

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: P181297

Luminaire Tested: **ICS-E03-LED-E1-T2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181297
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-T2-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982.2 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

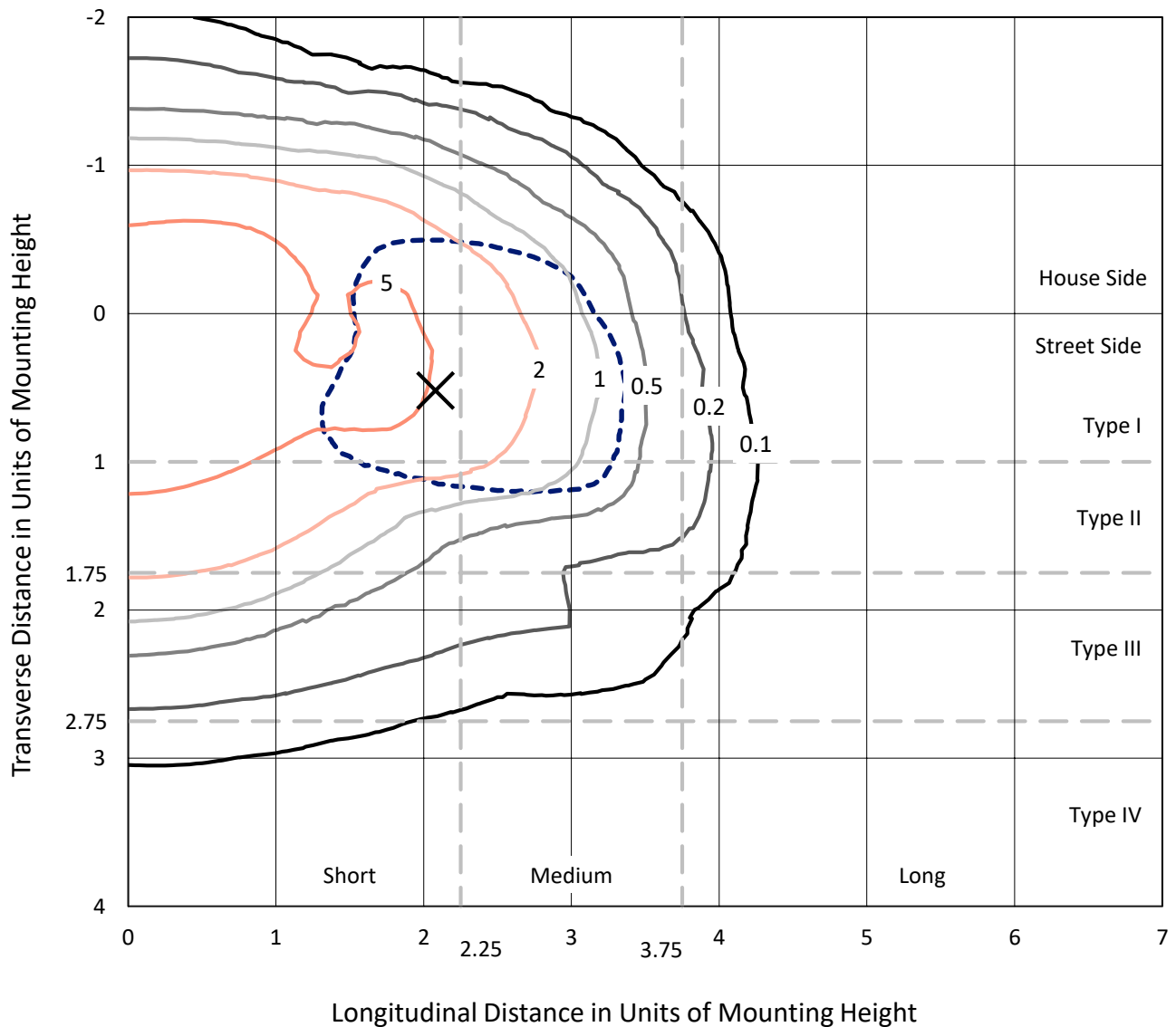
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

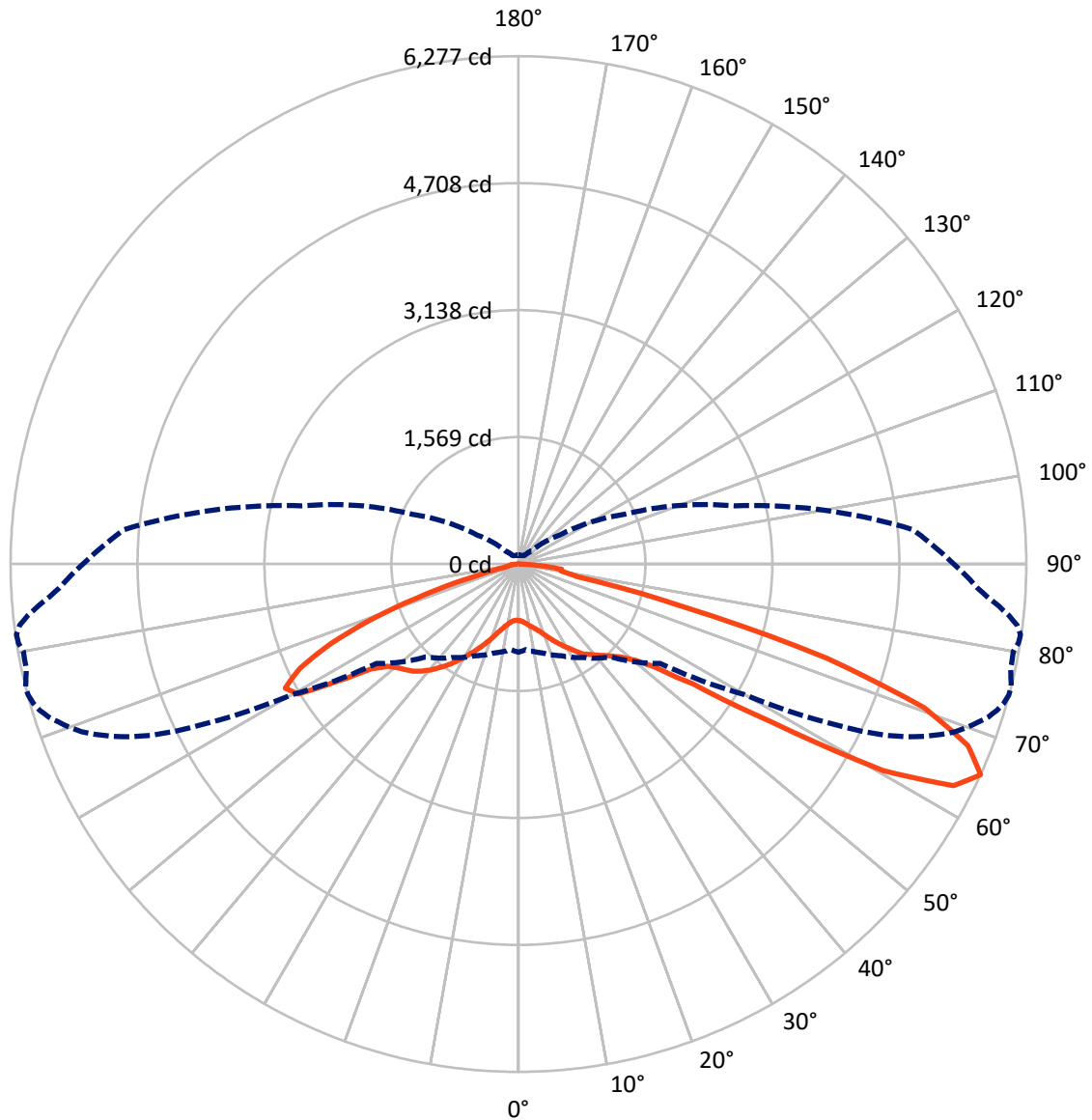
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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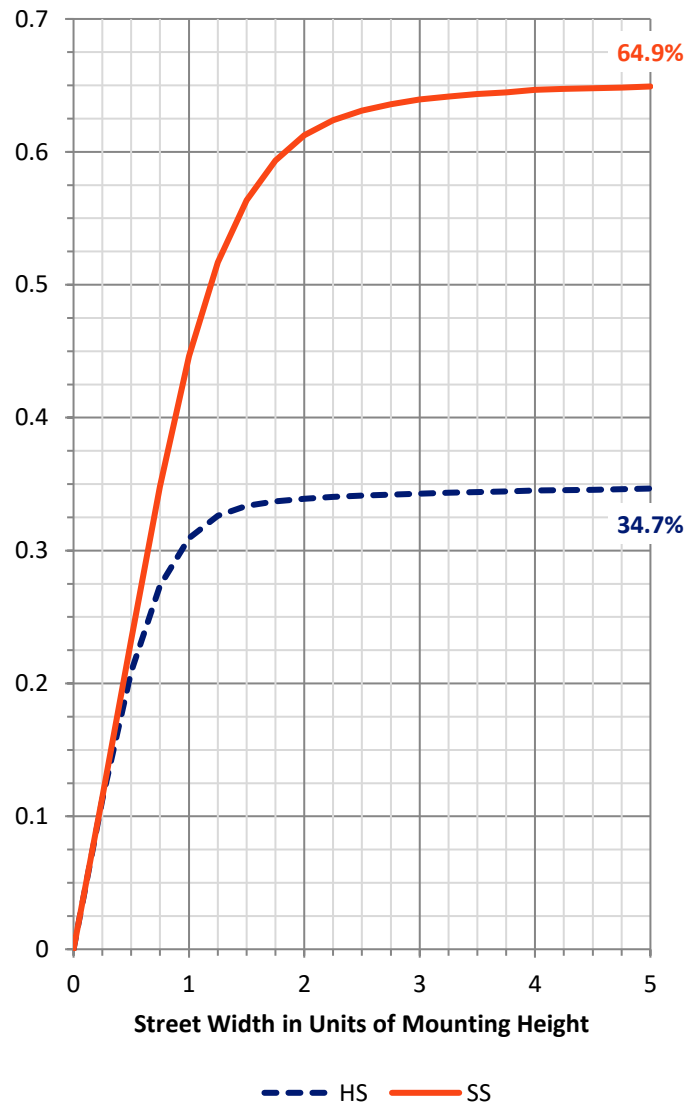
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2445.0	0.0	2445.0
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	4537.2	0.0	4537.2
	% Fixture	65.0	0.0	65.0
Total	Lumens	6982.2	0.0	6982.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	1.0
10°-20°	240.1	3.4
20°-30°	471.7	6.8
30°-40°	783.8	11.2
40°-50°	1151.7	16.5
50°-60°	1594.6	22.8
60°-70°	1903.2	27.3
70°-80°	673.1	9.6
80°-90°	94.0	1.3
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°	6982.2	100.0
0°-180°	6982.2	100.0

Coefficient of Utilization



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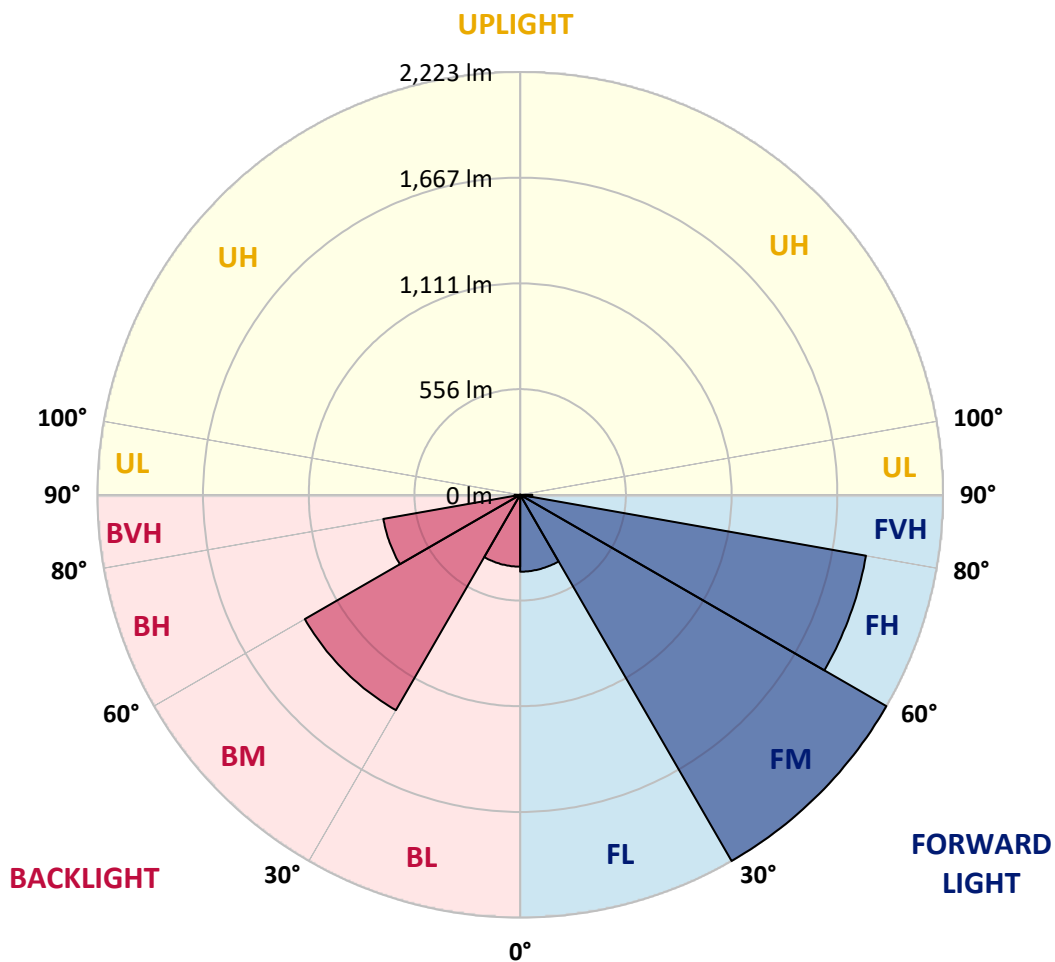
CATALOG NUMBER: ICS-E03-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.0	5.8			
FM	(30°-60°)	2222.9	31.8			
FH	(60°-80°)	1846.0	26.4			G2/5000
FVH	(80°-90°)	64.3	0.9			G1/100
BL	(0°-30°)	377.7	5.4	B1/500		
BM	(30°-60°)	1307.2	18.7	B2/2500		
BH	(60°-80°)	730.3	10.5	B2/1000		G2/1000
BVH	(80°-90°)	29.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	728.5	729.2	727.7	727.0	724.7	720.9	717.9	714.8	714.8	714.8	712.5
5°	760.4	761.9	758.9	756.6	749.8	746.0	740.6	736.8	735.3	734.6	732.3
7.5°	800.7	798.4	793.8	792.3	787.0	778.6	768.7	761.2	761.2	760.4	761.2
10°	840.9	834.8	832.6	830.3	821.9	811.3	799.9	791.5	790.8	790.0	787.7
12.5°	881.2	878.9	876.6	868.3	859.9	843.2	830.3	821.9	821.2	821.9	818.9
15°	934.3	929.0	926.8	912.3	894.1	875.9	859.9	852.3	850.0	850.8	848.5
17.5°	975.4	975.4	970.1	954.1	930.6	905.5	888.8	884.2	883.5	883.5	884.2
20°	1008.0	1007.3	1002.0	989.0	960.9	935.9	927.5	926.0	925.2	925.2	927.5
22.5°	1026.3	1024.7	1022.5	1008.0	986.0	969.3	970.1	974.6	976.1	977.6	980.7
25°	1035.4	1033.1	1032.3	1022.5	1006.5	1004.2	1017.9	1030.1	1033.1	1036.1	1039.9
27.5°	1050.6	1046.8	1048.3	1044.5	1040.7	1047.5	1075.6	1088.6	1090.8	1094.6	1096.9
30°	1092.4	1090.8	1096.9	1098.4	1101.5	1111.3	1137.2	1149.3	1154.6	1154.6	1165.3
32.5°	1172.1	1172.9	1174.4	1190.3	1195.7	1202.5	1216.2	1226.0	1226.8	1227.6	1237.4
35°	1279.2	1283.8	1296.7	1310.4	1323.3	1322.5	1314.2	1319.5	1315.7	1320.2	1321.0
37.5°	1414.4	1408.4	1427.4	1458.5	1478.2	1472.9	1435.7	1411.4	1418.2	1415.2	1412.9
40°	1518.5	1525.3	1561.8	1602.8	1618.0	1634.7	1586.1	1544.3	1538.3	1526.9	1520.0
42.5°	1662.1	1662.8	1692.5	1722.8	1766.9	1803.4	1772.2	1712.2	1694.0	1680.3	1650.7
45°	1795.0	1792.7	1817.0	1854.3	1906.7	1959.1	1970.5	1905.2	1898.3	1874.0	1835.3
47.5°	1883.9	1880.9	1897.6	1946.2	2031.3	2117.1	2164.2	2144.4	2131.5	2121.7	2060.9
50°	1943.9	1937.8	1956.8	2008.5	2103.4	2235.6	2358.7	2375.4	2370.1	2370.1	2331.3
52.5°	1988.7	1988.7	2002.4	2044.2	2140.6	2305.5	2525.8	2610.1	2616.9	2624.5	2622.3
55°	1963.7	1967.4	2001.6	2062.4	2164.2	2354.1	2664.0	2848.6	2886.6	2918.5	2955.0
57.5°	1877.8	1890.7	1936.3	2035.8	2170.3	2390.6	2817.5	3182.9	3290.0	3382.6	3527.0
60°	1752.5	1769.2	1835.3	1962.1	2125.5	2331.3	2871.4	3465.4	3635.6	3837.7	4214.4
62.5°	1537.5	1554.2	1618.8	1745.6	1885.4	2104.2	2648.1	3507.2	3779.2	4065.6	4635.3
65°	1089.3	1062.7	1137.2	1251.1	1411.4	1623.3	2139.9	3226.9	3618.1	4006.3	4709.7
67.5°	606.9	604.7	650.2	735.3	888.8	1116.7	1474.4	2474.9	2835.0	3274.8	4138.5
70°	418.6	423.1	452.0	543.9	670.8	867.5	1050.6	1554.2	1813.2	2111.8	2961.1
72.5°	294.0	303.9	319.8	374.5	504.4	730.8	1073.4	929.0	1058.2	1261.8	1780.6
75°	172.4	179.3	190.7	217.3	287.1	488.4	1111.3	816.6	816.6	864.5	1077.2
77.5°	106.3	106.3	113.2	123.8	152.7	239.3	791.5	917.6	891.8	864.5	866.7
80°	54.7	58.5	68.4	73.7	85.1	109.4	355.5	856.1	938.9	994.4	955.6
82.5°	25.1	28.1	41.8	44.8	49.4	57.7	122.3	486.9	652.5	859.1	1073.4
85°	12.9	12.9	22.0	27.3	29.6	26.6	44.8	196.7	297.8	454.3	711.0
87.5°	2.3	2.3	3.8	4.6	6.8	6.1	7.6	11.4	19.0	20.5	21.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	711.8	712.5	711.8	711.0	709.5	709.5	709.5	708.7	708.7	708.7	708.0
5°	732.3	729.2	730.0	728.5	727.7	727.0	727.7	726.2	724.7	725.4	724.7
7.5°	758.1	756.6	753.6	753.6	752.8	751.3	751.3	749.0	748.2	746.7	746.0
10°	787.0	783.2	784.7	783.2	783.9	780.9	779.4	777.9	776.3	776.3	777.1
12.5°	816.6	815.8	813.6	812.0	812.0	809.8	810.5	809.8	807.5	806.7	804.5
15°	847.0	847.0	844.7	845.5	844.7	843.2	841.7	841.7	840.2	838.6	839.4
17.5°	882.7	882.7	882.7	882.7	883.5	881.2	881.9	880.4	878.9	881.9	881.9
20°	929.0	932.1	932.1	931.3	935.1	932.8	932.1	935.9	932.1	937.4	936.6
22.5°	982.2	985.2	985.2	988.3	989.0	991.3	992.8	991.3	994.4	997.4	997.4
25°	1041.5	1044.5	1046.8	1051.3	1053.6	1052.1	1052.9	1056.6	1058.2	1061.2	1064.2
27.5°	1103.7	1104.5	1107.5	1112.9	1116.7	1118.2	1118.9	1125.0	1125.8	1127.3	1130.3
30°	1164.5	1172.1	1170.6	1177.4	1179.7	1182.0	1186.5	1188.8	1194.1	1197.2	1197.2
32.5°	1235.9	1234.4	1240.5	1245.8	1249.6	1253.4	1257.2	1260.2	1263.3	1264.8	1272.4
35°	1324.8	1327.8	1327.8	1328.6	1337.7	1338.5	1341.5	1348.3	1350.6	1355.2	1358.2
37.5°	1412.9	1407.6	1406.8	1406.8	1403.8	1406.1	1406.8	1407.6	1410.6	1411.4	1414.4
40°	1511.7	1504.8	1498.8	1495.0	1488.9	1480.5	1479.0	1475.2	1477.5	1476.7	1477.5
42.5°	1646.9	1627.9	1613.5	1602.8	1590.7	1581.6	1574.7	1564.8	1558.0	1549.7	1548.1
45°	1819.3	1783.6	1759.3	1741.8	1724.4	1699.3	1684.9	1669.7	1656.0	1642.3	1630.9
47.5°	2045.7	2007.7	1969.0	1937.1	1909.7	1869.5	1828.4	1805.6	1779.1	1755.5	1738.8
50°	2312.3	2266.7	2248.5	2203.7	2169.5	2108.7	2057.8	2020.6	1967.4	1931.7	1900.6
52.5°	2585.0	2573.6	2563.8	2525.8	2485.5	2450.6	2405.8	2340.4	2286.5	2245.5	2181.7
55°	2956.5	2961.8	2958.0	2937.5	2923.1	2889.6	2871.4	2814.4	2790.1	2730.9	2664.0
57.5°	3581.7	3624.2	3678.1	3699.4	3728.3	3700.9	3732.8	3771.6	3675.1	3708.5	3648.5
60°	4380.0	4575.3	4691.5	4834.3	4927.7	5058.4	5081.9	5116.1	5106.3	5125.2	5164.0
62.5°	4867.7	5099.4	5322.0	5483.8	5657.0	5752.7	5868.2	5948.7	6032.2	6088.5	6072.5
65°	5011.3	5249.8	5451.9	5628.9	5783.8	5900.8	6007.9	6109.0	6185.7	6239.6	6271.5
67.5°	4484.1	4795.6	5008.3	5215.6	5415.4	5538.5	5628.1	5726.1	5838.5	5932.0	5950.2
70°	3374.3	3841.5	4143.0	4391.4	4626.2	4791.8	4917.1	5008.3	5095.6	5162.5	5235.4
72.5°	2110.3	2518.9	2863.8	3185.9	3435.1	3663.0	3768.5	3970.6	3944.0	3994.9	4049.6
75°	1264.8	1463.8	1653.7	1880.9	2011.5	2201.4	2235.6	2269.0	2251.6	2194.6	2237.1
77.5°	878.9	911.6	910.0	897.1	883.5	850.0	806.7	783.2	767.2	744.4	753.6
80°	884.2	813.6	705.7	593.3	490.0	421.6	394.2	394.2	422.4	462.6	502.9
82.5°	1056.6	981.4	875.1	732.3	580.4	472.5	400.3	371.5	376.8	417.8	469.5
85°	712.5	729.2	639.6	584.9	463.4	360.8	302.3	245.4	217.3	224.1	253.7
87.5°	25.8	31.1	11.4	15.2	10.6	9.1	9.1	9.9	6.8	8.4	7.6
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	707.2	706.5	706.5	704.9	704.9	704.2	704.2	703.4	702.7	702.7	701.9
5°	723.9	723.2	721.7	720.9	719.4	719.4	718.6	717.1	717.1	715.6	714.8
7.5°	747.5	746.0	744.4	743.7	742.9	740.6	740.6	739.1	739.1	737.6	736.8
10°	775.6	774.1	772.5	773.3	771.0	770.3	768.7	768.7	766.5	765.7	765.7
12.5°	806.0	805.2	805.2	802.9	802.2	801.4	798.4	798.4	798.4	796.9	797.6
15°	838.6	839.4	837.1	839.4	838.6	836.4	836.4	836.4	833.3	837.1	834.1
17.5°	882.7	885.0	883.5	884.2	882.7	882.7	883.5	882.7	884.2	884.2	888.8
20°	937.4	938.1	941.9	940.4	940.4	939.7	941.2	941.9	945.0	943.5	946.5
22.5°	997.4	1001.2	1002.0	1005.0	1005.0	1004.2	1005.8	1008.8	1010.3	1012.6	1011.8
25°	1065.8	1068.0	1071.1	1067.3	1073.4	1073.4	1074.9	1078.7	1079.4	1079.4	1084.8
27.5°	1129.6	1135.7	1136.4	1140.2	1137.9	1139.4	1144.8	1147.0	1150.1	1150.1	1151.6
30°	1201.7	1204.0	1205.5	1210.1	1209.3	1210.1	1210.9	1214.7	1214.7	1218.5	1222.2
32.5°	1276.2	1277.7	1279.2	1283.8	1285.3	1288.3	1286.8	1289.9	1293.7	1294.4	1296.7
35°	1365.1	1366.6	1368.1	1374.9	1375.7	1381.0	1382.5	1381.0	1387.1	1383.3	1387.1
37.5°	1416.7	1423.6	1425.1	1429.6	1428.1	1431.9	1434.2	1437.2	1438.7	1441.8	1447.9
40°	1479.8	1482.0	1486.6	1488.9	1491.9	1492.7	1495.7	1498.0	1500.3	1507.1	1513.9
42.5°	1544.3	1547.4	1549.7	1552.7	1556.5	1559.5	1561.8	1568.6	1570.2	1574.7	1587.6
45°	1622.6	1621.1	1621.8	1622.6	1624.1	1627.9	1634.7	1641.6	1646.1	1656.8	1667.4
47.5°	1719.8	1709.9	1706.1	1700.1	1701.6	1709.9	1711.5	1722.8	1732.0	1741.8	1754.8
50°	1867.2	1840.6	1824.6	1808.7	1807.2	1811.7	1817.8	1830.0	1840.6	1853.5	1871.7
52.5°	2114.8	2063.9	2032.0	1988.0	1975.8	1973.5	1969.0	1975.8	1978.8	1996.3	2030.5
55°	2616.2	2522.0	2461.2	2392.8	2329.0	2310.0	2273.6	2281.2	2273.6	2284.2	2335.1
57.5°	3663.0	3587.7	3528.5	3441.1	3331.8	3215.5	3186.7	3067.4	3090.9	3159.3	3115.3
60°	5183.0	5155.6	5113.1	5071.3	4921.7	4837.3	4699.9	4684.7	4588.2	4588.9	4525.9
62.5°	6033.8	6068.7	6042.9	6030.7	6022.4	5995.8	5927.4	5845.4	5722.3	5633.4	5502.8
65°	6276.8	6247.2	6219.1	6215.3	6213.0	6256.3	6266.2	6208.5	6096.8	5958.6	5808.2
67.5°	5993.5	5976.8	5978.3	5946.4	5966.2	6041.4	6093.8	6077.8	5975.3	5808.2	5616.7
70°	5319.0	5286.3	5319.7	5361.5	5391.1	5434.4	5486.8	5499.7	5406.3	5234.6	5039.4
72.5°	3982.8	3988.1	4020.0	4031.4	4150.6	4138.5	4185.6	4032.1	3964.5	3801.2	3700.9
75°	2095.8	2061.6	2150.5	1962.1	1884.6	1938.6	1787.4	1642.3	1672.7	1697.8	1517.0
77.5°	740.6	692.8	611.5	578.8	481.6	407.9	333.5	300.8	283.3	274.2	262.8
80°	531.7	546.9	530.2	490.7	417.0	334.2	263.6	208.1	178.5	162.6	151.9
82.5°	537.8	597.8	624.4	613.0	546.2	413.2	272.7	174.0	129.1	107.9	100.3
85°	288.7	316.0	303.9	256.0	230.2	137.5	94.2	63.0	53.2	48.6	44.8
87.5°	11.4	9.1	7.6	7.6	8.4	9.1	7.6	8.4	7.6	7.6	7.6
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	700.4	700.4	700.4	699.6	698.1	694.3	690.5	687.5	685.2	682.9	679.9
5°	714.1	712.5	712.5	712.5	706.5	700.4	695.1	689.7	685.2	681.4	678.4
7.5°	736.8	736.1	733.0	732.3	727.7	717.9	711.8	702.7	697.3	692.0	690.5
10°	764.2	763.4	762.7	761.9	755.8	746.0	738.4	730.0	722.4	714.8	707.2
12.5°	796.1	795.3	794.6	792.3	790.0	784.7	776.3	767.2	758.1	742.2	733.8
15°	835.6	837.1	835.6	834.8	833.3	834.1	828.8	815.8	801.4	780.9	763.4
17.5°	888.0	886.5	885.7	888.8	888.0	891.8	890.3	873.6	851.5	818.9	788.5
20°	945.7	945.7	948.8	951.1	957.9	967.8	963.2	942.7	902.4	856.9	817.4
22.5°	1014.9	1016.4	1019.4	1017.9	1028.5	1044.5	1046.0	1017.1	964.7	901.7	846.2
25°	1087.0	1088.6	1085.5	1090.1	1107.5	1130.3	1134.9	1093.9	1024.7	942.7	870.5
27.5°	1155.4	1156.9	1156.9	1163.0	1179.7	1218.5	1223.0	1177.4	1085.5	978.4	888.0
30°	1222.2	1228.3	1229.8	1231.4	1256.4	1310.4	1320.2	1254.2	1138.7	1005.0	900.2
32.5°	1306.6	1308.8	1311.9	1315.7	1344.6	1410.6	1410.6	1320.2	1172.9	1021.7	902.4
35°	1397.0	1397.7	1404.6	1405.3	1446.3	1512.4	1499.5	1374.9	1197.2	1017.9	885.7
37.5°	1451.7	1454.7	1461.5	1470.6	1513.9	1607.4	1577.8	1422.0	1201.7	992.8	847.8
40°	1519.3	1525.3	1532.2	1541.3	1605.9	1703.9	1643.8	1451.7	1182.7	943.5	790.8
42.5°	1592.2	1600.5	1611.2	1627.9	1704.6	1788.9	1694.0	1456.2	1139.4	888.0	723.2
45°	1674.2	1689.4	1701.6	1721.3	1807.9	1862.6	1724.4	1429.6	1084.8	815.1	651.0
47.5°	1769.2	1781.3	1802.6	1823.9	1910.5	1912.8	1727.4	1378.0	1010.3	742.2	574.3
50°	1886.2	1893.8	1925.7	1938.6	2019.9	1965.2	1705.4	1308.1	932.1	660.1	489.2
52.5°	2041.9	2052.5	2093.5	2113.3	2171.0	2036.6	1674.2	1232.1	842.4	568.2	401.8
55°	2349.5	2395.9	2424.7	2458.9	2496.2	2198.4	1660.6	1150.8	741.4	461.9	318.3
57.5°	3213.2	3198.1	3261.9	3339.3	3338.6	2568.3	1742.6	1081.0	622.1	353.2	244.6
60°	4500.1	4514.5	4481.8	4528.2	4380.8	3027.1	1855.0	1007.3	487.7	262.8	186.9
62.5°	5456.4	5372.9	5326.5	5271.9	4947.5	3077.3	1773.0	856.1	354.7	184.6	143.6
65°	5682.8	5584.8	5485.3	5381.2	4892.0	2774.2	1454.7	628.2	229.4	126.9	113.9
67.5°	5459.5	5302.2	5175.4	5068.3	4482.6	2299.4	1063.5	385.9	131.4	102.6	97.2
70°	4880.6	4706.7	4501.6	4381.6	3774.6	1694.7	681.4	208.1	101.0	91.2	88.9
72.5°	3572.6	3429.7	3205.7	3068.2	2710.4	1030.1	380.6	117.0	94.2	87.4	84.3
75°	1391.6	1317.2	1223.8	1231.4	1099.2	455.8	172.4	101.0	91.9	85.8	82.8
77.5°	239.3	233.2	215.7	215.7	245.4	166.4	114.7	101.8	91.2	84.3	79.0
80°	143.6	140.5	133.7	132.2	127.6	117.0	110.1	103.3	89.6	79.8	72.9
82.5°	94.2	90.4	88.1	87.4	95.0	102.6	103.3	102.6	85.1	69.1	59.3
85°	40.3	40.3	40.3	41.0	54.7	82.8	85.1	91.2	69.9	53.9	42.5
87.5°	6.8	8.4	8.4	9.1	9.9	18.2	22.8	29.6	23.5	22.8	20.5
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):

	165°	175°	180°
0°	698.1	698.1	698.1
2.5°	679.1	677.6	677.6
5°	676.8	675.3	676.1
7.5°	685.9	682.9	683.7
10°	702.7	699.6	698.1
12.5°	723.9	720.1	720.1
15°	746.0	736.8	736.1
17.5°	764.2	752.8	751.3
20°	784.7	769.5	767.2
22.5°	803.7	783.2	780.1
25°	817.4	792.3	788.5
27.5°	823.4	793.8	790.8
30°	828.0	794.6	790.0
32.5°	823.4	787.7	783.9
35°	798.4	759.6	757.4
37.5°	755.1	711.8	708.7
40°	698.1	652.5	644.9
42.5°	625.2	582.6	574.3
45°	554.5	505.9	502.1
47.5°	478.6	432.2	434.5
50°	398.8	357.0	356.3
52.5°	322.8	286.4	284.1
55°	254.5	228.6	226.4
57.5°	201.3	187.6	185.4
60°	164.1	157.2	155.0
62.5°	132.2	129.9	129.1
65°	110.1	110.1	110.1
67.5°	95.7	96.5	96.5
70°	88.1	88.9	88.1
72.5°	85.1	87.4	87.4
75°	82.8	84.3	81.3
77.5°	81.3	82.0	76.7
80°	80.5	79.8	69.9
82.5°	69.9	67.6	59.3
85°	63.8	48.6	41.0
87.5°	32.7	22.8	17.5
90°	0.0	0.0	0.0

(END OF REPORT)