

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-T2-7030**

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-T2-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2603.1 lumens
Efficiency: N/A
Efficacy: 105.4 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 (A_{in}): 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

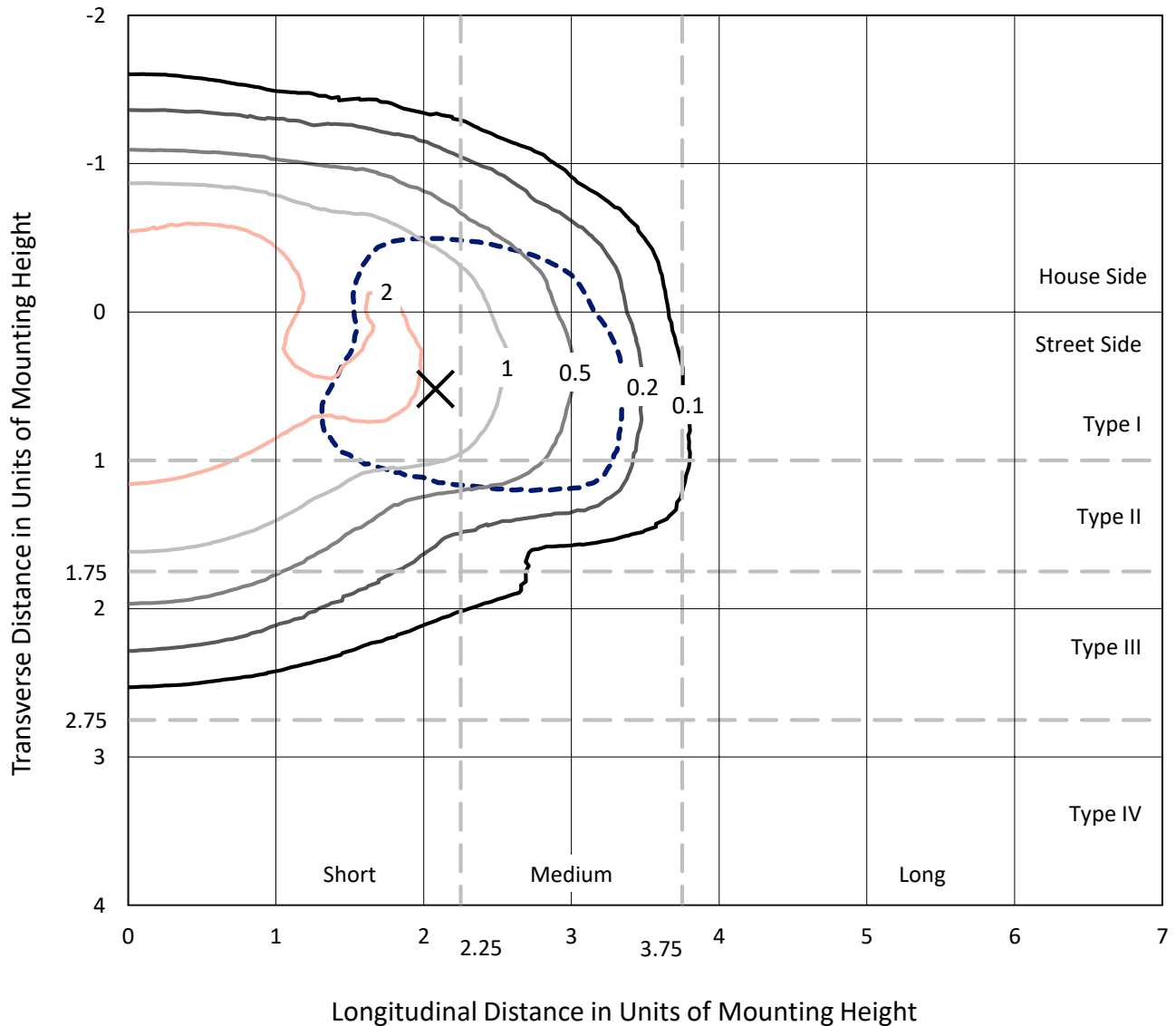


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

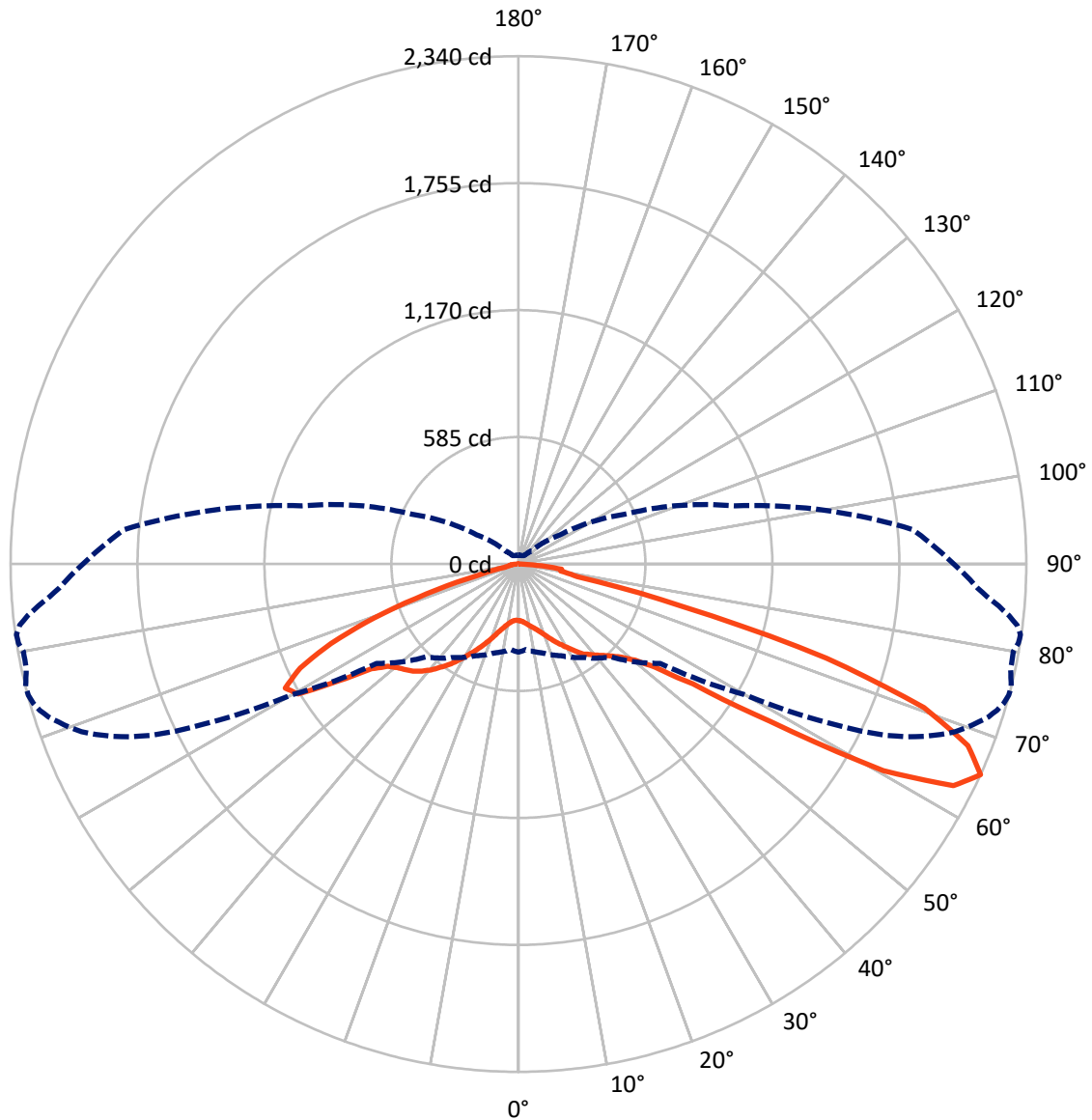


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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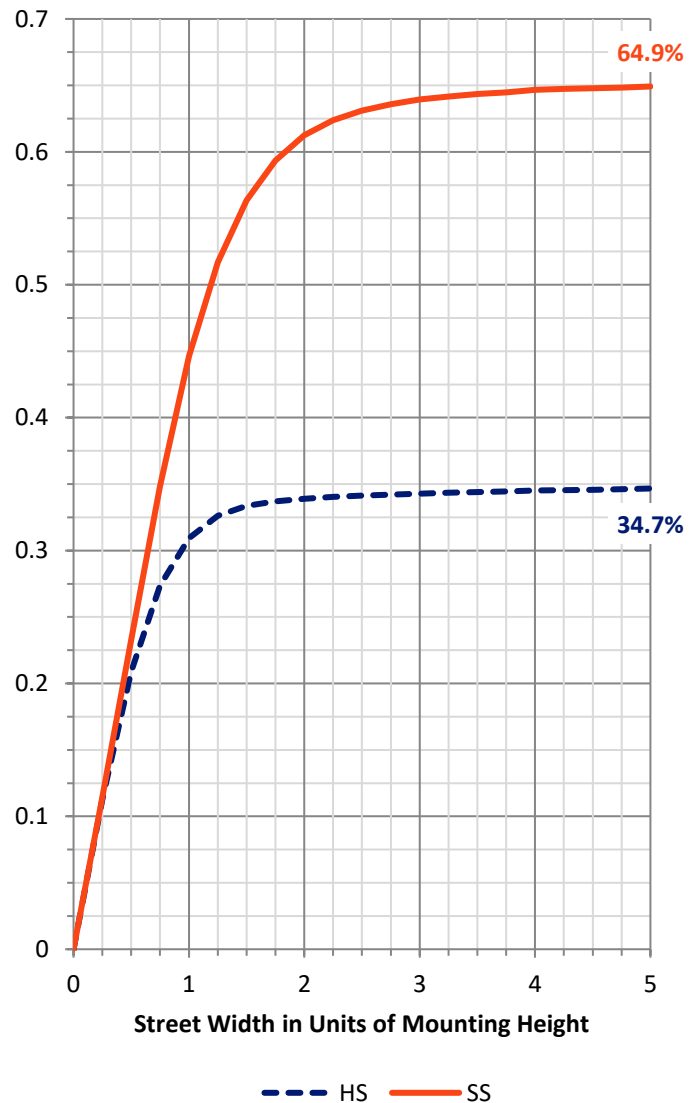
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	911.6	0.0	911.6
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1691.6	0.0	1691.6
	% Fixture	65.0	0.0	65.0
Total	Lumens	2603.1	0.0	2603.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	1.0
10°-20°	89.5	3.4
20°-30°	175.9	6.8
30°-40°	292.2	11.2
40°-50°	429.4	16.5
50°-60°	594.5	22.8
60°-70°	709.6	27.3
70°-80°	250.9	9.6
80°-90°	35.1	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°	2603.1	100.0
0°-180°	2603.1	100.0

Coefficient of Utilization



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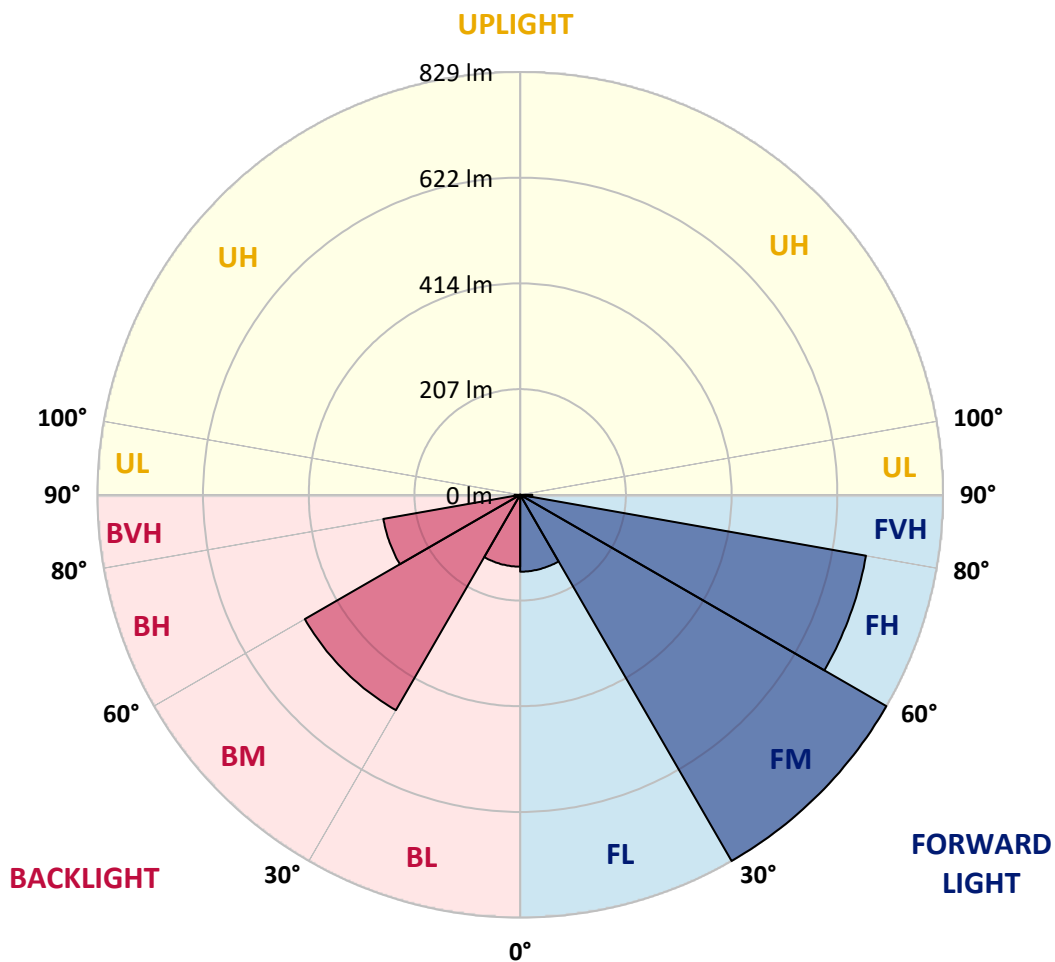
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.6	5.8			
FM (30°-60°)	828.8	31.8			
FH (60°-80°)	688.2	26.4			G1/1800
FVH (80°-90°)	24.0	0.9			G1/100
BL (0°-30°)	140.8	5.4	B1/500		
BM (30°-60°)	487.4	18.7	B1/1000		
BH (60°-80°)	272.3	10.5	B1/500		G1/500
BVH (80°-90°)	11.1	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°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	271.6	271.9	271.4	271.1	270.1	268.7	267.6	266.5	266.5	266.5	265.7
5°	283.5	284.1	282.9	282.0	279.5	278.1	276.1	274.7	274.1	273.9	273.0
7.5°	298.5	297.7	296.0	295.4	293.4	290.3	286.6	283.8	283.8	283.5	283.8
10°	313.5	311.3	310.4	309.6	306.4	302.5	298.2	295.1	294.8	294.5	293.7
12.5°	328.6	327.6	326.8	323.7	320.6	314.3	309.6	306.4	306.1	306.4	305.3
15°	348.4	346.3	345.5	340.1	333.3	326.5	320.6	317.8	316.9	317.2	316.4
17.5°	363.6	363.6	361.7	355.7	347.0	337.6	331.4	329.7	329.4	329.4	329.7
20°	375.8	375.5	373.6	368.7	358.2	348.9	345.8	345.2	344.9	344.9	345.8
22.5°	382.6	382.0	381.2	375.8	367.6	361.4	361.7	363.4	363.9	364.5	365.6
25°	386.0	385.2	384.8	381.2	375.3	374.4	379.5	384.0	385.2	386.3	387.7
27.5°	391.7	390.2	390.8	389.4	388.0	390.5	401.0	405.9	406.7	408.1	408.9
30°	407.3	406.7	408.9	409.5	410.7	414.3	424.0	428.5	430.5	430.5	434.4
32.5°	437.0	437.3	437.9	443.8	445.8	448.3	453.4	457.1	457.4	457.7	461.3
35°	476.9	478.6	483.4	488.6	493.4	493.0	490.0	491.9	490.5	492.2	492.5
37.5°	527.4	525.1	532.2	543.7	551.2	549.1	535.3	526.2	528.7	527.6	526.8
40°	566.1	568.7	582.2	597.6	603.3	609.5	591.4	575.7	573.5	569.2	566.7
42.5°	619.6	619.9	631.0	642.3	658.8	672.4	660.7	638.3	631.5	626.4	615.4
45°	669.2	668.4	677.4	691.4	710.9	730.4	734.6	710.3	707.7	698.7	684.3
47.5°	702.3	701.2	707.4	725.6	757.3	789.3	806.9	799.5	794.7	791.0	768.4
50°	724.7	722.5	729.6	748.8	784.2	833.5	879.4	885.6	883.6	883.6	869.2
52.5°	741.5	741.5	746.5	762.1	798.1	859.5	941.7	973.1	975.6	978.5	977.7
55°	732.1	733.5	746.2	768.9	806.9	877.7	993.2	1062.1	1076.2	1088.1	1101.7
57.5°	700.1	704.9	721.9	759.0	809.1	891.3	1050.4	1186.6	1226.6	1261.1	1315.0
60°	653.4	659.6	684.3	731.5	792.5	869.2	1070.5	1292.0	1355.5	1430.8	1571.3
62.5°	573.2	579.4	603.5	650.8	702.9	784.5	987.3	1307.5	1408.9	1515.7	1728.2
65°	406.1	396.2	424.0	466.4	526.2	605.2	797.8	1203.1	1348.9	1493.7	1755.9
67.5°	226.3	225.4	242.4	274.1	331.4	416.3	549.7	922.7	1056.9	1220.9	1542.9
70°	156.1	157.8	168.5	202.8	250.0	323.4	391.7	579.4	676.0	787.4	1103.9
72.5°	109.6	113.3	119.3	139.6	188.1	272.5	400.2	346.3	394.5	470.4	663.8
75°	64.3	66.9	71.1	81.0	107.1	182.1	414.3	304.5	304.5	322.3	401.6
77.5°	39.6	39.6	42.2	46.1	56.9	89.2	295.1	342.1	332.5	322.3	323.2
80°	20.4	21.8	25.5	27.4	31.7	40.7	132.6	319.2	350.0	370.7	356.3
82.5°	9.3	10.5	15.5	16.7	18.4	21.5	45.6	181.6	243.3	320.3	400.2
85°	4.8	4.8	8.2	10.2	11.1	10.0	16.7	73.4	111.0	169.4	265.1
87.5°	0.8	0.8	1.4	1.7	2.5	2.2	2.8	4.3	7.1	7.6	7.9
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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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	265.4	265.7	265.4	265.1	264.6	264.6	264.6	264.3	264.3	264.3	263.9
5°	273.0	271.9	272.2	271.6	271.4	271.1	271.4	270.8	270.1	270.4	270.1
7.5°	282.6	282.0	280.9	280.9	280.7	280.1	280.1	279.3	279.0	278.4	278.1
10°	293.4	292.0	292.6	292.0	292.3	291.2	290.6	290.0	289.4	289.4	289.8
12.5°	304.5	304.2	303.4	302.8	302.8	301.9	302.1	301.9	301.0	300.7	299.9
15°	315.8	315.8	314.9	315.3	314.9	314.3	313.8	313.8	313.2	312.7	312.9
17.5°	329.1	329.1	329.1	329.1	329.4	328.6	328.8	328.3	327.6	328.8	328.8
20°	346.3	347.5	347.5	347.3	348.7	347.8	347.5	348.9	347.5	349.5	349.2
22.5°	366.2	367.4	367.4	368.5	368.7	369.6	370.1	369.6	370.7	371.8	371.8
25°	388.3	389.4	390.2	392.0	392.8	392.3	392.6	394.0	394.5	395.6	396.7
27.5°	411.5	411.8	412.9	414.9	416.3	416.9	417.2	419.4	419.7	420.3	421.4
30°	434.1	437.0	436.5	439.0	439.8	440.7	442.4	443.3	445.2	446.3	446.3
32.5°	460.7	460.2	462.5	464.5	465.9	467.3	468.7	469.9	471.0	471.5	474.4
35°	494.0	495.1	495.1	495.4	498.7	499.0	500.2	502.7	503.5	505.2	506.4
37.5°	526.8	524.7	524.5	524.5	523.4	524.2	524.5	524.7	526.0	526.2	527.4
40°	563.6	561.0	558.8	557.4	555.1	552.0	551.4	550.0	550.9	550.6	550.9
42.5°	614.0	606.9	601.6	597.6	593.0	589.7	587.1	583.4	580.8	577.8	577.2
45°	678.3	664.9	655.9	649.4	642.9	633.6	628.2	622.5	617.4	612.3	608.1
47.5°	762.7	748.6	734.1	722.1	712.0	697.0	681.7	673.2	663.3	654.5	648.3
50°	862.1	845.1	838.3	821.6	808.8	786.2	767.3	753.3	733.5	720.2	708.6
52.5°	963.7	959.5	955.8	941.7	926.7	913.7	896.9	872.6	852.5	837.2	813.4
55°	1102.2	1104.3	1102.8	1095.2	1089.8	1077.3	1070.5	1049.3	1040.2	1018.1	993.2
57.5°	1335.4	1351.2	1371.3	1379.3	1390.0	1379.8	1391.7	1406.1	1370.1	1382.6	1360.3
60°	1633.0	1705.8	1749.1	1802.3	1837.2	1885.9	1894.7	1907.5	1903.7	1910.8	1925.3
62.5°	1814.8	1901.2	1984.2	2044.5	2109.0	2144.8	2187.8	2217.8	2248.9	2270.0	2264.0
65°	1868.4	1957.3	2032.6	2098.6	2156.4	2200.0	2239.9	2277.6	2306.2	2326.3	2338.2
67.5°	1671.8	1787.9	1867.2	1944.6	2019.0	2064.8	2098.3	2134.8	2176.8	2211.6	2218.4
70°	1258.1	1432.2	1544.7	1637.2	1724.8	1786.5	1833.2	1867.2	1899.8	1924.7	1951.9
72.5°	786.8	939.2	1067.7	1187.8	1280.7	1365.7	1405.0	1480.4	1470.4	1489.4	1509.8
75°	471.5	545.8	616.6	701.2	750.0	820.7	833.5	846.0	839.4	818.2	834.1
77.5°	327.6	339.8	339.3	334.5	329.4	316.9	300.7	292.0	286.0	277.6	280.9
80°	329.7	303.4	263.1	221.2	182.7	157.2	147.0	147.0	157.5	172.5	187.4
82.5°	394.0	365.9	326.2	273.0	216.4	176.2	149.2	138.5	140.5	155.7	175.1
85°	265.7	271.9	238.4	218.0	172.7	134.5	112.7	91.4	81.0	83.5	94.6
87.5°	9.7	11.6	4.3	5.7	4.0	3.4	3.4	3.7	2.5	3.1	2.8
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	263.6	263.4	263.4	262.8	262.8	262.5	262.5	262.2	262.0	262.0	261.7
5°	269.9	269.6	269.0	268.7	268.2	268.2	267.9	267.4	267.4	266.8	266.5
7.5°	278.7	278.1	277.6	277.3	277.0	276.1	276.1	275.5	275.5	275.0	274.7
10°	289.1	288.6	288.0	288.3	287.4	287.2	286.6	286.6	285.8	285.5	285.5
12.5°	300.5	300.2	300.2	299.4	299.1	298.8	297.7	297.7	297.7	297.1	297.4
15°	312.7	312.9	312.1	312.9	312.7	311.8	311.8	311.8	310.7	312.1	311.0
17.5°	329.1	330.0	329.4	329.7	329.1	329.1	329.4	329.1	329.7	329.7	331.4
20°	349.5	349.8	351.2	350.6	350.6	350.3	350.9	351.2	352.3	351.7	352.8
22.5°	371.8	373.3	373.6	374.7	374.7	374.4	375.0	376.1	376.7	377.5	377.2
25°	397.3	398.2	399.4	398.0	400.2	400.2	400.7	402.1	402.4	402.4	404.5
27.5°	421.1	423.4	423.7	425.1	424.3	424.8	426.8	427.6	428.7	428.7	429.3
30°	448.0	448.9	449.5	451.2	450.9	451.2	451.4	452.8	452.8	454.2	455.7
32.5°	475.8	476.4	476.9	478.6	479.2	480.3	479.7	480.9	482.3	482.6	483.4
35°	508.9	509.5	510.0	512.7	512.9	514.9	515.4	514.9	517.1	515.7	517.1
37.5°	528.2	530.7	531.3	533.0	532.5	533.9	534.7	535.8	536.4	537.5	539.8
40°	551.7	552.6	554.2	555.1	556.2	556.5	557.7	558.5	559.4	561.9	564.5
42.5°	575.7	576.9	577.8	578.9	580.3	581.4	582.2	584.8	585.4	587.1	591.9
45°	604.9	604.4	604.7	604.9	605.5	606.9	609.5	612.0	613.7	617.7	621.7
47.5°	641.2	637.5	636.1	633.9	634.4	637.5	638.1	642.3	645.7	649.4	654.2
50°	696.1	686.2	680.3	674.3	673.8	675.4	677.7	682.2	686.2	691.1	697.9
52.5°	788.5	769.5	757.6	741.1	736.7	735.8	734.1	736.7	737.8	744.3	757.0
55°	975.4	940.3	917.6	892.1	868.3	861.2	847.6	850.5	847.6	851.6	870.6
57.5°	1365.7	1337.6	1315.5	1283.0	1242.1	1198.8	1188.1	1143.6	1152.4	1177.9	1161.4
60°	1932.4	1922.2	1906.3	1890.7	1834.9	1803.5	1752.2	1746.5	1710.6	1710.9	1687.4
62.5°	2249.5	2262.6	2252.9	2248.4	2245.3	2235.4	2209.9	2179.3	2133.4	2100.3	2051.5
65°	2340.2	2329.1	2318.6	2317.2	2316.4	2332.6	2336.2	2314.7	2273.0	2221.5	2165.4
67.5°	2234.5	2228.3	2228.9	2216.9	2224.4	2252.4	2271.9	2266.0	2227.7	2165.4	2094.1
70°	1983.1	1970.9	1983.4	1998.9	2010.0	2026.1	2045.6	2050.4	2015.6	1951.6	1878.8
72.5°	1484.8	1486.9	1498.8	1503.0	1547.5	1542.9	1560.5	1503.3	1478.1	1417.2	1379.8
75°	781.4	768.7	801.8	731.5	702.6	722.8	666.4	612.3	623.6	632.9	565.6
77.5°	276.1	258.3	228.0	215.8	179.5	152.1	124.4	112.2	105.7	102.2	98.0
80°	198.2	203.9	197.7	183.0	155.4	124.7	98.2	77.6	66.5	60.7	56.7
82.5°	200.6	222.9	232.8	228.6	203.6	154.0	101.7	64.8	48.2	40.2	37.4
85°	107.6	117.9	113.3	95.4	85.8	51.3	35.2	23.5	19.8	18.1	16.7
87.5°	4.3	3.4	2.8	2.8	3.1	3.4	2.8	3.1	2.8	2.8	2.8
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	261.1	261.1	261.1	260.8	260.3	258.9	257.4	256.3	255.4	254.6	253.5
5°	266.2	265.7	265.7	265.7	263.4	261.1	259.2	257.1	255.4	254.0	252.9
7.5°	274.7	274.4	273.3	273.0	271.4	267.6	265.4	262.0	260.0	258.0	257.4
10°	284.9	284.7	284.4	284.1	281.8	278.1	275.3	272.2	269.3	266.5	263.6
12.5°	296.8	296.6	296.3	295.4	294.5	292.6	289.4	286.0	282.6	276.7	273.6
15°	311.5	312.1	311.5	311.3	310.7	311.0	309.0	304.2	298.8	291.2	284.7
17.5°	331.1	330.5	330.2	331.4	331.1	332.5	331.9	325.7	317.5	305.3	294.0
20°	352.6	352.6	353.8	354.6	357.1	360.8	359.1	351.4	336.5	319.4	304.7
22.5°	378.3	379.0	380.1	379.5	383.4	389.4	390.0	379.3	359.7	336.2	315.5
25°	405.3	405.9	404.7	406.4	412.9	421.4	423.1	407.8	382.0	351.4	324.6
27.5°	430.8	431.4	431.4	433.6	439.8	454.2	456.0	439.0	404.7	364.7	331.1
30°	455.7	458.0	458.5	459.1	468.5	488.6	492.2	467.5	424.6	374.7	335.6
32.5°	487.2	488.0	489.1	490.5	501.3	526.0	526.0	492.2	437.3	380.9	336.5
35°	520.8	521.1	523.6	523.9	539.3	563.9	559.1	512.7	446.3	379.5	330.2
37.5°	541.2	542.3	544.9	548.3	564.5	599.3	588.2	530.1	448.0	370.1	316.1
40°	566.4	568.7	571.3	574.6	598.7	635.3	612.8	541.2	440.9	351.7	294.8
42.5°	593.6	596.7	600.7	606.9	635.5	667.0	631.5	542.9	424.8	331.1	269.6
45°	624.2	629.9	634.4	641.8	674.1	694.4	642.9	533.0	404.5	303.9	242.7
47.5°	659.6	664.1	672.1	680.0	712.3	713.1	644.0	513.8	376.7	276.7	214.1
50°	703.2	706.1	718.0	722.8	753.0	732.7	635.8	487.7	347.5	246.1	182.4
52.5°	761.3	765.2	780.6	787.9	809.4	759.3	624.2	459.4	314.0	211.8	149.9
55°	876.0	893.2	904.0	916.7	930.6	819.6	619.1	429.0	276.4	172.2	118.7
57.5°	1198.0	1192.3	1216.1	1245.0	1244.8	957.5	649.7	403.0	231.9	131.7	91.2
60°	1677.8	1683.1	1671.0	1688.2	1633.3	1128.6	691.6	375.5	181.9	98.0	69.7
62.5°	2034.3	2003.2	1985.9	1965.5	1844.6	1147.3	661.0	319.2	132.3	68.8	53.5
65°	2118.7	2082.2	2045.0	2006.2	1823.9	1034.3	542.3	234.2	85.5	47.3	42.5
67.5°	2035.5	1976.8	1929.5	1889.6	1671.3	857.3	396.5	143.9	49.0	38.2	36.3
70°	1819.6	1754.8	1678.3	1633.6	1407.3	631.8	254.0	77.6	37.7	34.0	33.1
72.5°	1331.9	1278.7	1195.2	1143.9	1010.5	384.0	141.9	43.6	35.2	32.6	31.4
75°	518.9	491.1	456.3	459.1	409.8	170.0	64.3	37.7	34.2	32.0	30.9
77.5°	89.2	87.0	80.5	80.5	91.4	62.0	42.8	38.0	34.0	31.4	29.5
80°	53.5	52.4	49.9	49.3	47.5	43.6	41.0	38.5	33.4	29.8	27.2
82.5°	35.2	33.7	32.8	32.6	35.4	38.2	38.5	38.2	31.7	25.8	22.0
85°	15.0	15.0	15.0	15.3	20.4	30.9	31.7	34.0	26.0	20.1	15.8
87.5°	2.5	3.1	3.1	3.4	3.7	6.8	8.5	11.1	8.7	8.5	7.6
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°	175°	180°
0°	260.3	260.3	260.3
2.5°	253.2	252.7	252.7
5°	252.4	251.8	252.1
7.5°	255.7	254.6	254.9
10°	262.0	260.8	260.3
12.5°	269.9	268.5	268.5
15°	278.1	274.7	274.4
17.5°	284.9	280.7	280.1
20°	292.6	286.9	286.0
22.5°	299.6	292.0	290.9
25°	304.7	295.4	294.0
27.5°	307.0	296.0	294.8
30°	308.7	296.3	294.5
32.5°	307.0	293.7	292.3
35°	297.7	283.3	282.3
37.5°	281.5	265.4	264.3
40°	260.3	243.3	240.5
42.5°	233.1	217.2	214.1
45°	206.7	188.7	187.2
47.5°	178.4	161.1	162.0
50°	148.7	133.1	132.8
52.5°	120.4	106.8	106.0
55°	94.9	85.2	84.4
57.5°	75.1	70.0	69.1
60°	61.2	58.6	57.8
62.5°	49.3	48.5	48.2
65°	41.0	41.0	41.0
67.5°	35.7	36.0	36.0
70°	32.8	33.1	32.8
72.5°	31.7	32.6	32.6
75°	30.9	31.4	30.3
77.5°	30.3	30.6	28.6
80°	30.0	29.8	26.0
82.5°	26.0	25.2	22.0
85°	23.8	18.1	15.3
87.5°	12.2	8.5	6.5
90°	0.0	0.0	0.0

(END OF REPORT)