

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: P150486

Luminaire Tested: **VXS-F06-LED-E1-SL3-HSS-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150486
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-F06-LED-E1-SL3-HSS-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8812.1 lumens
Efficiency: N/A
Efficacy: 56.3 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): 156.5
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



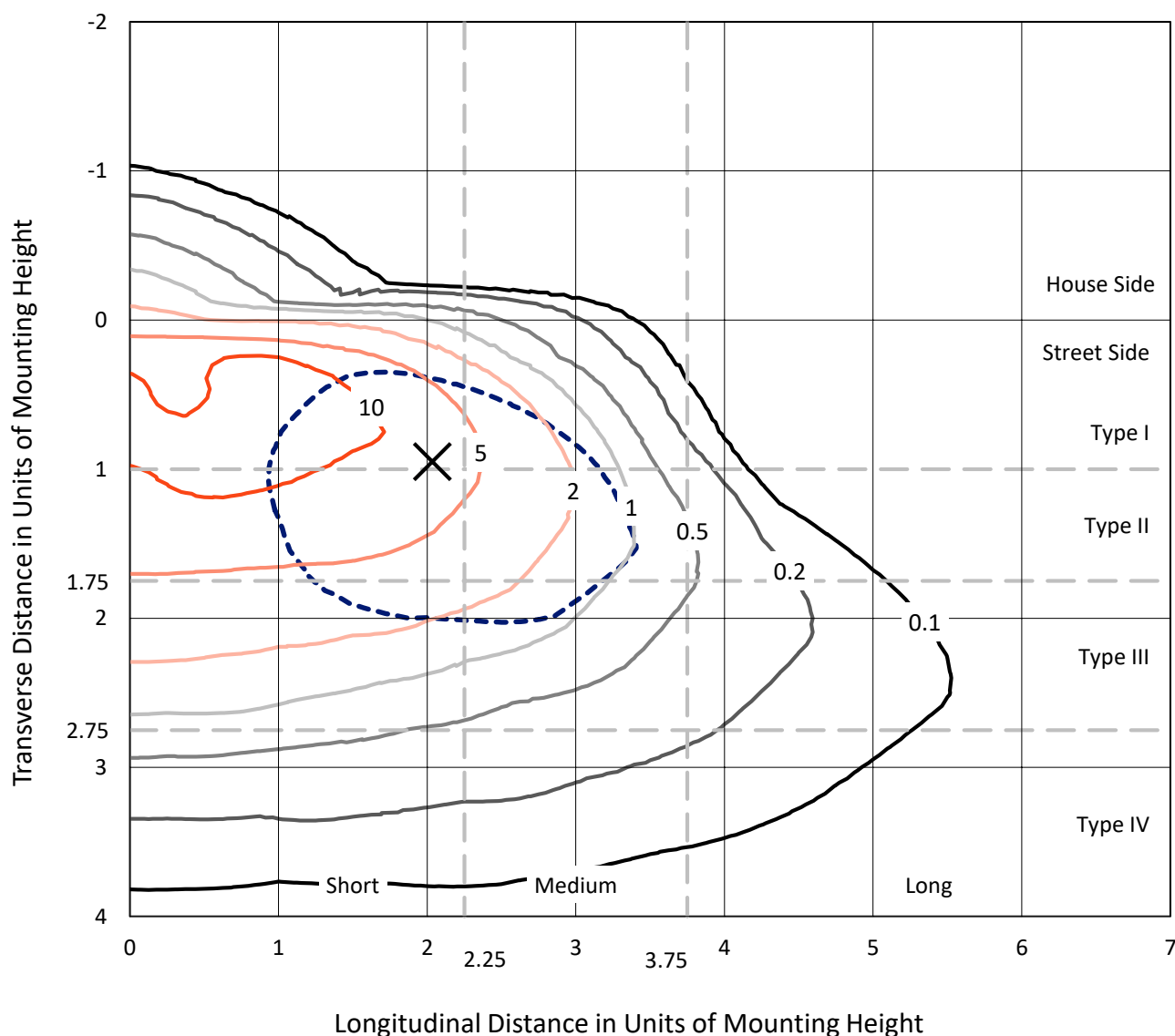
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

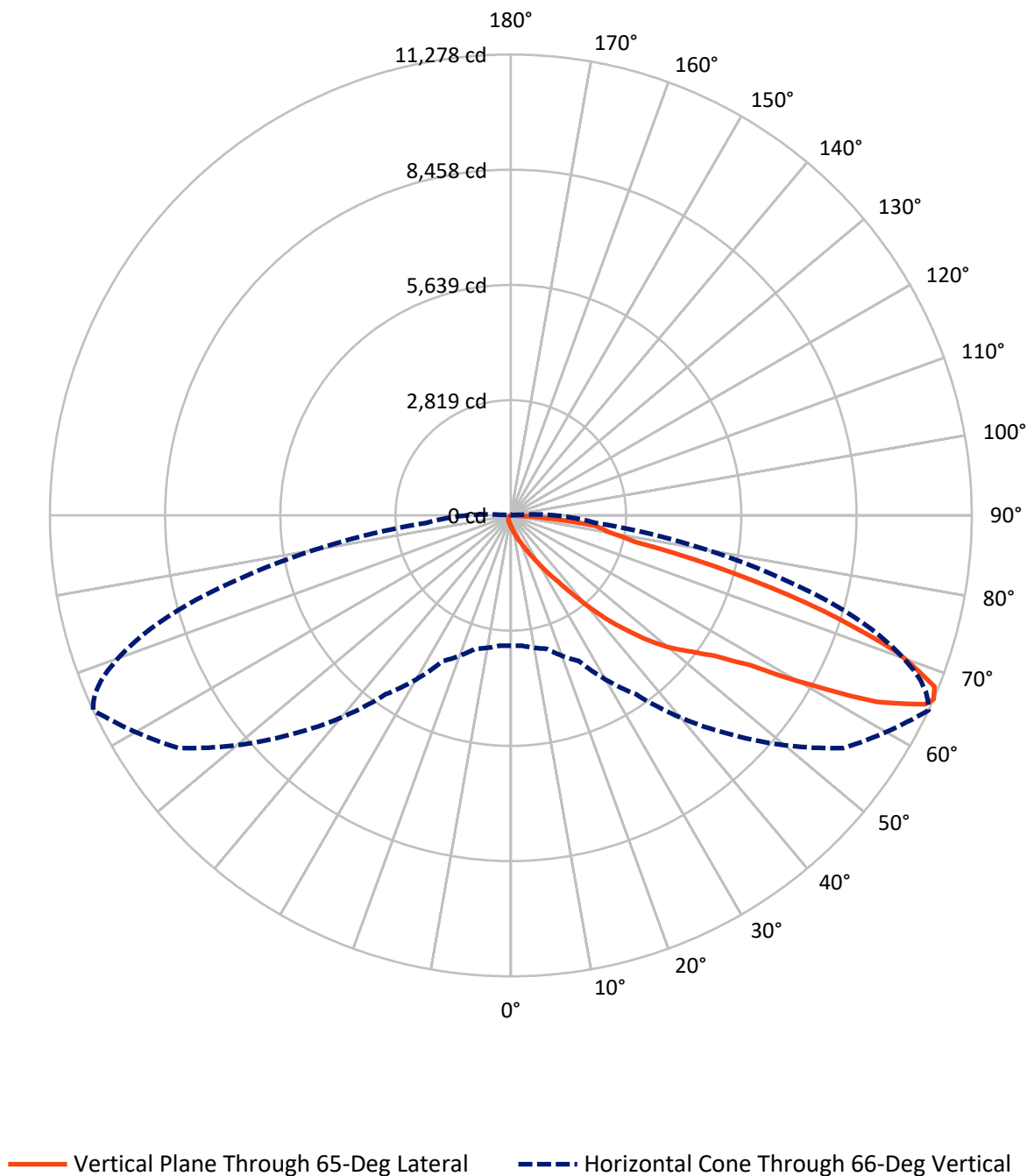


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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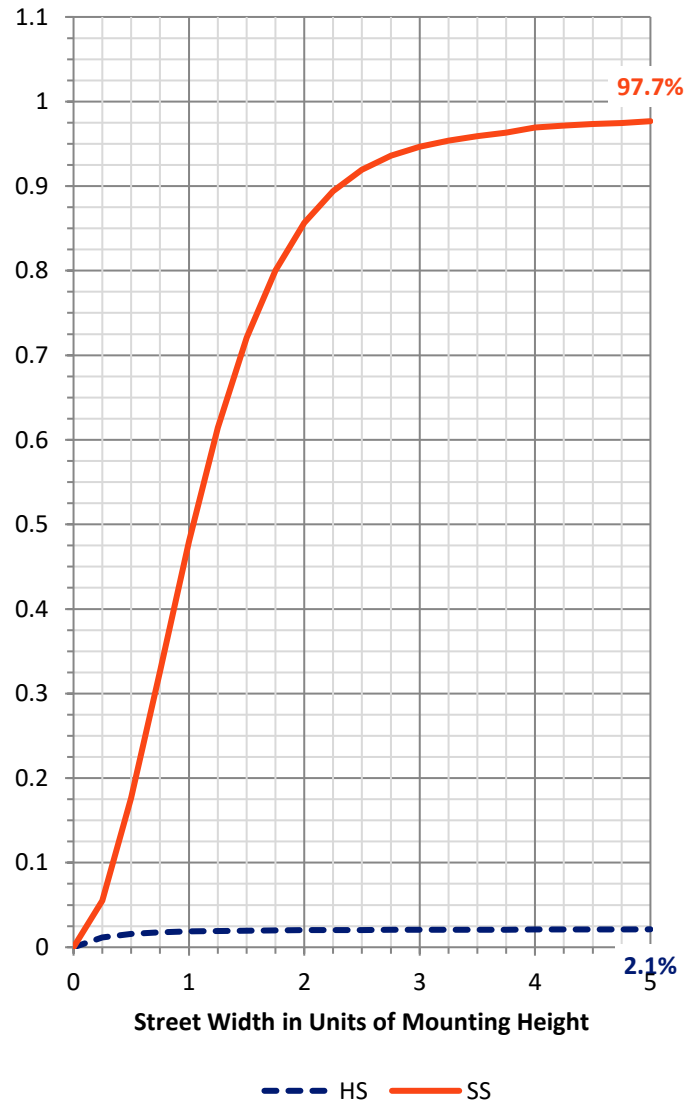
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	191.0	0.0	191.0
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	8621.1	0.0	8621.1
	% Fixture	97.8	0.0	97.8
Total	Lumens	8812.1	0.0	8812.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.3
10°-20°	126.3	1.4
20°-30°	272.3	3.1
30°-40°	581.5	6.6
40°-50°	1286.0	14.6
50°-60°	2179.4	24.7
60°-70°	2908.2	33.0
70°-80°	1281.0	14.5
80°-90°	147.6	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°	8812.1	100.0
0°-180°	8812.1	100.0

Coefficient of Utilization



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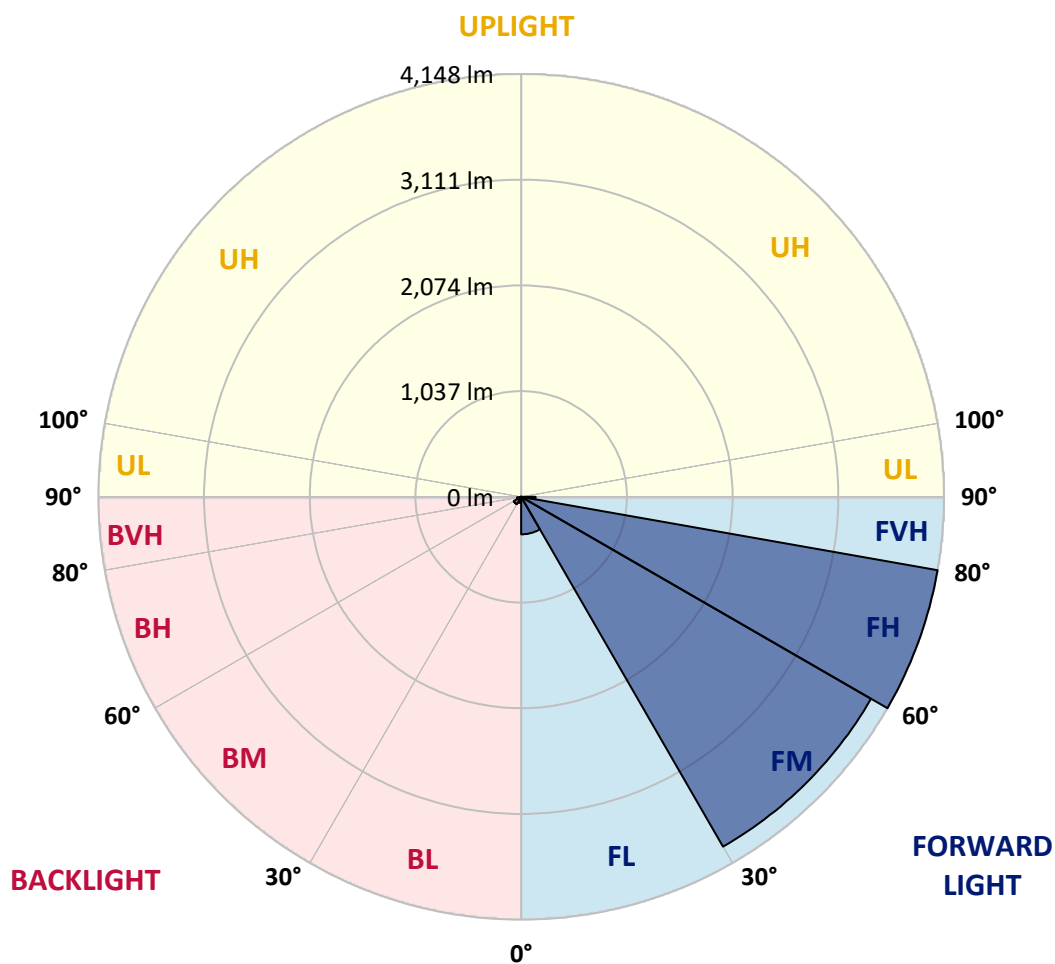
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.1	4.2			
FM	(30°-60°)	3963.1	45.0			
FH	(60°-80°)	4148.3	47.1			G2/5000
FVH	(80°-90°)	141.7	1.6			G2/225
BL	(0°-30°)	60.3	0.7	B0/110		
BM	(30°-60°)	83.9	1.0	B0/220		
BH	(60°-80°)	41.0	0.5	B0/110		G0/110
BVH	(80°-90°)	5.9	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°	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0
2.5°	335.4	333.8	326.9	326.9	316.8	310.1	301.6	293.1	293.1	291.4	289.7
5°	443.8	433.7	432.0	413.4	398.1	376.1	355.8	328.7	325.3	321.9	320.2
7.5°	564.1	562.5	547.3	525.2	494.7	454.0	413.4	369.3	362.6	359.2	352.4
10°	720.0	711.5	691.2	654.0	608.2	554.0	487.9	418.4	409.9	403.2	399.8
12.5°	869.1	853.9	842.0	794.5	737.0	657.3	577.7	477.7	471.0	462.5	448.9
15°	1008.0	994.5	974.1	933.5	869.1	769.1	676.0	554.0	537.0	525.2	515.0
17.5°	1116.5	1108.0	1084.2	1038.5	969.0	880.9	769.1	631.9	618.3	603.1	584.5
20°	1219.8	1208.0	1170.7	1108.0	1033.5	965.7	879.3	733.6	714.9	696.3	676.0
22.5°	1318.0	1306.2	1245.2	1141.9	1062.3	1033.5	1002.9	848.8	820.0	804.8	784.4
25°	1455.2	1429.8	1335.0	1170.7	1063.9	1085.9	1138.4	997.8	970.8	948.7	916.6
27.5°	1639.9	1606.0	1457.0	1213.1	1070.7	1143.5	1294.3	1179.2	1150.4	1124.9	1089.3
30°	1848.3	1826.3	1648.4	1314.6	1119.8	1228.3	1468.8	1409.5	1375.6	1345.2	1302.8
32.5°	2058.3	2027.9	1851.7	1507.8	1252.0	1392.6	1687.4	1677.2	1633.2	1604.4	1558.7
35°	2243.0	2227.8	2097.4	1824.6	1553.6	1680.6	1978.8	1990.7	1951.7	1921.1	1870.4
37.5°	2368.4	2368.4	2343.0	2165.1	2033.0	2127.9	2407.4	2409.1	2370.2	2300.6	2275.2
40°	2432.8	2451.4	2542.9	2576.8	2570.1	2692.0	2969.8	2939.4	2907.2	2871.6	2786.8
42.5°	2565.0	2581.9	2776.7	3010.5	3163.0	3323.9	3515.3	3505.2	3466.2	3401.9	3323.9
45°	2788.6	2810.6	3042.7	3413.7	3727.2	3955.9	4077.8	4030.4	3991.4	3930.5	3889.7
47.5°	3073.2	3115.5	3378.1	3837.2	4215.0	4592.8	4719.9	4594.5	4560.6	4513.3	4447.2
50°	3376.5	3417.1	3696.7	4221.9	4648.7	5099.4	5311.2	5099.4	5050.3	5035.0	4960.5
52.5°	3639.1	3673.0	3942.3	4518.3	4980.8	5509.4	5817.7	5538.1	5502.6	5451.8	5397.6
55°	3794.9	3822.0	4074.4	4660.6	5206.1	5878.8	6307.4	6061.7	6009.1	5988.8	5910.9
57.5°	3847.5	3874.5	4101.6	4679.3	5328.1	6215.9	6902.0	6910.5	6847.8	6774.9	6751.2
60°	3847.5	3877.9	4069.3	4633.5	5446.7	6575.0	7694.8	8401.3	8265.8	8252.2	8165.8
62.5°	3688.2	3717.0	3910.1	4492.8	5605.9	7059.5	8799.4	10046.3	10007.4	9919.3	9777.0
65°	3342.6	3359.5	3549.2	4133.7	5545.0	7505.1	9756.6	11140.7	11078.0	10905.3	10722.3
66°	3186.7	3200.2	3378.1	3928.7	5345.1	7566.1	9926.0	11277.9	11174.6	11028.9	10822.3
67.5°	2961.3	2985.1	3110.5	3547.6	4865.6	7354.3	9819.3	11181.3	11091.6	10915.4	10708.7
70°	1977.1	1960.1	2402.3	2722.5	3706.8	5992.2	8809.6	10039.6	10041.2	9958.2	9875.2
72.5°	938.5	948.7	1077.5	1675.5	2426.0	4003.3	7012.1	8013.4	8128.5	7979.5	7876.1
75°	674.3	689.5	767.5	1025.0	1446.8	2402.3	4545.4	5604.2	5607.7	5343.3	5107.9
77.5°	196.5	205.0	288.0	631.9	1084.2	1621.3	2610.7	3115.5	3042.7	2853.0	2675.0
80°	81.3	81.3	84.7	201.6	435.4	1101.2	1826.3	2399.0	2390.5	2317.6	2212.5
82.5°	30.5	32.2	40.6	83.0	103.3	271.1	1218.1	2082.1	2077.0	1973.7	1899.2
85°	3.4	3.4	10.2	35.5	39.0	50.8	243.9	918.2	913.2	918.2	804.8
87.5°	0.0	0.0	1.7	3.4	5.1	6.7	10.2	35.5	39.0	37.3	33.9
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0
2.5°	289.7	286.3	286.3	284.7	284.7	284.7	282.9	281.2	281.2	279.6	277.8
5°	316.8	313.4	311.7	308.3	306.6	305.0	301.6	299.9	296.5	294.8	293.1
7.5°	349.0	342.2	340.5	335.4	330.4	326.9	323.6	318.5	315.1	308.3	306.6
10°	389.6	381.1	374.4	367.7	362.6	354.1	349.0	342.2	335.4	330.4	325.3
12.5°	442.2	430.4	420.1	413.4	401.6	391.4	381.1	376.1	362.6	355.8	347.3
15°	499.8	486.2	474.4	460.8	452.3	435.4	421.9	406.6	399.8	388.0	374.4
17.5°	574.3	552.3	533.7	520.1	503.2	486.2	471.0	455.8	435.4	421.9	404.9
20°	654.0	635.3	609.8	586.2	565.8	545.5	523.5	503.2	484.6	462.5	442.2
22.5°	755.5	728.5	698.0	674.3	647.2	625.2	594.6	567.6	537.0	508.3	484.6
25°	884.4	848.8	820.0	786.1	753.9	720.0	682.7	648.8	609.8	582.8	542.2
27.5°	1043.6	1009.7	970.8	926.7	894.5	843.7	794.5	752.2	706.4	664.1	618.3
30°	1246.9	1197.7	1157.1	1114.7	1050.4	1001.2	943.6	886.0	823.3	781.0	711.5
32.5°	1490.9	1438.3	1377.3	1316.4	1257.1	1187.6	1116.5	1045.3	975.9	897.9	826.7
35°	1789.0	1726.3	1656.9	1590.8	1499.3	1424.8	1335.0	1236.7	1158.8	1069.0	979.2
37.5°	2183.7	2080.4	2019.4	1949.9	1826.3	1724.7	1624.7	1526.4	1389.2	1294.3	1167.3
40°	2678.4	2617.5	2517.5	2405.7	2293.9	2160.0	2024.6	1894.1	1734.8	1602.7	1455.2
42.5°	3259.6	3169.7	3068.1	2907.2	2793.7	2636.1	2482.0	2309.1	2114.3	1944.9	1772.1
45°	3805.1	3698.3	3620.4	3459.5	3340.8	3154.5	2968.2	2785.2	2559.9	2341.3	2141.5
47.5°	4394.6	4306.5	4177.8	4047.4	3927.0	3717.0	3515.3	3293.5	3056.3	2797.0	2537.8
50°	4913.1	4843.6	4755.4	4597.9	4464.0	4287.9	4050.7	3808.5	3508.6	3251.1	2956.3
52.5°	5353.5	5299.3	5175.6	5063.8	4943.5	4777.5	4565.7	4333.7	4010.1	3727.2	3391.7
55°	5873.6	5834.6	5726.2	5656.8	5550.1	5390.8	5192.5	4977.4	4635.2	4326.8	3947.4
57.5°	6725.8	6695.3	6600.4	6571.6	6466.5	6327.7	6083.7	5853.3	5453.5	5070.6	4636.9
60°	8137.0	8076.1	7937.1	7865.9	7644.0	7457.6	7140.8	6824.0	6341.2	5853.3	5331.5
62.5°	9648.2	9477.1	9212.7	8985.8	8670.7	8347.0	7923.5	7439.1	6873.2	6293.8	5694.1
65°	10463.1	10171.7	9837.9	9477.1	9068.8	8592.7	8059.1	7478.0	6869.7	6258.2	5624.6
66°	10556.3	10227.6	9873.5	9472.0	9017.9	8511.4	7969.3	7359.4	6727.5	6131.1	5497.5
67.5°	10439.4	10095.4	9721.0	9275.4	8784.1	8259.0	7689.7	7056.2	6448.0	5843.1	5226.4
70°	9621.0	9278.9	8945.1	8475.9	7952.3	7423.7	6885.1	6176.9	5600.8	5045.2	4496.3
72.5°	7683.0	7450.9	7120.5	6719.0	6209.0	5589.0	5140.1	4506.4	4006.6	3468.0	3042.7
75°	4801.2	4474.3	4066.0	3554.3	3164.7	2661.6	2399.0	1917.8	1633.2	1384.1	1143.5
77.5°	2454.8	2209.2	1922.9	1634.8	1358.8	1084.2	838.7	593.0	399.8	277.8	206.7
80°	2027.9	1811.1	1573.9	1311.3	1067.4	828.4	596.4	406.6	259.2	169.4	132.1
82.5°	1675.5	1492.5	1280.8	1036.8	825.1	650.6	452.3	294.8	183.0	118.5	93.2
85°	713.3	647.2	499.8	396.5	298.1	220.2	154.2	103.3	72.8	59.3	54.2
87.5°	30.5	33.9	32.2	25.4	18.7	18.7	16.9	13.6	13.6	13.6	13.6
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°	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0
2.5°	277.8	276.2	274.4	274.4	272.7	271.1	260.9	252.4	242.3	235.4	228.7
5°	289.7	288.0	284.7	282.9	279.6	277.8	255.9	237.2	222.0	210.1	201.6
7.5°	301.6	299.9	294.8	289.7	288.0	284.7	249.0	225.3	205.0	191.4	183.0
10°	316.8	311.7	306.6	299.9	294.8	289.7	242.3	211.8	189.7	177.9	169.4
12.5°	338.9	330.4	321.9	313.4	306.6	298.1	238.9	199.9	177.9	164.4	155.9
15°	364.2	352.4	342.2	332.0	320.2	311.7	232.1	189.7	167.8	154.2	144.0
17.5°	388.0	374.4	359.2	343.9	332.0	320.2	225.3	179.6	157.5	144.0	133.9
20°	421.9	401.6	382.9	364.2	347.3	332.0	215.1	169.4	149.1	133.9	123.6
22.5°	459.1	435.4	411.7	386.2	364.2	343.9	206.7	160.9	140.6	125.4	113.5
25°	506.5	477.7	445.6	413.4	388.0	360.8	198.2	152.4	132.1	116.9	105.1
27.5°	572.6	531.9	496.4	455.8	416.8	386.2	191.4	145.7	123.6	108.4	96.6
30°	662.4	603.1	547.3	503.2	457.4	413.4	184.7	137.2	116.9	100.0	86.4
32.5°	762.4	693.0	628.5	562.5	504.9	454.0	177.9	130.5	108.4	91.5	79.6
35°	886.0	797.9	711.5	635.3	565.8	498.0	171.1	123.6	101.7	83.0	71.2
37.5°	1063.9	953.8	840.3	742.1	652.2	562.5	166.0	116.9	93.2	74.5	62.7
40°	1307.9	1165.6	1026.6	892.8	776.0	664.1	159.3	110.2	86.4	67.8	56.0
42.5°	1572.1	1399.4	1216.4	1065.6	904.7	764.0	152.4	103.3	79.6	61.0	49.1
45°	1900.8	1685.7	1463.7	1258.8	1062.3	880.9	145.7	96.6	71.2	54.2	42.4
47.5°	2260.0	1985.6	1734.8	1477.3	1243.5	1026.6	137.2	91.5	64.4	47.5	37.3
50°	2629.3	2339.6	2022.8	1729.7	1451.9	1172.3	128.7	83.0	57.6	42.4	30.5
52.5°	3027.5	2685.2	2361.7	1997.4	1673.8	1363.8	120.3	76.3	52.5	37.3	25.4
55°	3534.0	3151.1	2771.6	2363.3	1973.7	1585.7	111.8	67.8	45.7	32.2	20.3
57.5°	4171.0	3717.0	3251.1	2790.3	2317.6	1877.1	105.1	59.3	39.0	27.2	16.9
60°	4772.4	4242.2	3678.0	3147.8	2614.1	2100.7	94.9	52.5	33.9	22.1	16.9
62.5°	5084.1	4479.4	3871.1	3286.6	2717.4	2180.4	84.7	44.0	28.8	18.7	15.2
65°	5007.9	4391.2	3801.7	3212.1	2654.7	2129.5	74.5	39.0	25.4	16.9	15.2
66°	4897.8	4287.9	3694.9	3134.2	2602.2	2075.3	69.4	37.3	23.7	16.9	13.6
67.5°	4657.2	4067.7	3501.8	2980.0	2458.2	1972.0	62.7	33.9	22.1	15.2	13.6
70°	3977.8	3442.5	2990.2	2526.0	2100.7	1662.0	50.8	28.8	18.7	13.6	13.6
72.5°	2632.7	2268.5	1966.9	1692.4	1414.6	1097.8	42.4	23.7	15.2	13.6	11.8
75°	992.7	897.9	770.9	693.0	604.8	530.3	33.9	15.2	11.8	11.8	11.8
77.5°	176.2	162.6	144.0	132.1	122.0	111.8	27.2	10.2	10.2	11.8	11.8
80°	118.5	110.2	100.0	91.5	84.7	76.3	18.7	8.5	10.2	10.2	11.8
82.5°	84.7	79.6	74.5	67.8	62.7	56.0	11.8	8.5	10.2	10.2	10.2
85°	50.8	47.5	44.0	40.6	35.5	33.9	8.5	8.5	8.5	10.2	10.2
87.5°	13.6	11.8	13.6	13.6	10.2	11.8	6.7	6.7	6.7	8.5	8.5
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°	266.0	266.0	266.0	266.0	266.0
2.5°	225.3	225.3	222.0	227.0	227.0
5°	194.8	194.8	193.2	194.8	194.8
7.5°	177.9	176.2	176.2	176.2	177.9
10°	162.6	160.9	160.9	160.9	160.9
12.5°	149.1	147.4	145.7	147.4	147.4
15°	137.2	133.9	133.9	133.9	133.9
17.5°	127.0	123.6	122.0	122.0	122.0
20°	116.9	111.8	111.8	111.8	111.8
22.5°	106.7	101.7	101.7	101.7	101.7
25°	96.6	91.5	91.5	91.5	91.5
27.5°	88.1	83.0	83.0	83.0	83.0
30°	77.9	74.5	74.5	76.3	74.5
32.5°	71.2	66.1	66.1	67.8	67.8
35°	62.7	59.3	59.3	59.3	59.3
37.5°	54.2	50.8	50.8	50.8	50.8
40°	47.5	44.0	42.4	44.0	44.0
42.5°	40.6	37.3	35.5	35.5	35.5
45°	35.5	30.5	28.8	30.5	30.5
47.5°	28.8	25.4	25.4	27.2	27.2
50°	22.1	22.1	23.7	27.2	27.2
52.5°	20.3	20.3	23.7	27.2	27.2
55°	18.7	20.3	23.7	25.4	27.2
57.5°	16.9	20.3	23.7	25.4	25.4
60°	16.9	18.7	22.1	25.4	25.4
62.5°	15.2	16.9	20.3	23.7	23.7
65°	15.2	16.9	20.3	23.7	23.7
66°	15.2	16.9	20.3	23.7	23.7
67.5°	15.2	16.9	20.3	23.7	23.7
70°	15.2	16.9	20.3	22.1	22.1
72.5°	13.6	15.2	18.7	22.1	22.1
75°	13.6	15.2	18.7	22.1	22.1
77.5°	13.6	15.2	18.7	22.1	22.1
80°	13.6	15.2	18.7	20.3	22.1
82.5°	11.8	15.2	16.9	20.3	20.3
85°	11.8	13.6	16.9	18.7	20.3
87.5°	10.2	11.8	13.6	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)