

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: P150430

Luminaire Tested: **VXS-E01-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150430
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-E01-LED-E1-SL3-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1733.8 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 24.7
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



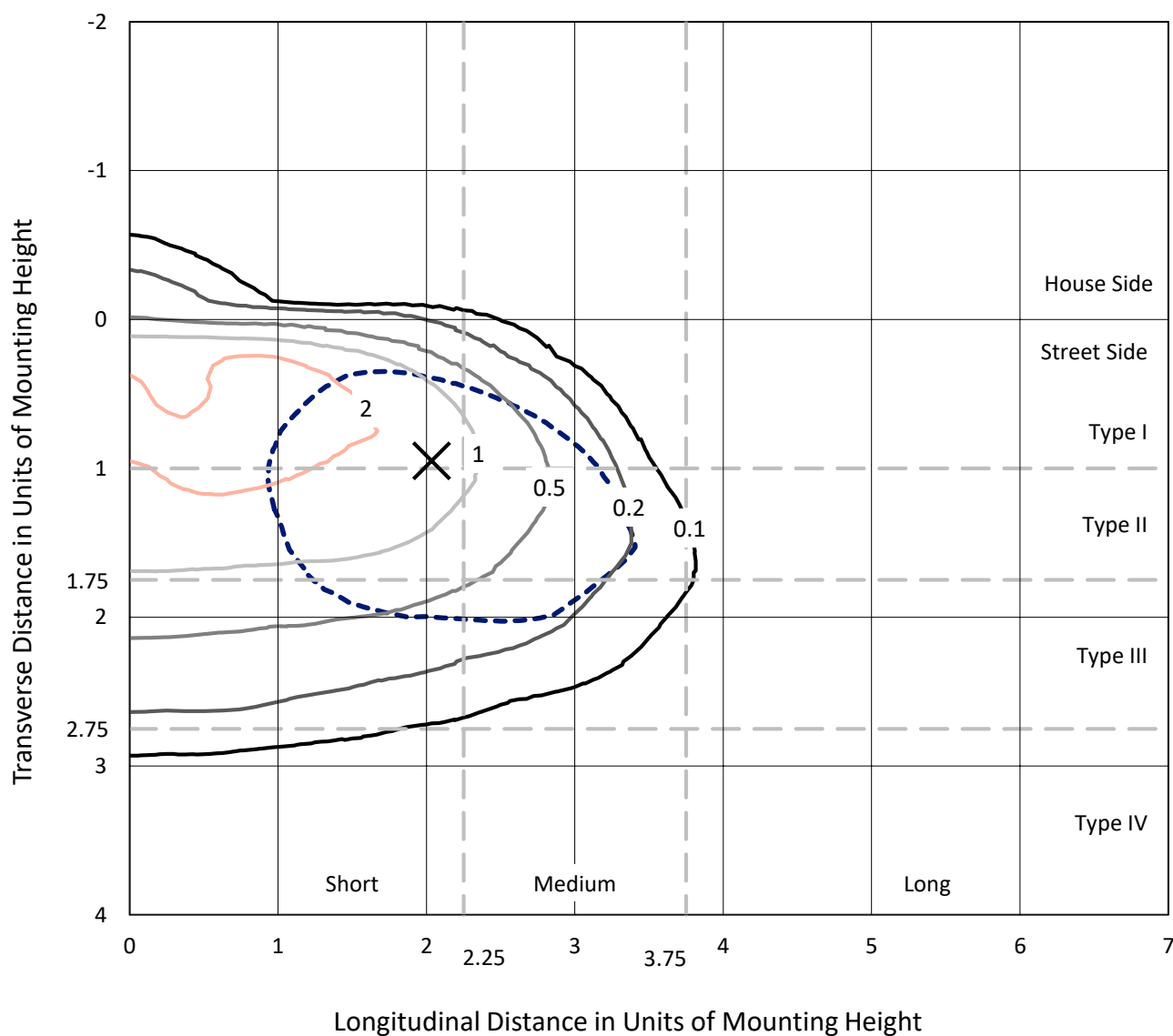
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

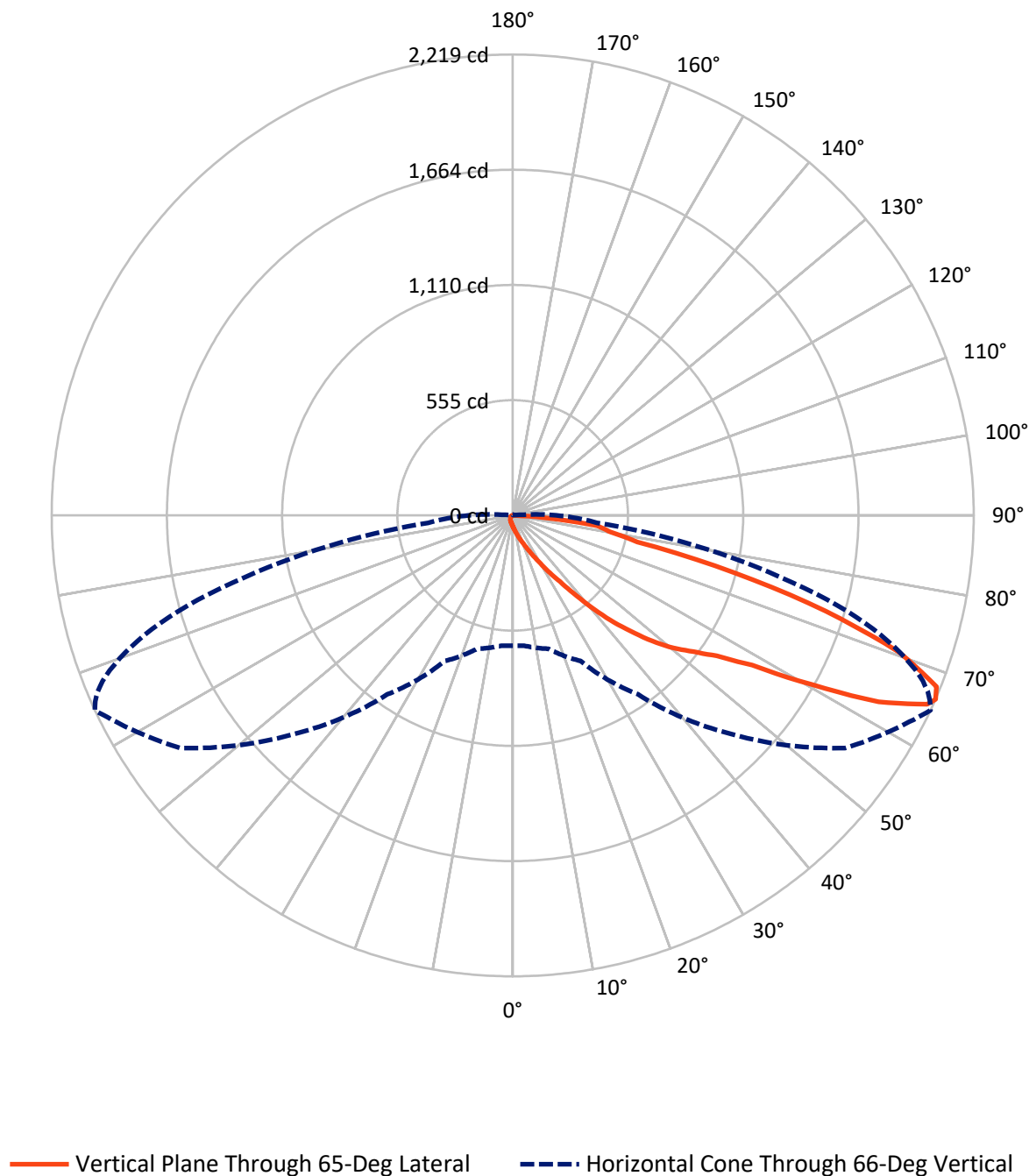


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.6	0.0	37.6
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1696.3	0.0	1696.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	1733.8	0.0	1733.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.3
10°-20°	24.8	1.4
20°-30°	53.6	3.1
30°-40°	114.4	6.6
40°-50°	253.0	14.6
50°-60°	428.8	24.7
60°-70°	572.2	33.0
70°-80°	252.1	14.5
80°-90°	29.0	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°	1733.8	100.0
0°-180°	1733.8	100.0

Coefficient of Utilization



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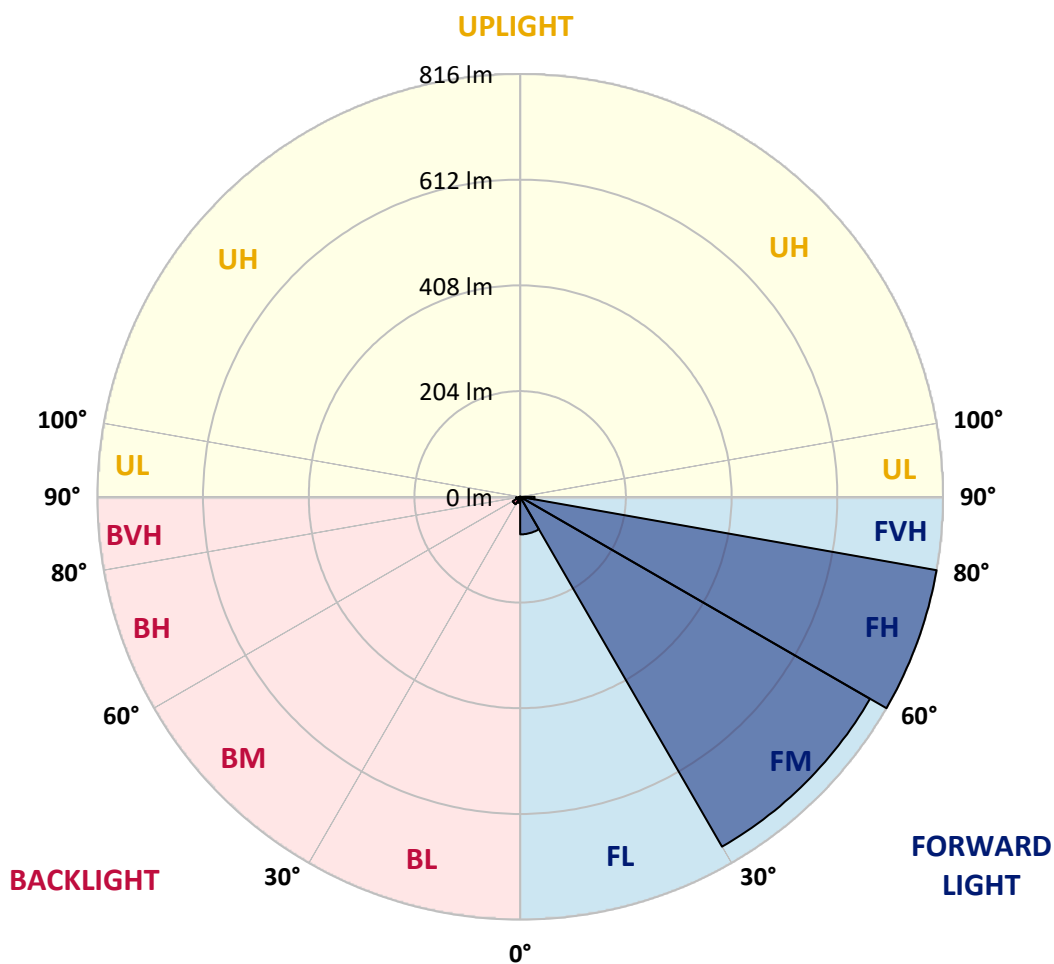
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.4	4.2			
FM	(30°-60°)	779.8	45.0			
FH	(60°-80°)	816.2	47.1			G1/1800
FVH	(80°-90°)	27.9	1.6			G1/100
BL	(0°-30°)	11.9	0.7	B0/110		
BM	(30°-60°)	16.5	1.0	B0/220		
BH	(60°-80°)	8.1	0.5	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
2.5°	66.0	65.7	64.4	64.4	62.4	61.0	59.4	57.6	57.6	57.3	57.0
5°	87.4	85.3	85.0	81.3	78.3	74.0	70.1	64.7	64.0	63.3	63.0
7.5°	111.0	110.7	107.7	103.3	97.3	89.3	81.3	72.6	71.3	70.7	69.3
10°	141.7	140.0	136.0	128.7	119.7	109.0	96.0	82.4	80.6	79.4	78.7
12.5°	171.0	168.0	165.7	156.4	145.0	129.3	113.7	94.0	92.6	91.0	88.3
15°	198.3	195.6	191.7	183.6	171.0	151.3	133.0	109.0	105.7	103.3	101.3
17.5°	219.7	218.0	213.4	204.4	190.7	173.4	151.3	124.4	121.7	118.7	115.0
20°	240.0	237.6	230.4	218.0	203.3	190.1	173.0	144.4	140.6	137.0	133.0
22.5°	259.4	257.0	245.0	224.7	209.0	203.3	197.3	167.0	161.3	158.3	154.3
25°	286.3	281.3	262.7	230.4	209.3	213.7	224.0	196.4	191.0	186.6	180.3
27.5°	322.7	316.0	286.6	238.7	210.7	225.0	254.7	232.0	226.3	221.3	214.3
30°	363.6	359.4	324.4	258.7	220.3	241.7	289.0	277.3	270.7	264.7	256.4
32.5°	405.0	399.0	364.4	296.7	246.3	274.0	332.0	329.9	321.3	315.6	306.6
35°	441.3	438.3	412.6	359.0	305.7	330.7	389.3	391.7	384.0	378.0	368.0
37.5°	466.0	466.0	461.0	426.0	400.0	418.7	473.7	474.0	466.3	452.6	447.7
40°	478.7	482.4	500.3	507.0	505.7	529.6	584.4	578.3	572.0	565.0	548.3
42.5°	504.7	508.0	546.3	592.3	622.4	654.0	691.7	689.6	682.0	669.3	654.0
45°	548.7	553.0	598.7	671.7	733.4	778.3	802.4	793.0	785.3	773.4	765.3
47.5°	604.7	613.0	664.7	755.0	829.3	903.6	928.7	904.0	897.3	888.0	875.0
50°	664.4	672.3	727.4	830.7	914.7	1003.3	1045.0	1003.3	993.7	990.7	976.0
52.5°	716.0	722.7	775.6	889.0	980.0	1084.0	1144.7	1089.6	1082.7	1072.6	1062.0
55°	746.6	752.0	801.7	917.0	1024.4	1156.7	1241.0	1192.6	1182.4	1178.3	1163.0
57.5°	757.0	762.4	807.0	920.6	1048.3	1223.0	1358.0	1359.7	1347.4	1333.0	1328.3
60°	757.0	763.0	800.6	911.7	1071.7	1293.7	1514.0	1653.0	1626.3	1623.6	1606.6
62.5°	725.7	731.3	769.3	884.0	1103.0	1389.0	1731.3	1976.7	1969.0	1951.7	1923.6
65°	657.6	661.0	698.3	813.4	1091.0	1476.7	1919.7	2192.0	2179.7	2145.7	2109.6
66°	627.0	629.6	664.7	773.0	1051.7	1488.7	1953.0	2219.0	2198.7	2169.9	2129.3
67.5°	582.7	587.4	612.0	698.0	957.3	1447.0	1932.0	2200.0	2182.4	2147.7	2107.0
70°	389.0	385.7	472.6	535.6	729.3	1179.0	1733.4	1975.3	1975.6	1959.4	1943.0
72.5°	184.7	186.6	212.0	329.6	477.3	787.7	1379.7	1576.7	1599.4	1569.9	1549.6
75°	132.6	135.6	151.0	201.7	284.7	472.6	894.3	1102.7	1103.3	1051.3	1005.0
77.5°	38.7	40.3	56.7	124.4	213.4	319.0	513.7	613.0	598.7	561.3	526.3
80°	16.0	16.0	16.7	39.7	85.7	216.7	359.4	472.0	470.4	456.0	435.3
82.5°	6.0	6.3	8.0	16.4	20.3	53.4	239.7	409.6	408.7	388.3	373.7
85°	0.6	0.6	2.0	7.0	7.7	9.9	48.0	180.6	179.7	180.6	158.3
87.5°	0.0	0.0	0.3	0.6	1.0	1.3	2.0	7.0	7.7	7.4	6.6
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
2.5°	57.0	56.4	56.4	56.0	56.0	56.0	55.6	55.3	55.3	55.0	54.7
5°	62.4	61.7	61.3	60.6	60.3	60.0	59.4	59.0	58.3	58.0	57.6
7.5°	68.7	67.4	67.0	66.0	65.0	64.4	63.6	62.7	62.0	60.6	60.3
10°	76.7	75.0	73.7	72.3	71.3	69.6	68.7	67.4	66.0	65.0	64.0
12.5°	87.0	84.7	82.7	81.3	79.0	77.0	75.0	74.0	71.3	70.1	68.3
15°	98.3	95.6	93.4	90.7	89.0	85.7	83.0	80.0	78.7	76.4	73.7
17.5°	113.0	108.7	105.0	102.4	99.0	95.6	92.6	89.6	85.7	83.0	79.7
20°	128.7	125.0	120.0	115.3	111.3	107.4	103.0	99.0	95.3	91.0	87.0
22.5°	148.7	143.3	137.3	132.6	127.4	123.0	117.0	111.7	105.7	100.0	95.3
25°	174.0	167.0	161.3	154.7	148.3	141.7	134.3	127.7	120.0	114.7	106.6
27.5°	205.3	198.7	191.0	182.4	176.0	166.0	156.4	148.0	139.0	130.7	121.7
30°	245.3	235.6	227.7	219.4	206.6	197.0	185.7	174.3	162.0	153.7	140.0
32.5°	293.4	283.0	271.0	259.0	247.4	233.7	219.7	205.7	192.0	176.7	162.7
35°	352.0	339.7	326.0	313.0	295.0	280.3	262.7	243.3	228.0	210.4	192.6
37.5°	429.6	409.3	397.3	383.6	359.4	339.4	319.7	300.3	273.4	254.7	229.6
40°	527.0	515.0	495.3	473.4	451.3	425.0	398.3	372.6	341.3	315.3	286.3
42.5°	641.3	623.6	603.6	572.0	549.6	518.7	488.3	454.3	416.0	382.7	348.7
45°	748.7	727.7	712.3	680.6	657.3	620.6	584.0	548.0	503.6	460.6	421.3
47.5°	864.7	847.4	822.0	796.4	772.6	731.3	691.7	648.0	601.3	550.4	499.4
50°	966.6	953.0	935.6	904.7	878.3	843.6	797.0	749.3	690.4	639.7	581.7
52.5°	1053.4	1042.7	1018.3	996.4	972.6	940.0	898.3	852.6	789.0	733.4	667.4
55°	1155.6	1148.0	1126.6	1113.0	1092.0	1060.6	1021.7	979.4	912.0	851.3	776.7
57.5°	1323.3	1317.3	1298.7	1293.0	1272.3	1245.0	1197.0	1151.7	1073.0	997.6	912.3
60°	1601.0	1589.0	1561.7	1547.7	1504.0	1467.4	1405.0	1342.7	1247.7	1151.7	1049.0
62.5°	1898.3	1864.7	1812.6	1768.0	1706.0	1642.4	1559.0	1463.6	1352.3	1238.3	1120.3
65°	2058.7	2001.3	1935.6	1864.7	1784.4	1690.7	1585.7	1471.3	1351.7	1231.3	1106.6
66°	2077.0	2012.3	1942.7	1863.6	1774.3	1674.7	1568.0	1448.0	1323.6	1206.3	1081.7
67.5°	2054.0	1986.3	1912.6	1825.0	1728.3	1625.0	1513.0	1388.3	1268.7	1149.6	1028.3
70°	1893.0	1825.7	1760.0	1667.7	1564.7	1460.6	1354.7	1215.3	1102.0	992.6	884.7
72.5°	1511.7	1466.0	1401.0	1322.0	1221.7	1099.7	1011.3	886.6	788.3	682.4	598.7
75°	944.7	880.3	800.0	699.4	622.7	523.6	472.0	377.3	321.3	272.3	225.0
77.5°	483.0	434.7	378.3	321.7	267.4	213.4	165.0	116.7	78.7	54.7	40.6
80°	399.0	356.4	309.6	258.0	209.9	163.0	117.3	80.0	51.0	33.4	26.0
82.5°	329.6	293.7	252.0	204.0	162.4	128.0	89.0	58.0	36.0	23.3	18.3
85°	140.3	127.4	98.3	78.0	58.7	43.3	30.4	20.3	14.3	11.7	10.7
87.5°	6.0	6.6	6.3	5.0	3.6	3.6	3.3	2.7	2.7	2.7	2.7
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°	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
2.5°	54.7	54.3	54.0	54.0	53.7	53.4	51.3	49.6	47.7	46.3	45.0
5°	57.0	56.7	56.0	55.6	55.0	54.7	50.4	46.6	43.6	41.3	39.7
7.5°	59.4	59.0	58.0	57.0	56.7	56.0	49.0	44.4	40.3	37.6	36.0
10°	62.4	61.3	60.3	59.0	58.0	57.0	47.7	41.7	37.3	35.0	33.4
12.5°	66.6	65.0	63.3	61.7	60.3	58.7	47.0	39.4	35.0	32.3	30.7
15°	71.7	69.3	67.4	65.3	63.0	61.3	45.7	37.3	33.0	30.4	28.3
17.5°	76.4	73.7	70.7	67.7	65.3	63.0	44.4	35.3	31.0	28.3	26.3
20°	83.0	79.0	75.3	71.7	68.3	65.3	42.4	33.4	29.3	26.3	24.4
22.5°	90.4	85.7	81.0	76.0	71.7	67.7	40.6	31.7	27.7	24.7	22.4
25°	99.7	94.0	87.7	81.3	76.4	71.0	39.0	30.1	26.0	23.0	20.6
27.5°	112.6	104.7	97.6	89.6	82.0	76.0	37.6	28.7	24.4	21.3	19.0
30°	130.4	118.7	107.7	99.0	89.9	81.3	36.4	27.0	23.0	19.7	17.0
32.5°	150.1	136.4	123.6	110.7	99.4	89.3	35.0	25.7	21.3	18.0	15.6
35°	174.3	157.0	140.0	125.0	111.3	98.0	33.7	24.4	20.0	16.4	14.0
37.5°	209.3	187.7	165.3	146.0	128.3	110.7	32.6	23.0	18.3	14.7	12.3
40°	257.3	229.3	202.0	175.6	152.6	130.7	31.3	21.7	17.0	13.4	11.0
42.5°	309.3	275.3	239.4	209.6	178.0	150.4	30.1	20.3	15.6	12.0	9.6
45°	374.0	331.7	288.0	247.7	209.0	173.4	28.7	19.0	14.0	10.7	8.3
47.5°	444.7	390.7	341.3	290.7	244.7	202.0	27.0	18.0	12.6	9.3	7.4
50°	517.3	460.3	398.0	340.3	285.7	230.7	25.3	16.4	11.3	8.3	6.0
52.5°	595.6	528.3	464.7	393.0	329.3	268.3	23.6	15.0	10.4	7.4	5.0
55°	695.3	620.0	545.3	465.0	388.3	312.0	22.0	13.4	9.0	6.3	4.0
57.5°	820.6	731.3	639.7	549.0	456.0	369.3	20.6	11.7	7.7	5.3	3.3
60°	939.0	834.7	723.6	619.4	514.3	413.4	18.7	10.4	6.6	4.4	3.3
62.5°	1000.3	881.3	761.7	646.6	534.7	429.0	16.7	8.7	5.7	3.6	3.0
65°	985.3	864.0	748.0	632.0	522.4	419.0	14.7	7.7	5.0	3.3	3.0
66°	963.6	843.6	727.0	616.7	512.0	408.3	13.7	7.4	4.7	3.3	2.7
67.5°	916.4	800.3	689.0	586.3	483.6	388.0	12.3	6.6	4.4	3.0	2.7
70°	782.7	677.3	588.3	497.0	413.4	327.0	9.9	5.7	3.6	2.7	2.7
72.5°	518.0	446.3	387.0	333.0	278.3	216.0	8.3	4.7	3.0	2.7	2.4
75°	195.3	176.7	151.7	136.4	119.0	104.4	6.6	3.0	2.4	2.4	2.4
77.5°	34.7	32.0	28.3	26.0	24.0	22.0	5.3	2.0	2.0	2.4	2.4
80°	23.3	21.7	19.7	18.0	16.7	15.0	3.6	1.7	2.0	2.0	2.4
82.5°	16.7	15.6	14.7	13.4	12.3	11.0	2.4	1.7	2.0	2.0	2.0
85°	9.9	9.3	8.7	8.0	7.0	6.6	1.7	1.7	1.7	2.0	2.0
87.5°	2.7	2.4	2.7	2.7	2.0	2.4	1.3	1.3	1.3	1.7	1.7
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°	52.3	52.3	52.3	52.3	52.3
2.5°	44.4	44.4	43.6	44.7	44.7
5°	38.3	38.3	38.0	38.3	38.3
7.5°	35.0	34.7	34.7	34.7	35.0
10°	32.0	31.7	31.7	31.7	31.7
12.5°	29.3	29.0	28.7	29.0	29.0
15°	27.0	26.3	26.3	26.3	26.3
17.5°	25.0	24.4	24.0	24.0	24.0
20°	23.0	22.0	22.0	22.0	22.0
22.5°	21.0	20.0	20.0	20.0	20.0
25°	19.0	18.0	18.0	18.0	18.0
27.5°	17.3	16.4	16.4	16.4	16.4
30°	15.3	14.7	14.7	15.0	14.7
32.5°	14.0	13.0	13.0	13.4	13.4
35°	12.3	11.7	11.7	11.7	11.7
37.5°	10.7	9.9	9.9	9.9	9.9
40°	9.3	8.7	8.3	8.7	8.7
42.5°	8.0	7.4	7.0	7.0	7.0
45°	7.0	6.0	5.7	6.0	6.0
47.5°	5.7	5.0	5.0	5.3	5.3
50°	4.4	4.4	4.7	5.3	5.3
52.5°	4.0	4.0	4.7	5.3	5.3
55°	3.6	4.0	4.7	5.0	5.3
57.5°	3.3	4.0	4.7	5.0	5.0
60°	3.3	3.6	4.4	5.0	5.0
62.5°	3.0	3.3	4.0	4.7	4.7
65°	3.0	3.3	4.0	4.7	4.7
66°	3.0	3.3	4.0	4.7	4.7
67.5°	3.0	3.3	4.0	4.7	4.7
70°	3.0	3.3	4.0	4.4	4.4
72.5°	2.7	3.0	3.6	4.4	4.4
75°	2.7	3.0	3.6	4.4	4.4
77.5°	2.7	3.0	3.6	4.4	4.4
80°	2.7	3.0	3.6	4.0	4.4
82.5°	2.4	3.0	3.3	4.0	4.0
85°	2.4	2.7	3.3	3.6	4.0
87.5°	2.0	2.4	2.7	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)