

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: P149342

Luminaire Tested: **VXS-E06-LED-E1-SL2-HSS-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149342
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
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-SL2-HSS-7060
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 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: 11288.7 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - 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

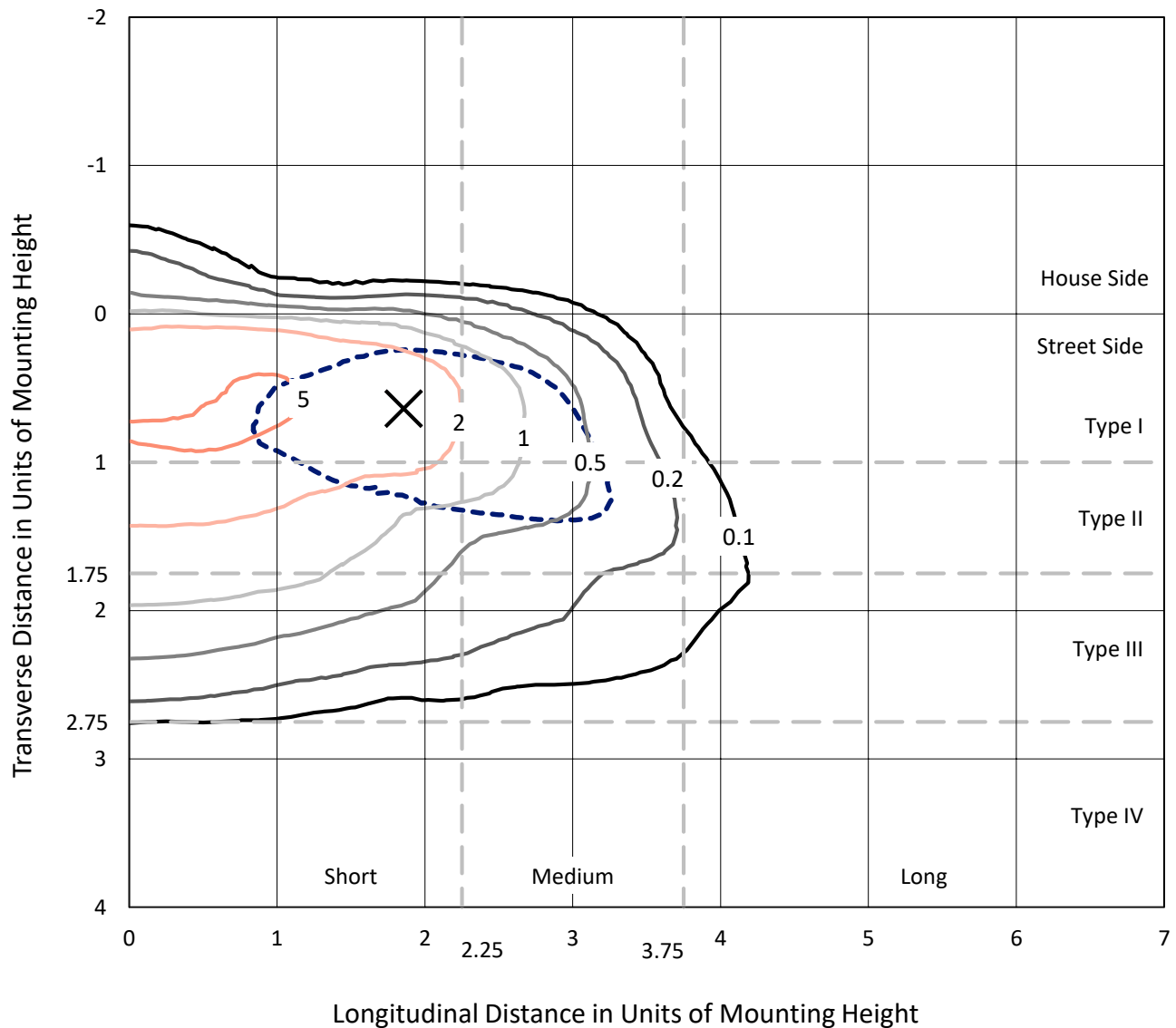


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

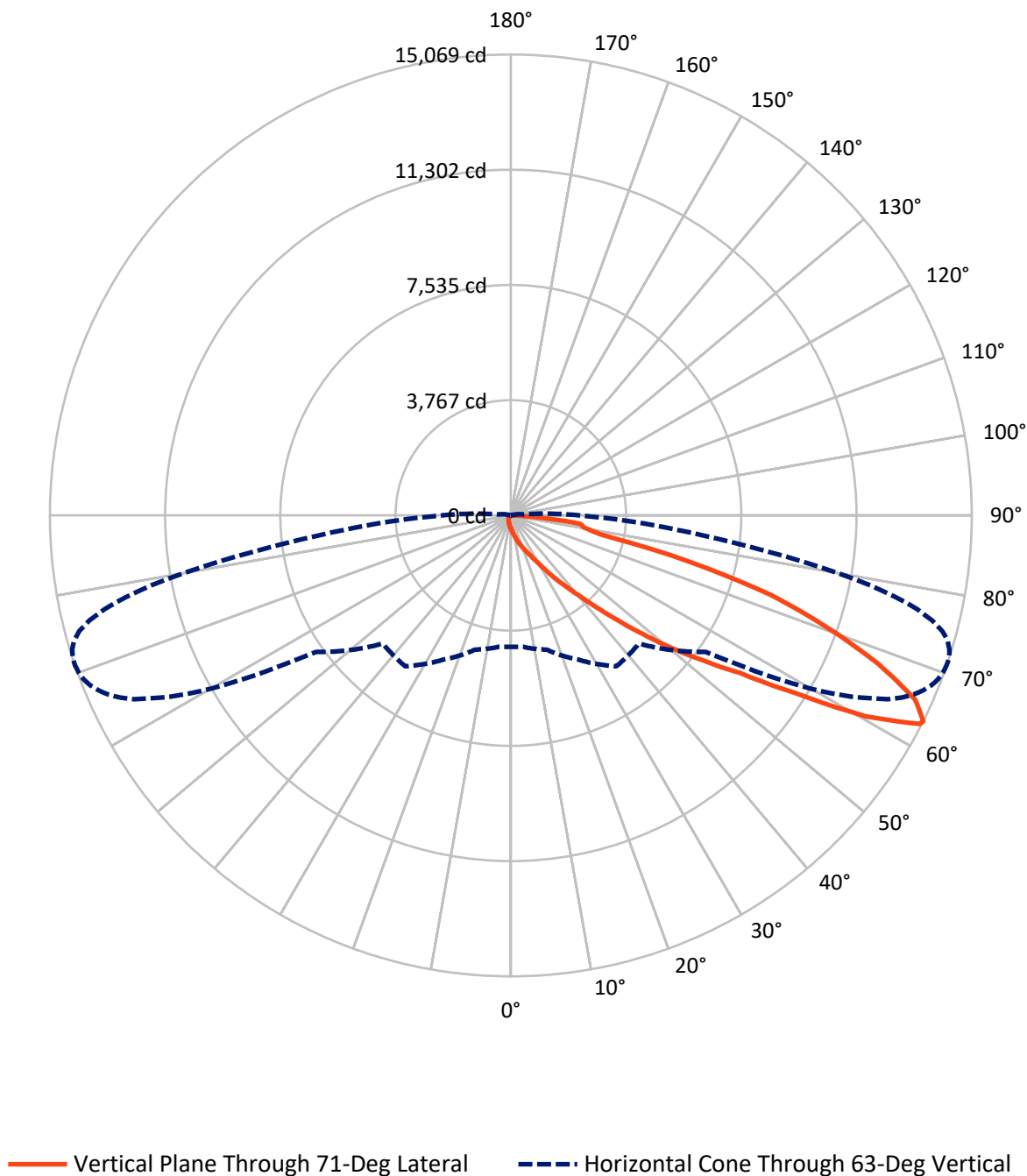


Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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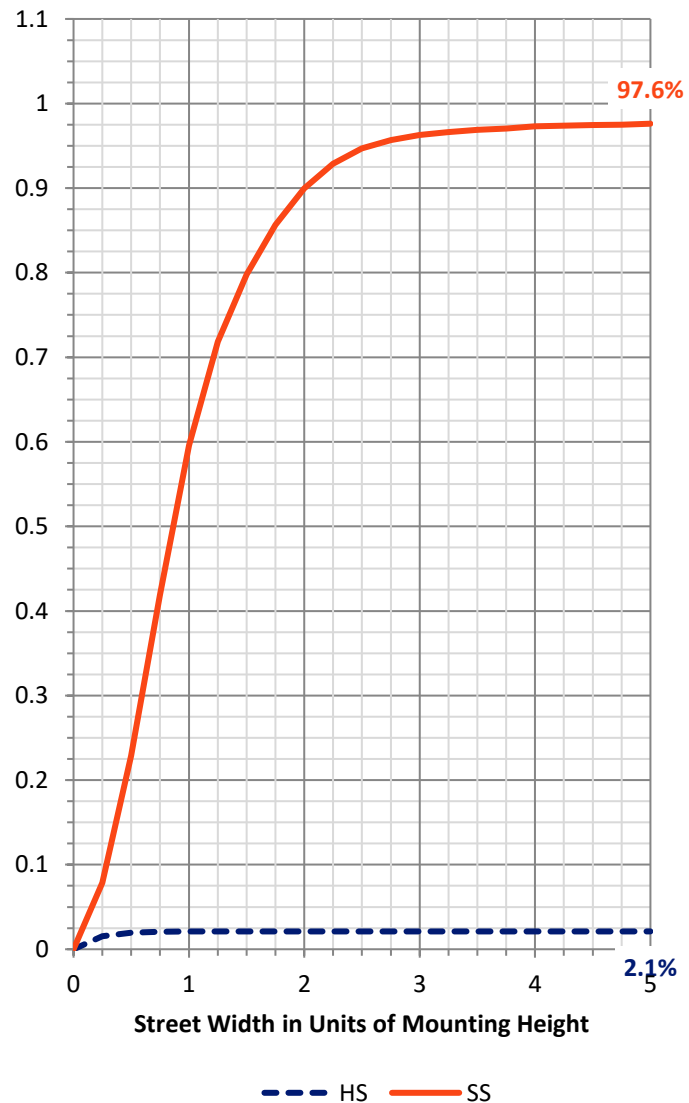
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	239.7	0.0	239.7
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	11049.0	0.0	11049.0
	% Fixture	97.9	0.0	97.9
Total	Lumens	11288.7	0.0	11288.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	0.4
10°-20°	185.6	1.6
20°-30°	377.0	3.3
30°-40°	921.1	8.2
40°-50°	2060.0	18.2
50°-60°	2896.6	25.7
60°-70°	3406.1	30.2
70°-80°	1229.9	10.9
80°-90°	164.5	1.5
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°	11288.7	100.0
0°-180°	11288.7	100.0

Coefficient of Utilization



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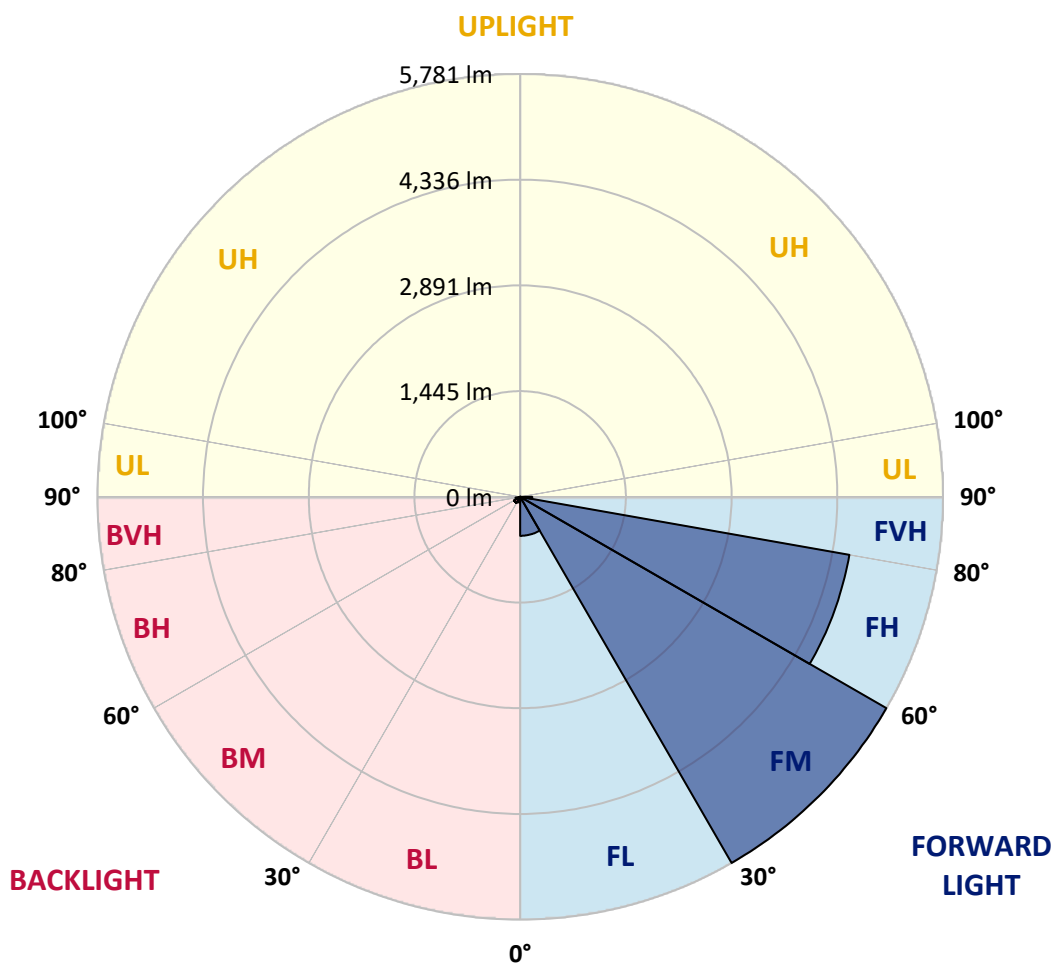
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.4	4.7			
FM	(30°-60°)	5781.1	51.2			
FH	(60°-80°)	4570.3	40.5			G2/5000
FVH	(80°-90°)	164.1	1.5			G2/225
BL	(0°-30°)	77.1	0.7	B0/110		
BM	(30°-60°)	96.6	0.9	B0/220		
BH	(60°-80°)	65.7	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	566.4	572.5	568.5	558.2	545.9	529.4	515.1	515.1	513.1	506.9	508.9
5°	742.9	745.0	736.8	712.1	689.5	654.6	615.6	611.6	607.5	601.3	599.3
7.5°	915.3	923.5	915.3	888.6	843.4	790.1	728.5	722.4	710.1	710.1	701.9
10°	1091.8	1091.8	1083.5	1052.7	1011.7	935.9	857.8	847.6	833.2	829.1	816.8
12.5°	1217.0	1217.0	1212.8	1196.5	1163.6	1095.9	1001.5	991.2	972.7	966.6	952.2
15°	1266.2	1266.2	1268.3	1282.6	1284.7	1253.9	1155.4	1147.2	1128.7	1112.3	1106.1
17.5°	1297.0	1294.9	1294.9	1315.4	1352.4	1373.0	1309.3	1301.1	1280.6	1272.3	1251.8
20°	1364.8	1360.6	1348.3	1348.3	1383.2	1455.0	1455.0	1453.0	1430.4	1424.2	1414.0
22.5°	1465.3	1461.1	1424.2	1393.5	1409.8	1500.2	1584.4	1580.2	1572.0	1563.8	1557.6
25°	1629.4	1615.1	1551.5	1461.1	1446.8	1543.2	1682.8	1693.1	1699.3	1699.3	1703.3
27.5°	1877.8	1859.3	1746.4	1578.1	1514.5	1613.1	1791.6	1812.1	1830.6	1834.7	1853.2
30°	2222.6	2189.7	2027.6	1781.3	1635.6	1715.6	1951.6	1974.2	2000.9	2009.1	2037.8
32.5°	2788.9	2770.5	2614.5	2245.1	1933.2	1916.8	2175.3	2204.0	2239.0	2253.4	2288.2
35°	3650.9	3655.0	3527.8	3195.3	2764.4	2538.5	2575.5	2600.1	2612.4	2655.5	2674.0
37.5°	4235.8	4246.0	4274.7	4143.4	3835.5	3605.7	3316.4	3343.0	3279.5	3285.6	3287.7
40°	4556.0	4588.7	4757.0	4884.2	4859.6	4726.2	4494.3	4508.7	4389.6	4363.0	4233.7
42.5°	4769.3	4812.4	5081.2	5475.3	5676.4	5797.5	5744.1	5738.0	5645.6	5610.8	5502.0
45°	4902.7	4941.8	5280.3	5861.1	6324.9	6677.9	6823.6	6840.0	6762.1	6727.2	6636.9
47.5°	4896.6	4941.8	5305.0	6004.8	6688.2	7252.5	7663.0	7683.5	7730.7	7699.9	7706.0
50°	4625.7	4668.8	5034.1	5760.5	6581.5	7515.2	8266.3	8332.0	8407.9	8459.2	8483.8
52.5°	4297.3	4328.1	4652.3	5341.9	6125.8	7406.4	8623.4	8736.3	8849.1	8945.6	9013.3
55°	4176.3	4211.1	4465.6	5038.1	5760.5	6950.9	8789.6	8955.9	9116.0	9274.0	9403.2
57.5°	4239.9	4272.7	4455.3	4894.5	5543.0	6470.6	8836.8	9095.4	9358.0	9614.6	9869.1
60°	4473.8	4508.7	4664.7	5027.9	5485.6	6193.6	8652.1	9081.0	9518.1	9965.5	10386.2
62.5°	4381.5	4395.9	4625.7	5261.9	5896.0	5957.6	7981.0	8580.3	9247.3	9936.8	10616.1
63°	4293.3	4309.6	4543.6	5198.2	6021.1	5922.7	7773.8	8405.9	9109.7	9852.6	10591.5
65°	3893.1	3895.1	4073.7	4590.8	5881.7	5984.2	6850.3	7453.7	8262.2	9152.8	10086.6
67.5°	2905.9	2891.6	3063.9	3457.9	4617.5	5986.3	5879.6	6218.2	6780.5	7570.6	8407.9
70°	1030.3	1007.7	1286.7	1832.6	2877.2	4896.6	5052.5	5075.1	5231.1	5657.9	6183.3
72.5°	334.5	340.6	410.5	671.1	1325.7	3295.9	4574.4	4504.6	4463.5	4461.6	4531.3
75°	133.4	135.4	164.1	297.6	595.1	1588.4	4005.9	4044.9	4059.3	4079.8	4102.4
77.5°	63.6	69.7	92.3	166.2	295.5	786.0	2866.9	3197.3	3386.1	3531.8	3620.1
80°	22.6	26.6	51.3	102.6	137.5	361.1	1510.5	1822.4	2099.4	2456.5	2764.4
82.5°	0.0	0.0	10.3	71.8	76.0	145.7	619.8	726.5	831.2	1077.4	1383.2
85°	0.0	0.0	0.0	20.5	22.6	24.7	209.3	252.4	283.2	330.4	381.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.1	12.3	30.8	47.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	504.9	502.8	502.8	498.7	496.7	492.5	490.5	484.4	482.3	482.3	482.3
5°	597.2	589.0	584.9	574.6	568.5	566.4	556.2	552.0	545.9	548.0	537.7
7.5°	699.8	685.4	679.3	664.9	660.8	646.4	642.4	632.1	625.9	613.6	609.5
10°	812.6	794.2	783.9	761.3	755.2	745.0	732.6	720.3	710.1	697.7	691.6
12.5°	942.0	925.6	917.3	886.5	872.2	857.8	841.5	825.0	808.6	798.3	783.9
15°	1093.8	1067.2	1059.0	1030.3	1005.6	987.2	964.6	944.0	931.7	911.2	896.8
17.5°	1243.6	1217.0	1210.8	1167.7	1141.0	1128.7	1104.0	1077.4	1054.8	1034.3	1011.7
20°	1393.5	1375.0	1358.5	1317.5	1288.8	1268.3	1235.4	1208.7	1190.3	1161.6	1132.8
22.5°	1543.2	1524.8	1512.4	1469.4	1442.7	1414.0	1385.3	1356.5	1329.8	1294.9	1262.1
25°	1697.2	1684.9	1678.8	1639.7	1615.1	1588.4	1559.7	1526.8	1494.0	1455.0	1420.1
27.5°	1857.2	1861.3	1849.0	1840.8	1814.2	1795.6	1750.6	1728.0	1703.3	1656.2	1613.1
30°	2060.4	2072.7	2068.6	2074.8	2058.3	2046.0	2011.2	1982.5	1953.7	1908.6	1859.3
32.5°	2317.0	2333.4	2341.6	2364.1	2356.0	2351.8	2341.6	2300.5	2280.0	2202.1	2181.5
35°	2713.1	2704.8	2739.7	2758.1	2749.9	2745.9	2733.6	2711.0	2686.3	2631.0	2579.6
37.5°	3228.1	3236.4	3248.6	3211.7	3187.0	3185.1	3148.1	3125.5	3090.7	3029.0	2967.5
40°	4172.1	4120.8	4063.4	3907.5	3839.7	3800.7	3691.9	3661.1	3601.7	3517.5	3453.9
42.5°	5399.4	5348.1	5175.6	4915.0	4775.5	4582.6	4494.3	4385.6	4301.5	4163.9	4090.1
45°	6618.3	6470.6	6450.1	6146.3	5974.0	5719.5	5561.5	5378.9	5188.0	5007.4	4876.1
47.5°	7646.5	7613.7	7513.2	7328.4	7168.4	6954.9	6751.8	6470.6	6273.6	6017.1	5781.0
50°	8469.4	8467.5	8430.5	8323.7	8190.4	8018.0	7839.5	7601.3	7377.7	7063.7	6811.3
52.5°	9085.2	9117.9	9130.3	9097.4	9046.1	8894.3	8803.9	8604.9	8416.2	8149.3	7876.4
55°	9536.6	9657.7	9719.3	9789.0	9774.7	9721.3	9717.2	9588.0	9501.8	9290.4	9097.4
57.5°	10094.8	10293.9	10484.8	10823.3	10835.6	10954.7	11016.3	11077.8	11094.3	11010.2	10946.5
60°	10804.9	11211.2	11572.4	12280.4	12465.1	12756.6	12945.4	13150.6	13325.0	13339.4	13335.2
62.5°	11305.6	11931.5	12514.4	13565.1	13924.2	14260.8	14513.3	14712.3	14833.4	14956.5	15014.0
63°	11320.0	12005.4	12625.2	13708.8	14086.4	14406.5	14646.6	14831.3	14958.5	15032.4	15069.4
65°	10973.2	11804.4	12543.1	13622.6	13977.6	14299.8	14425.0	14546.1	14607.7	14636.4	14527.6
67.5°	9300.6	10113.3	10975.2	12182.0	12485.7	12871.5	12974.1	13035.6	13064.4	13058.2	12965.9
70°	6954.9	7636.3	8594.6	9973.8	10376.0	10753.6	10987.6	11088.1	11120.9	11110.7	10973.2
72.5°	4855.5	5255.8	6045.8	7580.8	8128.8	8613.2	8902.5	9052.3	9083.1	9021.6	8894.3
75°	4077.7	4098.2	4276.8	5116.2	5629.2	6146.3	6472.6	6567.0	6505.5	6318.8	5994.5
77.5°	3640.6	3685.8	3685.8	3811.0	3911.5	4055.1	4085.9	3856.1	3589.3	3244.6	2965.5
80°	3053.7	3211.7	3322.5	3414.9	3425.2	3396.4	3320.5	3191.2	2986.0	2723.3	2431.9
82.5°	1855.2	2167.2	2294.4	2770.5	3004.5	3162.5	3150.2	2977.7	2821.8	2548.8	2300.5
85°	467.9	504.9	548.0	712.1	798.3	974.8	1085.6	1136.9	1155.4	1061.0	960.4
87.5°	45.2	30.8	51.3	39.0	55.4	41.0	55.4	51.3	63.6	67.8	73.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	478.1	476.1	474.1	472.0	469.9	467.9	463.8	463.8	459.7	457.6	455.5
5°	531.5	527.5	525.4	521.2	515.1	511.0	504.9	496.7	490.5	488.4	484.4
7.5°	599.3	589.0	584.9	578.8	570.5	558.2	549.9	543.8	533.6	527.5	515.1
10°	675.1	664.9	652.6	640.3	628.0	613.6	603.3	595.1	578.8	570.5	556.2
12.5°	771.6	753.2	738.8	722.4	706.0	689.5	677.2	652.6	638.2	619.8	607.5
15°	870.2	853.7	837.3	816.8	792.1	765.5	753.2	730.6	712.1	683.4	666.9
17.5°	989.1	958.3	933.8	909.1	886.5	862.0	837.3	802.4	775.8	751.1	718.2
20°	1106.1	1069.2	1042.5	1009.6	976.9	937.8	909.1	884.5	847.6	814.7	779.8
22.5°	1231.3	1194.4	1151.3	1118.4	1073.3	1042.5	1003.5	962.5	925.6	882.5	839.4
25°	1383.2	1344.2	1294.9	1251.8	1200.5	1157.4	1110.3	1063.0	1017.9	968.6	913.3
27.5°	1569.9	1528.9	1475.5	1424.2	1356.5	1303.1	1258.0	1194.4	1136.9	1075.3	1011.7
30°	1805.9	1760.8	1695.1	1621.2	1553.6	1494.0	1430.4	1346.2	1282.6	1208.7	1126.6
32.5°	2113.8	2060.4	1972.1	1902.4	1818.2	1740.3	1652.0	1567.9	1477.6	1381.1	1286.7
35°	2501.7	2452.4	2349.7	2247.2	2154.8	2062.5	1951.6	1855.2	1728.0	1611.0	1489.9
37.5°	2903.8	2815.6	2721.2	2610.4	2495.4	2384.7	2249.2	2115.9	1970.2	1842.9	1691.0
40°	3363.5	3256.9	3178.9	3059.9	2897.7	2739.7	2614.5	2448.3	2265.6	2095.3	1916.8
42.5°	3993.6	3874.6	3735.0	3554.4	3437.4	3252.7	3090.7	2893.6	2653.5	2462.7	2247.2
45°	4722.2	4560.0	4424.6	4250.2	4108.5	3878.7	3689.8	3427.2	3187.0	2936.7	2674.0
47.5°	5553.3	5352.1	5155.1	4982.8	4757.0	4531.3	4291.2	4012.0	3704.2	3429.2	3117.3
50°	6507.6	6222.3	5949.3	5727.8	5417.8	5157.2	4896.6	4582.6	4242.0	3925.9	3570.9
52.5°	7568.6	7238.1	6877.0	6536.3	6177.2	5842.7	5528.7	5167.5	4787.8	4402.0	4005.9
55°	8849.1	8600.8	8176.0	7743.0	7262.8	6815.4	6411.1	5963.7	5502.0	4995.1	4578.4
57.5°	10854.1	10733.1	10378.0	9945.0	9319.1	8775.2	8089.8	7541.9	6872.8	6175.1	5637.4
60°	13571.3	13421.5	13222.4	12871.5	12374.8	11636.1	10880.8	10029.1	9011.3	8044.7	7127.4
62.5°	15020.1	14966.7	14804.7	14562.5	14098.7	13515.9	12754.5	11818.7	10669.4	9495.5	8325.8
63°	15063.2	14995.5	14856.0	14609.7	14201.3	13636.9	12889.9	11980.8	10856.2	9659.8	8465.4
65°	14480.4	14453.7	14312.1	14043.3	13764.1	13333.3	12754.5	11972.6	11028.6	9897.8	8709.5
67.5°	12842.7	12762.7	12545.2	12463.1	12268.1	11968.5	11527.3	10989.6	10314.4	9425.8	8399.7
70°	10862.4	10743.3	10470.4	10324.7	10086.6	9897.8	9629.0	9245.2	8828.6	8208.8	7443.4
72.5°	8762.9	8516.7	8266.3	7886.6	7554.2	7217.6	6920.1	6649.1	6191.5	5941.1	5360.4
75°	5690.8	5243.4	4814.5	4239.9	3722.7	3265.1	2819.7	2594.0	2124.0	1933.2	1660.2
77.5°	2700.7	2450.4	2113.8	1853.2	1520.7	1241.6	1013.8	761.3	597.2	467.9	357.1
80°	2179.5	1968.1	1764.9	1528.9	1278.5	1020.0	781.9	584.9	414.5	287.4	203.2
82.5°	1943.4	1713.6	1463.2	1301.1	1130.8	925.6	759.3	619.8	457.6	334.5	227.8
85°	755.2	636.2	490.5	400.2	311.9	256.5	231.9	160.1	125.2	98.5	76.0
87.5°	65.7	53.4	43.1	28.7	30.8	16.4	18.4	12.3	10.3	10.3	8.2
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	453.6	451.5	449.4	445.3	445.3	441.2	439.2	437.1	426.8	404.2	385.8
5°	476.1	472.0	467.9	461.8	457.6	451.5	447.4	441.2	418.7	375.5	338.7
7.5°	508.9	500.7	494.6	482.3	476.1	467.9	461.8	451.5	414.5	348.9	297.6
10°	548.0	533.6	523.3	508.9	496.7	486.4	476.1	461.8	410.5	320.1	260.6
12.5°	595.1	578.8	558.2	541.8	525.4	511.0	496.7	478.1	404.2	295.5	231.9
15°	642.4	617.7	603.3	580.7	558.2	537.7	517.2	500.7	406.3	268.8	207.3
17.5°	695.8	671.1	640.3	615.6	591.1	564.4	539.7	506.9	396.1	248.3	188.8
20°	747.0	712.1	683.4	652.6	617.7	584.9	554.1	525.4	387.9	227.8	172.4
22.5°	802.4	761.3	724.5	685.4	642.4	605.4	568.5	531.5	373.5	209.3	158.0
25°	870.2	822.9	769.5	722.4	677.2	632.1	584.9	539.7	359.2	193.0	147.8
27.5°	952.2	890.7	837.3	777.8	714.2	656.7	605.4	556.2	344.8	180.6	137.5
30°	1056.9	985.1	909.1	833.2	765.5	699.8	628.0	566.4	330.4	168.3	127.3
32.5°	1196.5	1106.1	1013.8	925.6	835.2	751.1	675.1	595.1	322.2	158.0	117.0
35°	1381.1	1264.1	1151.3	1040.5	931.7	829.1	730.6	640.3	322.2	145.7	104.7
37.5°	1555.5	1420.1	1276.5	1139.0	1009.6	890.7	773.7	664.9	305.8	135.4	94.4
40°	1744.4	1582.3	1414.0	1251.8	1095.9	948.1	814.7	689.5	291.4	123.1	84.1
42.5°	2033.8	1828.5	1608.9	1420.1	1233.4	1050.8	884.5	736.8	273.0	110.8	73.9
45°	2413.4	2152.7	1894.2	1664.4	1426.3	1202.6	1005.6	822.9	268.8	100.5	63.6
47.5°	2819.7	2511.9	2208.2	1914.7	1635.6	1375.0	1139.0	919.4	268.8	90.3	55.4
50°	3224.0	2838.2	2514.0	2173.3	1859.3	1551.5	1270.4	1020.0	270.9	82.1	45.2
52.5°	3589.3	3176.8	2813.6	2419.6	2072.7	1715.6	1409.8	1118.4	266.7	71.8	36.9
55°	4096.2	3611.9	3191.2	2756.2	2349.7	1947.6	1600.7	1266.2	268.8	63.6	30.8
57.5°	5029.9	4461.6	3954.6	3384.1	2916.2	2397.0	1976.3	1569.9	293.5	53.4	22.6
60°	6370.1	5631.3	4919.2	4223.4	3628.3	3010.6	2464.7	1986.5	344.8	43.1	16.4
62.5°	7271.0	6304.4	5454.8	4687.3	3995.6	3349.2	2754.1	2210.3	379.7	34.9	10.3
63°	7363.3	6363.9	5510.2	4718.0	4012.0	3365.6	2766.4	2226.6	381.8	32.8	10.3
65°	7537.7	6466.5	5540.9	4724.1	3995.6	3343.0	2758.1	2224.6	385.8	26.6	8.2
67.5°	7338.8	6308.5	5362.4	4547.7	3852.0	3209.6	2655.5	2142.5	383.7	18.4	6.1
70°	6563.0	5709.2	4878.1	4118.8	3486.7	2905.9	2417.5	1953.7	353.0	12.3	4.1
72.5°	4818.5	4237.8	3593.5	3045.5	2626.8	2181.5	1861.3	1467.4	273.0	8.2	2.1
75°	1428.3	1301.1	1093.8	964.6	851.7	703.9	625.9	488.4	139.6	4.1	0.0
77.5°	285.3	258.5	231.9	211.4	199.1	170.4	162.2	133.4	57.5	2.1	0.0
80°	149.8	123.1	104.7	92.3	80.0	65.7	55.4	45.2	10.3	0.0	0.0
82.5°	143.6	96.5	69.7	57.5	49.2	39.0	30.8	22.6	6.1	0.0	0.0
85°	53.4	41.0	30.8	24.7	20.5	18.4	14.4	12.3	0.0	0.0	0.0
87.5°	8.2	6.1	6.1	4.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	367.4	350.9	342.7	332.4	332.4	330.4	334.5
5°	305.8	283.2	266.7	254.5	256.5	250.4	252.4
7.5°	258.5	236.0	221.7	213.5	211.4	209.3	209.3
10°	223.7	203.2	190.9	184.7	182.7	182.7	182.7
12.5°	199.1	178.5	168.3	164.1	164.1	162.2	162.2
15°	178.5	162.2	151.8	147.8	147.8	145.7	147.8
17.5°	162.2	145.7	137.5	133.4	133.4	131.3	131.3
20°	147.8	133.4	125.2	119.1	119.1	117.0	119.1
22.5°	135.4	121.0	110.8	106.7	104.7	102.6	104.7
25°	123.1	108.8	98.5	92.3	90.3	90.3	88.3
27.5°	112.8	98.5	86.2	80.0	78.0	78.0	76.0
30°	102.6	86.2	73.9	67.8	65.7	65.7	65.7
32.5°	92.3	73.9	63.6	57.5	55.4	55.4	55.4
35°	82.1	63.6	53.4	47.2	45.2	45.2	45.2
37.5°	69.7	53.4	41.0	36.9	34.9	32.8	32.8
40°	59.5	41.0	30.8	26.6	22.6	22.6	22.6
42.5°	49.2	32.8	22.6	16.4	14.4	12.3	14.4
45°	41.0	24.7	14.4	8.2	6.1	6.1	6.1
47.5°	32.8	16.4	6.1	2.1	2.1	2.1	2.1
50°	24.7	10.3	2.1	0.0	0.0	2.1	2.1
52.5°	18.4	6.1	0.0	0.0	0.0	0.0	0.0
55°	10.3	2.1	0.0	0.0	0.0	0.0	0.0
57.5°	6.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)