

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: P150443

Luminaire Tested: **VXS-F02-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150443
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-F02-LED-E1-SL3-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2416 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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

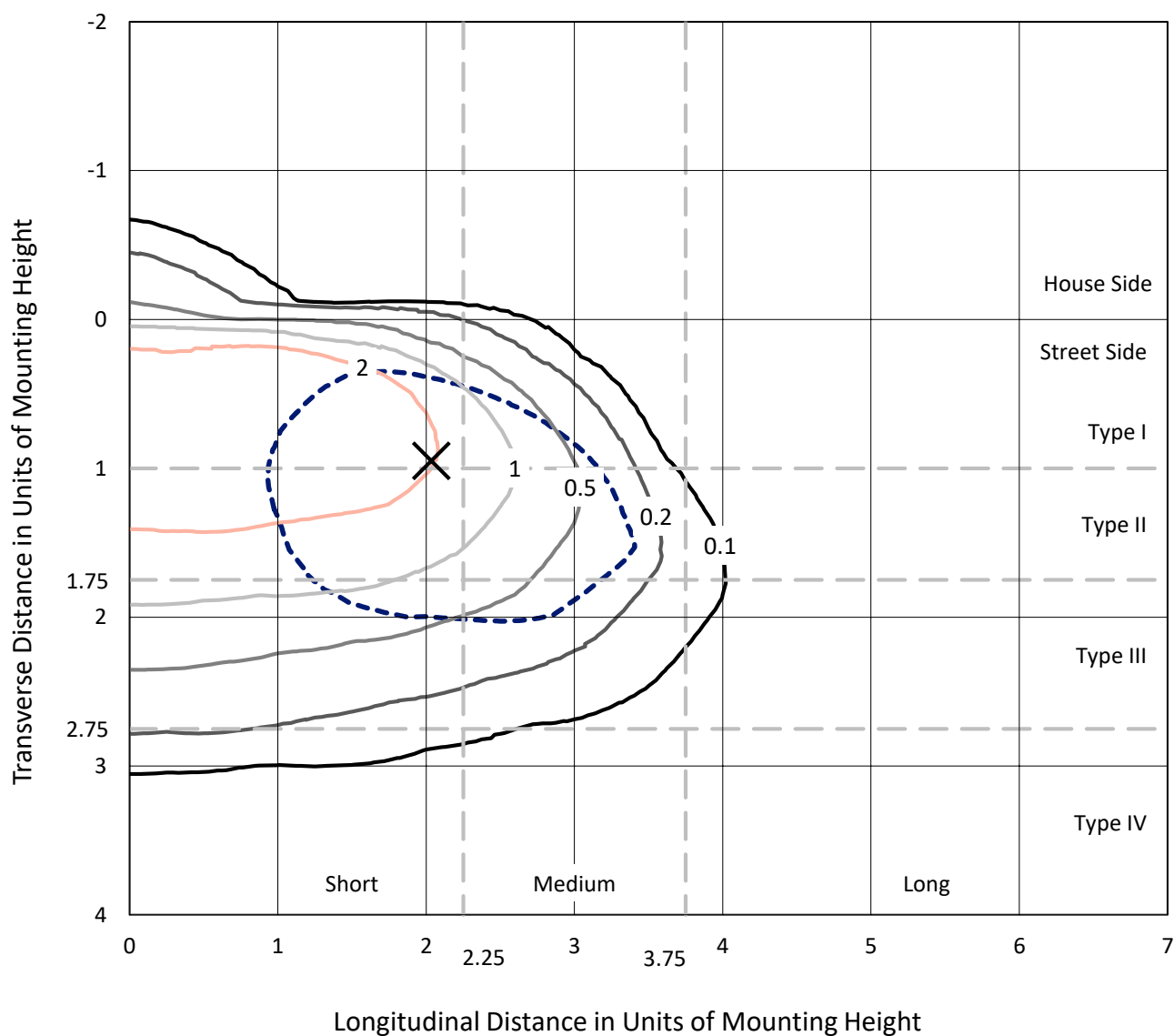


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

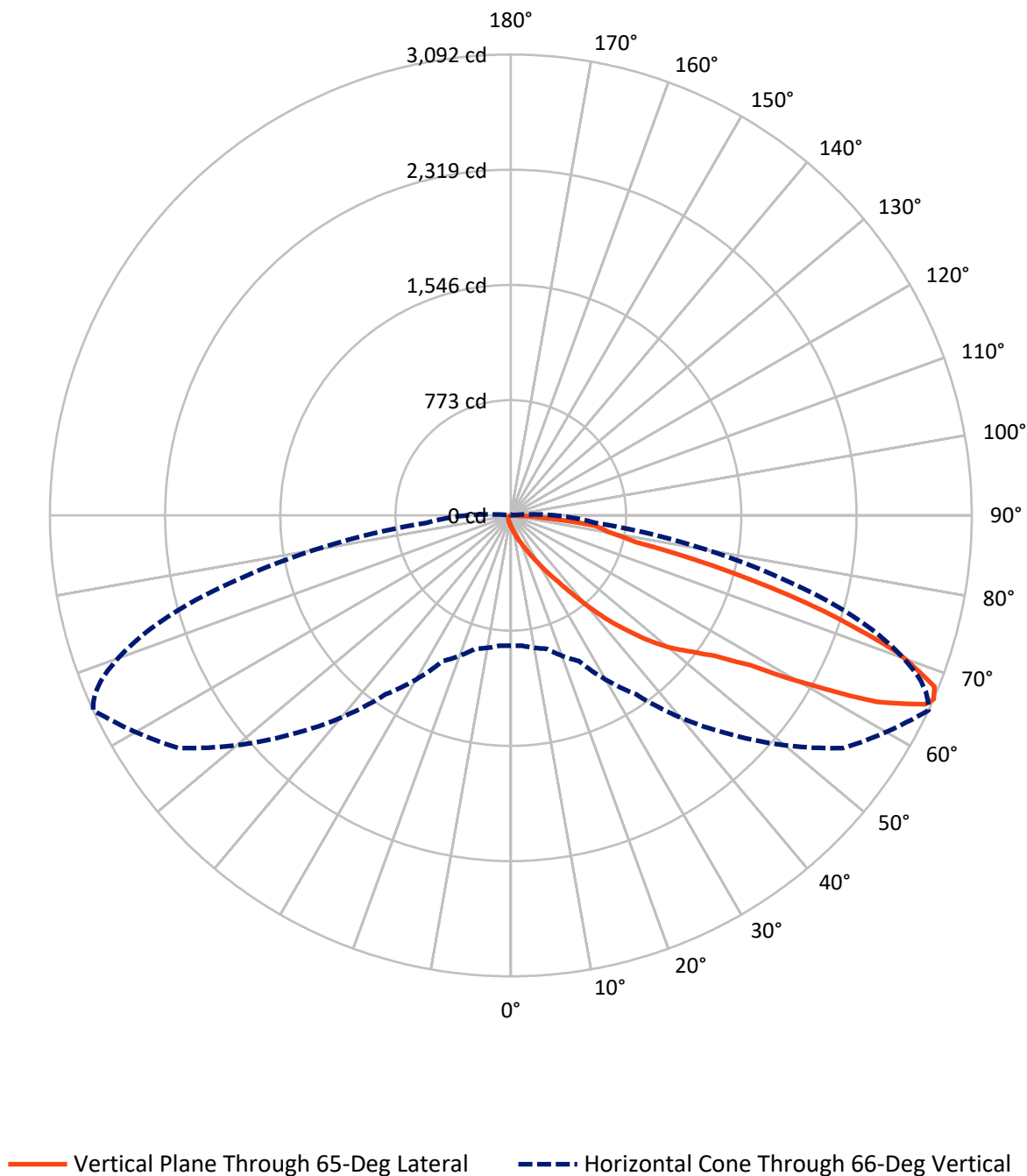


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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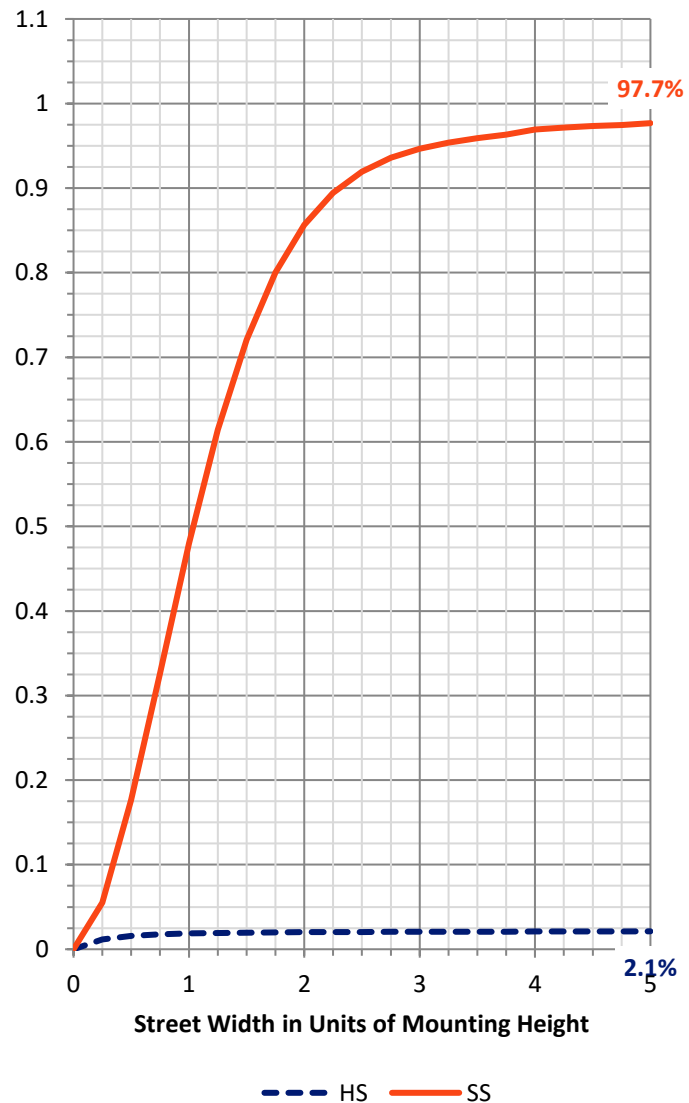
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.3	0.0	52.3
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	2363.7	0.0	2363.7
	% Fixture	97.8	0.0	97.8
Total	Lumens	2416.0	0.0	2416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.3
10°-20°	34.6	1.4
20°-30°	74.7	3.1
30°-40°	159.4	6.6
40°-50°	352.6	14.6
50°-60°	597.5	24.7
60°-70°	797.3	33.0
70°-80°	351.2	14.5
80°-90°	40.4	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°	2416.0	100.0
0°-180°	2416.0	100.0

Coefficient of Utilization



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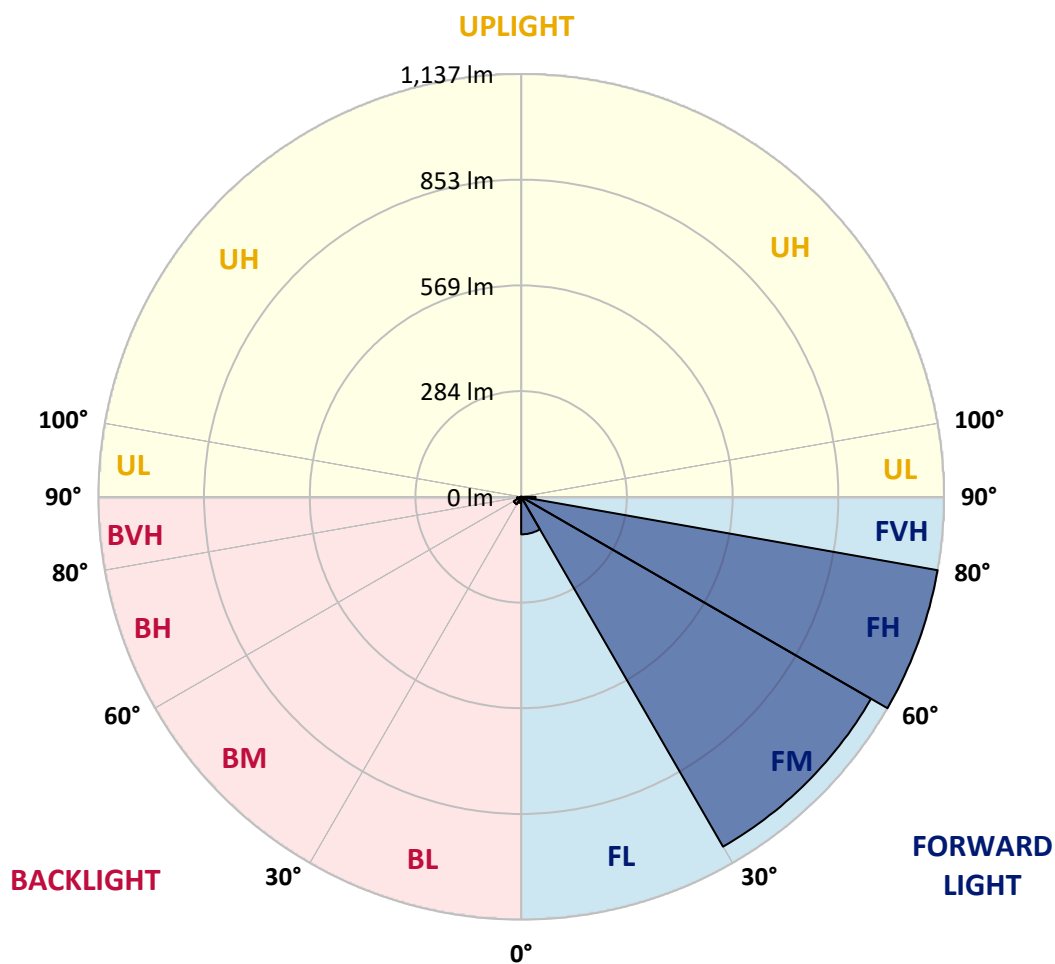
CATALOG NUMBER: VXS-F02-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.9	4.2			
FM	(30°-60°)	1086.6	45.0			
FH	(60°-80°)	1137.3	47.1			G1/1800
FVH	(80°-90°)	38.8	1.6			G1/100
BL	(0°-30°)	16.5	0.7	B0/110		
BM	(30°-60°)	23.0	1.0	B0/220		
BH	(60°-80°)	11.2	0.5	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2.5°	92.0	91.5	89.6	89.6	86.8	85.0	82.7	80.3	80.3	79.9	79.4
5°	121.7	118.9	118.4	113.4	109.1	103.1	97.5	90.2	89.2	88.3	87.8
7.5°	154.7	154.2	150.1	144.0	135.6	124.5	113.4	101.2	99.4	98.4	96.6
10°	197.4	195.1	189.5	179.3	166.7	151.9	133.8	114.7	112.4	110.6	109.6
12.5°	238.2	234.1	230.9	217.8	202.1	180.2	158.3	131.0	129.1	126.8	123.1
15°	276.4	272.6	267.0	256.0	238.2	210.9	185.3	151.9	147.3	144.0	141.2
17.5°	306.1	303.7	297.3	284.8	265.7	241.6	210.9	173.3	169.5	165.4	160.2
20°	334.4	331.2	320.9	303.7	283.3	264.8	241.0	201.1	196.1	190.9	185.3
22.5°	361.3	358.1	341.5	313.1	291.2	283.3	275.0	232.7	224.8	220.6	215.0
25°	399.0	392.0	366.0	320.9	291.7	297.7	312.1	273.6	266.1	260.1	251.3
27.5°	449.6	440.3	399.5	332.5	293.6	313.6	354.9	323.3	315.4	308.4	298.7
30°	506.7	500.7	451.9	360.4	307.0	336.8	402.7	386.4	377.2	368.8	357.2
32.5°	564.4	556.0	507.7	413.4	343.2	381.8	462.6	459.9	447.8	439.9	427.4
35°	615.0	610.8	575.0	500.2	425.9	460.7	542.5	545.8	535.1	526.7	512.7
37.5°	649.3	649.3	642.4	593.6	557.4	583.4	660.0	660.5	649.8	630.8	623.8
40°	667.0	672.1	697.2	706.5	704.7	738.0	814.3	805.9	797.1	787.4	764.0
42.5°	703.2	707.9	761.3	825.4	867.3	911.3	963.8	961.0	950.4	932.7	911.3
45°	764.6	770.6	834.2	936.0	1021.9	1084.6	1118.0	1105.0	1094.3	1077.6	1066.4
47.5°	842.6	854.2	926.2	1052.0	1155.6	1259.3	1294.1	1259.7	1250.4	1237.4	1219.3
50°	925.7	936.9	1013.5	1157.5	1274.6	1398.1	1456.2	1398.1	1384.7	1380.4	1360.0
52.5°	997.7	1007.0	1080.8	1238.8	1365.6	1510.6	1595.0	1518.4	1508.7	1494.7	1479.9
55°	1040.4	1047.9	1117.1	1277.8	1427.4	1611.8	1729.3	1662.0	1647.6	1642.0	1620.6
57.5°	1054.8	1062.3	1124.6	1282.9	1460.8	1704.2	1892.3	1894.6	1877.5	1857.5	1851.0
60°	1054.8	1063.2	1115.8	1270.4	1493.4	1802.7	2109.7	2303.4	2266.2	2262.5	2238.9
62.5°	1011.2	1019.1	1072.0	1231.8	1537.0	1935.5	2412.5	2754.4	2743.7	2719.6	2680.6
65°	916.5	921.0	973.1	1133.4	1520.3	2057.7	2675.0	3054.5	3037.3	2989.9	2939.8
66°	873.7	877.4	926.2	1077.2	1465.5	2074.4	2721.5	3092.1	3063.7	3023.8	2967.2
67.5°	811.9	818.4	852.8	972.6	1334.0	2016.4	2692.2	3065.6	3041.0	2992.7	2936.1
70°	542.1	537.4	658.7	746.4	1016.3	1642.9	2415.3	2752.5	2753.1	2730.3	2707.6
72.5°	257.3	260.1	295.4	459.4	665.2	1097.6	1922.5	2197.0	2228.6	2187.8	2159.4
75°	184.9	189.0	210.4	281.0	396.7	658.7	1246.2	1536.6	1537.5	1465.0	1400.4
77.5°	53.9	56.2	79.0	173.3	297.3	444.6	715.8	854.2	834.2	782.2	733.5
80°	22.3	22.3	23.2	55.2	119.4	302.0	500.7	657.7	655.4	635.4	606.6
82.5°	8.4	8.8	11.2	22.8	28.3	74.3	334.0	570.9	569.4	541.1	520.7
85°	0.9	0.9	2.8	9.7	10.7	13.9	66.8	251.7	250.4	251.7	220.6
87.5°	0.0	0.0	0.4	0.9	1.3	1.9	2.8	9.7	10.7	10.3	9.3
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2.5°	79.4	78.5	78.5	78.0	78.0	78.0	77.6	77.1	77.1	76.7	76.2
5°	86.8	85.9	85.5	84.6	84.0	83.6	82.7	82.2	81.2	80.8	80.3
7.5°	95.6	93.8	93.4	92.0	90.6	89.6	88.7	87.4	86.4	84.6	84.0
10°	106.8	104.6	102.7	100.8	99.4	97.1	95.6	93.8	92.0	90.6	89.2
12.5°	121.2	118.0	115.2	113.4	110.1	107.3	104.6	103.1	99.4	97.5	95.2
15°	137.0	133.3	130.1	126.3	124.0	119.4	115.6	111.5	109.6	106.3	102.7
17.5°	157.5	151.4	146.3	142.6	137.9	133.3	129.1	125.0	119.4	115.6	111.0
20°	179.3	174.2	167.3	160.7	155.1	149.5	143.5	137.9	132.8	126.8	121.2
22.5°	207.2	199.7	191.4	184.9	177.4	171.4	163.0	155.6	147.3	139.4	132.8
25°	242.5	232.7	224.8	215.5	206.7	197.4	187.2	177.9	167.3	159.8	148.6
27.5°	286.1	276.8	266.1	254.1	245.3	231.3	217.8	206.2	193.7	182.1	169.5
30°	341.9	328.4	317.2	305.6	288.0	274.5	258.8	242.9	225.7	214.1	195.1
32.5°	408.7	394.3	377.6	360.9	344.7	325.6	306.1	286.6	267.6	246.2	226.6
35°	490.5	473.3	454.3	436.2	411.1	390.7	366.0	339.1	317.7	293.1	268.5
37.5°	598.8	570.4	553.7	534.6	500.7	472.8	445.5	418.5	380.9	354.9	320.0
40°	734.4	717.6	690.3	659.6	628.9	592.2	555.0	519.3	475.6	439.4	399.0
42.5°	893.7	869.0	841.2	797.1	765.9	722.8	680.5	633.1	579.7	533.3	485.9
45°	1043.2	1014.0	992.6	948.5	916.0	864.9	813.8	763.6	701.9	642.0	587.2
47.5°	1204.9	1180.7	1145.4	1109.6	1076.7	1019.1	963.8	903.0	837.9	766.8	695.9
50°	1347.0	1328.0	1303.8	1260.6	1223.9	1175.6	1110.6	1044.1	962.0	891.4	810.6
52.5°	1467.8	1453.0	1419.1	1388.4	1355.3	1309.8	1251.8	1188.2	1099.5	1021.9	929.9
55°	1610.4	1599.7	1569.9	1551.0	1521.7	1478.0	1423.6	1364.7	1270.9	1186.3	1082.3
57.5°	1844.0	1835.6	1809.6	1801.8	1773.0	1734.9	1668.0	1604.8	1495.2	1390.3	1271.3
60°	2231.0	2214.2	2176.2	2156.6	2095.8	2044.7	1957.8	1871.0	1738.5	1604.8	1461.8
62.5°	2645.3	2598.3	2525.9	2463.6	2377.3	2288.5	2172.4	2039.6	1884.5	1725.6	1561.1
65°	2868.7	2788.8	2697.3	2598.3	2486.4	2355.9	2209.5	2050.3	1883.5	1715.9	1542.1
66°	2894.2	2804.1	2707.0	2597.0	2472.4	2333.6	2185.0	2017.7	1844.5	1681.0	1507.3
67.5°	2862.2	2767.9	2665.3	2543.1	2408.4	2264.4	2108.3	1934.6	1767.9	1602.1	1433.0
70°	2637.8	2544.0	2452.5	2323.8	2180.3	2035.4	1887.7	1693.6	1535.6	1383.2	1232.7
72.5°	2106.4	2042.8	1952.2	1842.2	1702.4	1532.3	1409.2	1235.5	1098.5	950.8	834.2
75°	1316.4	1226.7	1114.8	974.5	867.7	729.7	657.7	525.8	447.8	379.5	313.6
77.5°	673.1	605.7	527.2	448.2	372.5	297.3	229.9	162.6	109.6	76.2	56.7
80°	556.0	496.6	431.5	359.5	292.6	227.2	163.5	111.5	71.1	46.4	36.3
82.5°	459.4	409.2	351.2	284.2	226.2	178.3	124.0	80.8	50.2	32.5	25.6
85°	195.5	177.4	137.0	108.7	81.8	60.4	42.3	28.3	20.0	16.3	14.8
87.5°	8.4	9.3	8.8	6.9	5.1	5.1	4.7	3.7	3.7	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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2.5°	76.2	75.8	75.2	75.2	74.8	74.3	71.5	69.2	66.4	64.6	62.7
5°	79.4	79.0	78.0	77.6	76.7	76.2	70.2	65.1	60.8	57.6	55.2
7.5°	82.7	82.2	80.8	79.4	79.0	78.0	68.3	61.8	56.2	52.5	50.2
10°	86.8	85.5	84.0	82.2	80.8	79.4	66.4	58.0	52.0	48.8	46.4
12.5°	92.8	90.6	88.3	85.9	84.0	81.8	65.5	54.8	48.8	45.1	42.7
15°	99.9	96.6	93.8	91.1	87.8	85.5	63.6	52.0	46.0	42.3	39.5
17.5°	106.3	102.7	98.4	94.3	91.1	87.8	61.8	49.2	43.2	39.5	36.7
20°	115.6	110.1	105.0	99.9	95.2	91.1	59.0	46.4	40.8	36.7	33.9
22.5°	125.9	119.4	112.8	105.9	99.9	94.3	56.7	44.1	38.5	34.4	31.1
25°	138.9	131.0	122.2	113.4	106.3	99.0	54.3	41.8	36.3	32.0	28.8
27.5°	157.0	145.8	136.1	125.0	114.3	105.9	52.5	39.9	33.9	29.7	26.4
30°	181.7	165.4	150.1	137.9	125.4	113.4	50.7	37.6	32.0	27.4	23.7
32.5°	209.0	189.9	172.3	154.2	138.4	124.5	48.8	35.8	29.7	25.1	21.9
35°	242.9	218.8	195.1	174.2	155.1	136.6	46.9	33.9	27.9	22.8	19.5
37.5°	291.7	261.6	230.4	203.4	178.9	154.2	45.5	32.0	25.6	20.4	17.2
40°	358.5	319.6	281.5	244.8	212.7	182.1	43.6	30.2	23.7	18.5	15.3
42.5°	431.1	383.6	333.5	292.1	248.1	209.5	41.8	28.3	21.9	16.7	13.5
45°	521.1	462.2	401.3	345.1	291.2	241.6	39.9	26.4	19.5	14.8	11.6
47.5°	619.6	544.4	475.6	405.1	340.9	281.5	37.6	25.1	17.6	13.1	10.3
50°	720.9	641.5	554.6	474.2	398.0	321.5	35.3	22.8	15.8	11.6	8.4
52.5°	830.1	736.2	647.5	547.7	459.0	373.9	33.0	20.9	14.4	10.3	6.9
55°	968.9	863.9	759.9	648.0	541.1	434.7	30.7	18.5	12.5	8.8	5.6
57.5°	1143.6	1019.1	891.4	765.0	635.4	514.6	28.8	16.3	10.7	7.5	4.7
60°	1308.5	1163.1	1008.4	863.0	716.7	576.0	26.0	14.4	9.3	6.0	4.7
62.5°	1393.9	1228.1	1061.3	901.1	745.1	597.8	23.2	12.1	7.9	5.1	4.1
65°	1373.1	1203.9	1042.3	880.7	727.9	583.8	20.4	10.7	6.9	4.7	4.1
66°	1342.8	1175.6	1013.1	859.3	713.5	569.0	19.1	10.3	6.5	4.7	3.7
67.5°	1276.9	1115.2	960.1	817.0	674.0	540.6	17.2	9.3	6.0	4.1	3.7
70°	1090.7	943.8	819.8	692.5	576.0	455.6	13.9	7.9	5.1	3.7	3.7
72.5°	721.9	622.0	539.3	464.0	387.9	301.0	11.6	6.5	4.1	3.7	3.2
75°	272.2	246.2	211.3	189.9	165.8	145.4	9.3	4.1	3.2	3.2	3.2
77.5°	48.3	44.6	39.5	36.3	33.5	30.7	7.5	2.8	2.8	3.2	3.2
80°	32.5	30.2	27.4	25.1	23.2	20.9	5.1	2.3	2.8	2.8	3.2
82.5°	23.2	21.9	20.4	18.5	17.2	15.3	3.2	2.3	2.8	2.8	2.8
85°	13.9	13.1	12.1	11.2	9.7	9.3	2.3	2.3	2.3	2.8	2.8
87.5°	3.7	3.2	3.7	3.7	2.8	3.2	1.9	1.9	1.9	2.3	2.3
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°	73.0	73.0	73.0	73.0	73.0
2.5°	61.8	61.8	60.8	62.3	62.3
5°	53.4	53.4	53.0	53.4	53.4
7.5°	48.8	48.3	48.3	48.3	48.8
10°	44.6	44.1	44.1	44.1	44.1
12.5°	40.8	40.4	39.9	40.4	40.4
15°	37.6	36.7	36.7	36.7	36.7
17.5°	34.8	33.9	33.5	33.5	33.5
20°	32.0	30.7	30.7	30.7	30.7
22.5°	29.2	27.9	27.9	27.9	27.9
25°	26.4	25.1	25.1	25.1	25.1
27.5°	24.1	22.8	22.8	22.8	22.8
30°	21.3	20.4	20.4	20.9	20.4
32.5°	19.5	18.1	18.1	18.5	18.5
35°	17.2	16.3	16.3	16.3	16.3
37.5°	14.8	13.9	13.9	13.9	13.9
40°	13.1	12.1	11.6	12.1	12.1
42.5°	11.2	10.3	9.7	9.7	9.7
45°	9.7	8.4	7.9	8.4	8.4
47.5°	7.9	6.9	6.9	7.5	7.5
50°	6.0	6.0	6.5	7.5	7.5
52.5°	5.6	5.6	6.5	7.5	7.5
55°	5.1	5.6	6.5	6.9	7.5
57.5°	4.7	5.6	6.5	6.9	6.9
60°	4.7	5.1	6.0	6.9	6.9
62.5°	4.1	4.7	5.6	6.5	6.5
65°	4.1	4.7	5.6	6.5	6.5
66°	4.1	4.7	5.6	6.5	6.5
67.5°	4.1	4.7	5.6	6.5	6.5
70°	4.1	4.7	5.6	6.0	6.0
72.5°	3.7	4.1	5.1	6.0	6.0
75°	3.7	4.1	5.1	6.0	6.0
77.5°	3.7	4.1	5.1	6.0	6.0
80°	3.7	4.1	5.1	5.6	6.0
82.5°	3.2	4.1	4.7	5.6	5.6
85°	3.2	3.7	4.7	5.1	5.6
87.5°	2.8	3.2	3.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)