

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: P181438

Luminaire Tested: **ICM-E03-LED-E1-T3-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181438  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
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-T3-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7860.6 lumens  
Efficiency: N/A  
Efficacy: 104.5 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: B2 - U0 - G2

Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

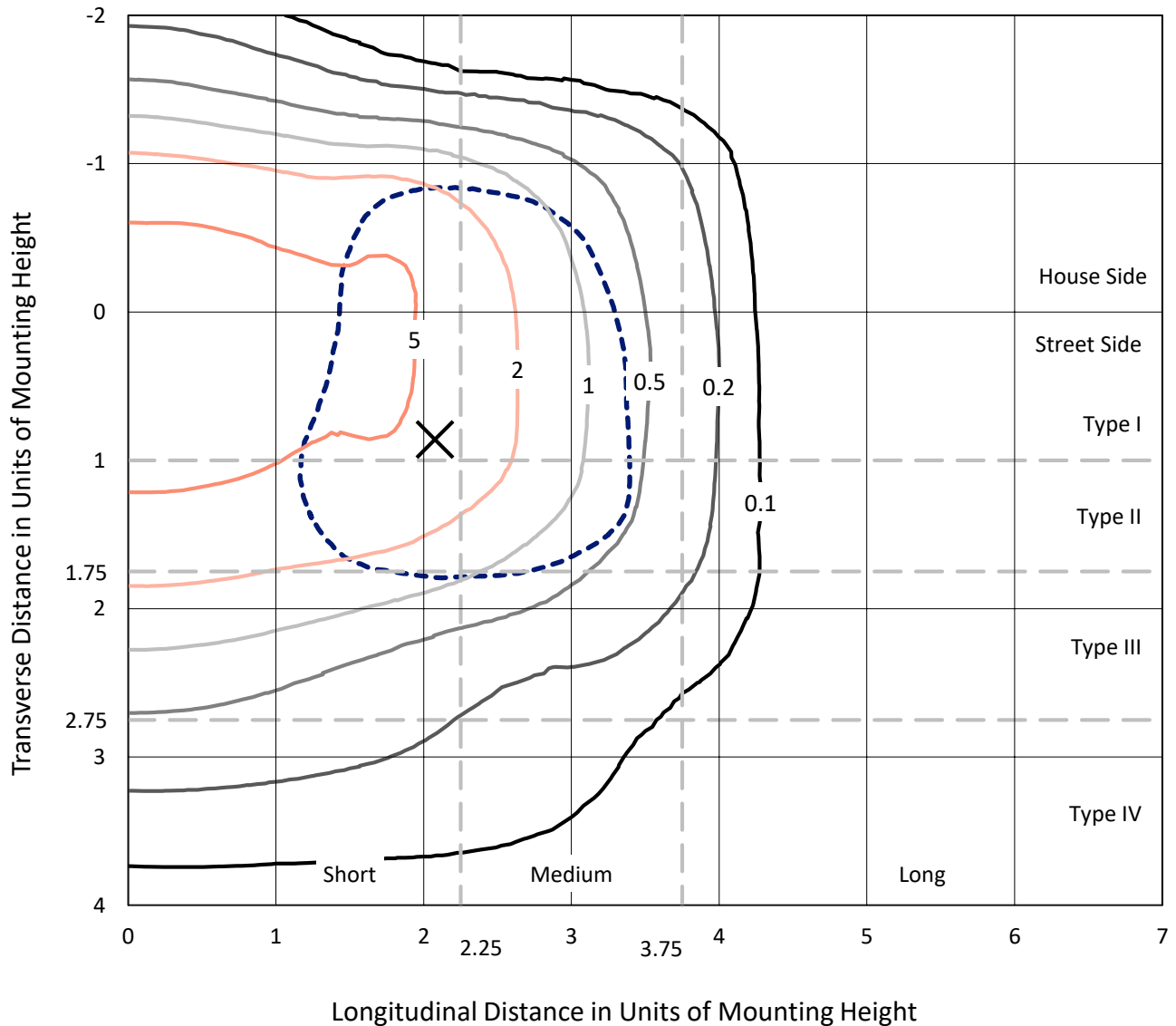


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

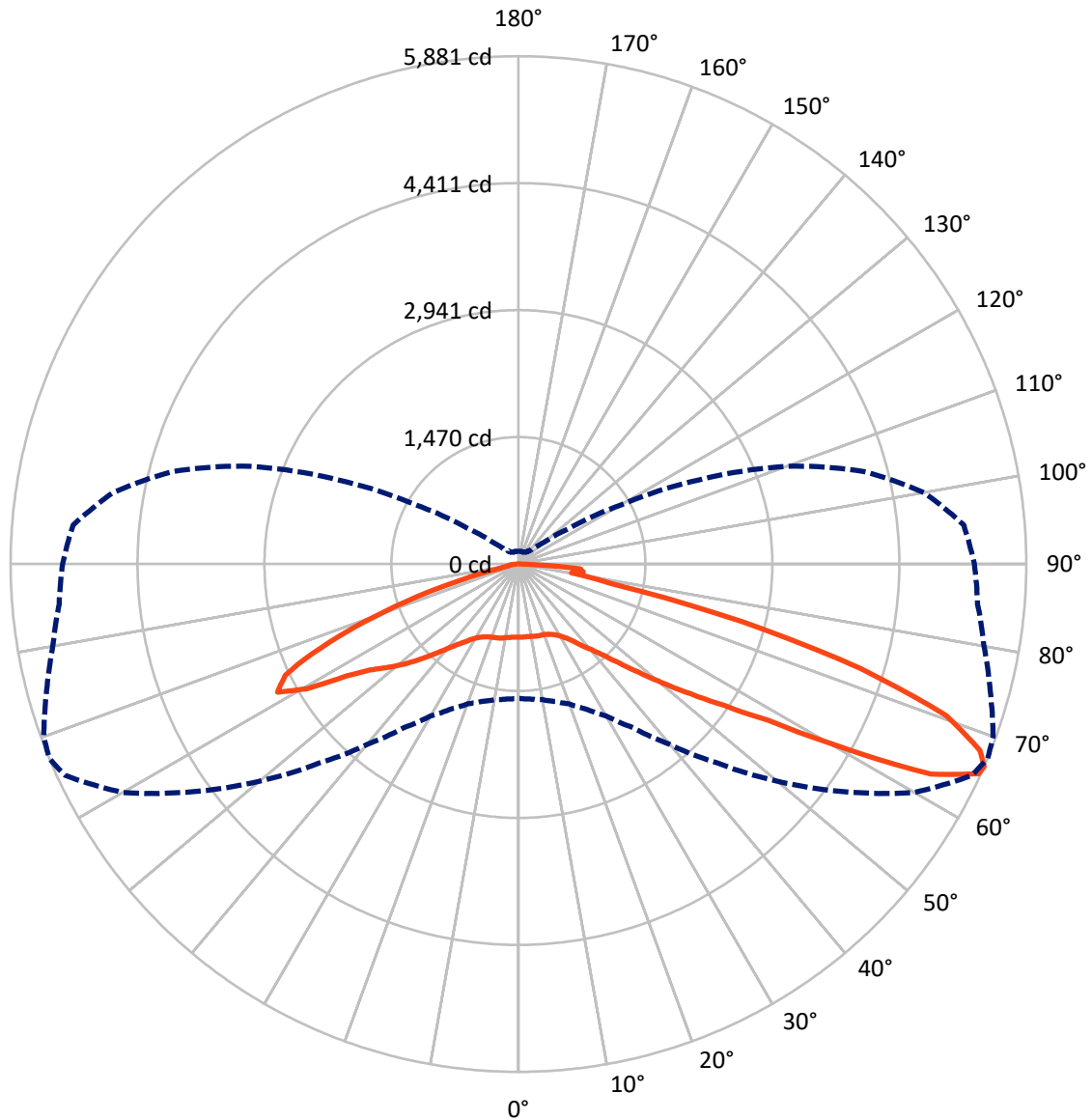


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2714.5	0.0	2714.5
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	5146.1	0.0	5146.1
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	7860.6	0.0	7860.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.1	1.0
10°-20°	239.4	3.0
20°-30°	411.5	5.2
30°-40°	668.2	8.5
40°-50°	1115.6	14.2
50°-60°	1756.6	22.3
60°-70°	2395.3	30.5
70°-80°	1036.9	13.2
80°-90°	155.9	2.0
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°	7860.6	100.0
0°-180°	7860.6	100.0



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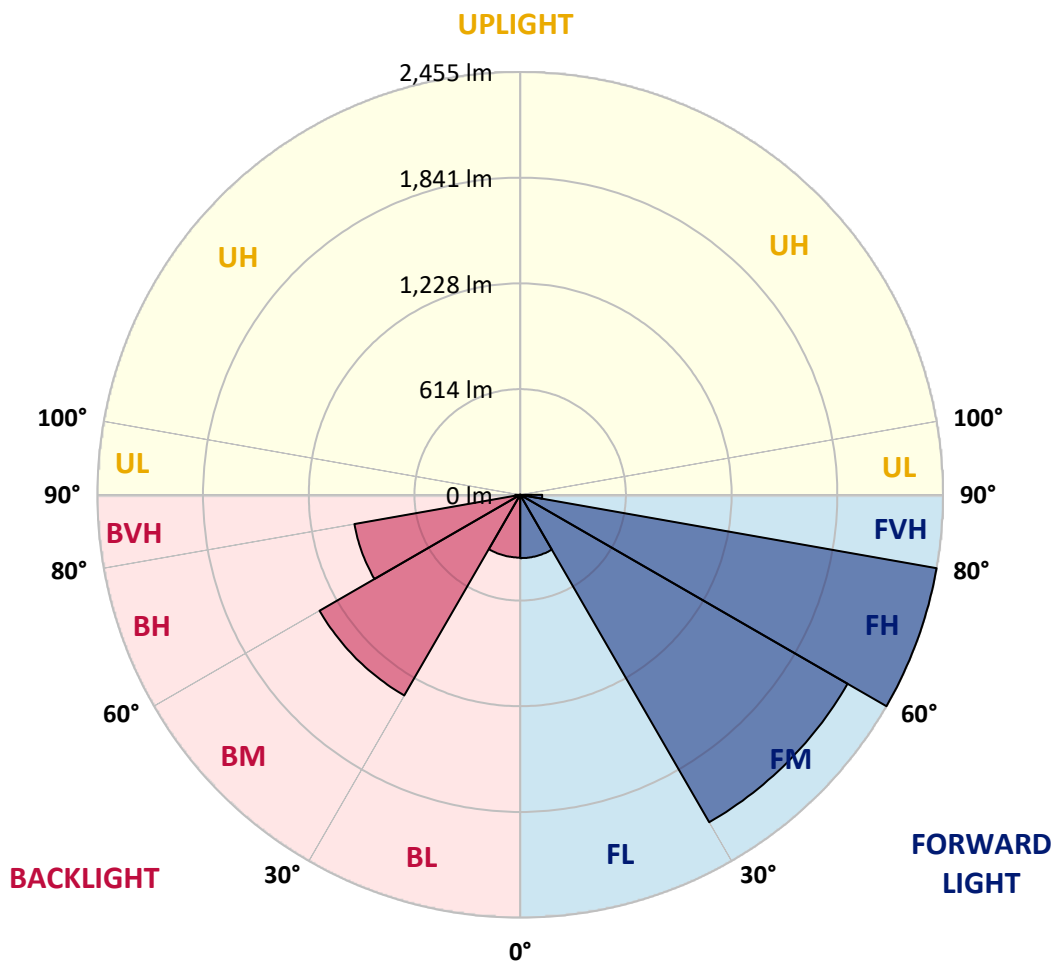
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.7	4.7			
FM	(30°-60°)	2195.2	27.9			
FH	(60°-80°)	2455.1	31.2			G2/5000
FVH	(80°-90°)	128.0	1.6			G2/225
BL	(0°-30°)	364.4	4.6	B1/500		
BM	(30°-60°)	1345.1	17.1	B2/2500		
BH	(60°-80°)	977.1	12.4	B2/1000		G2/1000
BVH	(80°-90°)	27.9	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1
2.5°	850.5	853.9	850.5	851.4	852.2	851.4	850.5	850.5	847.9	849.7	851.4
5°	847.1	849.7	848.7	849.7	850.5	849.7	848.7	849.7	847.9	848.7	851.4
7.5°	842.8	842.0	842.8	844.6	846.2	846.2	846.2	847.1	846.2	846.2	848.7
10°	830.1	831.0	832.7	835.2	836.0	838.6	838.6	841.1	842.0	843.7	847.1
12.5°	814.0	814.8	816.5	818.2	822.4	826.7	826.7	832.7	835.2	839.4	845.4
15°	802.1	802.9	804.6	806.3	809.7	814.0	816.5	823.3	827.5	835.2	843.7
17.5°	808.8	808.0	809.7	810.5	810.5	814.0	814.0	819.1	824.1	831.0	842.0
20°	828.4	828.4	830.1	830.1	829.2	831.0	827.5	827.5	828.4	831.8	839.4
22.5°	847.9	847.1	850.5	852.2	853.0	855.5	852.2	851.4	847.1	844.6	847.1
25°	866.6	865.8	870.1	872.6	876.8	879.4	879.4	879.4	876.0	871.7	869.2
27.5°	895.5	895.5	899.7	902.3	905.7	910.8	913.4	913.4	914.2	908.3	904.0
30°	943.9	944.7	945.7	949.0	952.5	954.1	957.5	960.1	962.6	959.3	952.5
32.5°	1001.7	996.7	996.7	1001.7	1006.0	1011.1	1012.8	1016.2	1021.2	1018.7	1017.9
35°	1070.5	1068.8	1067.2	1068.8	1074.0	1079.9	1086.7	1092.7	1089.2	1094.3	1091.8
37.5°	1172.5	1174.2	1175.1	1175.1	1174.2	1175.9	1179.3	1185.2	1183.5	1185.2	1188.7
40°	1340.8	1334.8	1328.8	1329.7	1321.2	1322.9	1309.3	1315.3	1316.1	1310.1	1312.7
42.5°	1508.9	1512.4	1514.9	1521.7	1515.7	1512.4	1499.6	1499.6	1492.8	1486.9	1485.1
45°	1690.8	1697.6	1698.4	1712.0	1706.9	1718.0	1727.3	1724.8	1713.7	1712.8	1700.9
47.5°	1836.1	1847.1	1859.0	1875.2	1887.9	1912.6	1941.4	1955.8	1964.4	1971.2	1957.6
50°	1944.8	1949.9	1980.5	2006.0	2034.1	2074.8	2114.7	2166.5	2208.2	2227.7	2246.4
52.5°	2003.5	2016.2	2049.3	2089.2	2138.5	2199.7	2264.3	2346.7	2418.1	2465.6	2508.1
55°	2016.2	2028.9	2066.3	2117.3	2184.4	2266.8	2359.5	2471.6	2578.6	2670.4	2759.6
57.5°	1980.5	1994.9	2034.9	2093.5	2172.5	2272.8	2389.1	2536.2	2684.0	2832.7	2964.4
60°	1915.1	1932.9	1969.4	2027.3	2114.7	2227.7	2367.1	2551.5	2758.7	2986.4	3238.8
62.5°	1807.2	1825.9	1859.8	1923.5	2013.6	2138.5	2299.9	2529.3	2822.4	3181.0	3628.8
65°	1633.9	1642.3	1684.0	1748.6	1828.4	1966.1	2143.6	2420.6	2802.1	3300.9	3917.7
66°	1555.6	1570.1	1595.6	1647.5	1723.9	1853.0	2031.5	2312.7	2724.8	3259.2	3910.0
67.5°	1433.3	1444.4	1461.4	1496.2	1542.9	1638.1	1807.2	2073.1	2488.6	3048.5	3747.7
70°	1158.9	1164.0	1187.0	1198.8	1215.0	1246.4	1307.5	1460.5	1784.2	2310.2	3024.7
72.5°	790.1	804.6	829.2	863.3	907.4	949.9	978.8	998.3	1068.0	1378.1	2015.4
75°	579.4	594.7	626.1	671.2	748.6	836.9	928.7	971.2	942.2	902.3	1122.3
77.5°	336.5	356.8	383.2	426.5	497.9	615.2	772.3	911.6	1006.0	1011.9	960.9
80°	141.9	144.5	160.6	182.7	226.9	309.3	431.6	632.1	841.1	982.1	1015.4
82.5°	32.3	39.9	51.0	60.3	74.0	102.0	151.3	251.5	454.5	712.8	929.5
85°	11.9	11.9	16.2	23.8	27.2	30.6	39.9	63.7	108.7	200.6	418.0
87.5°	0.0	0.8	1.7	1.7	3.4	4.3	6.8	9.3	8.5	7.6	25.5
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1
2.5°	849.7	848.7	847.1	847.1	847.1	847.1	845.4	846.2	844.6	845.4	845.4
5°	848.7	848.7	847.9	846.2	847.1	847.1	847.9	846.2	846.2	847.1	846.2
7.5°	848.7	847.9	847.9	847.9	848.7	847.9	848.7	848.7	848.7	849.7	849.7
10°	848.7	848.7	850.5	851.4	851.4	852.2	854.7	854.7	855.5	856.5	858.1
12.5°	849.7	853.0	855.5	858.1	859.0	860.7	864.9	864.9	866.6	869.2	870.1
15°	850.5	855.5	860.7	862.4	864.1	867.4	871.7	873.4	876.0	878.5	880.2
17.5°	849.7	856.5	862.4	864.9	867.4	871.7	876.8	878.5	882.0	885.3	888.7
20°	848.7	858.1	867.4	870.9	874.2	880.2	887.0	891.3	894.7	899.7	903.2
22.5°	853.9	864.9	877.7	882.8	888.7	896.4	905.7	910.8	915.1	920.2	922.7
25°	870.1	878.5	893.8	902.3	910.0	922.7	935.4	941.4	946.5	950.7	951.6
27.5°	897.2	899.7	918.4	929.5	940.6	960.9	976.2	980.5	989.9	993.2	992.4
30°	941.4	937.1	952.5	969.4	985.6	1013.6	1032.3	1043.4	1051.8	1051.8	1045.0
32.5°	1005.1	998.3	1002.6	1022.1	1040.8	1081.6	1103.6	1118.1	1124.1	1122.3	1107.9
35°	1088.4	1084.1	1081.6	1096.8	1126.6	1174.2	1203.1	1210.7	1220.1	1218.3	1199.7
37.5°	1187.0	1183.5	1183.5	1201.4	1230.2	1300.8	1332.2	1337.3	1336.5	1322.9	1288.0
40°	1303.4	1301.7	1294.0	1304.2	1328.8	1420.6	1463.1	1469.9	1460.5	1438.4	1397.7
42.5°	1470.7	1460.5	1436.8	1442.7	1461.4	1550.6	1605.8	1624.5	1615.2	1593.0	1526.8
45°	1689.0	1678.1	1638.1	1633.0	1643.2	1721.3	1792.8	1796.9	1795.3	1767.3	1689.0
47.5°	1945.7	1928.7	1886.2	1872.6	1869.2	1941.4	2010.2	2017.0	2012.8	1971.2	1866.6
50°	2223.5	2198.9	2170.8	2161.5	2147.8	2199.7	2269.4	2270.2	2253.2	2195.5	2097.8
52.5°	2520.0	2511.6	2506.4	2497.0	2491.1	2536.2	2578.6	2553.1	2527.6	2467.4	2382.3
55°	2819.1	2853.9	2889.6	2893.0	2903.2	2951.6	2950.8	2881.1	2862.4	2829.3	2745.1
57.5°	3136.9	3266.0	3378.2	3413.0	3447.0	3537.0	3528.5	3459.7	3435.9	3395.1	3325.5
60°	3569.3	3917.7	4241.3	4318.7	4372.2	4480.1	4469.9	4363.7	4413.0	4409.6	4319.6
62.5°	4175.1	4754.5	5239.7	5358.6	5396.0	5407.9	5343.4	5228.7	5277.1	5331.5	5054.4
65°	4585.5	5266.9	5764.8	5856.5	5861.6	5719.8	5576.1	5441.1	5429.1	5382.5	4986.5
66°	4594.8	5292.4	5791.9	5881.2	5849.7	5656.0	5474.2	5338.3	5279.7	5176.8	4766.4
67.5°	4430.0	5133.5	5671.3	5765.6	5696.8	5422.4	5171.8	4996.7	4882.0	4715.5	4353.5
70°	3720.6	4418.1	5080.8	5256.7	5278.7	4869.2	4521.8	4316.1	4161.5	3933.0	3621.1
72.5°	2766.4	3396.9	3981.4	4149.6	4235.5	3908.3	3615.2	3458.8	3247.3	3006.8	2785.1
75°	1734.1	2179.3	2571.0	2689.1	2608.4	2355.2	2179.3	2113.9	1905.7	1762.2	1661.0
77.5°	991.5	1130.9	1162.3	1117.3	1022.1	782.5	556.5	412.1	357.7	395.9	436.7
80°	967.7	887.0	706.9	622.0	563.4	387.4	227.7	156.4	130.0	133.4	144.5
82.5°	1048.5	1124.9	926.1	755.4	633.9	428.2	236.2	125.8	84.9	100.3	113.0
85°	681.4	948.2	853.9	719.6	582.9	366.2	194.6	65.4	43.3	56.9	78.1
87.5°	68.8	75.6	64.6	87.5	65.4	30.6	15.3	9.3	8.5	10.2	15.3
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1	847.1
2.5°	846.2	846.2	847.1	847.9	848.7	849.7	849.7	849.7	849.7	851.4	850.5
5°	847.9	849.7	851.4	852.2	853.9	853.9	856.5	855.5	855.5	858.1	859.0
7.5°	851.4	853.9	857.3	856.5	859.8	859.0	860.7	860.7	858.1	859.0	857.3
10°	859.0	862.4	864.1	861.5	862.4	859.0	858.1	853.9	848.7	846.2	842.8
12.5°	871.7	875.2	875.2	870.9	865.8	858.1	852.2	842.8	835.2	831.0	826.7
15°	882.8	886.1	885.3	878.5	870.9	859.0	850.5	839.4	828.4	821.6	817.3
17.5°	891.3	892.9	890.4	881.0	872.6	861.5	853.0	841.1	828.4	819.9	812.3
20°	904.0	902.3	896.4	884.5	875.2	864.9	858.1	847.9	833.5	822.4	811.4
22.5°	922.7	915.9	904.8	892.1	882.8	873.4	866.6	855.5	841.1	827.5	814.8
25°	947.4	933.8	918.4	904.8	896.4	886.1	878.5	866.6	851.4	836.0	820.7
27.5°	983.0	959.3	939.7	927.8	918.4	905.7	896.4	881.0	864.9	847.1	830.1
30°	1023.0	990.7	972.0	962.6	952.5	938.9	924.4	904.8	886.1	866.6	846.2
32.5°	1074.8	1035.7	1017.9	1008.5	994.9	978.0	960.9	938.9	912.5	887.0	862.4
35°	1142.8	1102.8	1084.1	1069.7	1051.0	1028.9	1004.3	974.5	938.9	904.8	873.4
37.5°	1215.8	1172.5	1154.6	1139.4	1111.4	1082.4	1047.6	1004.3	955.8	910.8	871.7
40°	1308.5	1268.5	1245.6	1219.3	1186.1	1135.9	1081.6	1018.7	956.7	901.5	855.5
42.5°	1425.7	1385.8	1351.7	1310.1	1252.4	1175.1	1097.7	1016.2	941.4	878.5	829.2
45°	1581.1	1532.8	1474.1	1401.0	1307.5	1199.7	1098.6	1000.0	912.5	842.8	790.1
47.5°	1771.5	1697.6	1601.6	1478.3	1344.1	1206.5	1084.9	967.7	867.4	791.8	733.2
50°	1997.5	1881.1	1723.1	1542.1	1362.8	1196.3	1051.0	919.3	803.7	723.1	653.4
52.5°	2255.7	2065.5	1832.7	1588.0	1362.0	1162.3	993.2	846.2	720.5	630.4	564.2
55°	2559.1	2276.2	1945.7	1622.0	1338.1	1099.4	904.8	743.4	617.7	534.4	473.2
57.5°	3003.5	2617.7	2142.8	1674.6	1290.6	1002.6	785.0	620.2	509.8	430.8	379.0
60°	3815.7	3187.8	2497.9	1780.8	1217.5	860.7	644.8	488.6	395.9	332.2	297.4
62.5°	4427.5	3628.8	2690.0	1757.0	1070.5	685.7	478.3	356.0	291.4	248.1	226.0
65°	4339.9	3492.0	2485.1	1513.2	839.4	483.4	317.8	242.1	200.6	180.1	167.3
66°	4142.0	3313.6	2307.6	1362.0	725.6	401.9	261.7	203.1	172.5	158.0	149.5
67.5°	3766.4	2982.3	1989.9	1116.4	557.4	291.4	197.1	160.6	140.2	134.2	128.3
70°	3130.9	2378.2	1396.8	650.0	284.7	162.2	124.9	112.2	107.1	106.2	104.5
72.5°	2399.4	1683.1	822.4	307.5	147.8	107.9	96.8	92.7	90.9	90.9	91.7
75°	1470.7	945.7	363.6	150.4	103.6	90.9	85.8	84.1	83.3	84.1	83.3
77.5°	491.1	300.7	155.4	113.9	94.3	84.1	80.7	79.0	79.0	79.0	79.0
80°	150.4	130.9	119.0	105.4	89.2	79.9	74.8	74.0	74.8	75.6	73.0
82.5°	113.0	107.1	100.3	93.5	80.7	71.3	69.7	69.7	69.7	67.2	63.7
85°	83.3	82.4	68.0	63.7	59.4	59.4	59.4	59.4	56.9	52.7	49.3
87.5°	15.3	14.4	15.3	16.2	23.8	25.5	25.5	27.2	29.8	28.0	28.0
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):**

	160°	165°	170°	175°	180°
0°	847.1	847.1	847.1	847.1	847.1
2.5°	850.5	849.7	852.2	850.5	851.4
5°	858.1	857.3	859.0	857.3	859.8
7.5°	855.5	853.9	853.0	853.9	854.7
10°	837.8	836.0	835.2	834.3	835.2
12.5°	822.4	819.1	819.1	817.3	818.2
15°	811.4	808.8	808.0	806.3	807.2
17.5°	806.3	802.1	800.4	798.6	798.6
20°	802.9	797.8	795.3	793.6	792.7
22.5°	802.9	795.3	791.8	790.1	789.3
25°	806.3	796.9	791.8	789.3	788.5
27.5°	813.1	801.2	795.3	791.8	791.8
30°	825.0	809.7	801.2	796.9	796.1
32.5°	836.9	816.5	804.6	799.5	797.8
35°	842.8	816.5	802.1	793.6	791.8
37.5°	836.0	805.5	787.6	774.9	772.3
40°	814.8	782.5	763.0	751.1	749.4
42.5°	786.8	755.4	732.4	723.9	721.3
45°	748.6	711.2	688.2	676.3	677.1
47.5°	683.1	644.8	624.5	613.4	615.2
50°	605.8	568.4	550.6	538.7	541.2
52.5°	520.8	486.8	469.9	463.9	462.2
55°	431.6	405.3	393.4	386.6	384.0
57.5°	350.0	331.4	322.9	314.3	315.3
60°	276.1	266.8	264.3	254.9	254.0
62.5°	217.5	211.5	209.0	202.2	203.1
65°	164.8	163.2	164.8	160.6	162.2
66°	148.7	149.5	149.5	147.0	148.7
67.5°	128.3	130.0	132.6	130.0	131.7
70°	106.2	107.9	109.6	109.6	109.6
72.5°	92.7	94.3	95.2	95.2	95.2
75°	84.9	85.8	86.7	84.9	84.9
77.5°	79.9	79.9	78.1	77.3	76.5
80°	72.2	71.3	68.8	67.2	67.2
82.5°	60.3	58.6	56.9	54.4	54.4
85°	45.9	44.2	42.5	39.1	37.4
87.5°	23.8	24.7	23.8	19.5	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)