

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: P150482

Luminaire Tested: **VXS-E06-LED-E1-SL3-HSS-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150482
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-7060
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (126) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10674.5 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

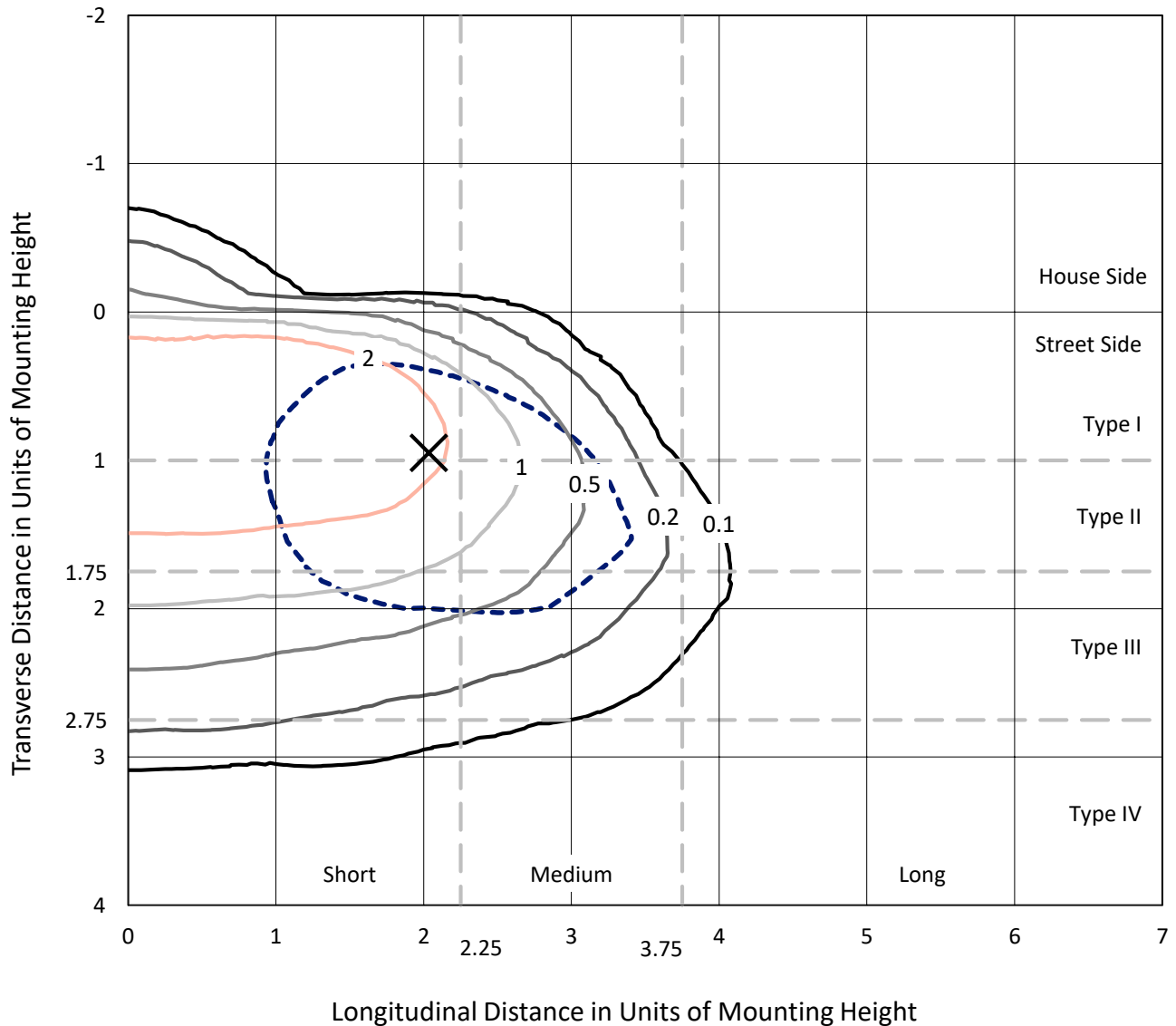
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

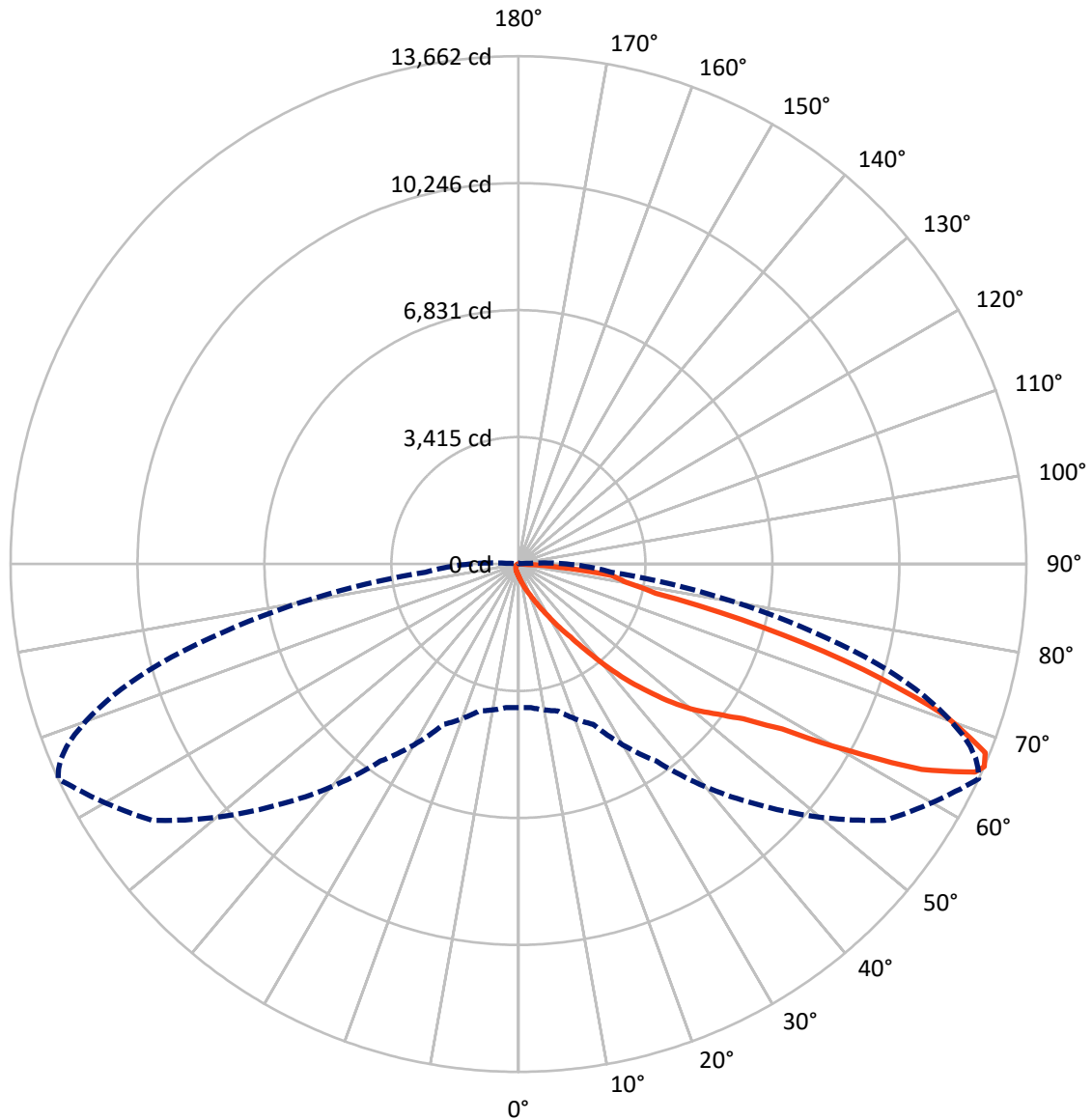
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	231.3	0.0	231.3
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	10443.2	0.0	10443.2
	% Fixture	97.8	0.0	97.8
Total	Lumens	10674.5	0.0	10674.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	0.3
10°-20°	152.9	1.4
20°-30°	329.9	3.1
30°-40°	704.4	6.6
40°-50°	1557.8	14.6
50°-60°	2640.0	24.7
60°-70°	3522.9	33.0
70°-80°	1551.8	14.5
80°-90°	178.7	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°	10674.5	100.0
0°-180°	10674.5	100.0



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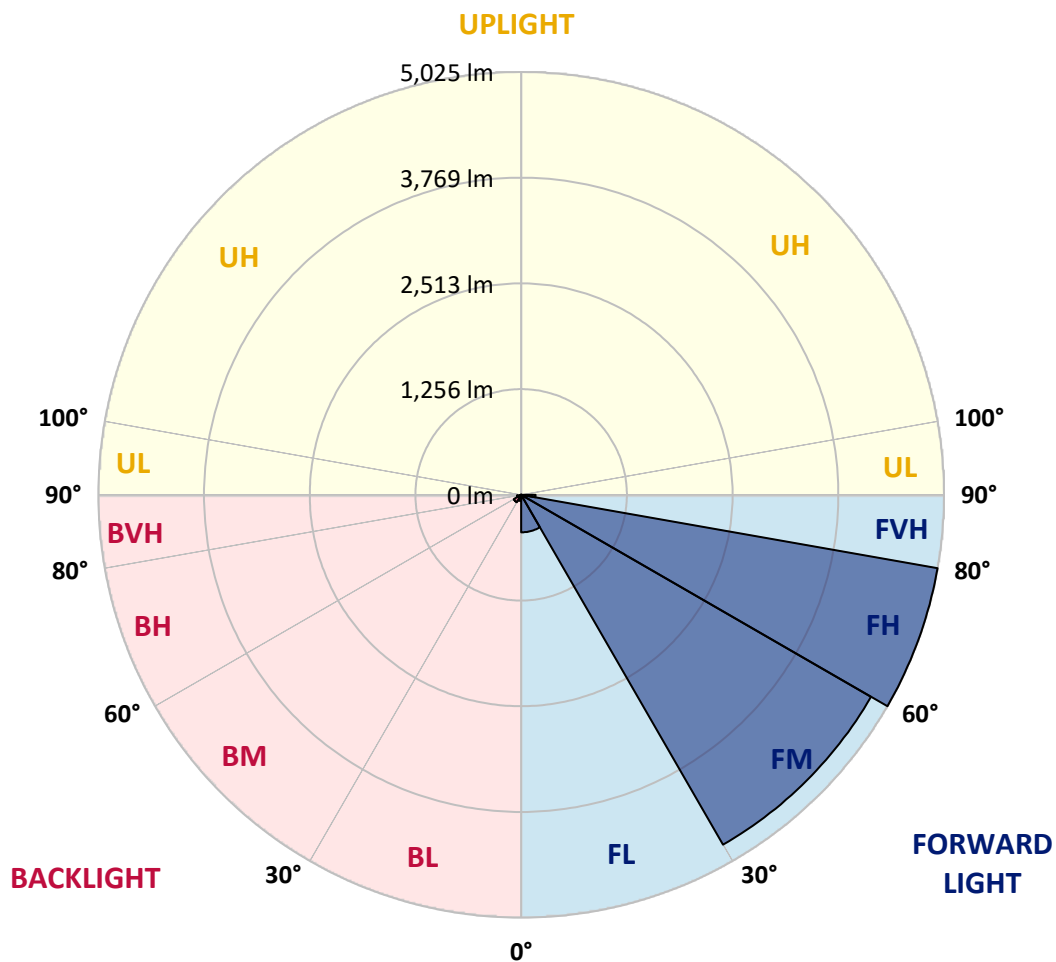
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.9	4.2			
FM	(30°-60°)	4800.7	45.0			
FH	(60°-80°)	5025.0	47.1			G3/7500
FVH	(80°-90°)	171.6	1.6			G2/225
BL	(0°-30°)	73.0	0.7	B0/110		
BM	(30°-60°)	101.6	1.0	B0/220		
BH	(60°-80°)	49.6	0.5	B0/110		G0/110
BVH	(80°-90°)	7.1	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2
2.5°	406.3	404.2	396.1	396.1	383.7	375.5	365.3	355.0	355.0	353.0	350.9
5°	537.7	525.4	523.3	500.7	482.3	455.5	431.0	398.1	394.0	389.9	387.9
7.5°	683.4	681.3	662.9	636.2	599.3	549.9	500.7	447.4	439.2	435.0	426.8
10°	872.2	862.0	837.3	792.1	736.8	671.1	591.1	506.9	496.7	488.4	484.4
12.5°	1052.7	1034.3	1020.0	962.5	892.7	796.3	699.8	578.8	570.5	560.2	543.8
15°	1221.0	1204.7	1180.0	1130.8	1052.7	931.7	818.9	671.1	650.6	636.2	623.8
17.5°	1352.4	1342.2	1313.4	1258.0	1173.9	1067.2	931.7	765.5	749.0	730.6	708.0
20°	1477.6	1463.2	1418.0	1342.2	1251.8	1169.7	1065.1	888.6	866.0	843.4	818.9
22.5°	1596.6	1582.3	1508.4	1383.2	1286.7	1251.8	1214.9	1028.2	993.3	974.8	950.2
25°	1762.8	1732.0	1617.1	1418.0	1288.8	1315.4	1379.1	1208.7	1176.0	1149.2	1110.3
27.5°	1986.5	1945.5	1764.9	1469.4	1297.0	1385.3	1567.9	1428.3	1393.5	1362.7	1319.6
30°	2239.0	2212.3	1996.8	1592.5	1356.5	1487.9	1779.3	1707.5	1666.4	1629.4	1578.1
32.5°	2493.5	2456.5	2243.1	1826.4	1516.6	1686.9	2044.0	2031.7	1978.3	1943.4	1888.1
35°	2717.1	2698.7	2540.6	2210.3	1881.9	2035.8	2397.0	2411.4	2364.1	2327.3	2265.6
37.5°	2869.0	2869.0	2838.2	2622.7	2462.7	2577.6	2916.2	2918.2	2871.1	2786.9	2756.2
40°	2946.9	2969.5	3080.4	3121.5	3113.2	3260.9	3597.5	3560.6	3521.6	3478.5	3375.9
42.5°	3107.0	3127.6	3363.5	3646.7	3831.5	4026.4	4258.3	4246.0	4198.9	4120.8	4026.4
45°	3377.9	3404.7	3685.8	4135.2	4514.8	4791.9	4939.7	4882.2	4835.0	4761.1	4711.9
47.5°	3722.7	3774.0	4092.1	4648.3	5105.9	5563.5	5717.4	5565.6	5524.6	5467.0	5387.0
50°	4090.1	4139.3	4477.9	5114.1	5631.3	6177.2	6433.7	6177.2	6117.6	6099.2	6008.9
52.5°	4408.2	4449.2	4775.5	5473.3	6033.5	6673.8	7047.3	6708.7	6665.6	6604.0	6538.3
55°	4597.0	4629.7	4935.5	5645.6	6306.4	7121.1	7640.4	7342.8	7279.2	7254.6	7160.2
57.5°	4660.6	4693.4	4968.4	5668.2	6454.2	7529.5	8360.7	8371.0	8295.0	8206.8	8178.0
60°	4660.6	4697.5	4929.4	5612.7	6597.8	7964.7	9321.1	10176.9	10012.7	9996.3	9891.6
62.5°	4467.7	4502.6	4736.5	5442.5	6790.8	8551.6	10659.2	12169.6	12122.4	12015.6	11843.3
65°	4049.0	4069.5	4299.4	5007.4	6716.9	9091.3	11818.7	13495.3	13419.4	13210.1	12988.4
66°	3860.2	3876.6	4092.1	4759.1	6474.7	9165.2	12023.9	13661.6	13536.4	13359.9	13109.5
67.5°	3587.3	3616.0	3767.9	4297.3	5894.0	8908.6	11894.6	13544.6	13435.9	13222.4	12972.0
70°	2394.9	2374.4	2910.1	3297.9	4490.3	7258.7	10671.5	12161.5	12163.4	12062.9	11962.4
72.5°	1136.9	1149.2	1305.2	2029.6	2938.8	4849.3	8494.1	9706.9	9846.5	9665.9	9540.7
75°	816.8	835.2	929.6	1241.6	1752.5	2910.1	5506.1	6788.7	6792.8	6472.6	6187.5
77.5°	238.0	248.3	348.9	765.5	1313.4	1963.9	3162.5	3774.0	3685.8	3456.0	3240.4
80°	98.5	98.5	102.6	244.2	527.5	1333.9	2212.3	2905.9	2895.6	2807.5	2680.2
82.5°	36.9	39.0	49.2	100.5	125.2	328.4	1475.5	2522.2	2516.1	2390.8	2300.5
85°	4.1	4.1	12.3	43.1	47.2	61.6	295.5	1112.3	1106.1	1112.3	974.8
87.5°	0.0	0.0	2.1	4.1	6.1	8.2	12.3	43.1	47.2	45.2	41.0
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°	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2
2.5°	350.9	346.8	346.8	344.8	344.8	344.8	342.7	340.6	340.6	338.7	336.6
5°	383.7	379.7	377.6	373.5	371.4	369.4	365.3	363.2	359.2	357.1	355.0
7.5°	422.8	414.5	412.5	406.3	400.2	396.1	392.0	385.8	381.8	373.5	371.4
10°	472.0	461.8	453.6	445.3	439.2	428.9	422.8	414.5	406.3	400.2	394.0
12.5°	535.6	521.2	508.9	500.7	486.4	474.1	461.8	455.5	439.2	431.0	420.7
15°	605.4	589.0	574.6	558.2	548.0	527.5	511.0	492.5	484.4	469.9	453.6
17.5°	695.8	669.0	646.4	630.1	609.5	589.0	570.5	552.0	527.5	511.0	490.5
20°	792.1	769.5	738.8	710.1	685.4	660.8	634.1	609.5	586.9	560.2	535.6
22.5°	915.3	882.5	845.5	816.8	783.9	757.3	720.3	687.5	650.6	615.6	586.9
25°	1071.3	1028.2	993.3	952.2	913.3	872.2	827.0	786.0	738.8	706.0	656.7
27.5°	1264.1	1223.1	1176.0	1122.6	1083.5	1022.0	962.5	911.2	855.8	804.5	749.0
30°	1510.5	1450.9	1401.7	1350.4	1272.3	1212.8	1143.1	1073.3	997.4	946.1	862.0
32.5°	1805.9	1742.3	1668.5	1594.6	1522.7	1438.5	1352.4	1266.2	1182.1	1087.7	1001.5
35°	2167.2	2091.2	2007.0	1927.0	1816.2	1725.9	1617.1	1498.1	1403.7	1294.9	1186.2
37.5°	2645.3	2520.1	2446.2	2362.1	2212.3	2089.1	1968.1	1849.0	1682.8	1567.9	1414.0
40°	3244.6	3170.7	3049.5	2914.1	2778.7	2616.6	2452.4	2294.4	2101.5	1941.3	1762.8
42.5°	3948.5	3839.7	3716.6	3521.6	3384.1	3193.3	3006.5	2797.2	2561.1	2356.0	2146.6
45°	4609.2	4480.0	4385.6	4190.6	4046.9	3821.2	3595.4	3373.9	3100.9	2836.2	2594.0
47.5°	5323.4	5216.7	5060.7	4902.7	4757.0	4502.6	4258.3	3989.5	3702.2	3388.2	3074.2
50°	5951.4	5867.3	5760.5	5569.7	5407.6	5194.2	4906.8	4613.4	4250.2	3938.2	3581.1
52.5°	6485.0	6419.3	6269.5	6134.1	5988.4	5787.3	5530.7	5249.5	4857.6	4514.8	4108.5
55°	7115.0	7067.8	6936.5	6852.3	6723.0	6530.2	6290.1	6029.4	5614.8	5241.3	4781.7
57.5°	8147.3	8110.4	7995.4	7960.5	7833.3	7665.0	7369.5	7090.4	6606.1	6142.3	5616.9
60°	9856.8	9782.9	9614.6	9528.4	9259.6	9033.8	8650.1	8266.3	7681.5	7090.4	6458.3
62.5°	11687.4	11480.1	11159.9	10885.0	10503.2	10111.2	9598.2	9011.3	8325.8	7623.9	6897.5
65°	12674.4	12321.5	11917.2	11480.1	10985.5	10408.8	9762.4	9058.4	8321.8	7580.8	6813.4
66°	12787.4	12389.2	11960.3	11473.9	10923.9	10310.3	9653.6	8914.8	8149.3	7426.9	6659.4
67.5°	12645.7	12229.1	11775.5	11235.9	10640.7	10004.6	9315.0	8547.5	7810.7	7078.0	6331.1
70°	11654.5	11240.0	10835.6	10267.3	9633.1	8992.7	8340.2	7482.4	6784.6	6111.5	5446.5
72.5°	9306.7	9025.6	8625.5	8139.1	7521.3	6770.3	6226.4	5458.9	4853.5	4200.8	3685.8
75°	5816.0	5419.9	4925.3	4305.5	3833.6	3224.0	2905.9	2323.1	1978.3	1676.7	1385.3
77.5°	2973.7	2676.1	2329.2	1980.4	1645.9	1313.4	1015.9	718.2	484.4	336.6	250.4
80°	2456.5	2193.8	1906.5	1588.4	1292.8	1003.5	722.4	492.5	314.0	205.2	160.1
82.5°	2029.6	1808.0	1551.5	1256.0	999.4	788.1	548.0	357.1	221.7	143.6	112.8
85°	863.9	783.9	605.4	480.2	361.1	266.7	186.7	125.2	88.3	71.8	65.7
87.5°	36.9	41.0	39.0	30.8	22.6	22.6	20.5	16.4	16.4	16.4	16.4
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°	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2	322.2
2.5°	336.6	334.5	332.4	332.4	330.4	328.4	316.1	305.8	293.5	285.3	277.1
5°	350.9	348.9	344.8	342.7	338.7	336.6	309.8	287.4	268.8	254.5	244.2
7.5°	365.3	363.2	357.1	350.9	348.9	344.8	301.7	273.0	248.3	231.9	221.7
10°	383.7	377.6	371.4	363.2	357.1	350.9	293.5	256.5	229.8	215.4	205.2
12.5°	410.5	400.2	389.9	379.7	371.4	361.1	289.3	242.2	215.4	199.1	188.8
15°	441.2	426.8	414.5	402.3	387.9	377.6	281.1	229.8	203.2	186.7	174.4
17.5°	469.9	453.6	435.0	416.6	402.3	387.9	273.0	217.5	190.9	174.4	162.2
20°	511.0	486.4	463.8	441.2	420.7	402.3	260.6	205.2	180.6	162.2	149.8
22.5°	556.2	527.5	498.7	467.9	441.2	416.6	250.4	194.9	170.4	151.8	137.5
25°	613.6	578.8	539.7	500.7	469.9	437.1	240.1	184.7	160.1	141.6	127.3
27.5°	693.7	644.4	601.3	552.0	504.9	467.9	231.9	176.5	149.8	131.3	117.0
30°	802.4	730.6	662.9	609.5	554.1	500.7	223.7	166.2	141.6	121.0	104.7
32.5°	923.5	839.4	761.3	681.3	611.6	549.9	215.4	158.0	131.3	110.8	96.5
35°	1073.3	966.6	862.0	769.5	685.4	603.3	207.3	149.8	123.1	100.5	86.2
37.5°	1288.8	1155.4	1017.9	898.9	790.1	681.3	201.1	141.6	112.8	90.3	76.0
40°	1584.4	1411.9	1243.6	1081.6	939.9	804.5	193.0	133.4	104.7	82.1	67.8
42.5°	1904.5	1695.1	1473.5	1290.9	1095.9	925.6	184.7	125.2	96.5	73.9	59.5
45°	2302.6	2042.0	1773.2	1524.8	1286.7	1067.2	176.5	117.0	86.2	65.7	51.3
47.5°	2737.6	2405.2	2101.5	1789.5	1506.3	1243.6	166.2	110.8	78.0	57.5	45.2
50°	3185.1	2834.1	2450.4	2095.3	1758.8	1420.1	156.0	100.5	69.7	51.3	36.9
52.5°	3667.3	3252.7	2860.8	2419.6	2027.6	1652.0	145.7	92.3	63.6	45.2	30.8
55°	4280.9	3817.1	3357.4	2862.8	2390.8	1920.8	135.4	82.1	55.4	39.0	24.7
57.5°	5052.5	4502.6	3938.2	3380.0	2807.5	2273.9	127.3	71.8	47.2	32.8	20.5
60°	5781.0	5138.8	4455.3	3813.1	3166.5	2544.8	114.9	63.6	41.0	26.6	20.5
62.5°	6158.7	5426.0	4689.3	3981.2	3291.7	2641.2	102.6	53.4	34.9	22.6	18.4
65°	6066.3	5319.4	4605.2	3891.0	3215.9	2579.6	90.3	47.2	30.8	20.5	18.4
66°	5933.0	5194.2	4475.9	3796.6	3152.2	2514.0	84.1	45.2	28.7	20.5	16.4
67.5°	5641.6	4927.4	4242.0	3609.8	2977.7	2388.8	76.0	41.0	26.6	18.4	16.4
70°	4818.5	4170.1	3622.2	3059.9	2544.8	2013.3	61.6	34.9	22.6	16.4	16.4
72.5°	3189.1	2747.9	2382.6	2050.2	1713.6	1329.8	51.3	28.7	18.4	16.4	14.4
75°	1202.6	1087.7	933.8	839.4	732.6	642.4	41.0	18.4	14.4	14.4	14.4
77.5°	213.5	197.0	174.4	160.1	147.8	135.4	32.8	12.3	12.3	14.4	14.4
80°	143.6	133.4	121.0	110.8	102.6	92.3	22.6	10.3	12.3	12.3	14.4
82.5°	102.6	96.5	90.3	82.1	76.0	67.8	14.4	10.3	12.3	12.3	12.3
85°	61.6	57.5	53.4	49.2	43.1	41.0	10.3	10.3	10.3	12.3	12.3
87.5°	16.4	14.4	16.4	16.4	12.3	14.4	8.2	8.2	8.2	10.3	10.3
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):

	145°	155°	165°	175°	180°
0°	322.2	322.2	322.2	322.2	322.2
2.5°	273.0	273.0	268.8	275.0	275.0
5°	236.0	236.0	234.0	236.0	236.0
7.5°	215.4	213.5	213.5	213.5	215.4
10°	197.0	194.9	194.9	194.9	194.9
12.5°	180.6	178.5	176.5	178.5	178.5
15°	166.2	162.2	162.2	162.2	162.2
17.5°	153.9	149.8	147.8	147.8	147.8
20°	141.6	135.4	135.4	135.4	135.4
22.5°	129.3	123.1	123.1	123.1	123.1
25°	117.0	110.8	110.8	110.8	110.8
27.5°	106.7	100.5	100.5	100.5	100.5
30°	94.4	90.3	90.3	92.3	90.3
32.5°	86.2	80.0	80.0	82.1	82.1
35°	76.0	71.8	71.8	71.8	71.8
37.5°	65.7	61.6	61.6	61.6	61.6
40°	57.5	53.4	51.3	53.4	53.4
42.5°	49.2	45.2	43.1	43.1	43.1
45°	43.1	36.9	34.9	36.9	36.9
47.5°	34.9	30.8	30.8	32.8	32.8
50°	26.6	26.6	28.7	32.8	32.8
52.5°	24.7	24.7	28.7	32.8	32.8
55°	22.6	24.7	28.7	30.8	32.8
57.5°	20.5	24.7	28.7	30.8	30.8
60°	20.5	22.6	26.6	30.8	30.8
62.5°	18.4	20.5	24.7	28.7	28.7
65°	18.4	20.5	24.7	28.7	28.7
66°	18.4	20.5	24.7	28.7	28.7
67.5°	18.4	20.5	24.7	28.7	28.7
70°	18.4	20.5	24.7	26.6	26.6
72.5°	16.4	18.4	22.6	26.6	26.6
75°	16.4	18.4	22.6	26.6	26.6
77.5°	16.4	18.4	22.6	26.6	26.6
80°	16.4	18.4	22.6	24.7	26.6
82.5°	14.4	18.4	20.5	24.7	24.7
85°	14.4	16.4	20.5	22.6	24.7
87.5°	12.3	14.4	16.4	20.5	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)