

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: P181165

Luminaire Tested: **ICM-E02-LED-E1-T2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181165
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-E02-LED-E1-T2-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2979.2 lumens
Efficiency: N/A
Efficacy: 57.2 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

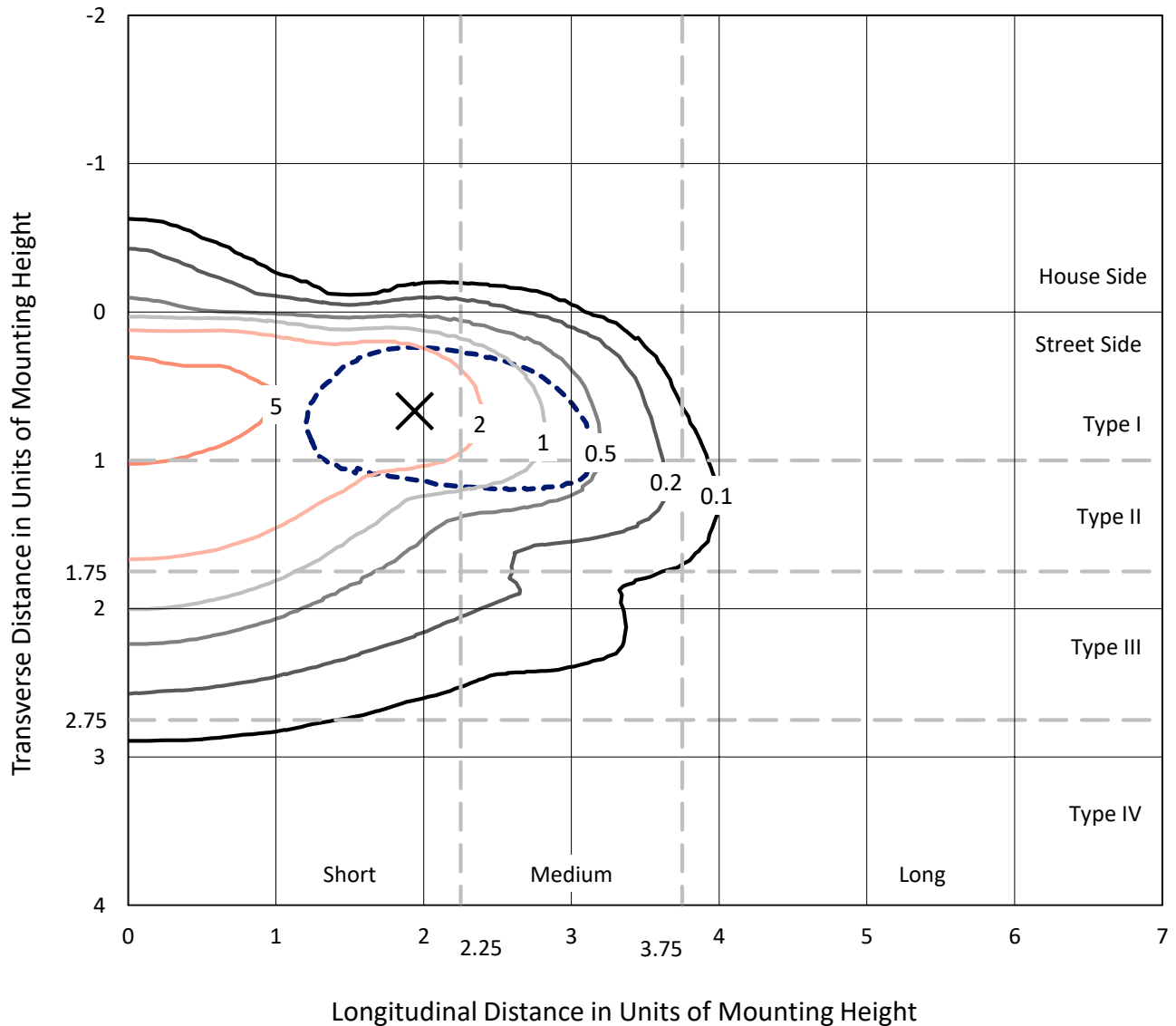
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

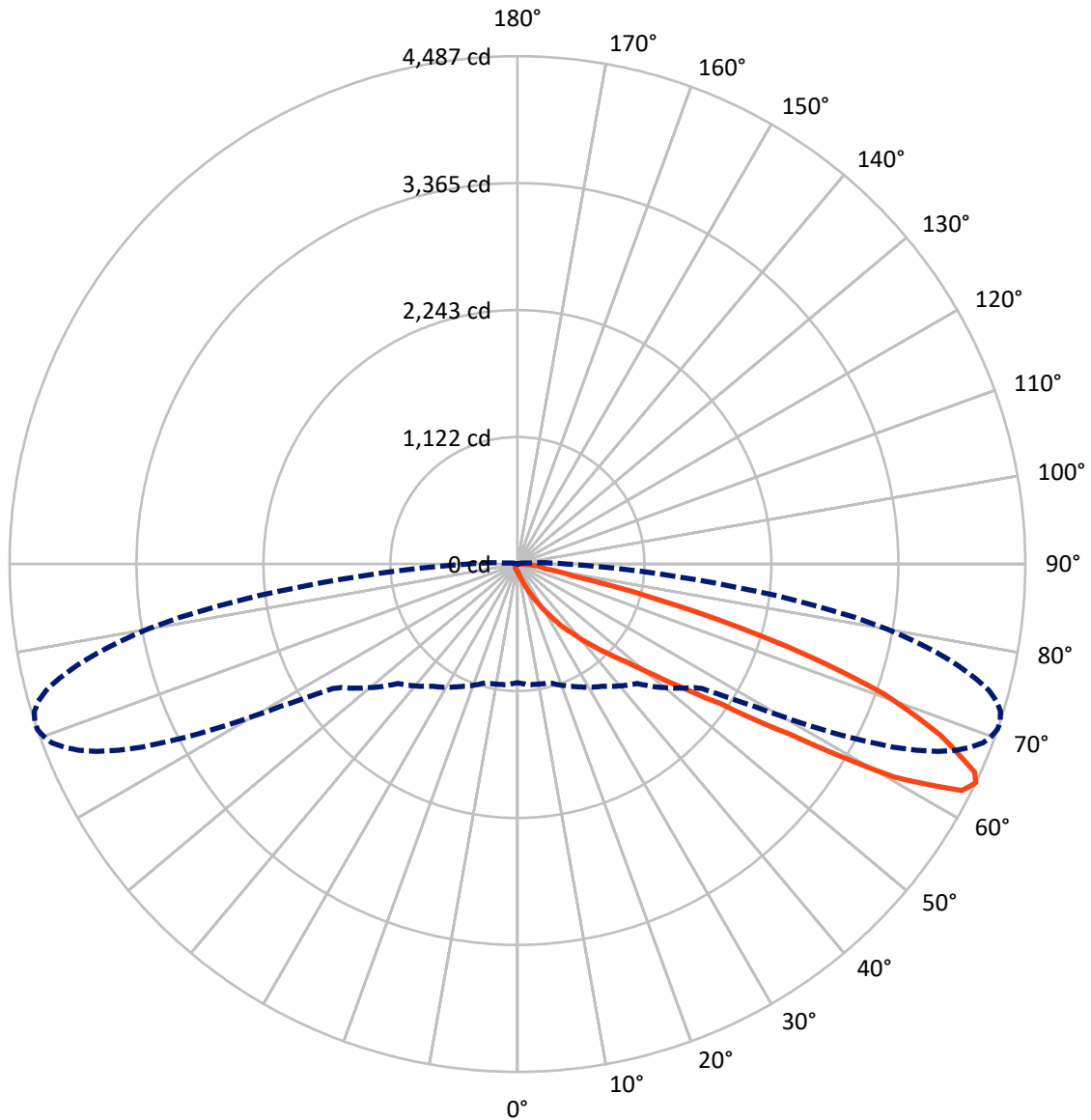
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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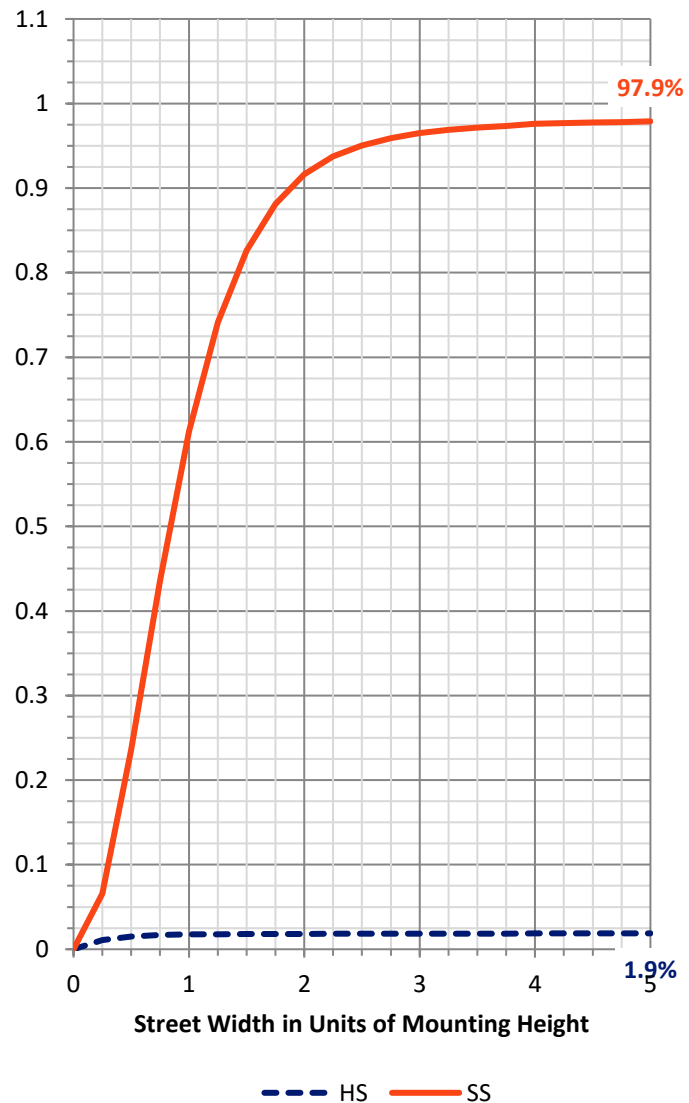
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.1	0.0	57.1
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2922.2	0.0	2922.2
	% Fixture	98.1	0.0	98.1
Total	Lumens	2979.2	0.0	2979.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.3
10°-20°	53.9	1.8
20°-30°	137.6	4.6
30°-40°	278.3	9.3
40°-50°	508.7	17.1
50°-60°	792.5	26.6
60°-70°	880.9	29.6
70°-80°	287.3	9.6
80°-90°	30.9	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°	2979.2	100.0
0°-180°	2979.2	100.0



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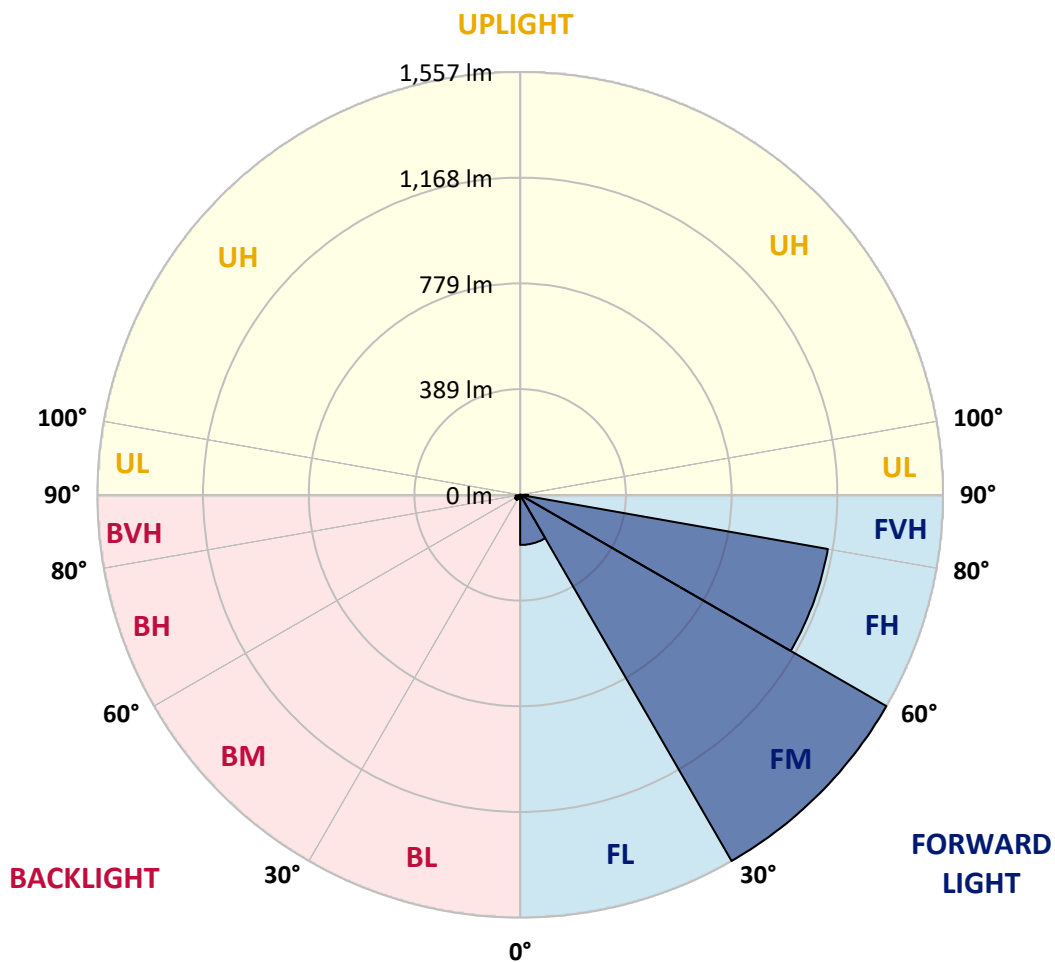
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.7	6.2			
FM (30°-60°)	1557.4	52.3			
FH (60°-80°)	1150.6	38.6			G1/1800
FVH (80°-90°)	29.4	1.0			G1/100
BL (0°-30°)	15.9	0.5	B0/110		
BM (30°-60°)	22.1	0.7	B0/220		
BH (60°-80°)	17.6	0.6	B0/110		G0/110
BVH (80°-90°)	1.5	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°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
2.5°	89.3	88.1	88.1	86.2	83.7	81.2	78.8	78.1	77.5	76.9	76.9
5°	140.2	135.2	133.3	126.5	117.9	107.3	98.0	95.5	95.5	93.7	92.4
7.5°	220.2	217.7	204.7	197.9	177.4	151.9	125.3	122.8	122.1	119.7	116.0
10°	322.5	317.5	308.2	288.4	251.2	207.2	169.3	163.1	158.8	153.8	148.8
12.5°	424.8	418.6	404.9	372.7	335.5	279.1	218.3	212.7	205.9	199.1	191.0
15°	527.2	522.8	501.7	469.5	421.1	353.5	276.6	266.7	261.1	247.4	241.2
17.5°	615.8	610.2	593.5	556.9	506.7	432.3	341.1	328.7	319.4	311.4	296.5
20°	692.7	687.2	671.0	640.7	584.2	511.0	410.5	404.4	387.6	375.2	366.5
22.5°	739.8	738.0	727.4	698.3	648.1	583.0	490.0	480.0	468.8	452.1	442.1
25°	769.0	767.2	760.9	740.5	706.3	658.6	577.4	564.9	555.1	540.2	527.7
27.5°	799.4	798.1	793.2	775.2	757.2	727.4	666.1	659.3	637.5	628.8	617.0
30°	849.6	844.0	848.4	839.7	816.7	798.1	755.4	745.4	736.1	721.2	710.7
32.5°	929.6	920.3	929.6	920.3	910.4	888.1	847.2	844.0	834.7	825.4	810.5
35°	1027.6	1023.9	1031.4	1039.4	1031.4	1001.6	951.9	942.6	938.9	924.0	918.4
37.5°	1126.2	1133.0	1146.7	1164.7	1159.7	1138.0	1067.9	1059.3	1052.4	1039.4	1029.5
40°	1232.3	1232.8	1262.1	1288.1	1301.1	1288.1	1195.6	1188.8	1179.5	1160.9	1158.4
42.5°	1347.6	1342.6	1364.4	1393.5	1420.2	1438.1	1364.4	1351.4	1338.3	1317.2	1303.0
45°	1450.0	1450.0	1467.3	1494.6	1535.5	1580.8	1542.3	1528.7	1516.3	1498.9	1482.8
47.5°	1525.6	1526.2	1536.8	1576.5	1640.3	1707.9	1709.1	1711.6	1702.3	1681.9	1682.5
50°	1578.9	1572.1	1586.3	1624.8	1698.6	1804.7	1880.9	1885.3	1892.8	1876.0	1880.9
52.5°	1618.0	1614.9	1624.2	1656.5	1730.2	1859.8	2021.7	2040.3	2051.5	2054.0	2074.4
55°	1597.5	1599.4	1621.7	1668.2	1747.6	1896.5	2141.4	2171.8	2197.9	2220.2	2245.6
57.5°	1530.0	1535.5	1574.6	1647.2	1751.4	1926.2	2268.6	2315.1	2364.0	2423.5	2473.8
60°	1422.1	1435.1	1487.7	1589.5	1715.4	1887.2	2306.3	2377.7	2452.8	2543.3	2644.4
62.5°	1263.9	1266.3	1301.1	1399.7	1538.6	1679.4	2132.8	2223.9	2323.1	2454.0	2595.4
64°	1047.4	1069.8	1085.9	1194.4	1318.4	1494.0	1903.3	1966.5	2104.9	2265.4	2443.5
65°	864.5	891.2	904.2	1012.8	1154.7	1322.1	1703.5	1771.2	1916.9	2080.0	2302.1
67.5°	509.8	491.8	529.6	593.5	712.6	911.0	1149.1	1200.7	1309.1	1503.3	1680.7
70°	328.7	328.7	363.4	428.6	538.9	690.9	789.5	767.7	790.7	865.8	991.0
72.5°	210.9	222.0	243.1	298.3	400.7	579.3	806.8	704.5	651.2	626.3	625.1
75°	96.1	102.3	125.3	158.1	214.0	377.7	813.7	769.0	720.0	672.8	636.3
77.5°	20.5	23.5	39.7	81.9	104.2	174.2	577.4	644.4	697.7	713.2	713.2
80°	10.5	11.2	16.7	38.4	44.7	58.9	222.6	292.7	360.9	450.9	545.1
82.5°	4.4	4.9	10.0	17.4	18.6	18.0	58.9	74.4	102.3	148.8	222.0
85°	1.2	1.2	4.4	6.8	10.0	8.1	13.0	14.9	19.3	27.9	53.3
87.5°	0.0	0.0	0.7	1.2	1.9	3.1	3.7	3.7	3.7	3.7	3.7
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
2.5°	76.3	76.3	75.6	75.1	75.1	73.8	73.8	73.2	73.2	72.6	72.6
5°	91.8	90.5	89.3	87.4	86.8	85.6	84.4	83.1	81.9	81.2	80.0
7.5°	114.1	112.8	109.1	106.7	103.5	101.7	99.3	97.4	95.5	94.2	91.8
10°	143.9	139.5	137.7	129.0	127.2	122.8	119.1	116.6	111.6	108.6	105.4
12.5°	186.0	178.0	174.9	160.0	155.6	149.5	145.1	138.9	133.3	129.6	124.0
15°	233.8	227.6	215.8	200.9	192.8	186.0	175.5	170.5	163.1	155.1	147.0
17.5°	290.9	279.7	266.7	247.4	237.5	227.0	217.0	206.5	194.1	186.7	178.0
20°	357.2	345.4	329.3	305.1	293.3	282.8	265.4	258.0	243.1	228.2	217.0
22.5°	429.8	418.0	402.5	375.2	359.7	342.3	328.1	315.1	297.7	282.8	269.8
25°	511.6	498.0	486.2	454.6	435.4	417.4	401.9	378.9	364.0	346.7	328.7
27.5°	604.7	588.6	573.0	538.3	520.3	500.5	481.9	457.7	443.4	414.9	398.1
30°	700.2	680.3	664.2	628.8	612.7	592.3	566.8	545.1	520.9	501.7	474.4
32.5°	800.7	784.5	771.4	734.2	713.8	688.4	665.4	642.5	621.4	590.4	565.6
35°	907.9	893.7	879.4	847.2	829.1	810.0	783.9	756.0	726.8	694.6	672.3
37.5°	1020.8	1009.6	998.4	959.4	938.3	917.9	888.1	860.2	834.1	800.0	762.1
40°	1139.3	1128.7	1110.7	1078.4	1056.1	1037.5	1010.2	984.2	948.8	911.0	877.5
42.5°	1288.1	1265.1	1249.6	1214.2	1190.7	1170.2	1146.1	1107.0	1077.2	1031.9	999.7
45°	1462.3	1440.7	1415.2	1379.3	1350.1	1316.6	1282.5	1255.8	1218.6	1177.7	1136.1
47.5°	1658.3	1640.9	1611.2	1575.8	1546.7	1513.2	1472.8	1438.8	1393.5	1345.8	1289.3
50°	1874.2	1856.1	1836.3	1796.6	1767.5	1735.8	1704.2	1663.9	1623.0	1565.9	1507.6
52.5°	2074.4	2078.2	2066.3	2047.7	2033.5	2000.7	1971.5	1933.0	1897.0	1844.9	1799.7
55°	2272.3	2304.5	2316.9	2334.9	2341.1	2314.4	2313.8	2257.4	2235.6	2205.3	2179.3
57.5°	2533.3	2604.7	2661.1	2770.2	2816.1	2862.6	2871.4	2831.6	2872.6	2819.8	2837.9
60°	2755.4	2886.3	3026.3	3308.6	3450.0	3556.6	3642.2	3705.4	3746.3	3815.8	3819.6
62.5°	2775.2	2981.1	3194.4	3606.3	3799.7	3961.6	4116.0	4223.9	4309.5	4388.2	4407.5
64°	2680.3	2935.2	3194.4	3692.4	3890.3	4070.1	4210.9	4318.2	4405.6	4454.6	4486.8
65°	2507.9	2793.2	3091.5	3635.4	3839.4	4030.4	4165.0	4272.9	4355.4	4404.4	4437.9
67.5°	1858.0	2134.0	2433.5	3066.7	3387.9	3562.8	3735.2	3886.5	3952.9	4014.9	4026.7
70°	1132.4	1332.8	1539.3	2126.5	2424.9	2739.3	2933.3	3154.7	3309.8	3405.3	3437.0
72.5°	683.4	752.8	876.3	1191.9	1477.9	1698.6	1967.2	2178.6	2352.3	2448.4	2496.8
75°	608.4	599.7	615.8	747.3	849.0	981.7	1079.1	1211.8	1319.1	1352.6	1415.2
77.5°	703.3	678.4	653.0	628.2	623.3	610.9	591.0	596.0	548.8	503.5	504.8
80°	626.3	685.9	721.2	695.2	636.3	576.7	503.5	412.4	322.5	266.7	243.1
82.5°	314.4	447.2	574.9	701.4	692.7	640.0	559.4	459.5	356.0	273.5	218.3
85°	96.7	171.8	241.9	336.1	390.0	382.6	336.1	326.8	233.2	181.7	140.2
87.5°	4.4	4.4	4.4	3.7	4.4	4.4	4.4	4.9	4.9	5.6	5.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
2.5°	72.6	71.9	71.3	70.7	70.7	70.7	70.0	70.0	69.5	69.5	68.8
5°	80.0	78.8	78.1	76.9	76.9	75.6	75.1	74.4	73.2	72.6	71.9
7.5°	90.0	88.7	86.8	84.9	84.4	82.5	80.7	79.3	78.1	76.9	75.6
10°	103.0	100.5	96.7	94.2	92.4	90.0	87.4	85.6	83.1	80.7	79.3
12.5°	119.7	114.7	111.0	106.7	103.0	99.3	94.9	92.4	90.0	86.2	83.7
15°	138.9	134.0	129.6	122.1	116.0	111.0	107.3	101.7	97.4	92.4	88.7
17.5°	171.8	158.8	150.0	142.6	136.5	127.2	119.7	113.5	107.9	101.7	97.4
20°	204.0	192.8	181.1	172.4	158.8	150.7	140.7	132.1	122.1	114.7	107.3
22.5°	251.2	236.9	222.0	209.0	190.4	179.3	166.2	155.1	142.6	130.2	122.1
25°	310.7	289.6	269.8	251.2	233.8	217.0	200.3	182.3	169.3	154.4	140.7
27.5°	373.3	349.8	330.5	306.3	284.0	263.5	242.5	223.3	200.9	181.7	165.6
30°	452.1	419.8	397.5	368.4	346.0	317.5	291.4	266.0	238.8	216.5	193.5
32.5°	532.1	510.4	472.6	447.7	414.2	380.2	352.8	323.7	290.2	261.1	233.2
35°	637.5	600.3	568.7	534.0	497.4	462.0	426.7	385.1	351.0	315.1	280.9
37.5°	730.5	692.7	656.1	610.9	569.3	532.1	489.3	445.9	405.6	362.8	321.9
40°	838.4	791.4	747.9	705.8	654.2	610.2	565.6	511.6	465.1	418.0	369.6
42.5°	956.3	908.6	857.0	808.7	752.3	698.3	643.1	589.1	537.0	480.0	423.5
45°	1085.3	1035.1	977.4	922.1	860.7	801.2	735.5	673.5	612.1	548.2	483.1
47.5°	1245.3	1180.8	1127.4	1058.6	982.3	919.7	839.1	768.4	698.3	623.9	550.7
50°	1452.4	1379.3	1302.3	1226.1	1141.7	1062.3	973.0	889.3	795.6	712.6	628.8
52.5°	1727.2	1672.6	1583.3	1495.8	1392.8	1291.8	1169.0	1060.5	940.2	834.1	731.8
55°	2117.2	2081.2	2003.7	1908.2	1818.3	1670.7	1529.3	1360.7	1204.4	1051.8	907.9
57.5°	2823.6	2784.5	2698.3	2675.4	2537.0	2428.6	2263.0	2044.7	1779.8	1546.7	1314.1
60°	3840.7	3764.4	3680.0	3664.5	3502.1	3387.9	3223.6	2991.0	2741.7	2369.6	2052.8
62.5°	4408.7	4385.8	4317.5	4233.8	4093.0	3923.7	3738.9	3513.8	3260.8	2934.6	2557.5
64°	4485.0	4463.9	4405.0	4310.7	4169.3	4001.2	3796.6	3572.1	3318.4	3020.8	2676.6
65°	4437.2	4407.5	4357.2	4270.4	4138.9	3977.7	3771.8	3544.2	3286.8	3000.3	2680.3
67.5°	4052.1	4038.4	3992.6	3911.9	3829.5	3684.4	3503.3	3299.8	3089.6	2805.6	2543.3
70°	3440.7	3430.7	3372.4	3340.2	3203.7	3111.9	2965.6	2805.6	2619.6	2421.7	2198.4
72.5°	2550.7	2517.2	2470.1	2421.1	2328.7	2202.8	2088.7	1918.2	1822.1	1655.2	1529.3
75°	1352.6	1331.5	1258.3	1156.0	1041.9	983.0	864.5	758.4	674.1	636.3	545.1
77.5°	467.6	426.0	385.1	339.3	269.1	212.1	169.3	135.2	106.7	94.2	78.8
80°	233.2	221.4	208.4	182.3	153.2	123.4	96.7	76.3	62.6	53.3	47.7
82.5°	189.1	167.4	149.5	130.9	104.8	86.2	68.2	55.8	45.9	40.3	35.3
85°	111.6	85.6	65.1	58.9	45.9	39.7	34.1	29.1	24.8	23.5	21.7
87.5°	4.4	5.6	5.6	4.4	5.6	4.9	4.9	4.4	4.4	4.4	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
2.5°	68.8	68.2	68.2	67.6	67.0	67.0	67.0	66.3	65.1	62.6	60.7
5°	71.3	70.7	70.0	68.8	68.2	67.6	67.0	67.0	63.9	59.5	56.5
7.5°	74.4	73.2	71.9	70.7	70.0	68.8	67.6	67.0	62.6	57.0	54.0
10°	77.5	75.6	73.8	73.2	71.3	70.0	68.2	67.0	62.0	55.2	50.9
12.5°	81.2	78.8	76.3	74.4	71.9	70.7	68.8	67.0	60.7	53.3	48.4
15°	85.6	81.9	78.8	76.9	74.4	71.3	68.8	67.0	59.5	51.4	45.9
17.5°	91.2	86.8	83.1	79.3	75.6	72.6	70.0	67.6	57.7	49.0	42.8
20°	99.8	94.2	88.1	83.7	78.8	75.1	70.7	67.6	56.5	46.5	40.3
22.5°	111.6	103.0	96.1	88.7	82.5	77.5	72.6	68.8	54.6	44.0	37.2
25°	128.4	117.2	106.0	96.7	88.7	81.9	75.6	70.7	53.3	42.1	35.3
27.5°	147.0	134.0	119.1	107.9	96.7	86.8	80.0	73.8	53.3	40.9	33.5
30°	173.0	154.4	136.5	122.1	107.3	96.1	86.2	78.1	53.3	40.3	31.6
32.5°	204.7	183.5	160.7	140.2	122.8	106.7	94.2	83.7	54.6	39.1	30.4
35°	248.7	217.7	190.4	164.9	142.0	123.4	107.3	93.0	56.5	38.4	28.6
37.5°	283.4	246.2	211.4	182.3	155.6	132.7	112.3	96.7	54.6	36.0	26.7
40°	324.9	282.8	240.7	204.0	173.7	143.9	120.3	101.7	53.3	32.8	24.2
42.5°	375.2	322.5	273.5	231.9	194.1	158.8	130.9	107.9	53.3	31.0	22.3
45°	422.3	364.7	310.0	258.0	214.0	174.9	140.7	114.7	52.7	29.1	19.8
47.5°	480.7	412.4	348.6	288.4	237.5	189.8	151.3	120.9	52.1	27.3	18.0
50°	549.5	466.3	394.4	322.5	260.5	207.7	163.7	127.7	50.9	25.4	16.1
52.5°	625.8	536.5	444.7	361.6	289.0	227.0	175.5	134.0	49.0	23.5	14.2
55°	760.9	638.1	529.6	426.7	332.4	255.5	192.8	143.3	47.2	21.7	12.4
57.5°	1085.3	881.9	728.1	573.0	437.9	328.1	240.0	170.0	44.7	19.3	10.0
60°	1704.2	1368.7	1107.6	868.8	662.3	503.5	353.5	251.2	47.7	16.1	8.7
62.5°	2186.1	1800.3	1467.9	1168.4	907.3	689.6	514.7	375.2	68.8	14.2	6.8
64°	2311.9	1921.2	1566.5	1252.8	981.1	756.6	574.2	424.2	88.7	14.2	6.2
65°	2330.5	1958.4	1601.9	1283.7	1006.5	774.6	591.6	440.3	96.7	14.9	5.6
67.5°	2253.7	1936.8	1612.4	1296.8	1025.8	799.4	615.2	465.8	109.1	14.2	4.4
70°	1968.4	1735.2	1468.6	1213.0	967.4	759.7	591.6	451.4	114.1	13.7	3.7
72.5°	1339.5	1178.9	1021.4	840.3	673.5	555.1	431.6	318.1	80.0	11.2	3.1
75°	446.5	435.4	389.5	295.2	248.1	201.6	161.2	124.0	30.4	6.8	3.1
77.5°	74.4	63.9	55.8	53.3	44.7	43.4	37.9	30.4	13.0	4.4	3.1
80°	43.4	39.7	34.7	31.0	27.3	24.2	20.5	17.4	8.1	3.1	3.7
82.5°	32.3	28.6	25.4	22.3	19.3	16.7	14.2	11.8	4.4	3.1	3.7
85°	18.6	16.1	14.2	12.4	10.0	8.7	7.4	6.2	3.1	3.1	3.1
87.5°	3.7	3.7	3.1	3.1	3.1	3.1	3.1	2.5	3.1	3.1	2.5
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°	66.3	66.3	66.3	66.3	66.3	66.3	66.3
2.5°	59.5	57.7	57.0	57.0	57.0	57.0	57.0
5°	54.6	52.7	51.4	50.9	50.9	50.9	50.9
7.5°	50.9	48.4	47.2	45.9	45.9	45.3	45.3
10°	47.2	44.7	42.8	41.6	40.9	40.9	40.9
12.5°	44.0	41.6	39.1	37.9	37.9	37.2	37.2
15°	41.6	37.9	36.0	34.7	34.7	34.1	34.1
17.5°	38.4	35.3	33.5	32.3	31.6	31.6	31.6
20°	35.3	32.3	30.4	29.8	29.1	29.1	28.6
22.5°	32.8	29.8	27.9	27.3	26.7	26.7	26.0
25°	30.4	27.3	25.4	24.8	24.2	23.5	23.5
27.5°	28.6	25.4	23.5	22.3	21.7	21.1	21.1
30°	26.7	23.0	21.1	19.8	19.3	18.6	18.6
32.5°	24.8	21.1	18.6	17.4	16.7	16.1	16.1
35°	22.3	18.6	16.1	15.5	14.9	14.2	13.7
37.5°	20.5	16.1	14.2	13.0	12.4	11.8	11.8
40°	18.0	14.2	12.4	11.2	10.0	9.3	9.3
42.5°	16.1	12.4	10.5	8.7	8.1	7.4	7.4
45°	14.2	11.2	8.7	6.8	6.2	5.6	5.6
47.5°	12.4	9.3	6.8	5.6	4.9	4.4	4.4
50°	10.5	7.4	4.9	3.7	4.4	3.7	3.7
52.5°	9.3	5.6	3.7	3.7	3.7	3.7	3.7
55°	7.4	4.4	3.1	3.1	3.7	3.7	3.7
57.5°	6.2	3.1	2.5	3.1	3.1	3.1	3.1
60°	4.4	2.5	2.5	3.1	3.1	3.1	3.1
62.5°	3.7	2.5	2.5	2.5	3.1	3.1	3.1
64°	3.1	2.5	2.5	2.5	3.1	3.1	3.1
65°	3.1	2.5	2.5	2.5	3.1	3.1	3.1
67.5°	3.1	2.5	2.5	2.5	3.1	3.1	3.1
70°	2.5	2.5	2.5	2.5	3.1	3.1	3.1
72.5°	2.5	2.5	2.5	2.5	3.1	3.1	3.1
75°	2.5	2.5	2.5	2.5	3.1	3.1	3.1
77.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
80°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
82.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
85°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
87.5°	2.5	2.5	2.5	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)