

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: P181442

Luminaire Tested: **ICM-F03-LED-E1-T3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181442  
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-F03-LED-E1-T3-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5996.3 lumens  
Efficiency: N/A  
Efficacy: 76.6 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

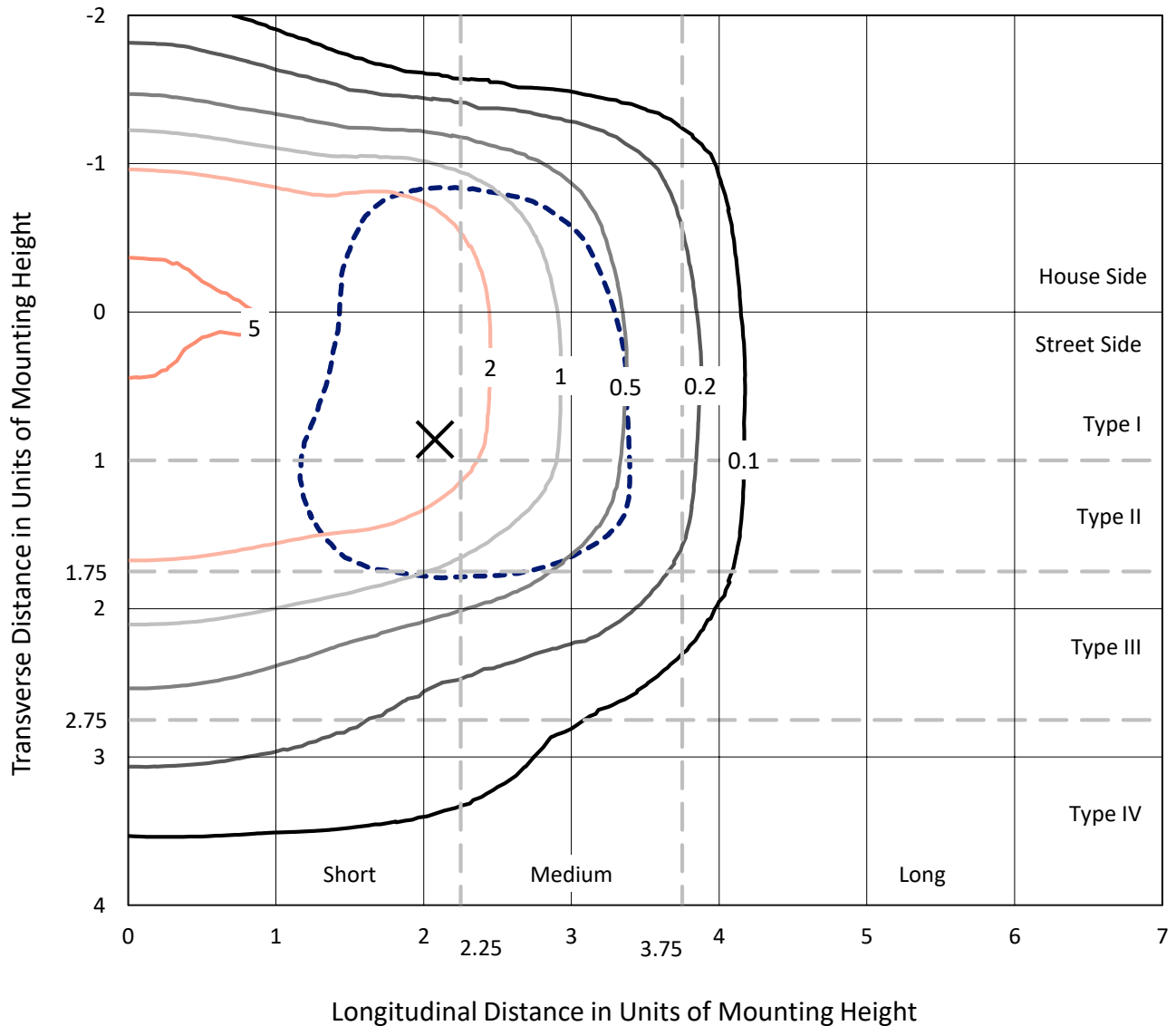


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

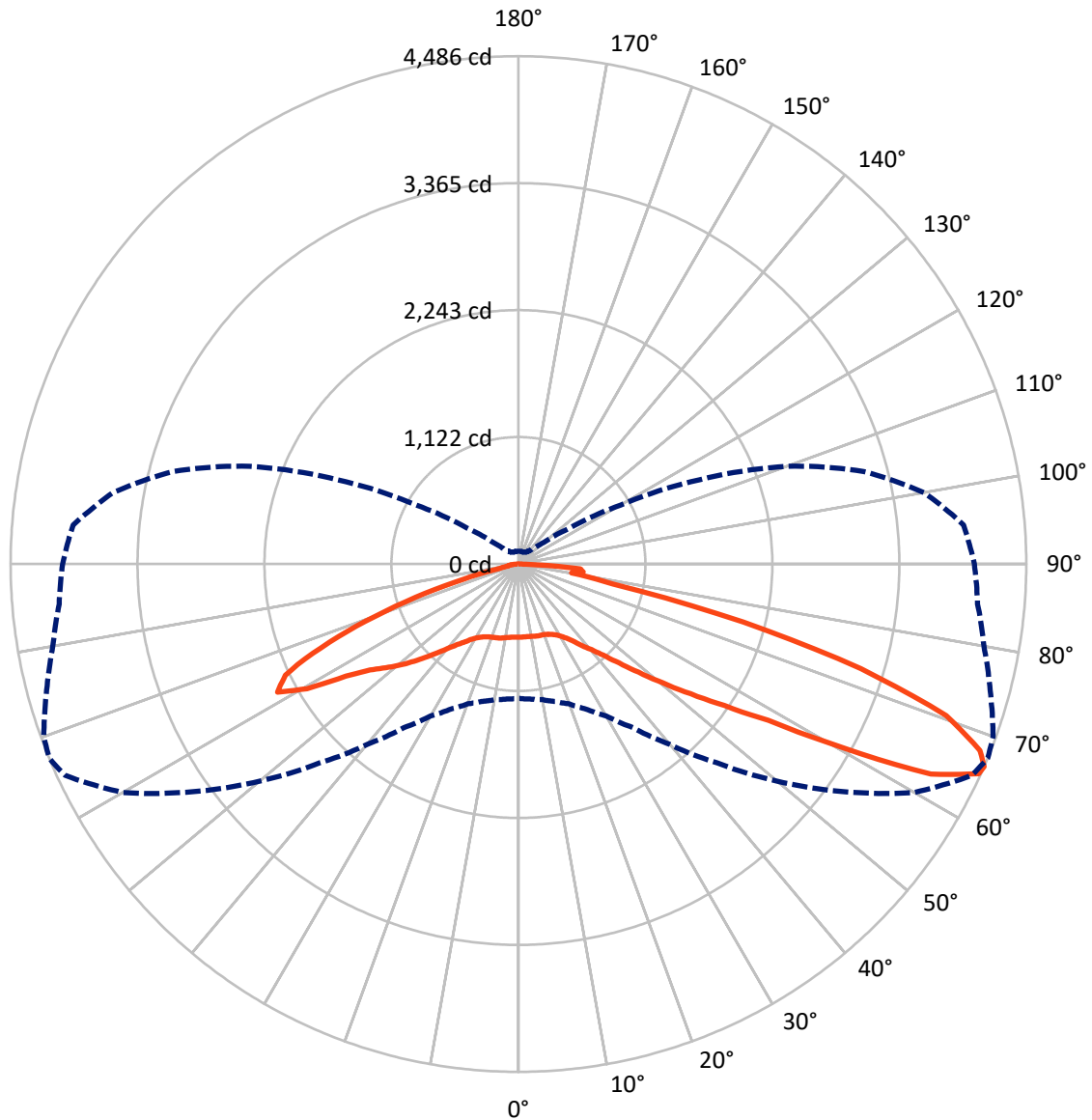


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type III - Short - Semi-Cutoff

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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	2070.7	0.0	2070.7
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	3925.6	0.0	3925.6
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	5996.3	0.0	5996.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	1.0
10°-20°	182.7	3.0
20°-30°	313.9	5.2
30°-40°	509.7	8.5
40°-50°	851.0	14.2
50°-60°	1340.0	22.3
60°-70°	1827.2	30.5
70°-80°	791.0	13.2
80°-90°	118.9	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°	5996.3	100.0
0°-180°	5996.3	100.0



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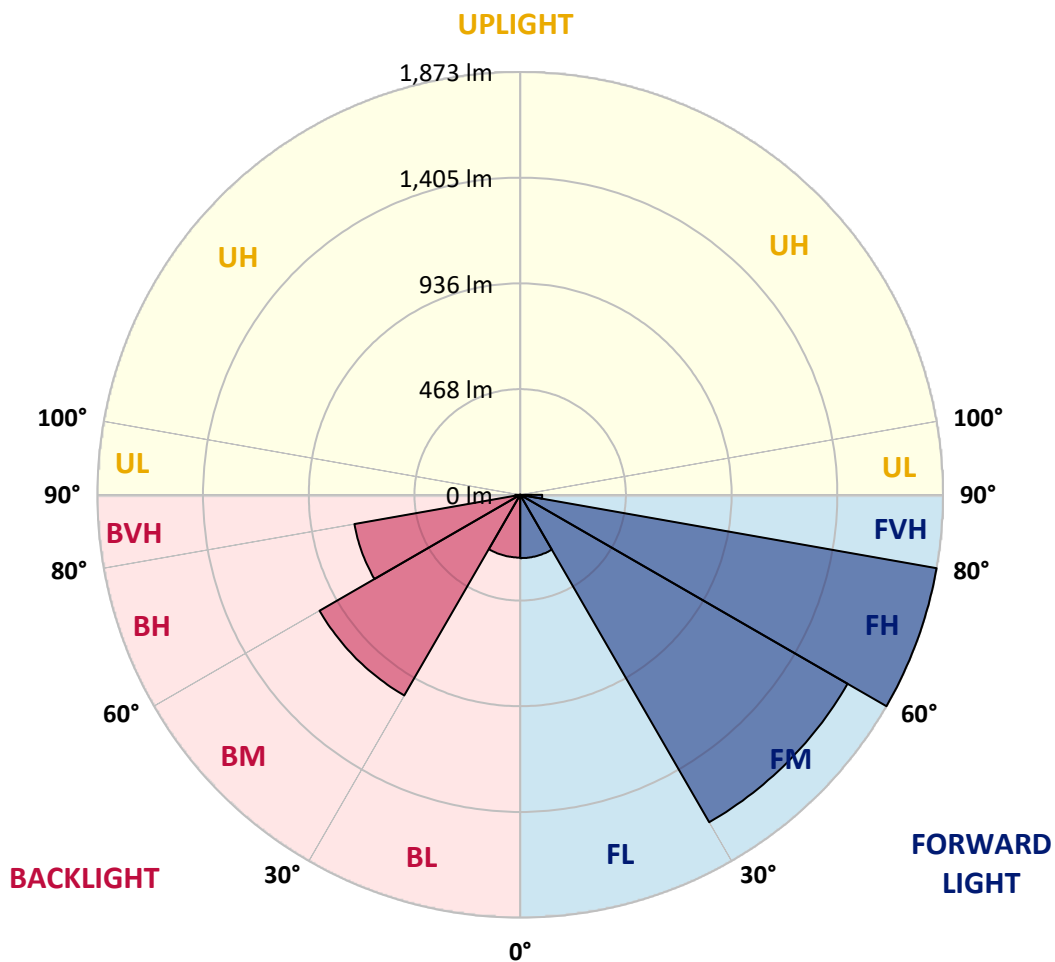
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.5	4.7			
FM	(30°-60°)	1674.6	27.9			
FH	(60°-80°)	1872.9	31.2			G2/5000
FVH	(80°-90°)	97.7	1.6			G1/100
BL	(0°-30°)	278.0	4.6	B1/500		
BM	(30°-60°)	1026.1	17.1	B2/2500		
BH	(60°-80°)	745.4	12.4	B2/1000		G2/1000
BVH	(80°-90°)	21.3	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°	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1
2.5°	648.7	651.4	648.7	649.4	650.1	649.4	648.7	648.7	646.8	648.1	649.4
5°	646.1	648.1	647.4	648.1	648.7	648.1	647.4	648.1	646.8	647.4	649.4
7.5°	643.0	642.3	643.0	644.3	645.5	645.5	645.5	646.1	645.5	645.5	647.4
10°	633.2	633.9	635.2	637.1	637.8	639.7	639.7	641.7	642.3	643.6	646.1
12.5°	620.9	621.6	622.9	624.2	627.4	630.6	630.6	635.2	637.1	640.4	644.9
15°	611.8	612.5	613.8	615.1	617.7	620.9	622.9	628.0	631.3	637.1	643.6
17.5°	617.0	616.4	617.7	618.3	618.3	620.9	620.9	624.8	628.7	633.9	642.3
20°	631.9	631.9	633.2	633.2	632.6	633.9	631.3	631.3	631.9	634.5	640.4
22.5°	646.8	646.1	648.7	650.1	650.7	652.7	650.1	649.4	646.1	644.3	646.1
25°	661.1	660.5	663.7	665.6	668.8	670.8	670.8	670.8	668.2	665.0	663.1
27.5°	683.2	683.2	686.3	688.3	690.9	694.8	696.7	696.7	697.4	692.8	689.6
30°	720.1	720.7	721.4	724.0	726.5	727.8	730.4	732.4	734.3	731.7	726.5
32.5°	764.2	760.3	760.3	764.2	767.4	771.3	772.6	775.2	779.1	777.1	776.5
35°	816.7	815.4	814.1	815.4	819.3	823.8	828.9	833.5	830.9	834.8	832.8
37.5°	894.4	895.7	896.4	896.4	895.7	897.0	899.6	904.1	902.9	904.1	906.7
40°	1022.7	1018.2	1013.7	1014.3	1007.8	1009.1	998.8	1003.3	1003.9	999.4	1001.4
42.5°	1151.1	1153.7	1155.6	1160.8	1156.3	1153.7	1143.9	1143.9	1138.8	1134.2	1132.9
45°	1289.8	1295.0	1295.6	1306.0	1302.1	1310.5	1317.7	1315.7	1307.3	1306.6	1297.6
47.5°	1400.6	1409.0	1418.1	1430.4	1440.1	1459.0	1480.9	1492.0	1498.5	1503.6	1493.3
50°	1483.5	1487.5	1510.8	1530.2	1551.6	1582.7	1613.2	1652.8	1684.5	1699.4	1713.7
52.5°	1528.3	1538.1	1563.3	1593.8	1631.4	1678.0	1727.3	1790.2	1844.6	1880.8	1913.3
55°	1538.1	1547.7	1576.3	1615.2	1666.3	1729.2	1799.8	1885.4	1967.1	2037.0	2105.1
57.5°	1510.8	1521.8	1552.3	1597.0	1657.3	1733.8	1822.5	1934.7	2047.5	2160.9	2261.3
60°	1460.8	1474.5	1502.3	1546.4	1613.2	1699.4	1805.7	1946.3	2104.5	2278.2	2470.7
62.5°	1378.6	1392.8	1418.8	1467.4	1536.1	1631.4	1754.5	1929.5	2153.1	2426.6	2768.2
65°	1246.3	1252.8	1284.6	1333.9	1394.8	1499.7	1635.3	1846.5	2137.5	2518.0	2988.5
66°	1186.7	1197.8	1217.2	1256.8	1315.1	1413.6	1549.7	1764.2	2078.5	2486.2	2982.7
67.5°	1093.4	1101.9	1114.8	1141.4	1177.0	1249.6	1378.6	1581.4	1898.3	2325.5	2858.9
70°	884.0	887.9	905.4	914.5	926.8	950.8	997.5	1114.1	1361.0	1762.2	2307.4
72.5°	602.8	613.8	632.6	658.5	692.2	724.7	746.6	761.6	814.7	1051.3	1537.4
75°	442.0	453.7	477.7	512.0	571.0	638.4	708.4	740.8	718.8	688.3	856.2
77.5°	256.7	272.2	292.3	325.4	379.8	469.2	589.1	695.4	767.4	771.9	733.0
80°	108.3	110.1	122.5	139.3	173.0	235.9	329.2	482.2	641.7	749.2	774.5
82.5°	24.7	30.4	38.9	46.0	56.4	77.8	115.3	191.8	346.8	543.8	709.0
85°	9.1	9.1	12.3	18.1	20.7	23.3	30.4	48.7	83.0	152.9	318.9
87.5°	0.0	0.7	1.3	1.3	2.6	3.3	5.2	7.2	6.5	5.9	19.4
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1
2.5°	648.1	647.4	646.1	646.1	646.1	646.1	644.9	645.5	644.3	644.9	644.9
5°	647.4	647.4	646.8	645.5	646.1	646.1	646.8	645.5	645.5	646.1	645.5
7.5°	647.4	646.8	646.8	646.8	647.4	646.8	647.4	647.4	647.4	648.1	648.1
10°	647.4	647.4	648.7	649.4	649.4	650.1	652.0	652.0	652.7	653.3	654.6
12.5°	648.1	650.7	652.7	654.6	655.3	656.6	659.8	659.8	661.1	663.1	663.7
15°	648.7	652.7	656.6	657.9	659.2	661.8	665.0	666.2	668.2	670.1	671.4
17.5°	648.1	653.3	657.9	659.8	661.8	665.0	668.8	670.1	672.7	675.4	678.0
20°	647.4	654.6	661.8	664.4	666.9	671.4	676.7	679.9	682.5	686.3	688.9
22.5°	651.4	659.8	669.5	673.4	678.0	683.8	690.9	694.8	698.1	702.0	703.9
25°	663.7	670.1	681.9	688.3	694.1	703.9	713.6	718.1	722.1	725.2	725.9
27.5°	684.5	686.3	700.7	709.0	717.5	733.0	744.7	747.9	755.1	757.7	757.0
30°	718.1	714.9	726.5	739.5	751.8	773.2	787.4	795.9	802.4	802.4	797.2
32.5°	766.7	761.6	764.7	779.7	794.0	825.0	842.0	852.9	857.5	856.2	845.1
35°	830.2	827.0	825.0	836.7	859.4	895.7	917.8	923.5	930.7	929.4	915.2
37.5°	905.4	902.9	902.9	916.5	938.5	992.3	1016.3	1020.2	1019.5	1009.1	982.6
40°	994.2	992.9	987.1	994.9	1013.7	1083.6	1116.1	1121.3	1114.1	1097.3	1066.1
42.5°	1121.9	1114.1	1096.0	1100.6	1114.8	1182.8	1224.9	1239.3	1232.1	1215.3	1164.7
45°	1288.5	1280.1	1249.6	1245.7	1253.5	1313.1	1367.5	1370.8	1369.5	1348.1	1288.5
47.5°	1484.2	1471.3	1438.9	1428.5	1425.9	1480.9	1533.5	1538.7	1535.5	1503.6	1423.9
50°	1696.2	1677.4	1656.0	1648.8	1638.4	1678.0	1731.2	1731.8	1718.8	1674.8	1600.2
52.5°	1922.3	1915.9	1912.0	1904.8	1900.3	1934.7	1967.1	1947.6	1928.2	1882.2	1817.3
55°	2150.5	2177.0	2204.3	2206.9	2214.6	2251.6	2251.0	2197.8	2183.5	2158.2	2094.2
57.5°	2392.9	2491.5	2576.9	2603.6	2629.5	2698.2	2691.6	2639.2	2621.0	2590.0	2536.8
60°	2722.8	2988.5	3235.5	3294.4	3335.3	3417.6	3409.8	3328.8	3366.3	3363.8	3295.1
62.5°	3184.9	3626.9	3997.0	4087.7	4116.3	4125.3	4076.1	3988.6	4025.5	4067.0	3855.7
65°	3498.0	4017.8	4397.6	4467.6	4471.5	4363.2	4253.7	4150.6	4141.5	4105.9	3803.8
66°	3505.0	4037.2	4418.3	4486.4	4462.4	4314.6	4175.9	4072.2	4027.5	3949.0	3636.0
67.5°	3379.4	3916.0	4326.3	4398.2	4345.7	4136.4	3945.1	3811.7	3724.1	3597.1	3321.0
70°	2838.2	3370.3	3875.8	4010.0	4026.8	3714.4	3449.3	3292.5	3174.5	3000.2	2762.3
72.5°	2110.3	2591.2	3037.1	3165.5	3230.9	2981.4	2757.8	2638.5	2477.1	2293.7	2124.6
75°	1322.8	1662.4	1961.2	2051.4	1989.8	1796.7	1662.4	1612.6	1453.8	1344.2	1267.1
77.5°	756.4	862.7	886.6	852.3	779.7	596.9	424.6	314.3	272.8	302.0	333.1
80°	738.2	676.7	539.3	474.4	429.7	295.5	173.7	119.3	99.2	101.8	110.1
82.5°	799.8	858.1	706.4	576.2	483.5	326.7	180.2	95.9	64.8	76.5	86.2
85°	519.8	723.4	651.4	548.9	444.7	279.4	148.5	49.9	33.0	43.4	59.6
87.5°	52.5	57.7	49.3	66.8	49.9	23.3	11.6	7.2	6.5	7.8	11.6
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1	646.1
2.5°	645.5	645.5	646.1	646.8	647.4	648.1	648.1	648.1	648.1	649.4	648.7
5°	646.8	648.1	649.4	650.1	651.4	651.4	653.3	652.7	652.7	654.6	655.3
7.5°	649.4	651.4	654.0	653.3	655.9	655.3	656.6	656.6	654.6	655.3	654.0
10°	655.3	657.9	659.2	657.2	657.9	655.3	654.6	651.4	647.4	645.5	643.0
12.5°	665.0	667.5	667.5	664.4	660.5	654.6	650.1	643.0	637.1	633.9	630.6
15°	673.4	676.0	675.4	670.1	664.4	655.3	648.7	640.4	631.9	626.7	623.5
17.5°	679.9	681.2	679.3	672.1	665.6	657.2	650.7	641.7	631.9	625.4	619.6
20°	689.6	688.3	683.8	674.7	667.5	659.8	654.6	646.8	635.8	627.4	619.0
22.5°	703.9	698.7	690.2	680.6	673.4	666.2	661.1	652.7	641.7	631.3	621.6
25°	722.7	712.3	700.7	690.2	683.8	676.0	670.1	661.1	649.4	637.8	626.1
27.5°	749.9	731.7	716.8	707.7	700.7	690.9	683.8	672.1	659.8	646.1	633.2
30°	780.4	755.7	741.5	734.3	726.5	716.2	705.1	690.2	676.0	661.1	645.5
32.5°	819.9	790.1	776.5	769.3	759.0	746.0	733.0	716.2	696.1	676.7	657.9
35°	871.7	841.3	827.0	816.0	801.8	784.8	766.1	743.4	716.2	690.2	666.2
37.5°	927.4	894.4	880.8	869.1	847.7	825.7	799.2	766.1	729.1	694.8	665.0
40°	998.1	967.6	950.1	930.1	904.7	866.5	825.0	777.1	729.8	687.6	652.7
42.5°	1087.5	1057.1	1031.2	999.4	955.4	896.4	837.4	775.2	718.1	670.1	632.6
45°	1206.1	1169.2	1124.5	1068.8	997.5	915.2	838.1	762.9	696.1	643.0	602.8
47.5°	1351.4	1295.0	1221.7	1127.7	1025.3	920.4	827.6	738.2	661.8	604.1	559.4
50°	1523.7	1435.0	1314.4	1176.4	1039.6	912.6	801.8	701.3	613.1	551.5	498.4
52.5°	1720.8	1575.6	1398.1	1211.4	1039.0	886.6	757.7	645.5	549.6	480.9	430.3
55°	1952.2	1736.4	1484.2	1237.3	1020.8	838.7	690.2	567.1	471.2	407.6	361.0
57.5°	2291.2	1996.8	1634.6	1277.5	984.5	764.7	598.9	473.1	388.8	328.6	289.0
60°	2910.7	2431.8	1905.5	1358.5	928.7	656.6	491.9	372.7	302.0	253.4	226.9
62.5°	3377.4	2768.2	2052.0	1340.3	816.7	523.1	364.9	271.5	222.3	189.2	172.4
65°	3310.6	2663.8	1895.8	1154.3	640.4	368.7	242.4	184.7	152.9	137.4	127.7
66°	3159.6	2527.7	1760.3	1039.0	553.5	306.6	199.6	154.9	131.5	120.6	114.0
67.5°	2873.1	2274.9	1518.0	851.6	425.2	222.3	150.3	122.5	107.0	102.4	97.9
70°	2388.4	1814.2	1065.5	495.8	217.1	123.8	95.3	85.6	81.7	81.0	79.7
72.5°	1830.3	1283.9	627.4	234.6	112.7	82.3	73.9	70.6	69.4	69.4	70.0
75°	1121.9	721.4	277.4	114.7	79.1	69.4	65.5	64.2	63.5	64.2	63.5
77.5°	374.6	229.4	118.6	86.9	71.9	64.2	61.6	60.3	60.3	60.3	60.3
80°	114.7	99.8	90.7	80.4	68.1	60.9	57.0	56.4	57.0	57.7	55.7
82.5°	86.2	81.7	76.5	71.3	61.6	54.4	53.1	53.1	53.1	51.2	48.7
85°	63.5	62.9	51.8	48.7	45.4	45.4	45.4	45.4	43.4	40.2	37.6
87.5°	11.6	11.0	11.6	12.3	18.1	19.4	19.4	20.7	22.7	21.4	21.4
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):**

	160°	165°	170°	175°	180°
0°	646.1	646.1	646.1	646.1	646.1
2.5°	648.7	648.1	650.1	648.7	649.4
5°	654.6	654.0	655.3	654.0	655.9
7.5°	652.7	651.4	650.7	651.4	652.0
10°	639.1	637.8	637.1	636.5	637.1
12.5°	627.4	624.8	624.8	623.5	624.2
15°	619.0	617.0	616.4	615.1	615.7
17.5°	615.1	611.8	610.5	609.2	609.2
20°	612.5	608.6	606.6	605.4	604.7
22.5°	612.5	606.6	604.1	602.8	602.1
25°	615.1	607.9	604.1	602.1	601.5
27.5°	620.3	611.2	606.6	604.1	604.1
30°	629.3	617.7	611.2	607.9	607.3
32.5°	638.4	622.9	613.8	609.9	608.6
35°	643.0	622.9	611.8	605.4	604.1
37.5°	637.8	614.4	600.8	591.1	589.1
40°	621.6	596.9	582.1	572.9	571.6
42.5°	600.2	576.2	558.7	552.2	550.2
45°	571.0	542.5	525.0	515.9	516.6
47.5°	521.1	491.9	476.4	467.9	469.2
50°	462.1	433.6	420.0	410.9	412.8
52.5°	397.3	371.4	358.4	353.9	352.6
55°	329.2	309.1	300.1	294.9	292.9
57.5°	267.1	252.7	246.3	239.8	240.5
60°	210.6	203.5	201.6	194.4	193.8
62.5°	166.0	161.4	159.4	154.2	154.9
65°	125.8	124.5	125.8	122.5	123.8
66°	113.4	114.0	114.0	112.1	113.4
67.5°	97.9	99.2	101.1	99.2	100.5
70°	81.0	82.3	83.6	83.6	83.6
72.5°	70.6	71.9	72.6	72.6	72.6
75°	64.8	65.5	66.1	64.8	64.8
77.5°	60.9	60.9	59.6	59.0	58.3
80°	55.1	54.4	52.5	51.2	51.2
82.5°	46.0	44.7	43.4	41.5	41.5
85°	35.0	33.7	32.4	29.8	28.6
87.5°	18.1	18.8	18.1	14.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)