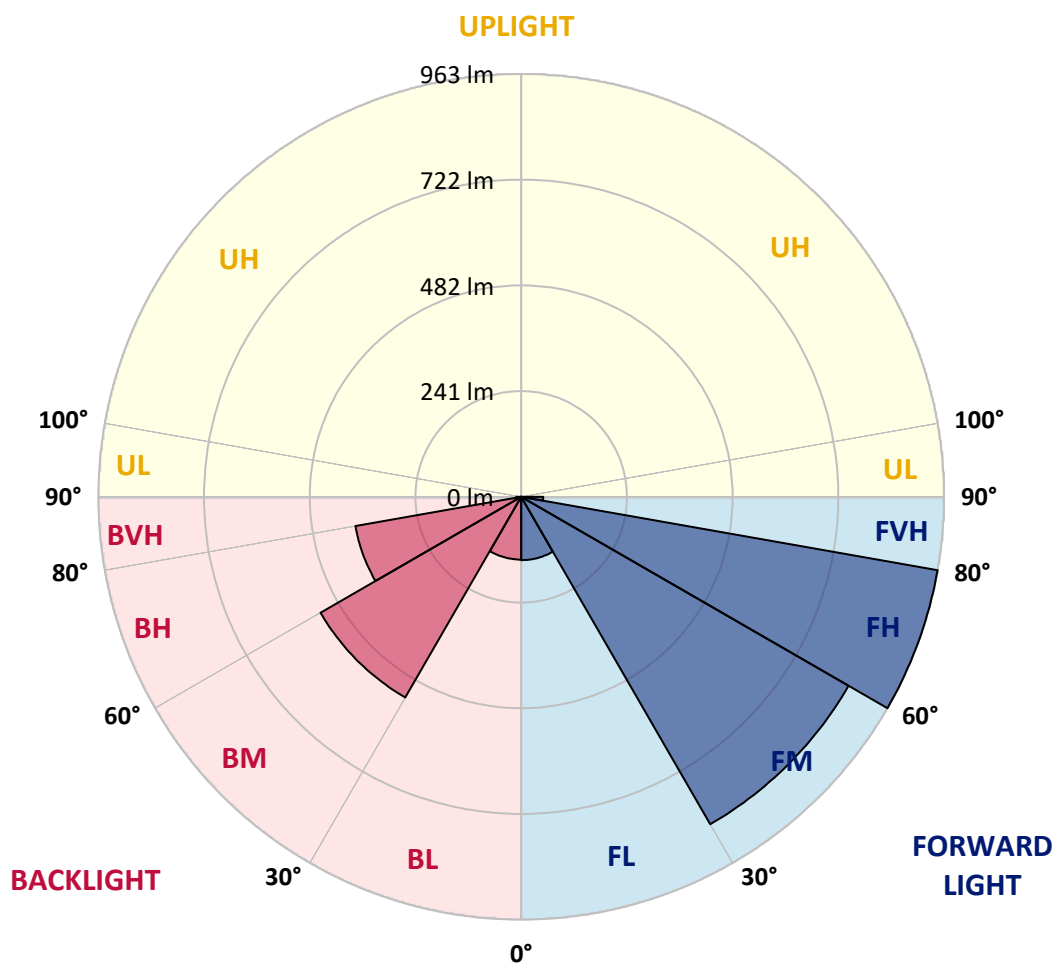
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.3	4.7			
FM	(30°-60°)	861.2	27.9			
FH	(60°-80°)	963.2	31.2			G1/1800
FVH	(80°-90°)	50.2	1.6			G1/100
BL	(0°-30°)	143.0	4.6	B1/500		
BM	(30°-60°)	527.7	17.1	B1/1000		
BH	(60°-80°)	383.3	12.4	B1/500		G1/500
BVH	(80°-90°)	10.9	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
2.5°	333.7	335.0	333.7	334.0	334.3	334.0	333.7	333.7	332.6	333.4	334.0
5°	332.3	333.4	333.0	333.4	333.7	333.4	333.0	333.4	332.6	333.0	334.0
7.5°	330.7	330.4	330.7	331.3	332.0	332.0	332.0	332.3	332.0	332.0	333.0
10°	325.7	326.0	326.6	327.7	328.0	329.0	329.0	329.9	330.4	331.0	332.3
12.5°	319.4	319.7	320.3	321.0	322.7	324.4	324.4	326.6	327.7	329.3	331.7
15°	314.7	315.0	315.6	316.4	317.6	319.4	320.3	323.0	324.7	327.7	331.0
17.5°	317.3	317.0	317.6	318.0	318.0	319.4	319.4	321.3	323.3	326.0	330.4
20°	325.0	325.0	325.7	325.7	325.3	326.0	324.7	324.7	325.0	326.3	329.3
22.5°	332.6	332.3	333.7	334.3	334.7	335.6	334.3	334.0	332.3	331.3	332.3
25°	340.0	339.7	341.3	342.4	344.0	345.0	345.0	345.0	343.6	342.0	341.0
27.5°	351.3	351.3	353.0	354.0	355.3	357.3	358.3	358.3	358.7	356.4	354.7
30°	370.4	370.7	371.0	372.3	373.7	374.3	375.6	376.7	377.6	376.4	373.7
32.5°	393.0	391.0	391.0	393.0	394.7	396.7	397.3	398.7	400.6	399.7	399.4
35°	420.0	419.4	418.7	419.4	421.3	423.6	426.3	428.7	427.4	429.3	428.3
37.5°	460.0	460.6	461.0	461.0	460.6	461.3	462.7	465.0	464.4	465.0	466.3
40°	526.0	523.6	521.3	521.7	518.3	519.0	513.7	516.0	516.4	514.0	515.0
42.5°	592.0	593.4	594.3	597.0	594.7	593.4	588.3	588.3	585.7	583.3	582.7
45°	663.3	666.0	666.3	671.7	669.6	674.0	677.6	676.7	672.3	672.0	667.4
47.5°	720.3	724.7	729.3	735.6	740.6	750.4	761.7	767.4	770.7	773.4	768.0
50°	763.0	765.0	777.0	787.0	798.0	814.0	829.6	849.9	866.3	874.0	881.3
52.5°	786.0	791.0	804.0	819.7	839.0	863.0	888.3	920.6	948.7	967.4	984.0
55°	791.0	796.0	810.7	830.7	857.0	889.3	925.7	969.6	1011.7	1047.7	1082.7
57.5°	777.0	782.7	798.3	821.3	852.3	891.7	937.3	995.0	1053.0	1111.3	1163.0
60°	751.3	758.3	772.6	795.3	829.6	874.0	928.7	1001.0	1082.4	1171.7	1270.7
62.5°	709.0	716.4	729.6	754.7	790.1	839.0	902.4	992.3	1107.4	1248.0	1423.6
65°	641.0	644.4	660.6	686.0	717.3	771.3	841.0	949.6	1099.4	1295.0	1537.0
66°	610.4	616.0	626.0	646.3	676.4	727.0	797.0	907.4	1069.0	1278.7	1534.0
67.5°	562.4	566.6	573.4	587.0	605.3	642.7	709.0	813.4	976.4	1196.0	1470.4
70°	454.7	456.7	465.7	470.4	476.7	489.0	513.0	573.0	700.0	906.3	1186.6
72.5°	310.1	315.6	325.3	338.7	356.0	372.6	384.0	391.7	419.0	540.6	790.7
75°	227.4	233.4	245.7	263.3	293.7	328.3	364.4	381.0	369.6	354.0	440.3
77.5°	132.0	140.0	150.4	167.4	195.3	241.3	303.0	357.6	394.7	397.0	377.0
80°	55.6	56.7	63.0	71.7	89.0	121.3	169.3	248.0	329.9	385.3	398.3
82.5°	12.6	15.6	20.0	23.6	29.0	40.0	59.4	98.7	178.3	279.7	364.7
85°	4.7	4.7	6.3	9.3	10.7	12.0	15.6	25.0	42.7	78.7	164.0
87.5°	0.0	0.3	0.6	0.6	1.3	1.7	2.7	3.6	3.3	3.0	9.9
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
2.5°	333.4	333.0	332.3	332.3	332.3	332.3	331.7	332.0	331.3	331.7	331.7
5°	333.0	333.0	332.6	332.0	332.3	332.3	332.6	332.0	332.0	332.3	332.0
7.5°	333.0	332.6	332.6	332.6	333.0	332.6	333.0	333.0	333.0	333.4	333.4
10°	333.0	333.0	333.7	334.0	334.0	334.3	335.3	335.3	335.6	336.0	336.7
12.5°	333.4	334.7	335.6	336.7	337.0	337.6	339.4	339.4	340.0	341.0	341.3
15°	333.7	335.6	337.6	338.3	339.0	340.3	342.0	342.7	343.6	344.7	345.3
17.5°	333.4	336.0	338.3	339.4	340.3	342.0	344.0	344.7	346.0	347.4	348.7
20°	333.0	336.7	340.3	341.7	343.0	345.3	348.0	349.6	351.0	353.0	354.3
22.5°	335.0	339.4	344.4	346.3	348.7	351.7	355.3	357.3	359.0	361.0	362.0
25°	341.3	344.7	350.7	354.0	357.0	362.0	367.0	369.3	371.3	373.0	373.4
27.5°	352.0	353.0	360.3	364.7	369.0	377.0	383.0	384.7	388.3	389.6	389.3
30°	369.3	367.7	373.7	380.3	386.6	397.6	405.0	409.3	412.6	412.6	409.9
32.5°	394.3	391.7	393.4	401.0	408.3	424.4	433.0	438.7	441.0	440.3	434.7
35°	427.0	425.3	424.4	430.4	442.0	460.6	472.0	475.0	478.7	478.0	470.7
37.5°	465.7	464.4	464.4	471.3	482.7	510.4	522.7	524.7	524.4	519.0	505.3
40°	511.3	510.7	507.7	511.7	521.3	557.3	574.0	576.7	573.0	564.4	548.3
42.5°	577.0	573.0	563.6	566.0	573.4	608.3	629.9	637.3	633.7	625.0	599.0
45°	662.7	658.3	642.7	640.6	644.7	675.3	703.3	705.0	704.4	693.4	662.7
47.5°	763.3	756.7	740.0	734.7	733.4	761.7	788.7	791.3	789.6	773.4	732.3
50°	872.3	862.7	851.7	848.0	842.7	863.0	890.4	890.7	884.0	861.3	823.0
52.5°	988.7	985.3	983.3	979.7	977.3	995.0	1011.7	1001.7	991.7	968.0	934.7
55°	1106.0	1119.7	1133.7	1135.0	1139.0	1158.0	1157.6	1130.4	1123.0	1109.9	1077.0
57.5°	1230.7	1281.3	1325.3	1339.0	1352.3	1387.7	1384.4	1357.3	1348.0	1332.0	1304.7
60°	1400.3	1537.0	1664.0	1694.3	1715.3	1757.6	1753.7	1712.0	1731.3	1729.9	1694.7
62.5°	1638.0	1865.3	2055.6	2102.4	2117.0	2121.7	2096.4	2051.3	2070.4	2091.7	1983.0
65°	1799.0	2066.3	2261.7	2297.6	2299.7	2244.0	2187.7	2134.7	2129.9	2111.7	1956.4
66°	1802.7	2076.4	2272.3	2307.4	2295.0	2219.0	2147.7	2094.3	2071.3	2031.0	1870.1
67.5°	1738.0	2014.0	2225.0	2262.0	2235.0	2127.4	2029.0	1960.3	1915.3	1849.9	1708.0
70°	1459.7	1733.4	1993.4	2062.4	2071.0	1910.4	1774.0	1693.4	1632.6	1543.0	1420.6
72.5°	1085.3	1332.6	1562.0	1628.0	1661.7	1533.4	1418.3	1357.0	1274.0	1179.7	1092.6
75°	680.3	855.0	1008.7	1055.0	1023.3	924.0	855.0	829.3	747.7	691.3	651.7
77.5°	389.0	443.6	456.0	438.3	401.0	307.0	218.3	161.7	140.3	155.3	171.3
80°	379.7	348.0	277.3	244.0	221.0	152.0	89.3	61.3	51.0	52.3	56.7
82.5°	411.3	441.3	363.3	296.4	248.7	168.0	92.6	49.3	33.4	39.4	44.4
85°	267.4	372.0	335.0	282.4	228.7	143.6	76.4	25.7	17.0	22.4	30.7
87.5°	27.0	29.6	25.3	34.3	25.7	12.0	6.0	3.6	3.3	4.0	6.0
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
2.5°	332.0	332.0	332.3	332.6	333.0	333.4	333.4	333.4	333.4	334.0	333.7
5°	332.6	333.4	334.0	334.3	335.0	335.0	336.0	335.6	335.6	336.7	337.0
7.5°	334.0	335.0	336.4	336.0	337.3	337.0	337.6	337.6	336.7	337.0	336.4
10°	337.0	338.3	339.0	338.0	338.3	337.0	336.7	335.0	333.0	332.0	330.7
12.5°	342.0	343.3	343.3	341.7	339.7	336.7	334.3	330.7	327.7	326.0	324.4
15°	346.3	347.7	347.4	344.7	341.7	337.0	333.7	329.3	325.0	322.4	320.6
17.5°	349.6	350.4	349.3	345.7	342.4	338.0	334.7	329.9	325.0	321.7	318.7
20°	354.7	354.0	351.7	347.0	343.3	339.4	336.7	332.6	327.0	322.7	318.3
22.5°	362.0	359.4	355.0	350.1	346.3	342.7	340.0	335.6	329.9	324.7	319.7
25°	371.7	366.3	360.3	355.0	351.7	347.7	344.7	340.0	334.0	328.0	322.0
27.5°	385.7	376.4	368.7	364.0	360.3	355.3	351.7	345.7	339.4	332.3	325.7
30°	401.3	388.7	381.3	377.6	373.7	368.3	362.7	355.0	347.7	340.0	332.0
32.5°	421.7	406.3	399.4	395.6	390.4	383.6	377.0	368.3	358.0	348.0	338.3
35°	448.3	432.6	425.3	419.7	412.3	403.6	394.0	382.4	368.3	355.0	342.7
37.5°	477.0	460.0	453.0	447.0	436.0	424.7	411.0	394.0	375.0	357.3	342.0
40°	513.4	497.6	488.7	478.3	465.3	445.7	424.4	399.7	375.3	353.7	335.6
42.5°	559.4	543.6	530.4	514.0	491.3	461.0	430.7	398.7	369.3	344.7	325.3
45°	620.3	601.3	578.3	549.6	513.0	470.7	431.0	392.3	358.0	330.7	310.1
47.5°	695.0	666.0	628.3	580.0	527.4	473.4	425.7	379.7	340.3	310.7	287.7
50°	783.6	738.0	676.0	605.0	534.7	469.3	412.3	360.6	315.3	283.6	256.4
52.5°	885.0	810.4	719.0	623.0	534.3	456.0	389.6	332.0	282.7	247.4	221.3
55°	1004.0	893.0	763.3	636.4	525.0	431.3	355.0	291.7	242.4	209.6	185.7
57.5°	1178.3	1027.0	840.6	657.0	506.3	393.4	308.0	243.3	200.0	169.0	148.7
60°	1497.0	1250.7	980.0	698.7	477.6	337.6	253.0	191.7	155.3	130.4	116.7
62.5°	1737.0	1423.6	1055.3	689.3	420.0	269.0	187.7	139.7	114.3	97.3	88.7
65°	1702.7	1369.9	975.0	593.7	329.3	189.6	124.7	95.0	78.7	70.7	65.7
66°	1625.0	1300.0	905.3	534.3	284.7	157.6	102.7	79.7	67.7	62.0	58.7
67.5°	1477.6	1169.9	780.6	438.0	218.7	114.3	77.3	63.0	55.0	52.6	50.4
70°	1228.3	933.0	548.0	255.0	111.7	63.6	49.0	44.0	42.0	41.7	41.0
72.5°	941.3	660.3	322.7	120.6	58.0	42.4	38.0	36.4	35.6	35.6	36.0
75°	577.0	371.0	142.7	59.0	40.6	35.6	33.7	33.0	32.6	33.0	32.6
77.5°	192.6	118.0	61.0	44.7	37.0	33.0	31.7	31.0	31.0	31.0	31.0
80°	59.0	51.3	46.6	41.3	35.0	31.3	29.3	29.0	29.3	29.6	28.7
82.5°	44.4	42.0	39.4	36.7	31.7	28.0	27.4	27.4	27.4	26.3	25.0
85°	32.6	32.3	26.6	25.0	23.3	23.3	23.3	23.3	22.4	20.6	19.4
87.5°	6.0	5.7	6.0	6.3	9.3	9.9	9.9	10.7	11.7	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):

	160°	165°	170°	175°	180°
0°	332.3	332.3	332.3	332.3	332.3
2.5°	333.7	333.4	334.3	333.7	334.0
5°	336.7	336.4	337.0	336.4	337.3
7.5°	335.6	335.0	334.7	335.0	335.3
10°	328.7	328.0	327.7	327.4	327.7
12.5°	322.7	321.3	321.3	320.6	321.0
15°	318.3	317.3	317.0	316.4	316.7
17.5°	316.4	314.7	314.0	313.4	313.4
20°	315.0	313.0	312.0	311.3	311.0
22.5°	315.0	312.0	310.7	310.1	309.6
25°	316.4	312.6	310.7	309.6	309.3
27.5°	319.0	314.3	312.0	310.7	310.7
30°	323.6	317.6	314.3	312.6	312.3
32.5°	328.3	320.3	315.6	313.7	313.0
35°	330.7	320.3	314.7	311.3	310.7
37.5°	328.0	316.0	309.0	304.0	303.0
40°	319.7	307.0	299.4	294.7	294.0
42.5°	308.7	296.4	287.4	284.0	283.0
45°	293.7	279.0	270.1	265.3	265.7
47.5°	268.0	253.0	245.0	240.6	241.3
50°	237.6	223.0	216.0	211.3	212.3
52.5°	204.4	191.0	184.4	182.0	181.3
55°	169.3	159.0	154.3	151.7	150.7
57.5°	137.3	129.9	126.6	123.3	123.6
60°	108.3	104.7	103.6	100.0	99.7
62.5°	85.3	83.0	82.0	79.4	79.7
65°	64.7	64.0	64.7	63.0	63.6
66°	58.3	58.7	58.7	57.6	58.3
67.5°	50.4	51.0	52.0	51.0	51.7
70°	41.7	42.4	43.0	43.0	43.0
72.5°	36.4	37.0	37.3	37.3	37.3
75°	33.4	33.7	34.0	33.4	33.4
77.5°	31.3	31.3	30.7	30.4	30.1
80°	28.3	28.0	27.0	26.3	26.3
82.5°	23.6	23.0	22.4	21.3	21.3
85°	18.0	17.3	16.7	15.3	14.7
87.5°	9.3	9.6	9.3	7.7	6.6
90°	0.0	0.0	0.0	0.0	0.0

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