

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: P155350

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155350
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: VXM-E01-LED-E1-T3
Description: VISION SITE MEDIUM 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



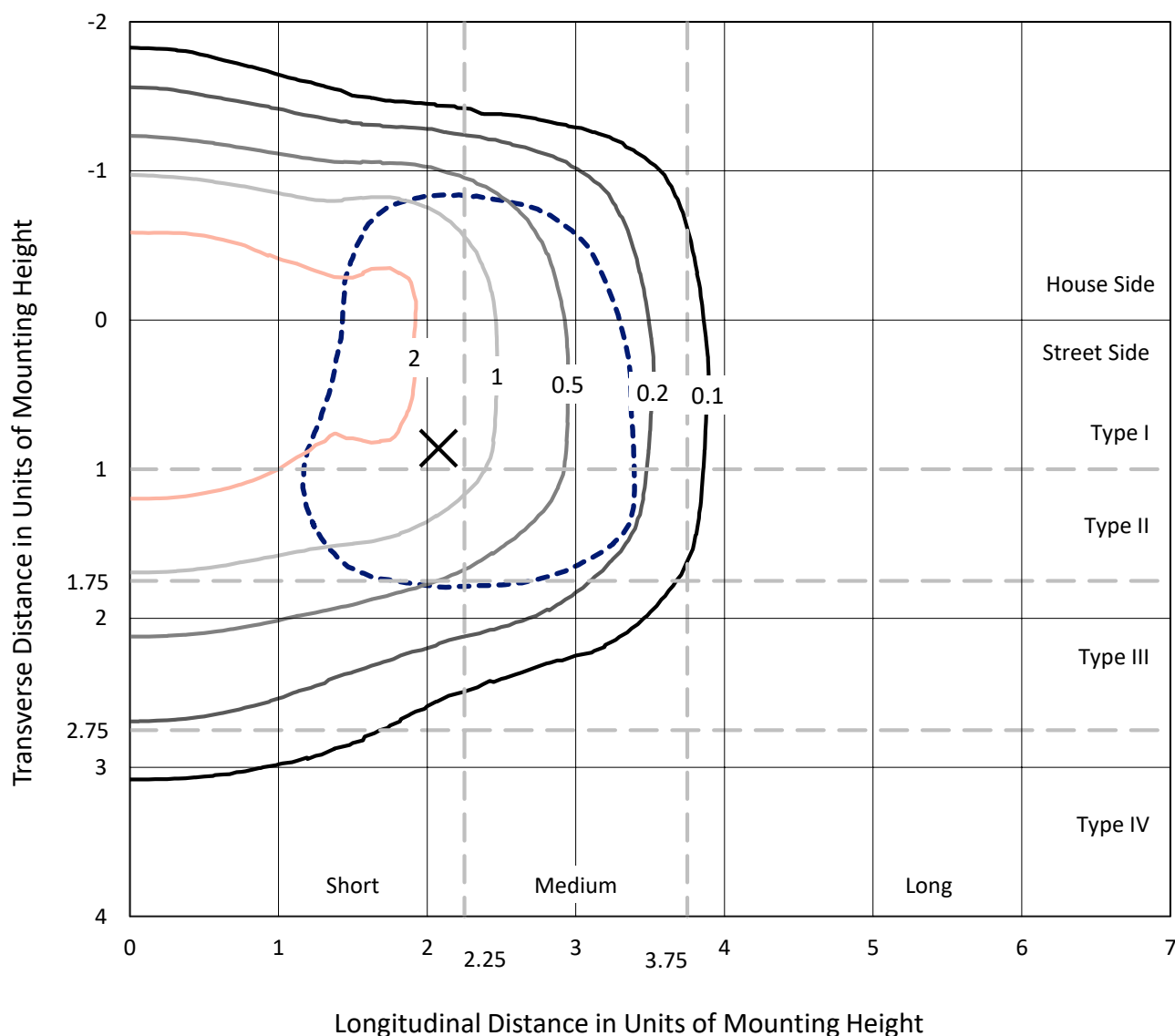
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

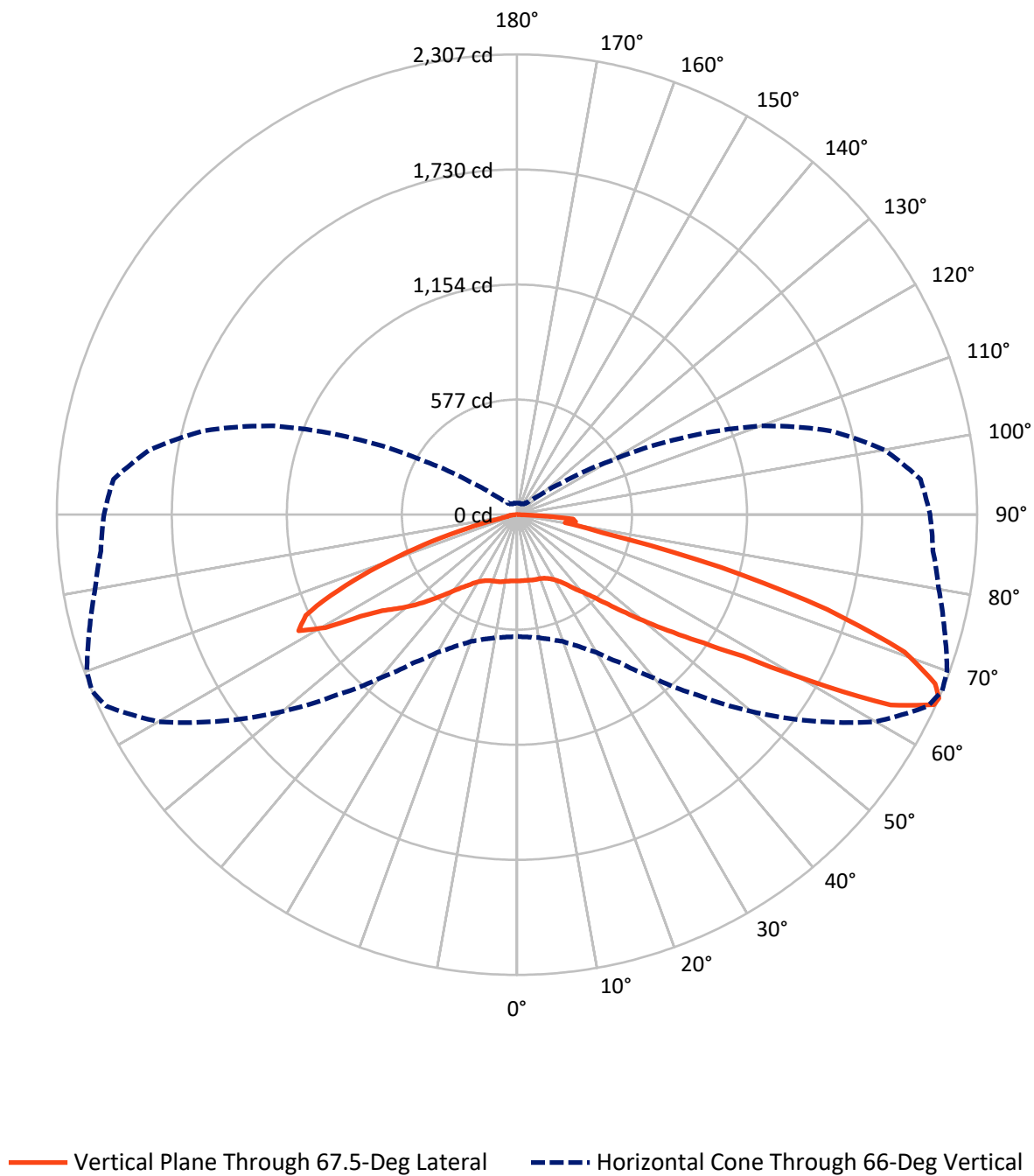


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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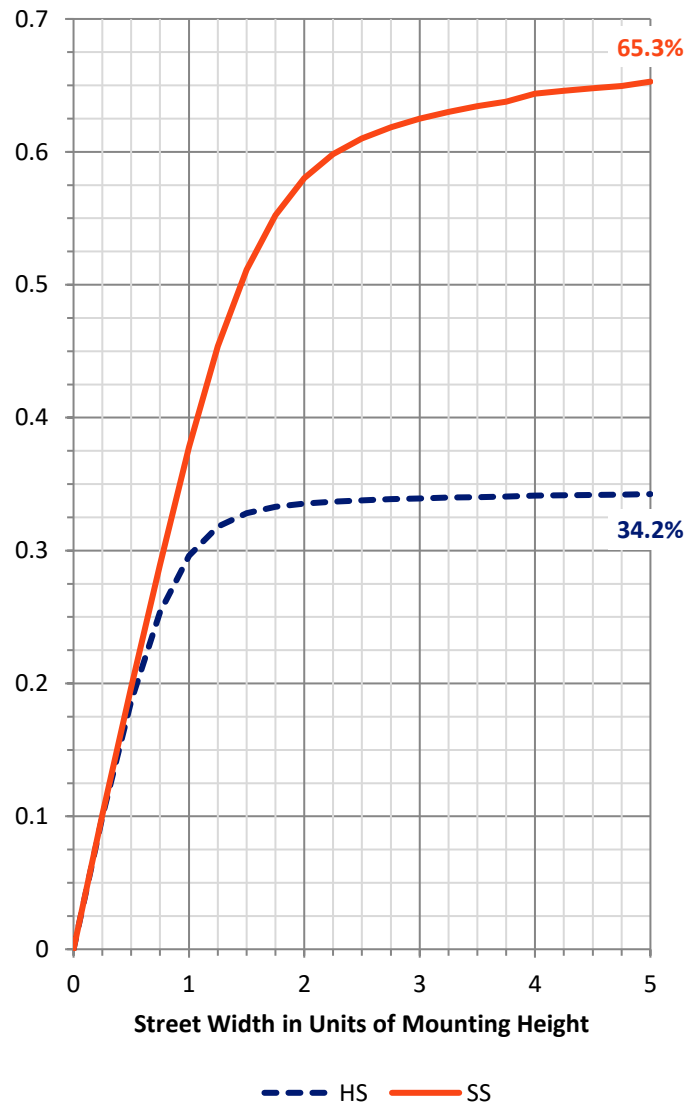
FLUX DISTRIBUTION:

		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°	939.7	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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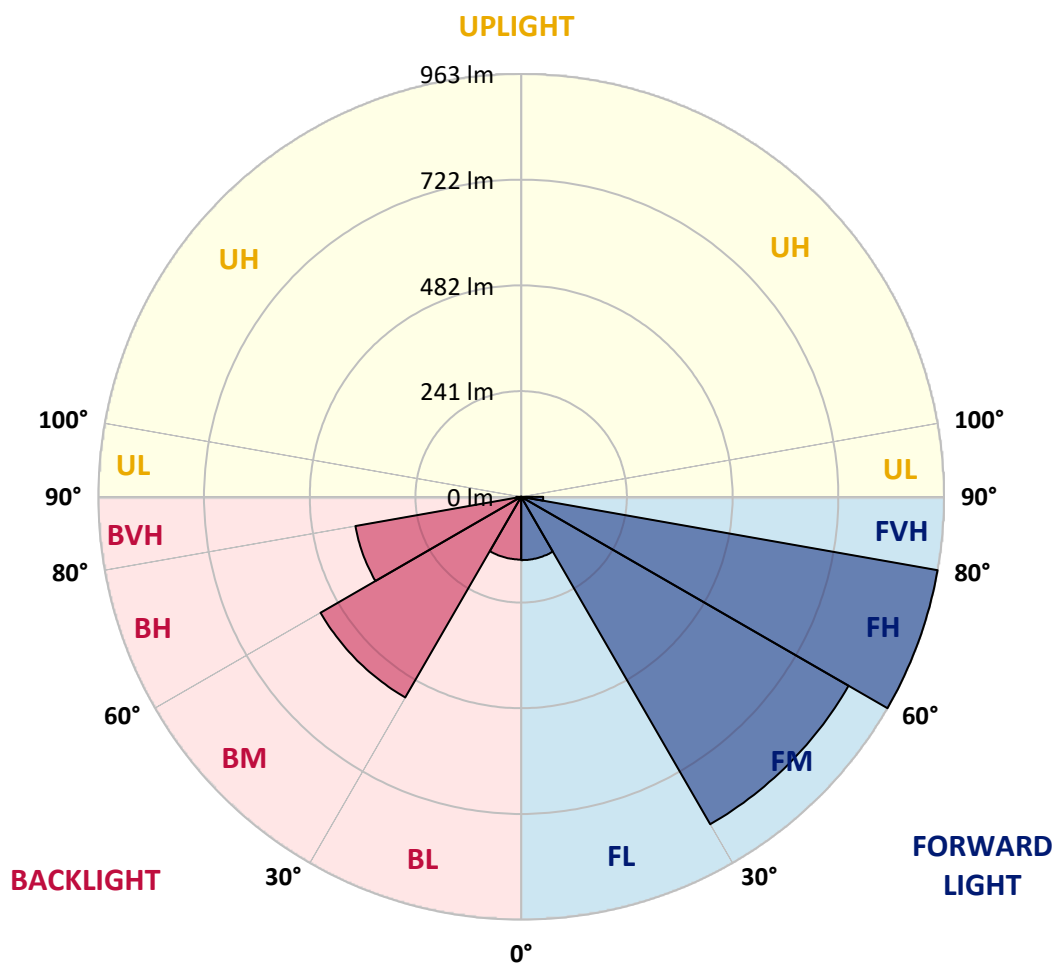
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

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	332.7	333.3	334.0
5°	332.3	333.3	333.0	333.3	333.7	333.3	333.0	333.3	332.7	333.0	334.0
7.5°	330.7	330.3	330.7	331.3	332.0	332.0	332.0	332.3	332.0	332.0	333.0
10°	325.7	326.0	326.7	327.7	328.0	329.0	329.0	330.0	330.3	331.0	332.3
12.5°	319.3	319.7	320.3	321.0	322.7	324.3	324.3	326.7	327.7	329.3	331.7
15°	314.7	315.0	315.7	316.3	317.7	319.3	320.3	323.0	324.7	327.7	331.0
17.5°	317.3	317.0	317.7	318.0	318.0	319.3	319.3	321.3	323.3	326.0	330.3
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°	332.7	332.3	333.7	334.3	334.7	335.7	334.3	334.0	332.3	331.3	332.3
25°	340.0	339.7	341.3	342.3	344.0	345.0	345.0	345.0	343.7	342.0	341.0
27.5°	351.3	351.3	353.0	354.0	355.3	357.3	358.3	358.3	358.7	356.3	354.7
30°	370.3	370.7	371.0	372.3	373.7	374.3	375.7	376.7	377.7	376.3	373.7
32.5°	393.0	391.0	391.0	393.0	394.7	396.7	397.3	398.7	400.7	399.7	399.3
35°	420.0	419.3	418.7	419.3	421.3	423.7	426.3	428.7	427.3	429.3	428.3
37.5°	460.0	460.7	461.0	461.0	460.7	461.3	462.7	465.0	464.3	465.0	466.3
40°	526.0	523.7	521.3	521.7	518.3	519.0	513.7	516.0	516.3	514.0	515.0
42.5°	592.0	593.3	594.3	597.0	594.7	593.3	588.3	588.3	585.7	583.3	582.7
45°	663.3	666.0	666.3	671.7	669.7	674.0	677.7	676.7	672.3	672.0	667.3
47.5°	720.3	724.7	729.3	735.7	740.7	750.3	761.7	767.3	770.7	773.3	768.0
50°	763.0	765.0	777.0	787.0	798.0	814.0	829.7	850.0	866.3	874.0	881.3
52.5°	786.0	791.0	804.0	819.7	839.0	863.0	888.3	920.7	948.7	967.3	984.0
55°	791.0	796.0	810.7	830.7	857.0	889.3	925.7	969.7	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	772.7	795.3	829.7	874.0	928.7	1001.0	1082.3	1171.7	1270.7
62.5°	709.0	716.3	729.7	754.7	790.0	839.0	902.3	992.3	1107.3	1248.0	1423.7
65°	641.0	644.3	660.7	686.0	717.3	771.3	841.0	949.7	1099.3	1295.0	1537.0
66°	610.3	616.0	626.0	646.3	676.3	727.0	797.0	907.3	1069.0	1278.7	1534.0
67.5°	562.3	566.7	573.3	587.0	605.3	642.7	709.0	813.3	976.3	1196.0	1470.3
70°	454.7	456.7	465.7	470.3	476.7	489.0	513.0	573.0	700.0	906.3	1186.7
72.5°	310.0	315.7	325.3	338.7	356.0	372.7	384.0	391.7	419.0	540.7	790.7
75°	227.3	233.3	245.7	263.3	293.7	328.3	364.3	381.0	369.7	354.0	440.3
77.5°	132.0	140.0	150.3	167.3	195.3	241.3	303.0	357.7	394.7	397.0	377.0
80°	55.7	56.7	63.0	71.7	89.0	121.3	169.3	248.0	330.0	385.3	398.3
82.5°	12.7	15.7	20.0	23.7	29.0	40.0	59.3	98.7	178.3	279.7	364.7
85°	4.7	4.7	6.3	9.3	10.7	12.0	15.7	25.0	42.7	78.7	164.0
87.5°	0.0	0.3	0.7	0.7	1.3	1.7	2.7	3.7	3.3	3.0	10.0
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):

	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°	333.3	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	332.7	332.0	332.3	332.3	332.7	332.0	332.0	332.3	332.0
7.5°	333.0	332.7	332.7	332.7	333.0	332.7	333.0	333.0	333.0	333.3	333.3
10°	333.0	333.0	333.7	334.0	334.0	334.3	335.3	335.3	335.7	336.0	336.7
12.5°	333.3	334.7	335.7	336.7	337.0	337.7	339.3	339.3	340.0	341.0	341.3
15°	333.7	335.7	337.7	338.3	339.0	340.3	342.0	342.7	343.7	344.7	345.3
17.5°	333.3	336.0	338.3	339.3	340.3	342.0	344.0	344.7	346.0	347.3	348.7
20°	333.0	336.7	340.3	341.7	343.0	345.3	348.0	349.7	351.0	353.0	354.3
22.5°	335.0	339.3	344.3	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	373.3
27.5°	352.0	353.0	360.3	364.7	369.0	377.0	383.0	384.7	388.3	389.7	389.3
30°	369.3	367.7	373.7	380.3	386.7	397.7	405.0	409.3	412.7	412.7	410.0
32.5°	394.3	391.7	393.3	401.0	408.3	424.3	433.0	438.7	441.0	440.3	434.7
35°	427.0	425.3	424.3	430.3	442.0	460.7	472.0	475.0	478.7	478.0	470.7
37.5°	465.7	464.3	464.3	471.3	482.7	510.3	522.7	524.7	524.3	519.0	505.3
40°	511.3	510.7	507.7	511.7	521.3	557.3	574.0	576.7	573.0	564.3	548.3
42.5°	577.0	573.0	563.7	566.0	573.3	608.3	630.0	637.3	633.7	625.0	599.0
45°	662.7	658.3	642.7	640.7	644.7	675.3	703.3	705.0	704.3	693.3	662.7
47.5°	763.3	756.7	740.0	734.7	733.3	761.7	788.7	791.3	789.7	773.3	732.3
50°	872.3	862.7	851.7	848.0	842.7	863.0	890.3	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	1157.7	1130.3	1123.0	1110.0	1077.0
57.5°	1230.7	1281.3	1325.3	1339.0	1352.3	1387.7	1384.3	1357.3	1348.0	1332.0	1304.7
60°	1400.3	1537.0	1664.0	1694.3	1715.3	1757.7	1753.7	1712.0	1731.3	1730.0	1694.7
62.5°	1638.0	1865.3	2055.7	2102.3	2117.0	2121.7	2096.3	2051.3	2070.3	2091.7	1983.0
65°	1799.0	2066.3	2261.7	2297.7	2299.7	2244.0	2187.7	2134.7	2130.0	2111.7	1956.3
66°	1802.7	2076.3	2272.3	2307.3	2295.0	2219.0	2147.7	2094.3	2071.3	2031.0	1870.0
67.5°	1738.0	2014.0	2225.0	2262.0	2235.0	2127.3	2029.0	1960.3	1915.3	1850.0	1708.0
70°	1459.7	1733.3	1993.3	2062.3	2071.0	1910.3	1774.0	1693.3	1632.7	1543.0	1420.7
72.5°	1085.3	1332.7	1562.0	1628.0	1661.7	1533.3	1418.3	1357.0	1274.0	1179.7	1092.7
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	443.7	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	296.3	248.7	168.0	92.7	49.3	33.3	39.3	44.3
85°	267.3	372.0	335.0	282.3	228.7	143.7	76.3	25.7	17.0	22.3	30.7
87.5°	27.0	29.7	25.3	34.3	25.7	12.0	6.0	3.7	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	332.7	333.0	333.3	333.3	333.3	333.3	334.0	333.7
5°	332.7	333.3	334.0	334.3	335.0	335.0	336.0	335.7	335.7	336.7	337.0
7.5°	334.0	335.0	336.3	336.0	337.3	337.0	337.7	337.7	336.7	337.0	336.3
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	324.3
15°	346.3	347.7	347.3	344.7	341.7	337.0	333.7	329.3	325.0	322.3	320.7
17.5°	349.7	350.3	349.3	345.7	342.3	338.0	334.7	330.0	325.0	321.7	318.7
20°	354.7	354.0	351.7	347.0	343.3	339.3	336.7	332.7	327.0	322.7	318.3
22.5°	362.0	359.3	355.0	350.0	346.3	342.7	340.0	335.7	330.0	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	376.3	368.7	364.0	360.3	355.3	351.7	345.7	339.3	332.3	325.7
30°	401.3	388.7	381.3	377.7	373.7	368.3	362.7	355.0	347.7	340.0	332.0
32.5°	421.7	406.3	399.3	395.7	390.3	383.7	377.0	368.3	358.0	348.0	338.3
35°	448.3	432.7	425.3	419.7	412.3	403.7	394.0	382.3	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°	513.3	497.7	488.7	478.3	465.3	445.7	424.3	399.7	375.3	353.7	335.7
42.5°	559.3	543.7	530.3	514.0	491.3	461.0	430.7	398.7	369.3	344.7	325.3
45°	620.3	601.3	578.3	549.7	513.0	470.7	431.0	392.3	358.0	330.7	310.0
47.5°	695.0	666.0	628.3	580.0	527.3	473.3	425.7	379.7	340.3	310.7	287.7
50°	783.7	738.0	676.0	605.0	534.7	469.3	412.3	360.7	315.3	283.7	256.3
52.5°	885.0	810.3	719.0	623.0	534.3	456.0	389.7	332.0	282.7	247.3	221.3
55°	1004.0	893.0	763.3	636.3	525.0	431.3	355.0	291.7	242.3	209.7	185.7
57.5°	1178.3	1027.0	840.7	657.0	506.3	393.3	308.0	243.3	200.0	169.0	148.7
60°	1497.0	1250.7	980.0	698.7	477.7	337.7	253.0	191.7	155.3	130.3	116.7
62.5°	1737.0	1423.7	1055.3	689.3	420.0	269.0	187.7	139.7	114.3	97.3	88.7
65°	1702.7	1370.0	975.0	593.7	329.3	189.7	124.7	95.0	78.7	70.7	65.7
66°	1625.0	1300.0	905.3	534.3	284.7	157.7	102.7	79.7	67.7	62.0	58.7
67.5°	1477.7	1170.0	780.7	438.0	218.7	114.3	77.3	63.0	55.0	52.7	50.3
70°	1228.3	933.0	548.0	255.0	111.7	63.7	49.0	44.0	42.0	41.7	41.0
72.5°	941.3	660.3	322.7	120.7	58.0	42.3	38.0	36.3	35.7	35.7	36.0
75°	577.0	371.0	142.7	59.0	40.7	35.7	33.7	33.0	32.7	33.0	32.7
77.5°	192.7	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	46.7	41.3	35.0	31.3	29.3	29.0	29.3	29.7	28.7
82.5°	44.3	42.0	39.3	36.7	31.7	28.0	27.3	27.3	27.3	26.3	25.0
85°	32.7	32.3	26.7	25.0	23.3	23.3	23.3	23.3	22.3	20.7	19.3
87.5°	6.0	5.7	6.0	6.3	9.3	10.0	10.0	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	333.3	334.3	333.7	334.0
5°	336.7	336.3	337.0	336.3	337.3
7.5°	335.7	335.0	334.7	335.0	335.3
10°	328.7	328.0	327.7	327.3	327.7
12.5°	322.7	321.3	321.3	320.7	321.0
15°	318.3	317.3	317.0	316.3	316.7
17.5°	316.3	314.7	314.0	313.3	313.3
20°	315.0	313.0	312.0	311.3	311.0
22.5°	315.0	312.0	310.7	310.0	309.7
25°	316.3	312.7	310.7	309.7	309.3
27.5°	319.0	314.3	312.0	310.7	310.7
30°	323.7	317.7	314.3	312.7	312.3
32.5°	328.3	320.3	315.7	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	299.3	294.7	294.0
42.5°	308.7	296.3	287.3	284.0	283.0
45°	293.7	279.0	270.0	265.3	265.7
47.5°	268.0	253.0	245.0	240.7	241.3
50°	237.7	223.0	216.0	211.3	212.3
52.5°	204.3	191.0	184.3	182.0	181.3
55°	169.3	159.0	154.3	151.7	150.7
57.5°	137.3	130.0	126.7	123.3	123.7
60°	108.3	104.7	103.7	100.0	99.7
62.5°	85.3	83.0	82.0	79.3	79.7
65°	64.7	64.0	64.7	63.0	63.7
66°	58.3	58.7	58.7	57.7	58.3
67.5°	50.3	51.0	52.0	51.0	51.7
70°	41.7	42.3	43.0	43.0	43.0
72.5°	36.3	37.0	37.3	37.3	37.3
75°	33.3	33.7	34.0	33.3	33.3
77.5°	31.3	31.3	30.7	30.3	30.0
80°	28.3	28.0	27.0	26.3	26.3
82.5°	23.7	23.0	22.3	21.3	21.3
85°	18.0	17.3	16.7	15.3	14.7
87.5°	9.3	9.7	9.3	7.7	6.7
90°	0.0	0.0	0.0	0.0	0.0

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