

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: P154370

Luminaire Tested: **VXS-E01-LED-E1-T2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P154370
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
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-T2
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3063.8 lumens
Efficiency: N/A
Efficacy: 124.0 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: 25 FT



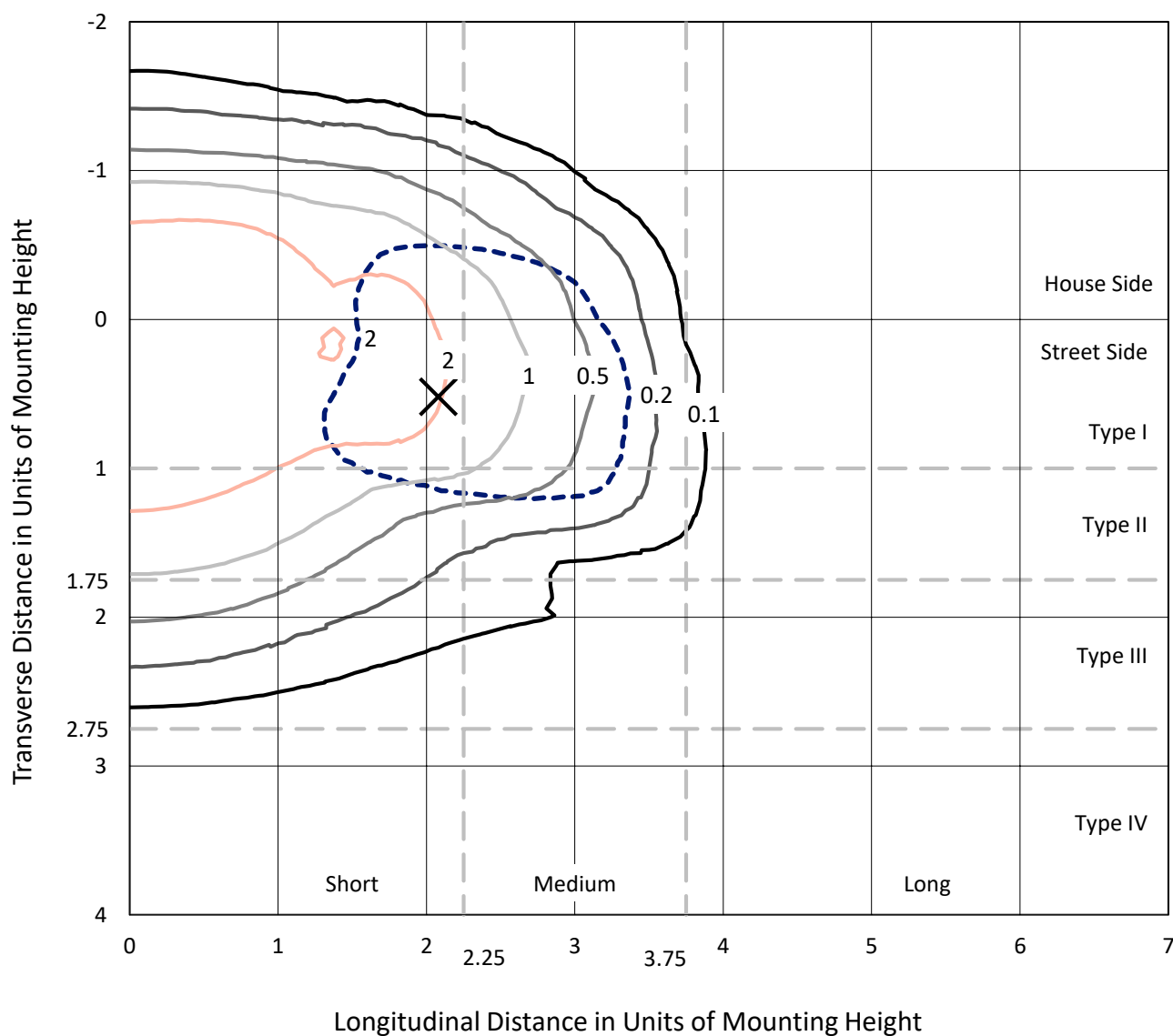
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

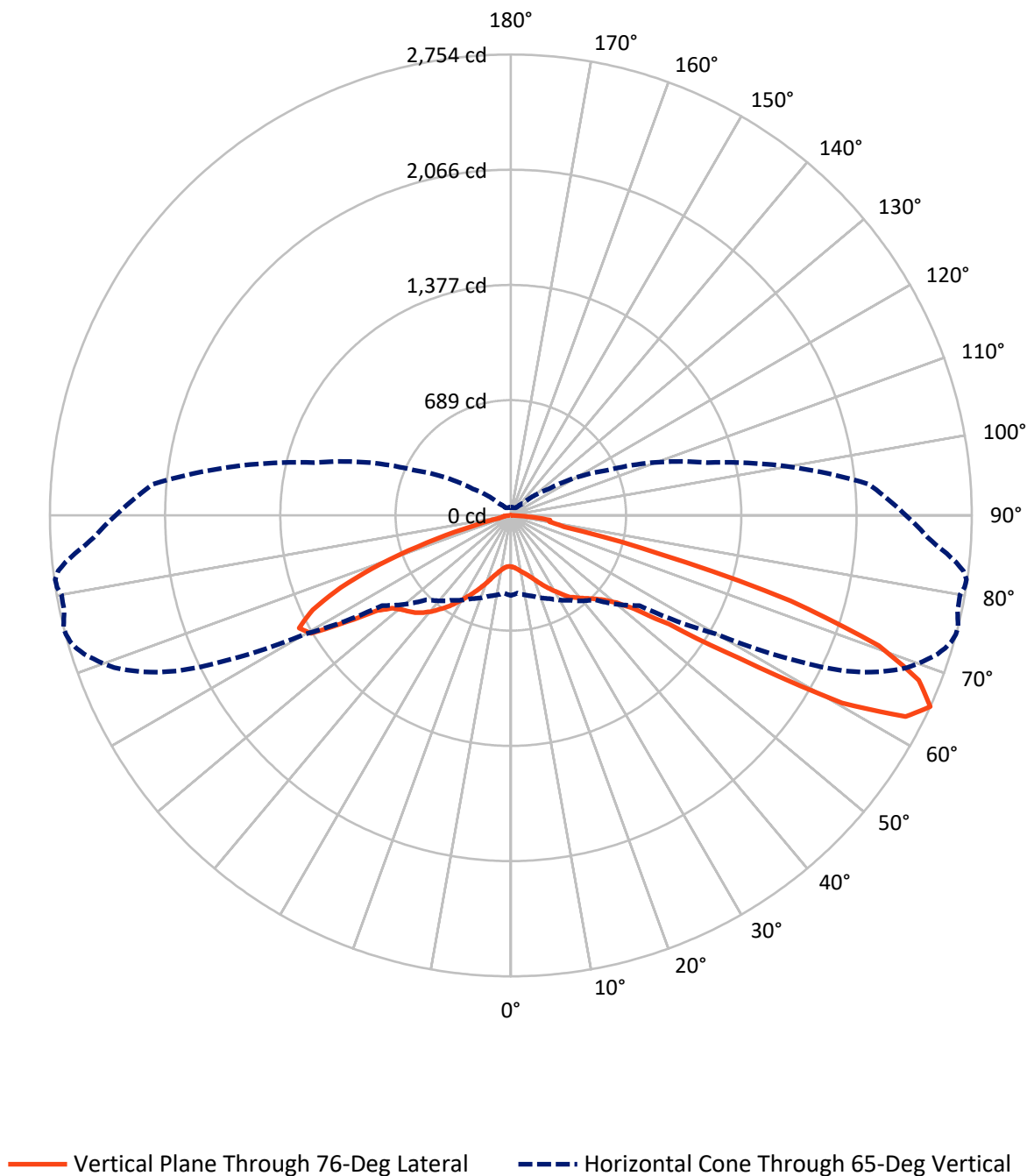


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1072.9	0.0	1072.9
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1991.0	0.0	1991.0
	% Fixture	65.0	0.0	65.0
Total	Lumens	3063.8	0.0	3063.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	1.0
10°-20°	105.4	3.4
20°-30°	207.0	6.8
30°-40°	343.9	11.2
40°-50°	505.4	16.5
50°-60°	699.7	22.8
60°-70°	835.2	27.3
70°-80°	295.3	9.6
80°-90°	41.3	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°	3063.8	100.0
0°-180°	3063.8	100.0

Coefficient of Utilization



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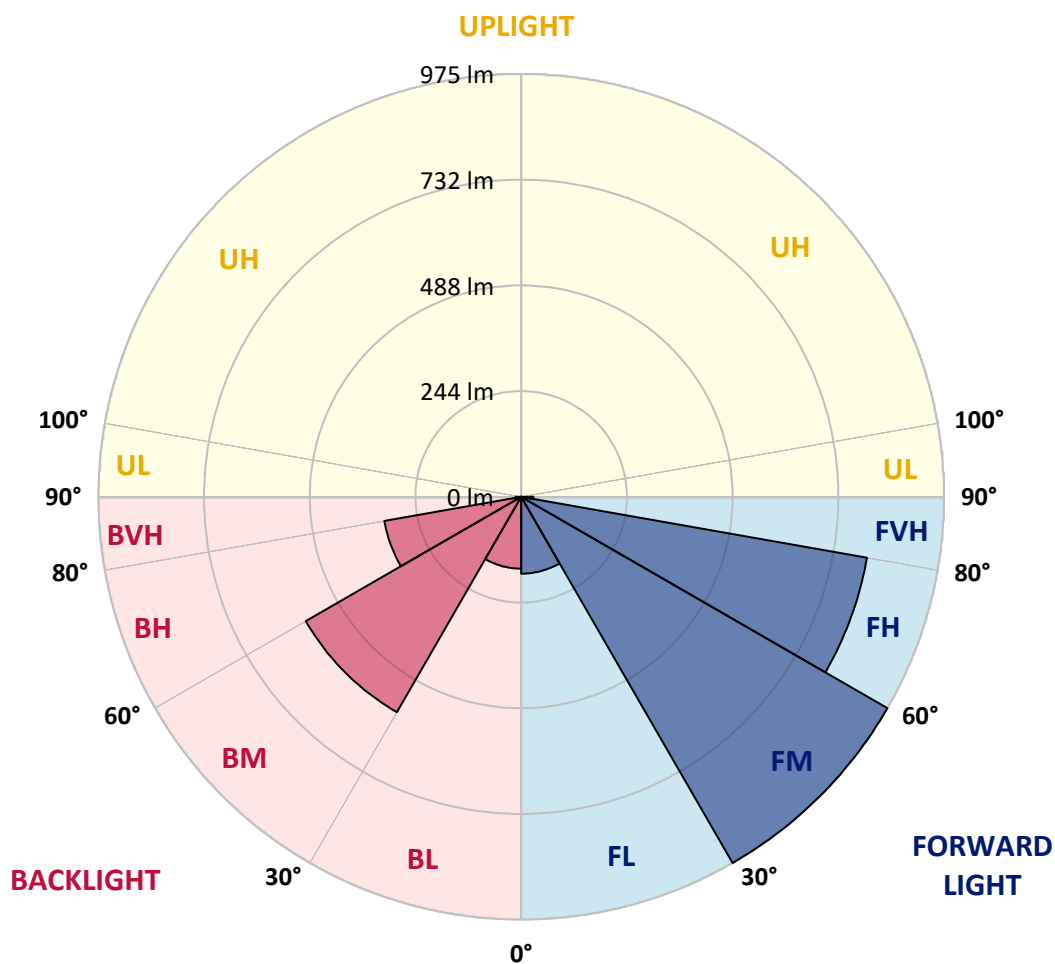
CATALOG NUMBER: VXS-E01-LED-E1-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.3	5.8			
FM	(30°-60°)	975.4	31.8			
FH	(60°-80°)	810.0	26.4			G1/1800
FVH	(80°-90°)	28.2	0.9			G1/100
BL	(0°-30°)	165.8	5.4	B1/500		
BM	(30°-60°)	573.6	18.7	B1/1000		
BH	(60°-80°)	320.5	10.5	B1/500		G1/500
BVH	(80°-90°)	13.1	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°	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3
2.5°	319.7	320.0	319.4	319.0	318.0	316.4	315.0	313.7	313.7	313.7	312.6
5°	333.7	334.3	333.0	332.0	329.0	327.4	325.0	323.3	322.7	322.4	321.3
7.5°	351.3	350.4	348.3	347.7	345.3	341.7	337.3	334.0	334.0	333.7	334.0
10°	369.0	366.3	365.3	364.4	360.6	356.0	351.0	347.4	347.0	346.6	345.7
12.5°	386.6	385.7	384.7	381.0	377.3	369.9	364.4	360.6	360.3	360.6	359.4
15°	409.9	407.7	406.6	400.3	392.3	384.4	377.3	374.0	373.0	373.4	372.3
17.5°	428.0	428.0	425.7	418.7	408.3	397.3	389.9	388.0	387.7	387.7	388.0
20°	442.4	442.0	439.7	434.0	421.7	410.7	407.0	406.3	406.0	406.0	407.0
22.5°	450.4	449.6	448.7	442.4	432.6	425.3	425.7	427.7	428.3	429.0	430.4
25°	454.3	453.4	453.0	448.7	441.7	440.6	446.6	452.0	453.4	454.7	456.4
27.5°	461.0	459.4	460.0	458.3	456.7	459.7	472.0	477.6	478.7	480.3	481.3
30°	479.4	478.7	481.3	482.0	483.3	487.7	499.0	504.4	506.6	506.6	511.3
32.5°	514.3	514.7	515.3	522.4	524.7	527.7	533.7	538.0	538.3	538.7	543.0
35°	561.3	563.3	569.0	575.0	580.6	580.3	576.7	579.0	577.3	579.4	579.7
37.5°	620.6	618.0	626.3	640.0	648.7	646.3	629.9	619.4	622.4	621.0	620.0
40°	666.3	669.3	685.3	703.3	710.1	717.3	696.0	677.6	675.0	670.1	667.0
42.5°	729.3	729.6	742.7	756.0	775.3	791.3	777.6	751.3	743.3	737.3	724.4
45°	787.7	786.6	797.3	813.7	836.7	859.7	864.7	836.0	833.0	822.4	805.3
47.5°	826.6	825.3	832.6	854.0	891.3	929.0	949.6	941.0	935.3	931.0	904.4
50°	853.0	850.4	858.7	881.3	923.0	981.0	1035.0	1042.4	1040.0	1040.0	1023.0
52.5°	872.6	872.6	878.7	897.0	939.4	1011.7	1108.3	1145.3	1148.3	1151.7	1150.7
55°	861.7	863.3	878.3	905.0	949.6	1033.0	1169.0	1249.9	1266.6	1280.6	1296.7
57.5°	824.0	829.6	849.6	893.4	952.3	1049.0	1236.4	1396.7	1443.6	1484.4	1547.7
60°	769.0	776.4	805.3	861.0	932.6	1023.0	1260.0	1520.6	1595.3	1684.0	1849.3
62.5°	674.7	682.0	710.4	766.0	827.4	923.3	1162.0	1539.0	1658.3	1784.0	2034.0
65°	478.0	466.3	499.0	549.0	619.4	712.3	939.0	1416.0	1587.7	1758.0	2066.6
67.5°	266.3	265.3	285.3	322.7	389.9	489.9	647.0	1086.0	1244.0	1437.0	1816.0
70°	183.6	185.7	198.3	238.7	294.3	380.6	461.0	682.0	795.6	926.6	1299.4
72.5°	129.0	133.4	140.3	164.4	221.3	320.6	471.0	407.7	464.4	553.7	781.3
75°	75.6	78.7	83.6	95.3	126.0	214.3	487.7	358.3	358.3	379.4	472.6
77.5°	46.6	46.6	49.6	54.3	67.0	105.0	347.4	402.7	391.3	379.4	380.3
80°	24.0	25.7	30.1	32.3	37.3	48.0	156.0	375.6	412.0	436.4	419.4
82.5°	11.0	12.3	18.3	19.7	21.7	25.3	53.7	213.7	286.3	377.0	471.0
85°	5.7	5.7	9.6	12.0	13.0	11.7	19.7	86.3	130.7	199.4	312.0
87.5°	1.0	1.0	1.7	2.0	3.0	2.7	3.3	5.0	8.3	9.0	9.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3
2.5°	312.3	312.6	312.3	312.0	311.3	311.3	311.3	311.0	311.0	311.0	310.7
5°	321.3	320.0	320.3	319.7	319.4	319.0	319.4	318.7	318.0	318.3	318.0
7.5°	332.6	332.0	330.7	330.7	330.4	329.6	329.6	328.7	328.3	327.7	327.4
10°	345.3	343.6	344.4	343.6	344.0	342.7	342.0	341.3	340.6	340.6	341.0
12.5°	358.3	358.0	357.0	356.4	356.4	355.3	355.6	355.3	354.3	354.0	353.0
15°	371.7	371.7	370.7	371.0	370.7	369.9	369.3	369.3	368.7	368.0	368.3
17.5°	387.4	387.4	387.4	387.4	387.7	386.6	387.0	386.3	385.7	387.0	387.0
20°	407.7	409.0	409.0	408.7	410.4	409.3	409.0	410.7	409.0	411.3	411.0
22.5°	431.0	432.3	432.3	433.7	434.0	435.0	435.6	435.0	436.4	437.6	437.6
25°	457.0	458.3	459.4	461.3	462.4	461.7	462.0	463.6	464.4	465.7	467.0
27.5°	484.4	484.7	486.0	488.3	489.9	490.7	491.0	493.7	494.0	494.7	496.0
30°	511.0	514.3	513.7	516.7	517.6	518.7	520.6	521.7	524.0	525.3	525.3
32.5°	542.4	541.7	544.4	546.6	548.3	550.1	551.7	553.0	554.3	555.0	558.3
35°	581.3	582.7	582.7	583.0	587.0	587.4	588.7	591.7	592.6	594.7	596.0
37.5°	620.0	617.6	617.3	617.3	616.0	617.0	617.3	617.6	619.0	619.4	620.6
40°	663.3	660.3	657.6	656.0	653.4	649.6	649.0	647.4	648.3	648.0	648.3
42.5°	722.7	714.3	708.0	703.3	698.0	694.0	691.0	686.6	683.6	680.0	679.4
45°	798.3	782.7	772.0	764.4	756.7	745.7	739.4	732.6	726.6	720.6	715.6
47.5°	897.6	881.0	864.0	849.9	838.0	820.3	802.4	792.3	780.6	770.4	763.0
50°	1014.7	994.7	986.6	967.0	952.0	925.3	903.0	886.6	863.3	847.7	834.0
52.5°	1134.3	1129.3	1125.0	1108.3	1090.7	1075.3	1055.6	1027.0	1003.3	985.3	957.3
55°	1297.3	1299.7	1298.0	1289.0	1282.7	1268.0	1260.0	1235.0	1224.4	1198.3	1169.0
57.5°	1571.7	1590.4	1614.0	1623.3	1636.0	1624.0	1638.0	1655.0	1612.6	1627.4	1601.0
60°	1922.0	2007.7	2058.7	2121.3	2162.4	2219.7	2230.1	2245.0	2240.6	2249.0	2266.0
62.5°	2136.0	2237.6	2335.3	2406.3	2482.4	2524.4	2575.0	2610.4	2647.0	2671.7	2664.7
65°	2199.0	2303.6	2392.3	2469.9	2538.0	2589.3	2636.4	2680.6	2714.3	2738.0	2752.0
67.5°	1967.7	2104.4	2197.6	2288.7	2376.4	2430.4	2469.6	2512.6	2562.0	2603.0	2611.0
70°	1480.6	1685.7	1818.0	1927.0	2030.1	2102.7	2157.6	2197.6	2236.0	2265.3	2297.3
72.5°	926.0	1105.3	1256.7	1398.0	1507.4	1607.4	1653.7	1742.4	1730.7	1753.0	1777.0
75°	555.0	642.4	725.7	825.3	882.7	966.0	981.0	995.6	988.0	963.0	981.7
77.5°	385.7	400.0	399.4	393.7	387.7	373.0	354.0	343.6	336.7	326.6	330.7
80°	388.0	357.0	309.6	260.3	215.0	185.0	173.0	173.0	185.3	203.0	220.6
82.5°	463.6	430.7	384.0	321.3	254.7	207.4	175.6	163.0	165.3	183.3	206.0
85°	312.6	320.0	280.6	256.7	203.3	158.3	132.6	107.7	95.3	98.3	111.3
87.5°	11.3	13.7	5.0	6.6	4.7	4.0	4.0	4.4	3.0	3.6	3.3
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°	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3
2.5°	310.4	310.1	310.1	309.3	309.3	309.0	309.0	308.7	308.3	308.3	308.0
5°	317.6	317.3	316.7	316.4	315.6	315.6	315.3	314.7	314.7	314.0	313.7
7.5°	328.0	327.4	326.6	326.3	326.0	325.0	325.0	324.4	324.4	323.6	323.3
10°	340.3	339.7	339.0	339.4	338.3	338.0	337.3	337.3	336.4	336.0	336.0
12.5°	353.7	353.4	353.4	352.3	352.0	351.7	350.4	350.4	350.4	349.6	350.1
15°	368.0	368.3	367.4	368.3	368.0	367.0	367.0	367.0	365.7	367.4	366.0
17.5°	387.4	388.3	387.7	388.0	387.4	387.4	387.7	387.4	388.0	388.0	389.9
20°	411.3	411.7	413.4	412.6	412.6	412.3	413.0	413.4	414.7	414.0	415.3
22.5°	437.6	439.4	439.7	441.0	441.0	440.6	441.3	442.7	443.3	444.4	444.0
25°	467.7	468.7	470.1	468.3	471.0	471.0	471.7	473.4	473.7	473.7	476.0
27.5°	495.6	498.3	498.7	500.3	499.4	500.0	502.4	503.3	504.7	504.7	505.3
30°	527.4	528.3	529.0	531.0	530.7	531.0	531.3	533.0	533.0	534.7	536.4
32.5°	560.0	560.6	561.3	563.3	564.0	565.3	564.7	566.0	567.7	568.0	569.0
35°	599.0	599.7	600.3	603.3	603.6	606.0	606.6	606.0	608.7	607.0	608.7
37.5°	621.7	624.7	625.3	627.4	626.6	628.3	629.3	630.7	631.3	632.6	635.3
40°	649.3	650.4	652.3	653.4	654.7	655.0	656.4	657.3	658.3	661.3	664.4
42.5°	677.6	679.0	680.0	681.3	683.0	684.4	685.3	688.3	689.0	691.0	696.7
45°	712.0	711.3	711.7	712.0	712.6	714.3	717.3	720.3	722.4	727.0	731.7
47.5°	754.7	750.4	748.7	746.0	746.6	750.4	751.0	756.0	760.0	764.4	769.9
50°	819.4	807.7	800.6	793.7	793.0	795.0	797.6	803.0	807.7	813.4	821.3
52.5°	928.0	905.7	891.7	872.3	867.0	866.0	864.0	867.0	868.3	876.0	891.0
55°	1148.0	1106.6	1080.0	1049.9	1022.0	1013.7	997.6	1001.0	997.6	1002.4	1024.7
57.5°	1607.4	1574.3	1548.3	1509.9	1462.0	1411.0	1398.3	1346.0	1356.4	1386.3	1367.0
60°	2274.3	2262.4	2243.6	2225.3	2159.7	2122.7	2062.4	2055.6	2013.4	2013.7	1986.0
62.5°	2647.7	2663.0	2651.7	2646.3	2642.7	2631.0	2601.0	2565.0	2511.0	2472.0	2414.7
65°	2754.3	2741.3	2729.0	2727.4	2726.3	2745.3	2749.6	2724.4	2675.3	2614.7	2548.7
67.5°	2630.1	2622.7	2623.3	2609.3	2618.0	2651.0	2674.0	2667.0	2622.0	2548.7	2464.7
70°	2334.0	2319.7	2334.3	2352.6	2365.7	2384.7	2407.7	2413.4	2372.3	2297.0	2211.3
72.5°	1747.7	1750.1	1764.0	1769.0	1821.3	1816.0	1836.7	1769.3	1739.7	1668.0	1624.0
75°	919.7	904.7	943.6	861.0	827.0	850.7	784.4	720.6	734.0	745.0	665.7
77.5°	325.0	304.0	268.3	254.0	211.3	179.0	146.3	132.0	124.4	120.3	115.3
80°	233.4	240.0	232.6	215.3	183.0	146.6	115.6	91.3	78.3	71.3	66.6
82.5°	236.0	262.4	274.0	269.0	239.7	181.3	119.7	76.4	56.7	47.4	44.0
85°	126.6	138.7	133.4	112.3	101.0	60.3	41.3	27.7	23.3	21.3	19.7
87.5°	5.0	4.0	3.3	3.3	3.6	4.0	3.3	3.6	3.3	3.3	3.3
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°	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3
2.5°	307.4	307.4	307.4	307.0	306.3	304.7	303.0	301.7	300.6	299.7	298.3
5°	313.4	312.6	312.6	312.6	310.1	307.4	305.0	302.7	300.6	299.0	297.6
7.5°	323.3	323.0	321.7	321.3	319.4	315.0	312.3	308.3	306.0	303.6	303.0
10°	335.3	335.0	334.7	334.3	331.7	327.4	324.0	320.3	317.0	313.7	310.4
12.5°	349.3	349.0	348.7	347.7	346.6	344.4	340.6	336.7	332.6	325.7	322.0
15°	366.6	367.4	366.6	366.3	365.7	366.0	363.6	358.0	351.7	342.7	335.0
17.5°	389.6	389.0	388.7	389.9	389.6	391.3	390.7	383.3	373.7	359.4	346.0
20°	415.0	415.0	416.4	417.3	420.3	424.7	422.7	413.7	396.0	376.0	358.7
22.5°	445.3	446.0	447.4	446.6	451.3	458.3	459.0	446.3	423.3	395.6	371.3
25°	477.0	477.6	476.4	478.3	486.0	496.0	498.0	480.0	449.6	413.7	382.0
27.5°	507.0	507.7	507.7	510.4	517.6	534.7	536.7	516.7	476.4	429.3	389.6
30°	536.4	539.0	539.7	540.3	551.3	575.0	579.4	550.4	499.7	441.0	395.0
32.5°	573.4	574.3	575.6	577.3	590.1	619.0	619.0	579.4	514.7	448.3	396.0
35°	613.0	613.4	616.4	616.7	634.7	663.6	658.0	603.3	525.3	446.6	388.7
37.5°	637.0	638.3	641.3	645.3	664.4	705.3	692.3	624.0	527.4	435.6	372.0
40°	666.6	669.3	672.3	676.4	704.7	747.7	721.3	637.0	519.0	414.0	347.0
42.5°	698.7	702.4	707.0	714.3	748.0	785.0	743.3	639.0	500.0	389.6	317.3
45°	734.7	741.3	746.6	755.3	793.4	817.3	756.7	627.4	476.0	357.6	285.7
47.5°	776.4	781.7	791.0	800.3	838.3	839.4	758.0	604.7	443.3	325.7	252.0
50°	827.7	831.0	845.0	850.7	886.3	862.4	748.3	574.0	409.0	289.6	214.7
52.5°	896.0	900.6	918.7	927.4	952.6	893.7	734.7	540.6	369.6	249.3	176.4
55°	1031.0	1051.3	1064.0	1079.0	1095.3	964.7	728.7	505.0	325.3	202.7	139.7
57.5°	1409.9	1403.3	1431.3	1465.3	1465.0	1127.0	764.7	474.3	273.0	155.0	107.4
60°	1974.7	1981.0	1966.6	1987.0	1922.4	1328.3	814.0	442.0	214.0	115.3	82.0
62.5°	2394.3	2357.6	2337.3	2313.4	2171.0	1350.4	778.0	375.6	155.6	81.0	63.0
65°	2493.7	2450.7	2407.0	2361.3	2146.6	1217.3	638.3	275.6	100.6	55.6	49.9
67.5°	2395.6	2326.6	2271.0	2224.0	1967.0	1009.0	466.6	169.3	57.6	45.0	42.7
70°	2141.7	2065.3	1975.3	1922.7	1656.4	743.6	299.0	91.3	44.4	40.0	39.0
72.5°	1567.7	1505.0	1406.6	1346.3	1189.3	452.0	167.0	51.3	41.3	38.3	37.0
75°	610.7	578.0	537.0	540.3	482.4	200.0	75.6	44.4	40.3	37.6	36.4
77.5°	105.0	102.4	94.7	94.7	107.7	73.0	50.4	44.7	40.0	37.0	34.7
80°	63.0	61.7	58.7	58.0	56.0	51.3	48.3	45.3	39.4	35.0	32.0
82.5°	41.3	39.7	38.7	38.3	41.7	45.0	45.3	45.0	37.3	30.4	26.0
85°	17.6	17.6	17.6	18.0	24.0	36.4	37.3	40.0	30.7	23.6	18.7
87.5°	3.0	3.6	3.6	4.0	4.4	8.0	9.9	13.0	10.4	9.9	9.0
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):

	165°	175°	180°
0°	306.3	306.3	306.3
2.5°	298.0	297.3	297.3
5°	297.0	296.4	296.7
7.5°	301.0	299.7	300.0
10°	308.3	307.0	306.3
12.5°	317.6	316.0	316.0
15°	327.4	323.3	323.0
17.5°	335.3	330.4	329.6
20°	344.4	337.6	336.7
22.5°	352.6	343.6	342.4
25°	358.7	347.7	346.0
27.5°	361.3	348.3	347.0
30°	363.3	348.7	346.6
32.5°	361.3	345.7	344.0
35°	350.4	333.4	332.3
37.5°	331.3	312.3	311.0
40°	306.3	286.3	283.0
42.5°	274.3	255.6	252.0
45°	243.3	222.0	220.3
47.5°	209.9	189.6	190.7
50°	175.0	156.7	156.4
52.5°	141.7	125.7	124.7
55°	111.7	100.3	99.4
57.5°	88.3	82.4	81.3
60°	72.0	69.0	68.0
62.5°	58.0	57.0	56.7
65°	48.3	48.3	48.3
67.5°	42.0	42.4	42.4
70°	38.7	39.0	38.7
72.5°	37.3	38.3	38.3
75°	36.4	37.0	35.6
77.5°	35.6	36.0	33.7
80°	35.3	35.0	30.7
82.5°	30.7	29.6	26.0
85°	28.0	21.3	18.0
87.5°	14.3	9.9	7.7
90°	0.0	0.0	0.0

(END OF REPORT)