

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: P180432

Luminaire Tested: **ICS-F02-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180432
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F02-LED-E1-SL2-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2488.7 lumens
Efficiency: N/A
Efficacy: 45.2 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): 55
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



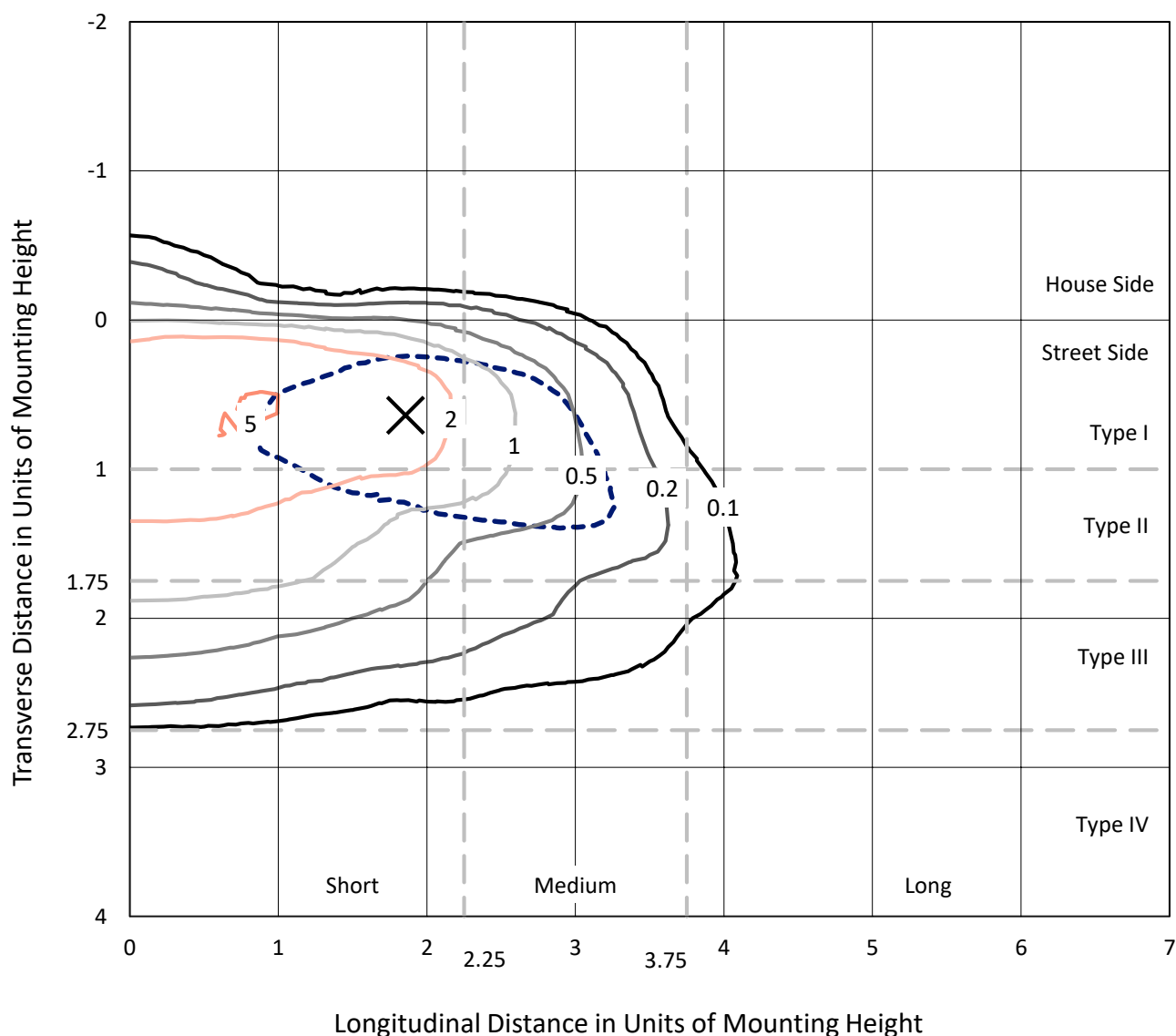
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

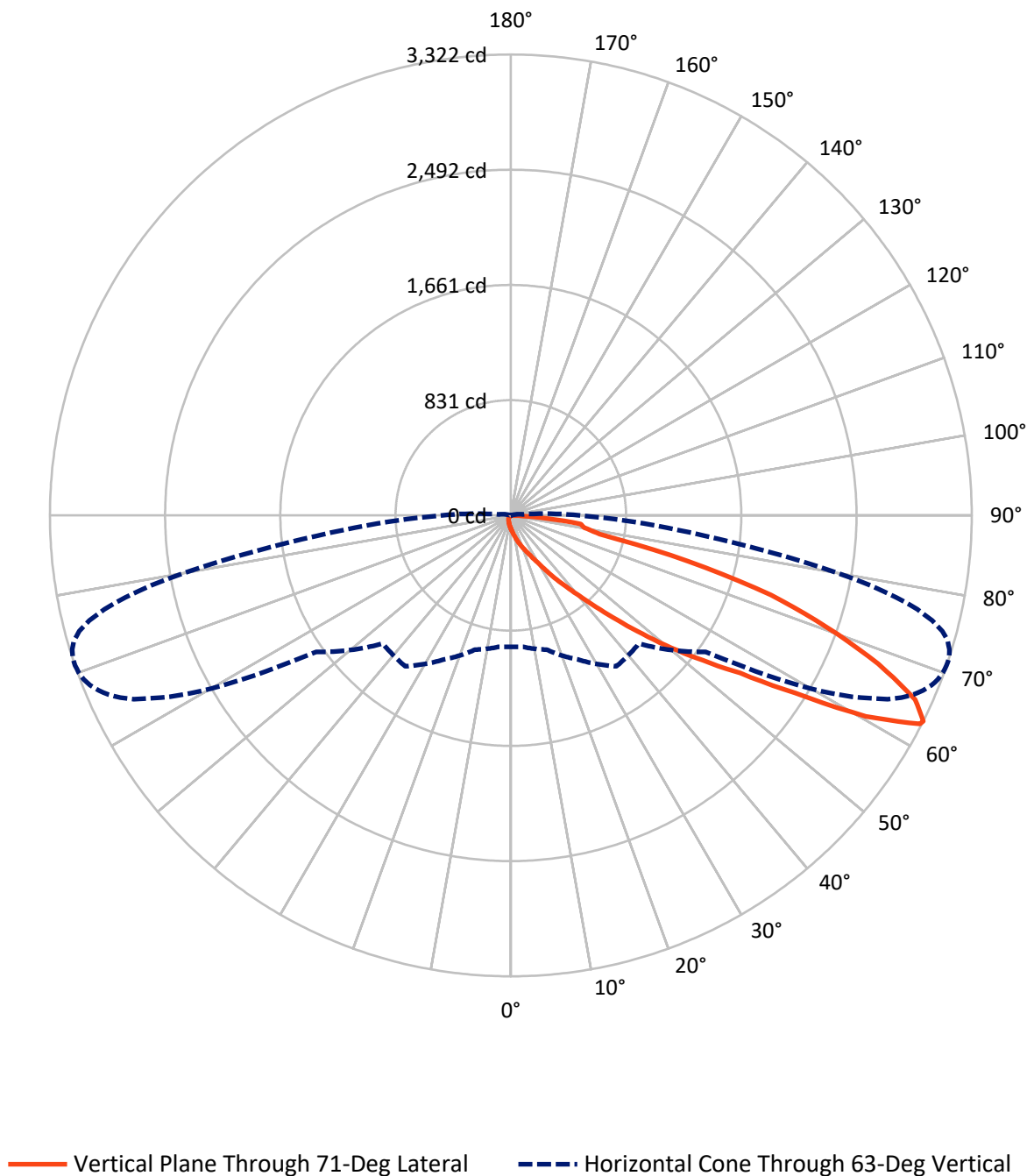


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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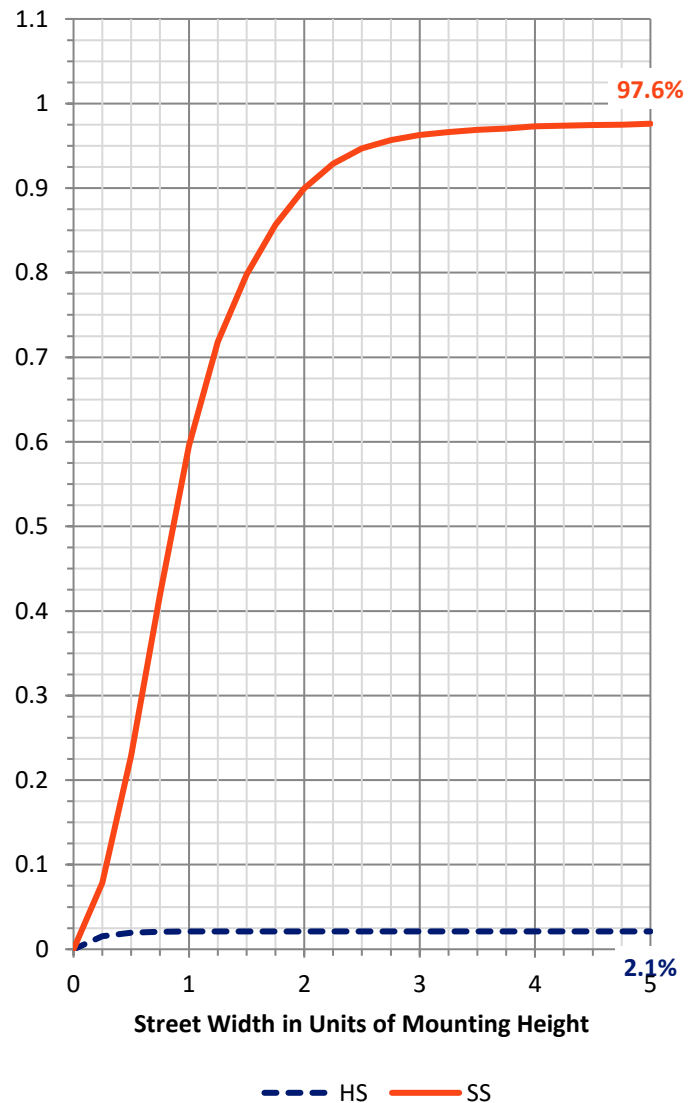
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.9	0.0	52.9
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	2435.8	0.0	2435.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	2488.7	0.0	2488.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.4
10°-20°	40.9	1.6
20°-30°	83.1	3.3
30°-40°	203.1	8.2
40°-50°	454.1	18.2
50°-60°	638.6	25.7
60°-70°	750.9	30.2
70°-80°	271.1	10.9
80°-90°	36.3	1.5
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°	2488.7	100.0
0°-180°	2488.7	100.0

Coefficient of Utilization



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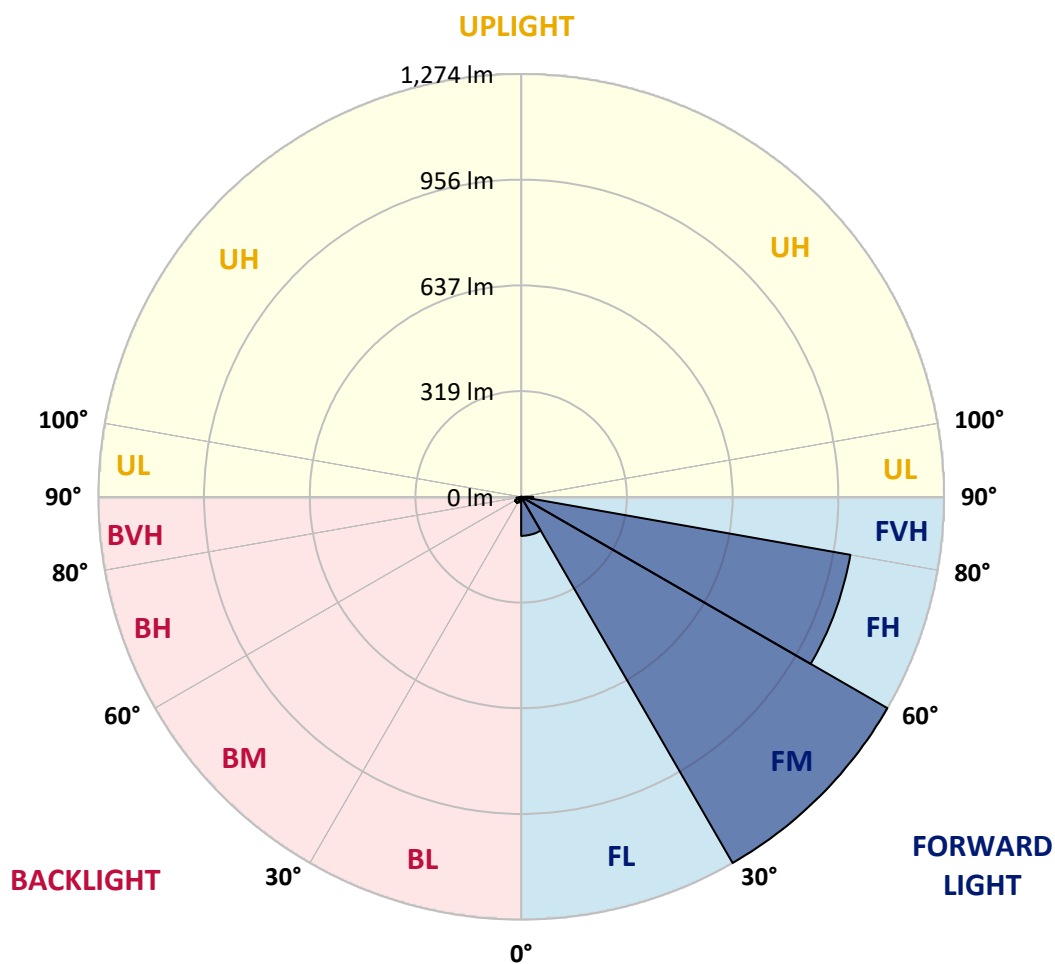
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.6	4.7			
FM	(30°-60°)	1274.5	51.2			
FH	(60°-80°)	1007.6	40.5			G1/1800
FVH	(80°-90°)	36.2	1.5			G1/100
BL	(0°-30°)	17.0	0.7	B0/110		
BM	(30°-60°)	21.3	0.9	B0/220		
BH	(60°-80°)	14.5	0.6	B0/110		G0/110
BVH	(80°-90°)	0.1	0.0			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°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	124.9	126.2	125.3	123.1	120.3	116.7	113.6	113.6	113.1	111.7	112.2
5°	163.8	164.2	162.4	157.0	152.0	144.3	135.7	134.8	133.9	132.6	132.1
7.5°	201.8	203.6	201.8	195.9	185.9	174.2	160.6	159.3	156.5	156.5	154.7
10°	240.7	240.7	238.9	232.1	223.0	206.3	189.1	186.8	183.7	182.8	180.1
12.5°	268.3	268.3	267.4	263.8	256.5	241.6	220.8	218.5	214.4	213.1	209.9
15°	279.1	279.1	279.6	282.8	283.2	276.4	254.7	252.9	248.8	245.2	243.9
17.5°	285.9	285.5	285.5	290.0	298.1	302.7	288.6	286.8	282.3	280.5	276.0
20°	300.9	300.0	297.2	297.2	304.9	320.8	320.8	320.3	315.3	314.0	311.7
22.5°	323.0	322.1	314.0	307.2	310.8	330.7	349.3	348.4	346.6	344.7	343.4
25°	359.2	356.1	342.0	322.1	319.0	340.2	371.0	373.2	374.6	374.6	375.5
27.5°	414.0	409.9	385.0	347.9	333.9	355.6	395.0	399.5	403.6	404.5	408.5
30°	490.0	482.7	447.0	392.7	360.6	378.2	430.3	435.2	441.1	442.9	449.3
32.5°	614.8	610.8	576.4	494.9	426.2	422.6	479.6	485.9	493.6	496.8	504.4
35°	804.9	805.8	777.7	704.4	609.4	559.6	567.8	573.2	575.9	585.4	589.5
37.5°	933.8	936.1	942.4	913.4	845.6	794.9	731.1	737.0	723.0	724.3	724.8
40°	1004.4	1011.6	1048.7	1076.8	1071.3	1041.9	990.8	994.0	967.7	961.8	933.3
42.5°	1051.4	1060.9	1120.2	1207.1	1251.4	1278.1	1266.3	1265.0	1244.6	1236.9	1212.9
45°	1080.8	1089.4	1164.1	1292.1	1394.4	1472.2	1504.3	1507.9	1490.7	1483.0	1463.1
47.5°	1079.5	1089.4	1169.5	1323.8	1474.4	1598.9	1689.3	1693.9	1704.3	1697.5	1698.8
50°	1019.8	1029.3	1109.8	1269.9	1450.9	1656.8	1822.4	1836.8	1853.6	1864.9	1870.3
52.5°	947.4	954.2	1025.6	1177.7	1350.5	1632.8	1901.1	1926.0	1950.8	1972.1	1987.0
55°	920.7	928.4	984.5	1110.7	1269.9	1532.3	1937.7	1974.4	2009.7	2044.5	2073.0
57.5°	934.7	941.9	982.2	1079.0	1222.0	1426.5	1948.1	2005.1	2063.0	2119.6	2175.7
60°	986.3	994.0	1028.4	1108.4	1209.3	1365.4	1907.4	2002.0	2098.3	2197.0	2289.7
62.5°	965.9	969.1	1019.8	1160.0	1299.8	1313.4	1759.5	1891.6	2038.6	2190.6	2340.4
63°	946.5	950.1	1001.7	1146.0	1327.4	1305.7	1713.8	1853.1	2008.3	2172.1	2334.9
65°	858.2	858.7	898.1	1012.1	1296.6	1319.3	1510.2	1643.2	1821.4	2017.8	2223.6
67.5°	640.6	637.5	675.5	762.3	1017.9	1319.7	1296.2	1370.8	1494.8	1669.0	1853.6
70°	227.1	222.1	283.7	404.0	634.3	1079.5	1113.9	1118.8	1153.2	1247.3	1363.1
72.5°	73.7	75.1	90.5	147.9	292.3	726.6	1008.4	993.1	984.0	983.6	998.9
75°	29.4	29.9	36.2	65.6	131.2	350.2	883.1	891.7	894.9	899.4	904.4
77.5°	14.0	15.4	20.4	36.6	65.1	173.3	632.0	704.9	746.5	778.6	798.1
80°	5.0	5.9	11.3	22.6	30.3	79.6	333.0	401.7	462.8	541.5	609.4
82.5°	0.0	0.0	2.3	15.8	16.7	32.1	136.6	160.2	183.2	237.5	304.9
85°	0.0	0.0	0.0	4.5	5.0	5.4	46.1	55.6	62.4	72.8	84.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4	2.7	6.8	10.4
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	111.3	110.8	110.8	109.9	109.5	108.6	108.1	106.8	106.3	106.3	106.3
5°	131.7	129.8	128.9	126.7	125.3	124.9	122.6	121.7	120.3	120.8	118.5
7.5°	154.3	151.1	149.8	146.6	145.7	142.5	141.6	139.3	138.0	135.3	134.4
10°	179.2	175.1	172.8	167.8	166.5	164.2	161.5	158.8	156.5	153.8	152.5
12.5°	207.7	204.0	202.2	195.4	192.3	189.1	185.5	181.9	178.3	176.0	172.8
15°	241.1	235.3	233.4	227.1	221.7	217.6	212.6	208.1	205.4	200.9	197.7
17.5°	274.2	268.3	266.9	257.4	251.5	248.8	243.4	237.5	232.5	228.0	223.0
20°	307.2	303.1	299.5	290.5	284.1	279.6	272.4	266.5	262.4	256.1	249.7
22.5°	340.2	336.1	333.4	323.9	318.1	311.7	305.4	299.1	293.2	285.5	278.2
25°	374.2	371.4	370.1	361.5	356.1	350.2	343.8	336.6	329.4	320.8	313.1
27.5°	409.4	410.3	407.6	405.8	399.9	395.9	385.9	380.9	375.5	365.1	355.6
30°	454.2	456.9	456.0	457.4	453.8	451.1	443.4	437.0	430.7	420.8	409.9
32.5°	510.8	514.4	516.2	521.2	519.4	518.5	516.2	507.2	502.6	485.4	480.9
35°	598.1	596.3	604.0	608.1	606.2	605.3	602.6	597.6	592.2	580.0	568.7
37.5°	711.7	713.5	716.2	708.0	702.6	702.2	694.0	689.0	681.3	667.8	654.2
40°	919.8	908.5	895.8	861.4	846.5	837.9	813.9	807.1	794.0	775.4	761.4
42.5°	1190.3	1179.0	1141.0	1083.5	1052.8	1010.3	990.8	966.8	948.3	918.0	901.7
45°	1459.1	1426.5	1422.0	1355.0	1317.0	1260.9	1226.1	1185.8	1143.7	1103.9	1075.0
47.5°	1685.7	1678.5	1656.3	1615.6	1580.3	1533.3	1488.5	1426.5	1383.1	1326.5	1274.5
50°	1867.1	1866.7	1858.5	1835.0	1805.6	1767.6	1728.2	1675.8	1626.5	1557.2	1501.6
52.5°	2002.9	2010.1	2012.8	2005.6	1994.3	1960.8	1940.9	1897.0	1855.4	1796.6	1736.4
55°	2102.4	2129.1	2142.7	2158.0	2154.9	2143.1	2142.2	2113.7	2094.7	2048.1	2005.6
57.5°	2225.5	2269.3	2311.4	2386.1	2388.8	2415.0	2428.6	2442.2	2445.8	2427.2	2413.2
60°	2382.0	2471.6	2551.2	2707.3	2748.0	2812.2	2853.9	2899.1	2937.6	2940.7	2939.8
62.5°	2492.4	2630.4	2758.9	2990.5	3069.7	3143.9	3199.5	3243.4	3270.1	3297.2	3309.9
63°	2495.6	2646.7	2783.3	3022.2	3105.4	3176.0	3228.9	3269.6	3297.7	3314.0	3322.1
65°	2419.1	2602.3	2765.2	3003.2	3081.4	3152.5	3180.1	3206.8	3220.3	3226.7	3202.7
67.5°	2050.4	2229.5	2419.5	2685.6	2752.5	2837.6	2860.2	2873.8	2880.1	2878.8	2858.4
70°	1533.3	1683.5	1894.7	2198.8	2287.4	2370.7	2422.3	2444.4	2451.7	2449.4	2419.1
72.5°	1070.4	1158.6	1332.8	1671.2	1792.0	1898.8	1962.6	1995.6	2002.4	1988.8	1960.8
75°	899.0	903.5	942.8	1127.9	1241.0	1355.0	1426.9	1447.7	1434.2	1393.0	1321.5
77.5°	802.6	812.5	812.5	840.1	862.3	894.0	900.8	850.1	791.3	715.3	653.7
80°	673.2	708.0	732.5	752.8	755.1	748.8	732.0	703.5	658.3	600.4	536.1
82.5°	409.0	477.8	505.8	610.8	662.3	697.2	694.5	656.5	622.1	561.9	507.2
85°	103.2	111.3	120.8	157.0	176.0	214.9	239.3	250.6	254.7	233.9	211.7
87.5°	10.0	6.8	11.3	8.6	12.2	9.0	12.2	11.3	14.0	14.9	16.3
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	105.4	105.0	104.5	104.1	103.6	103.2	102.2	102.2	101.3	100.9	100.4
5°	117.2	116.3	115.8	114.9	113.6	112.7	111.3	109.5	108.1	107.7	106.8
7.5°	132.1	129.8	128.9	127.6	125.8	123.1	121.2	119.9	117.6	116.3	113.6
10°	148.8	146.6	143.9	141.2	138.4	135.3	133.0	131.2	127.6	125.8	122.6
12.5°	170.1	166.0	162.9	159.3	155.6	152.0	149.3	143.9	140.7	136.6	133.9
15°	191.8	188.2	184.6	180.1	174.6	168.8	166.0	161.1	157.0	150.7	147.0
17.5°	218.1	211.3	205.9	200.4	195.4	190.0	184.6	176.9	171.0	165.6	158.3
20°	243.9	235.7	229.8	222.6	215.4	206.8	200.4	195.0	186.8	179.6	171.9
22.5°	271.5	263.3	253.8	246.6	236.6	229.8	221.2	212.2	204.0	194.5	185.0
25°	304.9	296.3	285.5	276.0	264.7	255.2	244.8	234.4	224.4	213.5	201.3
27.5°	346.1	337.1	325.3	314.0	299.1	287.3	277.3	263.3	250.6	237.1	223.0
30°	398.1	388.2	373.7	357.4	342.5	329.4	315.3	296.8	282.8	266.5	248.4
32.5°	466.0	454.2	434.8	419.4	400.8	383.7	364.2	345.6	325.7	304.5	283.7
35°	551.5	540.6	518.0	495.4	475.0	454.7	430.3	409.0	380.9	355.2	328.5
37.5°	640.2	620.7	599.9	575.5	550.1	525.7	495.9	466.4	434.3	406.3	372.8
40°	741.5	718.0	700.8	674.6	638.8	604.0	576.4	539.7	499.5	461.9	422.6
42.5°	880.4	854.2	823.4	783.6	757.8	717.1	681.3	637.9	585.0	542.9	495.4
45°	1041.0	1005.3	975.4	937.0	905.7	855.1	813.5	755.5	702.6	647.4	589.5
47.5°	1224.3	1179.9	1136.5	1098.5	1048.7	998.9	946.0	884.5	816.6	756.0	687.2
50°	1434.6	1371.7	1311.6	1262.7	1194.4	1136.9	1079.5	1010.3	935.2	865.5	787.2
52.5°	1668.5	1595.7	1516.1	1441.0	1361.8	1288.0	1218.8	1139.2	1055.5	970.4	883.1
55°	1950.8	1896.1	1802.4	1707.0	1601.1	1502.5	1413.4	1314.7	1212.9	1101.2	1009.4
57.5°	2392.9	2366.2	2287.9	2192.4	2054.4	1934.6	1783.4	1662.6	1515.2	1361.3	1242.8
60°	2991.9	2958.8	2914.9	2837.6	2728.1	2565.2	2398.7	2211.0	1986.6	1773.5	1571.3
62.5°	3311.3	3299.5	3263.8	3210.4	3108.1	2979.6	2811.8	2605.5	2352.1	2093.4	1835.5
63°	3320.8	3305.8	3275.1	3220.8	3130.8	3006.3	2841.7	2641.2	2393.3	2129.5	1866.2
65°	3192.3	3186.4	3155.2	3095.9	3034.4	2939.4	2811.8	2639.4	2431.3	2182.0	1920.1
67.5°	2831.2	2813.6	2765.6	2747.6	2704.6	2638.5	2541.2	2422.7	2273.9	2078.0	1851.8
70°	2394.7	2368.4	2308.3	2276.1	2223.6	2182.0	2122.8	2038.2	1946.3	1809.7	1640.9
72.5°	1931.8	1877.5	1822.4	1738.7	1665.4	1591.2	1525.6	1465.8	1365.0	1309.8	1181.7
75°	1254.6	1155.9	1061.4	934.7	820.7	719.8	621.6	571.9	468.3	426.2	366.0
77.5°	595.4	540.2	466.0	408.5	335.2	273.7	223.5	167.8	131.7	103.2	78.7
80°	480.5	433.9	389.1	337.1	281.9	224.9	172.4	128.9	91.4	63.3	44.8
82.5°	428.4	377.8	322.6	286.8	249.3	204.0	167.4	136.6	100.9	73.7	50.2
85°	166.5	140.3	108.1	88.2	68.8	56.6	51.1	35.3	27.6	21.7	16.7
87.5°	14.5	11.8	9.5	6.3	6.8	3.6	4.1	2.7	2.3	2.3	1.8
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	100.0	99.5	99.1	98.2	98.2	97.3	96.8	96.4	94.1	89.1	85.1
5°	105.0	104.1	103.2	101.8	100.9	99.5	98.6	97.3	92.3	82.8	74.6
7.5°	112.2	110.4	109.0	106.3	105.0	103.2	101.8	99.5	91.4	76.9	65.6
10°	120.8	117.6	115.4	112.2	109.5	107.2	105.0	101.8	90.5	70.6	57.5
12.5°	131.2	127.6	123.1	119.4	115.8	112.7	109.5	105.4	89.1	65.1	51.1
15°	141.6	136.2	133.0	128.0	123.1	118.5	114.0	110.4	89.6	59.3	45.7
17.5°	153.4	147.9	141.2	135.7	130.3	124.4	119.0	111.7	87.3	54.7	41.6
20°	164.7	157.0	150.7	143.9	136.2	128.9	122.2	115.8	85.5	50.2	38.0
22.5°	176.9	167.8	159.7	151.1	141.6	133.5	125.3	117.2	82.3	46.1	34.8
25°	191.8	181.4	169.7	159.3	149.3	139.3	128.9	119.0	79.2	42.5	32.6
27.5°	209.9	196.4	184.6	171.5	157.4	144.8	133.5	122.6	76.0	39.8	30.3
30°	233.0	217.2	200.4	183.7	168.8	154.3	138.4	124.9	72.8	37.1	28.1
32.5°	263.8	243.9	223.5	204.0	184.1	165.6	148.8	131.2	71.0	34.8	25.8
35°	304.5	278.7	253.8	229.4	205.4	182.8	161.1	141.2	71.0	32.1	23.1
37.5°	342.9	313.1	281.4	251.1	222.6	196.4	170.6	146.6	67.4	29.9	20.8
40°	384.6	348.8	311.7	276.0	241.6	209.0	179.6	152.0	64.2	27.1	18.5
42.5°	448.3	403.1	354.7	313.1	271.9	231.6	195.0	162.4	60.2	24.4	16.3
45°	532.0	474.6	417.6	366.9	314.4	265.1	221.7	181.4	59.3	22.2	14.0
47.5°	621.6	553.8	486.8	422.1	360.6	303.1	251.1	202.7	59.3	19.9	12.2
50°	710.8	625.7	554.2	479.1	409.9	342.0	280.0	224.9	59.7	18.1	10.0
52.5°	791.3	700.3	620.3	533.4	456.9	378.2	310.8	246.6	58.8	15.8	8.1
55°	903.0	796.3	703.5	607.6	518.0	429.3	352.9	279.1	59.3	14.0	6.8
57.5°	1108.9	983.6	871.8	746.0	642.9	528.4	435.7	346.1	64.7	11.8	5.0
60°	1404.3	1241.4	1084.5	931.1	799.9	663.7	543.4	437.9	76.0	9.5	3.6
62.5°	1602.9	1389.8	1202.5	1033.3	880.9	738.4	607.1	487.3	83.7	7.7	2.3
63°	1623.3	1403.0	1214.7	1040.1	884.5	742.0	609.9	490.9	84.2	7.2	2.3
65°	1661.7	1425.6	1221.5	1041.5	880.9	737.0	608.1	490.4	85.1	5.9	1.8
67.5°	1617.9	1390.7	1182.2	1002.6	849.2	707.6	585.4	472.3	84.6	4.1	1.4
70°	1446.8	1258.6	1075.4	908.0	768.7	640.6	533.0	430.7	77.8	2.7	0.9
72.5°	1062.3	934.2	792.2	671.4	579.1	480.9	410.3	323.5	60.2	1.8	0.5
75°	314.9	286.8	241.1	212.6	187.8	155.2	138.0	107.7	30.8	0.9	0.0
77.5°	62.9	57.0	51.1	46.6	43.9	37.6	35.7	29.4	12.7	0.5	0.0
80°	33.0	27.1	23.1	20.4	17.6	14.5	12.2	10.0	2.3	0.0	0.0
82.5°	31.7	21.3	15.4	12.7	10.9	8.6	6.8	5.0	1.4	0.0	0.0
85°	11.8	9.0	6.8	5.4	4.5	4.1	3.2	2.7	0.0	0.0	0.0
87.5°	1.8	1.4	1.4	0.9	0.9	0.5	0.5	0.5	0.0	0.0	0.0
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°	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2.5°	81.0	77.4	75.6	73.3	73.3	72.8	73.7
5°	67.4	62.4	58.8	56.1	56.6	55.2	55.6
7.5°	57.0	52.0	48.9	47.1	46.6	46.1	46.1
10°	49.3	44.8	42.1	40.7	40.3	40.3	40.3
12.5°	43.9	39.4	37.1	36.2	36.2	35.7	35.7
15°	39.4	35.7	33.5	32.6	32.6	32.1	32.6
17.5°	35.7	32.1	30.3	29.4	29.4	29.0	29.0
20°	32.6	29.4	27.6	26.2	26.2	25.8	26.2
22.5°	29.9	26.7	24.4	23.5	23.1	22.6	23.1
25°	27.1	24.0	21.7	20.4	19.9	19.9	19.5
27.5°	24.9	21.7	19.0	17.6	17.2	17.2	16.7
30°	22.6	19.0	16.3	14.9	14.5	14.5	14.5
32.5°	20.4	16.3	14.0	12.7	12.2	12.2	12.2
35°	18.1	14.0	11.8	10.4	10.0	10.0	10.0
37.5°	15.4	11.8	9.0	8.1	7.7	7.2	7.2
40°	13.1	9.0	6.8	5.9	5.0	5.0	5.0
42.5°	10.9	7.2	5.0	3.6	3.2	2.7	3.2
45°	9.0	5.4	3.2	1.8	1.4	1.4	1.4
47.5°	7.2	3.6	1.4	0.5	0.5	0.5	0.5
50°	5.4	2.3	0.5	0.0	0.0	0.5	0.5
52.5°	4.1	1.4	0.0	0.0	0.0	0.0	0.0
55°	2.3	0.5	0.0	0.0	0.0	0.0	0.0
57.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.5	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)