

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: P180476

Luminaire Tested: **ICM-E03-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180476
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-E03-LED-E1-SL2-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7195.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

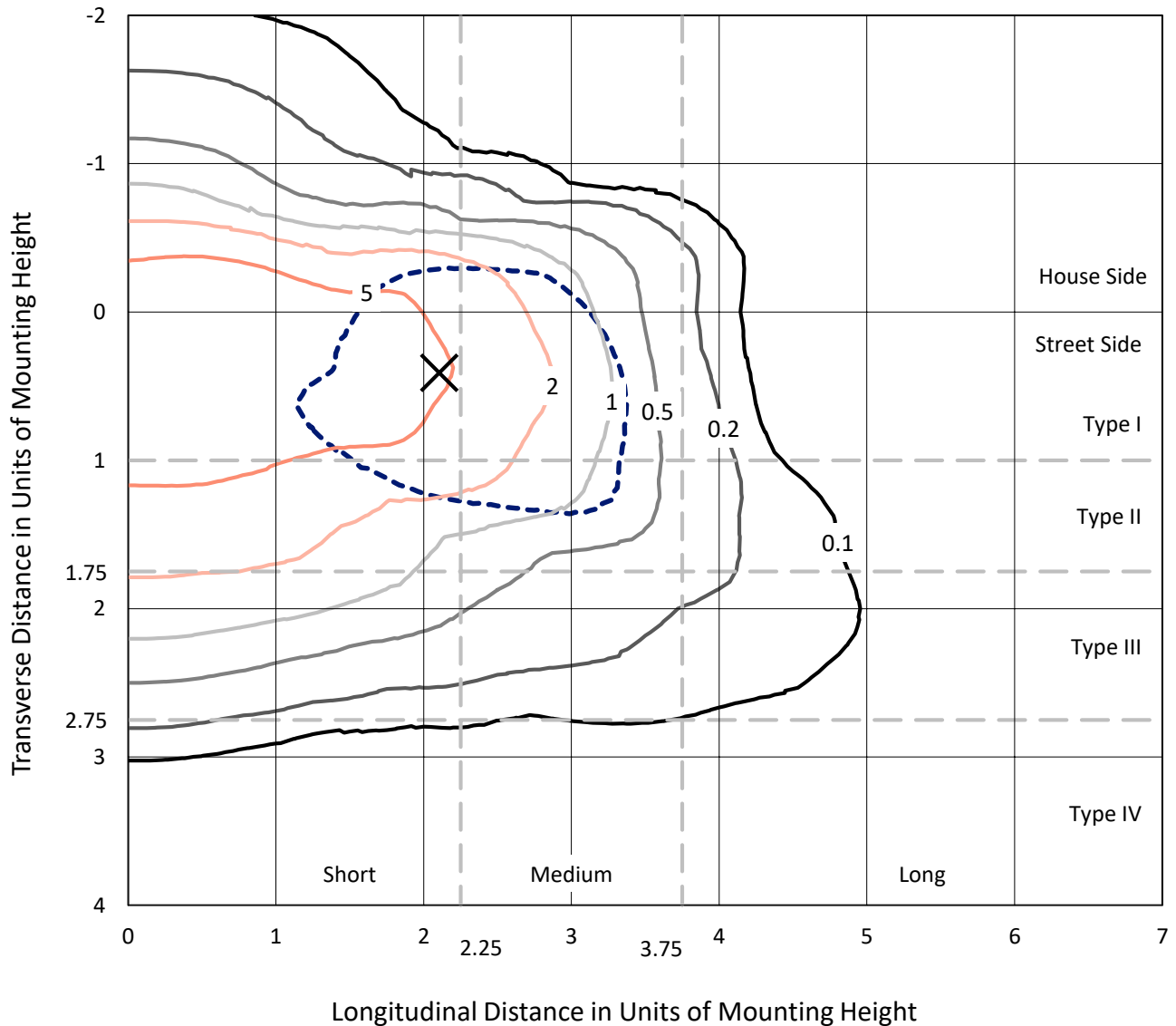
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

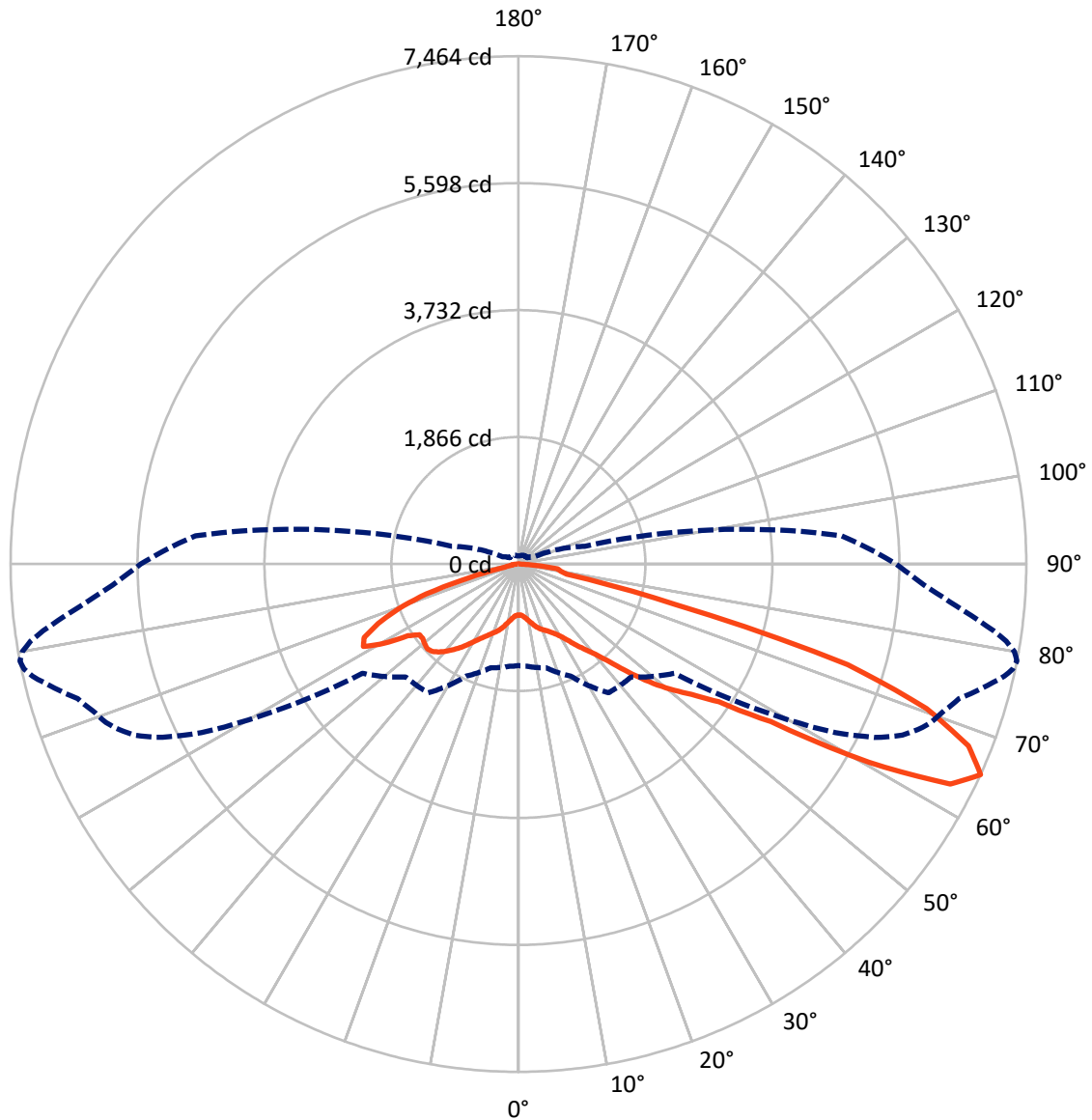
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 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	1701.1	0.0	1701.1
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	5494.7	0.0	5494.7
	% Fixture	76.4	0.0	76.4
Total	Lumens	7195.8	0.0	7195.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	1.0
10°-20°	243.5	3.4
20°-30°	420.5	5.8
30°-40°	696.1	9.7
40°-50°	1180.5	16.4
50°-60°	1568.5	21.8
60°-70°	2026.1	28.2
70°-80°	849.7	11.8
80°-90°	136.5	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°	7195.8	100.0
0°-180°	7195.8	100.0



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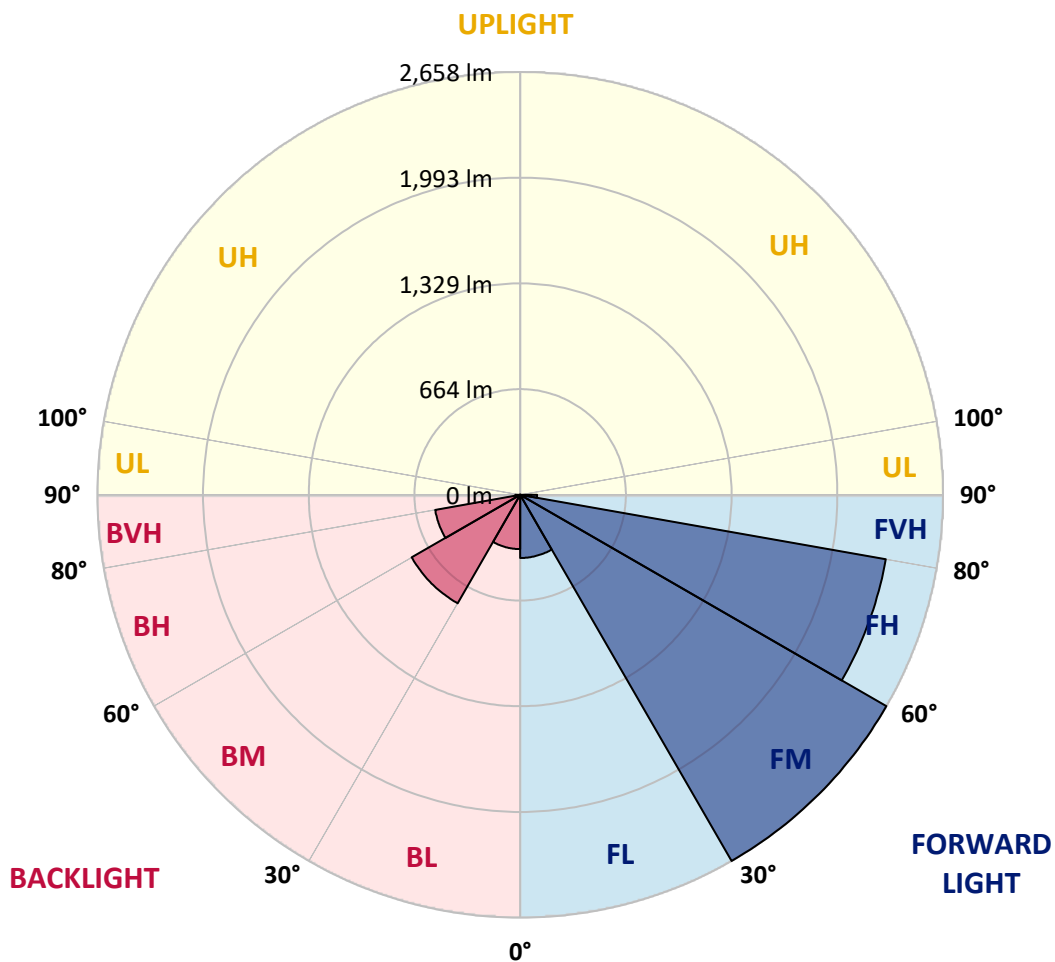
CATALOG NUMBER: ICM-E03-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	397.0	5.5			
FM	(30°-60°)	2657.6	36.9			
FH	(60°-80°)	2333.3	32.4			G2/5000
FVH	(80°-90°)	106.7	1.5			G2/225
BL	(0°-30°)	341.4	4.7	B1/500		
BM	(30°-60°)	787.4	10.9	B1/1000		
BH	(60°-80°)	542.5	7.5	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°	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0
2.5°	746.6	749.0	747.4	749.0	750.6	751.4	752.9	752.1	752.1	752.9	751.4
5°	746.6	746.6	749.0	752.9	754.5	759.2	764.7	763.9	764.7	763.9	765.5
7.5°	762.3	761.6	763.9	768.7	770.2	777.3	786.7	788.3	789.9	789.9	792.2
10°	789.9	789.0	791.4	793.8	796.1	801.6	815.0	820.5	821.2	822.1	825.1
12.5°	824.4	823.5	820.5	820.5	819.6	829.9	847.9	858.1	859.7	862.8	865.2
15°	848.7	846.3	841.7	838.5	842.4	858.9	885.6	897.4	899.0	901.3	907.6
17.5°	872.3	869.9	859.7	851.8	857.3	884.0	920.2	932.7	935.8	938.2	945.3
20°	905.2	903.6	888.7	869.9	868.4	902.9	946.9	963.4	965.7	968.8	975.9
22.5°	955.4	948.4	931.2	895.8	878.5	913.9	965.7	988.5	991.6	994.7	1004.2
25°	1018.3	1015.2	985.3	931.2	895.0	924.8	986.1	1014.3	1019.1	1023.0	1035.5
27.5°	1083.4	1078.7	1046.5	975.9	924.1	946.9	1018.3	1050.5	1056.8	1063.1	1074.8
30°	1141.6	1140.0	1113.3	1036.4	971.2	988.5	1070.1	1109.4	1116.5	1124.3	1135.3
32.5°	1278.1	1279.0	1251.4	1172.9	1085.0	1063.8	1144.7	1203.5	1206.7	1216.1	1235.7
35°	1539.6	1542.7	1532.6	1470.5	1371.6	1284.5	1292.3	1350.4	1353.5	1361.4	1380.2
37.5°	1714.7	1720.9	1752.4	1772.0	1721.8	1681.7	1582.0	1559.3	1561.6	1556.8	1552.9
40°	1811.3	1820.7	1903.1	2005.2	2060.1	2060.9	2017.8	1917.2	1878.8	1867.8	1820.7
42.5°	1866.2	1881.9	1998.9	2173.2	2331.0	2439.4	2466.1	2354.5	2326.2	2276.0	2185.8
45°	1902.3	1921.1	2059.4	2298.1	2530.4	2714.9	2853.9	2804.4	2785.6	2755.0	2671.7
47.5°	1896.0	1911.0	2054.6	2340.4	2634.8	2897.0	3143.6	3194.6	3171.8	3164.0	3107.5
50°	1781.4	1794.8	1940.8	2235.2	2577.5	2966.2	3327.3	3471.7	3471.7	3486.7	3469.4
52.5°	1659.0	1670.0	1802.6	2067.2	2392.2	2898.6	3429.4	3668.9	3700.2	3726.2	3767.0
55°	1612.7	1626.0	1726.4	1952.6	2234.4	2705.5	3463.9	3816.4	3874.5	3918.5	4011.1
57.5°	1634.6	1647.9	1719.4	1890.5	2141.8	2508.5	3465.5	4015.1	4127.4	4217.6	4405.2
60°	1729.6	1742.2	1801.9	1947.8	2117.4	2394.6	3398.7	4331.5	4510.4	4680.0	4992.5
62.5°	1685.6	1701.3	1788.5	2042.9	2298.8	2308.2	3157.7	4576.4	4864.6	5115.0	5611.9
65°	1493.3	1509.8	1578.1	1816.0	2309.8	2345.9	2800.5	4581.1	4939.1	5277.5	5813.8
67.5°	1133.7	1140.0	1194.1	1384.9	1847.4	2387.5	2433.0	4038.6	4379.4	4757.0	5310.5
70°	579.4	590.4	606.1	764.7	1189.4	1972.9	2090.7	2976.4	3410.5	3800.8	4465.7
72.5°	201.0	204.9	220.7	292.1	579.4	1294.6	1830.1	2039.7	2302.0	2667.0	3437.2
75°	120.9	120.9	126.4	147.6	264.6	674.4	1628.3	1666.0	1701.3	1823.8	2327.8
77.5°	95.8	97.4	97.4	101.3	146.8	346.2	1236.6	1549.0	1553.8	1565.5	1650.3
80°	68.3	71.4	77.8	80.8	95.0	190.0	694.1	1359.8	1452.5	1497.2	1559.3
82.5°	51.1	54.1	66.0	69.9	73.8	106.0	311.7	938.2	1107.0	1196.5	1414.8
85°	22.8	26.7	44.7	49.5	51.8	56.6	146.0	267.0	307.0	344.7	454.6
87.5°	3.9	3.9	7.1	10.2	14.9	14.1	32.2	45.6	46.3	54.1	60.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0
2.5°	751.4	751.4	751.4	750.6	751.4	751.4	751.4	751.4	752.1	752.1	752.1
5°	767.8	766.2	767.1	767.1	767.1	766.2	767.8	767.1	767.8	770.2	769.4
7.5°	792.2	793.8	794.5	795.4	795.4	795.4	796.1	797.7	797.7	800.0	799.3
10°	828.3	827.5	828.3	830.6	833.0	833.8	836.2	835.4	836.9	840.1	843.2
12.5°	866.8	868.4	870.7	873.0	876.9	877.8	880.1	880.9	885.6	885.6	888.7
15°	910.0	910.7	915.4	916.2	920.9	922.5	926.4	928.0	933.5	934.2	937.4
17.5°	949.2	950.8	953.1	955.4	960.9	963.4	966.5	969.6	974.3	975.9	981.4
20°	980.6	983.7	984.6	989.2	994.0	997.1	1000.2	1003.4	1008.1	1010.4	1015.9
22.5°	1008.8	1012.0	1014.3	1018.3	1021.4	1026.1	1027.7	1033.2	1038.0	1041.9	1046.5
25°	1039.4	1044.2	1046.5	1053.6	1056.0	1060.7	1064.7	1070.1	1076.4	1081.1	1087.4
27.5°	1082.7	1089.8	1092.8	1100.8	1106.2	1108.6	1114.9	1122.7	1128.2	1133.7	1140.0
30°	1142.3	1155.7	1158.1	1163.5	1173.8	1175.4	1183.2	1189.4	1198.1	1203.5	1209.0
32.5°	1235.0	1251.4	1253.0	1259.4	1267.9	1271.1	1277.4	1284.5	1297.8	1300.1	1308.8
35°	1377.1	1384.2	1390.4	1392.8	1399.8	1403.8	1408.5	1416.4	1429.7	1428.1	1437.5
37.5°	1547.5	1549.8	1550.6	1542.7	1544.3	1537.2	1545.9	1547.5	1552.2	1556.1	1565.5
40°	1790.8	1766.5	1763.4	1744.5	1725.7	1715.5	1711.5	1695.8	1699.7	1701.3	1709.2
42.5°	2146.5	2099.4	2060.1	2033.4	1987.1	1964.4	1933.7	1909.4	1890.5	1897.6	1900.8
45°	2597.1	2529.6	2466.8	2385.1	2324.8	2281.5	2227.4	2178.7	2156.7	2146.5	2159.1
47.5°	3047.0	2987.4	2913.6	2829.5	2733.8	2662.3	2572.0	2492.8	2437.8	2417.3	2428.4
50°	3435.6	3380.7	3325.0	3275.5	3164.0	3086.3	2963.0	2860.2	2773.8	2729.9	2718.1
52.5°	3758.3	3729.3	3699.5	3657.9	3568.3	3490.6	3392.5	3291.2	3176.6	3087.1	3056.5
55°	4046.4	4063.7	4048.9	4049.6	4014.3	3964.9	3881.6	3806.3	3726.2	3624.9	3582.4
57.5°	4466.5	4568.6	4589.0	4640.0	4665.1	4691.8	4715.4	4670.6	4650.3	4574.8	4575.7
60°	5128.3	5277.5	5407.1	5524.9	5621.4	5715.7	5814.5	5858.5	5907.2	5930.0	6007.7
62.5°	5832.6	5974.7	6167.9	6325.6	6414.4	6536.9	6644.4	6714.3	6799.9	6890.9	7009.5
65°	6006.9	6178.1	6299.8	6405.0	6492.9	6558.1	6617.0	6700.1	6771.6	6916.0	7055.8
67.5°	5560.1	5696.8	5808.2	5911.9	5980.2	6035.2	6087.8	6142.7	6265.2	6396.3	6536.9
70°	4772.7	4937.6	5122.1	5256.3	5290.1	5337.2	5387.5	5458.9	5520.1	5657.5	5764.3
72.5°	3834.5	4071.6	4227.8	4413.9	4454.0	4525.4	4553.6	4609.4	4620.4	4695.0	4723.2
75°	2672.5	2944.2	3101.2	3237.8	3264.5	3225.2	3241.0	3043.9	2993.6	2952.8	2919.8
77.5°	1764.1	1837.1	1862.2	1840.3	1735.1	1652.7	1564.8	1478.3	1487.8	1417.9	1295.4
80°	1568.7	1585.1	1562.3	1540.4	1479.9	1393.6	1314.2	1233.4	1193.4	1151.0	1088.2
82.5°	1526.2	1589.9	1596.9	1570.2	1522.3	1428.1	1332.4	1212.2	1110.1	1015.9	920.2
85°	510.3	621.0	670.5	716.8	731.0	747.4	690.9	614.0	521.3	459.3	359.5
87.5°	65.2	80.8	93.4	80.1	93.4	110.0	79.3	88.7	89.5	55.7	41.6
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°	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0
2.5°	752.9	752.1	752.1	752.1	751.4	752.1	752.1	752.1	752.1	752.1	751.4
5°	770.2	770.2	772.6	773.3	771.7	771.0	771.7	772.6	772.6	771.7	772.6
7.5°	802.4	803.2	804.7	807.1	805.5	806.3	807.1	806.3	808.7	809.5	808.7
10°	843.2	844.7	848.7	849.5	848.7	851.8	852.7	851.1	852.7	852.7	855.8
12.5°	890.3	891.9	896.6	898.1	899.7	900.6	902.9	903.6	906.1	907.6	910.0
15°	941.3	942.9	946.1	951.5	953.1	954.7	956.3	960.9	961.8	964.9	967.3
17.5°	984.6	986.9	991.6	995.5	997.9	1001.8	1003.4	1008.8	1010.4	1015.2	1019.1
20°	1019.1	1023.0	1026.9	1031.6	1035.5	1040.3	1041.9	1047.4	1050.5	1052.8	1057.6
22.5°	1050.5	1055.2	1060.7	1066.1	1069.3	1075.6	1078.0	1080.3	1087.4	1090.5	1095.3
25°	1091.3	1096.0	1102.3	1109.4	1112.5	1120.4	1122.7	1126.6	1134.5	1137.6	1144.7
27.5°	1147.1	1153.3	1158.1	1165.1	1169.0	1174.5	1180.0	1184.8	1191.8	1196.5	1204.4
30°	1216.9	1221.6	1229.5	1235.0	1241.2	1249.1	1255.4	1260.1	1264.0	1271.1	1279.7
32.5°	1319.7	1320.6	1322.9	1336.3	1342.5	1348.8	1357.5	1361.4	1367.6	1374.7	1384.2
35°	1447.7	1454.8	1460.3	1466.6	1473.7	1480.8	1483.8	1495.6	1501.1	1510.5	1520.0
37.5°	1574.9	1575.7	1588.3	1592.2	1598.5	1605.6	1616.6	1628.3	1642.4	1651.9	1666.8
40°	1711.5	1717.9	1733.5	1741.4	1749.2	1766.5	1775.2	1794.0	1817.5	1830.9	1856.0
42.5°	1909.4	1918.8	1947.1	1959.6	1978.5	2006.7	2024.8	2050.7	2060.1	2092.3	2104.1
45°	2168.5	2197.5	2238.3	2265.0	2298.8	2329.4	2345.1	2356.9	2371.1	2396.2	2393.0
47.5°	2448.8	2486.4	2532.0	2587.0	2608.9	2645.0	2665.4	2688.2	2675.6	2669.4	2663.1
50°	2736.1	2780.1	2840.6	2890.0	2923.7	2945.8	2963.0	2959.8	2933.2	2919.1	2879.8
52.5°	3055.6	3081.6	3138.9	3181.3	3201.7	3206.4	3202.4	3178.9	3153.8	3109.0	3062.7
55°	3545.6	3533.8	3556.6	3576.2	3569.9	3591.9	3535.4	3513.4	3451.4	3393.2	3331.3
57.5°	4541.1	4556.8	4429.6	4372.3	4362.1	4382.5	4282.8	4270.3	4120.3	4101.4	3997.0
60°	5996.7	6073.6	5973.9	5918.2	5767.5	5718.0	5606.5	5560.1	5416.5	5300.3	5153.5
62.5°	7091.1	7161.0	7202.6	7123.3	7035.4	6905.8	6737.1	6550.2	6397.9	6219.7	6064.2
65°	7190.1	7331.4	7427.2	7464.0	7402.0	7260.0	7051.9	6816.3	6583.2	6359.4	6163.1
67.5°	6727.7	6854.0	7002.5	7135.1	7142.9	7050.3	6872.9	6633.4	6364.1	6087.8	5857.7
70°	5933.1	6091.7	6221.2	6361.0	6458.4	6405.0	6316.2	6096.4	5816.9	5601.8	5337.2
72.5°	4825.3	4892.0	4923.5	5060.9	5062.4	4965.1	4902.3	4780.6	4555.2	4402.9	4201.1
75°	2817.8	2671.0	2514.7	2378.9	2268.2	2221.9	2016.2	1981.6	1843.5	1757.9	1632.3
77.5°	1162.0	1030.9	862.1	721.5	582.5	519.7	428.7	388.7	336.8	314.0	299.2
80°	996.3	872.3	745.0	623.4	515.1	406.7	316.4	245.8	193.1	164.1	152.3
82.5°	813.4	738.8	650.1	584.1	499.4	418.4	353.3	274.0	204.9	150.7	115.4
85°	293.7	241.0	194.0	178.2	142.1	117.0	98.1	84.0	69.1	55.0	48.7
87.5°	32.9	31.4	18.0	17.3	19.6	14.1	16.5	14.9	12.6	11.0	11.8
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0	749.0
2.5°	751.4	751.4	752.1	752.1	752.9	753.7	755.3	754.5	754.5	755.3	755.3
5°	772.6	774.9	774.1	774.1	774.1	774.9	775.7	772.6	769.4	766.2	764.7
7.5°	809.5	811.0	812.6	811.0	812.6	811.8	810.2	801.6	791.4	778.8	770.2
10°	857.3	857.3	858.9	858.1	861.3	858.9	854.2	834.6	812.6	785.9	766.2
12.5°	909.1	914.6	912.3	913.1	919.4	913.1	902.1	873.0	833.8	790.6	756.1
15°	970.4	972.8	974.3	972.0	975.9	970.4	950.8	904.5	847.2	786.7	735.6
17.5°	1020.7	1021.4	1022.2	1023.8	1029.3	1023.0	989.2	926.4	850.2	768.7	701.1
20°	1059.9	1063.8	1067.0	1067.0	1074.8	1065.4	1020.7	937.4	840.1	738.8	657.1
22.5°	1100.8	1103.9	1107.8	1108.6	1118.8	1109.4	1046.5	935.1	813.4	696.4	606.1
25°	1151.0	1154.1	1157.2	1161.2	1175.4	1162.0	1072.5	925.7	776.5	646.1	551.2
27.5°	1209.0	1216.1	1218.5	1224.8	1241.2	1220.8	1094.4	911.5	735.6	588.0	493.0
30°	1286.8	1295.4	1298.6	1307.2	1330.0	1285.2	1107.0	887.2	683.8	529.1	431.1
32.5°	1391.3	1403.0	1412.4	1421.9	1447.7	1349.6	1108.6	851.8	623.4	463.3	371.4
35°	1527.8	1545.9	1552.9	1559.3	1583.5	1419.5	1101.5	799.3	549.6	395.7	324.3
37.5°	1680.9	1699.0	1703.7	1706.8	1711.5	1479.2	1084.3	719.2	466.3	336.8	286.6
40°	1869.3	1885.0	1891.4	1886.6	1861.5	1525.5	1045.8	625.8	385.5	296.7	263.0
42.5°	2099.4	2123.0	2125.3	2104.1	2020.8	1551.4	968.8	515.8	321.9	267.7	244.9
45°	2384.4	2382.8	2369.5	2354.5	2194.4	1541.2	861.3	420.0	281.9	244.9	228.5
47.5°	2640.3	2613.6	2593.2	2549.2	2347.5	1481.5	722.3	347.8	257.5	227.7	214.3
50°	2850.0	2801.3	2758.1	2710.2	2461.3	1375.5	584.1	295.2	234.8	212.7	201.0
52.5°	3015.6	2956.8	2906.5	2859.4	2571.3	1257.8	478.9	256.7	212.7	197.9	186.0
55°	3274.7	3215.8	3135.7	3083.9	2739.3	1149.4	410.6	226.1	191.5	182.1	170.3
57.5°	3930.3	3878.4	3782.6	3648.4	3171.1	1108.6	372.2	202.5	174.3	168.8	159.3
60°	5075.0	4991.0	4866.2	4729.5	4048.9	1136.1	341.5	186.0	162.5	157.8	150.7
62.5°	5938.5	5791.0	5649.7	5523.3	4750.7	1135.3	301.5	173.5	153.9	151.5	144.5
65°	5973.9	5823.9	5681.9	5549.2	4766.4	1010.4	254.4	162.5	152.3	151.5	139.7
67.5°	5656.8	5494.2	5356.9	5189.6	4412.3	789.9	204.1	155.4	158.6	157.0	138.1
70°	5138.5	4926.5	4813.5	4648.7	3883.2	552.7	168.0	157.8	171.9	167.3	140.6
72.5°	4033.1	3873.0	3701.0	3586.4	3039.9	349.4	141.3	159.3	177.4	169.6	146.8
75°	1501.1	1544.3	1473.7	1448.6	1544.3	204.9	125.6	148.4	158.6	146.8	133.5
77.5°	303.1	289.7	274.8	271.6	351.0	126.4	115.4	128.7	121.7	107.5	108.4
80°	145.2	141.3	136.7	135.8	130.3	105.2	106.8	110.0	91.8	83.3	88.7
82.5°	96.6	91.1	89.5	86.3	87.9	94.2	101.3	94.2	70.7	66.0	80.1
85°	44.7	43.2	42.4	42.4	47.1	84.8	84.0	69.1	48.7	47.1	80.1
87.5°	11.0	11.0	11.8	11.0	12.6	25.1	22.0	21.2	18.0	20.4	37.7
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°	749.0	749.0	749.0
2.5°	754.5	755.3	754.5
5°	761.6	761.6	761.6
7.5°	761.6	759.2	758.4
10°	750.6	743.5	743.5
12.5°	731.7	719.9	718.4
15°	696.4	680.7	678.3
17.5°	651.6	630.4	626.5
20°	601.4	574.7	570.0
22.5°	546.4	515.8	513.5
25°	492.3	460.8	454.6
27.5°	431.8	401.2	398.0
30°	371.4	344.7	343.1
32.5°	320.3	303.8	300.7
35°	284.2	274.8	270.9
37.5°	260.7	253.6	252.8
40°	242.6	236.3	235.5
42.5°	227.7	222.1	221.4
45°	212.7	208.1	206.5
47.5°	197.9	193.1	192.4
50°	184.5	178.2	177.4
52.5°	171.9	165.7	164.1
55°	160.2	153.9	153.9
57.5°	150.0	143.7	142.9
60°	140.6	134.2	133.5
62.5°	133.5	125.6	124.8
65°	128.0	120.1	118.5
67.5°	124.8	115.4	113.0
70°	130.3	113.0	109.1
72.5°	131.1	110.7	105.2
75°	126.4	104.5	100.5
77.5°	110.7	93.4	89.5
80°	95.8	72.2	66.7
82.5°	91.1	58.9	51.1
85°	70.7	38.5	36.1
87.5°	40.0	21.2	17.3
90°	0.0	0.0	0.0

(END OF REPORT)