

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: P151601

Luminaire Tested: **VXS-E04-LED-E1-SL4-HSS-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151601
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-E04-LED-E1-SL4-HSS-7050
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8351.7 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 97.2
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



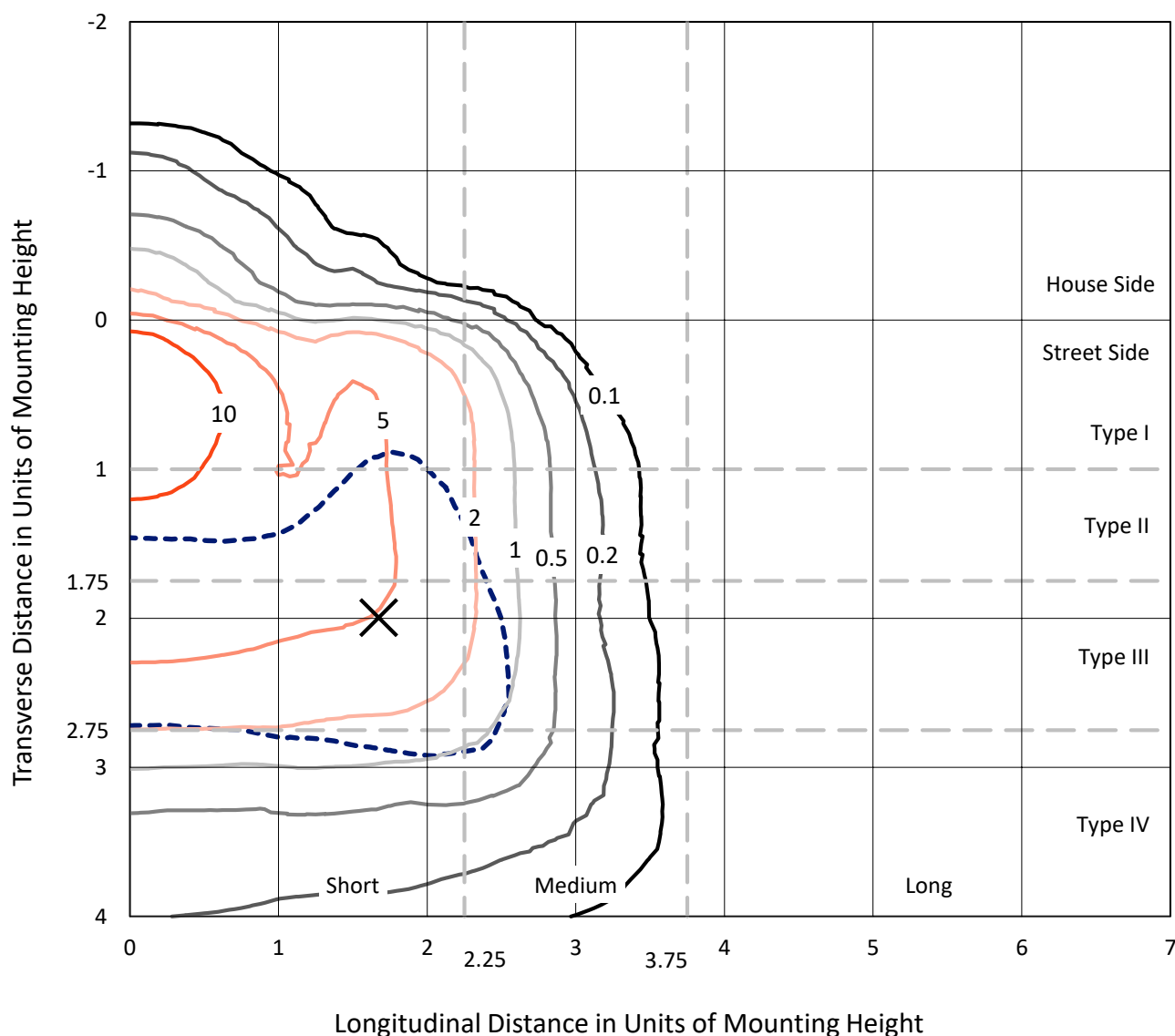
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

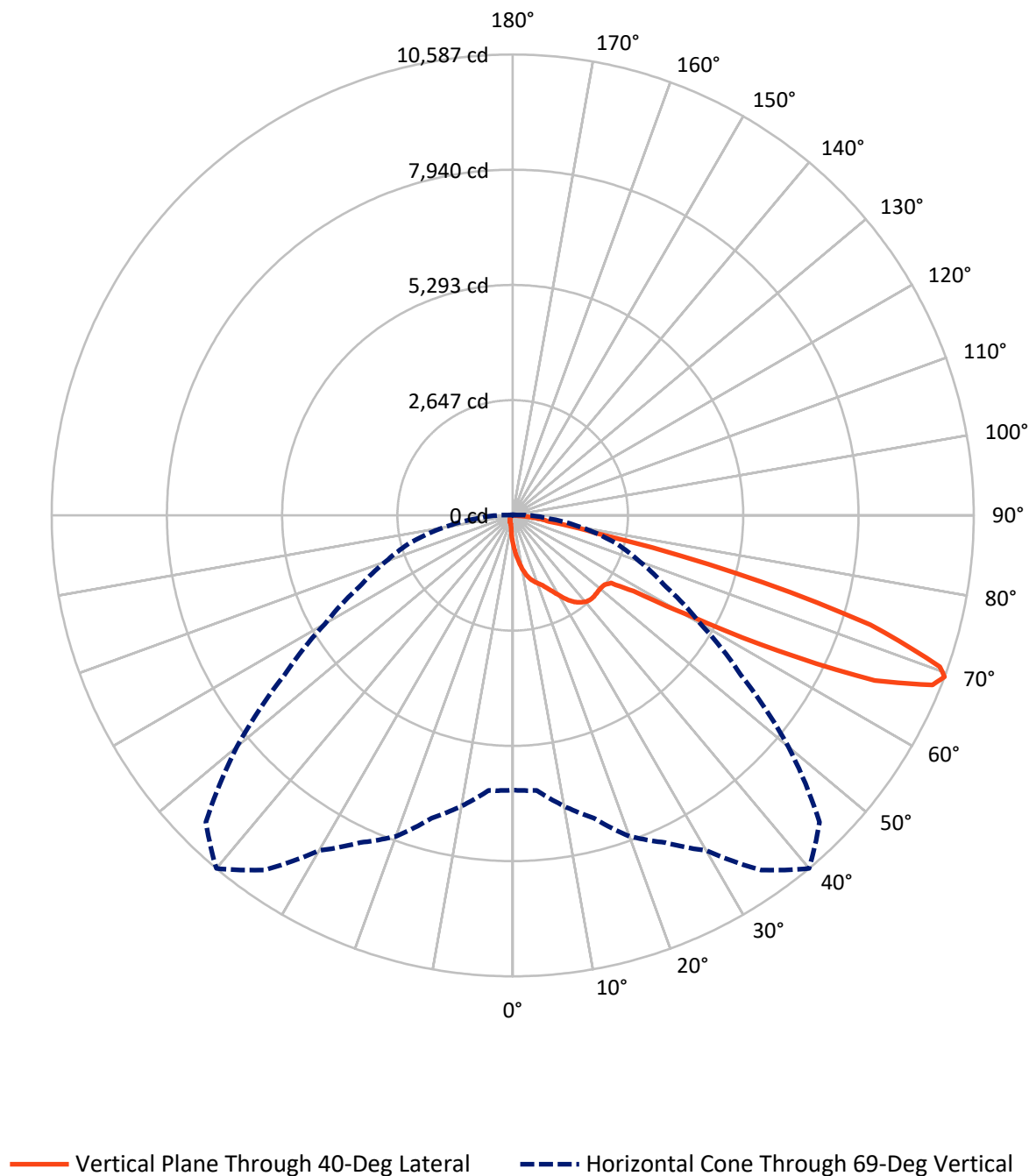


Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	248.7	0.0	248.7
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	8103.0	0.0	8103.0
	% Fixture	97.0	0.0	97.0
Total	Lumens	8351.7	0.0	8351.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	0.8
10°-20°	223.5	2.7
20°-30°	427.8	5.1
30°-40°	711.4	8.5
40°-50°	962.7	11.5
50°-60°	1505.5	18.0
60°-70°	3095.3	37.1
70°-80°	1245.5	14.9
80°-90°	115.2	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°	8351.7	100.0
0°-180°	8351.7	100.0

Coefficient of Utilization



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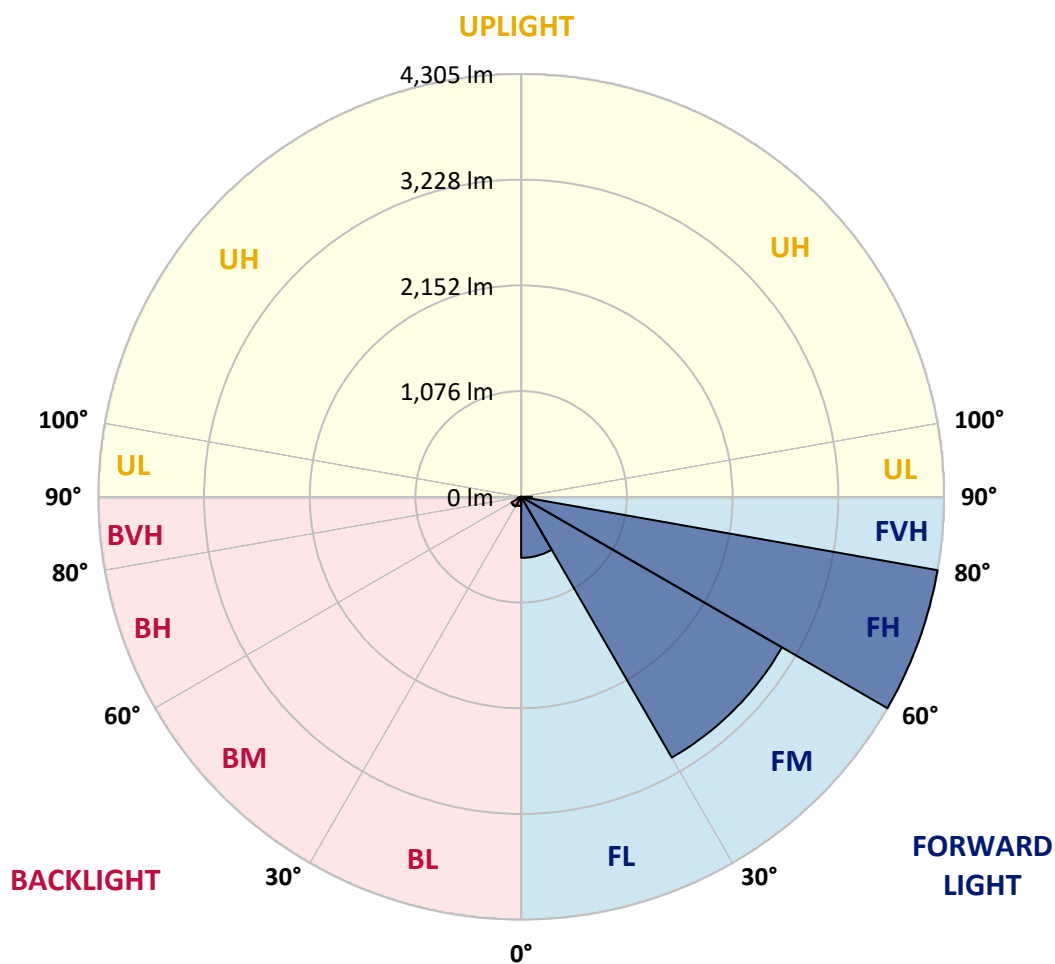
CATALOG NUMBER: VXS-E04-LED-E1-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	621.5	7.4			
FM	(30°-60°)	3066.0	36.7			
FH	(60°-80°)	4304.5	51.5			G2/5000
FVH	(80°-90°)	110.9	1.3			G2/225
BL	(0°-30°)	94.6	1.1	B0/110		
BM	(30°-60°)	113.6	1.4	B0/220		
BH	(60°-80°)	36.3	0.4	B0/110		G0/110
BVH	(80°-90°)	4.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	841.5	831.8	820.9	820.9	807.3	807.3	799.0	777.1	774.4	762.1	749.7
5°	1074.0	1065.8	1052.1	1039.8	1028.8	1009.6	996.0	970.1	941.2	913.9	889.3
7.5°	1301.1	1297.0	1272.3	1268.3	1250.5	1219.0	1191.6	1153.4	1104.0	1065.8	1020.6
10°	1511.8	1502.2	1496.8	1473.5	1447.5	1413.3	1370.9	1324.4	1266.9	1206.7	1142.4
12.5°	1678.8	1673.3	1648.6	1639.1	1611.7	1577.5	1524.1	1463.9	1406.4	1328.5	1253.3
15°	1803.2	1793.7	1777.2	1762.2	1729.3	1699.3	1649.9	1584.4	1514.5	1429.7	1339.4
17.5°	1907.2	1889.4	1885.3	1862.1	1827.9	1792.2	1737.5	1677.3	1595.2	1510.5	1411.9
20°	2046.7	2022.1	2013.9	1979.7	1940.0	1890.8	1827.9	1752.5	1666.4	1573.4	1472.1
22.5°	2210.9	2193.2	2175.3	2145.3	2094.6	2024.9	1933.2	1851.1	1741.7	1639.1	1529.5
25°	2443.5	2428.5	2399.7	2358.7	2295.8	2212.3	2101.5	1981.0	1852.4	1721.1	1592.5
27.5°	2669.2	2655.5	2635.0	2603.5	2532.4	2440.7	2303.9	2150.7	1987.9	1829.2	1686.9
30°	2881.3	2869.0	2848.5	2817.0	2754.1	2663.7	2509.1	2345.0	2142.5	1957.8	1786.8
32.5°	3109.7	3105.7	3082.4	3037.3	2982.6	2860.8	2692.5	2516.1	2310.8	2097.4	1897.6
35°	3368.4	3336.9	3315.0	3269.8	3176.8	3046.8	2849.8	2656.9	2440.7	2221.9	1998.9
37.5°	3587.3	3557.2	3529.8	3472.3	3358.8	3193.3	2970.3	2758.1	2535.1	2312.1	2085.1
40°	3747.4	3732.3	3699.5	3624.2	3497.0	3300.0	3059.2	2828.0	2603.5	2379.2	2154.8
42.5°	3866.3	3843.1	3806.2	3728.2	3577.7	3353.3	3094.7	2856.7	2635.0	2420.2	2200.0
45°	3910.2	3891.0	3856.8	3771.9	3609.1	3368.4	3093.4	2848.5	2636.4	2432.5	2230.1
47.5°	3884.1	3865.0	3834.9	3755.5	3595.4	3350.6	3068.7	2825.2	2622.7	2436.7	2257.4
50°	3797.9	3787.0	3763.7	3696.7	3553.1	3316.4	3046.8	2812.8	2620.0	2457.2	2295.8
52.5°	3789.7	3782.9	3754.2	3687.2	3540.7	3305.4	3044.1	2819.7	2643.2	2483.2	2323.1
55°	4631.2	4534.0	4316.5	4131.8	3828.1	3466.8	3182.3	2930.6	2741.8	2585.8	2473.6
57.5°	6582.2	6437.1	6151.2	5799.6	5101.8	4416.4	3867.8	3471.0	3275.3	3204.1	3246.6
60°	7496.1	7470.1	7424.9	7258.0	6900.9	6311.2	5654.5	4944.5	4659.9	4635.2	4721.5
62.5°	7929.7	7913.4	7927.0	7906.5	7795.6	7623.3	7434.5	7128.0	6846.2	6664.2	6278.4
65°	8129.5	8140.4	8218.4	8280.0	8293.7	8338.9	8477.0	8858.8	9137.8	8668.5	7597.3
67.5°	7621.9	7686.2	7865.4	8089.8	8352.5	8606.9	9017.4	9821.9	10395.1	9843.7	8322.4
69°	6309.8	6341.3	6779.2	7201.9	7843.5	8292.3	8887.5	9942.3	10586.6	9964.1	8265.0
70°	4967.7	4996.5	5465.7	6040.3	7125.3	7702.6	8481.1	9738.4	10407.5	9804.1	7969.4
72.5°	2241.0	2200.0	2365.5	2673.4	3852.6	4769.3	6130.7	7890.1	8586.4	7854.5	5962.4
75°	1565.2	1547.4	1565.2	1566.5	1749.8	2257.4	2848.5	4276.8	5289.2	4564.1	2848.5
77.5°	1212.1	1199.9	1187.6	1173.9	1195.8	1339.4	1396.9	1517.3	1970.2	1863.4	1086.3
80°	959.1	948.1	978.2	968.6	968.6	985.1	974.1	929.0	844.1	782.6	700.5
82.5°	446.0	448.7	448.7	487.0	586.9	685.4	716.9	671.7	596.5	507.6	409.1
85°	42.4	47.9	80.7	124.5	247.7	279.1	280.5	232.5	232.5	183.3	147.8
87.5°	0.0	1.3	1.3	1.3	12.3	34.2	28.7	8.2	4.1	4.1	6.8
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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CATALOG NUMBER: VXS-E04-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	727.9	723.7	707.4	690.9	675.9	659.5	644.4	629.3	613.0	600.6	585.6
5°	851.0	820.9	786.6	753.9	721.0	686.8	651.2	619.8	586.9	556.8	528.1
7.5°	975.4	916.7	870.2	811.3	757.9	704.6	655.3	604.8	558.2	514.4	473.4
10°	1080.8	1009.6	937.2	862.0	785.3	714.2	645.8	585.6	524.0	470.7	420.0
12.5°	1167.0	1076.7	987.8	893.4	807.3	716.9	632.1	559.6	487.0	426.8	374.9
15°	1245.0	1141.0	1034.3	924.9	815.4	712.8	618.4	528.1	454.2	385.8	326.9
17.5°	1308.0	1188.9	1068.5	945.4	827.8	707.4	600.6	506.2	420.0	348.9	291.4
20°	1362.7	1238.1	1108.2	970.1	836.0	706.0	585.6	478.9	389.9	314.7	258.5
22.5°	1413.3	1288.8	1149.2	1001.5	848.3	704.6	571.9	458.3	363.9	288.7	232.5
25°	1470.8	1339.4	1193.1	1034.3	870.2	710.1	563.6	441.9	340.6	264.0	212.0
27.5°	1535.0	1396.9	1245.0	1075.3	898.9	721.0	560.9	424.1	320.1	240.8	195.6
30°	1625.4	1465.3	1297.0	1116.4	924.9	733.4	558.2	413.2	299.6	223.0	179.3
32.5°	1704.7	1532.3	1354.5	1158.9	953.6	745.6	556.8	398.1	280.5	205.2	166.9
35°	1788.2	1593.9	1403.7	1199.9	978.2	759.3	555.4	387.2	262.7	187.5	154.6
37.5°	1860.6	1645.9	1442.0	1235.4	1005.6	771.6	556.8	377.6	246.2	172.4	143.6
40°	1922.3	1699.3	1484.5	1268.3	1034.3	790.8	558.2	368.0	229.8	158.7	134.1
42.5°	1977.0	1749.8	1529.5	1305.2	1067.2	812.6	566.4	359.8	216.2	146.4	124.5
45°	2019.4	1796.4	1578.9	1357.2	1120.5	848.3	581.5	354.3	202.5	135.4	116.3
47.5°	2063.1	1864.8	1662.3	1439.3	1198.4	904.4	607.5	353.0	191.5	127.3	109.4
50°	2123.3	1933.2	1736.2	1522.7	1269.6	961.8	639.0	354.3	177.8	119.1	102.6
52.5°	2167.2	2003.0	1831.9	1667.8	1439.3	1136.9	760.7	379.0	171.0	112.2	94.4
55°	2425.7	2397.0	2401.0	2428.5	2251.9	1934.5	1272.3	547.3	201.1	127.3	93.1
57.5°	3420.3	3521.6	3580.4	3579.1	3287.7	2726.7	1708.8	703.2	224.4	147.8	110.8
60°	4728.3	4651.7	4543.6	4276.8	3889.6	3112.5	1911.3	756.6	194.3	117.6	101.2
62.5°	5884.4	5435.6	5037.5	4605.2	4097.6	3246.6	1952.3	752.4	169.6	88.9	71.2
65°	6605.4	5798.1	5155.1	4613.4	4015.5	3134.4	1846.9	690.9	143.6	72.5	58.9
67.5°	6777.7	5602.5	4692.7	4001.8	3354.7	2439.4	1355.9	519.9	112.2	60.2	52.0
69°	6401.6	4980.0	3888.3	3104.4	2440.7	1618.5	838.7	328.4	86.2	54.7	47.9
70°	5888.5	4331.5	3167.3	2491.4	1807.4	1136.9	586.9	231.2	69.7	50.6	43.7
72.5°	3788.4	2275.2	1557.0	1083.5	745.6	452.8	229.8	103.9	53.4	42.4	35.5
75°	1469.4	841.5	610.2	463.8	362.6	251.7	139.6	67.0	45.2	35.5	27.4
77.5°	723.7	554.1	452.8	310.6	180.6	112.2	75.2	52.0	36.9	26.0	17.8
80°	571.9	380.3	227.2	140.9	106.7	80.7	57.5	42.4	27.4	16.4	12.3
82.5°	292.7	160.1	117.6	95.8	79.4	62.9	46.5	30.1	17.8	11.0	9.5
85°	91.7	67.0	60.2	58.9	54.7	45.2	32.8	19.2	11.0	6.8	6.8
87.5°	6.8	9.5	12.3	9.5	11.0	9.5	12.3	8.2	5.5	5.5	4.1
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°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	574.6	558.2	543.1	533.6	515.8	508.9	502.1	499.4	487.0	489.8	478.9
5°	502.1	473.4	451.5	429.6	409.1	394.0	381.8	366.6	354.3	348.9	337.9
7.5°	436.5	399.5	370.8	347.5	322.9	303.7	287.4	276.4	265.4	254.5	249.0
10°	379.0	339.3	306.4	283.2	259.9	243.5	231.2	223.0	216.2	212.0	210.7
12.5°	325.6	287.4	257.2	236.7	218.9	210.7	205.2	201.1	199.8	198.3	198.3
15°	284.6	246.2	223.0	208.0	199.8	195.6	194.3	191.5	188.8	187.5	187.5
17.5°	246.2	217.5	201.1	193.0	188.8	186.1	183.3	180.6	177.8	176.5	176.5
20°	220.3	197.0	188.8	183.3	179.3	176.5	172.4	169.6	168.3	166.9	165.6
22.5°	199.8	184.7	179.3	175.1	169.6	165.6	162.8	160.1	157.3	156.0	154.6
25°	184.7	175.1	171.0	165.6	160.1	156.0	151.8	147.8	145.0	143.6	140.9
27.5°	173.8	166.9	161.5	154.6	149.1	145.0	140.9	136.8	134.1	131.3	129.9
30°	164.1	157.3	150.5	145.0	138.1	134.1	128.6	124.5	123.1	120.4	117.6
32.5°	154.6	147.8	140.9	134.1	127.3	121.8	119.1	113.6	110.8	109.4	106.7
35°	143.6	136.8	128.6	123.1	116.3	110.8	106.7	102.6	99.9	97.1	95.8
37.5°	134.1	125.9	117.6	110.8	105.4	99.9	95.8	91.7	88.9	86.2	84.9
40°	123.1	114.9	106.7	99.9	94.4	90.3	86.2	82.1	79.4	78.0	78.0
42.5°	113.6	103.9	95.8	90.3	86.2	80.7	76.6	72.5	71.2	69.7	71.2
45°	103.9	94.4	87.6	82.1	78.0	72.5	68.4	65.7	64.4	65.7	67.0
47.5°	95.8	86.2	79.4	75.2	71.2	67.0	62.9	60.2	60.2	62.9	65.7
50°	87.6	78.0	72.5	69.7	65.7	61.6	56.1	54.7	56.1	58.9	61.6
52.5°	79.4	68.4	64.4	62.9	58.9	54.7	50.6	49.2	50.6	53.4	52.0
55°	71.2	60.2	58.9	57.5	53.4	47.9	43.7	43.7	43.7	42.4	39.7
57.5°	68.4	53.4	52.0	50.6	46.5	41.0	38.3	35.5	34.2	30.1	28.7
60°	71.2	47.9	47.9	45.2	41.0	35.5	31.5	27.4	24.7	21.9	21.9
62.5°	57.5	43.7	42.4	39.7	34.2	28.7	24.7	20.5	19.2	17.8	17.8
65°	46.5	39.7	36.9	32.8	28.7	23.2	19.2	16.4	15.0	15.0	16.4
67.5°	42.4	35.5	31.5	27.4	23.2	17.8	15.0	13.7	13.7	15.0	15.0
69°	39.7	32.8	28.7	24.7	20.5	16.4	13.7	13.7	13.7	13.7	15.0
70°	36.9	31.5	27.4	23.2	17.8	13.7	12.3	12.3	13.7	13.7	15.0
72.5°	28.7	24.7	23.2	19.2	13.7	12.3	11.0	12.3	12.3	13.7	13.7
75°	21.9	17.8	17.8	15.0	11.0	9.5	9.5	11.0	11.0	12.3	12.3
77.5°	15.0	12.3	12.3	11.0	9.5	8.2	8.2	9.5	11.0	11.0	12.3
80°	11.0	9.5	8.2	9.5	8.2	6.8	8.2	9.5	9.5	11.0	11.0
82.5°	8.2	8.2	8.2	8.2	6.8	6.8	8.2	8.2	9.5	11.0	11.0
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	8.2	8.2	9.5	9.5
87.5°	4.1	4.1	4.1	5.5	5.5	6.8	6.8	6.8	6.8	8.2	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):

	165°	170°	175°	180°
0°	630.7	630.7	630.7	630.7
2.5°	476.1	474.7	469.2	470.7
5°	333.8	325.6	331.1	329.7
7.5°	244.9	243.5	242.2	244.9
10°	209.3	209.3	208.0	209.3
12.5°	197.0	197.0	197.0	197.0
15°	187.5	187.5	186.1	186.1
17.5°	176.5	176.5	176.5	175.1
20°	165.6	164.1	164.1	164.1
22.5°	153.3	151.8	151.8	151.8
25°	140.9	139.6	139.6	139.6
27.5°	128.6	127.3	125.9	125.9
30°	116.3	114.9	113.6	113.6
32.5°	103.9	102.6	101.2	101.2
35°	93.1	93.1	91.7	90.3
37.5°	83.4	83.4	83.4	83.4
40°	76.6	78.0	78.0	78.0
42.5°	72.5	73.9	75.2	76.6
45°	69.7	72.5	73.9	73.9
47.5°	68.4	69.7	71.2	71.2
50°	62.9	61.6	61.6	61.6
52.5°	50.6	47.9	46.5	45.2
55°	36.9	35.5	32.8	32.8
57.5°	26.0	26.0	24.7	24.7
60°	20.5	20.5	19.2	20.5
62.5°	17.8	17.8	17.8	17.8
65°	16.4	16.4	16.4	16.4
67.5°	16.4	16.4	16.4	16.4
69°	15.0	15.0	15.0	15.0
70°	15.0	15.0	15.0	15.0
72.5°	13.7	13.7	13.7	13.7
75°	12.3	13.7	13.7	13.7
77.5°	12.3	12.3	12.3	12.3
80°	11.0	11.0	12.3	12.3
82.5°	11.0	11.0	11.0	11.0
85°	9.5	9.5	11.0	11.0
87.5°	8.2	8.2	9.5	9.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)