

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: P152145

Luminaire Tested: **VXS-F01-LED-E1-SL4**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152145
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F01-LED-E1-SL4
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2438.7 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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



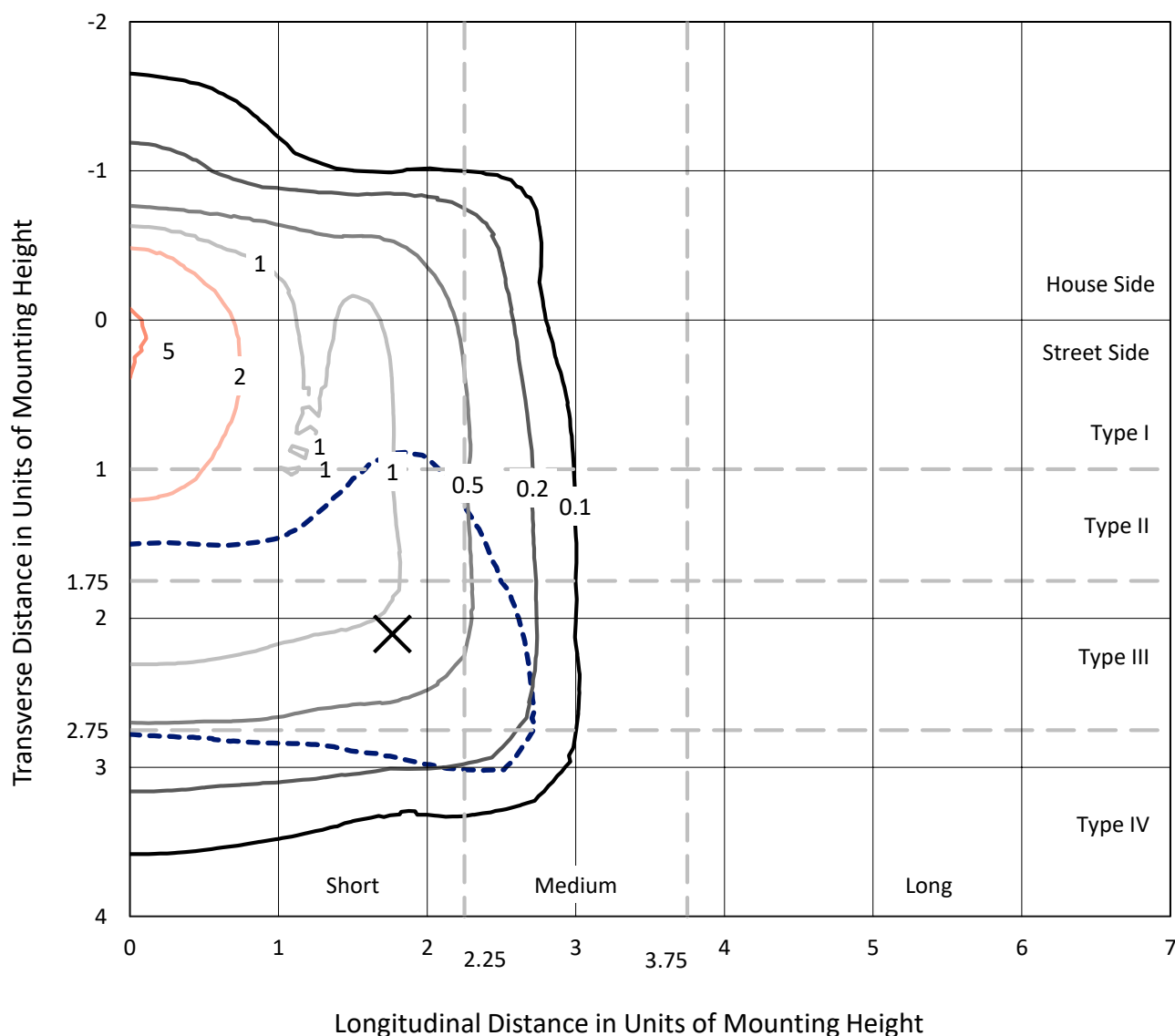
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

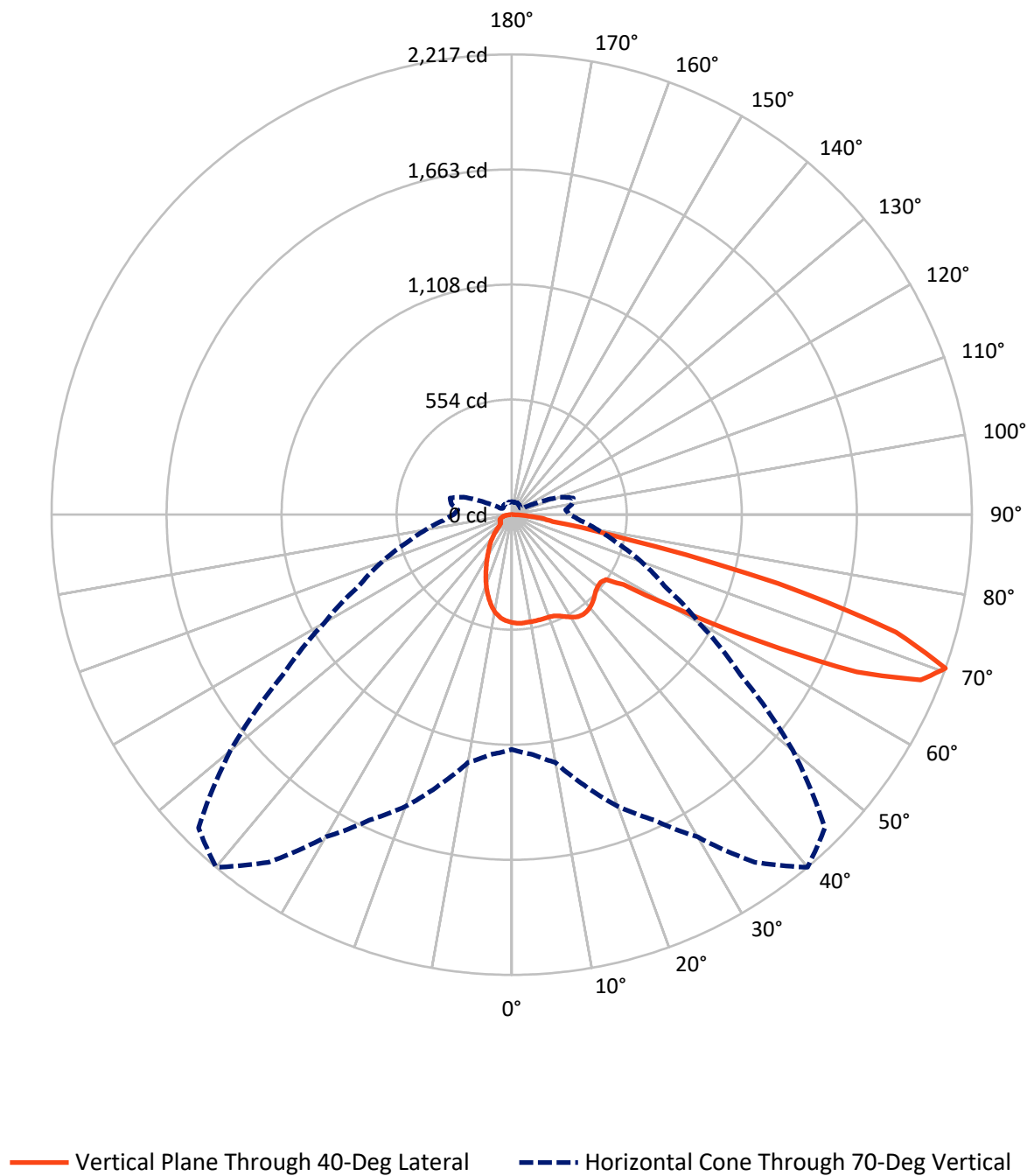


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	506.2	0.0	506.2
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	1932.5	0.0	1932.5
	% Fixture	79.2	0.0	79.2
Total	Lumens	2438.7	0.0	2438.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	2.0
10°-20°	133.1	5.5
20°-30°	197.0	8.1
30°-40°	249.0	10.2
40°-50°	281.6	11.5
50°-60°	400.7	16.4
60°-70°	746.2	30.6
70°-80°	342.0	14.0
80°-90°	40.6	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°	2438.7	100.0
0°-180°	2438.7	100.0

Coefficient of Utilization



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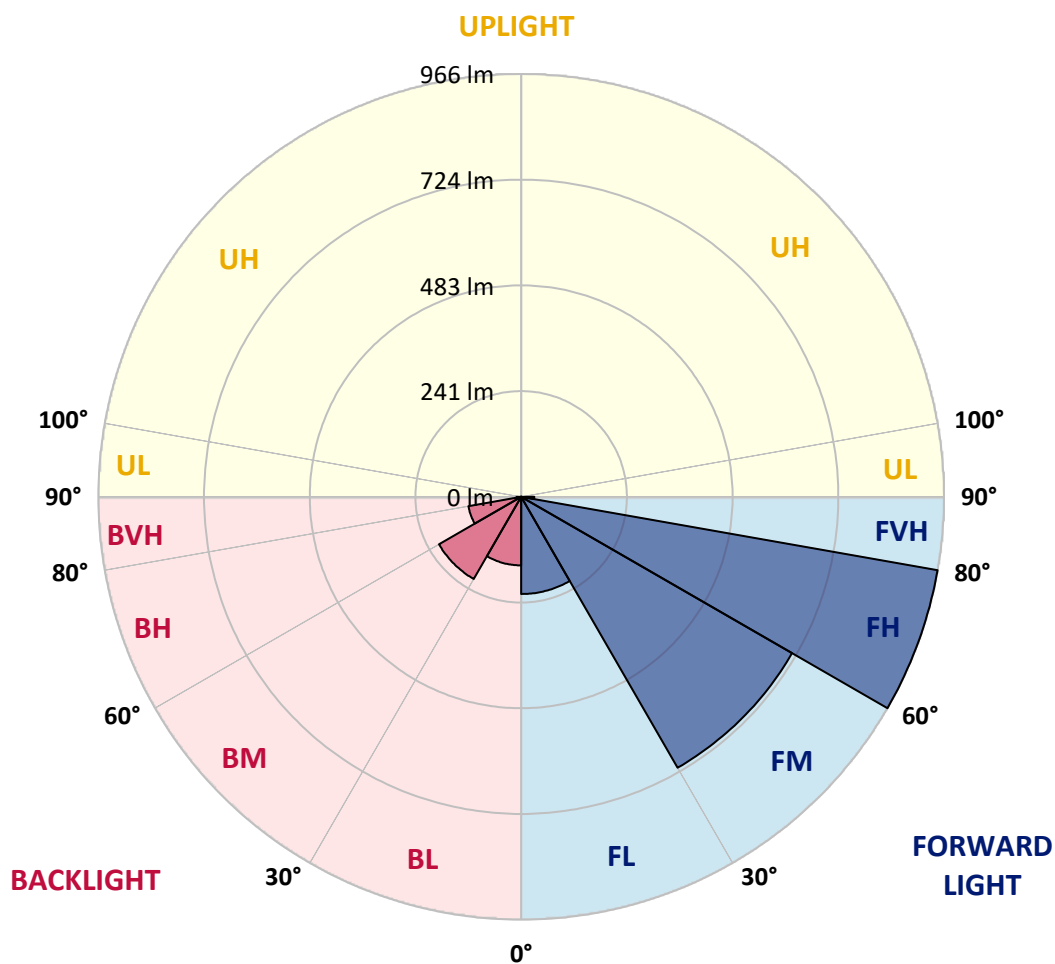
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.1	9.1			
FM	(30°-60°)	714.5	29.3			
FH	(60°-80°)	965.8	39.6			G1/1800
FVH	(80°-90°)	30.1	1.2			G1/100
BL	(0°-30°)	156.6	6.4	B1/500		
BM	(30°-60°)	216.7	8.9	B0/220		
BH	(60°-80°)	122.4	5.0	B1/500		G1/500
BVH	(80°-90°)	10.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3
2.5°	528.3	529.7	528.1	527.8	527.8	527.5	525.9	525.6	523.4	523.6	524.2
5°	532.2	532.7	531.6	531.4	530.8	529.7	528.3	526.7	525.1	523.4	522.0
7.5°	536.1	535.4	534.7	534.7	533.9	532.2	529.4	527.3	523.6	521.8	519.3
10°	541.6	540.7	539.6	539.1	537.7	535.2	531.4	528.3	523.9	520.1	516.0
12.5°	546.7	546.5	544.9	544.0	541.9	539.4	534.7	529.9	524.2	518.1	512.6
15°	556.2	555.0	553.4	551.7	548.2	544.9	537.7	532.2	523.9	516.0	507.5
17.5°	572.3	570.5	568.8	565.2	560.8	555.0	544.6	535.2	523.9	512.3	502.7
20°	602.1	597.9	595.8	591.1	583.4	573.0	556.7	541.6	524.8	509.9	497.0
22.5°	635.6	633.0	629.8	626.8	614.7	599.6	577.6	555.0	529.7	508.8	492.3
25°	673.4	669.7	668.1	662.9	651.6	634.3	604.2	573.0	541.0	513.2	492.3
27.5°	706.9	705.8	705.6	699.5	688.8	668.4	633.0	595.2	556.4	522.3	496.4
30°	737.5	736.4	735.9	732.5	720.1	696.0	657.4	615.0	573.2	534.9	504.1
32.5°	769.9	766.3	764.7	758.3	744.4	716.0	672.0	628.0	586.4	547.4	512.6
35°	796.4	793.4	790.1	780.9	761.1	727.6	678.3	632.3	591.6	554.2	517.1
37.5°	815.6	812.6	807.9	796.4	771.9	731.4	678.0	631.0	589.7	553.1	517.9
40°	824.1	821.1	816.2	801.6	773.8	729.2	672.8	624.7	583.9	547.4	514.6
42.5°	820.8	818.7	812.3	798.2	767.8	719.3	662.4	612.8	573.0	537.9	507.2
45°	808.2	806.5	800.5	785.6	754.0	703.3	646.9	597.9	559.7	526.4	497.2
47.5°	789.2	788.6	782.6	768.0	736.7	687.4	631.0	583.4	546.5	515.1	489.0
50°	768.3	765.5	762.5	749.0	720.4	673.7	619.4	574.3	539.1	511.0	485.4
52.5°	755.1	754.3	751.5	739.4	711.9	665.7	614.2	571.0	538.5	510.2	483.5
55°	872.3	874.2	848.9	796.4	750.2	687.7	629.8	587.8	552.0	523.4	503.8
57.5°	1290.3	1281.8	1238.2	1134.0	1016.3	860.7	748.7	680.8	636.5	641.5	651.3
60°	1503.3	1501.7	1493.7	1453.2	1374.8	1256.5	1125.2	974.7	926.8	932.0	935.9
62.5°	1598.4	1600.9	1607.0	1591.9	1571.3	1536.9	1471.4	1410.8	1346.7	1322.8	1258.7
65°	1642.5	1646.9	1660.7	1669.2	1677.2	1683.2	1709.1	1780.1	1826.8	1739.4	1535.8
67.5°	1551.4	1572.6	1618.0	1662.4	1702.0	1758.3	1845.9	2010.7	2125.5	2017.8	1722.6
70°	1131.0	1159.9	1211.9	1348.9	1495.3	1623.2	1792.7	2043.7	2216.8	2133.7	1768.8
72.5°	709.1	717.1	740.2	790.6	899.3	1063.5	1359.9	1736.4	1936.2	1869.8	1495.0
75°	449.9	452.6	451.8	463.4	481.9	517.6	634.8	1025.6	1326.3	1222.9	833.3
77.5°	268.0	272.1	273.8	277.4	286.2	298.9	308.5	348.9	556.2	539.9	302.4
80°	224.6	227.9	225.1	224.2	218.8	214.9	219.6	214.9	199.5	192.0	176.9
82.5°	118.9	118.5	117.8	125.8	142.0	154.6	164.2	162.1	146.6	125.0	105.9
85°	65.2	67.5	67.5	70.2	67.7	68.0	70.2	74.0	68.5	57.2	46.7
87.5°	5.5	8.5	6.8	8.5	11.6	8.3	8.0	8.0	6.8	5.0	4.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3
2.5°	522.8	522.3	521.1	520.3	520.3	519.0	518.1	517.6	517.3	516.3	516.3
5°	521.1	519.3	517.3	516.0	515.1	513.8	511.5	510.5	509.1	508.0	507.5
7.5°	517.6	514.0	511.0	508.8	506.0	503.8	501.1	498.7	496.2	495.0	494.5
10°	512.1	507.5	502.7	498.7	494.7	490.9	487.4	483.7	480.7	478.5	476.4
12.5°	506.8	499.7	493.7	487.6	481.6	476.9	471.9	466.7	462.3	458.1	457.1
15°	499.7	491.5	483.7	476.4	468.9	461.2	455.1	449.3	442.2	437.5	434.0
17.5°	493.2	483.2	473.9	465.1	456.0	448.0	438.9	431.2	424.0	416.9	411.7
20°	486.0	475.2	465.3	455.4	445.5	435.3	424.9	414.9	406.1	397.6	389.1
22.5°	479.6	468.6	459.0	448.3	437.2	425.7	413.6	401.2	391.0	380.0	370.2
25°	475.8	463.6	453.8	443.3	431.2	418.5	404.8	390.2	377.8	365.2	353.4
27.5°	475.8	460.1	449.9	439.5	427.0	413.6	398.4	382.5	368.5	354.4	339.8
30°	479.9	460.6	446.8	435.9	423.2	408.6	391.8	375.0	359.7	343.1	329.1
32.5°	483.7	461.8	444.7	430.7	416.1	401.8	384.7	366.8	349.7	334.1	319.2
35°	486.2	461.8	440.5	422.7	406.1	392.1	375.3	357.4	340.1	324.7	311.0
37.5°	486.5	459.6	434.0	413.6	396.3	381.7	365.7	348.9	332.4	318.1	306.5
40°	483.7	455.1	427.4	403.9	385.8	371.0	356.4	341.2	326.3	314.5	304.7
42.5°	478.8	450.5	421.0	396.3	377.3	361.9	348.4	335.4	322.5	312.3	304.0
45°	471.4	444.1	415.2	391.6	372.8	356.6	343.4	332.6	321.7	313.2	304.9
47.5°	464.8	442.0	417.2	394.6	375.0	358.2	344.8	335.8	327.2	321.5	310.2
50°	463.4	440.8	418.0	397.1	377.3	360.2	348.4	343.7	341.2	337.6	320.3
52.5°	459.6	440.5	424.0	412.5	399.8	391.8	379.5	383.8	381.1	368.5	337.1
55°	500.0	505.5	520.9	542.9	563.3	568.0	566.6	561.3	533.6	459.0	377.5
57.5°	687.4	718.4	747.7	760.6	759.0	744.4	733.9	712.7	672.5	581.8	457.3
60°	947.7	952.6	937.2	914.4	875.9	843.7	809.3	769.6	711.3	622.5	506.3
62.5°	1187.4	1120.8	1052.2	987.9	929.2	878.1	830.2	774.9	699.0	606.2	500.0
65°	1356.6	1215.8	1107.6	1015.1	932.3	860.7	801.0	729.2	643.6	560.0	463.4
67.5°	1443.8	1227.9	1061.9	933.2	815.6	716.6	637.0	567.2	503.5	466.9	405.6
70°	1346.4	1042.1	811.0	665.4	524.8	420.7	332.4	279.1	260.6	295.2	307.0
72.5°	1003.3	678.3	482.4	373.2	285.9	227.9	174.7	137.3	111.7	117.2	152.1
75°	474.4	292.7	206.9	157.4	125.2	103.7	84.8	77.6	65.0	53.9	50.7
77.5°	184.7	134.6	111.2	81.5	57.8	46.5	39.6	38.2	39.1	37.9	37.4
80°	140.6	95.2	59.7	43.7	37.7	33.3	29.4	28.4	28.9	30.3	31.6
82.5°	78.4	49.0	36.4	31.6	28.4	24.2	22.0	20.4	20.6	22.3	25.3
85°	30.3	23.6	21.8	20.9	19.6	15.6	13.5	13.8	15.6	18.8	18.8
87.5°	3.3	3.3	4.4	3.3	3.3	3.3	3.0	3.6	3.8	5.0	5.8
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3
2.5°	515.6	515.6	515.6	515.1	515.4	514.3	514.3	513.5	514.8	514.0	513.8
5°	507.7	507.5	506.3	506.3	506.3	506.3	507.2	505.0	506.6	506.6	505.8
7.5°	494.2	494.2	491.2	492.8	492.3	493.2	494.2	493.2	494.7	495.9	495.0
10°	475.5	475.5	473.1	474.9	474.1	476.1	477.9	476.9	477.9	479.6	480.2
12.5°	454.8	453.8	451.6	452.4	452.4	453.5	454.3	455.6	457.1	459.3	460.4
15°	430.9	429.2	426.5	426.5	424.9	425.4	427.0	427.7	430.4	433.4	437.0
17.5°	406.4	402.3	399.3	395.8	393.0	395.1	397.1	398.4	400.6	405.3	407.8
20°	383.3	375.0	369.3	364.6	361.6	363.0	365.4	367.0	369.0	370.2	371.0
22.5°	360.5	351.1	343.1	337.4	332.4	333.8	332.6	331.8	333.3	329.6	329.4
25°	340.6	329.6	319.0	312.0	306.0	304.0	298.2	296.9	293.1	290.1	287.9
27.5°	326.3	312.0	300.2	292.2	282.6	275.4	268.0	260.6	256.5	251.5	249.0
30°	315.0	299.9	285.9	272.4	259.8	248.8	238.9	229.2	222.6	215.4	210.8
32.5°	304.7	290.6	273.6	255.1	238.0	225.6	212.7	201.7	191.3	181.9	175.0
35°	297.5	281.8	260.0	237.5	218.2	203.6	189.8	174.2	161.6	149.4	142.0
37.5°	293.6	274.3	247.7	222.6	201.1	184.7	167.6	149.4	134.0	122.7	111.4
40°	290.6	266.9	236.7	209.4	186.8	167.0	147.3	125.8	108.7	96.9	88.1
42.5°	287.3	258.7	227.0	199.0	173.9	150.8	126.8	104.0	87.8	79.5	75.6
45°	283.7	251.5	217.9	189.0	161.2	133.2	105.7	84.5	74.8	72.1	72.1
47.5°	282.9	246.8	211.3	179.4	146.9	112.8	86.1	73.0	70.2	70.7	71.8
50°	286.2	245.5	205.6	168.1	128.0	91.4	73.0	68.5	69.1	70.7	72.3
52.5°	294.2	246.5	199.5	152.4	105.4	75.4	67.5	67.2	68.8	71.3	73.0
55°	307.7	246.5	188.0	129.0	84.2	67.7	65.5	66.6	68.8	71.0	72.3
57.5°	336.6	244.0	167.6	103.2	70.5	65.0	65.0	66.3	68.3	70.5	71.5
60°	371.0	240.8	139.0	79.8	63.5	62.7	64.7	66.3	68.0	69.8	71.0
62.5°	373.2	232.2	110.1	66.0	60.0	61.3	64.4	66.6	67.2	68.5	69.8
65°	342.9	202.5	87.5	59.2	58.3	60.5	63.5	65.2	65.5	66.0	67.5
67.5°	300.2	165.1	70.7	55.9	56.7	59.2	60.8	62.2	63.0	64.4	64.7
70°	246.5	132.6	60.5	52.5	53.4	56.2	57.5	58.9	60.5	62.2	61.3
72.5°	174.7	103.2	53.1	49.0	50.1	52.5	54.2	55.3	56.7	58.3	57.2
75°	74.3	72.1	45.9	44.4	45.9	47.6	49.2	50.9	52.3	53.1	53.1
77.5°	37.9	42.4	39.6	39.6	40.7	42.4	43.7	45.4	46.2	47.0	48.2
80°	32.2	32.7	33.3	34.4	35.5	37.1	38.5	39.9	40.2	40.4	41.0
82.5°	26.7	27.8	28.4	29.9	30.8	31.4	32.2	32.2	32.7	32.7	31.9
85°	19.3	20.6	21.5	21.8	21.5	21.8	22.0	22.6	23.9	23.9	22.8
87.5°	5.5	5.2	6.6	6.8	7.5	8.5	9.6	11.6	12.1	12.6	12.6
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):

	165°	170°	175°	180°
0°	520.3	520.3	520.3	520.3
2.5°	513.5	514.0	513.0	513.2
5°	505.8	506.8	505.5	507.2
7.5°	495.9	497.5	497.2	497.0
10°	481.6	483.7	483.7	484.6
12.5°	463.4	464.8	465.9	466.4
15°	438.9	441.3	442.8	442.8
17.5°	409.4	411.1	411.9	410.9
20°	372.0	371.5	371.7	369.0
22.5°	328.8	329.6	327.2	327.8
25°	286.4	285.1	286.2	284.6
27.5°	245.5	245.7	242.7	244.0
30°	206.4	205.0	201.1	203.1
32.5°	168.7	165.1	160.9	158.5
35°	133.2	127.7	125.8	125.0
37.5°	104.6	98.5	96.6	94.4
40°	83.1	80.9	80.1	80.6
42.5°	74.6	74.6	75.1	75.4
45°	72.3	73.2	74.0	74.3
47.5°	72.6	73.5	74.6	74.8
50°	73.2	74.0	74.8	75.1
52.5°	73.5	73.5	74.0	74.3
55°	73.0	72.6	73.0	73.2
57.5°	71.8	71.3	71.5	72.3
60°	71.3	70.5	71.0	71.5
62.5°	69.8	69.6	70.2	70.5
65°	66.8	67.2	68.0	68.0
67.5°	64.1	64.4	64.7	65.0
70°	60.8	61.1	61.7	61.9
72.5°	57.0	58.0	58.9	60.0
75°	53.9	55.0	56.7	57.8
77.5°	48.7	49.5	51.5	52.8
80°	41.2	41.0	41.2	42.1
82.5°	31.6	31.6	31.4	31.1
85°	22.3	22.0	21.1	21.1
87.5°	12.1	11.8	11.6	11.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)