

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: P180673

Luminaire Tested: **ICM-F02-LED-E1-SL3**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180673  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F02-LED-E1-SL3  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (14) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4663.2 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

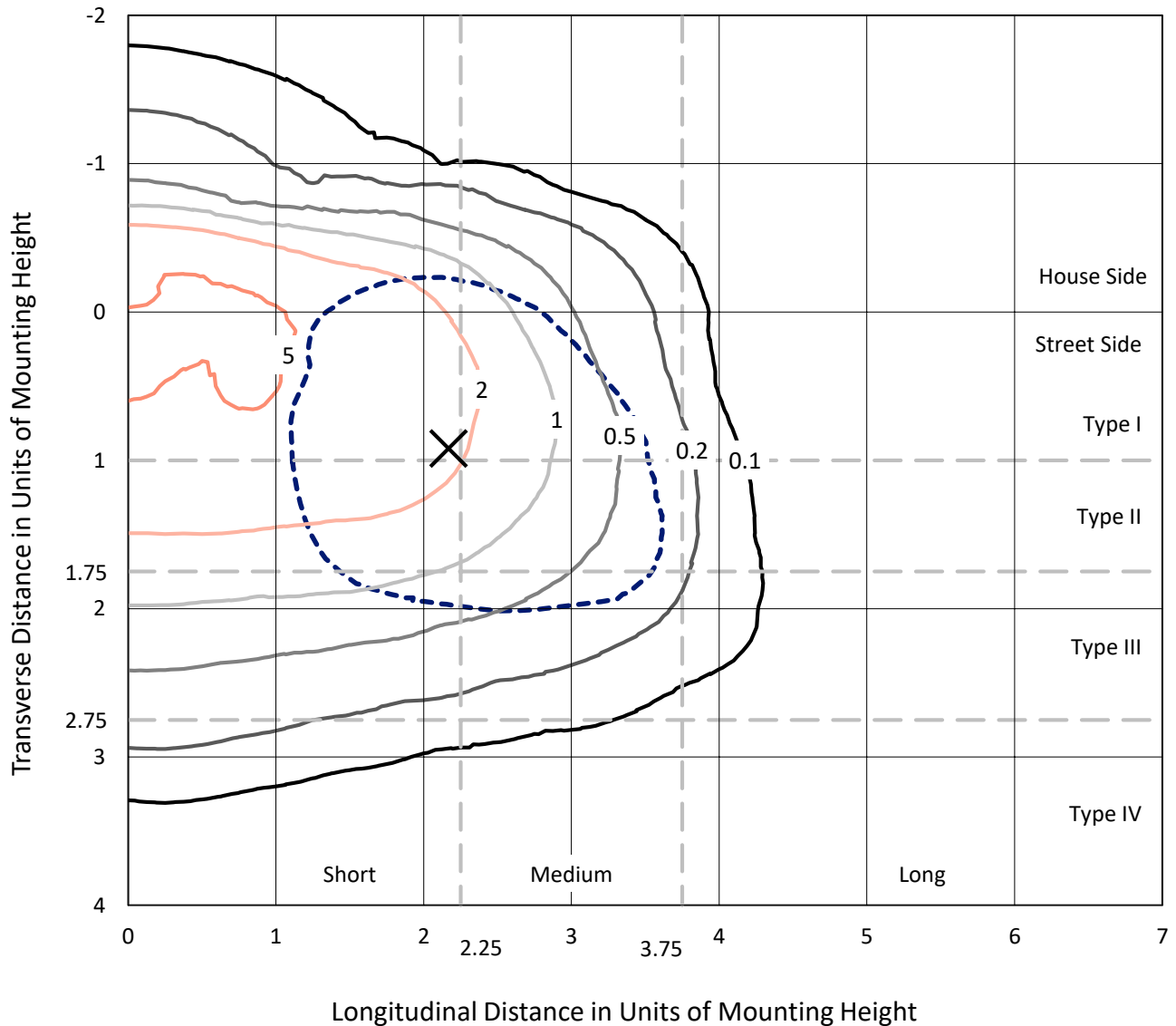
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

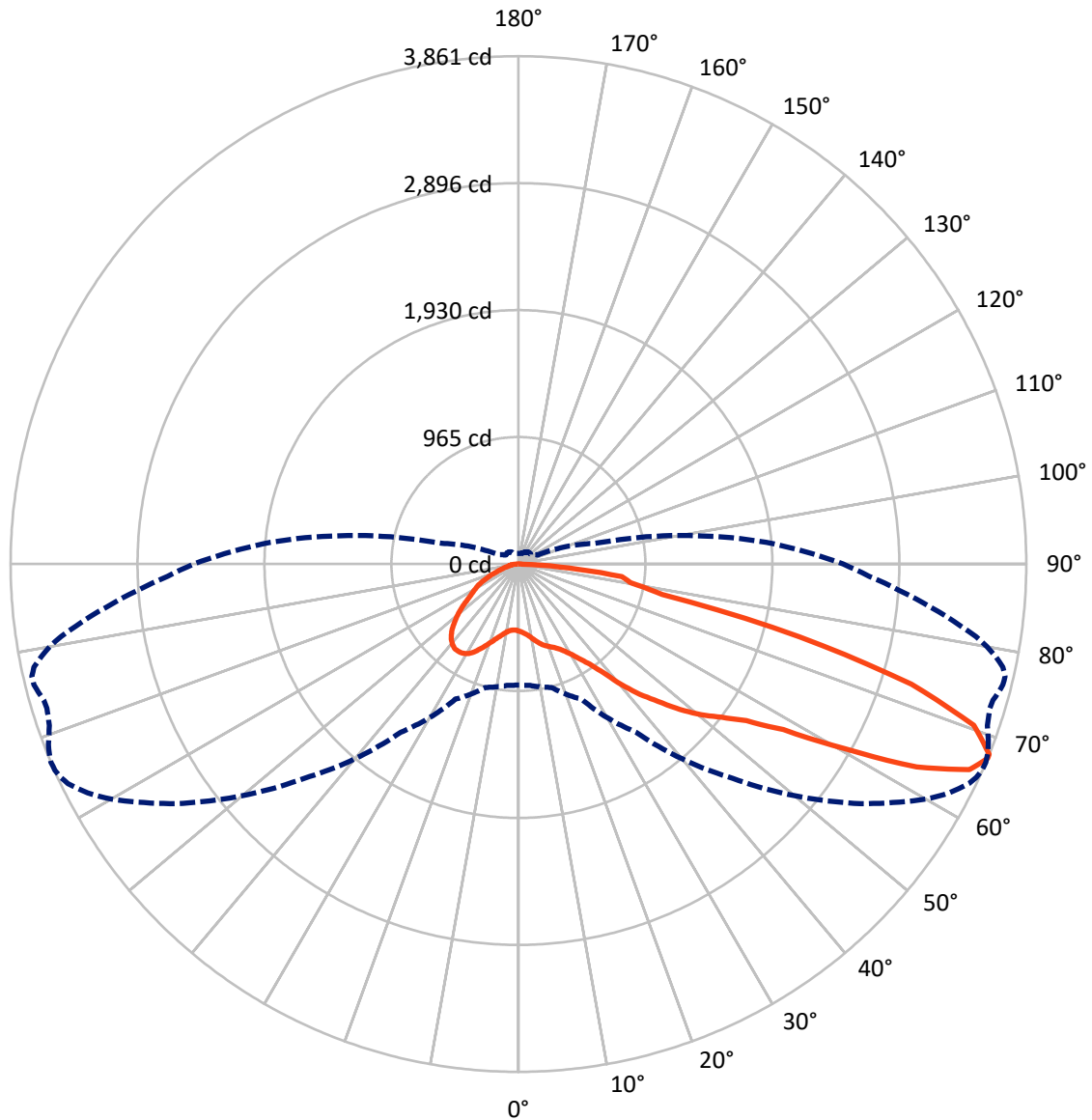
✕ Max cd  
 - - - 1/2 Max cd



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-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1076.1	0.0	1076.1
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	3587.1	0.0	3587.1
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	4663.2	0.0	4663.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.7	1.1
10°-20°	173.9	3.7
20°-30°	307.1	6.6
30°-40°	440.8	9.5
40°-50°	669.4	14.4
50°-60°	985.6	21.1
60°-70°	1309.8	28.1
70°-80°	640.8	13.7
80°-90°	85.1	1.8
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°	4663.2	100.0
0°-180°	4663.2	100.0



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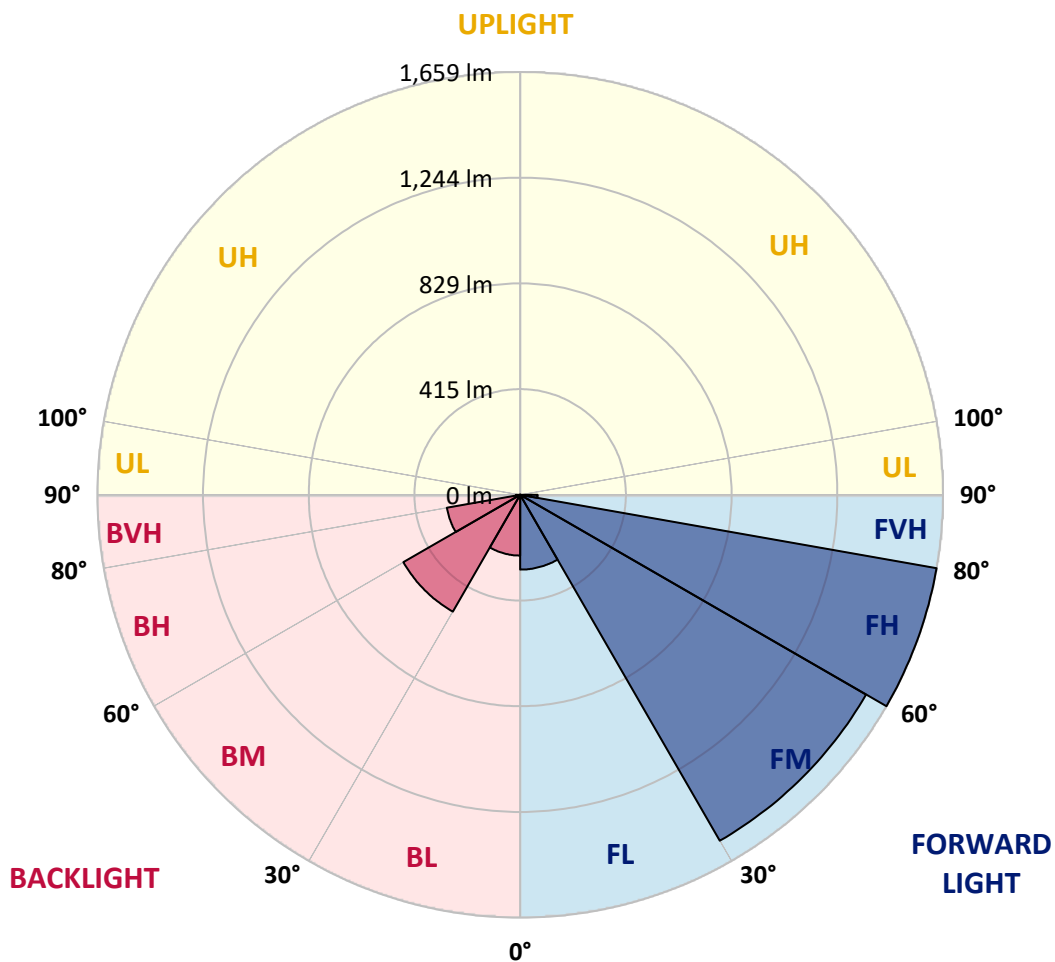
CATALOG NUMBER: ICM-F02-LED-E1-SL3

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.4	6.3			
FM	(30°-60°)	1566.7	33.6			
FH	(60°-80°)	1658.6	35.6			G1/1800
FVH	(80°-90°)	68.3	1.5			G1/100
BL	(0°-30°)	238.3	5.1	B1/500		
BM	(30°-60°)	529.0	11.3	B1/1000		
BH	(60°-80°)	292.0	6.3	B1/500		G1/500
BVH	(80°-90°)	16.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	533.5	534.0	532.9	532.5	529.4	526.3	524.3	521.7	521.7	521.7	520.7
5°	563.6	561.6	563.2	559.5	553.4	547.8	542.1	537.6	536.6	536.6	534.5
7.5°	600.0	597.5	596.5	591.4	582.1	573.9	562.6	558.0	555.4	554.4	553.4
10°	644.0	644.0	637.4	628.7	616.4	602.1	589.8	581.6	581.0	581.0	576.5
12.5°	689.1	690.1	681.4	672.7	652.7	633.8	619.4	610.2	609.8	607.7	605.1
15°	730.5	728.0	722.3	709.6	687.5	665.0	647.1	637.9	635.8	633.8	632.3
17.5°	764.8	762.3	755.2	738.8	715.7	689.1	667.1	657.3	656.3	655.3	653.2
20°	786.3	784.3	774.1	755.2	731.1	703.9	680.4	673.8	671.7	671.7	670.7
22.5°	798.6	795.5	780.7	755.6	732.1	712.1	692.7	688.6	687.1	687.5	687.5
25°	804.8	802.2	781.2	745.4	722.9	717.2	709.0	706.5	707.0	707.5	708.6
27.5°	805.9	802.2	777.7	732.1	711.1	727.0	732.7	736.7	736.7	738.8	742.3
30°	798.1	794.1	770.5	721.9	706.0	746.4	768.9	779.7	783.8	782.8	791.0
32.5°	784.8	782.2	763.4	721.9	720.3	784.8	824.7	840.1	842.1	843.2	852.4
35°	780.2	779.7	771.5	746.4	764.8	852.4	913.3	925.1	927.6	927.6	934.3
37.5°	779.2	781.8	791.0	792.5	843.2	952.8	1032.7	1050.5	1050.5	1055.6	1055.6
40°	779.2	784.8	819.6	861.1	938.9	1083.3	1193.9	1214.3	1214.3	1220.0	1216.9
42.5°	809.4	817.6	874.9	953.8	1059.7	1218.0	1344.9	1367.9	1369.5	1367.9	1372.6
45°	868.7	875.9	945.6	1058.7	1184.2	1362.3	1489.3	1516.9	1511.3	1514.9	1516.4
47.5°	947.6	958.9	1038.2	1173.4	1305.5	1495.9	1651.1	1676.1	1674.1	1675.6	1668.9
50°	1031.6	1043.4	1131.9	1287.1	1426.3	1603.5	1781.1	1818.4	1814.9	1817.4	1821.0
52.5°	1105.9	1113.0	1198.5	1372.6	1518.0	1703.8	1880.9	1927.5	1935.7	1936.8	1939.3
55°	1149.9	1158.5	1236.8	1415.1	1584.5	1802.1	1995.1	2065.8	2081.6	2085.7	2096.9
57.5°	1165.2	1174.4	1245.6	1421.2	1620.8	1894.2	2154.3	2278.7	2292.0	2314.1	2349.9
60°	1164.7	1174.4	1236.4	1407.4	1657.7	2008.4	2402.1	2610.4	2678.1	2700.6	2751.7
62.5°	1117.1	1128.4	1191.4	1365.4	1704.8	2154.3	2770.7	3091.2	3178.3	3219.2	3274.4
65°	1012.7	1020.8	1079.7	1258.9	1691.5	2298.2	3078.9	3478.7	3558.1	3618.0	3716.8
67°	920.0	925.1	971.2	1132.9	1561.5	2303.3	3176.2	3575.0	3644.1	3707.6	3809.5
67.5°	896.5	907.2	943.0	1094.5	1512.8	2274.2	3169.5	3560.1	3630.8	3696.9	3804.4
70°	729.5	744.9	762.8	864.7	1189.3	1913.2	2934.5	3303.2	3365.1	3426.5	3576.5
72.5°	450.0	477.7	481.2	545.8	774.1	1322.4	2374.4	2785.6	2832.1	2876.2	3029.8
75°	265.2	269.3	282.0	334.3	454.1	790.4	1593.2	2069.3	2112.3	2133.9	2254.2
77.5°	148.0	152.1	162.8	207.8	349.1	532.5	927.6	1215.9	1242.0	1269.1	1249.7
80°	61.4	67.1	72.2	84.0	163.3	420.3	637.9	773.0	790.0	805.9	825.8
82.5°	29.7	31.7	38.9	44.6	59.3	172.6	500.2	670.1	690.1	713.1	759.7
85°	13.9	15.3	21.5	25.6	28.7	43.5	167.4	326.1	353.8	358.9	368.1
87.5°	1.0	1.0	2.6	3.6	5.1	5.7	17.4	24.6	27.6	25.1	31.7
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	520.2	519.6	518.6	518.6	518.1	518.1	518.1	517.1	517.1	517.1	516.6
5°	534.0	533.5	531.9	531.9	530.9	530.9	529.4	528.8	527.8	527.8	527.4
7.5°	551.9	551.4	549.3	549.3	547.8	547.3	546.2	544.7	544.7	543.7	542.7
10°	576.5	574.9	574.4	571.8	572.4	571.4	570.3	568.7	567.7	566.7	565.7
12.5°	604.1	604.1	601.6	600.0	601.0	600.0	598.0	597.5	595.9	595.9	594.4
15°	630.2	630.2	629.2	627.2	627.6	626.1	625.6	624.6	622.5	623.1	622.5
17.5°	652.7	652.7	651.2	650.1	650.1	648.7	649.1	648.1	647.1	646.6	645.0
20°	670.7	670.7	669.7	668.7	669.1	669.1	667.6	667.6	667.6	666.6	666.6
22.5°	688.1	688.6	688.6	688.6	689.1	689.6	689.1	690.1	689.6	690.6	690.6
25°	711.1	712.7	713.7	713.7	716.2	716.7	717.2	718.8	718.8	720.3	720.8
27.5°	745.4	746.4	750.5	751.5	752.1	756.2	756.7	758.7	760.7	761.3	761.8
30°	792.5	795.1	798.1	800.2	800.2	805.3	807.4	806.3	812.0	813.5	815.5
32.5°	855.4	857.5	860.6	862.6	864.7	867.3	867.7	870.3	874.9	879.1	876.5
35°	934.8	939.9	934.8	940.5	942.0	945.6	944.6	947.6	949.7	951.3	950.7
37.5°	1050.1	1047.4	1046.4	1044.4	1040.8	1053.1	1047.0	1046.4	1043.4	1052.1	1046.4
40°	1201.6	1203.1	1204.7	1196.5	1191.8	1191.8	1190.3	1184.7	1182.1	1189.8	1188.8
42.5°	1359.7	1361.3	1354.1	1349.0	1337.2	1335.7	1328.6	1327.0	1324.5	1328.6	1324.5
45°	1503.6	1504.7	1488.8	1491.4	1482.1	1483.6	1472.4	1477.0	1470.9	1475.0	1482.6
47.5°	1664.4	1666.4	1652.6	1658.2	1649.0	1643.4	1642.9	1646.0	1639.3	1643.4	1645.4
50°	1810.2	1807.7	1800.6	1802.1	1798.0	1799.0	1792.8	1798.5	1790.8	1799.0	1798.0
52.5°	1939.8	1936.8	1935.2	1940.3	1936.8	1936.8	1933.1	1935.7	1936.8	1949.0	1951.5
55°	2096.9	2099.5	2102.1	2111.3	2115.4	2108.8	2115.4	2128.2	2128.8	2157.9	2173.8
57.5°	2349.4	2367.3	2376.5	2382.2	2406.2	2403.6	2419.0	2449.7	2452.8	2520.4	2559.7
60°	2789.7	2821.4	2851.6	2835.2	2883.8	2898.7	2907.9	2965.2	2983.2	3047.2	3081.5
62.5°	3345.6	3349.2	3396.3	3381.5	3409.1	3402.4	3413.7	3439.8	3463.4	3516.1	3548.4
65°	3733.7	3750.6	3769.0	3750.1	3749.6	3727.0	3712.7	3712.2	3726.5	3737.8	3773.6
67°	3839.2	3856.0	3860.7	3846.8	3826.9	3798.2	3771.6	3757.8	3748.6	3753.7	3776.2
67.5°	3838.2	3854.0	3859.7	3846.3	3818.7	3794.6	3766.4	3750.6	3738.3	3740.9	3759.8
70°	3620.0	3654.3	3672.8	3676.9	3673.3	3631.3	3607.3	3593.0	3582.6	3557.6	3556.0
72.5°	3067.1	3108.6	3122.9	3146.0	3156.2	3094.3	3068.1	3084.0	3048.2	2968.9	2972.4
75°	2252.1	2255.2	2207.1	2197.9	2163.5	2023.3	1981.3	1942.9	1881.4	1785.7	1695.6
77.5°	1174.0	1173.4	1118.1	1090.0	1049.0	964.6	960.5	891.8	843.7	756.2	724.4
80°	834.0	847.3	865.7	874.9	860.6	827.8	782.8	734.1	678.3	623.5	558.0
82.5°	775.6	783.8	793.5	757.7	737.8	691.6	657.3	586.7	547.3	484.8	418.8
85°	377.3	402.4	383.0	360.4	352.7	275.9	266.7	222.7	202.2	166.4	155.2
87.5°	24.1	29.7	26.6	24.1	21.0	11.8	15.9	11.3	11.8	8.7	7.7
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	516.6	516.1	515.5	515.1	514.5	514.5	514.0	513.5	513.0	511.9	511.9
5°	526.3	526.3	525.8	524.7	524.7	523.7	522.2	521.7	521.7	520.7	519.6
7.5°	542.1	541.7	540.7	540.1	539.1	538.0	537.0	536.0	535.5	534.0	533.5
10°	566.2	565.2	562.6	561.6	561.1	560.1	559.1	558.0	556.5	555.4	555.0
12.5°	593.4	592.8	590.8	591.8	589.3	588.3	587.3	584.7	585.7	583.6	582.6
15°	620.5	621.0	620.0	620.0	618.0	616.4	615.4	613.3	612.8	611.8	610.8
17.5°	644.6	645.6	644.0	643.0	642.0	640.9	638.9	636.8	636.8	634.8	633.8
20°	666.6	667.6	667.1	666.1	664.6	664.0	663.0	661.5	661.5	660.5	658.9
22.5°	691.6	692.2	692.2	691.6	690.1	690.6	689.6	688.1	688.6	686.5	686.5
25°	721.9	722.9	723.9	724.4	723.4	723.9	722.9	721.9	721.3	721.9	721.3
27.5°	763.4	764.4	767.4	764.8	767.4	767.9	766.4	764.4	765.9	768.5	766.9
30°	818.1	817.1	821.2	821.7	821.2	821.7	820.7	819.2	820.2	824.7	822.2
32.5°	879.5	881.6	882.6	883.6	885.2	887.3	885.7	884.2	886.7	885.2	888.7
35°	953.8	958.4	959.9	958.4	959.4	963.0	962.5	963.0	968.1	963.0	969.7
37.5°	1047.4	1052.1	1055.6	1053.6	1056.2	1056.2	1060.3	1071.5	1064.4	1073.6	1080.8
40°	1183.6	1190.8	1191.4	1190.8	1193.4	1196.5	1200.6	1212.8	1204.7	1214.3	1221.0
42.5°	1323.9	1332.7	1335.7	1330.6	1336.2	1342.9	1343.4	1354.1	1354.6	1356.2	1359.7
45°	1482.1	1489.8	1495.9	1493.4	1493.9	1502.6	1500.6	1510.8	1503.1	1503.1	1505.1
47.5°	1650.5	1657.7	1661.8	1665.9	1660.8	1668.5	1672.0	1670.0	1660.8	1658.7	1646.4
50°	1804.1	1810.2	1816.4	1827.6	1827.2	1830.8	1833.3	1824.1	1822.1	1810.8	1796.9
52.5°	1966.9	1982.8	1996.7	2020.2	2023.7	2036.0	2031.5	2016.1	2013.5	1995.1	1976.7
55°	2193.7	2239.3	2259.3	2295.6	2320.2	2319.6	2309.4	2306.9	2287.5	2250.5	2228.6
57.5°	2588.5	2659.6	2693.9	2741.0	2748.7	2744.1	2730.8	2707.3	2673.4	2611.5	2571.6
60°	3158.3	3202.3	3242.3	3253.5	3259.1	3250.4	3203.8	3151.6	3085.6	3000.1	2928.9
62.5°	3588.9	3633.9	3663.6	3659.0	3623.7	3579.1	3511.0	3423.5	3330.8	3235.1	3128.6
65°	3807.9	3826.9	3822.3	3786.4	3726.0	3648.2	3548.9	3440.9	3331.8	3218.7	3108.1
67°	3796.1	3796.7	3765.4	3695.8	3618.5	3520.8	3399.4	3281.6	3153.7	3034.9	2903.3
67.5°	3775.2	3773.1	3729.6	3653.3	3569.9	3469.0	3343.1	3221.2	3088.7	2968.9	2832.7
70°	3537.6	3509.0	3410.6	3288.8	3172.6	3036.4	2904.3	2764.6	2615.1	2512.2	2355.5
72.5°	2906.9	2810.2	2640.7	2513.2	2388.8	2210.6	2128.2	1954.6	1849.7	1784.2	1665.9
75°	1683.4	1602.4	1471.4	1352.1	1291.6	1186.2	1136.0	1008.6	982.0	980.9	939.9
77.5°	642.5	560.6	476.1	383.4	326.1	259.1	228.4	204.3	185.9	198.6	180.2
80°	481.8	396.3	309.8	225.3	160.7	118.8	101.9	94.2	89.6	86.0	83.4
82.5°	358.9	283.1	219.6	143.3	100.4	75.8	65.5	61.4	59.3	55.8	52.7
85°	121.3	97.3	76.8	53.2	42.0	34.3	31.7	30.7	29.2	26.6	25.1
87.5°	6.7	6.1	6.7	5.1	6.1	5.1	5.7	5.7	5.7	5.1	5.1
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°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4
2.5°	511.4	511.4	511.4	510.4	508.8	505.8	502.7	500.2	497.6	496.1	495.1
5°	519.2	518.1	517.6	517.1	513.5	507.4	501.7	496.6	491.4	487.4	485.9
7.5°	532.9	530.9	530.4	528.8	524.3	515.1	506.8	498.6	491.4	485.9	483.3
10°	554.0	554.0	550.9	548.8	543.7	531.4	519.6	508.8	499.2	493.0	491.4
12.5°	580.6	580.6	578.0	576.5	570.3	554.4	540.1	527.4	518.1	511.9	511.4
15°	608.2	607.7	605.7	603.6	596.9	580.0	565.7	554.4	546.8	539.6	537.6
17.5°	632.7	632.7	630.2	628.2	621.5	607.2	594.4	586.2	577.5	562.6	551.4
20°	657.3	657.9	655.8	653.8	648.1	635.8	630.2	622.1	602.6	570.3	543.7
22.5°	684.5	686.5	684.0	682.0	677.3	672.2	670.1	650.7	609.8	558.0	519.2
25°	719.3	722.9	719.8	718.8	716.2	717.8	711.6	666.6	599.5	531.4	482.8
27.5°	766.9	766.9	767.4	767.4	766.4	772.0	749.5	667.1	576.9	497.1	439.3
30°	822.7	825.8	824.7	824.7	828.8	832.5	770.5	655.8	548.3	454.6	386.0
32.5°	889.8	892.4	893.4	888.7	905.1	886.7	778.1	635.4	513.0	401.9	322.5
35°	970.7	974.2	976.8	977.3	988.1	933.8	774.1	605.1	462.3	335.8	252.9
37.5°	1076.1	1083.3	1088.9	1091.4	1092.0	973.8	762.8	565.2	396.3	262.1	188.4
40°	1216.4	1224.1	1222.5	1227.6	1198.5	997.3	737.2	507.4	314.3	192.5	145.4
42.5°	1351.5	1352.6	1354.6	1350.1	1290.6	1009.6	701.4	436.7	235.5	143.8	124.4
45°	1502.6	1493.9	1484.2	1477.0	1375.6	1014.1	652.2	350.7	166.4	120.8	115.2
47.5°	1644.4	1632.7	1612.7	1592.2	1451.4	1007.0	589.3	262.6	126.4	110.6	109.0
50°	1783.6	1761.7	1733.5	1710.0	1524.1	996.3	519.6	189.4	110.6	105.5	103.9
52.5°	1956.2	1919.4	1882.4	1851.7	1618.8	979.4	446.4	143.8	103.9	101.4	99.3
55°	2192.7	2141.5	2082.2	2039.1	1747.3	953.8	369.7	121.9	100.8	98.8	95.7
57.5°	2520.4	2443.5	2376.5	2306.3	1922.9	927.6	303.6	113.1	100.4	97.3	93.2
60°	2855.2	2763.0	2677.5	2577.2	2102.1	901.6	257.5	112.1	101.9	97.3	91.2
62.5°	3029.2	2934.1	2831.1	2729.2	2179.4	840.1	225.8	113.7	105.5	98.8	91.2
65°	2989.3	2873.1	2768.7	2664.8	2089.8	723.9	191.0	115.7	112.7	104.9	92.7
67°	2788.7	2667.3	2567.0	2467.6	1890.2	606.1	163.8	117.8	120.3	112.1	95.7
67.5°	2718.0	2596.7	2497.9	2401.0	1831.3	581.6	157.2	118.8	121.9	114.1	96.7
70°	2253.6	2164.6	2059.6	1984.8	1482.6	430.5	129.0	120.8	131.1	126.0	101.4
72.5°	1621.9	1536.9	1458.1	1416.6	1092.0	301.0	108.6	118.8	136.7	132.6	103.4
75°	862.1	857.0	828.4	848.8	675.8	196.6	95.7	111.1	130.5	121.3	96.3
77.5°	174.0	179.2	210.4	207.4	218.0	109.6	82.0	95.3	100.8	89.1	78.3
80°	80.9	79.3	77.9	78.9	77.3	70.1	66.5	74.8	70.1	57.3	52.2
82.5°	50.1	49.1	47.6	47.1	52.2	55.8	58.3	58.9	46.6	39.9	38.4
85°	24.1	24.1	23.5	24.6	30.7	45.6	49.1	43.5	31.3	28.7	27.2
87.5°	4.7	4.7	5.1	4.7	6.1	10.8	12.3	14.3	11.8	12.3	13.9
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°	509.4	509.4	509.4
2.5°	494.0	493.0	493.0
5°	483.8	483.3	483.3
7.5°	481.2	481.8	481.2
10°	491.0	490.4	492.5
12.5°	512.5	514.0	513.5
15°	535.0	536.0	536.0
17.5°	541.7	538.0	537.6
20°	524.3	517.6	516.1
22.5°	491.4	479.2	479.7
25°	450.0	435.2	436.2
27.5°	401.9	386.0	385.5
30°	344.0	326.6	318.0
32.5°	274.4	253.4	253.4
35°	206.3	189.4	183.3
37.5°	156.7	147.0	143.8
40°	130.5	126.0	124.9
42.5°	118.8	117.2	116.7
45°	112.7	111.6	111.1
47.5°	107.0	106.5	106.0
50°	102.9	102.4	101.9
52.5°	99.3	98.3	97.8
55°	94.2	94.2	94.2
57.5°	91.2	91.2	90.6
60°	88.1	87.5	87.5
62.5°	85.5	84.5	85.0
65°	84.0	82.4	82.4
67°	83.0	79.9	79.9
67.5°	83.0	78.9	78.9
70°	81.4	74.8	73.8
72.5°	79.9	70.1	68.6
75°	75.8	66.5	65.0
77.5°	65.0	59.3	58.3
80°	50.1	43.5	44.6
82.5°	36.4	31.3	30.7
85°	26.1	22.5	22.5
87.5°	13.9	11.8	12.3
90°	0.0	0.0	0.0

(END OF REPORT)