

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: P180457

Luminaire Tested: **ICM-E01-LED-E1-SL2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180457
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
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-SL2-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2595.7 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

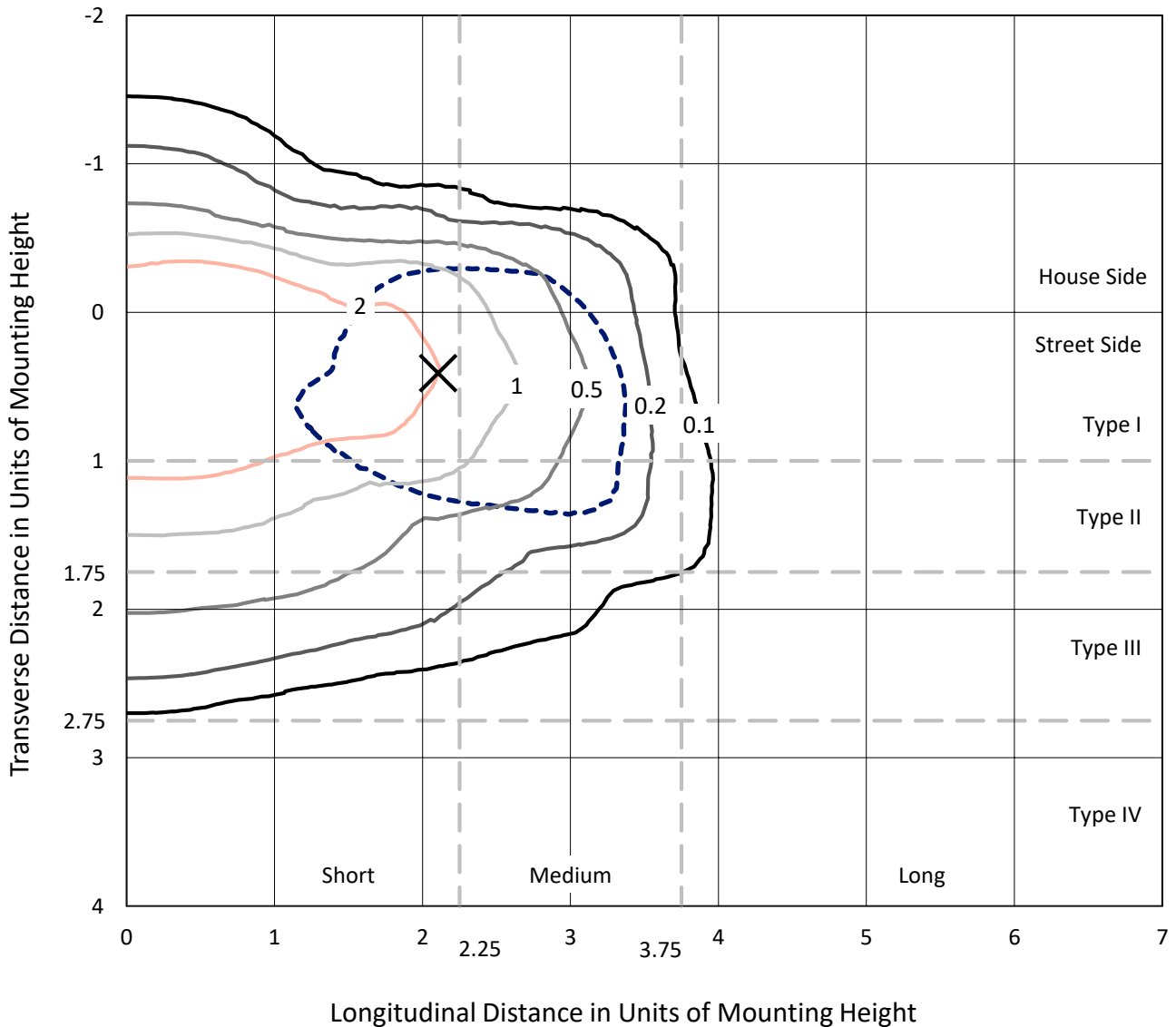
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

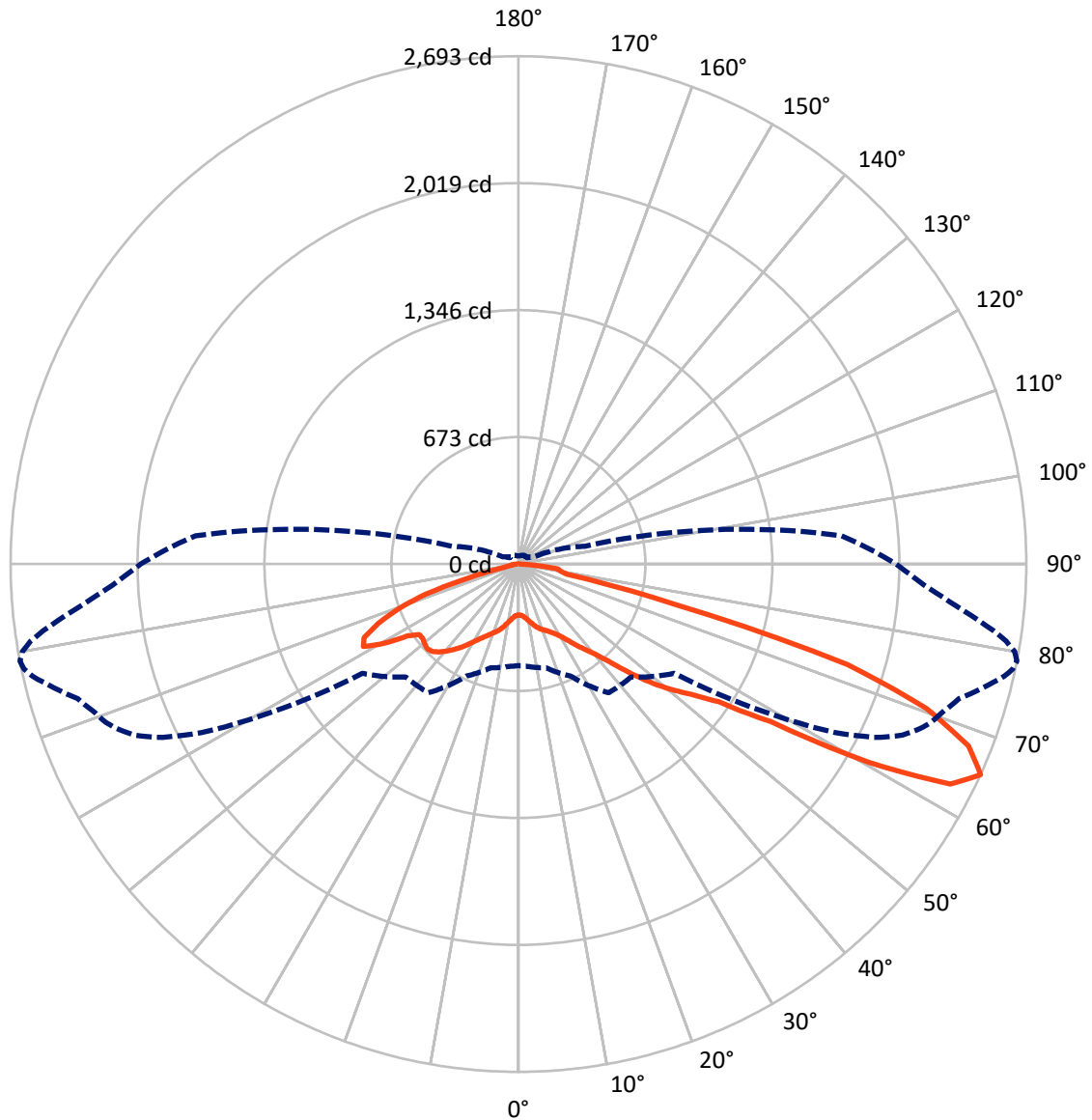
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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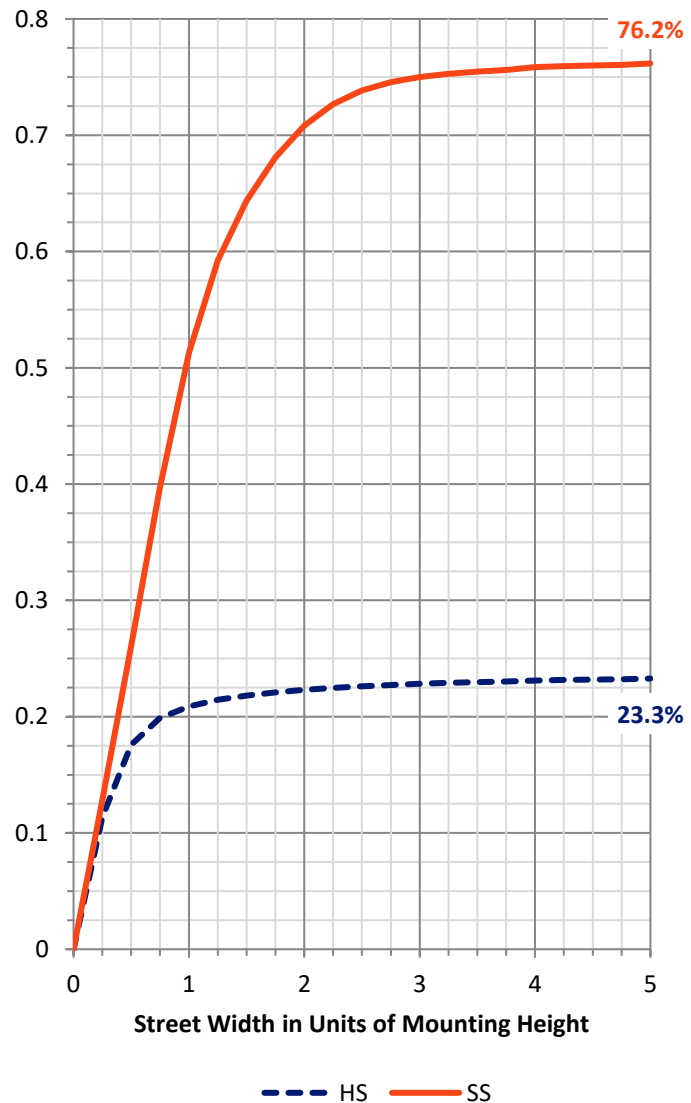
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	613.6	0.0	613.6
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	1982.1	0.0	1982.1
	% Fixture	76.4	0.0	76.4
Total	Lumens	2595.7	0.0	2595.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.0
10°-20°	87.8	3.4
20°-30°	151.7	5.8
30°-40°	251.1	9.7
40°-50°	425.8	16.4
50°-60°	565.8	21.8
60°-70°	730.9	28.2
70°-80°	306.5	11.8
80°-90°	49.2	1.9
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°	2595.7	100.0
0°-180°	2595.7	100.0



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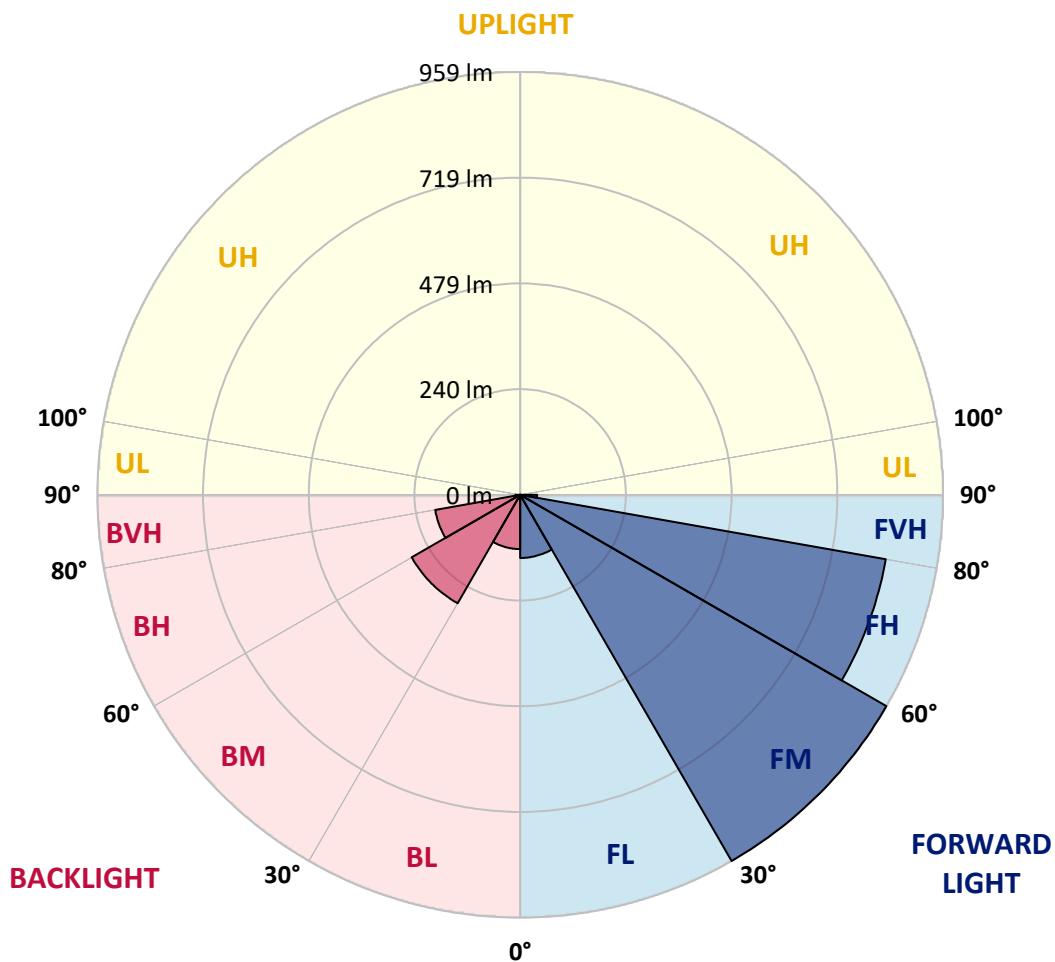
CATALOG NUMBER: ICM-E01-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.2	5.5			
FM (30°-60°)	958.7	36.9			
FH (60°-80°)	841.7	32.4			G1/1800
FVH (80°-90°)	38.5	1.5			G1/100
BL (0°-30°)	123.1	4.7	B1/500		
BM (30°-60°)	284.0	10.9	B1/1000		
BH (60°-80°)	195.7	7.5	B1/500		G1/500
BVH (80°-90°)	10.7	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°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	269.3	270.1	269.6	270.1	270.8	271.1	271.6	271.4	271.4	271.6	271.1
5°	269.3	269.3	270.1	271.6	272.2	273.9	275.8	275.5	275.8	275.5	276.1
7.5°	275.0	274.7	275.5	277.3	277.9	280.4	283.8	284.4	284.9	284.9	285.8
10°	284.9	284.7	285.5	286.3	287.2	289.1	294.0	296.0	296.3	296.6	297.7
12.5°	297.4	297.1	296.0	296.0	295.6	299.4	305.9	309.6	310.1	311.3	312.1
15°	306.1	305.3	303.6	302.5	303.9	309.9	319.4	323.7	324.3	325.1	327.4
17.5°	314.6	313.8	310.1	307.3	309.3	318.9	331.9	336.5	337.6	338.4	341.0
20°	326.5	326.0	320.6	313.8	313.2	325.7	341.6	347.5	348.4	349.5	352.0
22.5°	344.7	342.1	335.9	323.2	316.9	329.7	348.4	356.6	357.7	358.8	362.2
25°	367.4	366.2	355.4	335.9	322.9	333.6	355.7	365.9	367.6	369.0	373.6
27.5°	390.8	389.1	377.5	352.0	333.3	341.6	367.4	379.0	381.2	383.4	387.7
30°	411.8	411.3	401.6	373.9	350.3	356.6	386.0	400.2	402.7	405.6	409.5
32.5°	461.0	461.3	451.4	423.1	391.4	383.7	412.9	434.1	435.3	438.7	445.8
35°	555.4	556.5	552.8	530.4	494.8	463.4	466.1	487.2	488.3	491.1	497.9
37.5°	618.5	620.8	632.1	639.2	621.1	606.6	570.7	562.4	563.4	561.6	560.2
40°	653.4	656.7	686.5	723.4	743.2	743.4	727.8	691.6	677.7	673.8	656.7
42.5°	673.2	678.9	721.0	783.9	840.8	879.9	889.6	849.3	839.2	821.0	788.5
45°	686.2	693.0	742.9	828.9	912.7	979.4	1029.5	1011.6	1004.8	993.8	963.7
47.5°	683.9	689.3	741.1	844.3	950.4	1045.0	1134.0	1152.4	1144.2	1141.3	1120.9
50°	642.6	647.4	700.1	806.3	929.8	1070.0	1200.3	1252.4	1252.4	1257.8	1251.5
52.5°	598.4	602.4	650.2	745.7	863.0	1045.6	1237.0	1323.4	1334.8	1344.1	1358.9
55°	581.7	586.5	622.8	704.4	806.1	975.9	1249.5	1376.7	1397.7	1413.5	1446.9
57.5°	589.7	594.4	620.2	682.0	772.6	904.8	1250.1	1448.4	1488.8	1521.4	1589.1
60°	623.9	628.5	650.0	702.6	763.8	863.8	1226.1	1562.5	1627.1	1688.2	1800.9
62.5°	608.1	613.7	645.1	736.9	829.2	832.7	1139.1	1650.8	1754.8	1845.1	2024.4
65°	538.7	544.7	569.2	655.1	833.2	846.2	1010.2	1652.6	1781.7	1903.7	2097.2
67.5°	408.9	411.3	430.8	499.5	666.4	861.2	877.7	1456.8	1579.7	1716.0	1915.6
70°	209.0	212.9	218.6	275.8	429.0	711.7	754.2	1073.7	1230.2	1371.0	1610.9
72.5°	72.5	74.0	79.6	105.4	209.0	467.0	660.2	735.8	830.3	962.1	1239.9
75°	43.6	43.6	45.6	53.2	95.4	243.3	587.4	600.9	613.7	657.9	839.7
77.5°	34.5	35.2	35.2	36.6	52.9	124.9	446.0	558.8	560.5	564.7	595.4
80°	24.7	25.8	28.0	29.2	34.2	68.6	250.3	490.5	523.9	540.1	562.4
82.5°	18.4	19.5	23.8	25.2	26.6	38.2	112.5	338.4	399.4	431.6	510.3
85°	8.2	9.7	16.2	17.9	18.7	20.4	52.7	96.3	110.7	124.4	164.0
87.5°	1.4	1.4	2.5	3.7	5.4	5.1	11.6	16.5	16.7	19.5	21.8
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	271.1	271.1	271.1	270.8	271.1	271.1	271.1	271.1	271.4	271.4	271.4
5°	277.0	276.4	276.7	276.7	276.7	276.4	277.0	276.7	277.0	277.9	277.6
7.5°	285.8	286.3	286.6	286.9	286.9	286.9	287.2	287.7	287.7	288.6	288.3
10°	298.8	298.5	298.8	299.6	300.5	300.7	301.6	301.3	301.9	303.1	304.2
12.5°	312.7	313.2	314.0	314.9	316.4	316.7	317.5	317.8	319.4	319.4	320.6
15°	328.3	328.6	330.2	330.5	332.2	332.7	334.2	334.8	336.7	337.0	338.1
17.5°	342.4	343.0	343.8	344.7	346.6	347.5	348.7	349.8	351.4	352.0	354.0
20°	353.8	354.9	355.2	356.8	358.5	359.7	360.8	362.0	363.6	364.5	366.5
22.5°	363.9	365.0	365.9	367.4	368.5	370.1	370.7	372.7	374.4	375.8	377.5
25°	375.0	376.7	377.5	380.1	380.9	382.6	384.0	386.0	388.3	390.0	392.3
27.5°	390.5	393.1	394.2	397.0	399.1	399.9	402.1	405.0	407.0	408.9	411.3
30°	412.1	416.9	417.8	419.7	423.4	424.0	426.8	429.0	432.2	434.1	436.2
32.5°	445.5	451.4	452.0	454.2	457.4	458.5	460.7	463.4	468.2	469.0	472.1
35°	496.7	499.3	501.6	502.4	504.9	506.4	508.1	510.9	515.7	515.2	518.5
37.5°	558.2	559.1	559.4	556.5	557.1	554.5	557.7	558.2	559.9	561.3	564.7
40°	646.1	637.2	636.1	629.3	622.5	618.8	617.4	611.7	613.1	613.7	616.6
42.5°	774.3	757.3	743.2	733.5	716.8	708.6	697.6	688.7	682.0	684.6	685.7
45°	936.8	912.5	889.9	860.4	838.6	823.0	803.4	785.9	778.0	774.3	778.8
47.5°	1099.2	1077.6	1051.0	1020.7	986.1	960.4	927.8	899.2	879.4	872.0	876.0
50°	1239.4	1219.5	1199.4	1181.6	1141.3	1113.3	1068.8	1031.7	1000.6	984.8	980.5
52.5°	1355.7	1345.2	1334.5	1319.4	1287.2	1259.2	1223.7	1187.3	1145.9	1113.6	1102.5
55°	1459.6	1465.9	1460.5	1460.8	1448.1	1430.2	1400.2	1373.0	1344.1	1307.5	1292.3
57.5°	1611.2	1648.0	1655.4	1673.8	1682.8	1692.5	1700.9	1684.8	1677.5	1650.2	1650.5
60°	1850.0	1903.7	1950.4	1992.9	2027.8	2061.8	2097.5	2113.3	2130.9	2139.1	2167.2
62.5°	2104.0	2155.3	2224.9	2281.9	2313.9	2358.1	2396.9	2422.1	2452.9	2485.8	2528.5
65°	2166.8	2228.6	2272.5	2310.4	2342.2	2365.7	2386.9	2416.9	2442.7	2494.8	2545.2
67.5°	2005.7	2055.0	2095.2	2132.6	2157.2	2177.0	2196.0	2215.8	2260.0	2307.4	2358.1
70°	1721.7	1781.1	1847.6	1896.1	1908.3	1925.3	1943.4	1969.1	1991.3	2040.8	2079.4
72.5°	1383.2	1468.8	1525.1	1592.2	1606.6	1632.5	1642.6	1662.7	1666.7	1693.6	1703.8
75°	964.0	1062.1	1118.7	1168.0	1177.6	1163.4	1169.1	1098.1	1079.9	1065.1	1053.2
77.5°	636.4	662.7	671.8	663.8	625.9	596.2	564.5	533.3	536.7	511.4	467.3
80°	565.9	571.8	563.6	555.6	533.9	502.7	474.0	444.9	430.5	415.2	392.6
82.5°	550.6	573.5	576.1	566.4	549.1	515.2	480.7	437.3	400.5	366.5	331.9
85°	184.1	224.0	241.9	258.6	263.6	269.6	249.2	221.5	188.1	165.7	129.7
87.5°	23.5	29.2	33.7	28.9	33.7	39.6	28.6	32.0	32.3	20.1	15.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	271.6	271.4	271.4	271.4	271.1	271.4	271.4	271.4	271.4	271.4	271.1
5°	277.9	277.9	278.7	279.0	278.4	278.1	278.4	278.7	278.7	278.4	278.7
7.5°	289.4	289.8	290.3	291.2	290.6	290.9	291.2	290.9	291.7	292.0	291.7
10°	304.2	304.7	306.1	306.4	306.1	307.3	307.5	307.0	307.5	307.5	308.7
12.5°	321.1	321.8	323.4	324.0	324.6	324.8	325.7	326.0	326.8	327.4	328.3
15°	339.5	340.1	341.3	343.3	343.8	344.4	344.9	346.6	347.0	348.1	348.9
17.5°	355.2	356.0	357.7	359.1	360.0	361.4	362.0	363.9	364.5	366.2	367.6
20°	367.6	369.0	370.4	372.1	373.6	375.3	375.8	377.8	379.0	379.8	381.5
22.5°	379.0	380.7	382.6	384.6	385.8	388.0	388.8	389.7	392.3	393.4	395.1
25°	393.7	395.4	397.6	400.2	401.3	404.2	405.0	406.4	409.2	410.3	412.9
27.5°	413.8	416.0	417.8	420.3	421.7	423.7	425.7	427.4	430.0	431.6	434.4
30°	439.0	440.7	443.5	445.5	447.7	450.6	452.8	454.5	456.0	458.5	461.7
32.5°	476.1	476.4	477.2	482.0	484.3	486.5	489.7	491.1	493.4	495.9	499.3
35°	522.2	524.7	526.8	529.0	531.6	534.1	535.3	539.5	541.5	544.9	548.3
37.5°	568.1	568.4	572.9	574.3	576.7	579.2	583.2	587.4	592.5	595.9	601.2
40°	617.4	619.6	625.3	628.2	631.0	637.2	640.4	647.2	655.6	660.5	669.5
42.5°	688.7	692.2	702.3	706.9	713.7	723.9	730.4	739.7	743.2	754.8	759.0
45°	782.2	792.7	807.4	817.0	829.2	840.3	846.0	850.2	855.3	864.4	863.3
47.5°	883.4	896.9	913.4	933.2	941.1	954.1	961.5	969.7	965.2	962.9	960.7
50°	987.0	1002.9	1024.7	1042.5	1054.7	1062.6	1068.8	1067.7	1058.1	1052.9	1038.8
52.5°	1102.2	1111.6	1132.3	1147.5	1154.9	1156.7	1155.3	1146.7	1137.7	1121.5	1104.8
55°	1279.0	1274.7	1283.0	1290.1	1287.7	1295.7	1275.3	1267.4	1245.0	1224.0	1201.7
57.5°	1638.1	1643.7	1597.9	1577.2	1573.5	1580.8	1544.9	1540.4	1486.3	1479.5	1441.9
60°	2163.2	2190.9	2155.0	2134.8	2080.5	2062.6	2022.4	2005.7	1953.9	1911.9	1859.0
62.5°	2558.0	2583.2	2598.2	2569.6	2537.9	2491.1	2430.2	2362.8	2307.9	2243.6	2187.5
65°	2593.7	2644.7	2679.2	2692.5	2670.2	2618.9	2543.8	2458.8	2374.7	2294.0	2223.2
67.5°	2426.8	2472.4	2526.0	2573.8	2576.7	2543.3	2479.3	2392.9	2295.7	2196.0	2113.0
70°	2140.2	2197.4	2244.2	2294.6	2329.7	2310.4	2278.4	2199.2	2098.3	2020.8	1925.3
72.5°	1740.7	1764.7	1776.0	1825.6	1826.2	1791.0	1768.4	1724.5	1643.2	1588.3	1515.5
75°	1016.5	963.4	907.2	858.1	818.2	801.5	727.3	714.8	664.9	634.1	588.8
77.5°	419.2	371.8	311.0	260.3	210.1	187.4	154.6	140.2	121.5	113.3	107.9
80°	359.4	314.6	268.7	224.8	185.8	146.7	114.1	88.7	69.7	59.2	55.0
82.5°	293.4	266.5	234.5	210.7	180.1	151.0	127.4	98.9	74.0	54.4	41.7
85°	106.0	87.0	70.0	64.3	51.3	42.2	35.4	30.3	24.9	19.8	17.6
87.5°	11.9	11.3	6.5	6.2	7.1	5.1	6.0	5.4	4.6	4.0	4.3
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	271.1	271.1	271.4	271.4	271.6	271.9	272.5	272.2	272.2	272.5	272.5
5°	278.7	279.5	279.3	279.3	279.3	279.5	279.8	278.7	277.6	276.4	275.8
7.5°	292.0	292.6	293.1	292.6	293.1	292.8	292.3	289.1	285.5	280.9	277.9
10°	309.3	309.3	309.9	309.6	310.7	309.9	308.1	301.0	293.1	283.5	276.4
12.5°	328.0	330.0	329.1	329.4	331.6	329.4	325.4	314.9	300.7	285.2	272.7
15°	350.0	350.9	351.4	350.6	352.0	350.0	343.0	326.2	305.6	283.8	265.4
17.5°	368.2	368.5	368.7	369.3	371.3	369.0	356.8	334.2	306.7	277.3	252.9
20°	382.3	383.7	384.8	384.8	387.7	384.3	368.2	338.1	303.1	266.5	237.0
22.5°	397.0	398.2	399.6	399.9	403.5	400.2	377.5	337.3	293.4	251.2	218.6
25°	415.2	416.3	417.5	418.9	424.0	419.2	386.9	333.9	280.1	233.1	198.8
27.5°	436.2	438.7	439.5	441.8	447.7	440.4	394.8	328.8	265.4	212.1	177.9
30°	464.2	467.3	468.5	471.5	479.7	463.6	399.4	320.0	246.7	190.9	155.4
32.5°	501.9	506.1	509.5	512.9	522.2	486.8	399.9	307.3	224.8	167.1	134.0
35°	551.2	557.7	560.2	562.4	571.3	512.0	397.3	288.3	198.2	142.7	116.9
37.5°	606.3	612.8	614.6	615.7	617.4	533.6	391.1	259.4	168.2	121.5	103.3
40°	674.3	680.0	682.2	680.6	671.5	550.2	377.2	225.7	139.1	107.1	94.9
42.5°	757.3	765.8	766.6	759.0	729.0	559.6	349.5	186.0	116.1	96.6	88.4
45°	860.1	859.5	854.7	849.3	791.5	555.9	310.7	151.5	101.7	88.4	82.4
47.5°	952.5	942.8	935.4	919.5	846.8	534.4	260.6	125.5	92.9	82.1	77.3
50°	1028.1	1010.5	994.9	977.7	887.9	496.2	210.7	106.5	84.7	76.7	72.5
52.5°	1087.8	1066.6	1048.5	1031.4	927.5	453.7	172.7	92.7	76.7	71.3	67.2
55°	1181.3	1160.0	1131.2	1112.5	988.1	414.6	148.1	81.6	69.1	65.7	61.5
57.5°	1417.8	1399.1	1364.5	1316.1	1143.9	399.9	134.2	73.0	62.9	60.9	57.5
60°	1830.7	1800.4	1755.4	1706.1	1460.5	409.8	123.2	67.2	58.6	56.9	54.4
62.5°	2142.2	2088.9	2038.0	1992.4	1713.7	409.5	108.7	62.6	55.5	54.7	52.1
65°	2155.0	2100.9	2049.6	2001.8	1719.4	364.5	91.7	58.6	55.0	54.7	50.4
67.5°	2040.6	1981.9	1932.4	1872.0	1591.6	284.9	73.7	56.1	57.2	56.7	49.9
70°	1853.6	1777.1	1736.4	1676.8	1400.8	199.4	60.7	56.9	62.0	60.3	50.7
72.5°	1454.9	1397.1	1335.1	1293.7	1096.6	126.0	51.0	57.5	64.0	61.2	52.9
75°	541.5	557.1	531.6	522.5	557.1	74.0	45.3	53.5	57.2	52.9	48.2
77.5°	109.3	104.5	99.2	98.0	126.6	45.6	41.7	46.4	43.9	38.8	39.1
80°	52.4	51.0	49.3	49.0	47.0	38.0	38.5	39.6	33.1	30.0	32.0
82.5°	34.8	32.8	32.3	31.2	31.7	34.0	36.6	34.0	25.5	23.8	28.9
85°	16.2	15.5	15.3	15.3	17.0	30.6	30.3	24.9	17.6	17.0	28.9
87.5°	4.0	4.0	4.3	4.0	4.6	9.0	7.9	7.6	6.5	7.3	13.6
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°	270.1	270.1	270.1
2.5°	272.2	272.5	272.2
5°	274.7	274.7	274.7
7.5°	274.7	273.9	273.6
10°	270.8	268.2	268.2
12.5°	263.9	259.7	259.2
15°	251.2	245.6	244.7
17.5°	235.1	227.4	226.0
20°	216.9	207.4	205.6
22.5°	197.1	186.0	185.2
25°	177.6	166.2	164.0
27.5°	155.7	144.7	143.6
30°	134.0	124.4	123.7
32.5°	115.5	109.6	108.5
35°	102.5	99.2	97.7
37.5°	94.0	91.4	91.2
40°	87.5	85.2	84.9
42.5°	82.1	80.2	79.9
45°	76.7	75.1	74.5
47.5°	71.3	69.7	69.4
50°	66.5	64.3	64.0
52.5°	62.0	59.7	59.2
55°	57.8	55.5	55.5
57.5°	54.0	51.8	51.5
60°	50.7	48.5	48.2
62.5°	48.2	45.3	45.0
65°	46.1	43.3	42.8
67.5°	45.0	41.7	40.7
70°	47.0	40.7	39.3
72.5°	47.3	39.9	38.0
75°	45.6	37.7	36.3
77.5°	39.9	33.7	32.3
80°	34.5	26.0	24.1
82.5°	32.8	21.2	18.4
85°	25.5	13.9	13.0
87.5°	14.4	7.6	6.2
90°	0.0	0.0	0.0

(END OF REPORT)