

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: P150454

Luminaire Tested: **VXS-F03-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150454
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-F03-LED-E1-SL3-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3921.9 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 78.3
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



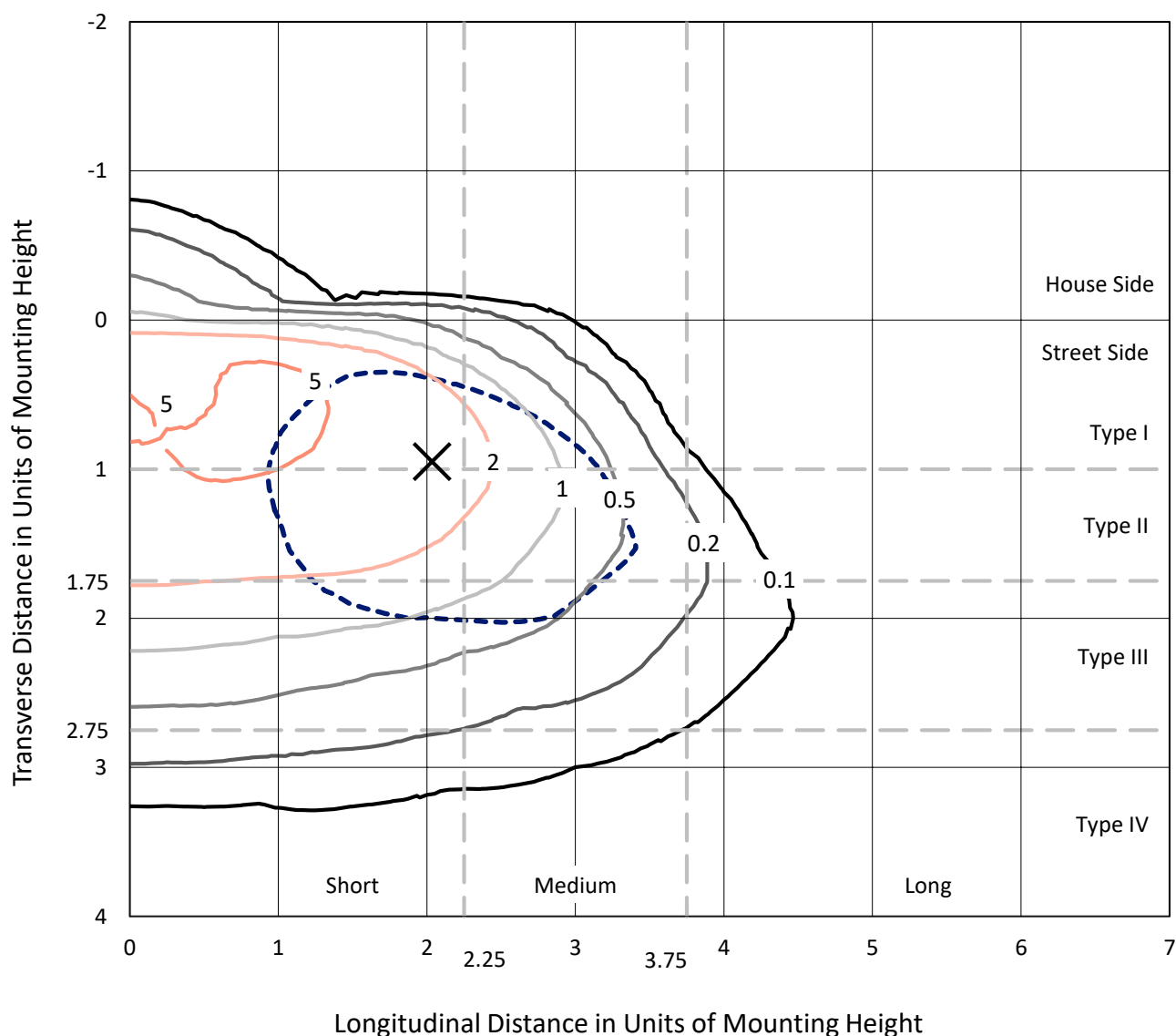
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

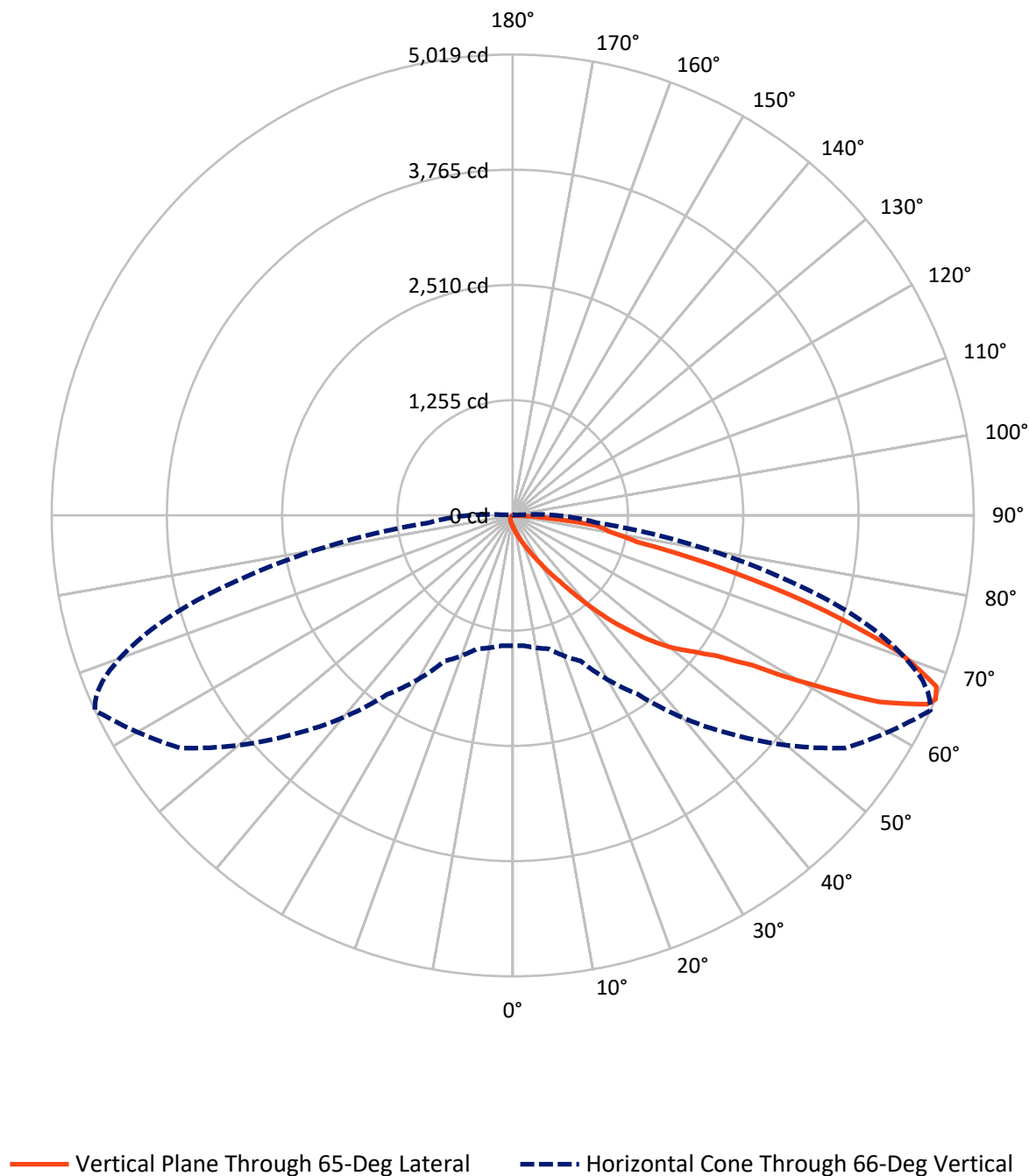


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	85.0	0.0	85.0
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	3836.9	0.0	3836.9
	% Fixture	97.8	0.0	97.8
Total	Lumens	3921.9	0.0	3921.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.3
10°-20°	56.2	1.4
20°-30°	121.2	3.1
30°-40°	258.8	6.6
40°-50°	572.4	14.6
50°-60°	969.9	24.7
60°-70°	1294.3	33.0
70°-80°	570.1	14.5
80°-90°	65.7	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°	3921.9	100.0
0°-180°	3921.9	100.0

Coefficient of Utilization



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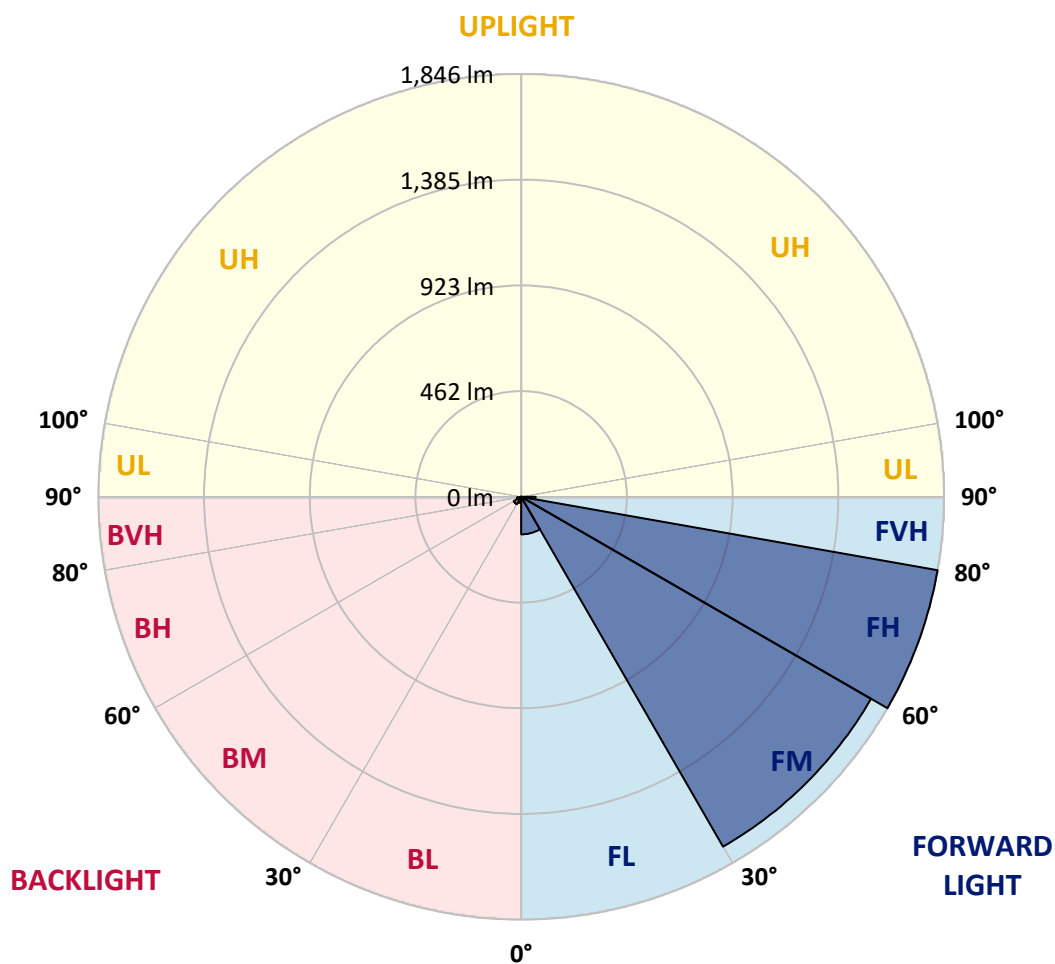
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.8	4.2			
FM	(30°-60°)	1763.8	45.0			
FH	(60°-80°)	1846.2	47.1			G2/5000
FVH	(80°-90°)	63.1	1.6			G1/100
BL	(0°-30°)	26.8	0.7	B0/110		
BM	(30°-60°)	37.3	1.0	B0/220		
BH	(60°-80°)	18.2	0.5	B0/110		G0/110
BVH	(80°-90°)	2.6	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°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
2.5°	149.3	148.5	145.5	145.5	141.0	138.0	134.2	130.5	130.5	129.6	128.9
5°	197.5	193.1	192.2	183.9	177.2	167.4	158.3	146.3	144.8	143.2	142.5
7.5°	251.1	250.4	243.5	233.8	220.2	202.1	183.9	164.4	161.3	159.9	156.8
10°	320.4	316.7	307.7	291.1	270.7	246.5	217.1	186.2	182.5	179.5	177.9
12.5°	386.8	380.0	374.7	353.6	328.0	292.5	257.1	212.6	209.6	205.8	199.8
15°	448.6	442.6	433.6	415.4	386.8	342.3	300.8	246.5	239.1	233.8	229.2
17.5°	496.9	493.2	482.6	462.2	431.3	392.1	342.3	281.2	275.2	268.4	260.1
20°	542.9	537.6	521.0	493.2	459.9	429.7	391.3	326.5	318.1	309.8	300.8
22.5°	586.6	581.3	554.2	508.2	472.7	459.9	446.3	377.7	365.0	358.1	349.1
25°	647.7	636.4	594.2	521.0	473.5	483.3	506.6	444.1	432.0	422.3	407.9
27.5°	729.8	714.8	648.4	539.9	476.5	508.9	576.1	524.8	511.9	500.6	484.8
30°	822.6	812.8	733.7	585.1	498.3	546.6	653.7	627.4	612.2	598.7	579.8
32.5°	916.1	902.5	824.1	671.1	557.2	619.8	751.0	746.4	726.8	714.0	693.7
35°	998.2	991.5	933.5	812.0	691.4	748.0	880.6	885.9	868.6	855.0	832.4
37.5°	1054.1	1054.1	1042.8	963.6	904.8	947.0	1071.4	1072.2	1054.8	1023.9	1012.6
40°	1082.7	1091.0	1131.7	1146.8	1143.8	1198.1	1321.8	1308.2	1293.9	1278.0	1240.3
42.5°	1141.6	1149.1	1235.8	1339.9	1407.7	1479.4	1564.6	1560.0	1542.7	1514.0	1479.4
45°	1241.0	1250.9	1354.2	1519.3	1658.8	1760.6	1814.8	1793.8	1776.4	1749.2	1731.2
47.5°	1367.8	1386.6	1503.4	1707.8	1876.0	2044.0	2100.6	2044.9	2029.7	2008.6	1979.3
50°	1502.7	1520.8	1645.2	1879.0	2068.9	2269.5	2363.7	2269.5	2247.7	2240.8	2207.7
52.5°	1619.6	1634.6	1754.5	2010.9	2216.8	2452.0	2589.2	2464.8	2449.0	2426.3	2402.2
55°	1688.9	1701.0	1813.4	2074.2	2317.0	2616.4	2807.2	2697.8	2674.4	2665.4	2630.7
57.5°	1712.3	1724.4	1825.4	2082.5	2371.3	2766.4	3071.8	3075.5	3047.7	3015.2	3004.7
60°	1712.3	1725.9	1811.1	2062.2	2424.0	2926.2	3424.7	3739.1	3678.8	3672.7	3634.2
62.5°	1641.5	1654.3	1740.2	1999.6	2494.9	3141.9	3916.3	4471.2	4453.9	4414.6	4351.3
65°	1487.7	1495.1	1579.6	1839.8	2467.8	3340.2	4342.3	4958.2	4930.4	4853.5	4772.0
66°	1418.2	1424.2	1503.4	1748.5	2378.9	3367.4	4417.6	5019.4	4973.4	4908.5	4816.5
67.5°	1318.0	1328.5	1384.4	1578.9	2165.5	3273.1	4370.2	4976.4	4936.4	4858.0	4766.0
70°	879.9	872.3	1069.1	1211.7	1649.7	2666.8	3920.7	4468.2	4468.9	4432.0	4395.0
72.5°	417.7	422.3	479.6	745.7	1079.7	1781.7	3120.8	3566.4	3617.6	3551.3	3505.3
75°	300.1	306.8	341.6	456.2	643.9	1069.1	2023.0	2494.2	2495.8	2378.1	2273.3
77.5°	87.5	91.2	128.2	281.2	482.6	721.6	1161.9	1386.6	1354.2	1269.7	1190.6
80°	36.2	36.2	37.7	89.7	193.8	490.1	812.8	1067.7	1063.8	1031.5	984.8
82.5°	13.6	14.3	18.1	37.0	46.0	120.6	542.1	926.6	924.4	878.4	845.2
85°	1.6	1.6	4.6	15.9	17.3	22.6	108.6	408.7	406.4	408.7	358.1
87.5°	0.0	0.0	0.7	1.6	2.3	3.0	4.6	15.9	17.3	16.6	15.1
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
2.5°	128.9	127.5	127.5	126.6	126.6	126.6	125.9	125.2	125.2	124.5	123.6
5°	141.0	139.5	138.8	137.2	136.5	135.8	134.2	133.5	131.9	131.2	130.5
7.5°	155.3	152.3	151.5	149.3	147.0	145.5	144.0	141.8	140.2	137.2	136.5
10°	173.4	169.6	166.6	163.6	161.3	157.6	155.3	152.3	149.3	147.0	144.8
12.5°	196.8	191.5	186.9	183.9	178.7	174.2	169.6	167.4	161.3	158.3	154.6
15°	222.4	216.4	211.1	205.1	201.3	193.8	187.8	180.9	177.9	172.6	166.6
17.5°	255.6	245.8	237.5	231.5	223.9	216.4	209.6	202.8	193.8	187.8	180.2
20°	291.1	282.8	271.4	260.9	251.8	242.8	233.0	223.9	215.6	205.8	196.8
22.5°	336.3	324.2	310.7	300.1	288.0	278.2	264.7	252.5	239.1	226.2	215.6
25°	393.6	377.7	365.0	349.8	335.5	320.4	303.8	288.8	271.4	259.4	241.2
27.5°	464.5	449.4	432.0	412.4	398.1	375.4	353.6	334.8	314.4	295.5	275.2
30°	554.9	533.1	515.0	496.2	467.5	445.6	420.0	394.3	366.4	347.6	316.7
32.5°	663.5	640.1	613.0	585.8	559.5	528.6	496.9	465.2	434.3	399.6	368.0
35°	796.2	768.3	737.4	708.0	667.3	634.1	594.2	550.5	515.8	475.8	435.9
37.5°	971.9	925.9	898.8	867.9	812.8	767.6	723.1	679.4	618.2	576.1	519.5
40°	1192.0	1164.9	1120.4	1070.7	1020.9	961.3	901.0	843.0	772.1	713.3	647.7
42.5°	1450.7	1410.7	1365.5	1293.9	1243.3	1173.3	1104.6	1027.7	940.9	865.6	788.7
45°	1693.5	1646.0	1611.3	1539.7	1486.8	1403.9	1321.0	1239.6	1139.3	1042.0	953.1
47.5°	1955.9	1916.7	1859.4	1801.2	1747.8	1654.3	1564.6	1465.8	1360.2	1244.9	1129.5
50°	2186.6	2155.6	2116.5	2046.3	1986.7	1908.4	1802.8	1695.0	1561.6	1446.9	1315.8
52.5°	2382.6	2358.4	2303.4	2253.7	2200.1	2126.2	2032.0	1928.7	1784.7	1658.8	1509.5
55°	2614.1	2596.8	2548.5	2517.6	2470.1	2399.2	2311.0	2215.2	2062.9	1925.7	1756.8
57.5°	2993.4	2979.8	2937.5	2924.8	2878.0	2816.2	2707.6	2605.1	2427.2	2256.7	2063.7
60°	3621.5	3594.3	3532.4	3500.8	3402.0	3319.1	3178.0	3037.1	2822.2	2605.1	2372.8
62.5°	4294.0	4217.8	4100.2	3999.2	3859.0	3714.9	3526.4	3310.8	3059.0	2801.0	2534.2
65°	4656.7	4526.9	4378.4	4217.8	4036.2	3824.2	3586.7	3328.1	3057.4	2785.3	2503.2
66°	4698.1	4551.8	4394.3	4215.5	4013.5	3788.1	3546.7	3275.3	2994.1	2728.7	2446.7
67.5°	4646.1	4493.1	4326.4	4128.1	3909.4	3675.8	3422.4	3140.4	2869.7	2600.5	2326.1
70°	4282.0	4129.6	3981.0	3772.2	3539.3	3304.0	3064.2	2749.0	2492.7	2245.4	2001.1
72.5°	3419.4	3316.1	3169.0	2990.4	2763.4	2487.5	2287.6	2005.6	1783.2	1543.4	1354.2
75°	2136.8	1991.3	1809.5	1581.9	1408.5	1184.6	1067.7	853.5	726.8	616.1	508.9
77.5°	1092.5	983.2	855.8	727.6	604.7	482.6	373.3	263.9	177.9	123.6	92.0
80°	902.5	806.0	700.4	583.6	475.0	368.7	265.4	180.9	115.3	75.4	58.9
82.5°	745.7	664.2	570.1	461.5	367.2	289.5	201.3	131.2	81.5	52.7	41.5
85°	317.4	288.0	222.4	176.5	132.7	98.0	68.6	46.0	32.4	26.4	24.1
87.5°	13.6	15.1	14.3	11.3	8.3	8.3	7.6	6.0	6.0	6.0	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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
2.5°	123.6	122.9	122.2	122.2	121.3	120.6	116.2	112.3	107.8	104.8	101.8
5°	128.9	128.2	126.6	125.9	124.5	123.6	113.9	105.6	98.8	93.5	89.7
7.5°	134.2	133.5	131.2	128.9	128.2	126.6	110.9	100.3	91.2	85.2	81.5
10°	141.0	138.8	136.5	133.5	131.2	128.9	107.8	94.3	84.5	79.2	75.4
12.5°	150.8	147.0	143.2	139.5	136.5	132.7	106.3	89.0	79.2	73.2	69.3
15°	162.1	156.8	152.3	147.8	142.5	138.8	103.3	84.5	74.6	68.6	64.0
17.5°	172.6	166.6	159.9	153.1	147.8	142.5	100.3	79.9	70.2	64.0	59.6
20°	187.8	178.7	170.4	162.1	154.6	147.8	95.8	75.4	66.3	59.6	55.0
22.5°	204.4	193.8	183.2	171.9	162.1	153.1	92.0	71.6	62.6	55.8	50.5
25°	225.5	212.6	198.3	183.9	172.6	160.6	88.2	67.9	58.9	52.0	46.7
27.5°	254.8	236.8	220.9	202.8	185.5	171.9	85.2	64.9	55.0	48.3	43.0
30°	294.8	268.4	243.5	223.9	203.6	183.9	82.2	61.0	52.0	44.5	38.4
32.5°	339.3	308.4	279.7	250.4	224.7	202.1	79.2	58.0	48.3	40.7	35.4
35°	394.3	355.1	316.7	282.8	251.8	221.7	76.2	55.0	45.3	37.0	31.7
37.5°	473.5	424.5	374.0	330.3	290.3	250.4	73.9	52.0	41.5	33.2	27.9
40°	582.1	518.8	456.9	397.3	345.3	295.5	70.9	49.0	38.4	30.2	24.9
42.5°	699.7	622.8	541.3	474.3	402.6	340.0	67.9	46.0	35.4	27.2	21.9
45°	846.0	750.3	651.4	560.2	472.7	392.1	64.9	43.0	31.7	24.1	18.9
47.5°	1005.8	883.7	772.1	657.5	553.5	456.9	61.0	40.7	28.6	21.1	16.6
50°	1170.2	1041.2	900.3	769.8	646.2	521.8	57.3	37.0	25.6	18.9	13.6
52.5°	1347.4	1195.1	1051.1	888.9	745.0	606.9	53.6	33.9	23.4	16.6	11.3
55°	1572.8	1402.4	1233.6	1051.8	878.4	705.7	49.7	30.2	20.3	14.3	9.0
57.5°	1856.4	1654.3	1446.9	1241.9	1031.5	835.4	46.7	26.4	17.3	12.0	7.6
60°	2124.0	1888.0	1636.9	1400.9	1163.4	934.9	42.2	23.4	15.1	9.8	7.6
62.5°	2262.7	1993.6	1722.9	1462.8	1209.4	970.4	37.7	19.6	12.8	8.3	6.7
65°	2228.8	1954.3	1691.9	1429.5	1181.6	947.8	33.2	17.3	11.3	7.6	6.7
66°	2179.8	1908.4	1644.5	1394.9	1158.1	923.6	30.9	16.6	10.6	7.6	6.0
67.5°	2072.7	1810.4	1558.5	1326.3	1094.1	877.6	27.9	15.1	9.8	6.7	6.0
70°	1770.4	1532.1	1330.8	1124.2	934.9	739.7	22.6	12.8	8.3	6.0	6.0
72.5°	1171.7	1009.6	875.3	753.3	629.5	488.6	18.9	10.6	6.7	6.0	5.3
75°	441.9	399.6	343.1	308.4	269.2	236.0	15.1	6.7	5.3	5.3	5.3
77.5°	78.4	72.3	64.0	58.9	54.3	49.7	12.0	4.6	4.6	5.3	5.3
80°	52.7	49.0	44.5	40.7	37.7	33.9	8.3	3.7	4.6	4.6	5.3
82.5°	37.7	35.4	33.2	30.2	27.9	24.9	5.3	3.7	4.6	4.6	4.6
85°	22.6	21.1	19.6	18.1	15.9	15.1	3.7	3.7	3.7	4.6	4.6
87.5°	6.0	5.3	6.0	6.0	4.6	5.3	3.0	3.0	3.0	3.7	3.7
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°	118.3	118.3	118.3	118.3	118.3
2.5°	100.3	100.3	98.8	101.0	101.0
5°	86.7	86.7	85.9	86.7	86.7
7.5°	79.2	78.4	78.4	78.4	79.2
10°	72.3	71.6	71.6	71.6	71.6
12.5°	66.3	65.6	64.9	65.6	65.6
15°	61.0	59.6	59.6	59.6	59.6
17.5°	56.6	55.0	54.3	54.3	54.3
20°	52.0	49.7	49.7	49.7	49.7
22.5°	47.5	45.3	45.3	45.3	45.3
25°	43.0	40.7	40.7	40.7	40.7
27.5°	39.2	37.0	37.0	37.0	37.0
30°	34.7	33.2	33.2	33.9	33.2
32.5°	31.7	29.4	29.4	30.2	30.2
35°	27.9	26.4	26.4	26.4	26.4
37.5°	24.1	22.6	22.6	22.6	22.6
40°	21.1	19.6	18.9	19.6	19.6
42.5°	18.1	16.6	15.9	15.9	15.9
45°	15.9	13.6	12.8	13.6	13.6
47.5°	12.8	11.3	11.3	12.0	12.0
50°	9.8	9.8	10.6	12.0	12.0
52.5°	9.0	9.0	10.6	12.0	12.0
55°	8.3	9.0	10.6	11.3	12.0
57.5°	7.6	9.0	10.6	11.3	11.3
60°	7.6	8.3	9.8	11.3	11.3
62.5°	6.7	7.6	9.0	10.6	10.6
65°	6.7	7.6	9.0	10.6	10.6
66°	6.7	7.6	9.0	10.6	10.6
67.5°	6.7	7.6	9.0	10.6	10.6
70°	6.7	7.6	9.0	9.8	9.8
72.5°	6.0	6.7	8.3	9.8	9.8
75°	6.0	6.7	8.3	9.8	9.8
77.5°	6.0	6.7	8.3	9.8	9.8
80°	6.0	6.7	8.3	9.0	9.8
82.5°	5.3	6.7	7.6	9.0	9.0
85°	5.3	6.0	7.6	8.3	9.0
87.5°	4.6	5.3	6.0	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)