

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: P180467

Luminaire Tested: **ICM-E02-LED-E1-SL2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180467
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-E02-LED-E1-SL2-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5191.4 lumens
Efficiency: N/A
Efficacy: 99.6 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: B1 - U0 - G1

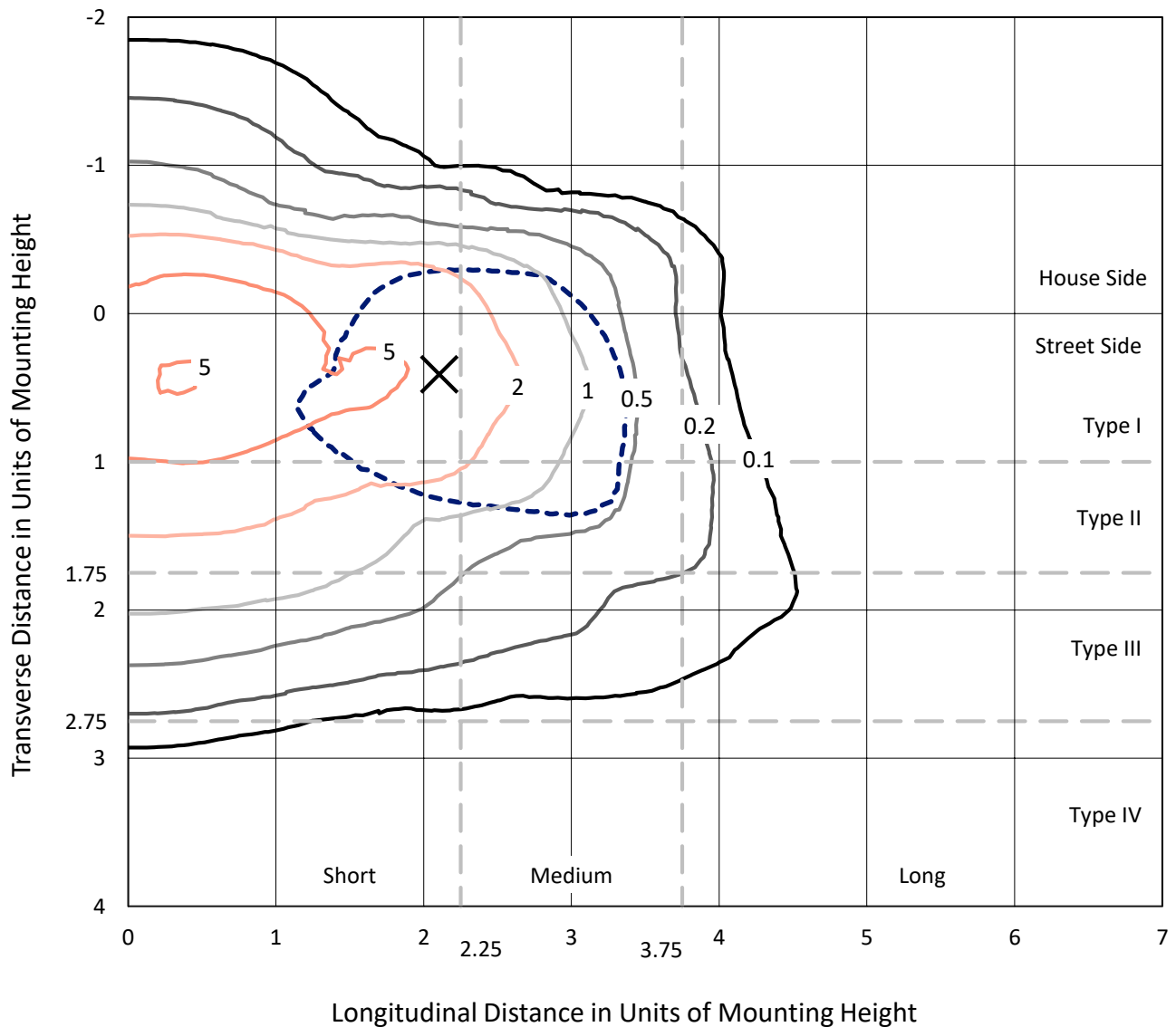
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

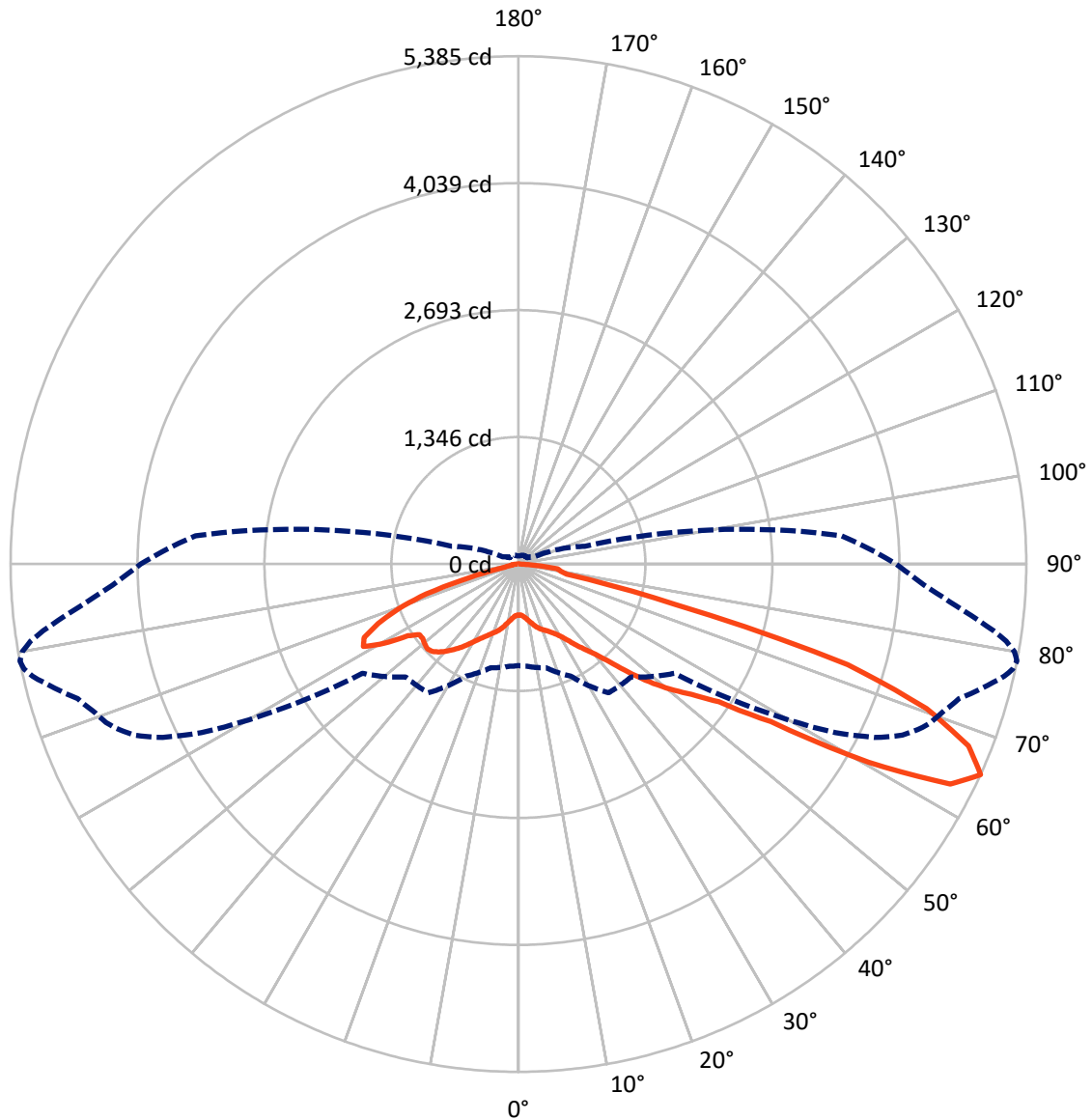
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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	1227.3	0.0	1227.3
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	3964.2	0.0	3964.2
	% Fixture	76.4	0.0	76.4
Total	Lumens	5191.4	0.0	5191.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	1.0
10°-20°	175.6	3.4
20°-30°	303.4	5.8
30°-40°	502.2	9.7
40°-50°	851.7	16.4
50°-60°	1131.6	21.8
60°-70°	1461.7	28.2
70°-80°	613.1	11.8
80°-90°	98.5	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°	5191.4	100.0
0°-180°	5191.4	100.0



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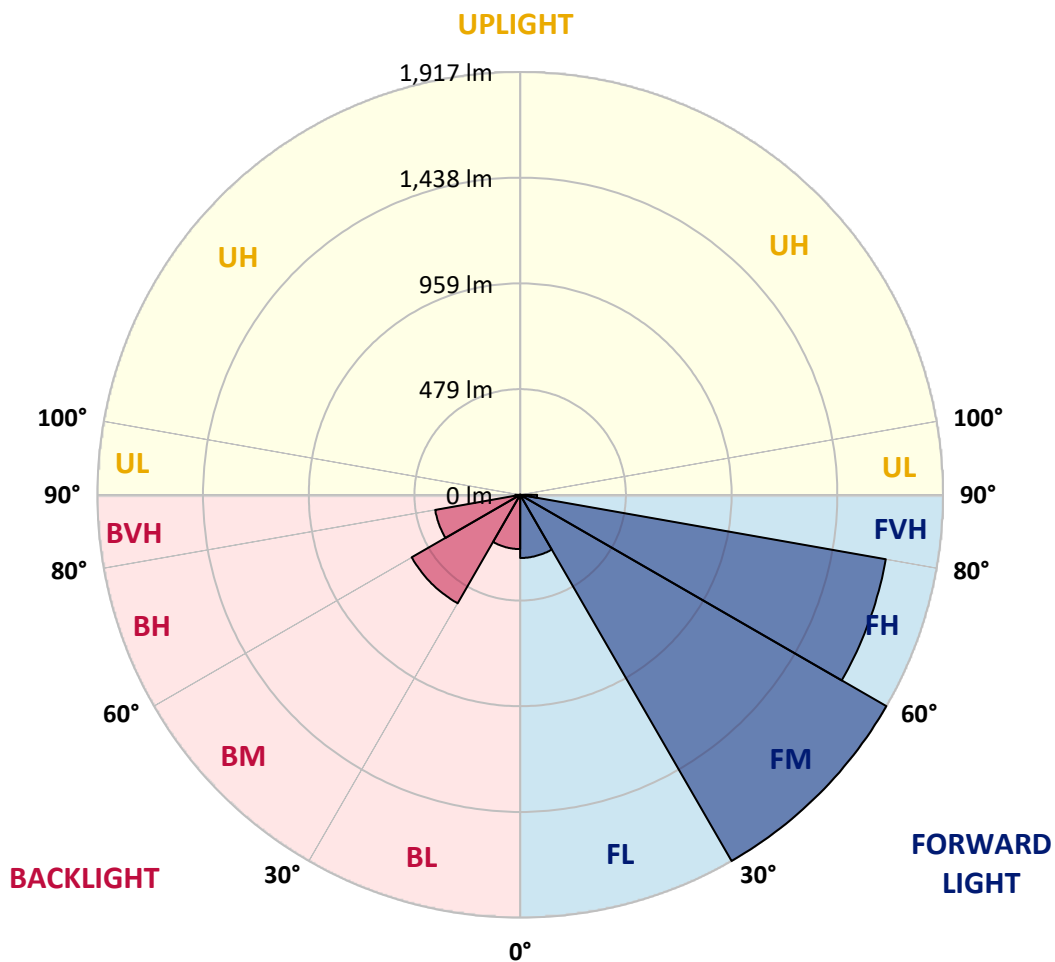
CATALOG NUMBER: ICM-E02-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	286.4	5.5			
FM	(30°-60°)	1917.3	36.9			
FH	(60°-80°)	1683.4	32.4			G1/1800
FVH	(80°-90°)	77.0	1.5			G1/100
BL	(0°-30°)	246.3	4.7	B1/500		
BM	(30°-60°)	568.1	10.9	B1/1000		
BH	(60°-80°)	391.4	7.5	B1/500		G1/500
BVH	(80°-90°)	21.5	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°	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4
2.5°	538.7	540.4	539.3	540.4	541.5	542.0	543.2	542.6	542.6	543.2	542.0
5°	538.7	538.7	540.4	543.2	544.4	547.7	551.7	551.2	551.7	551.2	552.3
7.5°	550.0	549.4	551.2	554.5	555.6	560.7	567.5	568.7	569.9	569.9	571.5
10°	569.9	569.2	571.0	572.7	574.3	578.3	587.9	591.9	592.5	593.0	595.4
12.5°	594.7	594.1	591.9	591.9	591.4	598.7	611.7	619.1	620.2	622.5	624.2
15°	612.3	610.6	607.2	604.9	607.7	619.6	638.9	647.4	648.6	650.2	654.8
17.5°	629.3	627.6	620.2	614.6	618.5	637.8	663.8	672.9	675.2	676.8	682.0
20°	653.1	651.9	641.2	627.6	626.4	651.4	683.1	695.0	696.7	699.0	704.1
22.5°	689.3	684.3	671.8	646.3	633.9	659.4	696.7	713.1	715.4	717.7	724.5
25°	734.6	732.4	710.9	671.8	645.7	667.3	711.4	731.8	735.3	738.1	747.1
27.5°	781.7	778.2	755.1	704.1	666.7	683.1	734.6	757.9	762.4	767.0	775.4
30°	823.5	822.4	803.2	747.6	700.7	713.1	772.0	800.4	805.5	811.1	819.1
32.5°	922.1	922.7	902.9	846.2	782.8	767.5	825.9	868.3	870.6	877.4	891.5
35°	1110.8	1113.0	1105.7	1060.9	989.5	926.7	932.3	974.2	976.5	982.1	995.7
37.5°	1237.0	1241.6	1264.3	1278.4	1242.1	1213.3	1141.3	1124.9	1126.6	1123.2	1120.4
40°	1306.7	1313.5	1373.0	1446.6	1486.3	1486.9	1455.7	1383.2	1355.5	1347.5	1313.5
42.5°	1346.4	1357.7	1442.1	1567.8	1681.7	1759.9	1779.2	1698.7	1678.3	1642.1	1576.9
45°	1372.5	1386.1	1485.7	1658.0	1825.6	1958.7	2059.0	2023.3	2009.7	1987.5	1927.5
47.5°	1367.9	1378.7	1482.3	1688.5	1900.9	2090.1	2267.9	2304.8	2288.4	2282.7	2241.9
50°	1285.2	1294.8	1400.2	1612.6	1859.5	2139.9	2400.5	2504.8	2504.8	2515.5	2503.0
52.5°	1196.8	1204.8	1300.5	1491.4	1725.9	2091.3	2474.2	2646.9	2669.5	2688.2	2717.7
55°	1163.4	1173.0	1245.6	1408.7	1612.0	1951.9	2499.1	2753.4	2795.3	2827.0	2893.9
57.5°	1179.3	1188.9	1240.5	1363.9	1545.2	1809.7	2500.2	2896.7	2977.7	3042.8	3178.2
60°	1247.8	1256.8	1299.9	1405.3	1527.6	1727.5	2452.0	3124.9	3254.1	3376.5	3601.9
62.5°	1216.1	1227.4	1290.3	1473.9	1658.5	1665.3	2278.2	3301.7	3509.5	3690.3	4048.8
65°	1077.3	1089.2	1138.5	1310.1	1666.4	1692.5	2020.4	3305.0	3563.4	3807.5	4194.4
67.5°	818.0	822.4	861.5	999.2	1332.8	1722.5	1755.4	2913.7	3159.5	3431.9	3831.3
70°	418.0	426.0	437.3	551.7	858.1	1423.5	1508.4	2147.3	2460.6	2742.1	3221.8
72.5°	145.0	147.8	159.2	210.7	418.0	934.1	1320.3	1471.5	1660.8	1924.1	2479.8
75°	87.3	87.3	91.2	106.5	190.9	486.5	1174.8	1202.0	1227.4	1315.8	1679.5
77.5°	69.1	70.2	70.2	73.0	106.0	249.8	892.1	1117.6	1120.9	1129.4	1190.6
80°	49.3	51.5	56.1	58.3	68.6	137.1	500.7	981.0	1047.9	1080.2	1124.9
82.5°	36.8	39.1	47.5	50.4	53.2	76.5	224.8	676.8	798.6	863.3	1020.7
85°	16.5	19.3	32.3	35.7	37.4	40.7	105.4	192.6	221.5	248.7	328.0
87.5°	2.8	2.8	5.1	7.3	10.8	10.2	23.3	32.8	33.4	39.1	43.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4
2.5°	542.0	542.0	542.0	541.5	542.0	542.0	542.0	542.0	542.6	542.6	542.6
5°	554.0	552.8	553.4	553.4	553.4	552.8	554.0	553.4	554.0	555.6	555.1
7.5°	571.5	572.7	573.2	573.8	573.8	573.8	574.3	575.4	575.4	577.2	576.7
10°	597.6	597.0	597.6	599.3	600.9	601.6	603.3	602.7	603.8	606.1	608.4
12.5°	625.3	626.4	628.2	629.9	632.7	633.3	635.0	635.5	638.9	638.9	641.2
15°	656.5	657.0	660.5	661.0	664.4	665.6	668.4	669.5	673.5	674.1	676.3
17.5°	684.8	686.0	687.6	689.3	693.3	695.0	697.3	699.5	702.9	704.1	708.0
20°	707.4	709.8	710.3	713.7	717.1	719.4	721.6	723.9	727.3	729.0	732.9
22.5°	727.8	730.1	731.8	734.6	736.9	740.3	741.5	745.4	748.8	751.6	755.1
25°	750.0	753.3	755.1	760.1	761.9	765.2	768.1	772.0	776.6	780.0	784.5
27.5°	781.1	786.2	788.5	794.1	798.1	799.8	804.3	810.0	814.0	818.0	822.4
30°	824.1	833.8	835.4	839.4	846.8	847.9	853.6	858.1	864.4	868.3	872.3
32.5°	891.0	902.9	904.0	908.6	914.8	917.0	921.6	926.7	936.3	938.0	944.2
35°	993.5	998.6	1003.2	1004.8	1010.0	1012.8	1016.2	1021.9	1031.4	1030.3	1037.1
37.5°	1116.4	1118.1	1118.7	1113.0	1114.1	1109.0	1115.3	1116.4	1119.8	1122.6	1129.4
40°	1292.0	1274.4	1272.2	1258.6	1245.0	1237.6	1234.8	1223.4	1226.3	1227.4	1233.1
42.5°	1548.6	1514.6	1486.3	1467.1	1433.6	1417.2	1395.1	1377.5	1363.9	1369.0	1371.3
45°	1873.7	1825.0	1779.7	1720.8	1677.2	1646.1	1606.9	1571.8	1555.9	1548.6	1557.7
47.5°	2198.2	2155.3	2102.0	2041.4	1972.3	1920.8	1855.6	1798.4	1758.7	1744.0	1751.9
50°	2478.6	2439.0	2398.8	2363.1	2282.7	2226.6	2137.7	2063.5	2001.1	1969.4	1960.9
52.5°	2711.5	2690.5	2668.9	2639.0	2574.4	2518.3	2447.5	2374.4	2291.7	2227.2	2205.0
55°	2919.4	2931.8	2921.0	2921.6	2896.1	2860.4	2800.4	2746.0	2688.2	2615.2	2584.6
57.5°	3222.3	3296.0	3310.7	3347.6	3365.7	3385.0	3402.0	3369.6	3354.9	3300.6	3301.1
60°	3699.8	3807.5	3901.0	3985.9	4055.6	4123.6	4194.9	4226.6	4261.8	4278.2	4334.3
62.5°	4207.9	4310.4	4449.8	4563.7	4627.7	4716.0	4793.6	4844.0	4905.8	4971.5	5057.1
65°	4333.7	4457.1	4545.0	4620.9	4684.3	4731.3	4773.8	4833.9	4885.4	4989.6	5090.4
67.5°	4011.4	4110.0	4190.4	4265.1	4314.4	4354.1	4392.0	4431.7	4520.0	4614.6	4716.0
70°	3443.3	3562.3	3695.4	3792.2	3816.6	3850.5	3886.8	3938.3	3982.5	4081.6	4158.6
72.5°	2766.4	2937.5	3050.2	3184.4	3213.3	3264.9	3285.2	3325.5	3333.4	3387.2	3407.6
75°	1928.1	2124.1	2237.4	2335.9	2355.2	2326.9	2338.2	2196.0	2159.7	2130.3	2106.5
77.5°	1272.8	1325.4	1343.5	1327.7	1251.8	1192.3	1128.8	1066.6	1073.4	1023.0	934.6
80°	1131.7	1143.6	1127.2	1111.4	1067.7	1005.4	948.2	889.9	860.9	830.3	785.0
82.5°	1101.1	1147.0	1152.1	1132.8	1098.3	1030.3	961.2	874.5	800.9	732.9	663.8
85°	368.2	448.0	483.7	517.1	527.4	539.3	498.4	443.0	376.1	331.4	259.4
87.5°	47.0	58.3	67.4	57.8	67.4	79.3	57.2	64.0	64.6	40.2	30.0
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°	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4
2.5°	543.2	542.6	542.6	542.6	542.0	542.6	542.6	542.6	542.6	542.6	542.0
5°	555.6	555.6	557.4	558.0	556.7	556.2	556.7	557.4	557.4	556.7	557.4
7.5°	578.9	579.4	580.6	582.2	581.1	581.7	582.2	581.7	583.4	584.0	583.4
10°	608.4	609.5	612.3	612.8	612.3	614.6	615.2	614.0	615.2	615.2	617.4
12.5°	642.3	643.4	646.9	648.0	649.1	649.7	651.4	651.9	653.7	654.8	656.5
15°	679.2	680.3	682.5	686.5	687.6	688.7	689.9	693.3	693.9	696.1	697.9
17.5°	710.3	712.0	715.4	718.2	719.9	722.8	723.9	727.8	729.0	732.4	735.3
20°	735.3	738.1	740.8	744.3	747.1	750.5	751.6	755.6	757.9	759.5	763.0
22.5°	757.9	761.3	765.2	769.2	771.4	776.0	777.7	779.4	784.5	786.8	790.1
25°	787.4	790.7	795.3	800.4	802.6	808.3	810.0	812.8	818.5	820.7	825.9
27.5°	827.5	832.1	835.4	840.6	843.4	847.4	851.4	854.7	859.8	863.3	868.9
30°	878.0	881.3	887.0	891.0	895.5	901.2	905.7	909.1	911.9	917.0	923.3
32.5°	952.2	952.8	954.4	964.0	968.6	973.1	979.4	982.1	986.7	991.8	998.6
35°	1044.5	1049.6	1053.6	1058.1	1063.2	1068.3	1070.5	1079.1	1083.0	1089.8	1096.6
37.5°	1136.3	1136.8	1145.9	1148.7	1153.2	1158.3	1166.2	1174.8	1184.9	1191.7	1202.5
40°	1234.8	1239.4	1250.7	1256.3	1262.0	1274.4	1280.7	1294.2	1311.3	1320.9	1339.0
42.5°	1377.5	1384.4	1404.8	1413.8	1427.4	1447.7	1460.8	1479.5	1486.3	1509.5	1518.1
45°	1564.5	1585.4	1614.9	1634.1	1658.5	1680.6	1691.9	1700.4	1710.6	1728.8	1726.4
47.5°	1766.7	1793.9	1826.7	1866.3	1882.2	1908.3	1923.0	1939.5	1930.3	1925.9	1921.3
50°	1974.0	2005.7	2049.3	2085.0	2109.3	2125.2	2137.7	2135.5	2116.2	2106.0	2077.6
52.5°	2204.5	2223.2	2264.6	2295.2	2309.9	2313.2	2310.4	2293.4	2275.4	2243.0	2209.6
55°	2558.0	2549.5	2565.9	2580.0	2575.6	2591.4	2550.6	2534.7	2490.0	2448.1	2403.4
57.5°	3276.2	3287.6	3195.7	3154.4	3147.0	3161.8	3089.9	3080.8	2972.6	2959.0	2883.6
60°	4326.4	4381.9	4309.9	4269.7	4161.0	4125.2	4044.9	4011.4	3907.7	3823.9	3718.0
62.5°	5115.9	5166.4	5196.4	5139.2	5075.8	4982.3	4860.5	4725.7	4615.7	4487.2	4375.0
65°	5187.3	5289.2	5358.4	5385.0	5340.2	5237.7	5087.6	4917.7	4749.4	4588.0	4446.4
67.5°	4853.7	4944.9	5051.9	5147.7	5153.3	5086.4	4958.4	4785.7	4591.4	4392.0	4226.1
70°	4280.5	4394.9	4488.3	4589.1	4659.4	4620.9	4556.9	4398.3	4196.6	4041.4	3850.5
72.5°	3481.2	3529.4	3552.0	3651.2	3652.3	3582.1	3536.8	3449.0	3286.3	3176.5	3030.9
75°	2032.8	1927.0	1814.2	1716.3	1636.4	1603.0	1454.6	1429.7	1330.0	1268.2	1177.6
77.5°	838.3	743.7	622.0	520.6	420.3	375.0	309.3	280.4	243.0	226.6	215.8
80°	718.8	629.3	537.5	449.8	371.5	293.4	228.3	177.3	139.3	118.4	109.9
82.5°	586.8	533.0	469.0	421.4	360.3	301.9	254.9	197.7	147.8	108.7	83.3
85°	211.8	173.9	139.9	128.6	102.5	84.4	70.8	60.7	49.9	39.6	35.2
87.5°	23.8	22.7	13.0	12.5	14.1	10.2	11.9	10.8	9.0	7.9	8.5
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4
2.5°	542.0	542.0	542.6	542.6	543.2	543.7	544.9	544.4	544.4	544.9	544.9
5°	557.4	559.1	558.5	558.5	558.5	559.1	559.6	557.4	555.1	552.8	551.7
7.5°	584.0	585.1	586.2	585.1	586.2	585.7	584.6	578.3	571.0	561.9	555.6
10°	618.5	618.5	619.6	619.1	621.4	619.6	616.3	602.1	586.2	567.0	552.8
12.5°	655.9	659.9	658.1	658.8	663.3	658.8	650.8	629.9	601.6	570.4	545.5
15°	700.1	701.8	702.9	701.2	704.1	700.1	686.0	652.6	611.2	567.5	530.7
17.5°	736.4	736.9	737.5	738.6	742.6	738.1	713.7	668.4	613.4	554.5	505.8
20°	764.7	767.5	769.8	769.8	775.4	768.7	736.4	676.3	606.1	533.0	474.0
22.5°	794.1	796.4	799.3	799.8	807.2	800.4	755.1	674.6	586.8	502.4	437.3
25°	830.3	832.7	834.9	837.8	847.9	838.3	773.8	667.8	560.2	466.1	397.6
27.5°	872.3	877.4	879.1	883.6	895.5	880.7	789.6	657.6	530.7	424.3	355.7
30°	928.4	934.6	936.8	943.1	959.5	927.3	798.6	640.1	493.4	381.8	311.0
32.5°	1003.7	1012.2	1019.0	1025.8	1044.5	973.7	799.8	614.6	449.8	334.2	267.9
35°	1102.2	1115.3	1120.4	1124.9	1142.5	1024.1	794.7	576.7	396.5	285.5	234.0
37.5°	1212.8	1225.8	1229.1	1231.4	1234.8	1067.2	782.2	518.9	336.5	243.0	206.7
40°	1348.7	1360.0	1364.5	1361.1	1343.0	1100.6	754.5	451.4	278.1	214.1	189.8
42.5°	1514.6	1531.6	1533.3	1518.1	1458.0	1119.3	699.0	372.1	232.2	193.1	176.7
45°	1720.2	1719.1	1709.5	1698.7	1583.2	1111.9	621.4	303.1	203.4	176.7	164.8
47.5°	1904.8	1885.6	1870.9	1839.2	1693.6	1068.8	521.1	250.9	185.8	164.3	154.6
50°	2056.1	2021.0	1989.9	1955.3	1775.7	992.4	421.4	212.9	169.4	153.5	145.0
52.5°	2175.6	2133.1	2096.9	2062.9	1855.0	907.4	345.5	185.2	153.5	142.7	134.2
55°	2362.5	2320.1	2262.2	2224.9	1976.3	829.2	296.3	163.2	138.2	131.4	122.9
57.5°	2835.6	2798.2	2729.0	2632.2	2287.7	799.8	268.5	146.1	125.8	121.8	115.0
60°	3661.3	3600.8	3510.7	3412.1	2921.0	819.6	246.4	134.2	117.2	113.9	108.7
62.5°	4284.4	4177.9	4075.9	3984.8	3427.5	819.1	217.5	125.2	111.0	109.3	104.2
65°	4309.9	4201.7	4099.2	4003.5	3438.7	729.0	183.5	117.2	109.9	109.3	100.8
67.5°	4081.0	3963.8	3864.7	3744.0	3183.3	569.9	147.3	112.2	114.4	113.3	99.7
70°	3707.3	3554.3	3472.8	3353.8	2801.5	398.8	121.2	113.9	124.0	120.7	101.4
72.5°	2909.7	2794.2	2670.2	2587.5	2193.2	252.1	102.0	115.0	128.0	122.3	106.0
75°	1083.0	1114.1	1063.2	1045.0	1114.1	147.8	90.6	107.1	114.4	106.0	96.3
77.5°	218.6	209.0	198.2	196.0	253.2	91.2	83.3	92.9	87.8	77.6	78.1
80°	104.7	102.0	98.5	98.0	94.0	75.9	77.0	79.3	66.2	60.0	64.0
82.5°	69.7	65.7	64.6	62.3	63.4	68.0	73.0	68.0	51.0	47.5	57.8
85°	32.3	31.2	30.6	30.6	34.0	61.2	60.7	49.9	35.2	34.0	57.8
87.5°	7.9	7.9	8.5	7.9	9.0	18.1	15.8	15.3	13.0	14.7	27.2
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°	540.4	540.4	540.4
2.5°	544.4	544.9	544.4
5°	549.4	549.4	549.4
7.5°	549.4	547.7	547.2
10°	541.5	536.4	536.4
12.5°	527.9	519.4	518.2
15°	502.4	491.1	489.4
17.5°	470.1	454.8	452.0
20°	433.9	414.6	411.3
22.5°	394.2	372.1	370.4
25°	355.2	332.5	328.0
27.5°	311.5	289.4	287.2
30°	267.9	248.7	247.5
32.5°	231.1	219.2	216.9
35°	205.0	198.2	195.4
37.5°	188.1	183.0	182.4
40°	175.1	170.5	170.0
42.5°	164.3	160.3	159.7
45°	153.5	150.1	148.9
47.5°	142.7	139.3	138.8
50°	133.1	128.6	128.0
52.5°	124.0	119.5	118.4
55°	115.5	111.0	111.0
57.5°	108.2	103.6	103.1
60°	101.4	96.8	96.3
62.5°	96.3	90.6	90.0
65°	92.4	86.7	85.5
67.5°	90.0	83.3	81.6
70°	94.0	81.6	78.7
72.5°	94.6	79.9	75.9
75°	91.2	75.3	72.5
77.5°	79.9	67.4	64.6
80°	69.1	52.1	48.2
82.5°	65.7	42.5	36.8
85°	51.0	27.7	26.0
87.5°	28.9	15.3	12.5
90°	0.0	0.0	0.0

(END OF REPORT)