

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: P180671

Luminaire Tested: **ICM-F02-LED-E1-SL3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180671  
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-SL3-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (14) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3935.6 lumens  
Efficiency: N/A  
Efficacy: 71.6 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

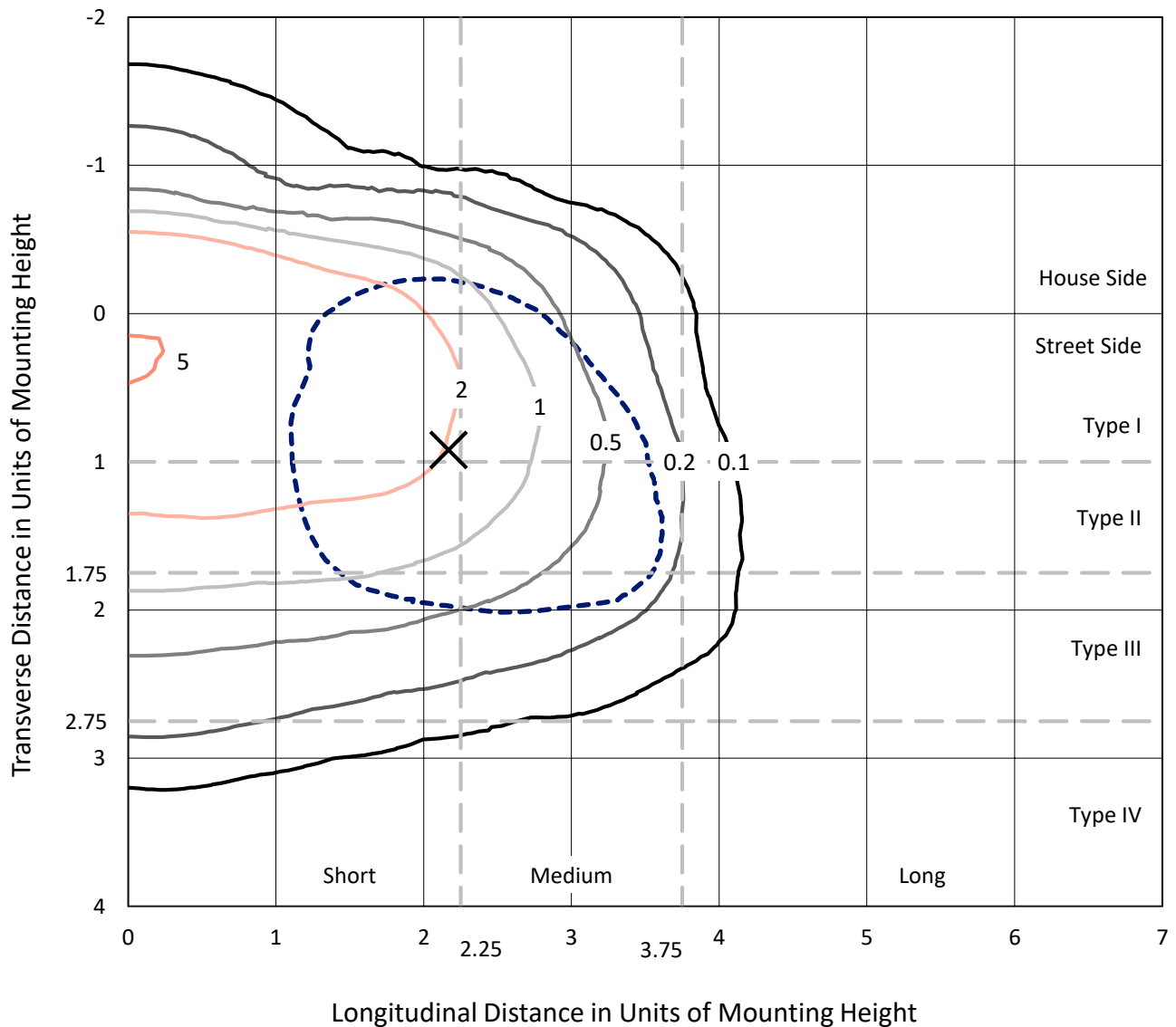
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

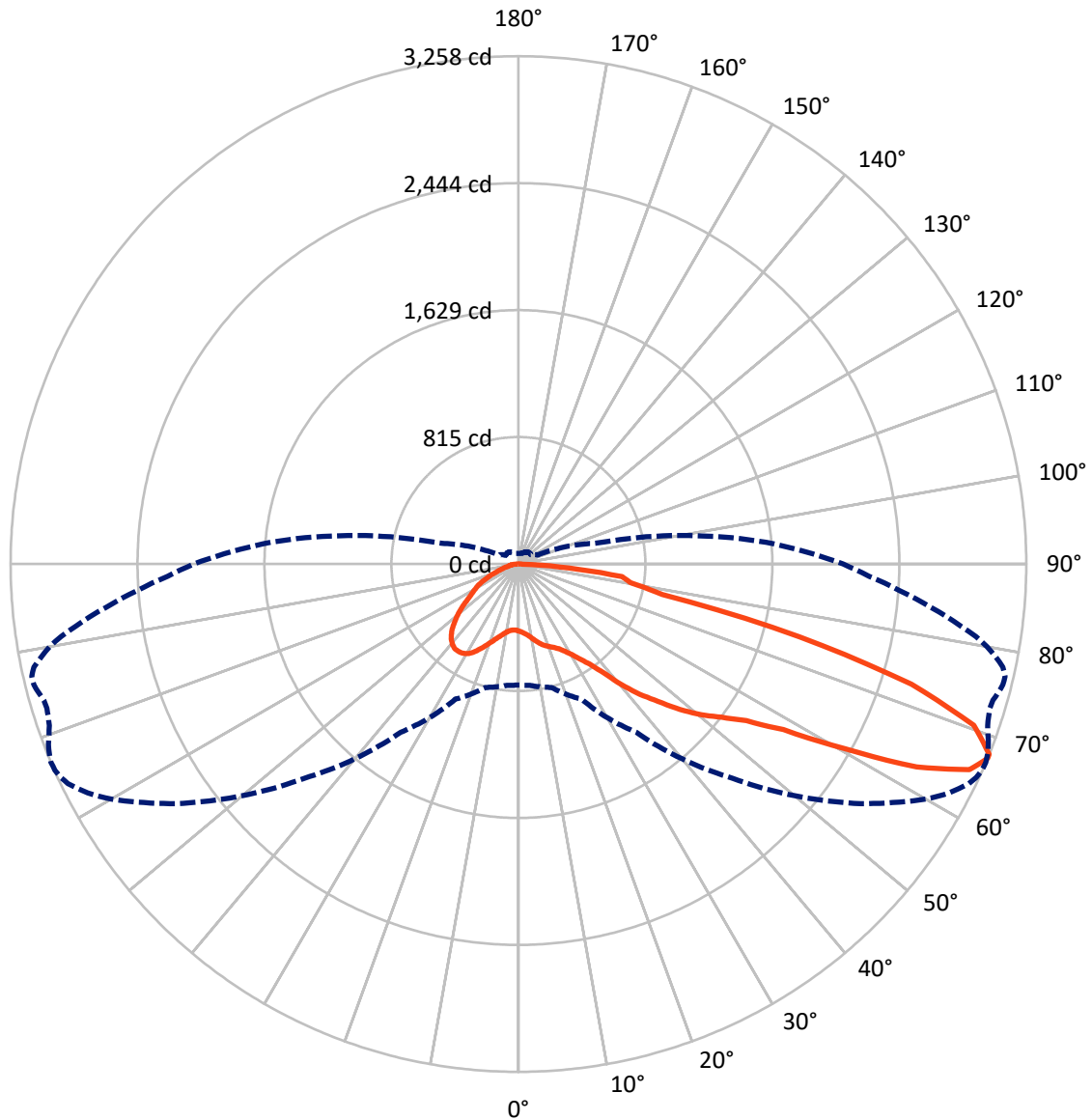
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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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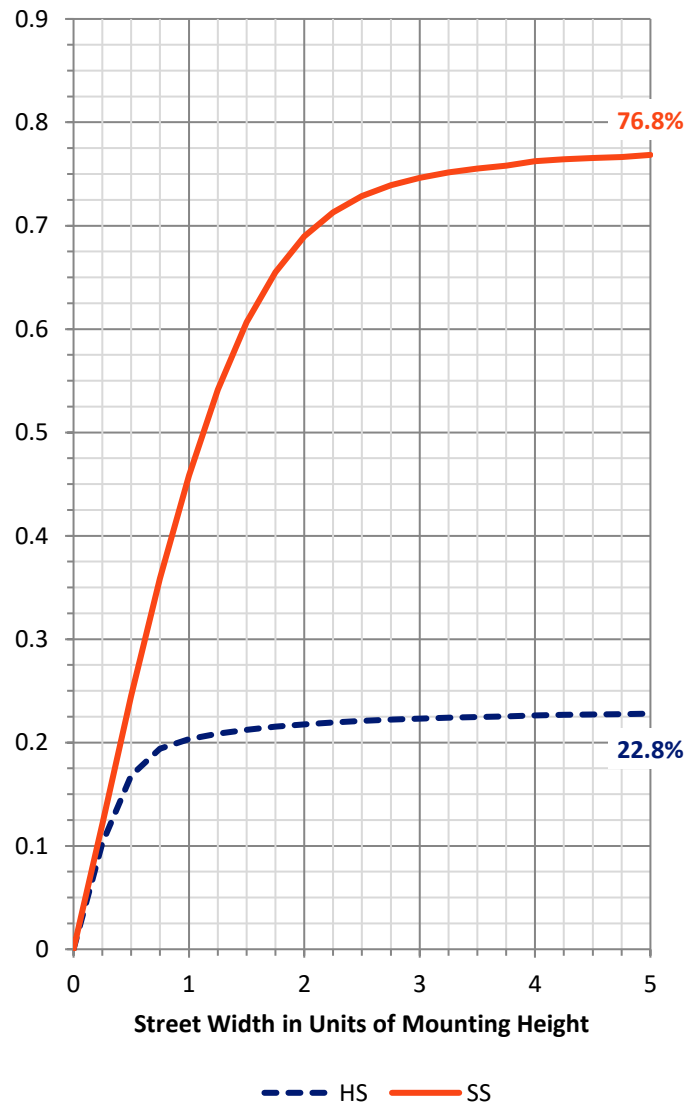
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	908.2	0.0	908.2
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	3027.4	0.0	3027.4
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	3935.6	0.0	3935.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	1.1
10°-20°	146.8	3.7
20°-30°	259.2	6.6
30°-40°	372.0	9.5
40°-50°	565.0	14.4
50°-60°	831.8	21.1
60°-70°	1105.5	28.1
70°-80°	540.8	13.7
80°-90°	71.8	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°	3935.6	100.0
0°-180°	3935.6	100.0



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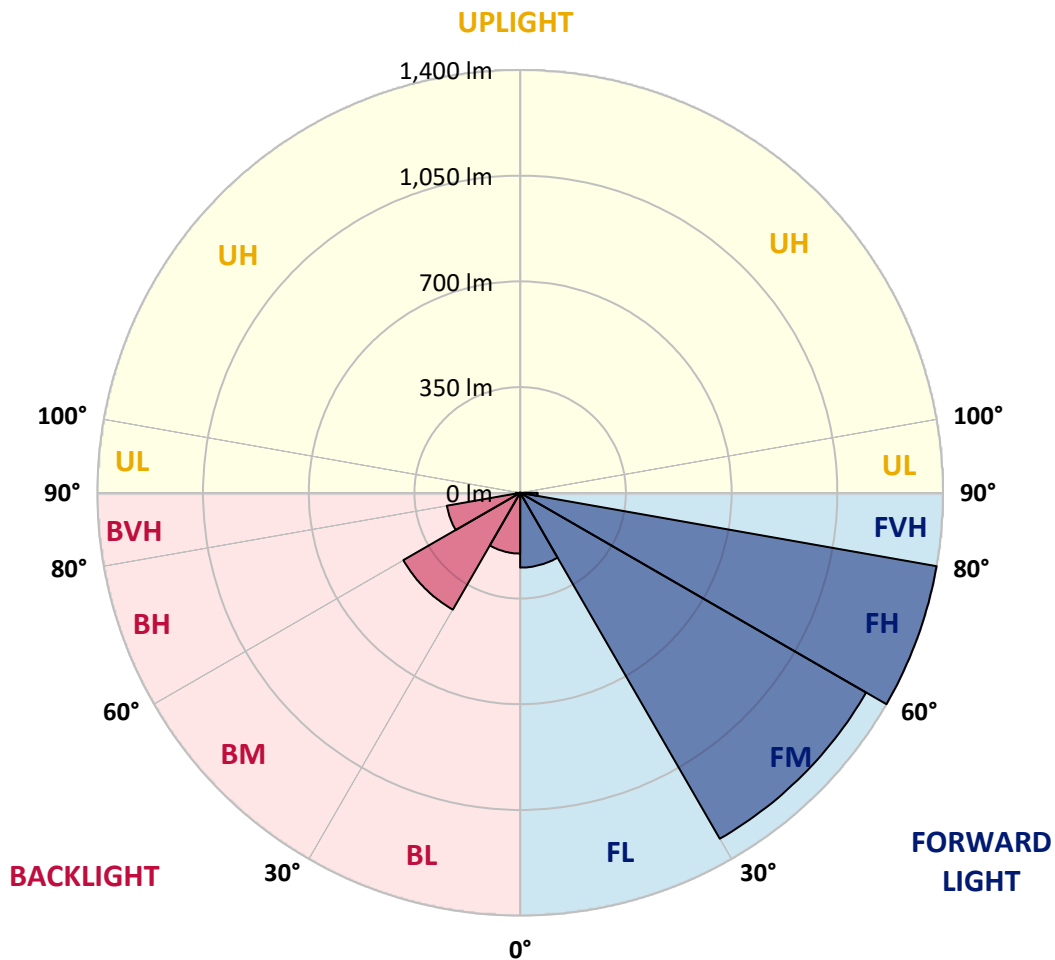
CATALOG NUMBER: ICM-F02-LED-E1-SL3-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.6	6.3			
FM	(30°-60°)	1322.3	33.6			
FH	(60°-80°)	1399.9	35.6			G1/1800
FVH	(80°-90°)	57.7	1.5			G1/100
BL	(0°-30°)	201.1	5.1	B1/500		
BM	(30°-60°)	446.5	11.3	B1/1000		
BH	(60°-80°)	246.4	6.3	B1/500		G1/500
BVH	(80°-90°)	14.1	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°	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
2.5°	450.2	450.7	449.8	449.4	446.8	444.2	442.4	440.3	440.3	440.3	439.4
5°	475.7	474.0	475.3	472.3	467.1	462.3	457.6	453.7	452.8	452.8	451.1
7.5°	506.4	504.3	503.4	499.1	491.3	484.4	474.9	471.0	468.8	467.9	467.1
10°	543.5	543.5	538.0	530.6	520.2	508.1	497.8	490.9	490.4	490.4	486.5
12.5°	581.6	582.4	575.1	567.7	550.9	534.9	522.8	515.1	514.6	512.9	510.7
15°	616.6	614.4	609.7	598.9	580.3	561.3	546.1	538.4	536.7	534.9	533.6
17.5°	645.5	643.4	637.3	623.5	604.1	581.6	563.0	554.8	554.0	553.0	551.4
20°	663.7	662.0	653.3	637.3	617.0	594.1	574.2	568.7	566.9	566.9	566.0
22.5°	674.1	671.4	658.9	637.8	617.9	601.0	584.7	581.1	579.8	580.3	580.3
25°	679.3	677.1	659.4	629.1	610.1	605.4	598.4	596.3	596.7	597.1	598.1
27.5°	680.1	677.1	656.4	617.9	600.2	613.6	618.3	621.8	621.8	623.5	626.5
30°	673.6	670.1	650.3	609.2	595.8	630.0	649.0	658.1	661.5	660.7	667.5
32.5°	662.4	660.2	644.3	609.2	607.9	662.4	696.1	709.0	710.8	711.6	719.4
35°	658.5	658.1	651.2	630.0	645.5	719.4	770.9	780.7	783.0	783.0	788.6
37.5°	657.7	659.8	667.5	668.8	711.6	804.1	871.5	886.6	886.6	891.0	891.0
40°	657.7	662.4	691.7	726.8	792.5	914.3	1007.6	1024.9	1024.9	1029.7	1027.1
42.5°	683.2	690.1	738.4	804.9	894.4	1027.9	1135.1	1154.5	1155.8	1154.5	1158.4
45°	733.2	739.3	798.1	893.6	999.4	1149.8	1256.9	1280.3	1275.5	1278.5	1279.8
47.5°	799.8	809.3	876.3	990.3	1101.9	1262.5	1393.5	1414.6	1412.9	1414.2	1408.6
50°	870.6	880.6	955.4	1086.2	1203.8	1353.3	1503.3	1534.8	1531.7	1533.9	1536.9
52.5°	933.3	939.4	1011.5	1158.4	1281.1	1438.0	1587.5	1626.8	1633.7	1634.6	1636.8
55°	970.4	977.8	1043.9	1194.3	1337.3	1520.9	1683.8	1743.5	1756.8	1760.3	1769.9
57.5°	983.4	991.2	1051.3	1199.4	1368.0	1598.7	1818.2	1923.2	1934.4	1953.0	1983.3
60°	983.0	991.2	1043.4	1187.8	1399.1	1695.1	2027.4	2203.2	2260.2	2279.3	2322.4
62.5°	942.8	952.3	1005.5	1152.4	1438.9	1818.2	2338.4	2608.9	2682.4	2716.9	2763.6
65°	854.7	861.6	911.3	1062.5	1427.6	1939.6	2598.5	2936.0	3003.0	3053.6	3136.9
67°	776.5	780.7	819.6	956.2	1317.9	1943.9	2680.7	3017.2	3075.6	3129.1	3215.2
67.5°	756.6	765.7	795.9	923.8	1276.8	1919.4	2675.1	3004.8	3064.4	3120.1	3210.8
70°	615.7	628.7	643.8	729.8	1003.7	1614.7	2476.8	2787.8	2840.1	2891.9	3018.5
72.5°	379.8	403.2	406.1	460.6	653.3	1116.1	2004.0	2351.0	2390.3	2427.5	2557.1
75°	223.8	227.3	238.0	282.1	383.3	667.2	1344.7	1746.5	1782.8	1800.9	1902.5
77.5°	124.8	128.4	137.4	175.4	294.7	449.4	783.0	1026.2	1048.3	1071.2	1054.7
80°	51.8	56.6	60.9	70.9	137.9	354.7	538.4	652.5	666.7	680.1	696.9
82.5°	25.0	26.8	32.8	37.6	50.1	145.6	422.1	565.6	582.4	601.9	641.2
85°	11.6	12.9	18.1	21.6	24.2	36.7	141.3	275.3	298.6	302.9	310.7
87.5°	0.8	0.8	2.1	3.1	4.3	4.7	14.7	20.7	23.3	21.2	26.8
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
2.5°	439.0	438.6	437.7	437.7	437.3	437.3	437.3	436.4	436.4	436.4	436.0
5°	450.7	450.2	448.9	448.9	448.1	448.1	446.8	446.3	445.5	445.5	445.0
7.5°	465.8	465.4	463.6	463.6	462.3	461.9	461.0	459.7	459.7	458.9	458.0
10°	486.5	485.2	484.8	482.6	483.1	482.2	481.3	480.0	479.2	478.3	477.5
12.5°	509.9	509.9	507.7	506.4	507.3	506.4	504.7	504.3	503.0	503.0	501.7
15°	531.9	531.9	531.1	529.3	529.8	528.5	528.0	527.2	525.4	525.9	525.4
17.5°	550.9	550.9	549.6	548.7	548.7	547.4	547.9	547.0	546.1	545.8	544.5
20°	566.0	566.0	565.2	564.3	564.7	564.7	563.4	563.4	563.4	562.6	562.6
22.5°	580.7	581.1	581.1	581.1	581.6	582.1	581.6	582.4	582.1	582.9	582.9
25°	600.2	601.5	602.3	602.3	604.5	604.9	605.4	606.6	606.6	607.9	608.4
27.5°	629.1	630.0	633.4	634.3	634.7	638.2	638.6	640.4	642.1	642.5	643.0
30°	668.8	671.1	673.6	675.4	675.4	679.6	681.4	680.6	685.3	686.6	688.3
32.5°	722.1	723.7	726.3	728.1	729.8	731.9	732.4	734.5	738.4	741.9	739.7
35°	789.0	793.3	789.0	793.8	795.1	798.1	797.2	799.8	801.5	802.8	802.4
37.5°	886.2	884.0	883.2	881.5	878.4	888.8	883.6	883.2	880.6	887.9	883.2
40°	1014.1	1015.4	1016.7	1009.8	1005.9	1005.9	1004.6	999.8	997.7	1004.2	1003.3
42.5°	1147.6	1148.9	1142.9	1138.5	1128.6	1127.4	1121.3	1120.0	1117.8	1121.3	1117.8
45°	1269.0	1269.9	1256.5	1258.7	1250.9	1252.2	1242.7	1246.6	1241.4	1244.8	1251.4
47.5°	1404.8	1406.4	1394.8	1399.5	1391.7	1387.0	1386.5	1389.1	1383.5	1387.0	1388.8
50°	1527.8	1525.7	1519.6	1520.9	1517.5	1518.3	1513.1	1518.0	1511.5	1518.3	1517.5
52.5°	1637.2	1634.6	1633.3	1637.6	1634.6	1634.6	1631.5	1633.7	1634.6	1644.9	1647.1
55°	1769.9	1772.0	1774.2	1782.0	1785.4	1779.7	1785.4	1796.2	1796.7	1821.2	1834.6
57.5°	1982.8	1998.0	2005.8	2010.5	2030.8	2028.7	2041.6	2067.5	2070.2	2127.2	2160.5
60°	2354.4	2381.2	2406.7	2392.9	2434.0	2446.4	2454.2	2502.6	2517.8	2571.7	2600.8
62.5°	2823.6	2826.7	2866.4	2854.0	2877.2	2871.6	2881.1	2903.2	2923.1	2967.6	2994.8
65°	3151.2	3165.5	3181.0	3165.0	3164.6	3145.6	3133.5	3133.0	3145.1	3154.6	3184.9
67°	3240.2	3254.4	3258.3	3246.7	3229.9	3205.7	3183.2	3171.6	3163.7	3168.0	3187.1
67.5°	3239.4	3252.8	3257.5	3246.3	3222.9	3202.6	3178.9	3165.5	3155.1	3157.2	3173.2
70°	3055.3	3084.2	3099.8	3103.3	3100.2	3064.8	3044.5	3032.4	3023.7	3002.5	3001.3
72.5°	2588.7	2623.6	2635.7	2655.2	2663.8	2611.6	2589.5	2602.9	2572.7	2505.7	2508.7
75°	1900.8	1903.4	1862.7	1855.0	1826.0	1707.6	1672.2	1639.7	1587.9	1507.1	1431.1
77.5°	990.8	990.3	943.6	919.9	885.3	814.1	810.6	752.7	712.1	638.2	611.4
80°	703.9	715.1	730.7	738.4	726.3	698.7	660.7	619.6	572.5	526.2	471.0
82.5°	654.6	661.5	669.8	639.4	622.6	583.7	554.8	495.2	461.9	409.2	353.5
85°	318.4	339.6	323.2	304.2	297.7	232.9	225.1	188.0	170.7	140.5	130.9
87.5°	20.3	25.0	22.5	20.3	17.7	10.0	13.4	9.5	10.0	7.3	6.5
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
2.5°	436.0	435.5	435.1	434.7	434.2	434.2	433.8	433.4	432.9	432.1	432.1
5°	444.2	444.2	443.7	442.9	442.9	442.0	440.7	440.3	440.3	439.4	438.6
7.5°	457.6	457.1	456.3	455.8	455.0	454.1	453.3	452.4	452.0	450.7	450.2
10°	477.9	477.0	474.9	474.0	473.6	472.7	471.8	471.0	469.7	468.8	468.4
12.5°	500.7	500.4	498.6	499.5	497.3	496.5	495.6	493.4	494.3	492.6	491.7
15°	523.7	524.1	523.3	523.3	521.5	520.2	519.4	517.7	517.2	516.4	515.4
17.5°	544.0	544.8	543.5	542.7	541.9	540.9	539.3	537.5	537.5	535.8	534.9
20°	562.6	563.4	563.0	562.1	560.8	560.4	559.5	558.2	558.2	557.4	556.1
22.5°	583.7	584.2	584.2	583.7	582.4	582.9	582.1	580.7	581.1	579.4	579.4
25°	609.2	610.1	611.0	611.4	610.5	611.0	610.1	609.2	608.8	609.2	608.8
27.5°	644.3	645.1	647.7	645.5	647.7	648.1	646.8	645.1	646.4	648.6	647.3
30°	690.5	689.6	693.0	693.5	693.0	693.5	692.7	691.4	692.2	696.1	694.0
32.5°	742.3	744.1	744.9	745.8	747.1	748.8	747.5	746.2	748.4	747.1	750.1
35°	804.9	808.8	810.1	808.8	809.8	812.7	812.3	812.7	817.1	812.7	818.3
37.5°	884.0	887.9	891.0	889.2	891.4	891.4	894.9	904.4	898.3	906.1	912.1
40°	999.0	1005.0	1005.5	1005.0	1007.2	1009.8	1013.2	1023.6	1016.7	1024.9	1030.5
42.5°	1117.4	1124.8	1127.4	1123.0	1127.7	1133.4	1133.8	1142.9	1143.3	1144.6	1147.6
45°	1250.9	1257.4	1262.5	1260.4	1260.8	1268.2	1266.4	1275.1	1268.6	1268.6	1270.3
47.5°	1393.0	1399.1	1402.5	1406.1	1401.7	1408.2	1411.2	1409.5	1401.7	1399.9	1389.6
50°	1522.7	1527.8	1533.0	1542.5	1542.1	1545.1	1547.3	1539.5	1537.8	1528.3	1516.7
52.5°	1660.1	1673.5	1685.1	1705.0	1708.0	1718.4	1714.5	1701.6	1699.4	1683.8	1668.3
55°	1851.5	1890.0	1906.8	1937.5	1958.2	1957.8	1949.1	1947.0	1930.5	1899.5	1880.8
57.5°	2184.7	2244.7	2273.6	2313.4	2319.8	2316.0	2304.8	2284.9	2256.4	2204.1	2170.3
60°	2665.5	2702.7	2736.4	2745.9	2750.6	2743.3	2704.0	2659.9	2604.2	2532.0	2471.9
62.5°	3028.9	3067.0	3092.0	3088.1	3058.3	3020.8	2963.3	2889.3	2811.2	2730.3	2640.5
65°	3213.9	3229.9	3226.0	3195.7	3144.8	3079.1	2995.2	2904.0	2812.0	2716.6	2623.2
67°	3203.9	3204.4	3178.0	3119.3	3054.0	2971.5	2869.0	2769.7	2661.7	2561.4	2450.3
67.5°	3186.3	3184.5	3147.7	3083.4	3012.9	2927.8	2821.5	2718.7	2606.8	2505.7	2390.7
70°	2985.7	2961.5	2878.5	2775.7	2677.6	2562.7	2451.3	2333.2	2207.1	2120.3	1988.0
72.5°	2453.4	2371.7	2228.7	2121.1	2016.1	1865.8	1796.2	1649.7	1561.1	1505.8	1406.1
75°	1420.7	1352.5	1241.8	1141.1	1090.1	1001.1	958.8	851.2	828.7	827.9	793.3
77.5°	542.2	473.1	401.9	323.6	275.3	218.6	192.7	172.4	156.8	167.6	152.1
80°	406.6	334.4	261.4	190.1	135.6	100.3	86.0	79.5	75.6	72.6	70.4
82.5°	302.9	239.0	185.4	121.0	84.7	63.9	55.3	51.8	50.1	47.1	44.5
85°	102.4	82.1	64.8	44.9	35.4	28.9	26.8	26.0	24.7	22.5	21.2
87.5°	5.6	5.2	5.6	4.3	5.2	4.3	4.7	4.7	4.7	4.3	4.3
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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
2.5°	431.6	431.6	431.6	430.8	429.5	426.9	424.3	422.1	420.0	418.7	417.9
5°	438.1	437.3	436.8	436.4	433.4	428.2	423.4	419.2	414.8	411.4	410.0
7.5°	449.8	448.1	447.6	446.3	442.4	434.7	427.7	420.8	414.8	410.0	407.9
10°	467.5	467.5	464.9	463.2	458.9	448.5	438.6	429.5	421.3	416.1	414.8
12.5°	490.0	490.0	487.8	486.5	481.3	467.9	455.8	445.0	437.3	432.1	431.6
15°	513.3	512.9	511.2	509.4	503.8	489.6	477.5	467.9	461.5	455.4	453.7
17.5°	534.0	534.0	531.9	530.1	524.6	512.5	501.7	494.7	487.4	474.9	465.4
20°	554.8	555.3	553.5	551.8	547.0	536.7	531.9	525.0	508.6	481.3	458.9
22.5°	577.7	579.4	577.3	575.5	571.6	567.4	565.6	549.2	514.6	471.0	438.1
25°	607.1	610.1	607.5	606.6	604.5	605.8	600.6	562.6	506.0	448.5	407.4
27.5°	647.3	647.3	647.7	647.7	646.8	651.6	632.6	563.0	487.0	419.5	370.7
30°	694.3	696.9	696.1	696.1	699.5	702.6	650.3	553.5	462.8	383.7	325.8
32.5°	751.0	753.1	754.0	750.1	763.9	748.4	656.7	536.2	432.9	339.2	272.2
35°	819.3	822.2	824.4	824.8	834.0	788.1	653.3	510.7	390.1	283.4	213.5
37.5°	908.3	914.3	919.1	921.2	921.7	821.9	643.8	477.0	334.4	221.2	159.0
40°	1026.6	1033.1	1031.8	1036.1	1011.5	841.7	622.2	428.2	265.3	162.4	122.7
42.5°	1140.8	1141.6	1143.3	1139.4	1089.3	852.1	592.0	368.6	198.8	121.4	105.0
45°	1268.2	1260.8	1252.7	1246.6	1161.0	856.0	550.5	296.0	140.5	102.0	97.2
47.5°	1387.8	1378.0	1361.0	1343.8	1224.9	850.0	497.3	221.7	106.7	93.3	92.0
50°	1505.4	1486.8	1463.1	1443.2	1286.3	840.8	438.6	159.9	93.3	89.0	87.7
52.5°	1651.0	1619.9	1588.8	1562.9	1366.2	826.6	376.7	121.4	87.7	85.6	83.8
55°	1850.6	1807.5	1757.3	1721.0	1474.7	804.9	312.0	102.8	85.1	83.3	80.8
57.5°	2127.2	2062.3	2005.8	1946.5	1622.9	783.0	256.2	95.5	84.7	82.1	78.6
60°	2409.8	2332.0	2259.8	2175.1	1774.2	760.9	217.3	94.6	86.0	82.1	76.9
62.5°	2556.7	2476.3	2389.4	2303.5	1839.4	709.0	190.5	95.9	89.0	83.3	76.9
65°	2523.0	2424.9	2336.8	2249.0	1763.7	611.0	161.2	97.7	95.1	88.6	78.2
67°	2353.6	2251.2	2166.5	2082.6	1595.3	511.6	138.2	99.3	101.6	94.6	80.8
67.5°	2294.0	2191.5	2108.1	2026.5	1545.6	490.9	132.7	100.3	102.8	96.4	81.7
70°	1902.1	1826.9	1738.2	1675.2	1251.4	363.4	108.9	102.0	110.6	106.3	85.6
72.5°	1368.8	1297.1	1230.6	1195.5	921.7	254.0	91.6	100.3	115.3	111.9	87.3
75°	727.6	723.4	699.1	716.4	570.3	166.0	80.8	93.8	110.1	102.4	81.2
77.5°	146.9	151.3	177.6	175.0	184.1	92.5	69.1	80.4	85.1	75.2	66.1
80°	68.3	67.0	65.7	66.5	65.2	59.2	56.2	63.1	59.2	48.4	44.1
82.5°	42.3	41.5	40.2	39.7	44.1	47.1	49.3	49.7	39.3	33.7	32.4
85°	20.3	20.3	19.9	20.7	26.0	38.4	41.5	36.7	26.3	24.2	22.9
87.5°	3.9	3.9	4.3	3.9	5.2	9.1	10.3	12.1	10.0	10.3	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):**

	165°	175°	180°
0°	430.0	430.0	430.0
2.5°	416.9	416.1	416.1
5°	408.3	407.9	407.9
7.5°	406.1	406.6	406.1
10°	414.3	414.0	415.6
12.5°	432.6	433.8	433.4
15°	451.5	452.4	452.4
17.5°	457.1	454.1	453.7
20°	442.4	436.8	435.5
22.5°	414.8	404.5	404.8
25°	379.8	367.3	368.1
27.5°	339.2	325.8	325.4
30°	290.3	275.6	268.3
32.5°	231.6	213.9	213.9
35°	174.1	159.9	154.7
37.5°	132.2	124.0	121.4
40°	110.1	106.3	105.4
42.5°	100.3	99.0	98.5
45°	95.1	94.2	93.8
47.5°	90.3	89.9	89.4
50°	86.9	86.4	86.0
52.5°	83.8	83.0	82.5
55°	79.5	79.5	79.5
57.5°	76.9	76.9	76.5
60°	74.3	73.9	73.9
62.5°	72.2	71.3	71.7
65°	70.9	69.6	69.6
67°	70.0	67.4	67.4
67.5°	70.0	66.5	66.5
70°	68.7	63.1	62.2
72.5°	67.4	59.2	57.9
75°	63.9	56.2	54.9
77.5°	54.9	50.1	49.3
80°	42.3	36.7	37.6
82.5°	30.7	26.3	26.0
85°	22.0	19.0	19.0
87.5°	11.6	10.0	10.3
90°	0.0	0.0	0.0

(END OF REPORT)