

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: P150480

Luminaire Tested: **VXS-E06-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150480
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-E06-LED-E1-SL3-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10402.9 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 150.5
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

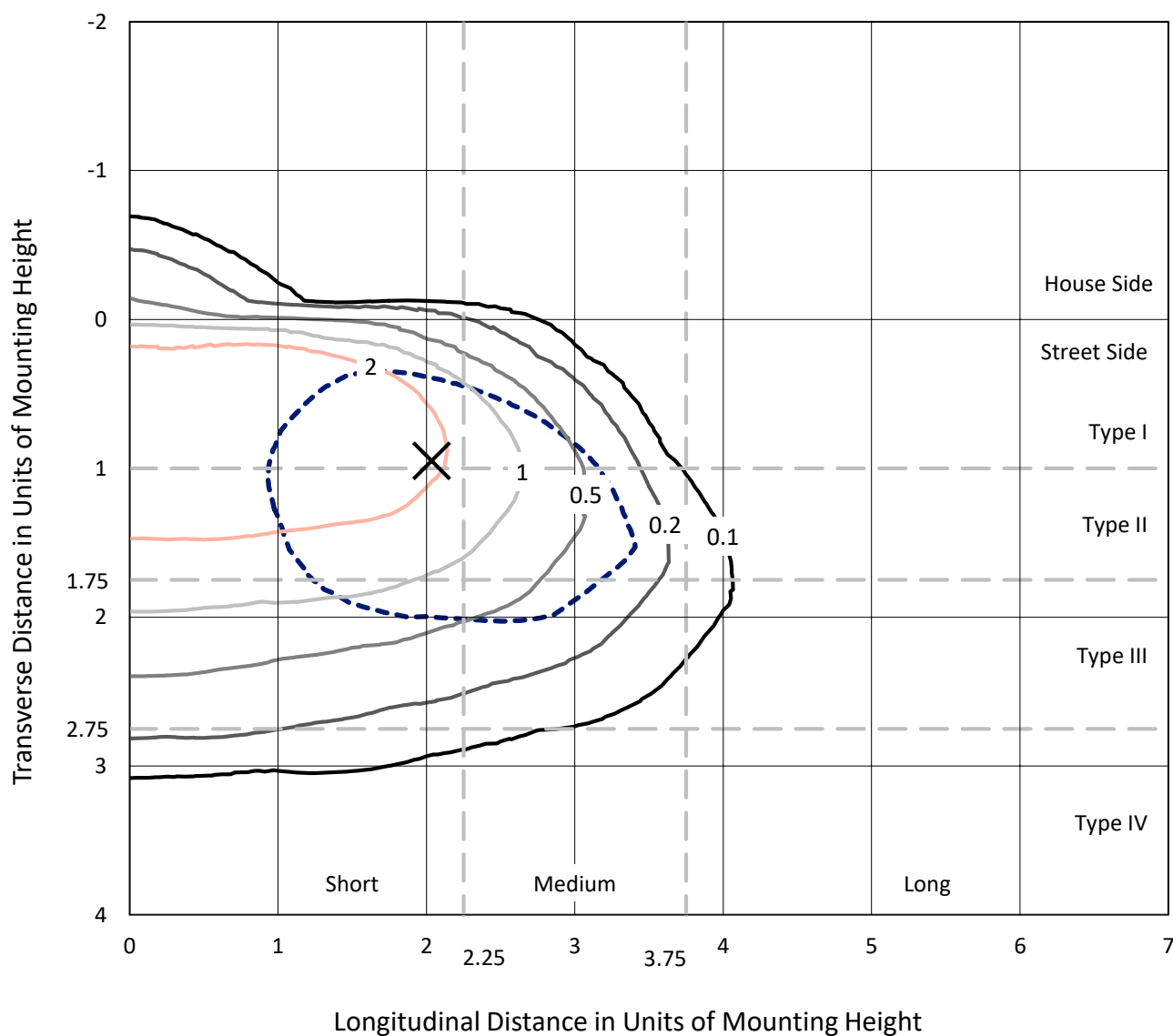


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

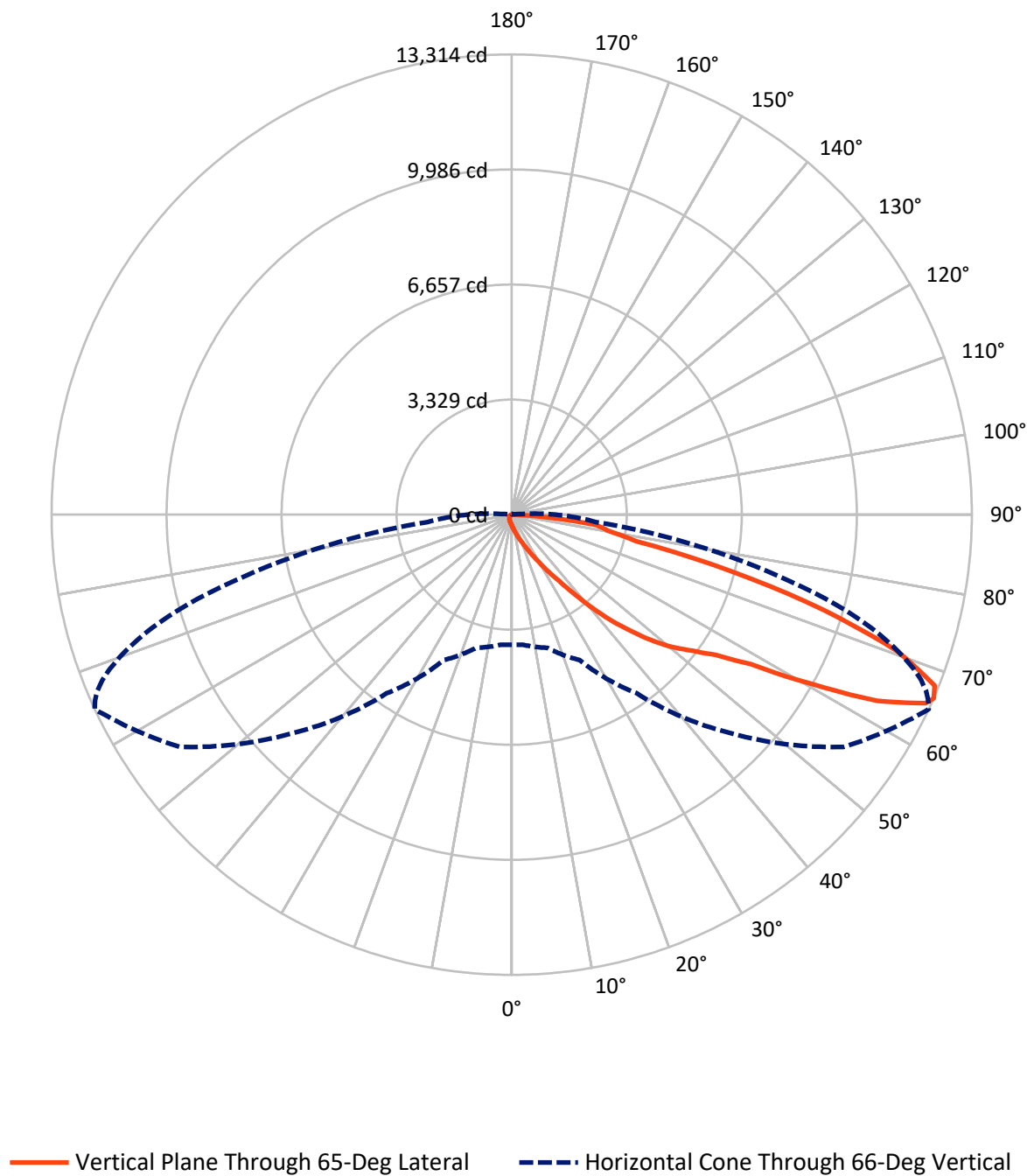


Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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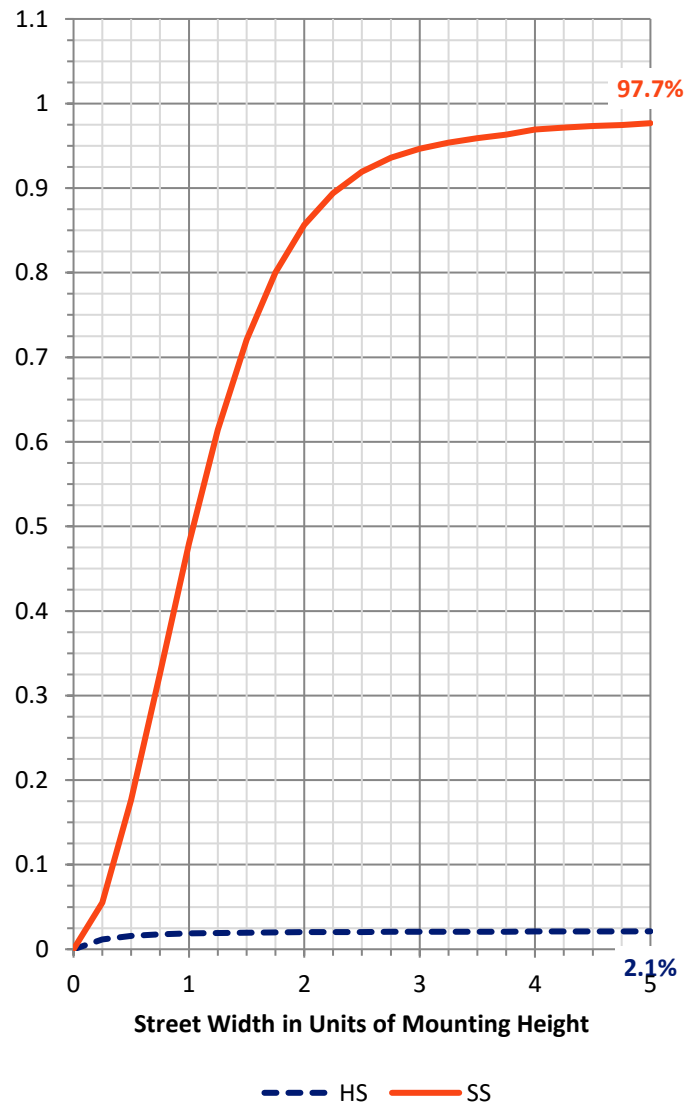
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.4	0.0	225.4
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	10177.5	0.0	10177.5
	% Fixture	97.8	0.0	97.8
Total	Lumens	10402.9	0.0	10402.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	0.3
10°-20°	149.0	1.4
20°-30°	321.5	3.1
30°-40°	686.5	6.6
40°-50°	1518.2	14.6
50°-60°	2572.8	24.7
60°-70°	3433.2	33.0
70°-80°	1512.3	14.5
80°-90°	174.2	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°	10402.9	100.0
0°-180°	10402.9	100.0

Coefficient of Utilization



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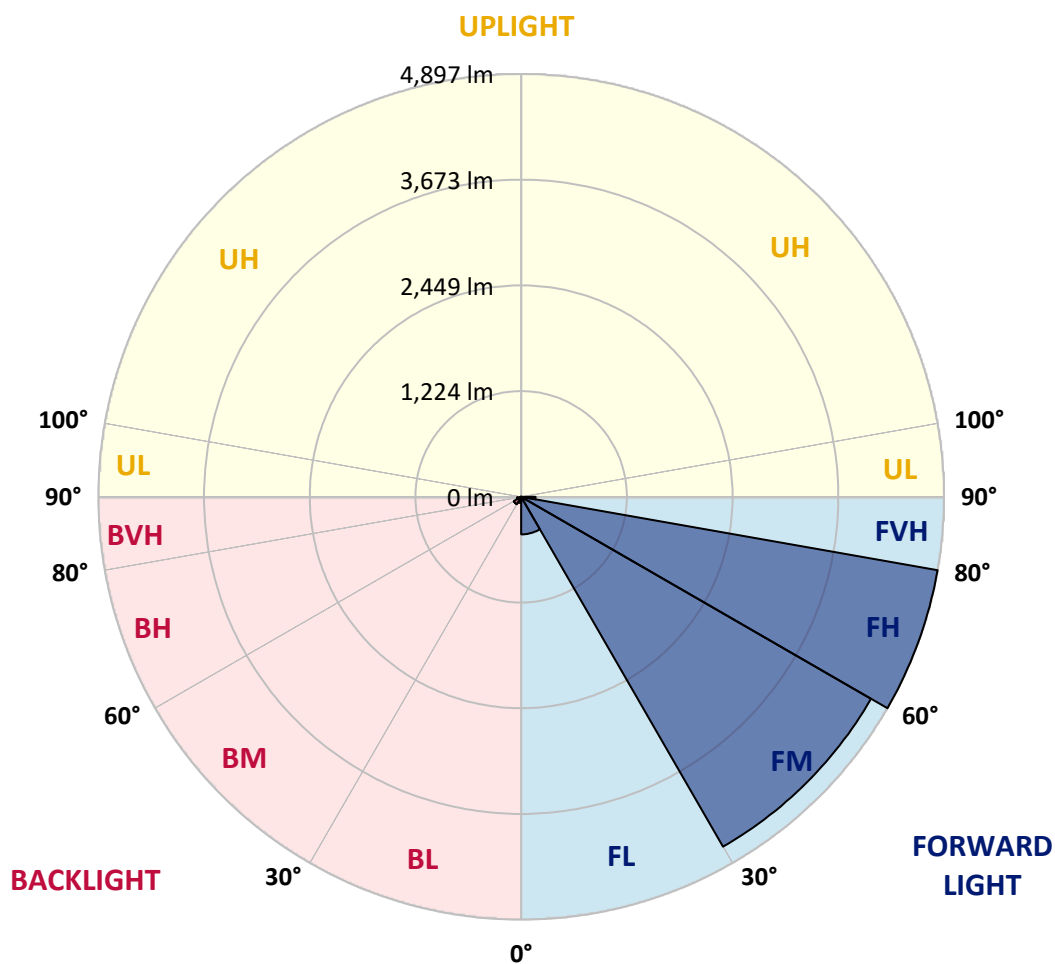
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	434.5	4.2			
FM	(30°-60°)	4678.5	45.0			
FH	(60°-80°)	4897.2	47.1			G2/5000
FVH	(80°-90°)	167.3	1.6			G2/225
BL	(0°-30°)	71.1	0.7	B0/110		
BM	(30°-60°)	99.0	1.0	B0/220		
BH	(60°-80°)	48.4	0.5	B0/110		G0/110
BVH	(80°-90°)	6.9	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°	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
2.5°	396.0	394.0	386.0	386.0	374.0	366.0	356.0	346.0	346.0	344.0	342.0
5°	524.0	512.0	510.1	488.0	470.1	444.0	420.0	388.0	384.0	380.0	378.0
7.5°	666.0	664.0	646.0	620.0	584.0	536.0	488.0	436.0	428.0	424.0	416.0
10°	849.9	840.0	816.0	772.0	718.0	654.0	576.0	494.0	484.0	476.0	472.0
12.5°	1026.0	1008.0	994.0	938.0	870.1	776.0	682.0	564.0	556.0	546.0	529.9
15°	1190.1	1174.0	1150.1	1102.0	1026.0	908.0	798.0	654.0	634.0	620.0	608.0
17.5°	1318.0	1308.0	1280.0	1226.0	1144.0	1040.0	908.0	746.0	729.9	712.0	689.9
20°	1440.0	1426.0	1382.0	1308.0	1220.0	1140.0	1038.0	866.0	844.0	822.0	798.0
22.5°	1556.0	1542.0	1470.1	1348.0	1254.0	1220.0	1184.0	1002.0	968.0	950.1	926.0
25°	1718.0	1688.0	1576.0	1382.0	1256.0	1282.0	1344.0	1178.0	1146.0	1120.0	1082.0
27.5°	1936.0	1896.0	1720.0	1432.0	1264.0	1350.1	1528.0	1392.0	1358.0	1328.0	1286.0
30°	2182.0	2156.0	1946.0	1552.0	1322.0	1449.9	1734.0	1664.0	1624.0	1588.0	1538.0
32.5°	2430.1	2394.0	2186.0	1780.0	1478.0	1644.0	1992.0	1980.0	1928.0	1894.0	1840.0
35°	2648.0	2630.1	2476.0	2154.0	1834.0	1984.0	2336.0	2350.1	2304.0	2268.0	2208.0
37.5°	2796.0	2796.0	2766.0	2556.0	2400.0	2512.0	2842.0	2844.0	2798.0	2716.0	2686.0
40°	2872.0	2894.0	3002.0	3042.0	3034.0	3178.0	3506.0	3470.1	3432.0	3390.1	3289.9
42.5°	3028.0	3048.0	3278.0	3554.0	3734.0	3924.0	4150.1	4138.0	4092.0	4016.0	3924.0
45°	3292.0	3318.0	3592.0	4030.1	4400.0	4670.1	4814.0	4758.0	4712.0	4640.0	4592.0
47.5°	3628.0	3678.0	3988.0	4529.9	4976.0	5422.0	5572.0	5424.0	5384.0	5328.0	5249.9
50°	3986.0	4034.0	4364.0	4984.0	5488.0	6020.0	6270.1	6020.0	5962.0	5944.0	5856.0
52.5°	4296.0	4336.0	4654.0	5334.0	5880.0	6504.0	6868.0	6538.0	6496.0	6436.0	6372.0
55°	4480.0	4512.0	4809.9	5502.0	6146.0	6940.0	7446.0	7156.0	7094.0	7070.1	6978.0
57.5°	4542.0	4574.0	4842.0	5524.0	6289.9	7338.0	8148.0	8158.0	8084.0	7998.0	7969.9
60°	4542.0	4578.0	4804.0	5470.1	6430.1	7762.0	9084.0	9918.0	9758.0	9742.0	9640.0
62.5°	4354.0	4388.0	4616.0	5304.0	6618.0	8334.0	10388.0	11860.0	11814.0	11710.1	11542.0
65°	3946.0	3966.0	4190.1	4880.0	6546.0	8860.0	11518.0	13152.0	13078.0	12874.0	12658.0
66°	3762.0	3778.0	3988.0	4638.0	6310.1	8932.0	11718.0	13314.0	13192.0	13020.0	12776.0
67.5°	3496.0	3524.0	3672.0	4188.0	5744.0	8682.0	11592.0	13200.0	13094.0	12886.0	12642.0
70°	2334.0	2314.0	2836.0	3214.0	4376.0	7074.0	10400.0	11852.0	11854.0	11756.0	11658.0
72.5°	1108.0	1120.0	1272.0	1978.0	2864.0	4726.0	8278.0	9460.0	9596.0	9420.0	9298.0
75°	796.0	814.0	906.0	1209.9	1708.0	2836.0	5366.0	6616.0	6620.0	6308.0	6030.1
77.5°	232.0	242.0	340.0	746.0	1280.0	1914.0	3082.0	3678.0	3592.0	3368.0	3158.0
80°	96.0	96.0	100.0	238.0	514.0	1300.0	2156.0	2832.0	2822.0	2736.0	2612.0
82.5°	36.0	38.0	48.0	98.0	122.0	320.0	1438.0	2458.0	2452.0	2329.9	2242.0
85°	4.0	4.0	12.0	42.0	46.0	60.0	288.0	1084.0	1078.0	1084.0	950.1
87.5°	0.0	0.0	2.0	4.0	6.0	8.0	12.0	42.0	46.0	44.0	40.0
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
2.5°	342.0	338.0	338.0	336.0	336.0	336.0	334.0	332.0	332.0	329.9	328.0
5°	374.0	369.9	368.0	364.0	362.0	360.0	356.0	354.0	350.1	348.0	346.0
7.5°	412.0	404.0	402.0	396.0	389.9	386.0	382.0	376.0	372.0	364.0	362.0
10°	460.0	449.9	442.0	434.0	428.0	418.0	412.0	404.0	396.0	389.9	384.0
12.5°	522.0	508.0	496.0	488.0	474.0	462.0	449.9	444.0	428.0	420.0	409.9
15°	590.1	574.0	560.0	544.0	534.0	514.0	498.0	480.0	472.0	458.0	442.0
17.5°	678.0	652.0	629.9	614.0	594.0	574.0	556.0	538.0	514.0	498.0	478.0
20°	772.0	750.1	720.0	692.0	668.0	644.0	618.0	594.0	572.0	546.0	522.0
22.5°	892.0	860.0	824.0	796.0	764.0	738.0	702.0	670.1	634.0	600.0	572.0
25°	1044.0	1002.0	968.0	928.0	889.9	849.9	806.0	766.0	720.0	688.0	640.0
27.5°	1232.0	1192.0	1146.0	1094.0	1056.0	996.0	938.0	888.0	834.0	784.0	729.9
30°	1472.0	1414.0	1366.0	1316.0	1240.0	1182.0	1114.0	1046.0	972.0	922.0	840.0
32.5°	1760.0	1698.0	1626.0	1554.0	1484.0	1402.0	1318.0	1234.0	1152.0	1060.0	976.0
35°	2112.0	2038.0	1956.0	1878.0	1769.9	1682.0	1576.0	1460.0	1368.0	1262.0	1156.0
37.5°	2578.0	2456.0	2384.0	2302.0	2156.0	2036.0	1918.0	1802.0	1640.0	1528.0	1378.0
40°	3162.0	3089.9	2972.0	2840.0	2708.0	2550.1	2390.1	2236.0	2048.0	1892.0	1718.0
42.5°	3848.0	3742.0	3622.0	3432.0	3298.0	3112.0	2929.9	2726.0	2496.0	2296.0	2092.0
45°	4492.0	4366.0	4274.0	4084.0	3944.0	3724.0	3504.0	3288.0	3022.0	2764.0	2528.0
47.5°	5188.0	5084.0	4932.0	4778.0	4636.0	4388.0	4150.1	3888.0	3608.0	3302.0	2996.0
50°	5800.0	5718.0	5614.0	5428.0	5270.1	5062.0	4782.0	4496.0	4142.0	3838.0	3489.9
52.5°	6320.0	6256.0	6110.1	5978.0	5836.0	5640.0	5389.9	5116.0	4734.0	4400.0	4004.0
55°	6934.0	6888.0	6760.0	6678.0	6552.0	6364.0	6129.9	5876.0	5472.0	5108.0	4660.0
57.5°	7940.0	7904.0	7792.0	7758.0	7634.0	7470.1	7182.0	6910.1	6438.0	5986.0	5474.0
60°	9606.0	9534.0	9369.9	9286.0	9024.0	8804.0	8430.1	8056.0	7486.0	6910.1	6294.0
62.5°	11390.1	11188.0	10876.0	10608.0	10236.0	9854.0	9354.0	8782.0	8114.0	7430.1	6722.0
65°	12352.0	12008.0	11614.0	11188.0	10706.0	10144.0	9514.0	8828.0	8110.1	7388.0	6640.0
66°	12462.0	12074.0	11656.0	11182.0	10646.0	10048.0	9408.0	8688.0	7942.0	7238.0	6489.9
67.5°	12324.0	11918.0	11476.0	10950.1	10369.9	9750.1	9078.0	8329.9	7612.0	6898.0	6169.9
70°	11358.0	10954.0	10560.0	10006.0	9388.0	8764.0	8128.0	7292.0	6612.0	5956.0	5308.0
72.5°	9070.1	8796.0	8406.0	7932.0	7329.9	6598.0	6068.0	5320.0	4729.9	4094.0	3592.0
75°	5668.0	5282.0	4800.0	4196.0	3736.0	3142.0	2832.0	2264.0	1928.0	1634.0	1350.1
77.5°	2898.0	2608.0	2269.9	1929.9	1604.0	1280.0	990.1	700.0	472.0	328.0	244.0
80°	2394.0	2138.0	1858.0	1548.0	1260.0	978.0	704.0	480.0	306.0	200.0	156.0
82.5°	1978.0	1762.0	1512.0	1224.0	974.0	768.0	534.0	348.0	216.0	140.0	110.1
85°	842.0	764.0	590.1	468.0	352.0	260.0	182.0	122.0	86.0	70.1	64.0
87.5°	36.0	40.0	38.0	30.1	22.0	22.0	20.0	16.0	16.0	16.0	16.0
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°	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0	314.0
2.5°	328.0	326.0	324.0	324.0	322.0	320.0	308.0	298.0	286.0	278.0	270.1
5°	342.0	340.0	336.0	334.0	329.9	328.0	302.0	280.0	262.0	248.0	238.0
7.5°	356.0	354.0	348.0	342.0	340.0	336.0	294.0	266.0	242.0	226.0	216.0
10°	374.0	368.0	362.0	354.0	348.0	342.0	286.0	249.9	224.0	209.9	200.0
12.5°	400.0	389.9	380.0	369.9	362.0	352.0	282.0	236.0	209.9	194.0	184.0
15°	430.1	416.0	404.0	392.0	378.0	368.0	274.0	224.0	198.0	182.0	169.9
17.5°	458.0	442.0	424.0	406.0	392.0	378.0	266.0	212.0	186.0	169.9	158.0
20°	498.0	474.0	452.0	430.1	409.9	392.0	254.0	200.0	176.0	158.0	146.0
22.5°	542.0	514.0	486.0	456.0	430.1	406.0	244.0	190.1	166.0	148.0	134.0
25°	598.0	564.0	526.0	488.0	458.0	426.0	234.0	180.0	156.0	138.0	124.0
27.5°	676.0	628.0	586.0	538.0	492.0	456.0	226.0	172.0	146.0	128.0	114.0
30°	782.0	712.0	646.0	594.0	540.0	488.0	218.0	162.0	138.0	118.0	102.0
32.5°	900.0	818.0	742.0	664.0	596.0	536.0	209.9	154.0	128.0	108.0	94.0
35°	1046.0	942.0	840.0	750.1	668.0	588.0	202.0	146.0	120.0	98.0	84.0
37.5°	1256.0	1126.0	992.0	876.0	769.9	664.0	196.0	138.0	110.1	88.0	74.0
40°	1544.0	1376.0	1212.0	1054.0	916.0	784.0	188.0	129.9	102.0	80.0	66.0
42.5°	1856.0	1652.0	1436.0	1258.0	1068.0	902.0	180.0	122.0	94.0	72.0	58.0
45°	2244.0	1990.1	1728.0	1486.0	1254.0	1040.0	172.0	114.0	84.0	64.0	49.9
47.5°	2668.0	2344.0	2048.0	1744.0	1468.0	1212.0	162.0	108.0	76.0	56.0	44.0
50°	3104.0	2762.0	2388.0	2042.0	1714.0	1384.0	152.0	98.0	68.0	49.9	36.0
52.5°	3574.0	3169.9	2788.0	2358.0	1976.0	1609.9	142.0	89.9	62.0	44.0	30.1
55°	4172.0	3720.0	3272.0	2790.1	2329.9	1872.0	132.0	80.0	54.0	38.0	24.0
57.5°	4924.0	4388.0	3838.0	3294.0	2736.0	2216.0	124.0	70.1	46.0	32.0	20.0
60°	5634.0	5008.0	4342.0	3716.0	3086.0	2480.0	112.0	62.0	40.0	26.0	20.0
62.5°	6002.0	5288.0	4569.9	3880.0	3208.0	2574.0	100.0	52.0	34.0	22.0	18.0
65°	5912.0	5184.0	4488.0	3792.0	3134.0	2514.0	88.0	46.0	30.1	20.0	18.0
66°	5782.0	5062.0	4362.0	3700.0	3072.0	2449.9	82.0	44.0	28.0	20.0	16.0
67.5°	5498.0	4802.0	4134.0	3518.0	2902.0	2328.0	74.0	40.0	26.0	18.0	16.0
70°	4696.0	4064.0	3529.9	2982.0	2480.0	1962.0	60.0	34.0	22.0	16.0	16.0
72.5°	3108.0	2678.0	2322.0	1998.0	1670.1	1296.0	49.9	28.0	18.0	16.0	14.0
75°	1172.0	1060.0	910.1	818.0	714.0	626.0	40.0	18.0	14.0	14.0	14.0
77.5°	208.0	192.0	169.9	156.0	144.0	132.0	32.0	12.0	12.0	14.0	14.0
80°	140.0	129.9	118.0	108.0	100.0	89.9	22.0	9.9	12.0	12.0	14.0
82.5°	100.0	94.0	88.0	80.0	74.0	66.0	14.0	9.9	12.0	12.0	12.0
85°	60.0	56.0	52.0	48.0	42.0	40.0	9.9	9.9	9.9	12.0	12.0
87.5°	16.0	14.0	16.0	16.0	12.0	14.0	8.0	8.0	8.0	9.9	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):

	145°	155°	165°	175°	180°
0°	314.0	314.0	314.0	314.0	314.0
2.5°	266.0	266.0	262.0	268.0	268.0
5°	230.1	230.1	228.0	230.1	230.1
7.5°	209.9	208.0	208.0	208.0	209.9
10°	192.0	190.1	190.1	190.1	190.1
12.5°	176.0	174.0	172.0	174.0	174.0
15°	162.0	158.0	158.0	158.0	158.0
17.5°	150.1	146.0	144.0	144.0	144.0
20°	138.0	132.0	132.0	132.0	132.0
22.5°	126.0	120.0	120.0	120.0	120.0
25°	114.0	108.0	108.0	108.0	108.0
27.5°	104.0	98.0	98.0	98.0	98.0
30°	92.0	88.0	88.0	89.9	88.0
32.5°	84.0	78.0	78.0	80.0	80.0
35°	74.0	70.1	70.1	70.1	70.1
37.5°	64.0	60.0	60.0	60.0	60.0
40°	56.0	52.0	49.9	52.0	52.0
42.5°	48.0	44.0	42.0	42.0	42.0
45°	42.0	36.0	34.0	36.0	36.0
47.5°	34.0	30.1	30.1	32.0	32.0
50°	26.0	26.0	28.0	32.0	32.0
52.5°	24.0	24.0	28.0	32.0	32.0
55°	22.0	24.0	28.0	30.1	32.0
57.5°	20.0	24.0	28.0	30.1	30.1
60°	20.0	22.0	26.0	30.1	30.1
62.5°	18.0	20.0	24.0	28.0	28.0
65°	18.0	20.0	24.0	28.0	28.0
66°	18.0	20.0	24.0	28.0	28.0
67.5°	18.0	20.0	24.0	28.0	28.0
70°	18.0	20.0	24.0	26.0	26.0
72.5°	16.0	18.0	22.0	26.0	26.0
75°	16.0	18.0	22.0	26.0	26.0
77.5°	16.0	18.0	22.0	26.0	26.0
80°	16.0	18.0	22.0	24.0	26.0
82.5°	14.0	18.0	20.0	24.0	24.0
85°	14.0	16.0	20.0	22.0	24.0
87.5°	12.0	14.0	16.0	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)