

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: P180683

Luminaire Tested: **ICM-F03-LED-E1-SL3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180683
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-SL3
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6994.7 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

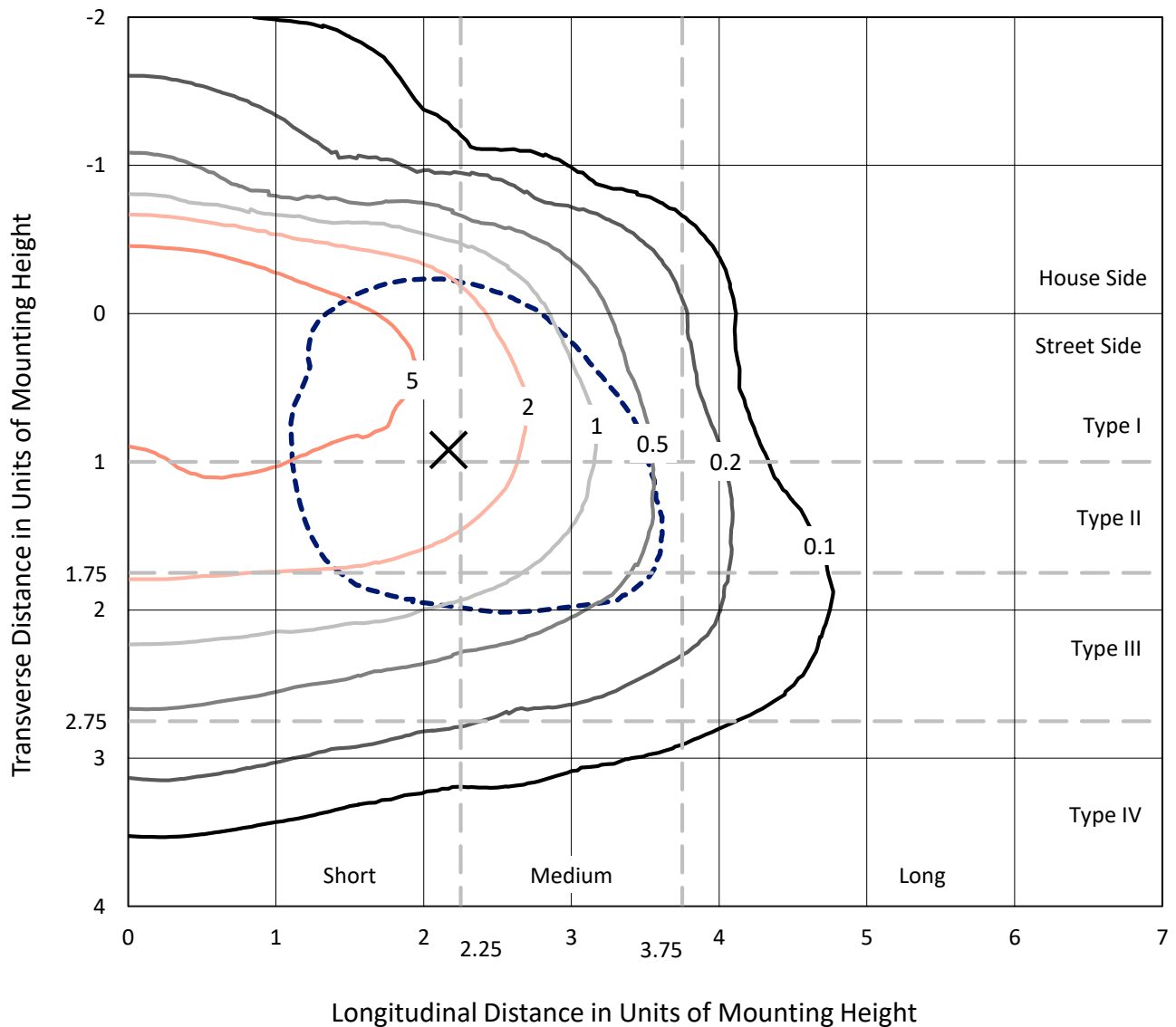
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

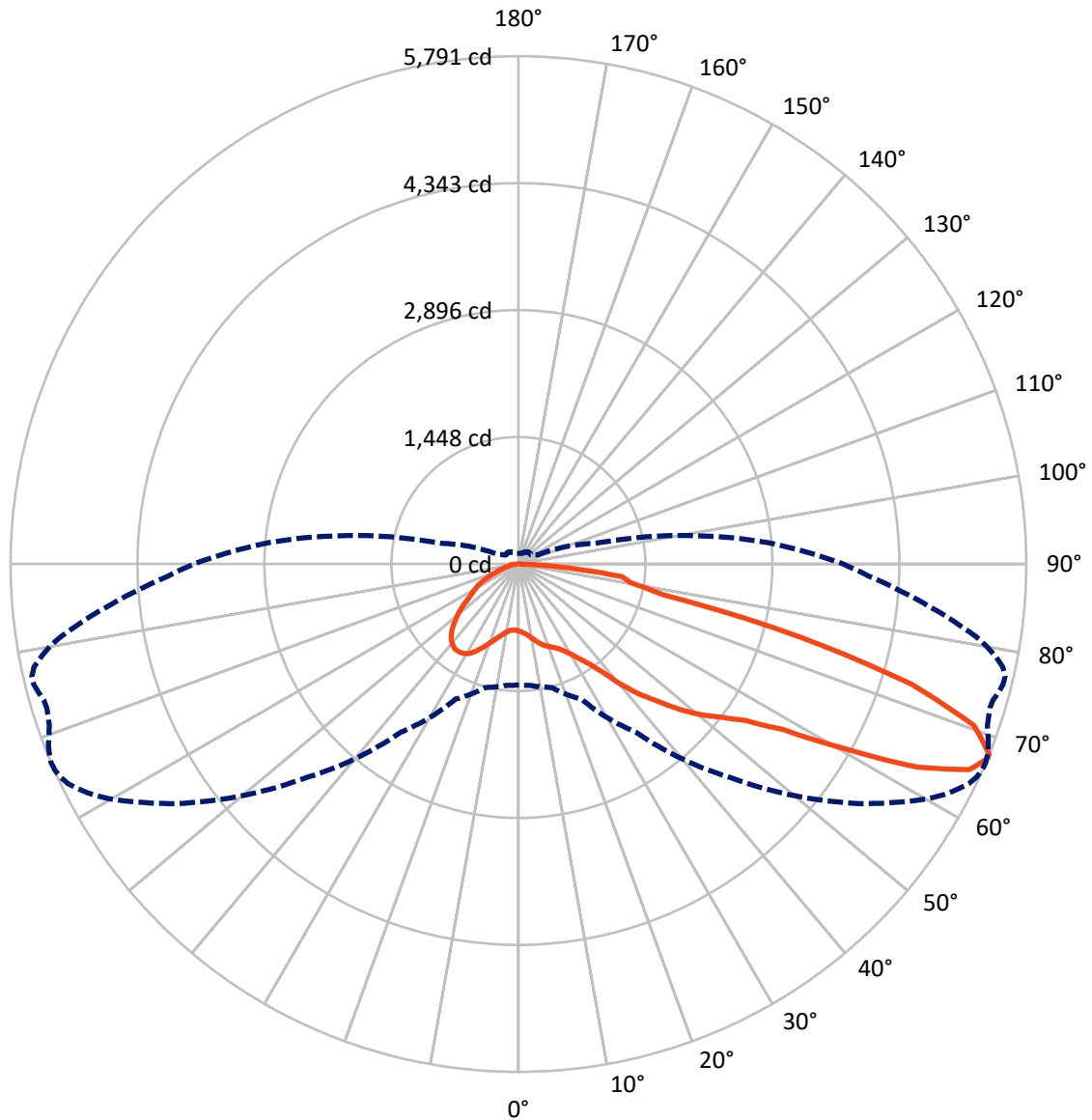
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1614.1	0.0	1614.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5380.6	0.0	5380.6
	% Fixture	76.9	0.0	76.9
Total	Lumens	6994.7	0.0	6994.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	1.1
10°-20°	260.9	3.7
20°-30°	460.6	6.6
30°-40°	661.1	9.5
40°-50°	1004.1	14.4
50°-60°	1478.4	21.1
60°-70°	1964.7	28.1
70°-80°	961.2	13.7
80°-90°	127.6	1.8
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°	6994.7	100.0
0°-180°	6994.7	100.0



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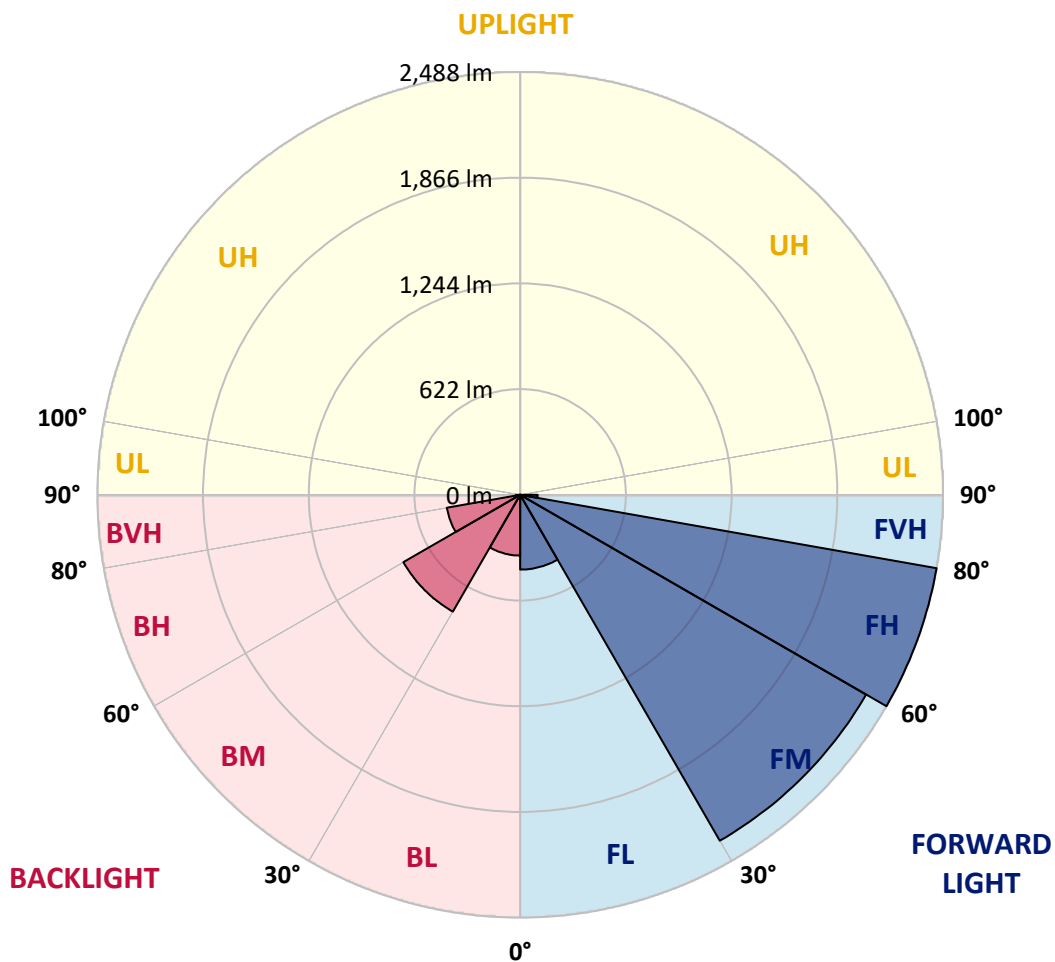
CATALOG NUMBER: ICM-F03-LED-E1-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.0	6.3			
FM	(30°-60°)	2350.1	33.6			
FH	(60°-80°)	2488.0	35.6			G2/5000
FVH	(80°-90°)	102.5	1.5			G2/225
BL	(0°-30°)	357.5	5.1	B1/500		
BM	(30°-60°)	793.6	11.3	B1/1000		
BH	(60°-80°)	438.0	6.3	B1/500		G1/500
BVH	(80°-90°)	25.1	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1
2.5°	800.2	800.9	799.4	798.6	794.1	789.4	786.3	782.5	782.5	782.5	781.0
5°	845.5	842.4	844.7	839.4	830.1	821.7	813.2	806.3	804.8	804.8	801.7
7.5°	900.0	896.2	894.6	887.0	873.1	860.8	844.0	837.0	833.2	831.6	830.1
10°	966.1	966.1	956.1	943.0	924.6	903.1	884.7	872.4	871.6	871.6	864.7
12.5°	1033.7	1035.2	1022.1	1009.0	979.1	950.7	929.2	915.4	914.6	911.5	907.7
15°	1095.8	1092.0	1083.5	1064.4	1031.4	997.6	970.7	956.8	953.8	950.7	948.4
17.5°	1147.3	1143.4	1132.7	1108.1	1073.6	1033.7	1000.7	986.1	984.5	983.0	979.9
20°	1179.5	1176.5	1161.1	1132.7	1096.6	1055.9	1020.6	1010.6	1007.5	1007.5	1006.0
22.5°	1198.0	1193.4	1171.1	1133.5	1098.1	1068.2	1039.0	1032.8	1030.6	1031.4	1031.4
25°	1207.2	1203.4	1171.9	1118.1	1084.3	1075.9	1063.6	1059.7	1060.5	1061.3	1062.8
27.5°	1208.8	1203.4	1166.5	1098.1	1066.7	1090.4	1098.9	1105.0	1105.0	1108.1	1113.5
30°	1197.2	1191.1	1155.7	1082.8	1059.0	1119.6	1153.4	1169.6	1175.7	1174.1	1186.4
32.5°	1177.2	1173.4	1145.0	1082.8	1080.5	1177.2	1237.1	1260.2	1263.3	1264.8	1278.6
35°	1170.3	1169.6	1157.3	1119.6	1147.3	1278.6	1370.0	1387.6	1391.5	1391.5	1401.5
37.5°	1168.8	1172.7	1186.4	1188.8	1264.8	1429.1	1548.9	1575.8	1575.8	1583.5	1583.5
40°	1168.8	1177.2	1229.5	1291.6	1408.4	1624.9	1790.8	1821.5	1821.5	1830.0	1825.4
42.5°	1214.1	1226.4	1312.4	1430.7	1589.6	1826.9	2017.4	2051.9	2054.2	2051.9	2058.8
45°	1303.2	1314.0	1418.3	1588.1	1776.2	2043.5	2234.0	2275.4	2266.9	2272.3	2274.6
47.5°	1421.4	1438.3	1557.4	1760.1	1958.2	2243.9	2476.6	2514.2	2511.2	2513.4	2503.5
50°	1547.4	1565.0	1697.9	1930.6	2139.5	2405.1	2671.6	2727.7	2722.3	2726.2	2731.6
52.5°	1658.7	1669.5	1797.8	2058.8	2276.9	2555.6	2821.4	2891.3	2903.6	2905.1	2908.9
55°	1724.8	1737.9	1855.4	2122.6	2376.8	2703.1	2992.7	3098.6	3122.4	3128.6	3145.5
57.5°	1747.8	1761.7	1868.4	2131.8	2431.3	2841.3	3231.5	3418.1	3438.1	3471.1	3524.9
60°	1747.1	1761.7	1854.5	2111.1	2486.5	3012.6	3603.2	3915.7	4017.0	4050.8	4127.7
62.5°	1675.6	1692.6	1787.0	2048.1	2557.2	3231.5	4156.0	4636.8	4767.4	4828.8	4911.8
65°	1519.0	1531.3	1619.5	1888.4	2537.2	3447.3	4618.4	5218.1	5337.1	5427.0	5575.2
67°	1380.0	1387.6	1456.8	1699.5	2342.2	3454.9	4764.3	5362.5	5466.2	5561.4	5714.2
67.5°	1344.7	1360.8	1414.5	1641.9	2269.2	3411.2	4754.3	5340.2	5446.2	5545.2	5706.5
70°	1094.3	1117.3	1144.2	1297.0	1783.9	2869.8	4401.8	4954.7	5047.7	5139.8	5364.8
72.5°	675.0	716.5	721.9	818.6	1161.1	1983.5	3561.7	4178.4	4248.2	4314.3	4544.7
75°	397.8	403.9	423.2	501.5	681.1	1185.7	2389.8	3104.0	3168.5	3200.8	3381.2
77.5°	222.0	228.1	244.2	311.8	523.7	798.6	1391.5	1823.8	1863.0	1903.7	1874.5
80°	92.2	100.6	108.3	126.0	244.9	630.5	956.8	1159.5	1184.9	1208.8	1238.7
82.5°	44.6	47.6	58.3	66.8	89.1	258.8	750.2	1005.2	1035.2	1069.8	1139.6
85°	20.7	23.1	32.3	38.4	43.0	65.3	251.1	489.2	530.6	538.3	552.2
87.5°	1.6	1.6	3.8	5.4	7.7	8.5	26.1	36.8	41.5	37.7	47.6
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°	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1
2.5°	780.2	779.4	778.0	778.0	777.1	777.1	777.1	775.6	775.6	775.6	774.9
5°	800.9	800.2	797.9	797.9	796.4	796.4	794.1	793.3	791.7	791.7	791.0
7.5°	827.8	827.1	824.0	824.0	821.7	820.9	819.4	817.1	817.1	815.5	814.1
10°	864.7	862.4	861.6	857.8	858.5	857.0	855.4	853.2	851.6	850.1	848.6
12.5°	906.1	906.1	902.3	900.0	901.6	900.0	896.9	896.2	893.9	893.9	891.5
15°	945.3	945.3	943.8	940.7	941.5	939.2	938.4	936.8	933.8	934.6	933.8
17.5°	979.1	979.1	976.8	975.3	975.3	972.9	973.8	972.2	970.7	969.9	967.6
20°	1006.0	1006.0	1004.5	1002.9	1003.7	1003.7	1001.4	1001.4	1001.4	999.8	999.8
22.5°	1032.1	1032.8	1032.8	1032.8	1033.7	1034.4	1033.7	1035.2	1034.4	1035.9	1035.9
25°	1066.7	1068.9	1070.5	1070.5	1074.3	1075.1	1075.9	1078.1	1078.1	1080.5	1081.2
27.5°	1118.1	1119.6	1125.8	1127.4	1128.1	1134.2	1135.0	1138.1	1141.1	1142.0	1142.7
30°	1188.8	1192.6	1197.2	1200.3	1200.3	1208.0	1211.1	1209.5	1218.0	1220.3	1223.4
32.5°	1283.3	1286.3	1290.9	1294.0	1297.0	1300.8	1301.7	1305.5	1312.4	1318.5	1314.7
35°	1402.2	1410.0	1402.2	1410.7	1413.0	1418.3	1416.8	1421.4	1424.5	1426.8	1426.1
37.5°	1575.1	1571.2	1569.7	1566.6	1561.2	1579.6	1570.4	1569.7	1565.0	1578.1	1569.7
40°	1802.3	1804.7	1807.0	1794.7	1787.7	1787.7	1785.4	1777.0	1773.1	1784.7	1783.2
42.5°	2039.6	2042.0	2031.2	2023.5	2005.9	2003.5	1992.8	1990.5	1986.6	1992.8	1986.6
45°	2255.5	2256.9	2233.1	2237.0	2223.2	2225.5	2208.6	2215.5	2206.2	2212.4	2223.9
47.5°	2496.6	2499.6	2478.9	2487.4	2473.5	2465.0	2464.3	2468.9	2458.9	2465.0	2468.1
50°	2715.5	2711.6	2700.9	2703.1	2696.9	2698.5	2689.3	2697.8	2686.2	2698.5	2696.9
52.5°	2909.7	2905.1	2902.8	2910.4	2905.1	2905.1	2899.7	2903.6	2905.1	2923.6	2927.4
55°	3145.5	3149.3	3153.1	3167.0	3173.1	3163.1	3173.1	3192.3	3193.0	3236.9	3260.7
57.5°	3524.0	3550.9	3564.8	3573.2	3609.3	3605.4	3628.5	3674.5	3679.2	3780.6	3839.7
60°	4184.5	4232.1	4277.4	4252.9	4325.8	4348.0	4361.9	4447.8	4474.7	4570.7	4622.2
62.5°	5018.4	5023.8	5094.4	5072.2	5113.7	5103.7	5120.6	5159.8	5195.1	5274.2	5322.5
65°	5600.6	5625.9	5653.5	5625.2	5624.3	5590.5	5569.1	5568.3	5589.8	5606.7	5660.4
67°	5758.7	5784.1	5791.0	5770.3	5740.3	5697.3	5657.3	5636.7	5622.8	5630.5	5664.3
67.5°	5757.2	5781.1	5789.4	5769.5	5728.0	5691.9	5649.7	5625.9	5607.5	5611.3	5639.8
70°	5430.1	5481.5	5509.1	5515.3	5509.9	5446.9	5410.8	5389.3	5374.0	5336.4	5334.1
72.5°	4600.7	4662.9	4684.4	4719.0	4734.4	4641.4	4602.3	4626.1	4572.3	4453.2	4458.6
75°	3378.2	3382.7	3310.5	3296.8	3245.3	3034.9	2971.9	2914.3	2822.2	2678.5	2543.4
77.5°	1760.8	1760.1	1677.1	1634.9	1573.5	1446.8	1440.7	1337.8	1265.6	1134.2	1086.6
80°	1251.0	1270.9	1298.6	1312.4	1290.9	1241.8	1174.1	1101.2	1017.5	935.4	837.0
82.5°	1163.4	1175.7	1190.3	1136.6	1106.6	1037.5	986.1	880.1	820.9	727.3	628.2
85°	566.0	603.6	574.4	540.7	529.1	414.0	400.1	334.0	303.4	249.6	232.7
87.5°	36.1	44.6	39.9	36.1	31.4	17.7	23.8	16.9	17.7	13.0	11.5
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1
2.5°	774.9	774.1	773.3	772.6	771.8	771.8	771.0	770.2	769.5	767.9	767.9
5°	789.4	789.4	788.7	787.2	787.2	785.6	783.3	782.5	782.5	781.0	779.4
7.5°	813.2	812.5	811.0	810.1	808.7	807.1	805.6	804.0	803.3	800.9	800.2
10°	849.3	847.8	844.0	842.4	841.7	840.1	838.6	837.0	834.7	833.2	832.5
12.5°	890.1	889.3	886.2	887.7	883.9	882.3	880.8	876.9	878.5	875.4	873.9
15°	930.7	931.5	930.0	930.0	926.9	924.6	923.1	920.0	919.3	917.7	916.2
17.5°	966.8	968.4	966.1	964.6	963.0	961.5	958.4	955.4	955.4	952.3	950.7
20°	999.8	1001.4	1000.7	999.1	996.8	996.0	994.5	992.2	992.2	990.6	988.4
22.5°	1037.5	1038.2	1038.2	1037.5	1035.2	1035.9	1034.4	1032.1	1032.8	1029.8	1029.8
25°	1082.8	1084.3	1085.9	1086.6	1085.1	1085.9	1084.3	1082.8	1082.1	1082.8	1082.1
27.5°	1145.0	1146.5	1151.2	1147.3	1151.2	1151.9	1149.6	1146.5	1148.8	1152.7	1150.3
30°	1227.2	1225.6	1231.7	1232.6	1231.7	1232.6	1231.0	1228.7	1230.2	1237.1	1233.3
32.5°	1319.4	1322.4	1323.9	1325.5	1327.7	1330.8	1328.6	1326.2	1330.1	1327.7	1333.1
35°	1430.7	1437.6	1439.9	1437.6	1439.1	1444.5	1443.7	1444.5	1452.2	1444.5	1454.4
37.5°	1571.2	1578.1	1583.5	1580.4	1584.3	1584.3	1590.4	1607.3	1596.6	1610.3	1621.1
40°	1775.5	1786.2	1787.0	1786.2	1790.1	1794.7	1800.8	1819.3	1807.0	1821.5	1831.5
42.5°	1985.9	1998.9	2003.5	1995.8	2004.3	2014.3	2015.1	2031.2	2031.9	2034.2	2039.6
45°	2223.2	2234.7	2243.9	2240.1	2240.9	2253.9	2250.8	2266.2	2254.6	2254.6	2257.7
47.5°	2475.8	2486.5	2492.8	2498.9	2491.2	2502.7	2508.1	2505.0	2491.2	2488.1	2469.7
50°	2706.2	2715.5	2724.7	2741.5	2740.8	2746.2	2750.0	2736.1	2733.0	2716.2	2695.5
52.5°	2950.4	2974.3	2994.9	3030.3	3035.6	3054.1	3047.2	3024.1	3020.3	2992.7	2965.0
55°	3290.6	3358.9	3388.9	3443.5	3480.3	3479.6	3464.1	3460.3	3431.1	3375.8	3342.8
57.5°	3882.7	3989.4	4040.9	4111.6	4123.0	4116.1	4096.1	4060.9	4010.2	3917.2	3857.3
60°	4737.4	4803.5	4863.3	4880.2	4888.7	4875.7	4805.7	4727.4	4628.3	4500.1	4393.3
62.5°	5383.2	5450.8	5495.4	5488.4	5435.5	5368.6	5266.5	5135.2	4996.2	4852.6	4692.9
65°	5711.9	5740.3	5733.4	5679.7	5589.1	5472.3	5323.3	5161.3	4997.7	4828.0	4662.2
67°	5694.3	5695.0	5648.1	5543.8	5427.8	5281.1	5099.1	4922.4	4730.4	4552.3	4355.0
67.5°	5662.7	5659.7	5594.4	5479.9	5354.8	5203.6	5014.6	4831.8	4633.0	4453.2	4249.0
70°	5306.5	5263.4	5115.9	4933.2	4758.9	4554.6	4356.5	4146.8	3922.6	3768.3	3533.2
72.5°	4360.3	4215.2	3961.0	3769.8	3583.2	3315.9	3192.3	2932.0	2774.5	2676.3	2498.9
75°	2524.9	2403.6	2207.1	2028.1	1937.5	1779.3	1704.0	1512.8	1472.9	1471.4	1410.0
77.5°	963.7	840.8	714.1	575.2	489.2	388.6	342.5	306.4	278.8	298.0	270.3
80°	722.6	594.4	464.6	337.9	241.1	178.1	152.8	141.3	134.4	129.0	125.2
82.5°	538.3	424.7	329.5	215.0	150.5	113.7	98.3	92.2	89.1	83.7	79.1
85°	182.0	145.9	115.2	79.9	63.0	51.4	47.6	46.0	43.8	39.9	37.7
87.5°	10.0	9.2	10.0	7.7	9.2	7.7	8.5	8.5	8.5	7.7	7.7
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1	764.1
2.5°	767.2	767.2	767.2	765.6	763.4	758.7	754.1	750.2	746.4	744.1	742.6
5°	778.7	777.1	776.4	775.6	770.2	761.0	752.6	744.9	737.2	731.1	728.7
7.5°	799.4	796.4	795.5	793.3	786.3	772.6	760.3	748.0	737.2	728.7	724.9
10°	830.9	830.9	826.3	823.3	815.5	797.1	779.4	763.4	748.7	739.5	737.2
12.5°	870.8	870.8	867.0	864.7	855.4	831.6	810.1	791.0	777.1	767.9	767.2
15°	912.3	911.5	908.5	905.4	895.4	870.1	848.6	831.6	820.2	809.4	806.3
17.5°	949.1	949.1	945.3	942.2	932.3	910.8	891.5	879.3	866.2	844.0	827.1
20°	986.1	986.8	983.7	980.7	972.2	953.8	945.3	933.0	903.8	855.4	815.5
22.5°	1026.7	1029.8	1026.0	1022.9	1016.0	1008.3	1005.2	976.0	914.6	837.0	778.7
25°	1079.0	1084.3	1079.7	1078.1	1074.3	1076.7	1067.4	999.8	899.3	797.1	724.2
27.5°	1150.3	1150.3	1151.2	1151.2	1149.6	1158.1	1124.3	1000.7	865.5	745.7	658.9
30°	1234.1	1238.7	1237.1	1237.1	1243.3	1248.7	1155.7	983.7	822.4	682.0	579.0
32.5°	1334.7	1338.5	1340.0	1333.1	1357.7	1330.1	1167.3	953.0	769.5	602.8	483.8
35°	1456.0	1461.4	1465.2	1466.0	1482.1	1400.8	1161.1	907.7	693.4	503.7	379.4
37.5°	1614.2	1624.9	1633.4	1637.2	1638.0	1460.6	1144.2	847.8	594.4	393.2	282.6
40°	1824.6	1836.1	1833.9	1841.5	1797.8	1495.9	1105.9	761.0	471.5	288.7	218.0
42.5°	2027.4	2028.8	2031.9	2025.0	1935.9	1514.3	1052.1	655.1	353.2	215.8	186.6
45°	2253.9	2240.9	2226.2	2215.5	2063.5	1521.3	978.3	526.0	249.6	181.2	172.7
47.5°	2466.6	2448.9	2419.0	2388.3	2177.1	1510.5	883.9	394.0	189.7	165.9	163.5
50°	2675.5	2642.4	2600.2	2564.9	2286.2	1494.4	779.4	284.1	165.9	158.2	155.9
52.5°	2934.3	2879.0	2823.7	2777.6	2428.2	1469.0	669.7	215.8	155.9	152.1	149.0
55°	3289.0	3212.3	3123.2	3058.7	2620.9	1430.7	554.4	182.8	151.3	148.2	143.6
57.5°	3780.6	3665.3	3564.8	3459.6	2884.4	1391.5	455.4	169.7	150.5	145.9	139.7
60°	4282.8	4144.6	4016.3	3865.8	3153.1	1352.3	386.2	168.2	152.8	145.9	136.7
62.5°	4543.8	4401.1	4246.7	4093.9	3269.1	1260.2	338.7	170.5	158.2	148.2	136.7
65°	4483.9	4309.6	4153.0	3997.1	3134.7	1085.9	286.4	173.6	168.9	157.4	139.0
67°	4182.9	4001.0	3850.4	3701.4	2835.2	909.2	245.8	176.7	180.5	168.2	143.6
67.5°	4077.0	3895.0	3746.7	3601.6	2746.9	872.4	235.7	178.1	182.8	171.3	145.1
70°	3380.5	3246.8	3089.4	2977.3	2223.9	645.9	193.5	181.2	196.6	188.9	152.1
72.5°	2432.9	2305.3	2187.1	2124.9	1638.0	451.5	162.8	178.1	205.0	198.9	155.2
75°	1293.2	1285.5	1242.5	1273.2	1013.7	294.9	143.6	166.6	195.8	182.0	144.4
77.5°	261.1	268.7	315.6	311.0	327.2	164.4	122.9	142.8	151.3	133.6	117.5
80°	121.3	119.1	116.7	118.2	116.0	105.2	99.8	112.1	105.2	86.0	78.3
82.5°	75.3	73.8	71.4	70.6	78.3	83.7	87.5	88.3	69.9	59.9	57.6
85°	36.1	36.1	35.3	36.8	46.0	68.4	73.8	65.3	46.9	43.0	40.7
87.5°	6.9	6.9	7.7	6.9	9.2	16.1	18.4	21.5	17.7	18.4	20.7
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):

	165°	175°	180°
0°	764.1	764.1	764.1
2.5°	741.0	739.5	739.5
5°	725.7	724.9	724.9
7.5°	721.9	722.6	721.9
10°	736.5	735.7	738.8
12.5°	768.7	771.0	770.2
15°	802.5	804.0	804.0
17.5°	812.5	807.1	806.3
20°	786.3	776.4	774.1
22.5°	737.2	718.8	719.5
25°	675.0	652.7	654.2
27.5°	602.8	579.0	578.2
30°	516.1	490.0	476.9
32.5°	411.6	380.1	380.1
35°	309.5	284.1	274.9
37.5°	235.0	220.4	215.8
40°	195.8	188.9	187.3
42.5°	178.1	175.8	175.1
45°	168.9	167.4	166.6
47.5°	160.5	159.7	159.0
50°	154.3	153.6	152.8
52.5°	149.0	147.4	146.7
55°	141.3	141.3	141.3
57.5°	136.7	136.7	135.9
60°	132.1	131.3	131.3
62.5°	128.3	126.7	127.4
65°	126.0	123.6	123.6
67°	124.4	119.8	119.8
67.5°	124.4	118.2	118.2
70°	122.1	112.1	110.6
72.5°	119.8	105.2	102.9
75°	113.7	99.8	97.5
77.5°	97.5	89.1	87.5
80°	75.3	65.3	66.8
82.5°	54.5	46.9	46.0
85°	39.2	33.8	33.8
87.5°	20.7	17.7	18.4
90°	0.0	0.0	0.0

(END OF REPORT)