

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: P181504

Luminaire Tested: **ICS-F03-LED-E1-T3**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181504  
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: ICS-F03-LED-E1-T3  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6874.2 lumens  
Efficiency: N/A  
Efficacy: 87.8 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

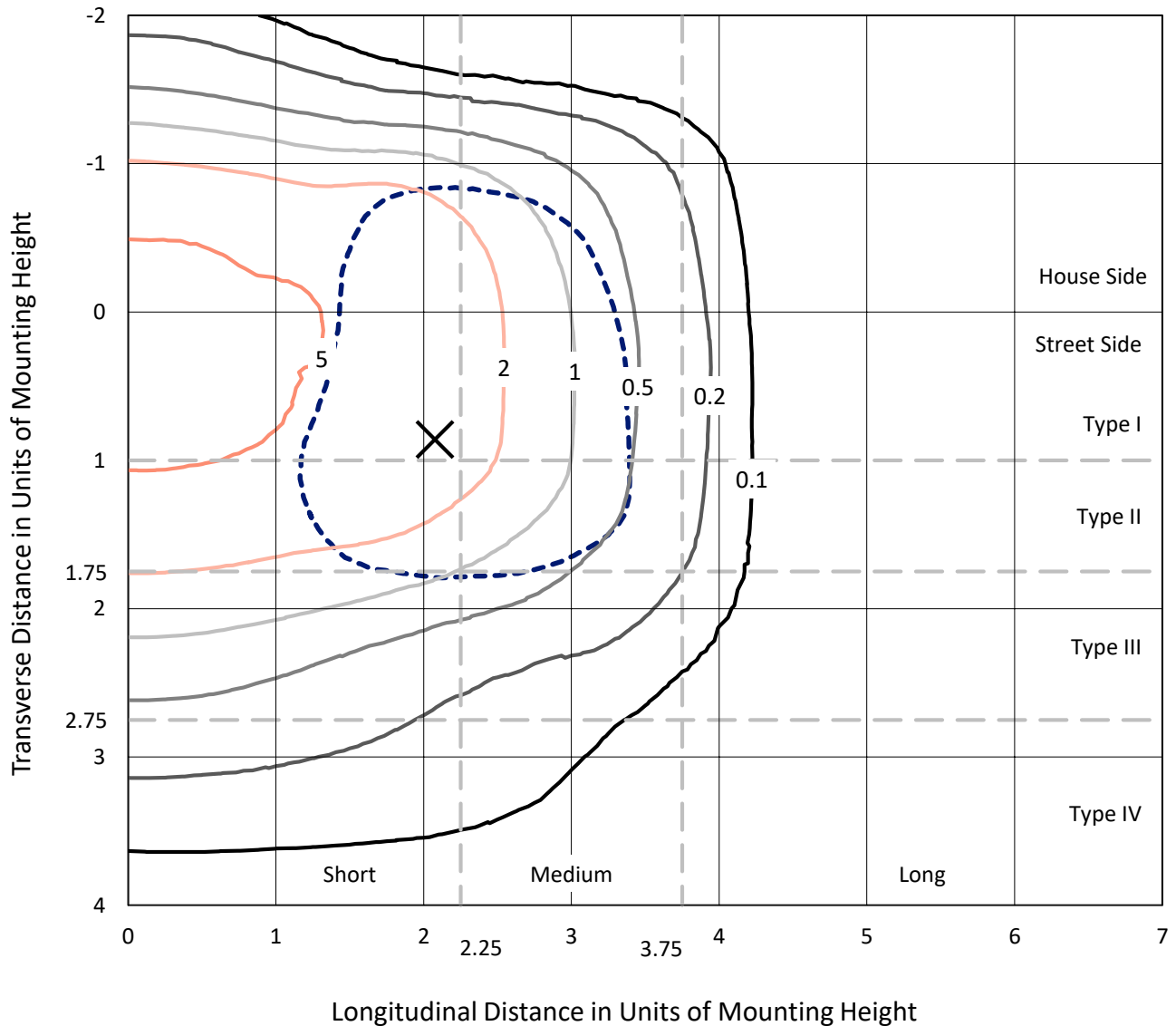
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

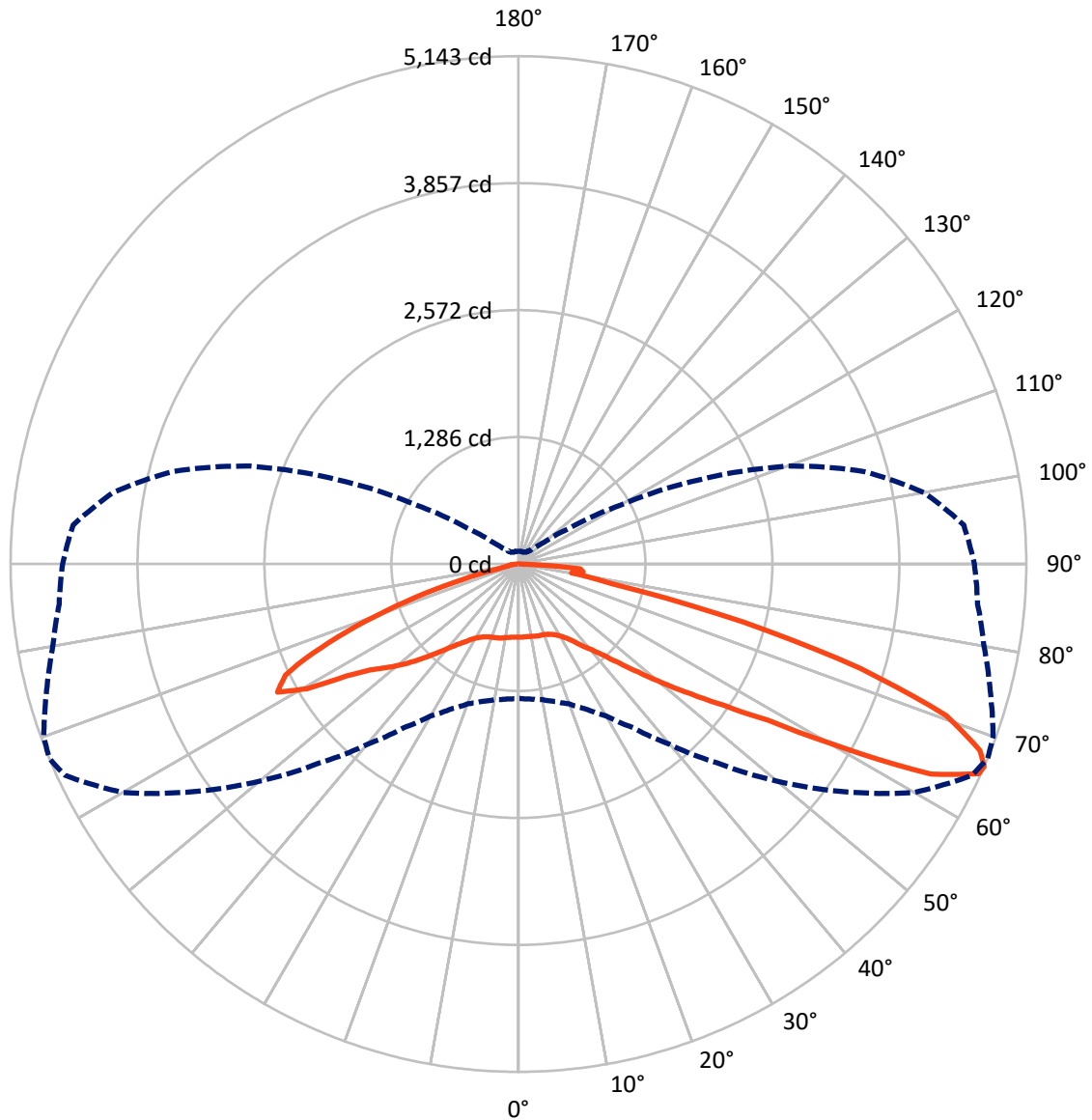
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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	2373.9	0.0	2373.9
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	4500.3	0.0	4500.3
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	6874.2	0.0	6874.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.0	1.0
10°-20°	209.4	3.0
20°-30°	359.9	5.2
30°-40°	584.3	8.5
40°-50°	975.6	14.2
50°-60°	1536.2	22.3
60°-70°	2094.7	30.5
70°-80°	906.8	13.2
80°-90°	136.4	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°	6874.2	100.0
0°-180°	6874.2	100.0

**Coefficient of Utilization**



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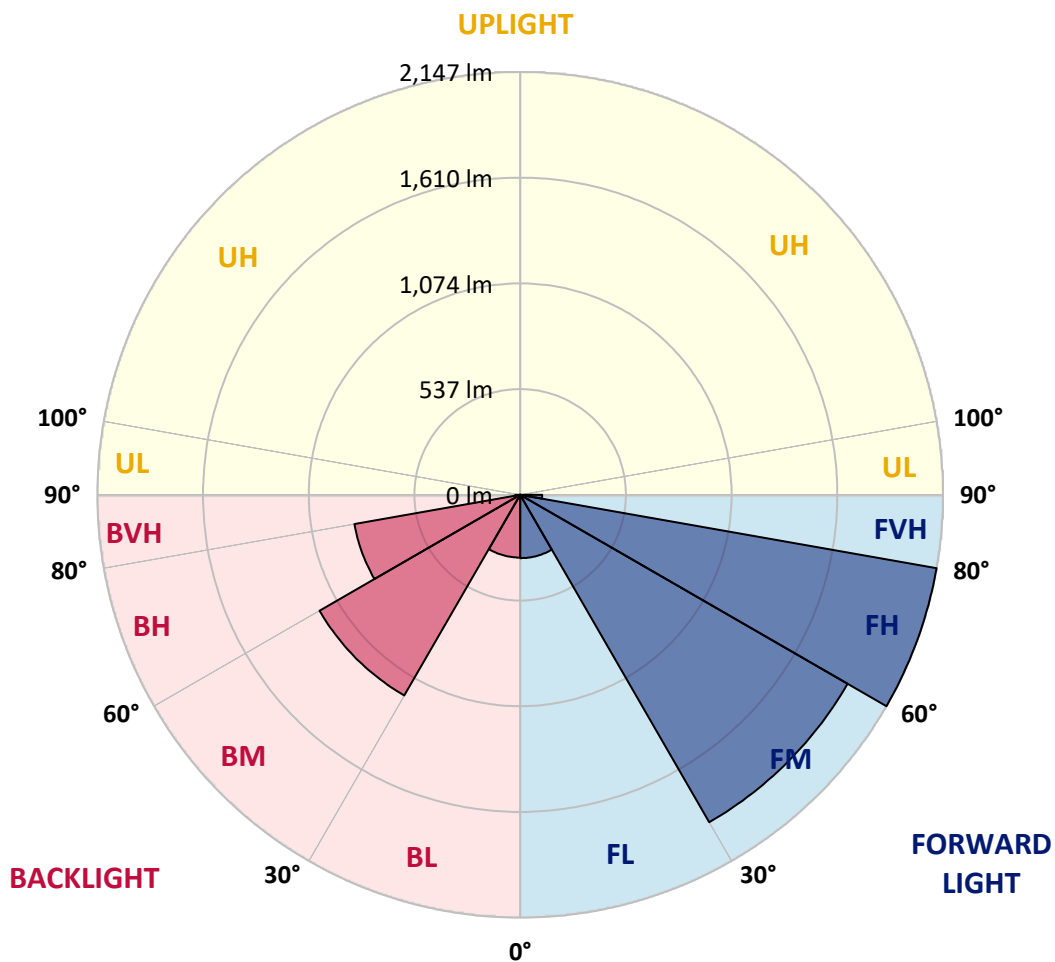
CATALOG NUMBER: ICS-F03-LED-E1-T3

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.6	4.7			
FM	(30°-60°)	1919.7	27.9			
FH	(60°-80°)	2147.0	31.2			G2/5000
FVH	(80°-90°)	112.0	1.6			G2/225
BL	(0°-30°)	318.7	4.6	B1/500		
BM	(30°-60°)	1176.3	17.1	B2/2500		
BH	(60°-80°)	854.5	12.4	B2/1000		G2/1000
BVH	(80°-90°)	24.4	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°	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8
2.5°	743.8	746.7	743.8	744.5	745.2	744.5	743.8	743.8	741.5	743.0	744.5
5°	740.8	743.0	742.3	743.0	743.8	743.0	742.3	743.0	741.5	742.3	744.5
7.5°	737.1	736.3	737.1	738.6	740.0	740.0	740.0	740.8	740.0	740.0	742.3
10°	725.9	726.7	728.2	730.4	731.1	733.4	733.4	735.6	736.3	737.8	740.8
12.5°	711.8	712.5	714.0	715.5	719.2	723.0	723.0	728.2	730.4	734.1	739.3
15°	701.4	702.1	703.6	705.1	708.1	711.8	714.0	720.0	723.7	730.4	737.8
17.5°	707.3	706.6	708.1	708.8	708.8	711.8	711.8	716.3	720.7	726.7	736.3
20°	724.4	724.4	725.9	725.9	725.2	726.7	723.7	723.7	724.4	727.4	734.1
22.5°	741.5	740.8	743.8	745.2	746.0	748.2	745.2	744.5	740.8	738.6	740.8
25°	757.9	757.1	760.8	763.1	766.8	769.0	769.0	769.0	766.0	762.3	760.1
27.5°	783.1	783.1	786.9	789.1	792.1	796.5	798.7	798.7	799.5	794.3	790.6
30°	825.5	826.2	827.0	829.9	832.9	834.4	837.4	839.6	841.8	838.9	832.9
32.5°	876.0	871.6	871.6	876.0	879.7	884.2	885.7	888.6	893.1	890.9	890.1
35°	936.2	934.7	933.2	934.7	939.2	944.4	950.3	955.5	952.5	957.0	954.8
37.5°	1025.4	1026.8	1027.6	1027.6	1026.8	1028.3	1031.3	1036.5	1035.0	1036.5	1039.5
40°	1172.5	1167.3	1162.1	1162.8	1155.4	1156.9	1145.0	1150.2	1150.9	1145.7	1148.0
42.5°	1319.6	1322.6	1324.8	1330.7	1325.5	1322.6	1311.4	1311.4	1305.5	1300.3	1298.8
45°	1478.6	1484.5	1485.3	1497.2	1492.7	1502.4	1510.5	1508.3	1498.7	1497.9	1487.5
47.5°	1605.7	1615.3	1625.7	1639.8	1651.0	1672.5	1697.8	1710.4	1717.8	1723.8	1711.9
50°	1700.8	1705.2	1732.0	1754.3	1778.8	1814.4	1849.4	1894.7	1931.1	1948.2	1964.5
52.5°	1752.0	1763.2	1792.1	1827.1	1870.2	1923.7	1980.1	2052.2	2114.6	2156.2	2193.4
55°	1763.2	1774.3	1807.0	1851.6	1910.3	1982.4	2063.3	2161.4	2255.0	2335.3	2413.3
57.5°	1732.0	1744.6	1779.5	1830.8	1899.9	1987.6	2089.4	2217.9	2347.2	2477.2	2592.4
60°	1674.8	1690.4	1722.3	1772.8	1849.4	1948.2	2070.0	2231.3	2412.6	2611.7	2832.4
62.5°	1580.4	1596.7	1626.5	1682.2	1760.9	1870.2	2011.3	2211.9	2468.3	2781.8	3173.4
65°	1428.8	1436.2	1472.7	1529.1	1599.0	1719.3	1874.6	2116.8	2450.5	2886.6	3426.0
66°	1360.5	1373.1	1395.4	1440.7	1507.6	1620.5	1776.5	2022.5	2382.8	2850.2	3419.3
67.5°	1253.5	1263.1	1278.0	1308.4	1349.3	1432.5	1580.4	1813.0	2176.3	2665.9	3277.4
70°	1013.5	1017.9	1038.0	1048.4	1062.5	1090.0	1143.5	1277.2	1560.3	2020.3	2645.1
72.5°	691.0	703.6	725.2	754.9	793.5	830.7	856.0	873.0	934.0	1205.2	1762.4
75°	506.7	520.1	547.6	587.0	654.6	731.9	812.1	849.3	824.0	789.1	981.5
77.5°	294.2	312.1	335.1	373.0	435.4	537.9	675.4	797.3	879.7	884.9	840.3
80°	124.1	126.3	140.4	159.7	198.4	270.5	377.5	552.8	735.6	858.9	887.9
82.5°	28.2	34.9	44.6	52.8	64.6	89.2	132.3	219.9	397.5	623.4	812.9
85°	10.4	10.4	14.1	20.8	23.8	26.7	34.9	55.7	95.1	175.4	365.6
87.5°	0.0	0.7	1.5	1.5	3.0	3.7	5.9	8.2	7.4	6.7	22.3
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8
2.5°	743.0	742.3	740.8	740.8	740.8	740.8	739.3	740.0	738.6	739.3	739.3
5°	742.3	742.3	741.5	740.0	740.8	740.8	741.5	740.0	740.0	740.8	740.0
7.5°	742.3	741.5	741.5	741.5	742.3	741.5	742.3	742.3	742.3	743.0	743.0
10°	742.3	742.3	743.8	744.5	744.5	745.2	747.5	747.5	748.2	749.0	750.4
12.5°	743.0	746.0	748.2	750.4	751.2	752.7	756.4	756.4	757.9	760.1	760.8
15°	743.8	748.2	752.7	754.2	755.6	758.6	762.3	763.8	766.0	768.3	769.8
17.5°	743.0	749.0	754.2	756.4	758.6	762.3	766.8	768.3	771.2	774.2	777.2
20°	742.3	750.4	758.6	761.6	764.6	769.8	775.7	779.4	782.4	786.9	789.8
22.5°	746.7	756.4	767.5	772.0	777.2	783.9	792.1	796.5	800.2	804.7	806.9
25°	760.8	768.3	781.6	789.1	795.8	806.9	818.1	823.3	827.7	831.4	832.2
27.5°	784.6	786.9	803.2	812.9	822.5	840.3	853.7	857.4	865.6	868.6	867.8
30°	823.3	819.5	832.9	847.8	861.9	886.4	902.8	912.4	919.8	919.8	913.9
32.5°	879.0	873.0	876.8	893.8	910.2	945.9	965.2	977.8	983.0	981.5	968.9
35°	951.8	948.1	945.9	959.2	985.2	1026.8	1052.1	1058.8	1067.0	1065.5	1049.1
37.5°	1038.0	1035.0	1035.0	1050.6	1075.9	1137.6	1165.0	1169.5	1168.8	1156.9	1126.4
40°	1139.8	1138.3	1131.6	1140.5	1162.1	1242.3	1279.5	1285.4	1277.2	1257.9	1222.3
42.5°	1286.2	1277.2	1256.4	1261.6	1278.0	1356.0	1404.3	1420.6	1412.5	1393.1	1335.2
45°	1477.1	1467.5	1432.5	1428.1	1437.0	1505.3	1567.8	1571.5	1570.0	1545.5	1477.1
47.5°	1701.5	1686.6	1649.5	1637.6	1634.6	1697.8	1758.0	1763.9	1760.2	1723.8	1632.4
50°	1944.5	1922.9	1898.4	1890.2	1878.3	1923.7	1984.6	1985.3	1970.5	1919.9	1834.5
52.5°	2203.8	2196.3	2191.9	2183.7	2178.5	2217.9	2255.0	2232.8	2210.5	2157.7	2083.4
55°	2465.3	2495.8	2527.0	2530.0	2538.9	2581.2	2580.5	2519.6	2503.2	2474.2	2400.7
57.5°	2743.2	2856.1	2954.2	2984.7	3014.4	3093.2	3085.7	3025.5	3004.7	2969.1	2908.2
60°	3121.4	3426.0	3709.1	3776.7	3823.5	3917.9	3909.0	3816.1	3859.2	3856.2	3777.5
62.5°	3651.2	4157.9	4582.2	4686.2	4718.9	4729.3	4672.8	4572.5	4614.9	4662.4	4420.2
65°	4010.0	4605.9	5041.3	5121.6	5126.0	5002.0	4876.4	4758.3	4747.9	4707.0	4360.7
66°	4018.2	4628.2	5065.1	5143.1	5115.6	4946.2	4787.2	4668.3	4617.1	4527.2	4168.3
67.5°	3874.1	4489.3	4959.6	5042.1	4981.9	4741.9	4522.7	4369.7	4269.4	4123.7	3807.2
70°	3253.7	3863.7	4443.2	4597.0	4616.3	4258.2	3954.3	3774.5	3639.3	3439.4	3166.7
72.5°	2419.2	2970.6	3481.8	3628.9	3703.9	3417.9	3161.5	3024.8	2839.8	2629.5	2435.6
75°	1516.5	1905.8	2248.4	2351.6	2281.0	2059.6	1905.8	1848.6	1666.6	1541.0	1452.6
77.5°	867.1	989.0	1016.4	977.1	893.8	684.3	486.7	360.4	312.8	346.2	381.9
80°	846.3	775.7	618.2	543.9	492.6	338.8	199.1	136.7	113.7	116.7	126.3
82.5°	916.9	983.7	809.9	660.5	554.3	374.5	206.6	110.0	74.3	87.7	98.8
85°	595.9	829.2	746.7	629.3	509.7	320.2	170.1	57.2	37.9	49.8	68.4
87.5°	60.2	66.1	56.5	76.5	57.2	26.7	13.4	8.2	7.4	8.9	13.4
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°	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8	740.8
2.5°	740.0	740.0	740.8	741.5	742.3	743.0	743.0	743.0	743.0	744.5	743.8
5°	741.5	743.0	744.5	745.2	746.7	746.7	749.0	748.2	748.2	750.4	751.2
7.5°	744.5	746.7	749.7	749.0	751.9	751.2	752.7	752.7	750.4	751.2	749.7
10°	751.2	754.2	755.6	753.4	754.2	751.2	750.4	746.7	742.3	740.0	737.1
12.5°	762.3	765.3	765.3	761.6	757.1	750.4	745.2	737.1	730.4	726.7	723.0
15°	772.0	775.0	774.2	768.3	761.6	751.2	743.8	734.1	724.4	718.5	714.8
17.5°	779.4	780.9	778.7	770.5	763.1	753.4	746.0	735.6	724.4	717.0	710.3
20°	790.6	789.1	783.9	773.5	765.3	756.4	750.4	741.5	728.9	719.2	709.6
22.5°	806.9	801.0	791.3	780.2	772.0	763.8	757.9	748.2	735.6	723.7	712.5
25°	828.5	816.6	803.2	791.3	783.9	775.0	768.3	757.9	744.5	731.1	717.8
27.5°	859.7	838.9	821.8	811.4	803.2	792.1	783.9	770.5	756.4	740.8	725.9
30°	894.6	866.4	850.0	841.8	832.9	821.0	808.4	791.3	775.0	757.9	740.0
32.5°	939.9	905.7	890.1	882.0	870.1	855.2	840.3	821.0	798.0	775.7	754.2
35°	999.4	964.4	948.1	935.5	919.1	899.8	878.2	852.2	821.0	791.3	763.8
37.5°	1063.3	1025.4	1009.8	996.4	971.9	946.6	916.1	878.2	835.9	796.5	762.3
40°	1144.2	1109.3	1089.3	1066.2	1037.2	993.4	945.9	890.9	836.6	788.3	748.2
42.5°	1246.8	1211.9	1182.1	1145.7	1095.2	1027.6	960.0	888.6	823.3	768.3	725.2
45°	1382.7	1340.4	1289.1	1225.2	1143.5	1049.1	960.7	874.5	798.0	737.1	691.0
47.5°	1549.2	1484.5	1400.6	1292.8	1175.4	1055.1	948.8	846.3	758.6	692.5	641.2
50°	1746.8	1645.0	1506.8	1348.6	1191.8	1046.2	919.1	803.9	702.9	632.3	571.4
52.5°	1972.7	1806.3	1602.7	1388.7	1191.0	1016.4	868.6	740.0	630.1	551.3	493.4
55°	2238.0	1990.5	1701.5	1418.4	1170.2	961.5	791.3	650.1	540.2	467.4	413.9
57.5°	2626.6	2289.2	1873.9	1464.5	1128.6	876.8	686.5	542.4	445.8	376.7	331.4
60°	3336.9	2787.8	2184.5	1557.4	1064.7	752.7	563.9	427.2	346.2	290.5	260.1
62.5°	3871.8	3173.4	2352.4	1536.6	936.2	599.6	418.3	311.3	254.9	217.0	197.6
65°	3795.3	3053.8	2173.3	1323.3	734.1	422.8	277.9	211.8	175.4	157.5	146.4
66°	3622.2	2897.8	2018.0	1191.0	634.5	351.4	228.8	177.6	150.8	138.2	130.8
67.5°	3293.8	2608.0	1740.1	976.3	487.4	254.9	172.4	140.4	122.6	117.4	112.2
70°	2738.0	2079.7	1221.5	568.4	248.9	141.9	109.2	98.1	93.6	92.9	91.4
72.5°	2098.3	1471.9	719.2	269.0	129.3	94.4	84.7	81.0	79.5	79.5	80.2
75°	1286.2	827.0	318.0	131.5	90.6	79.5	75.0	73.6	72.8	73.6	72.8
77.5°	429.5	263.0	136.0	99.6	82.5	73.6	70.6	69.1	69.1	69.1	69.1
80°	131.5	114.4	104.0	92.1	78.0	69.8	65.4	64.6	65.4	66.1	63.9
82.5°	98.8	93.6	87.7	81.7	70.6	62.4	60.9	60.9	60.9	58.7	55.7
85°	72.8	72.1	59.4	55.7	52.0	52.0	52.0	52.0	49.8	46.1	43.1
87.5°	13.4	12.6	13.4	14.1	20.8	22.3	22.3	23.8	26.0	24.5	24.5
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):**

	160°	165°	170°	175°	180°
0°	740.8	740.8	740.8	740.8	740.8
2.5°	743.8	743.0	745.2	743.8	744.5
5°	750.4	749.7	751.2	749.7	751.9
7.5°	748.2	746.7	746.0	746.7	747.5
10°	732.6	731.1	730.4	729.6	730.4
12.5°	719.2	716.3	716.3	714.8	715.5
15°	709.6	707.3	706.6	705.1	705.9
17.5°	705.1	701.4	699.9	698.4	698.4
20°	702.1	697.7	695.5	694.0	693.2
22.5°	702.1	695.5	692.5	691.0	690.3
25°	705.1	696.9	692.5	690.3	689.5
27.5°	711.1	700.7	695.5	692.5	692.5
30°	721.5	708.1	700.7	696.9	696.2
32.5°	731.9	714.0	703.6	699.2	697.7
35°	737.1	714.0	701.4	694.0	692.5
37.5°	731.1	704.4	688.8	677.6	675.4
40°	712.5	684.3	667.2	656.8	655.3
42.5°	688.0	660.5	640.5	633.0	630.8
45°	654.6	621.9	601.8	591.4	592.2
47.5°	597.4	563.9	546.1	536.5	537.9
50°	529.8	497.1	481.5	471.1	473.3
52.5°	455.5	425.7	410.9	405.7	404.2
55°	377.5	354.4	344.0	338.1	335.8
57.5°	306.1	289.8	282.3	274.9	275.7
60°	241.5	233.3	231.1	222.9	222.2
62.5°	190.2	185.0	182.8	176.8	177.6
65°	144.1	142.7	144.1	140.4	141.9
66°	130.0	130.8	130.8	128.5	130.0
67.5°	112.2	113.7	115.9	113.7	115.2
70°	92.9	94.4	95.8	95.8	95.8
72.5°	81.0	82.5	83.2	83.2	83.2
75°	74.3	75.0	75.8	74.3	74.3
77.5°	69.8	69.8	68.4	67.6	66.9
80°	63.2	62.4	60.2	58.7	58.7
82.5°	52.8	51.3	49.8	47.6	47.6
85°	40.1	38.6	37.2	34.2	32.7
87.5°	20.8	21.5	20.8	17.1	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)