

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: P181233

Luminaire Tested: **ICM-E01-LED-E1-T2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181233
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E01-LED-E1-T2-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2405.5 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - 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

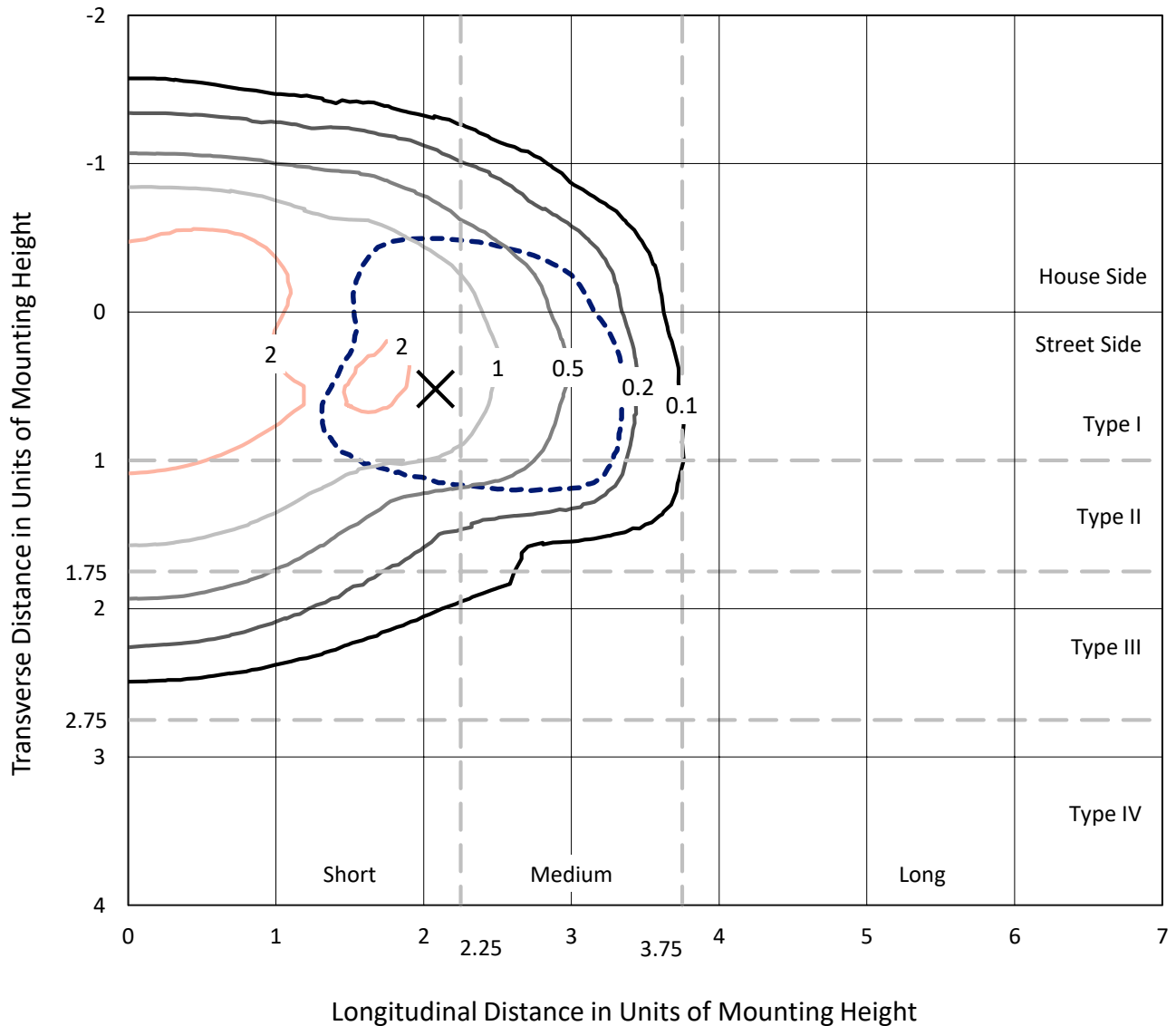


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Iso-Footcandle Lines of Horizontal Illumination

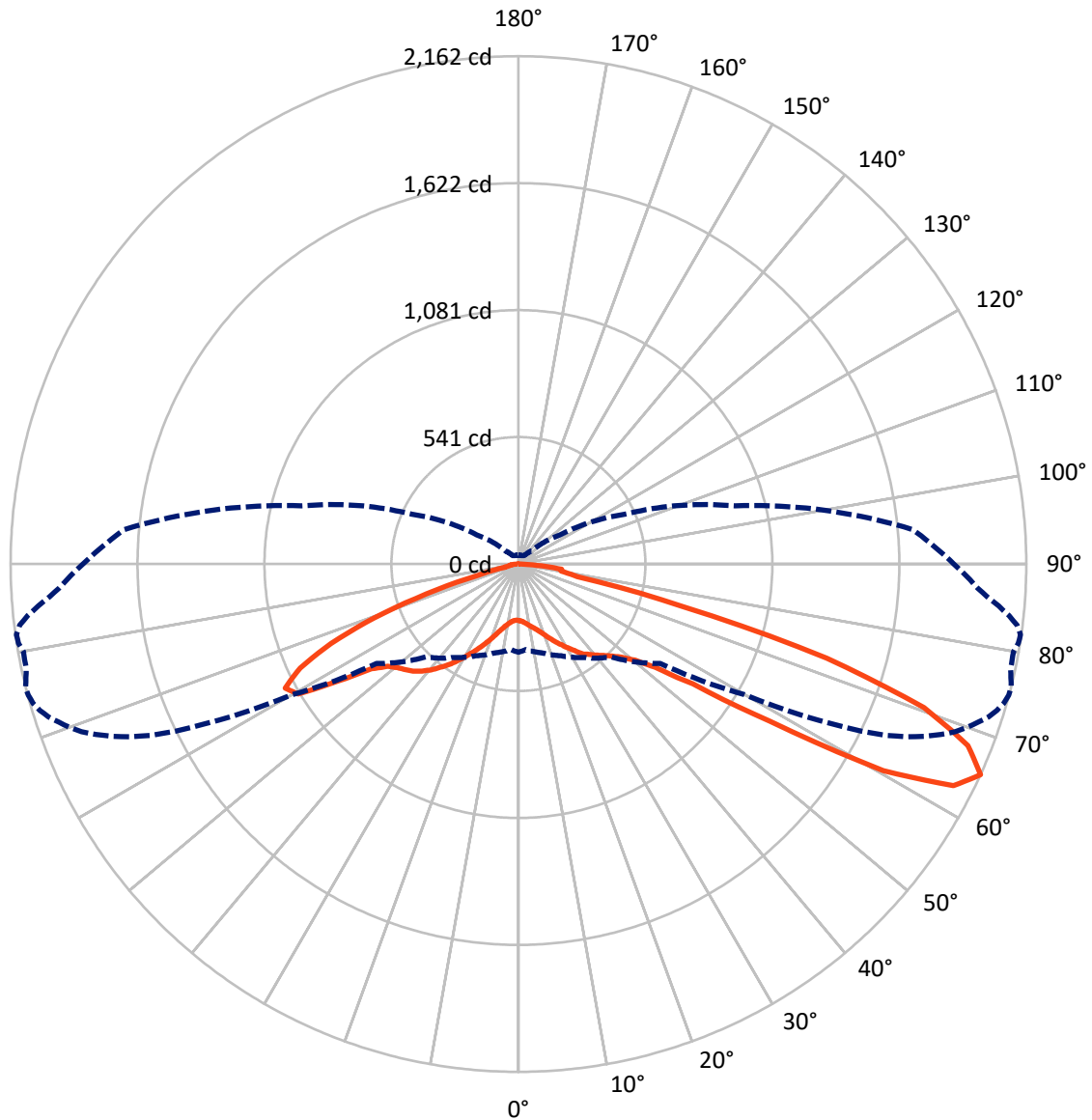
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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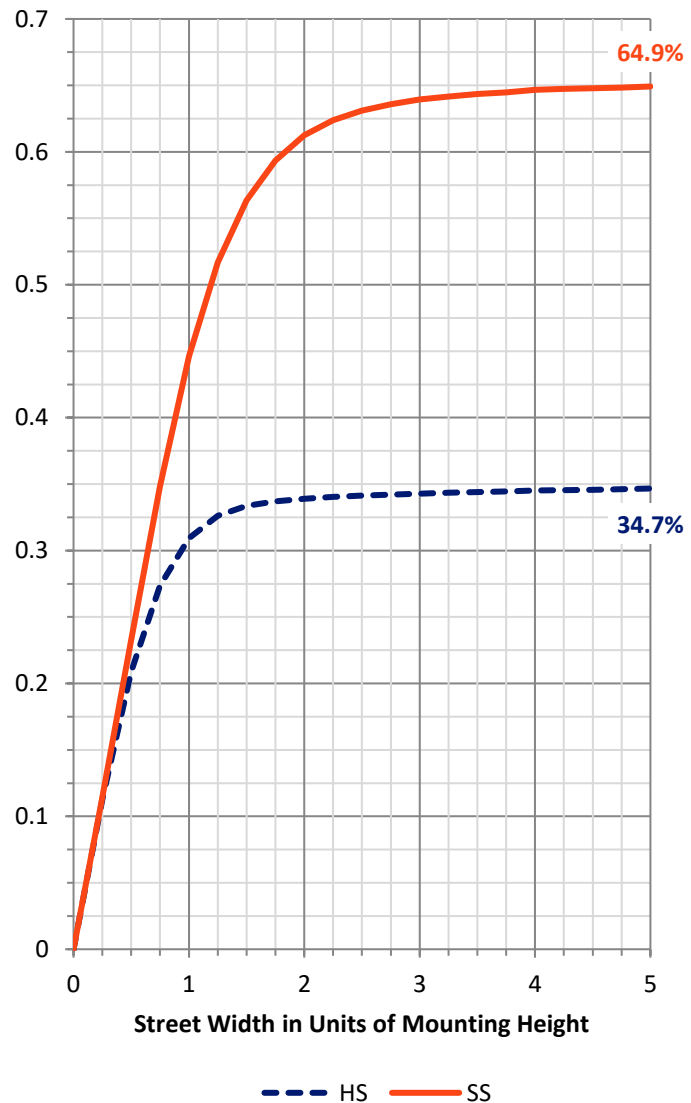
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	842.3	0.0	842.3
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1563.1	0.0	1563.1
	% Fixture	65.0	0.0	65.0
Total	Lumens	2405.5	0.0	2405.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.0
10°-20°	82.7	3.4
20°-30°	162.5	6.8
30°-40°	270.0	11.2
40°-50°	396.8	16.5
50°-60°	549.3	22.8
60°-70°	655.7	27.3
70°-80°	231.9	9.6
80°-90°	32.4	1.3
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°	2405.5	100.0
0°-180°	2405.5	100.0



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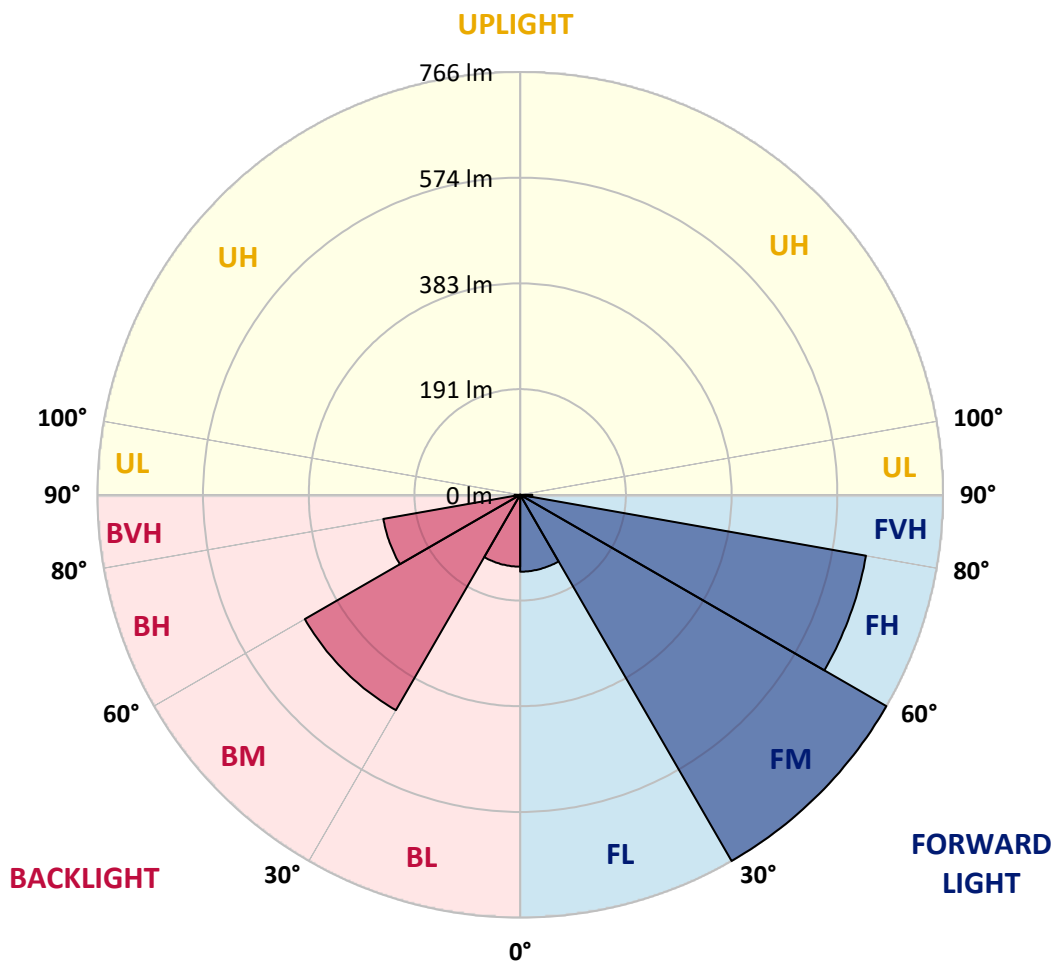
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.2	5.8			
FM (30°-60°)	765.8	31.8			
FH (60°-80°)	636.0	26.4			G0/660
FVH (80°-90°)	22.1	0.9			G1/100
BL (0°-30°)	130.1	5.4	B1/500		
BM (30°-60°)	450.3	18.7	B1/1000		
BH (60°-80°)	251.6	10.5	B1/500		G1/500
BVH (80°-90°)	10.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5
2.5°	251.0	251.3	250.7	250.4	249.7	248.4	247.4	246.2	246.2	246.2	245.5
5°	262.0	262.5	261.4	260.7	258.3	257.0	255.2	253.9	253.3	253.0	252.3
7.5°	275.8	275.1	273.5	272.9	271.2	268.3	264.8	262.2	262.2	262.0	262.2
10°	289.7	287.6	286.8	286.0	283.2	279.5	275.5	272.7	272.5	272.2	271.4
12.5°	303.5	302.8	302.0	299.2	296.3	290.5	286.0	283.2	282.9	283.2	282.1
15°	321.9	320.1	319.3	314.3	308.0	301.8	296.3	293.7	292.8	293.1	292.3
17.5°	336.0	336.0	334.2	328.7	320.6	311.9	306.2	304.7	304.4	304.4	304.7
20°	347.3	347.0	345.2	340.7	331.1	322.4	319.5	319.0	318.8	318.8	319.5
22.5°	353.6	353.0	352.3	347.3	339.7	334.0	334.2	335.7	336.3	336.8	337.9
25°	356.7	355.9	355.6	352.3	346.8	346.0	350.7	354.9	355.9	356.9	358.2
27.5°	362.0	360.7	361.1	359.8	358.5	360.9	370.6	375.0	375.8	377.1	377.9
30°	376.4	375.8	377.9	378.4	379.4	382.9	391.8	396.0	397.8	397.8	401.5
32.5°	403.8	404.1	404.6	410.0	411.9	414.2	419.0	422.4	422.6	422.9	426.3
35°	440.7	442.2	446.7	451.4	455.9	455.6	452.7	454.6	453.3	454.9	455.1
37.5°	487.3	485.2	491.7	502.5	509.3	507.4	494.6	486.2	488.6	487.5	486.8
40°	523.2	525.5	538.0	552.2	557.4	563.2	546.4	532.0	530.0	526.0	523.6
42.5°	572.7	572.8	583.1	593.6	608.7	621.3	610.5	589.9	583.6	578.9	568.7
45°	618.4	617.6	626.0	638.8	656.8	675.0	678.9	656.4	654.0	645.6	632.3
47.5°	649.0	648.0	653.8	670.5	699.8	729.4	745.6	738.8	734.3	731.0	710.0
50°	669.7	667.6	674.1	691.9	724.7	770.2	812.6	818.3	816.6	816.6	803.2
52.5°	685.1	685.1	689.9	704.3	737.5	794.2	870.1	899.3	901.6	904.2	903.4
55°	676.5	677.8	689.6	710.5	745.6	811.0	917.8	981.4	994.5	1005.5	1018.1
57.5°	646.9	651.4	667.1	701.4	747.7	823.5	970.7	1096.6	1133.4	1165.4	1215.1
60°	603.7	609.5	632.3	676.0	732.3	803.2	989.2	1193.9	1252.5	1322.1	1451.9
62.5°	529.7	535.4	557.7	601.4	649.6	724.9	912.3	1208.3	1302.0	1400.7	1596.9
65°	375.3	366.1	391.8	431.1	486.2	559.3	737.2	1111.7	1246.5	1380.2	1622.5
67.5°	209.1	208.3	224.0	253.3	306.2	384.7	508.0	852.7	976.7	1128.2	1425.8
70°	144.2	145.8	155.7	187.3	231.1	298.9	362.0	535.4	624.7	727.5	1020.1
72.5°	101.3	104.7	110.1	129.0	173.8	251.7	369.8	320.1	364.6	434.7	613.4
75°	59.4	61.8	65.7	74.9	98.9	168.3	382.9	281.3	281.3	297.9	371.1
77.5°	36.7	36.7	39.0	42.7	52.6	82.4	272.7	316.1	307.3	297.9	298.6
80°	18.9	20.2	23.5	25.4	29.3	37.7	122.5	295.0	323.4	342.6	329.2
82.5°	8.7	9.7	14.4	15.4	17.0	19.9	42.1	167.7	224.8	296.0	369.8
85°	4.5	4.5	7.6	9.4	10.2	9.1	15.4	67.8	102.6	156.5	244.9
87.5°	0.7	0.7	1.3	1.6	2.3	2.1	2.6	3.9	6.5	7.1	7.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5
2.5°	245.2	245.5	245.2	244.9	244.5	244.5	244.5	244.2	244.2	244.2	243.9
5°	252.3	251.3	251.5	251.0	250.7	250.4	250.7	250.2	249.7	250.0	249.7
7.5°	261.2	260.7	259.6	259.6	259.4	258.8	258.8	258.0	257.8	257.2	257.0
10°	271.2	269.9	270.3	269.9	270.0	269.0	268.5	268.0	267.4	267.4	267.7
12.5°	281.3	281.0	280.3	279.7	279.7	279.0	279.3	279.0	278.2	278.0	277.1
15°	291.8	291.8	291.0	291.3	291.0	290.5	290.0	290.0	289.5	288.9	289.2
17.5°	304.1	304.1	304.1	304.1	304.4	303.5	303.8	303.4	302.8	303.8	303.8
20°	320.1	321.1	321.1	320.8	322.1	321.4	321.1	322.4	321.1	323.0	322.7
22.5°	338.4	339.4	339.4	340.5	340.7	341.5	342.0	341.5	342.6	343.6	343.6
25°	358.8	359.8	360.7	362.2	363.0	362.4	362.7	364.0	364.6	365.6	366.6
27.5°	380.3	380.6	381.6	383.4	384.7	385.2	385.5	387.6	387.8	388.4	389.4
30°	401.2	403.8	403.3	405.7	406.4	407.2	408.7	409.6	411.4	412.5	412.5
32.5°	425.8	425.3	427.4	429.2	430.5	431.8	433.1	434.1	435.3	435.7	438.3
35°	456.4	457.5	457.5	457.7	460.8	461.1	462.1	464.6	465.3	466.9	467.9
37.5°	486.8	484.9	484.7	484.7	483.6	484.4	484.7	484.9	486.0	486.2	487.3
40°	520.7	518.4	516.4	515.1	512.9	510.0	509.6	508.2	509.0	508.7	509.0
42.5°	567.4	560.8	555.8	552.2	548.0	544.8	542.5	539.1	536.7	533.9	533.4
45°	626.8	614.5	606.1	600.1	594.1	585.4	580.5	575.3	570.5	565.8	561.9
47.5°	704.7	691.7	678.3	667.4	658.0	644.1	630.0	622.1	612.9	604.8	599.1
50°	796.7	780.9	774.6	759.2	747.4	726.5	708.9	696.1	677.8	665.5	654.8
52.5°	890.6	886.6	883.3	870.1	856.3	844.3	828.8	806.3	787.7	773.6	751.6
55°	1018.5	1020.4	1019.1	1012.0	1007.1	995.5	989.2	969.6	961.2	940.8	917.8
57.5°	1234.0	1248.6	1267.2	1274.5	1284.5	1275.0	1286.1	1299.4	1266.1	1277.7	1256.9
60°	1509.0	1576.3	1616.3	1665.5	1697.7	1742.7	1750.8	1762.6	1759.2	1765.7	1779.1
62.5°	1677.0	1756.8	1833.5	1889.2	1948.9	1981.9	2021.7	2049.4	2078.2	2097.6	2092.1
65°	1726.4	1808.7	1878.2	1939.3	1992.6	2032.9	2069.8	2104.7	2131.1	2149.6	2160.7
67.5°	1544.8	1652.1	1725.4	1796.8	1865.7	1908.1	1939.0	1972.8	2011.5	2043.6	2050.0
70°	1162.5	1323.4	1427.4	1512.9	1593.8	1650.8	1694.1	1725.4	1755.5	1778.5	1803.6
72.5°	727.0	867.8	986.6	1097.6	1183.4	1262.0	1298.3	1367.9	1358.8	1376.3	1395.2
75°	435.7	504.3	569.8	648.0	693.0	758.4	770.2	781.7	775.7	756.1	770.7
77.5°	302.8	314.0	313.5	309.1	304.4	292.8	278.0	269.9	264.3	256.5	259.6
80°	304.7	280.3	243.2	204.4	168.8	145.2	135.8	135.8	145.5	159.3	173.2
82.5°	364.0	338.1	301.5	252.3	199.9	162.8	138.0	128.0	129.8	143.9	161.8
85°	245.5	251.3	220.4	201.5	159.6	124.3	104.2	84.6	74.9	77.2	87.4
87.5°	8.9	10.7	3.9	5.2	3.6	3.2	3.2	3.4	2.3	2.9	2.6
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5
2.5°	243.6	243.4	243.4	242.9	242.9	242.6	242.6	242.3	242.0	242.0	241.8
5°	249.4	249.1	248.7	248.4	247.8	247.8	247.5	247.1	247.1	246.5	246.2
7.5°	257.5	257.0	256.5	256.2	255.9	255.2	255.2	254.6	254.6	254.1	253.9
10°	267.2	266.7	266.1	266.4	265.7	265.4	264.8	264.8	264.1	263.8	263.8
12.5°	277.7	277.4	277.4	276.7	276.4	276.1	275.1	275.1	275.1	274.5	274.8
15°	288.9	289.2	288.4	289.2	288.9	288.1	288.1	288.1	287.1	288.4	287.4
17.5°	304.1	304.8	304.4	304.7	304.1	304.1	304.4	304.1	304.7	304.7	306.2
20°	323.0	323.2	324.5	324.0	324.0	323.7	324.3	324.5	325.6	325.0	326.0
22.5°	343.6	344.9	345.2	346.2	346.2	346.0	346.5	347.5	348.1	348.8	348.6
25°	367.2	368.0	369.0	367.7	369.8	369.8	370.3	371.6	371.9	371.9	373.7
27.5°	389.1	391.3	391.5	392.8	392.0	392.6	394.4	395.2	396.2	396.2	396.7
30°	414.0	414.8	415.4	416.9	416.7	416.9	417.1	418.4	418.4	419.8	421.1
32.5°	439.6	440.2	440.7	442.2	442.8	443.8	443.4	444.4	445.7	446.0	446.7
35°	470.3	470.8	471.4	473.7	474.0	475.8	476.3	475.8	477.9	476.6	477.9
37.5°	488.1	490.4	491.0	492.6	492.0	493.3	494.1	495.2	495.6	496.7	498.8
40°	509.8	510.6	512.2	512.9	514.0	514.2	515.3	516.1	516.8	519.3	521.6
42.5°	532.0	533.1	533.9	534.9	536.2	537.3	538.0	540.4	540.9	542.5	547.0
45°	559.0	558.5	558.7	559.0	559.5	560.8	563.2	565.6	567.1	570.8	574.4
47.5°	592.5	589.1	587.8	585.7	586.2	589.1	589.6	593.6	596.7	600.1	604.6
50°	643.3	634.1	628.7	623.1	622.6	624.2	626.2	630.4	634.1	638.5	644.8
52.5°	728.6	711.1	700.1	684.8	680.7	679.9	678.3	680.7	681.8	687.7	699.5
55°	901.3	868.8	847.9	824.4	802.4	795.8	783.3	785.9	783.3	787.0	804.5
57.5°	1262.0	1236.0	1215.6	1185.5	1147.8	1107.8	1097.9	1056.8	1064.8	1088.5	1073.2
60°	1785.6	1776.2	1761.5	1747.2	1695.5	1666.5	1619.2	1614.0	1580.7	1580.9	1559.3
62.5°	2078.7	2090.7	2081.9	2077.7	2074.8	2065.6	2042.1	2013.8	1971.5	1940.8	1895.8
65°	2162.4	2152.3	2142.6	2141.2	2140.5	2155.4	2158.8	2138.9	2100.5	2052.8	2001.0
67.5°	2064.8	2059.1	2059.6	2048.7	2055.5	2081.3	2099.4	2093.9	2058.5	2001.0	1935.1
70°	1832.5	1821.2	1832.8	1847.1	1857.3	1872.2	1890.2	1894.7	1862.5	1803.4	1736.1
72.5°	1372.1	1374.0	1384.9	1388.8	1430.0	1425.8	1442.0	1389.1	1365.9	1309.6	1275.0
75°	722.1	710.2	740.8	676.0	649.3	667.9	615.8	565.8	576.3	584.9	522.6
77.5°	255.2	238.7	210.7	199.4	166.0	140.6	114.9	103.6	97.6	94.5	90.5
80°	183.2	188.5	182.7	169.0	143.7	115.2	90.8	71.7	61.5	56.0	52.4
82.5°	185.3	206.0	215.2	211.2	188.2	142.3	94.0	59.9	44.5	37.1	34.5
85°	99.4	108.8	104.7	88.2	79.3	47.3	32.5	21.8	18.3	16.7	15.4
87.5°	3.9	3.2	2.6	2.6	2.9	3.2	2.6	2.9	2.6	2.6	2.6
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5
2.5°	241.3	241.3	241.3	241.0	240.5	239.2	237.9	236.8	236.1	235.3	234.2
5°	246.0	245.5	245.5	245.5	243.4	241.3	239.4	237.6	236.1	234.8	233.7
7.5°	253.9	253.6	252.6	252.3	250.7	247.4	245.2	242.0	240.3	238.4	237.9
10°	263.3	263.0	262.8	262.5	260.4	257.0	254.4	251.5	248.8	246.2	243.6
12.5°	274.2	274.0	273.8	272.9	272.2	270.3	267.4	264.3	261.2	255.7	252.8
15°	287.9	288.4	287.9	287.6	287.1	287.4	285.5	281.0	276.1	269.0	263.0
17.5°	306.0	305.4	305.1	306.2	306.0	307.3	306.7	300.9	293.4	282.1	271.6
20°	325.9	325.9	326.9	327.6	330.0	333.4	331.8	324.7	310.9	295.2	281.6
22.5°	349.7	350.1	351.2	350.7	354.3	359.8	360.4	350.4	332.4	310.6	291.5
25°	374.5	375.0	374.0	375.5	381.6	389.4	391.0	376.8	353.0	324.7	299.9
27.5°	398.0	398.6	398.6	400.7	406.4	419.8	421.3	405.7	374.0	337.1	306.0
30°	421.1	423.2	423.7	424.2	432.8	451.4	454.9	432.1	392.3	346.2	310.1
32.5°	450.1	450.9	452.0	453.3	463.3	486.0	486.0	454.9	404.1	352.0	310.9
35°	481.3	481.5	483.9	484.2	498.3	521.0	516.6	473.7	412.5	350.7	305.1
37.5°	500.1	501.1	503.5	506.7	521.6	553.8	543.5	490.0	414.0	342.0	292.1
40°	523.4	525.5	527.8	531.0	553.2	587.0	566.3	500.1	407.4	325.0	272.5
42.5°	548.6	551.4	555.1	560.8	587.3	616.3	583.6	501.7	392.6	306.0	249.1
45°	576.8	582.1	586.2	593.0	622.9	641.7	594.1	492.6	373.7	280.8	224.3
47.5°	609.5	613.7	621.0	628.4	658.1	659.0	595.1	474.7	348.1	255.7	197.9
50°	649.8	652.5	663.4	667.9	695.9	677.0	587.5	450.7	321.1	227.4	168.6
52.5°	703.4	707.2	721.2	728.1	747.9	701.6	576.8	424.5	290.2	195.7	138.4
55°	809.5	825.4	835.4	847.2	860.0	757.4	572.1	396.5	255.4	159.1	109.7
57.5°	1107.0	1101.8	1123.7	1150.4	1150.1	884.8	600.4	372.4	214.3	121.7	84.3
60°	1550.3	1555.3	1544.0	1560.0	1509.2	1042.9	639.1	347.0	168.0	90.5	64.4
62.5°	1879.8	1851.0	1835.1	1816.2	1704.5	1060.2	610.8	295.0	122.2	63.6	49.5
65°	1957.8	1924.0	1889.8	1853.9	1685.4	955.7	501.1	216.5	79.1	43.7	39.3
67.5°	1880.8	1826.7	1783.0	1746.1	1544.3	792.2	366.4	132.9	45.3	35.3	33.5
70°	1681.4	1621.5	1550.9	1509.5	1300.4	583.8	234.8	71.7	34.8	31.4	30.6
72.5°	1230.8	1181.6	1104.4	1057.0	933.8	354.9	131.1	40.3	32.5	30.1	29.0
75°	479.4	453.8	421.6	424.2	378.7	157.0	59.4	34.8	31.6	29.6	28.6
77.5°	82.4	80.4	74.3	74.3	84.6	57.3	39.5	35.1	31.4	29.0	27.3
80°	49.5	48.4	46.0	45.6	44.0	40.3	38.0	35.6	30.9	27.4	25.1
82.5°	32.5	31.2	30.3	30.1	32.7	35.3	35.6	35.3	29.3	23.8	20.4
85°	13.9	13.9	13.9	14.1	18.9	28.6	29.3	31.4	24.1	18.6	14.7
87.5°	2.3	2.9	2.9	3.2	3.4	6.3	7.8	10.2	8.1	7.8	7.1
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):

	165°	175°	180°
0°	240.5	240.5	240.5
2.5°	234.0	233.4	233.4
5°	233.2	232.7	232.9
7.5°	236.3	235.3	235.5
10°	242.0	241.0	240.5
12.5°	249.4	248.1	248.1
15°	257.0	253.9	253.6
17.5°	263.3	259.4	258.8
20°	270.3	265.1	264.3
22.5°	276.8	269.9	268.7
25°	281.6	272.9	271.6
27.5°	283.7	273.5	272.5
30°	285.3	273.8	272.2
32.5°	283.7	271.4	270.0
35°	275.1	261.7	260.9
37.5°	260.1	245.2	244.2
40°	240.5	224.8	222.1
42.5°	215.4	200.7	197.9
45°	191.1	174.3	173.0
47.5°	164.8	148.9	149.7
50°	137.4	123.0	122.7
52.5°	111.3	98.7	97.9
55°	87.6	78.8	78.0
57.5°	69.4	64.7	63.8
60°	56.6	54.1	53.4
62.5°	45.6	44.7	44.5
65°	38.0	38.0	38.0
67.5°	32.9	33.2	33.2
70°	30.3	30.6	30.3
72.5°	29.3	30.1	30.1
75°	28.6	29.0	28.0
77.5°	28.0	28.3	26.4
80°	27.7	27.4	24.1
82.5°	24.1	23.3	20.4
85°	22.0	16.7	14.1
87.5°	11.3	7.8	6.0
90°	0.0	0.0	0.0

(END OF REPORT)