

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: P181168

Luminaire Tested: **ICM-F02-LED-E1-T2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181168
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F02-LED-E1-T2-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2459.4 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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

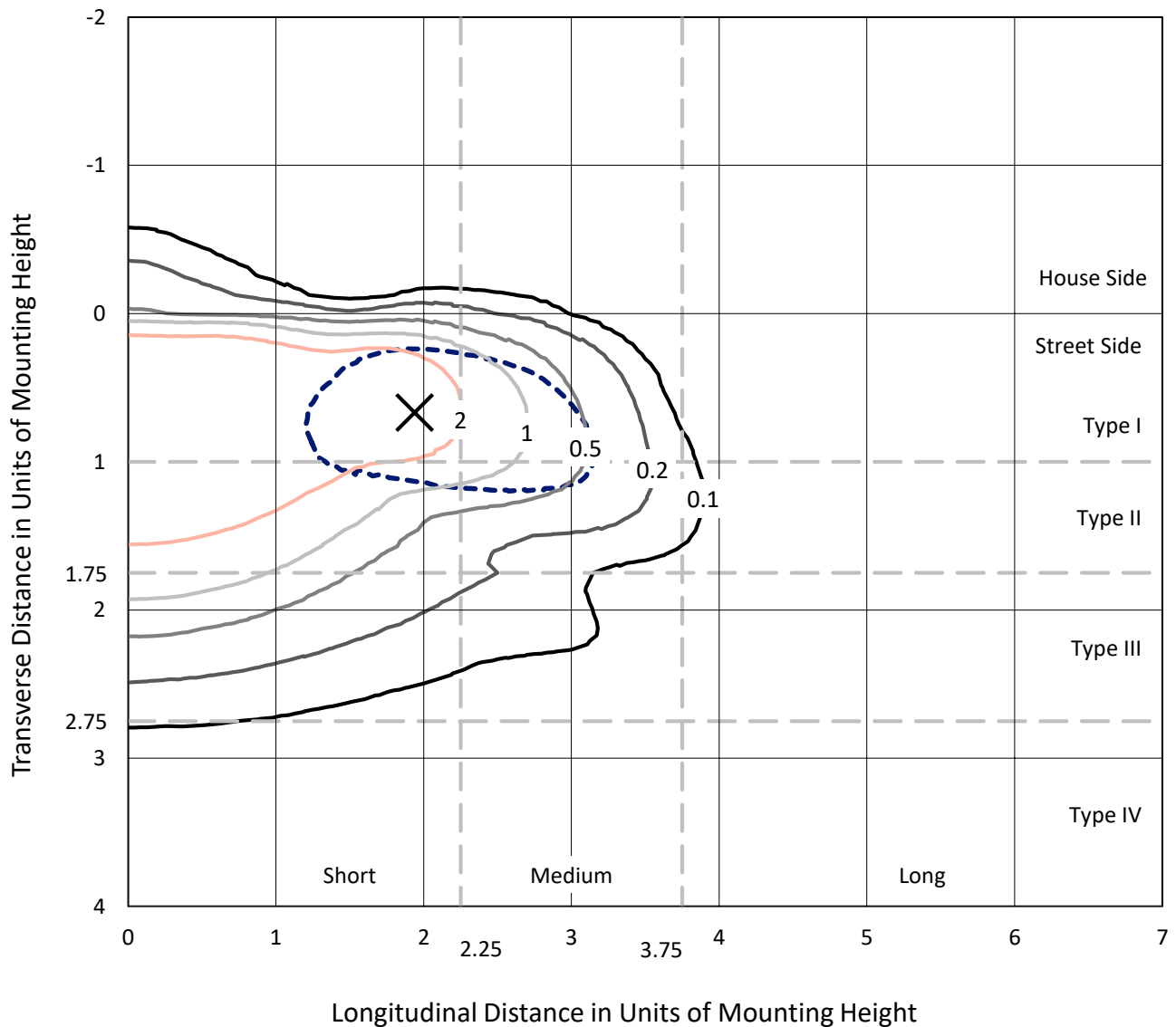


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

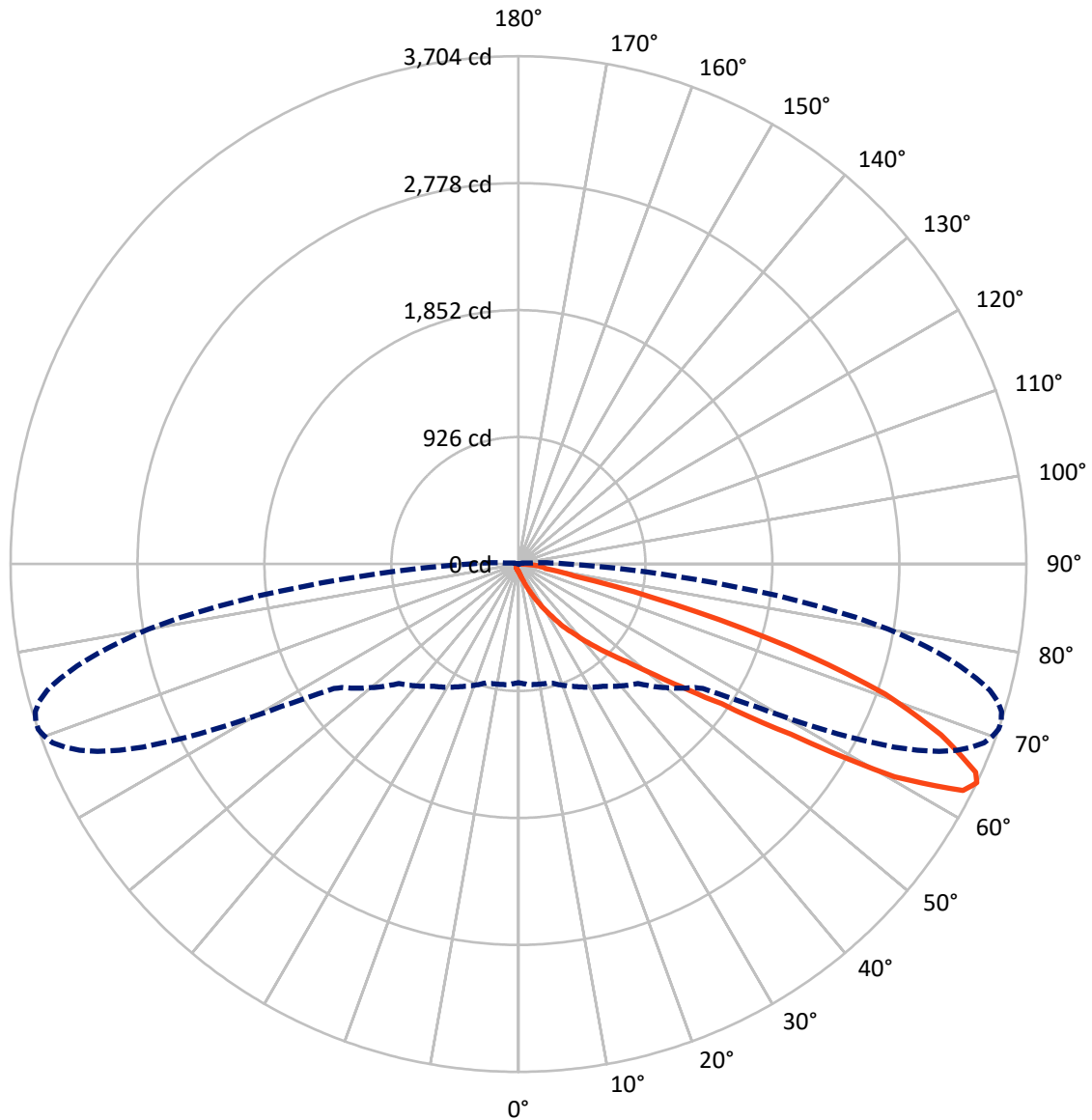


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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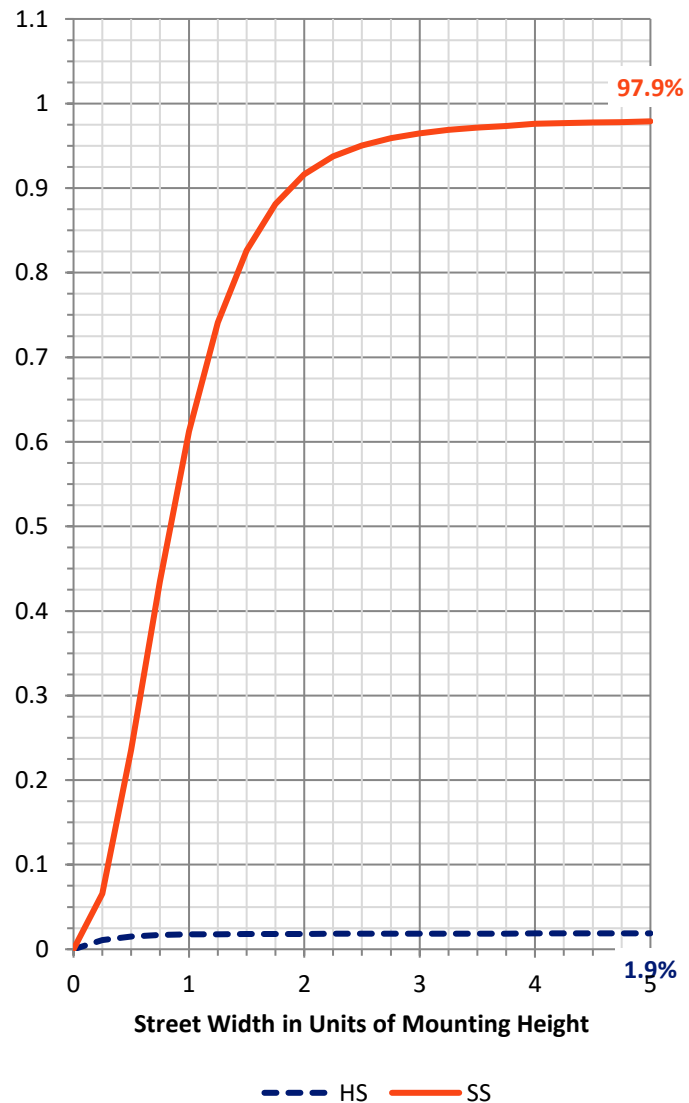
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.1	0.0	47.1
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2412.3	0.0	2412.3
	% Fixture	98.1	0.0	98.1
Total	Lumens	2459.4	0.0	2459.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.3
10°-20°	44.5	1.8
20°-30°	113.6	4.6
30°-40°	229.7	9.3
40°-50°	419.9	17.1
50°-60°	654.3	26.6
60°-70°	727.2	29.6
70°-80°	237.2	9.6
80°-90°	25.5	1.0
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°	2459.4	100.0
0°-180°	2459.4	100.0



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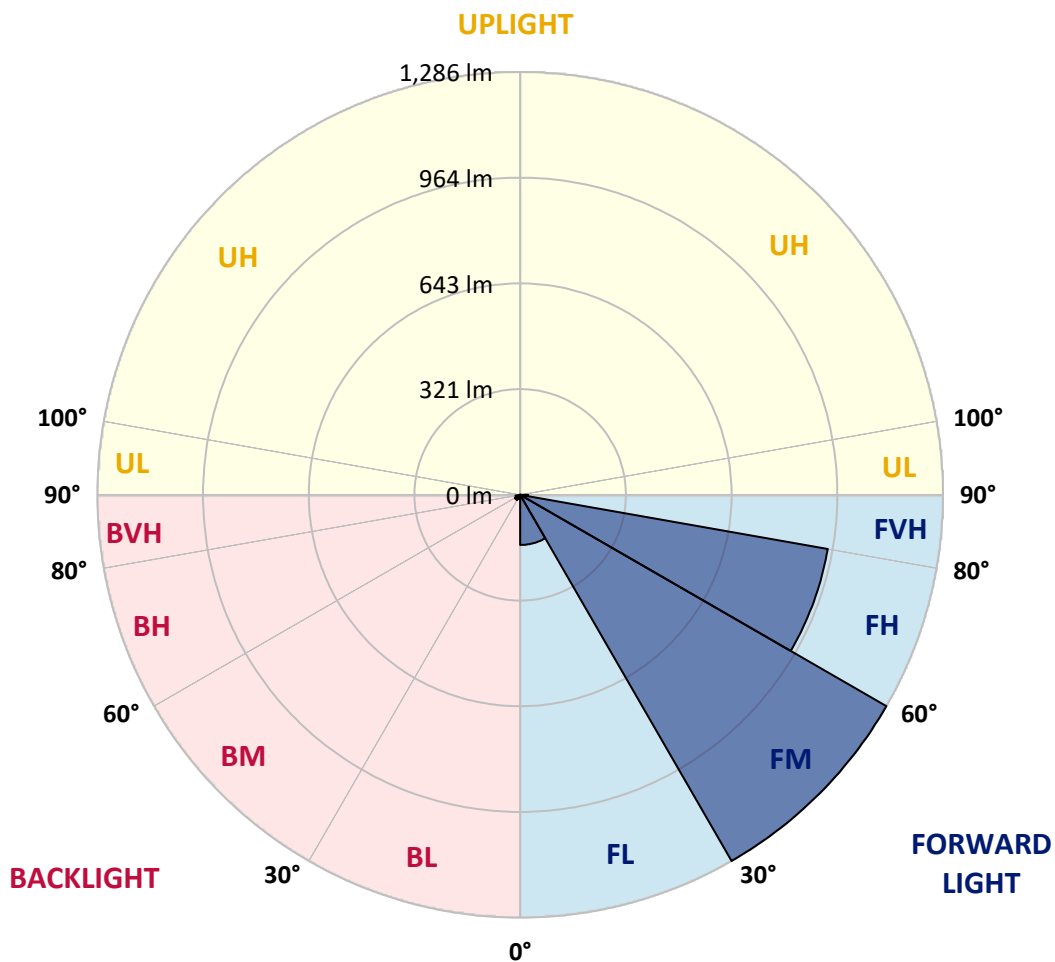
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.5	6.2			
FM (30°-60°)	1285.7	52.3			
FH (60°-80°)	949.8	38.6			G1/1800
FVH (80°-90°)	24.3	1.0			G1/100
BL (0°-30°)	13.1	0.5	B0/110		
BM (30°-60°)	18.2	0.7	B0/220		
BH (60°-80°)	14.5	0.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	73.8	72.7	72.7	71.2	69.1	67.1	65.0	64.5	64.0	63.4	63.4
5°	115.7	111.6	110.0	104.5	97.3	88.6	80.9	78.9	78.9	77.3	76.3
7.5°	181.8	179.7	168.9	163.3	146.4	125.4	103.4	101.4	100.8	98.8	95.7
10°	266.2	262.1	254.4	238.0	207.4	171.0	139.7	134.6	131.1	127.0	122.9
12.5°	350.7	345.6	334.3	307.7	276.9	230.4	180.2	175.6	170.0	164.4	157.7
15°	435.2	431.5	414.1	387.5	347.6	291.8	228.4	220.2	215.5	204.3	199.2
17.5°	508.4	503.7	490.0	459.7	418.2	356.8	281.6	271.4	263.6	257.0	244.7
20°	571.8	567.3	554.0	528.8	482.2	421.9	338.9	333.8	320.0	309.8	302.6
22.5°	610.8	609.2	600.6	576.5	535.0	481.2	404.5	396.3	387.1	373.2	365.0
25°	634.8	633.3	628.2	611.3	583.1	543.7	476.7	466.4	458.2	446.0	435.6
27.5°	659.9	658.9	654.8	639.9	625.1	600.6	549.9	544.2	526.3	519.2	509.4
30°	701.4	696.7	700.4	693.2	674.2	658.9	623.5	615.4	607.7	595.4	586.7
32.5°	767.4	759.7	767.4	759.7	751.5	733.1	699.4	696.7	689.1	681.4	669.1
35°	848.3	845.2	851.4	858.1	851.4	826.8	785.9	778.1	775.1	762.8	758.2
37.5°	929.7	935.4	946.6	961.5	957.4	939.4	881.6	874.4	868.7	858.1	849.9
40°	1017.2	1017.8	1041.9	1063.4	1074.1	1063.4	987.1	981.4	973.8	958.4	956.4
42.5°	1112.5	1108.4	1126.3	1150.3	1172.4	1187.3	1126.3	1115.5	1104.8	1087.4	1075.6
45°	1196.9	1196.9	1211.3	1233.8	1267.6	1304.9	1273.2	1262.0	1251.7	1237.4	1224.1
47.5°	1259.4	1259.9	1268.7	1301.4	1354.1	1410.0	1411.0	1413.0	1405.3	1388.4	1388.9
50°	1303.4	1297.8	1309.6	1341.3	1402.2	1489.8	1552.8	1556.4	1562.5	1548.7	1552.8
52.5°	1335.7	1333.1	1340.8	1367.5	1428.4	1535.4	1668.9	1684.4	1693.6	1695.6	1712.5
55°	1318.8	1320.4	1338.8	1377.1	1442.7	1565.6	1767.8	1792.8	1814.3	1832.8	1853.8
57.5°	1263.0	1267.6	1299.8	1359.7	1445.8	1590.1	1872.8	1911.2	1951.5	2000.8	2042.2
60°	1174.0	1184.7	1228.2	1312.1	1416.1	1557.9	1904.0	1962.8	2024.8	2099.5	2183.0
62.5°	1043.4	1045.4	1074.1	1155.4	1270.1	1386.3	1760.7	1835.9	1917.8	2025.8	2142.5
64°	864.7	883.2	896.5	986.1	1088.4	1233.3	1571.2	1623.5	1737.6	1870.2	2017.1
65°	713.7	735.7	746.4	836.0	953.3	1091.4	1406.3	1462.1	1582.4	1717.1	1900.4
67.5°	420.8	406.0	437.2	490.0	588.3	752.1	948.7	991.2	1080.8	1240.9	1387.4
70°	271.4	271.4	300.0	353.8	444.9	570.3	651.7	633.8	652.7	714.7	818.1
72.5°	174.0	183.3	200.7	246.2	330.7	478.1	666.1	581.6	537.6	517.1	516.1
75°	79.3	84.5	103.4	130.5	176.7	311.8	671.7	634.8	594.4	555.4	525.3
77.5°	16.9	19.4	32.7	67.5	86.0	143.8	476.7	531.9	575.9	588.7	588.7
80°	8.7	9.2	13.9	31.7	36.8	48.7	183.8	241.7	298.0	372.2	450.0
82.5°	3.6	4.1	8.2	14.3	15.3	14.9	48.7	61.4	84.5	122.9	183.3
85°	1.0	1.0	3.6	5.7	8.2	6.7	10.8	12.3	15.9	23.1	44.0
87.5°	0.0	0.0	0.6	1.0	1.6	2.6	3.1	3.1	3.1	3.1	3.1
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	63.0	63.0	62.4	62.0	62.0	60.9	60.9	60.4	60.4	59.9	59.9
5°	75.8	74.8	73.8	72.2	71.6	70.6	69.6	68.6	67.5	67.1	66.0
7.5°	94.2	93.2	90.1	88.1	85.5	84.0	82.0	80.4	78.9	77.9	75.8
10°	118.8	115.2	113.7	106.5	104.9	101.4	98.3	96.3	92.2	89.6	87.1
12.5°	153.6	147.0	144.4	132.1	128.5	123.3	119.8	114.7	110.0	107.0	102.4
15°	193.0	187.9	178.1	165.9	159.3	153.6	144.8	140.7	134.6	128.0	121.3
17.5°	240.1	230.9	220.2	204.3	196.1	187.3	179.2	170.5	160.3	154.1	147.0
20°	294.9	285.1	271.8	251.9	242.1	233.5	219.1	212.9	200.7	188.4	179.2
22.5°	354.8	345.0	332.3	309.8	296.9	282.6	270.8	260.1	245.8	233.5	222.7
25°	422.3	411.1	401.4	375.3	359.4	344.6	331.7	312.8	300.6	286.1	271.4
27.5°	499.2	485.9	473.0	444.4	429.5	413.1	397.8	377.9	366.0	342.5	328.7
30°	578.0	561.6	548.3	519.2	505.8	488.9	467.9	450.0	430.0	414.1	391.6
32.5°	660.9	647.6	636.8	606.1	589.3	568.3	549.3	530.4	513.0	487.4	466.9
35°	749.5	737.8	726.0	699.4	684.5	668.7	647.1	624.1	600.0	573.4	555.0
37.5°	842.7	833.5	824.3	792.0	774.6	757.7	733.1	710.1	688.6	660.5	629.2
40°	940.5	931.7	916.9	890.3	871.8	856.5	834.0	812.5	783.3	752.1	724.4
42.5°	1063.4	1044.4	1031.6	1002.4	983.0	966.1	946.1	913.9	889.3	851.9	825.3
45°	1207.2	1189.3	1168.3	1138.6	1114.5	1086.9	1058.7	1036.8	1006.0	972.2	937.9
47.5°	1368.9	1354.6	1330.1	1300.8	1276.8	1249.2	1215.9	1187.7	1150.3	1111.0	1064.4
50°	1547.2	1532.3	1515.9	1483.2	1459.1	1432.9	1406.9	1373.6	1339.8	1292.7	1244.6
52.5°	1712.5	1715.5	1705.9	1690.5	1678.7	1651.5	1627.5	1595.7	1566.1	1523.1	1485.7
55°	1875.8	1902.4	1912.7	1927.5	1932.7	1910.6	1910.2	1863.5	1845.6	1820.5	1799.0
57.5°	2091.4	2150.2	2196.9	2286.9	2324.8	2363.2	2370.3	2337.6	2371.4	2327.8	2342.7
60°	2274.6	2382.6	2498.3	2731.3	2848.0	2936.1	3006.7	3058.9	3092.8	3150.1	3153.1
62.5°	2291.0	2460.9	2637.1	2977.0	3136.8	3270.3	3397.9	3486.9	3557.6	3622.6	3638.4
64°	2212.7	2423.1	2637.1	3048.2	3211.5	3359.9	3476.2	3564.8	3637.0	3677.4	3704.0
65°	2070.3	2305.9	2552.1	3001.1	3169.5	3327.2	3438.3	3527.4	3595.5	3635.9	3663.6
67.5°	1533.8	1761.7	2008.9	2531.6	2796.9	2941.2	3083.6	3208.4	3263.2	3314.4	3324.1
70°	934.8	1100.2	1270.7	1755.5	2001.8	2261.3	2421.6	2604.3	2732.3	2811.2	2837.2
72.5°	564.2	621.5	723.4	984.0	1220.0	1402.2	1623.9	1798.5	1941.9	2021.2	2061.1
75°	502.2	495.1	508.4	616.9	700.8	810.4	890.8	1000.4	1088.9	1116.6	1168.3
77.5°	580.6	560.1	539.1	518.6	514.5	504.3	487.9	492.0	453.1	415.7	416.7
80°	517.1	566.2	595.4	573.9	525.3	476.1	415.7	340.5	266.2	220.2	200.7
82.5°	259.5	369.1	474.6	579.0	571.8	528.4	461.8	379.4	293.9	225.8	180.2
85°	79.9	141.8	199.6	277.5	322.0	315.9	277.5	269.8	192.5	150.0	115.7
87.5°	3.6	3.6	3.6	3.1	3.6	3.6	3.6	4.1	4.1	4.7	4.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	59.9	59.3	58.9	58.3	58.3	58.3	57.9	57.9	57.3	57.3	56.8
5°	66.0	65.0	64.5	63.4	63.4	62.4	62.0	61.4	60.4	59.9	59.3
7.5°	74.2	73.2	71.6	70.1	69.6	68.1	66.5	65.5	64.5	63.4	62.4
10°	85.0	83.0	79.9	77.9	76.3	74.2	72.2	70.6	68.6	66.5	65.5
12.5°	98.8	94.7	91.6	88.1	85.0	82.0	78.3	76.3	74.2	71.2	69.1
15°	114.7	110.6	107.0	100.8	95.7	91.6	88.6	84.0	80.4	76.3	73.2
17.5°	141.8	131.1	123.9	117.8	112.7	104.9	98.8	93.7	89.1	84.0	80.4
20°	168.5	159.3	149.5	142.3	131.1	124.4	116.2	109.0	100.8	94.7	88.6
22.5°	207.4	195.5	183.3	172.6	157.2	148.0	137.2	128.0	117.8	107.5	100.8
25°	256.5	239.1	222.7	207.4	193.0	179.2	165.4	150.5	139.7	127.4	116.2
27.5°	308.2	288.7	272.8	252.9	234.5	217.6	200.2	184.3	165.9	150.0	136.7
30°	373.2	346.6	328.2	304.1	285.7	262.1	240.7	219.6	197.1	178.7	159.7
32.5°	439.3	421.3	390.1	369.7	342.0	313.9	291.3	267.3	239.6	215.5	192.5
35°	526.3	495.5	469.5	440.8	410.6	381.4	352.2	318.0	289.8	260.1	231.9
37.5°	603.1	571.8	541.7	504.3	470.0	439.3	403.9	368.1	334.8	299.5	265.7
40°	692.2	653.2	617.4	582.6	540.1	503.7	466.9	422.3	384.0	345.0	305.1
42.5°	789.4	750.1	707.5	667.6	621.0	576.5	530.9	486.3	443.4	396.3	349.7
45°	895.9	854.4	806.9	761.3	710.6	661.5	607.2	556.0	505.3	452.6	398.8
47.5°	1028.0	974.8	930.7	873.9	811.0	759.3	692.7	634.3	576.5	515.1	454.6
50°	1199.0	1138.6	1075.1	1012.1	942.5	876.9	803.3	734.1	656.8	588.3	519.2
52.5°	1425.8	1380.8	1307.0	1234.8	1149.9	1066.4	965.0	875.4	776.1	688.6	604.1
55°	1747.8	1718.2	1654.1	1575.3	1501.0	1379.2	1262.5	1123.3	994.2	868.3	749.5
57.5°	2330.9	2298.7	2227.5	2208.6	2094.4	2004.8	1868.1	1687.9	1469.3	1276.8	1084.8
60°	3170.5	3107.6	3038.0	3025.1	2891.0	2796.9	2661.1	2469.1	2263.4	1956.2	1694.6
62.5°	3639.5	3620.6	3564.2	3495.1	3378.9	3239.2	3086.6	2900.8	2691.8	2422.6	2111.3
64°	3702.4	3685.0	3636.4	3558.6	3441.9	3303.2	3134.2	2948.9	2739.5	2493.8	2209.6
65°	3663.1	3638.4	3597.0	3525.3	3416.8	3283.6	3113.7	2925.8	2713.4	2476.9	2212.7
67.5°	3345.1	3333.9	3296.0	3229.4	3161.3	3041.5	2892.0	2724.1	2550.5	2316.1	2099.5
70°	2840.3	2832.1	2784.0	2757.4	2644.8	2569.0	2448.2	2316.1	2162.5	1999.2	1814.9
72.5°	2105.7	2078.1	2039.1	1998.7	1922.4	1818.4	1724.3	1583.5	1504.1	1366.4	1262.5
75°	1116.6	1099.2	1038.8	954.3	860.1	811.4	713.7	626.1	556.5	525.3	450.0
77.5°	386.0	351.7	318.0	280.0	222.2	175.1	139.7	111.6	88.1	77.9	65.0
80°	192.5	182.8	172.0	150.5	126.4	101.9	79.9	63.0	51.7	44.0	39.4
82.5°	156.2	138.2	123.3	108.0	86.5	71.2	56.3	46.0	37.9	33.3	29.2
85°	92.2	70.6	53.8	48.7	37.9	32.7	28.2	24.1	20.5	19.4	18.0
87.5°	3.6	4.7	4.7	3.6	4.7	4.1	4.1	3.6	3.6	3.6	3.6
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	56.8	56.3	56.3	55.8	55.3	55.3	55.3	54.8	53.8	51.7	50.1
5°	58.9	58.3	57.9	56.8	56.3	55.8	55.3	55.3	52.7	49.1	46.6
7.5°	61.4	60.4	59.3	58.3	57.9	56.8	55.8	55.3	51.7	47.1	44.6
10°	64.0	62.4	60.9	60.4	58.9	57.9	56.3	55.3	51.2	45.6	42.0
12.5°	67.1	65.0	63.0	61.4	59.3	58.3	56.8	55.3	50.1	44.0	39.9
15°	70.6	67.5	65.0	63.4	61.4	58.9	56.8	55.3	49.1	42.5	37.9
17.5°	75.3	71.6	68.6	65.5	62.4	59.9	57.9	55.8	47.6	40.5	35.3
20°	82.4	77.9	72.7	69.1	65.0	62.0	58.3	55.8	46.6	38.4	33.3
22.5°	92.2	85.0	79.3	73.2	68.1	64.0	59.9	56.8	45.0	36.4	30.7
25°	106.0	96.7	87.5	79.9	73.2	67.5	62.4	58.3	44.0	34.8	29.2
27.5°	121.3	110.6	98.3	89.1	79.9	71.6	66.0	60.9	44.0	33.8	27.6
30°	142.8	127.4	112.7	100.8	88.6	79.3	71.2	64.5	44.0	33.3	26.1
32.5°	168.9	151.5	132.6	115.7	101.4	88.1	77.9	69.1	45.0	32.3	25.1
35°	205.3	179.7	157.2	136.2	117.2	101.9	88.6	76.8	46.6	31.7	23.5
37.5°	234.0	203.3	174.6	150.5	128.5	109.6	92.7	79.9	45.0	29.7	22.0
40°	268.3	233.5	198.6	168.5	143.3	118.8	99.3	84.0	44.0	27.2	20.0
42.5°	309.8	266.2	225.8	191.4	160.3	131.1	108.0	89.1	44.0	25.6	18.4
45°	348.7	301.0	256.0	212.9	176.7	144.4	116.2	94.7	43.5	24.1	16.4
47.5°	396.7	340.5	287.7	238.0	196.1	156.7	124.9	99.8	43.0	22.5	14.9
50°	453.6	385.0	325.6	266.2	215.0	171.5	135.2	105.5	42.0	21.0	13.3
52.5°	516.6	442.9	367.1	298.5	238.6	187.3	144.8	110.6	40.5	19.4	11.8
55°	628.2	526.8	437.2	352.2	274.4	210.9	159.3	118.2	38.9	18.0	10.2
57.5°	895.9	728.0	601.0	473.0	361.4	270.8	198.1	140.3	36.8	15.9	8.2
60°	1406.9	1129.9	914.3	717.2	546.8	415.7	291.8	207.4	39.4	13.3	7.2
62.5°	1804.7	1486.2	1211.8	964.6	749.0	569.3	424.9	309.8	56.8	11.8	5.7
64°	1908.6	1586.1	1293.2	1034.1	810.0	624.6	474.0	350.1	73.2	11.8	5.1
65°	1923.9	1616.8	1322.4	1059.7	830.9	639.4	488.4	363.4	79.9	12.3	4.7
67.5°	1860.5	1598.8	1331.1	1070.5	846.8	659.9	507.8	384.5	90.1	11.8	3.6
70°	1624.9	1432.5	1212.3	1001.4	798.6	627.2	488.4	372.7	94.2	11.3	3.1
72.5°	1105.9	973.2	843.2	693.7	556.0	458.2	356.3	262.6	66.0	9.2	2.6
75°	368.7	359.4	321.5	243.7	204.7	166.4	133.1	102.4	25.1	5.7	2.6
77.5°	61.4	52.7	46.0	44.0	36.8	35.8	31.3	25.1	10.8	3.6	2.6
80°	35.8	32.7	28.7	25.6	22.5	20.0	16.9	14.3	6.7	2.6	3.1
82.5°	26.6	23.5	21.0	18.4	15.9	13.9	11.8	9.8	3.6	2.6	3.1
85°	15.3	13.3	11.8	10.2	8.2	7.2	6.1	5.1	2.6	2.6	2.6
87.5°	3.1	3.1	2.6	2.6	2.6	2.6	2.6	2.0	2.6	2.6	2.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	49.1	47.6	47.1	47.1	47.1	47.1	47.1
5°	45.0	43.5	42.5	42.0	42.0	42.0	42.0
7.5°	42.0	39.9	38.9	37.9	37.9	37.4	37.4
10°	38.9	36.8	35.3	34.3	33.8	33.8	33.8
12.5°	36.4	34.3	32.3	31.3	31.3	30.7	30.7
15°	34.3	31.3	29.7	28.7	28.7	28.2	28.2
17.5°	31.7	29.2	27.6	26.6	26.1	26.1	26.1
20°	29.2	26.6	25.1	24.6	24.1	24.1	23.5
22.5°	27.2	24.6	23.1	22.5	22.0	22.0	21.5
25°	25.1	22.5	21.0	20.5	20.0	19.4	19.4
27.5°	23.5	21.0	19.4	18.4	18.0	17.4	17.4
30°	22.0	19.0	17.4	16.4	15.9	15.3	15.3
32.5°	20.5	17.4	15.3	14.3	13.9	13.3	13.3
35°	18.4	15.3	13.3	12.8	12.3	11.8	11.3
37.5°	16.9	13.3	11.8	10.8	10.2	9.8	9.8
40°	14.9	11.8	10.2	9.2	8.2	7.7	7.7
42.5°	13.3	10.2	8.7	7.2	6.7	6.1	6.1
45°	11.8	9.2	7.2	5.7	5.1	4.7	4.7
47.5°	10.2	7.7	5.7	4.7	4.1	3.6	3.6
50°	8.7	6.1	4.1	3.1	3.6	3.1	3.1
52.5°	7.7	4.7	3.1	3.1	3.1	3.1	3.1
55°	6.1	3.6	2.6	2.6	3.1	3.1	3.1
57.5°	5.1	2.6	2.0	2.6	2.6	2.6	2.6
60°	3.6	2.0	2.0	2.6	2.6	2.6	2.6
62.5°	3.1	2.0	2.0	2.0	2.6	2.6	2.6
64°	2.6	2.0	2.0	2.0	2.6	2.6	2.6
65°	2.6	2.0	2.0	2.0	2.6	2.6	2.6
67.5°	2.6	2.0	2.0	2.0	2.6	2.6	2.6
70°	2.0	2.0	2.0	2.0	2.6	2.6	2.6
72.5°	2.0	2.0	2.0	2.0	2.6	2.6	2.6
75°	2.0	2.0	2.0	2.0	2.6	2.6	2.6
77.5°	2.0	2.0	2.0	2.6	2.6	2.6	2.6
80°	2.0	2.0	2.0	2.6	2.6	2.6	2.6
82.5°	2.0	2.0	2.0	2.6	2.6	2.6	2.6
85°	2.0	2.0	2.0	2.6	2.6	2.6	2.6
87.5°	2.0	2.0	2.0	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)