

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: P180522

Luminaire Tested: **ICS-F01-LED-E1-SL2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180522
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-SL2-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2073.3 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-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



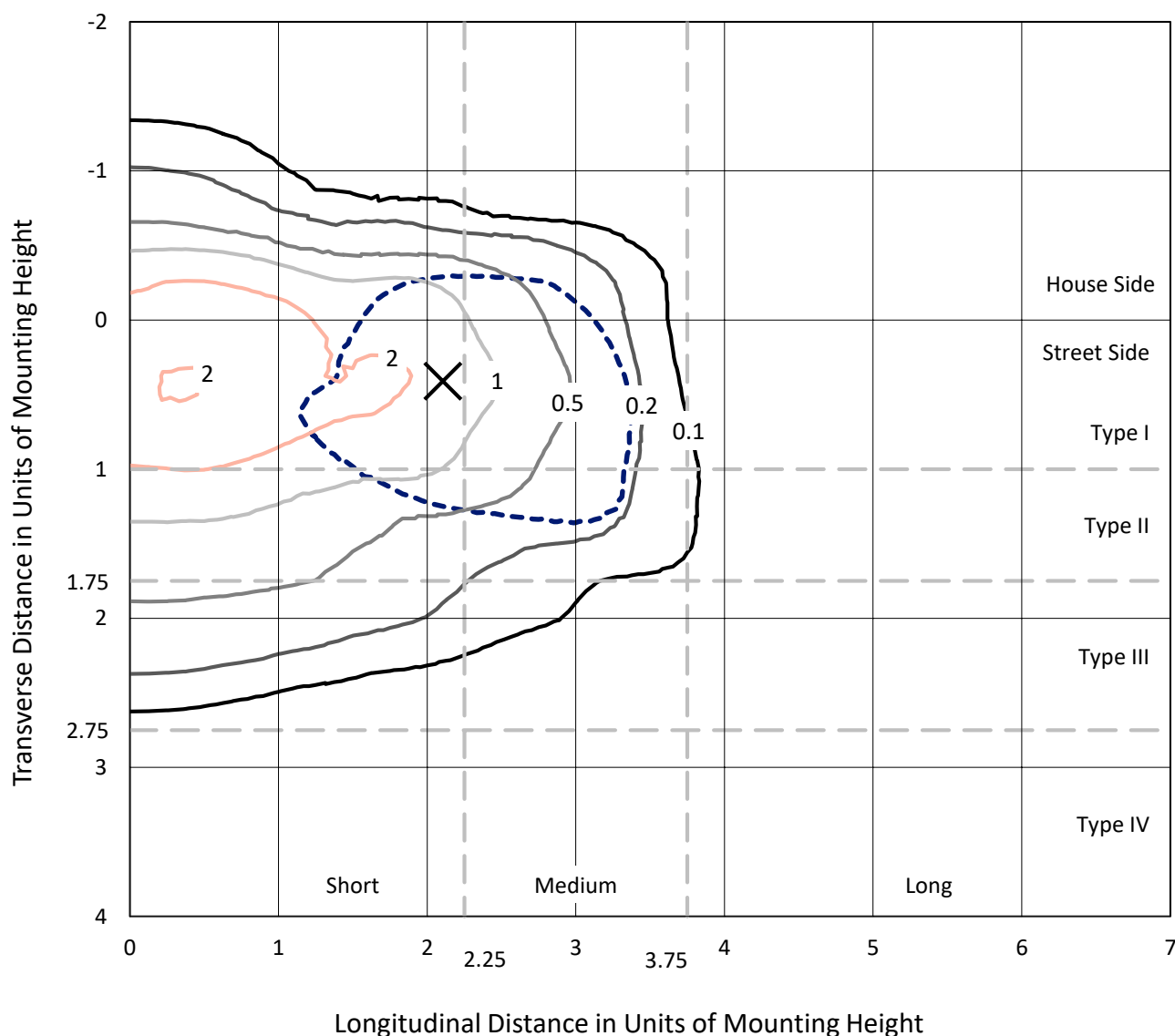
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

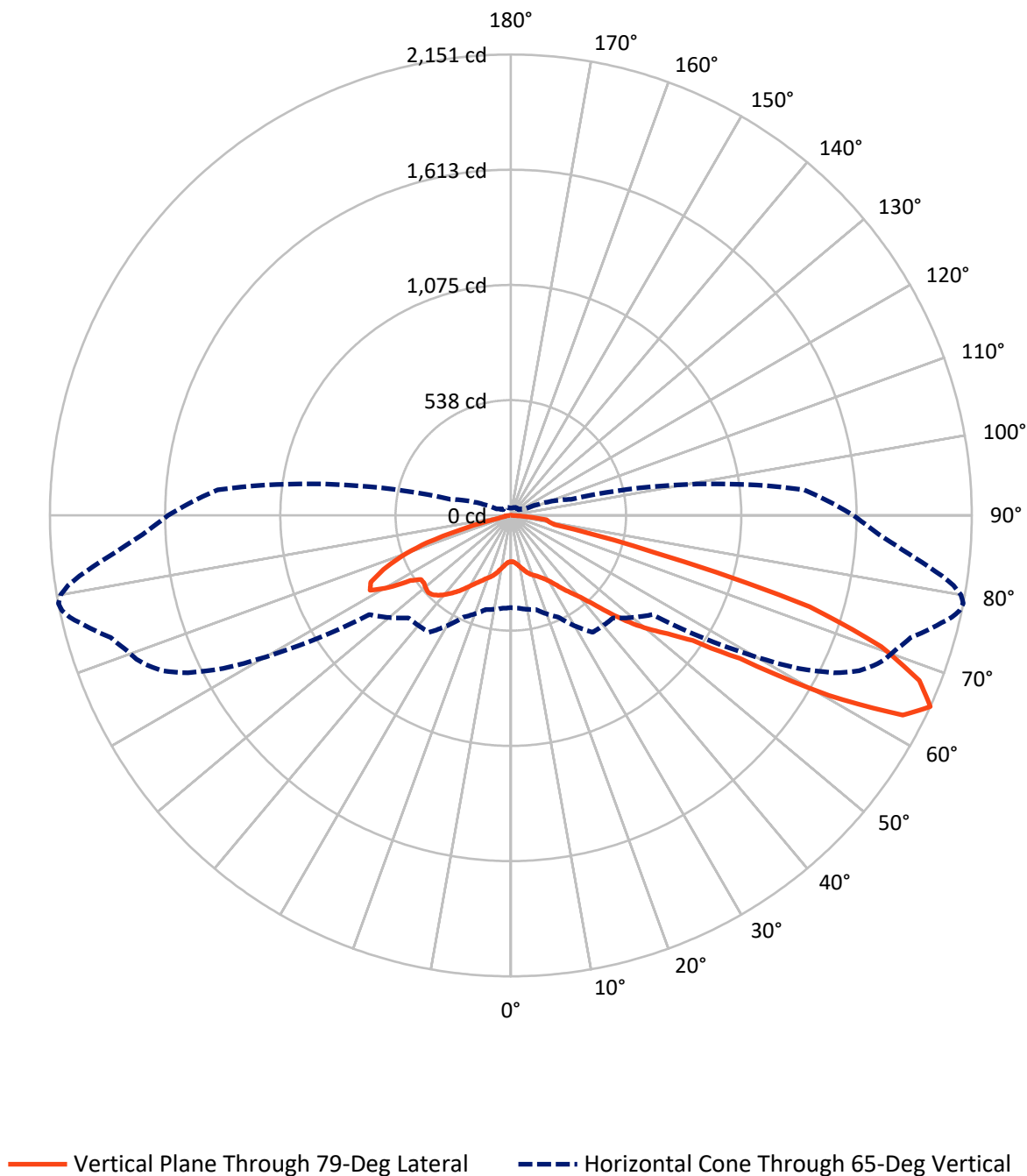


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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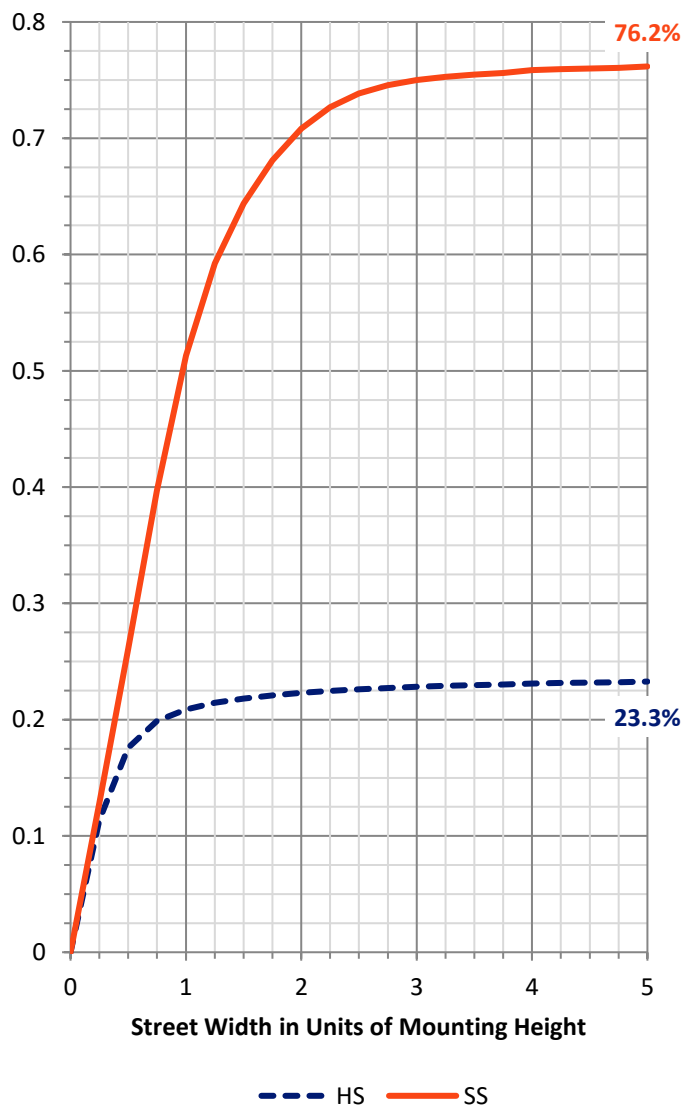
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	490.1	0.0	490.1
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	1583.2	0.0	1583.2
	% Fixture	76.4	0.0	76.4
Total	Lumens	2073.3	0.0	2073.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	1.0
10°-20°	70.1	3.4
20°-30°	121.2	5.8
30°-40°	200.6	9.7
40°-50°	340.1	16.4
50°-60°	451.9	21.8
60°-70°	583.8	28.2
70°-80°	244.8	11.8
80°-90°	39.3	1.9
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°	2073.3	100.0
0°-180°	2073.3	100.0

Coefficient of Utilization



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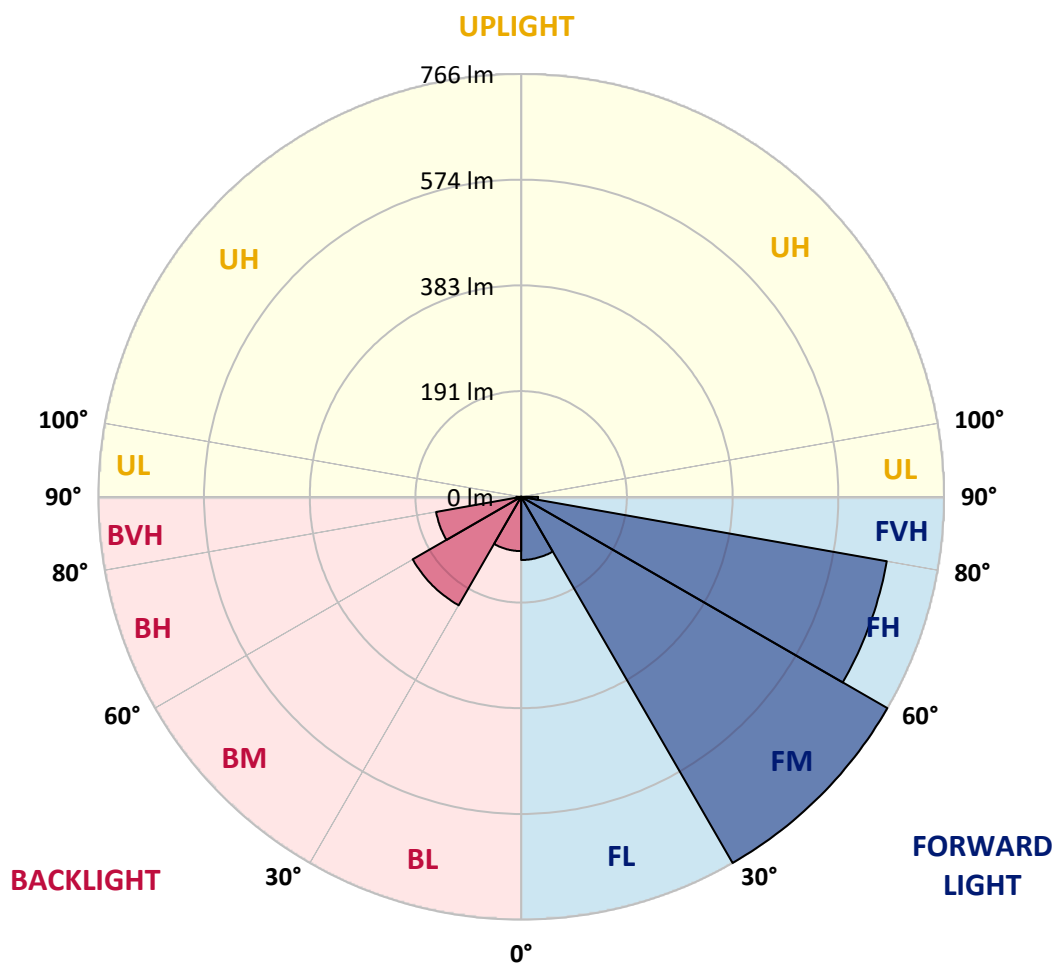
CATALOG NUMBER: ICS-F01-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.4	5.5			
FM	(30°-60°)	765.7	36.9			
FH	(60°-80°)	672.3	32.4			G1/1800
FVH	(80°-90°)	30.8	1.5			G1/100
BL	(0°-30°)	98.4	4.7	B0/110		
BM	(30°-60°)	226.9	10.9	B1/1000		
BH	(60°-80°)	156.3	7.5	B1/500		G1/500
BVH	(80°-90°)	8.6	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	215.1	215.8	215.4	215.8	216.3	216.5	216.9	216.7	216.7	216.9	216.5
5°	215.1	215.1	215.8	216.9	217.4	218.7	220.3	220.1	220.3	220.1	220.6
7.5°	219.7	219.4	220.1	221.5	221.9	223.9	226.7	227.1	227.6	227.6	228.2
10°	227.6	227.3	228.0	228.7	229.4	231.0	234.8	236.4	236.6	236.8	237.7
12.5°	237.5	237.3	236.4	236.4	236.2	239.1	244.3	247.2	247.7	248.6	249.3
15°	244.5	243.9	242.5	241.6	242.7	247.5	255.2	258.6	259.0	259.7	261.5
17.5°	251.3	250.6	247.7	245.4	247.0	254.7	265.1	268.7	269.6	270.3	272.4
20°	260.8	260.4	256.1	250.6	250.2	260.1	272.8	277.6	278.2	279.1	281.2
22.5°	275.3	273.3	268.3	258.1	253.1	263.3	278.2	284.8	285.7	286.6	289.3
25°	293.4	292.5	283.9	268.3	257.9	266.5	284.1	292.3	293.6	294.8	298.4
27.5°	312.2	310.8	301.5	281.2	266.2	272.8	293.4	302.7	304.5	306.3	309.7
30°	328.9	328.5	320.8	298.6	279.8	284.8	308.3	319.6	321.7	323.9	327.1
32.5°	368.3	368.5	360.6	338.0	312.6	306.5	329.8	346.8	347.7	350.4	356.1
35°	443.6	444.5	441.6	423.7	395.2	370.1	372.3	389.1	390.0	392.2	397.7
37.5°	494.0	495.9	504.9	510.6	496.1	484.5	455.8	449.3	449.9	448.6	447.4
40°	521.9	524.6	548.3	577.7	593.6	593.8	581.4	552.4	541.3	538.2	524.6
42.5°	537.7	542.2	575.9	626.2	671.6	702.8	710.5	678.4	670.3	655.8	629.8
45°	548.1	553.5	593.3	662.1	729.1	782.2	822.3	808.0	802.6	793.8	769.8
47.5°	546.3	550.6	592.0	674.3	759.2	834.7	905.7	920.4	913.9	911.6	895.3
50°	513.3	517.1	559.2	644.0	742.6	854.6	958.7	1000.3	1000.3	1004.6	999.6
52.5°	478.0	481.1	519.4	595.6	689.3	835.2	988.1	1057.1	1066.1	1073.6	1085.4
55°	464.6	468.5	497.4	562.6	643.8	779.5	998.0	1099.6	1116.3	1129.0	1155.7
57.5°	471.0	474.8	495.4	544.7	617.1	722.7	998.5	1156.8	1189.2	1215.2	1269.3
60°	498.3	502.0	519.2	561.2	610.1	689.9	979.3	1248.0	1299.6	1348.4	1438.5
62.5°	485.7	490.2	515.3	588.6	662.3	665.1	909.8	1318.6	1401.6	1473.8	1617.0
65°	430.3	435.0	454.7	523.2	665.5	675.9	806.9	1319.9	1423.1	1520.6	1675.1
67.5°	326.6	328.5	344.1	399.0	532.3	687.9	701.0	1163.6	1261.8	1370.6	1530.1
70°	166.9	170.1	174.6	220.3	342.7	568.5	602.4	857.6	982.7	1095.1	1286.7
72.5°	57.9	59.0	63.6	84.2	166.9	373.0	527.3	587.7	663.2	768.4	990.3
75°	34.8	34.8	36.4	42.5	76.2	194.3	469.2	480.0	490.2	525.5	670.7
77.5°	27.6	28.1	28.1	29.2	42.3	99.8	356.3	446.3	447.7	451.1	475.5
80°	19.7	20.6	22.4	23.3	27.4	54.7	200.0	391.8	418.5	431.4	449.3
82.5°	14.7	15.6	19.0	20.1	21.3	30.5	89.8	270.3	319.0	344.7	407.6
85°	6.6	7.7	12.9	14.3	14.9	16.3	42.1	76.9	88.4	99.3	131.0
87.5°	1.1	1.1	2.0	2.9	4.3	4.1	9.3	13.1	13.3	15.6	17.4
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	216.5	216.5	216.5	216.3	216.5	216.5	216.5	216.5	216.7	216.7	216.7
5°	221.2	220.8	221.0	221.0	221.0	220.8	221.2	221.0	221.2	221.9	221.7
7.5°	228.2	228.7	228.9	229.2	229.2	229.2	229.4	229.8	229.8	230.5	230.3
10°	238.7	238.4	238.7	239.3	240.0	240.2	240.9	240.7	241.1	242.0	242.9
12.5°	249.7	250.2	250.9	251.5	252.7	252.9	253.6	253.8	255.2	255.2	256.1
15°	262.2	262.4	263.8	264.0	265.3	265.8	266.9	267.4	269.0	269.2	270.1
17.5°	273.5	273.9	274.6	275.3	276.9	277.6	278.5	279.4	280.7	281.2	282.8
20°	282.5	283.4	283.7	285.0	286.4	287.3	288.2	289.1	290.5	291.1	292.7
22.5°	290.7	291.6	292.3	293.4	294.3	295.7	296.1	297.7	299.1	300.2	301.5
25°	299.5	300.9	301.5	303.6	304.3	305.6	306.7	308.3	310.1	311.5	313.3
27.5°	311.9	314.0	314.9	317.1	318.7	319.4	321.2	323.5	325.1	326.6	328.5
30°	329.1	333.0	333.7	335.2	338.2	338.6	340.9	342.7	345.2	346.8	348.4
32.5°	355.8	360.6	361.0	362.8	365.3	366.2	368.0	370.1	373.9	374.6	377.1
35°	396.8	398.8	400.6	401.3	403.3	404.5	405.8	408.1	411.9	411.5	414.2
37.5°	445.9	446.5	446.8	444.5	445.0	442.9	445.4	445.9	447.2	448.3	451.1
40°	516.0	509.0	508.1	502.6	497.2	494.3	493.1	488.6	489.7	490.2	492.5
42.5°	618.5	604.9	593.6	585.9	572.5	566.0	557.2	550.1	544.7	546.8	547.7
45°	748.3	728.8	710.8	687.2	669.8	657.4	641.8	627.7	621.4	618.5	622.1
47.5°	877.9	860.7	839.5	815.3	787.7	767.1	741.1	718.2	702.4	696.5	699.7
50°	989.9	974.1	958.0	943.7	911.6	889.2	853.7	824.1	799.2	786.5	783.1
52.5°	1082.9	1074.5	1065.9	1053.9	1028.1	1005.7	977.5	948.3	915.2	889.5	880.6
55°	1165.9	1170.9	1166.6	1166.8	1156.6	1142.4	1118.4	1096.7	1073.6	1044.4	1032.2
57.5°	1286.9	1316.3	1322.2	1336.9	1344.1	1351.8	1358.6	1345.7	1339.8	1318.1	1318.4
60°	1477.6	1520.6	1557.9	1591.8	1619.7	1646.8	1675.3	1688.0	1702.0	1708.6	1731.0
62.5°	1680.5	1721.5	1777.1	1822.6	1848.1	1883.4	1914.4	1934.6	1959.2	1985.4	2019.6
65°	1730.7	1780.0	1815.1	1845.4	1870.8	1889.5	1906.5	1930.5	1951.1	1992.7	2033.0
67.5°	1602.0	1641.4	1673.5	1703.4	1723.0	1738.9	1754.0	1769.9	1805.2	1842.9	1883.4
70°	1375.1	1422.6	1475.8	1514.5	1524.2	1537.8	1552.3	1572.8	1590.5	1630.1	1660.8
72.5°	1104.8	1173.1	1218.1	1271.8	1283.3	1303.9	1312.0	1328.1	1331.2	1352.7	1360.9
75°	770.0	848.3	893.5	932.9	940.6	929.3	933.8	877.0	862.5	850.8	841.3
77.5°	508.3	529.3	536.6	530.2	499.9	476.2	450.8	426.0	428.7	408.5	373.2
80°	452.0	456.7	450.2	443.8	426.4	401.5	378.7	355.4	343.8	331.6	313.5
82.5°	439.8	458.1	460.1	452.4	438.6	411.5	383.9	349.3	319.9	292.7	265.1
85°	147.0	178.9	193.2	206.5	210.6	215.4	199.1	176.9	150.2	132.3	103.6
87.5°	18.8	23.3	26.9	23.1	26.9	31.7	22.8	25.6	25.8	16.1	12.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	216.9	216.7	216.7	216.7	216.5	216.7	216.7	216.7	216.7	216.7	216.5
5°	221.9	221.9	222.6	222.8	222.4	222.1	222.4	222.6	222.6	222.4	222.6
7.5°	231.2	231.4	231.9	232.5	232.1	232.3	232.5	232.3	233.0	233.2	233.0
10°	242.9	243.4	244.5	244.8	244.5	245.4	245.7	245.2	245.7	245.7	246.6
12.5°	256.5	257.0	258.3	258.8	259.2	259.5	260.1	260.4	261.0	261.5	262.2
15°	271.2	271.7	272.6	274.2	274.6	275.1	275.5	276.9	277.1	278.0	278.7
17.5°	283.7	284.3	285.7	286.8	287.5	288.6	289.1	290.7	291.1	292.5	293.6
20°	293.6	294.8	295.9	297.2	298.4	299.7	300.2	301.8	302.7	303.3	304.7
22.5°	302.7	304.0	305.6	307.2	308.1	309.9	310.6	311.3	313.3	314.2	315.6
25°	314.4	315.8	317.6	319.6	320.5	322.8	323.5	324.6	326.9	327.8	329.8
27.5°	330.5	332.3	333.7	335.7	336.8	338.4	340.0	341.4	343.4	344.7	347.0
30°	350.6	352.0	354.2	355.8	357.6	359.9	361.7	363.1	364.2	366.2	368.7
32.5°	380.3	380.5	381.2	385.0	386.8	388.6	391.1	392.2	394.1	396.1	398.8
35°	417.1	419.2	420.8	422.6	424.6	426.6	427.5	430.9	432.5	435.2	437.9
37.5°	453.8	454.0	457.6	458.8	460.6	462.6	465.8	469.2	473.2	475.9	480.2
40°	493.1	494.9	499.5	501.7	504.0	509.0	511.5	516.9	523.7	527.5	534.8
42.5°	550.1	552.9	561.0	564.6	570.1	578.2	583.4	590.9	593.6	602.9	606.2
45°	624.8	633.2	644.9	652.6	662.3	671.2	675.7	679.1	683.2	690.4	689.5
47.5°	705.6	716.4	729.5	745.4	751.7	762.1	768.0	774.5	770.9	769.1	767.3
50°	788.3	801.0	818.4	832.7	842.4	848.7	853.7	852.8	845.1	841.1	829.7
52.5°	880.4	887.9	904.4	916.6	922.5	923.8	922.7	915.9	908.7	895.8	882.4
55°	1021.6	1018.2	1024.7	1030.4	1028.6	1034.9	1018.6	1012.3	994.4	977.7	959.8
57.5°	1308.4	1312.9	1276.3	1259.8	1256.8	1262.7	1234.0	1230.4	1187.2	1181.7	1151.6
60°	1727.8	1750.0	1721.2	1705.2	1661.7	1647.5	1615.4	1602.0	1560.6	1527.1	1484.8
62.5°	2043.1	2063.3	2075.3	2052.4	2027.1	1989.7	1941.1	1887.3	1843.4	1792.0	1747.2
65°	2071.6	2112.4	2139.9	2150.6	2132.7	2091.8	2031.8	1964.0	1896.8	1832.3	1775.8
67.5°	1938.4	1974.8	2017.6	2055.8	2058.1	2031.4	1980.2	1911.3	1833.7	1754.0	1687.8
70°	1709.5	1755.2	1792.5	1832.8	1860.8	1845.4	1819.9	1756.5	1676.0	1614.0	1537.8
72.5°	1390.3	1409.5	1418.6	1458.2	1458.6	1430.6	1412.5	1377.4	1312.5	1268.6	1210.5
75°	811.9	769.6	724.6	685.4	653.5	640.2	580.9	571.0	531.1	506.5	470.3
77.5°	334.8	297.0	248.4	207.9	167.8	149.8	123.5	112.0	97.0	90.5	86.2
80°	287.1	251.3	214.7	179.6	148.4	117.2	91.2	70.8	55.6	47.3	43.9
82.5°	234.4	212.9	187.3	168.3	143.9	120.6	101.8	78.9	59.0	43.4	33.3
85°	84.6	69.4	55.9	51.3	40.9	33.7	28.3	24.2	19.9	15.8	14.0
87.5°	9.5	9.0	5.2	5.0	5.7	4.1	4.8	4.3	3.6	3.2	3.4
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	216.5	216.5	216.7	216.7	216.9	217.2	217.6	217.4	217.4	217.6	217.6
5°	222.6	223.3	223.0	223.0	223.0	223.3	223.5	222.6	221.7	220.8	220.3
7.5°	233.2	233.7	234.1	233.7	234.1	233.9	233.4	231.0	228.0	224.4	221.9
10°	247.0	247.0	247.5	247.2	248.2	247.5	246.1	240.5	234.1	226.4	220.8
12.5°	262.0	263.5	262.9	263.1	264.9	263.1	259.9	251.5	240.2	227.8	217.8
15°	279.6	280.3	280.7	280.0	281.2	279.6	273.9	260.6	244.1	226.7	212.0
17.5°	294.1	294.3	294.5	295.0	296.6	294.8	285.0	266.9	245.0	221.5	202.0
20°	305.4	306.5	307.4	307.4	309.7	307.0	294.1	270.1	242.0	212.9	189.3
22.5°	317.1	318.1	319.2	319.4	322.3	319.6	301.5	269.4	234.4	200.6	174.6
25°	331.6	332.5	333.4	334.6	338.6	334.8	309.0	266.7	223.7	186.2	158.8
27.5°	348.4	350.4	351.1	352.9	357.6	351.8	315.3	262.6	212.0	169.4	142.1
30°	370.8	373.2	374.2	376.6	383.2	370.3	319.0	255.6	197.0	152.5	124.2
32.5°	400.8	404.2	407.0	409.7	417.1	388.9	319.4	245.4	179.6	133.5	107.0
35°	440.2	445.4	447.4	449.3	456.3	409.0	317.4	230.3	158.3	114.0	93.4
37.5°	484.3	489.5	490.9	491.8	493.1	426.2	312.4	207.2	134.4	97.0	82.6
40°	538.6	543.1	544.9	543.6	536.3	439.5	301.3	180.3	111.1	85.5	75.8
42.5°	604.9	611.7	612.4	606.2	582.3	447.0	279.1	148.6	92.7	77.1	70.6
45°	687.0	686.5	682.7	678.4	632.3	444.1	248.2	121.0	81.2	70.6	65.8
47.5°	760.7	753.1	747.2	734.5	676.4	426.9	208.1	100.2	74.2	65.6	61.8
50°	821.1	807.1	794.7	780.9	709.2	396.3	168.3	85.1	67.6	61.3	57.9
52.5°	868.9	851.9	837.4	823.9	740.8	362.4	138.0	74.0	61.3	57.0	53.6
55°	943.5	926.6	903.5	888.6	789.2	331.2	118.3	65.1	55.2	52.5	49.1
57.5°	1132.4	1117.5	1089.9	1051.2	913.7	319.4	107.2	58.4	50.2	48.6	45.9
60°	1462.2	1438.0	1402.1	1362.7	1166.6	327.3	98.4	53.6	46.8	45.5	43.4
62.5°	1711.1	1668.5	1627.8	1591.4	1368.8	327.1	86.9	50.0	44.3	43.7	41.6
65°	1721.2	1678.0	1637.1	1598.9	1373.3	291.1	73.3	46.8	43.9	43.7	40.3
67.5°	1629.8	1583.0	1543.4	1495.3	1271.3	227.6	58.8	44.8	45.7	45.2	39.8
70°	1480.5	1419.5	1386.9	1339.4	1118.8	159.3	48.4	45.5	49.5	48.2	40.5
72.5°	1162.0	1115.9	1066.4	1033.3	875.9	100.7	40.7	45.9	51.1	48.9	42.3
75°	432.5	445.0	424.6	417.4	445.0	59.0	36.2	42.8	45.7	42.3	38.5
77.5°	87.3	83.5	79.2	78.3	101.1	36.4	33.3	37.1	35.1	31.0	31.2
80°	41.8	40.7	39.4	39.1	37.6	30.3	30.8	31.7	26.5	24.0	25.6
82.5°	27.8	26.2	25.8	24.9	25.3	27.1	29.2	27.1	20.4	19.0	23.1
85°	12.9	12.4	12.2	12.2	13.6	24.4	24.2	19.9	14.0	13.6	23.1
87.5°	3.2	3.2	3.4	3.2	3.6	7.2	6.3	6.1	5.2	5.9	10.9
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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	165°	175°	180°
0°	215.8	215.8	215.8
2.5°	217.4	217.6	217.4
5°	219.4	219.4	219.4
7.5°	219.4	218.7	218.5
10°	216.3	214.2	214.2
12.5°	210.8	207.4	207.0
15°	200.6	196.1	195.4
17.5°	187.8	181.6	180.5
20°	173.3	165.6	164.2
22.5°	157.4	148.6	147.9
25°	141.8	132.8	131.0
27.5°	124.4	115.6	114.7
30°	107.0	99.3	98.9
32.5°	92.3	87.5	86.6
35°	81.9	79.2	78.0
37.5°	75.1	73.1	72.8
40°	69.9	68.1	67.9
42.5°	65.6	64.0	63.8
45°	61.3	59.9	59.5
47.5°	57.0	55.6	55.4
50°	53.2	51.3	51.1
52.5°	49.5	47.7	47.3
55°	46.1	44.3	44.3
57.5°	43.2	41.4	41.2
60°	40.5	38.7	38.5
62.5°	38.5	36.2	36.0
65°	36.9	34.6	34.2
67.5°	36.0	33.3	32.6
70°	37.6	32.6	31.4
72.5°	37.8	31.9	30.3
75°	36.4	30.1	29.0
77.5°	31.9	26.9	25.8
80°	27.6	20.8	19.2
82.5°	26.2	17.0	14.7
85°	20.4	11.1	10.4
87.5°	11.5	6.1	5.0
90°	0.0	0.0	0.0

(END OF REPORT)