

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: P151620

Luminaire Tested: **VXS-E06-LED-E1-SL4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151620
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
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-SL4-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 12208.8 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

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

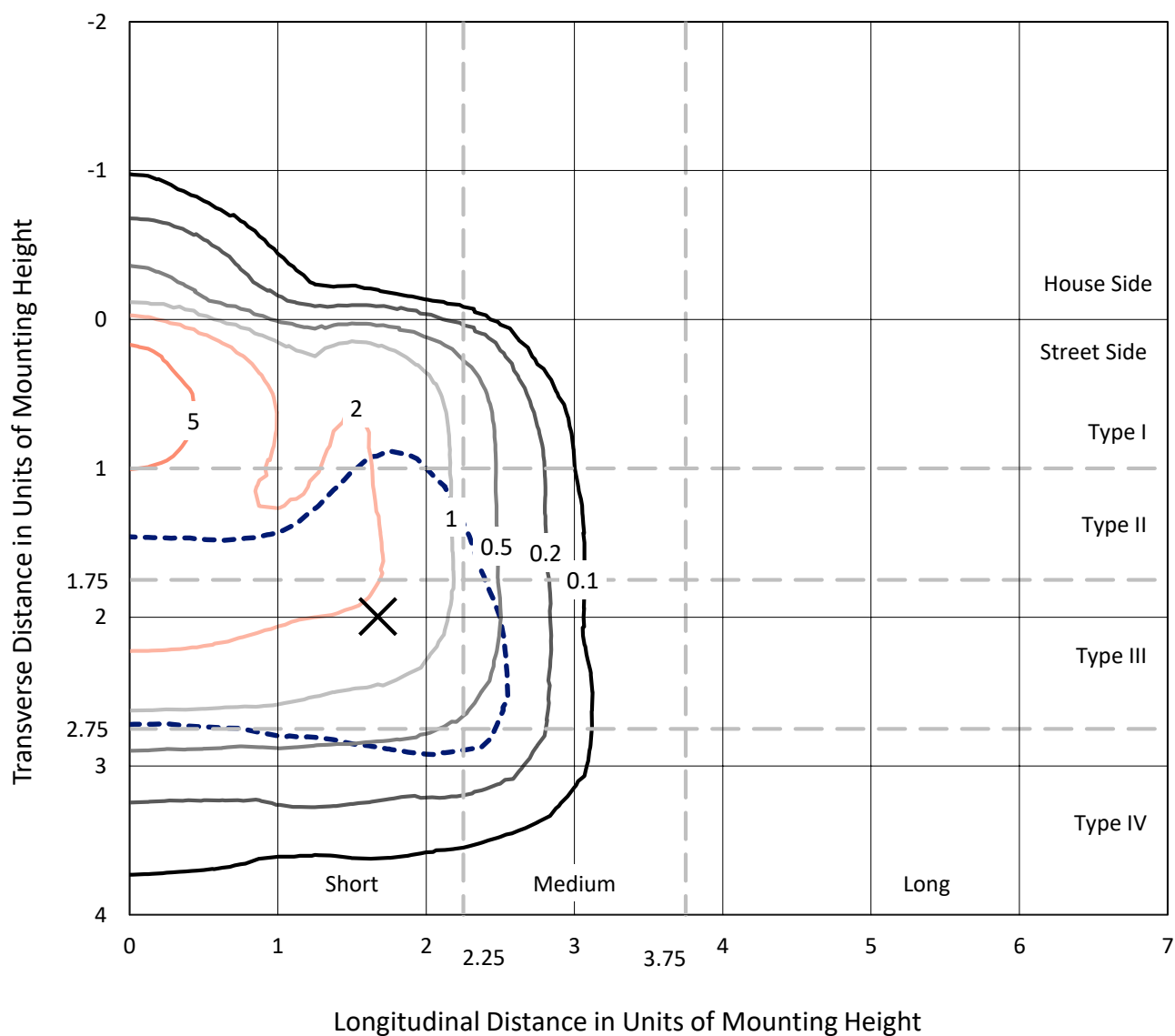


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

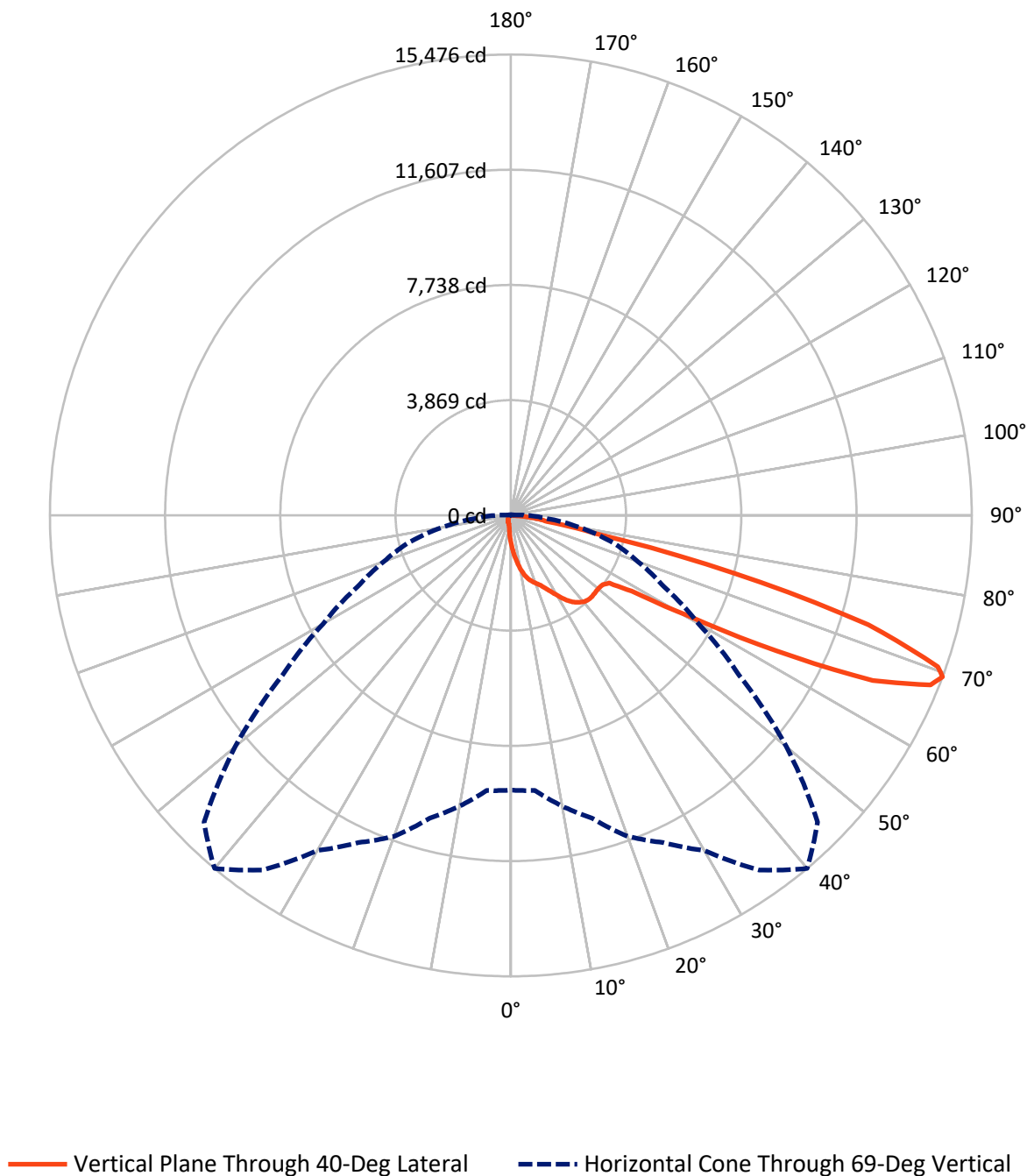


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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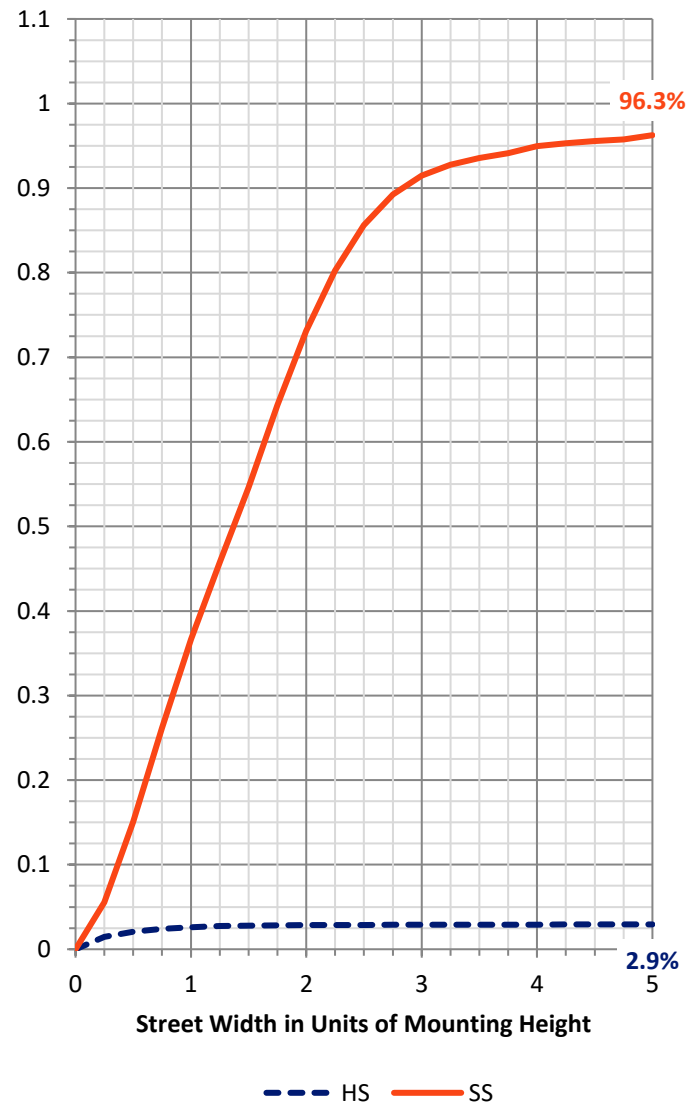
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	363.6	0.0	363.6
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	11845.3	0.0	11845.3
	% Fixture	97.0	0.0	97.0
Total	Lumens	12208.8	0.0	12208.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	0.8
10°-20°	326.7	2.7
20°-30°	625.4	5.1
30°-40°	1040.0	8.5
40°-50°	1407.3	11.5
50°-60°	2200.8	18.0
60°-70°	4524.8	37.1
70°-80°	1820.7	14.9
80°-90°	168.4	1.4
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°	12208.8	100.0
0°-180°	12208.8	100.0

Coefficient of Utilization



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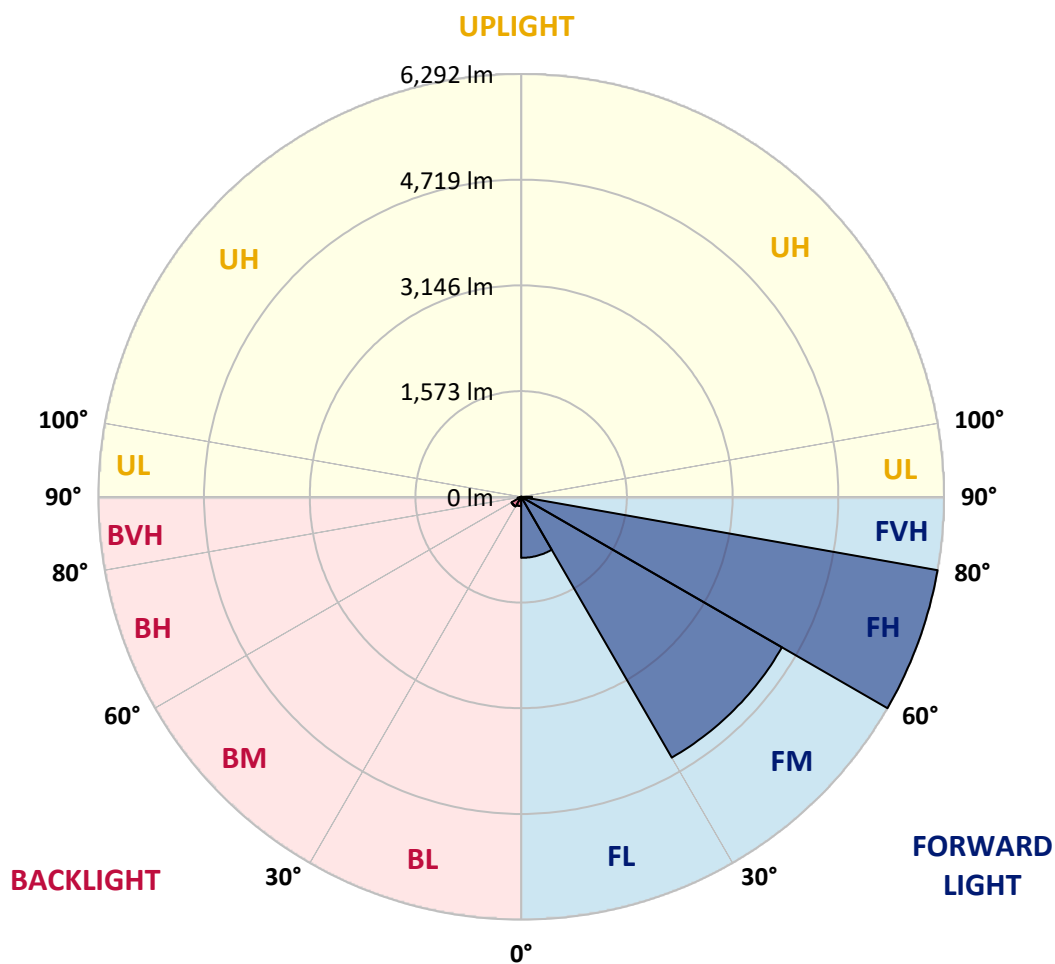
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	908.6	7.4			
FM	(30°-60°)	4482.1	36.7			
FH	(60°-80°)	6292.5	51.5			G3/7500
FVH	(80°-90°)	162.2	1.3			G2/225
BL	(0°-30°)	138.3	1.1	B1/500		
BM	(30°-60°)	166.0	1.4	B0/220		
BH	(60°-80°)	53.0	0.4	B0/110		G0/110
BVH	(80°-90°)	6.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0
2.5°	1230.1	1216.0	1200.0	1200.0	1180.0	1180.0	1168.0	1136.0	1132.0	1114.0	1096.0
5°	1569.9	1558.0	1538.0	1520.0	1504.0	1476.0	1456.0	1418.0	1376.0	1336.0	1300.0
7.5°	1902.0	1896.0	1860.0	1854.0	1828.0	1782.0	1742.0	1686.0	1614.0	1558.0	1492.0
10°	2209.9	2196.0	2188.0	2154.0	2116.0	2066.0	2004.0	1936.0	1852.0	1764.0	1670.1
12.5°	2454.0	2446.0	2409.9	2396.0	2356.0	2306.0	2228.0	2140.0	2056.0	1942.0	1832.0
15°	2636.0	2622.0	2598.0	2576.0	2528.0	2484.0	2412.0	2316.0	2214.0	2089.9	1958.0
17.5°	2788.0	2762.0	2756.0	2722.0	2672.0	2620.0	2540.0	2452.0	2332.0	2208.0	2064.0
20°	2992.0	2956.0	2944.0	2894.0	2836.0	2764.0	2672.0	2562.0	2436.0	2300.0	2152.0
22.5°	3232.0	3206.0	3180.0	3136.0	3062.0	2960.0	2826.0	2706.0	2546.0	2396.0	2236.0
25°	3572.0	3550.1	3508.0	3448.0	3356.0	3234.0	3072.0	2896.0	2708.0	2516.0	2328.0
27.5°	3902.0	3882.0	3852.0	3806.0	3702.0	3568.0	3368.0	3144.0	2906.0	2674.0	2466.0
30°	4212.0	4194.0	4164.0	4118.0	4026.0	3894.0	3668.0	3428.0	3132.0	2862.0	2612.0
32.5°	4546.0	4540.0	4506.0	4440.0	4360.0	4182.0	3936.0	3678.0	3378.0	3066.0	2774.0
35°	4924.0	4878.0	4846.0	4780.0	4644.0	4454.0	4166.0	3884.0	3568.0	3248.0	2922.0
37.5°	5244.0	5200.0	5160.0	5076.0	4910.1	4668.0	4342.0	4032.0	3706.0	3380.0	3048.0
40°	5478.0	5456.0	5408.0	5298.0	5112.0	4824.0	4472.0	4134.0	3806.0	3478.0	3150.1
42.5°	5652.0	5618.0	5564.0	5449.9	5230.1	4902.0	4524.0	4176.0	3852.0	3538.0	3216.0
45°	5716.0	5688.0	5638.0	5514.0	5276.0	4924.0	4522.0	4164.0	3854.0	3556.0	3260.0
47.5°	5678.0	5649.9	5606.0	5489.9	5256.0	4898.0	4486.0	4129.9	3834.0	3562.0	3300.0
50°	5552.0	5536.0	5502.0	5404.0	5194.0	4848.0	4454.0	4112.0	3830.1	3592.0	3356.0
52.5°	5540.0	5529.9	5488.0	5389.9	5176.0	4832.0	4449.9	4122.0	3864.0	3630.1	3396.0
55°	6769.9	6628.0	6310.1	6040.0	5596.0	5068.0	4652.0	4284.0	4008.0	3780.0	3616.0
57.5°	9622.0	9409.9	8992.0	8478.0	7458.0	6456.0	5654.0	5074.0	4788.0	4684.0	4746.0
60°	10958.0	10920.0	10854.0	10609.9	10088.0	9226.0	8266.0	7228.0	6812.0	6776.0	6902.0
62.5°	11592.0	11568.0	11588.0	11558.0	11396.0	11144.0	10868.0	10420.0	10008.0	9742.0	9178.0
65°	11884.0	11900.0	12014.0	12104.0	12124.0	12190.1	12392.0	12950.1	13358.0	12672.0	11106.0
67.5°	11142.0	11236.0	11498.0	11826.0	12209.9	12582.0	13182.0	14358.0	15196.0	14390.1	12166.0
69°	9224.0	9270.1	9910.1	10528.0	11466.0	12122.0	12992.0	14534.0	15476.0	14566.0	12082.0
70°	7262.0	7304.0	7990.1	8829.9	10416.0	11260.0	12398.0	14236.0	15214.0	14332.0	11649.9
72.5°	3276.0	3216.0	3458.0	3908.0	5632.0	6972.0	8962.0	11534.0	12552.0	11482.0	8716.0
75°	2288.0	2262.0	2288.0	2289.9	2558.0	3300.0	4164.0	6252.0	7732.0	6672.0	4164.0
77.5°	1772.0	1754.0	1736.0	1716.0	1748.0	1958.0	2042.0	2218.0	2880.0	2724.0	1588.0
80°	1402.0	1386.0	1430.1	1416.0	1416.0	1440.0	1424.0	1358.0	1234.0	1144.0	1024.0
82.5°	652.0	656.0	656.0	712.0	858.0	1002.0	1048.0	982.0	872.0	742.0	598.0
85°	62.0	70.1	118.0	182.0	362.0	408.0	409.9	340.0	340.0	268.0	216.0
87.5°	0.0	2.0	2.0	2.0	18.0	49.9	42.0	12.0	6.0	6.0	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°	70°	75°	80°	85°	90°	95°	100°	105°
0°	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0
2.5°	1064.0	1058.0	1034.0	1009.9	988.0	964.0	942.0	920.0	896.0	878.0	856.0
5°	1244.0	1200.0	1150.1	1102.0	1054.0	1004.0	952.0	906.0	858.0	814.0	772.0
7.5°	1426.0	1340.0	1272.0	1186.0	1108.0	1030.1	958.0	884.0	816.0	752.0	692.0
10°	1580.0	1476.0	1369.9	1260.0	1148.0	1044.0	944.0	856.0	766.0	688.0	614.0
12.5°	1706.0	1574.0	1444.0	1306.0	1180.0	1048.0	924.0	818.0	712.0	624.0	548.0
15°	1820.0	1668.0	1512.0	1352.0	1192.0	1042.0	904.0	772.0	664.0	564.0	478.0
17.5°	1912.0	1738.0	1562.0	1382.0	1209.9	1034.0	878.0	740.0	614.0	510.1	426.0
20°	1992.0	1809.9	1620.0	1418.0	1222.0	1032.0	856.0	700.0	569.9	460.0	378.0
22.5°	2066.0	1884.0	1680.0	1464.0	1240.0	1030.1	836.0	670.1	532.0	422.0	340.0
25°	2150.1	1958.0	1744.0	1512.0	1272.0	1038.0	824.0	646.0	498.0	386.0	310.1
27.5°	2244.0	2042.0	1820.0	1572.0	1314.0	1054.0	820.0	620.0	468.0	352.0	286.0
30°	2376.0	2142.0	1896.0	1632.0	1352.0	1072.0	816.0	604.0	438.0	326.0	262.0
32.5°	2492.0	2240.0	1980.0	1694.0	1394.0	1089.9	814.0	582.0	409.9	300.0	244.0
35°	2614.0	2329.9	2052.0	1754.0	1430.1	1109.9	812.0	566.0	384.0	274.0	226.0
37.5°	2720.0	2406.0	2108.0	1806.0	1470.1	1128.0	814.0	552.0	360.0	252.0	209.9
40°	2809.9	2484.0	2169.9	1854.0	1512.0	1156.0	816.0	538.0	336.0	232.0	196.0
42.5°	2889.9	2558.0	2236.0	1908.0	1560.0	1188.0	828.0	526.0	316.0	214.0	182.0
45°	2952.0	2626.0	2308.0	1984.0	1638.0	1240.0	849.9	518.0	296.0	198.0	169.9
47.5°	3016.0	2726.0	2430.1	2104.0	1752.0	1322.0	888.0	516.0	280.0	186.0	160.0
50°	3104.0	2826.0	2538.0	2226.0	1856.0	1406.0	934.0	518.0	260.0	174.0	150.1
52.5°	3168.0	2928.0	2678.0	2438.0	2104.0	1662.0	1112.0	554.0	249.9	164.0	138.0
55°	3546.0	3504.0	3510.1	3550.1	3292.0	2828.0	1860.0	800.0	294.0	186.0	136.0
57.5°	5000.0	5148.0	5234.0	5232.0	4806.0	3986.0	2498.0	1028.0	328.0	216.0	162.0
60°	6912.0	6800.0	6642.0	6252.0	5686.0	4550.1	2794.0	1106.0	284.0	172.0	148.0
62.5°	8602.0	7946.0	7364.0	6732.0	5989.9	4746.0	2854.0	1100.0	248.0	129.9	104.0
65°	9656.0	8476.0	7536.0	6744.0	5870.1	4582.0	2700.0	1009.9	209.9	106.0	86.0
67.5°	9908.0	8190.1	6860.0	5849.9	4904.0	3566.0	1982.0	760.0	164.0	88.0	76.0
69°	9358.0	7280.0	5684.0	4538.0	3568.0	2366.0	1226.0	480.0	126.0	80.0	70.1
70°	8608.0	6332.0	4630.1	3642.0	2642.0	1662.0	858.0	338.0	102.0	74.0	64.0
72.5°	5538.0	3326.0	2276.0	1584.0	1089.9	662.0	336.0	152.0	78.0	62.0	52.0
75°	2148.0	1230.1	892.0	678.0	529.9	368.0	204.0	98.0	66.0	52.0	40.0
77.5°	1058.0	809.9	662.0	454.0	264.0	164.0	110.1	76.0	54.0	38.0	26.0
80°	836.0	556.0	332.0	206.0	156.0	118.0	84.0	62.0	40.0	24.0	18.0
82.5°	428.0	234.0	172.0	140.0	116.0	92.0	68.0	44.0	26.0	16.0	14.0
85°	134.0	98.0	88.0	86.0	80.0	66.0	48.0	28.0	16.0	9.9	9.9
87.5°	9.9	14.0	18.0	14.0	16.0	14.0	18.0	12.0	8.0	8.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0
2.5°	840.0	816.0	794.0	780.0	754.0	744.0	734.0	729.9	712.0	716.0	700.0
5°	734.0	692.0	660.0	628.0	598.0	576.0	558.0	536.0	518.0	510.1	494.0
7.5°	638.0	584.0	542.0	508.0	472.0	444.0	420.0	404.0	388.0	372.0	364.0
10°	554.0	496.0	448.0	414.0	380.0	356.0	338.0	326.0	316.0	310.1	308.0
12.5°	476.0	420.0	376.0	346.0	320.0	308.0	300.0	294.0	292.0	289.9	289.9
15°	416.0	360.0	326.0	304.0	292.0	286.0	284.0	280.0	276.0	274.0	274.0
17.5°	360.0	318.0	294.0	282.0	276.0	272.0	268.0	264.0	260.0	258.0	258.0
20°	322.0	288.0	276.0	268.0	262.0	258.0	252.0	248.0	246.0	244.0	242.0
22.5°	292.0	270.1	262.0	256.0	248.0	242.0	238.0	234.0	230.1	228.0	226.0
25°	270.1	256.0	249.9	242.0	234.0	228.0	222.0	216.0	212.0	209.9	206.0
27.5°	254.0	244.0	236.0	226.0	218.0	212.0	206.0	200.0	196.0	192.0	190.1
30°	240.0	230.1	220.0	212.0	202.0	196.0	188.0	182.0	180.0	176.0	172.0
32.5°	226.0	216.0	206.0	196.0	186.0	178.0	174.0	166.0	162.0	160.0	156.0
35°	209.9	200.0	188.0	180.0	169.9	162.0	156.0	150.1	146.0	142.0	140.0
37.5°	196.0	184.0	172.0	162.0	154.0	146.0	140.0	134.0	129.9	126.0	124.0
40°	180.0	168.0	156.0	146.0	138.0	132.0	126.0	120.0	116.0	114.0	114.0
42.5°	166.0	152.0	140.0	132.0	126.0	118.0	112.0	106.0	104.0	102.0	104.0
45°	152.0	138.0	128.0	120.0	114.0	106.0	100.0	96.0	94.0	96.0	98.0
47.5°	140.0	126.0	116.0	110.1	104.0	98.0	92.0	88.0	88.0	92.0	96.0
50°	128.0	114.0	106.0	102.0	96.0	89.9	82.0	80.0	82.0	86.0	89.9
52.5°	116.0	100.0	94.0	92.0	86.0	80.0	74.0	72.0	74.0	78.0	76.0
55°	104.0	88.0	86.0	84.0	78.0	70.1	64.0	64.0	64.0	62.0	58.0
57.5°	100.0	78.0	76.0	74.0	68.0	60.0	56.0	52.0	49.9	44.0	42.0
60°	104.0	70.1	70.1	66.0	60.0	52.0	46.0	40.0	36.0	32.0	32.0
62.5°	84.0	64.0	62.0	58.0	49.9	42.0	36.0	30.1	28.0	26.0	26.0
65°	68.0	58.0	54.0	48.0	42.0	34.0	28.0	24.0	22.0	22.0	24.0
67.5°	62.0	52.0	46.0	40.0	34.0	26.0	22.0	20.0	20.0	22.0	22.0
69°	58.0	48.0	42.0	36.0	30.1	24.0	20.0	20.0	20.0	20.0	22.0
70°	54.0	46.0	40.0	34.0	26.0	20.0	18.0	18.0	20.0	20.0	22.0
72.5°	42.0	36.0	34.0	28.0	20.0	18.0	16.0	18.0	18.0	20.0	20.0
75°	32.0	26.0	26.0	22.0	16.0	14.0	14.0	16.0	16.0	18.0	18.0
77.5°	22.0	18.0	18.0	16.0	14.0	12.0	12.0	14.0	16.0	16.0	18.0
80°	16.0	14.0	12.0	14.0	12.0	9.9	12.0	14.0	14.0	16.0	16.0
82.5°	12.0	12.0	12.0	12.0	9.9	9.9	12.0	12.0	14.0	16.0	16.0
85°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	12.0	12.0	14.0	14.0
87.5°	6.0	6.0	6.0	8.0	8.0	9.9	9.9	9.9	9.9	12.0	12.0
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°	170°	175°	180°
0°	922.0	922.0	922.0	922.0
2.5°	696.0	694.0	686.0	688.0
5°	488.0	476.0	484.0	482.0
7.5°	358.0	356.0	354.0	358.0
10°	306.0	306.0	304.0	306.0
12.5°	288.0	288.0	288.0	288.0
15°	274.0	274.0	272.0	272.0
17.5°	258.0	258.0	258.0	256.0
20°	242.0	240.0	240.0	240.0
22.5°	224.0	222.0	222.0	222.0
25°	206.0	204.0	204.0	204.0
27.5°	188.0	186.0	184.0	184.0
30°	169.9	168.0	166.0	166.0
32.5°	152.0	150.1	148.0	148.0
35°	136.0	136.0	134.0	132.0
37.5°	122.0	122.0	122.0	122.0
40°	112.0	114.0	114.0	114.0
42.5°	106.0	108.0	110.1	112.0
45°	102.0	106.0	108.0	108.0
47.5°	100.0	102.0	104.0	104.0
50°	92.0	89.9	89.9	89.9
52.5°	74.0	70.1	68.0	66.0
55°	54.0	52.0	48.0	48.0
57.5°	38.0	38.0	36.0	36.0
60°	30.1	30.1	28.0	30.1
62.5°	26.0	26.0	26.0	26.0
65°	24.0	24.0	24.0	24.0
67.5°	24.0	24.0	24.0	24.0
69°	22.0	22.0	22.0	22.0
70°	22.0	22.0	22.0	22.0
72.5°	20.0	20.0	20.0	20.0
75°	18.0	20.0	20.0	20.0
77.5°	18.0	18.0	18.0	18.0
80°	16.0	16.0	18.0	18.0
82.5°	16.0	16.0	16.0	16.0
85°	14.0	14.0	16.0	16.0
87.5°	12.0	12.0	14.0	14.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)