

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: P180806

Luminaire Tested: **ICM-E06-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180806  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E06-LED-E1-SL4-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

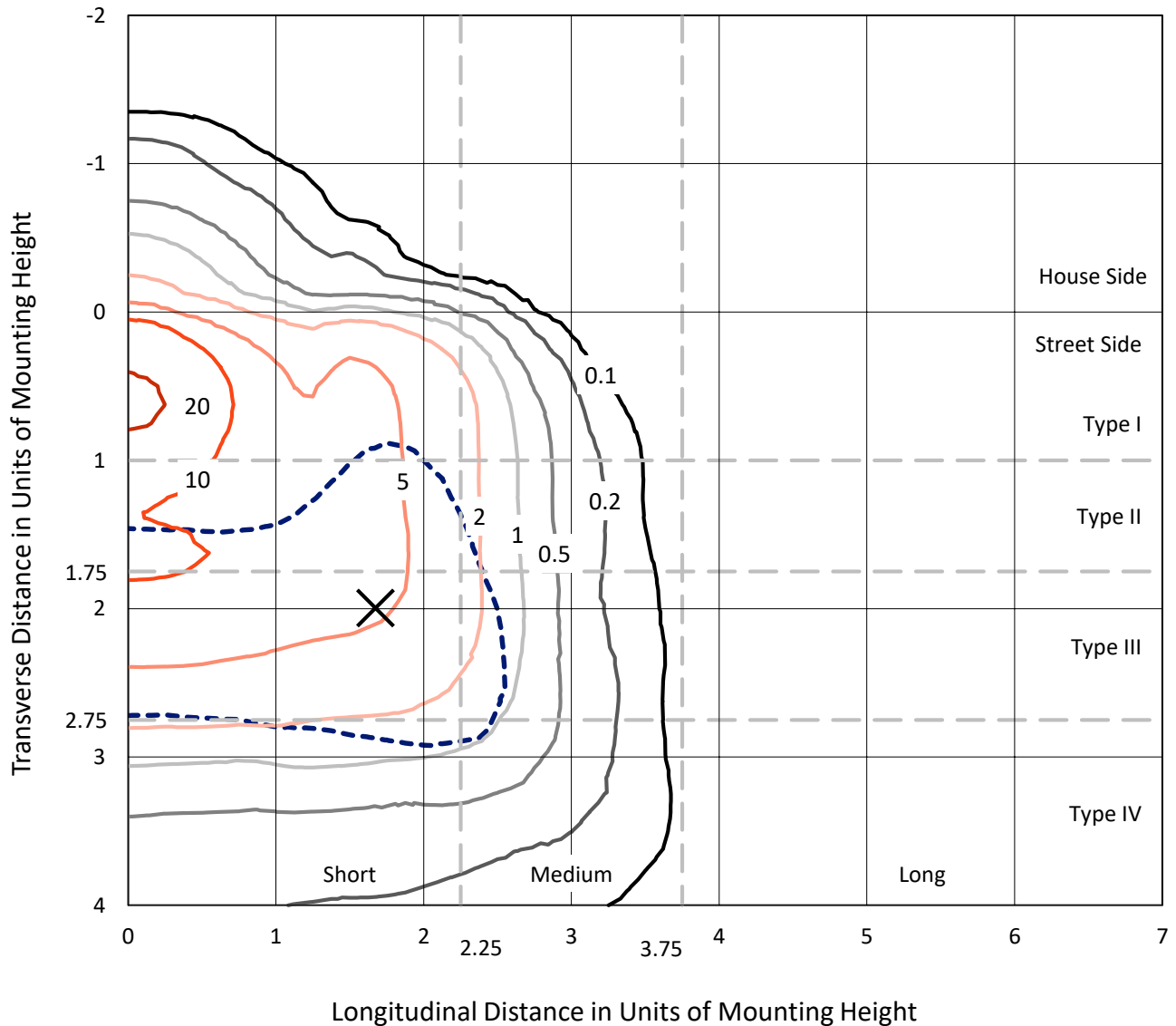
Lumens per Lamp: N/A  
Luminaire Lumens: 9585.3 lumens  
Efficiency: N/A  
Efficacy: 63.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 150.5  
Input Voltage (V): NR  
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

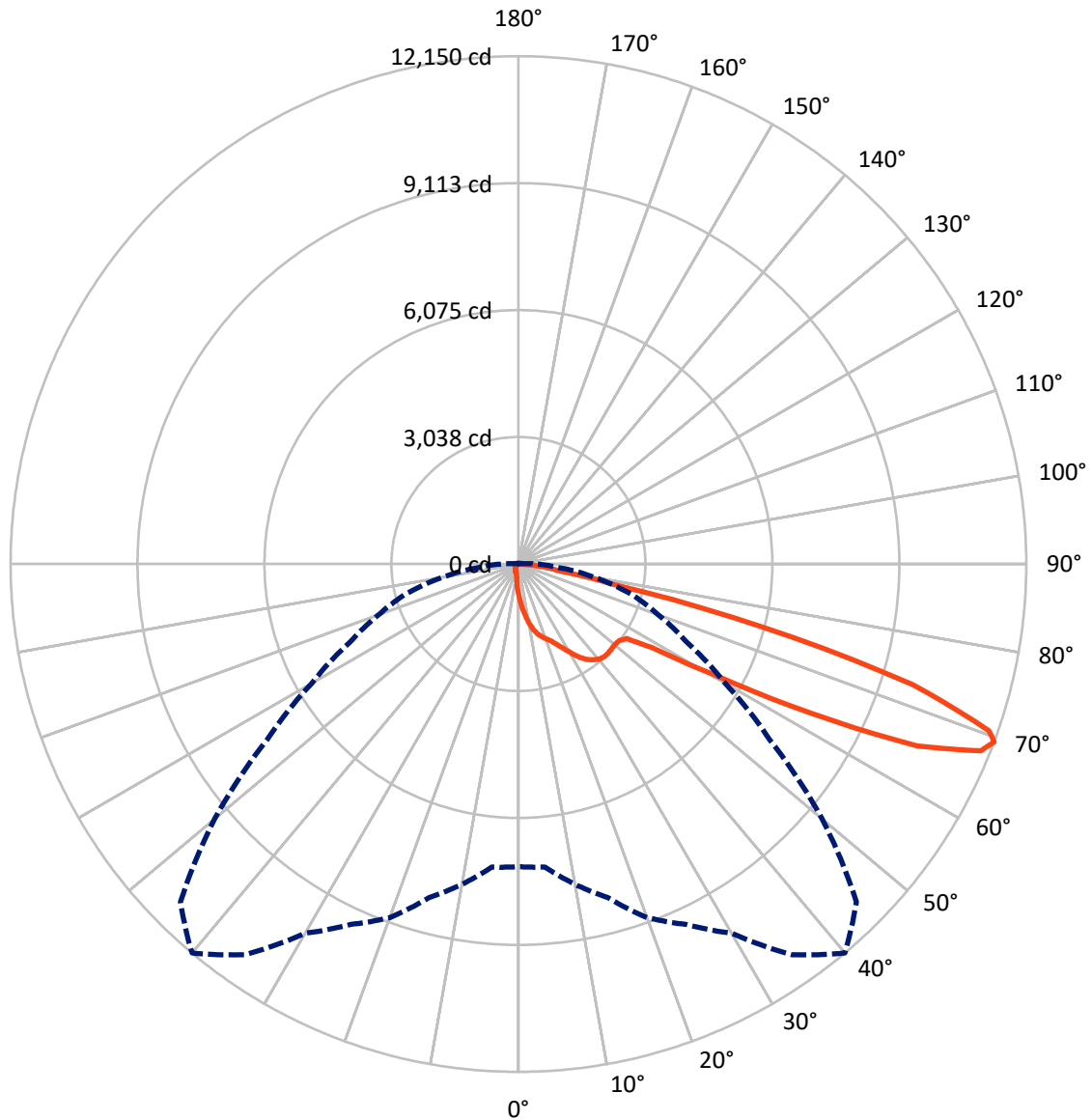
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.4 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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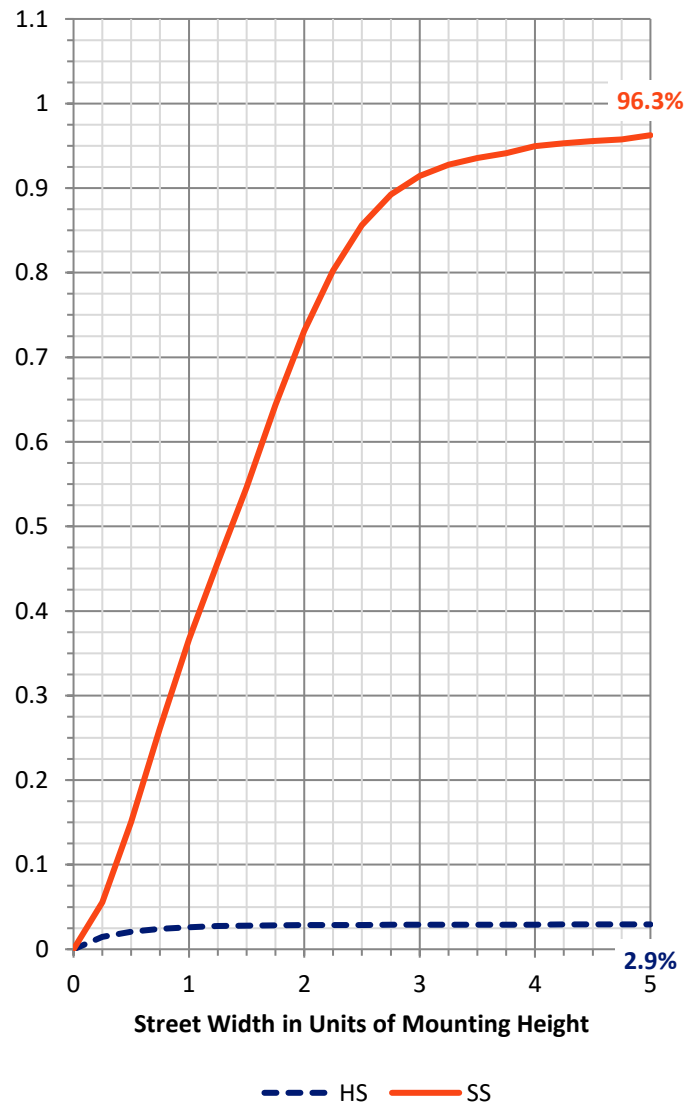
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	285.4	0.0	285.4
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	9299.9	0.0	9299.9
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	9585.3	0.0	9585.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.4	0.8
10°-20°	256.5	2.7
20°-30°	491.0	5.1
30°-40°	816.5	8.5
40°-50°	1104.9	11.5
50°-60°	1727.9	18.0
60°-70°	3552.5	37.1
70°-80°	1429.5	14.9
80°-90°	132.2	1.4
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°	9585.3	100.0
0°-180°	9585.3	100.0



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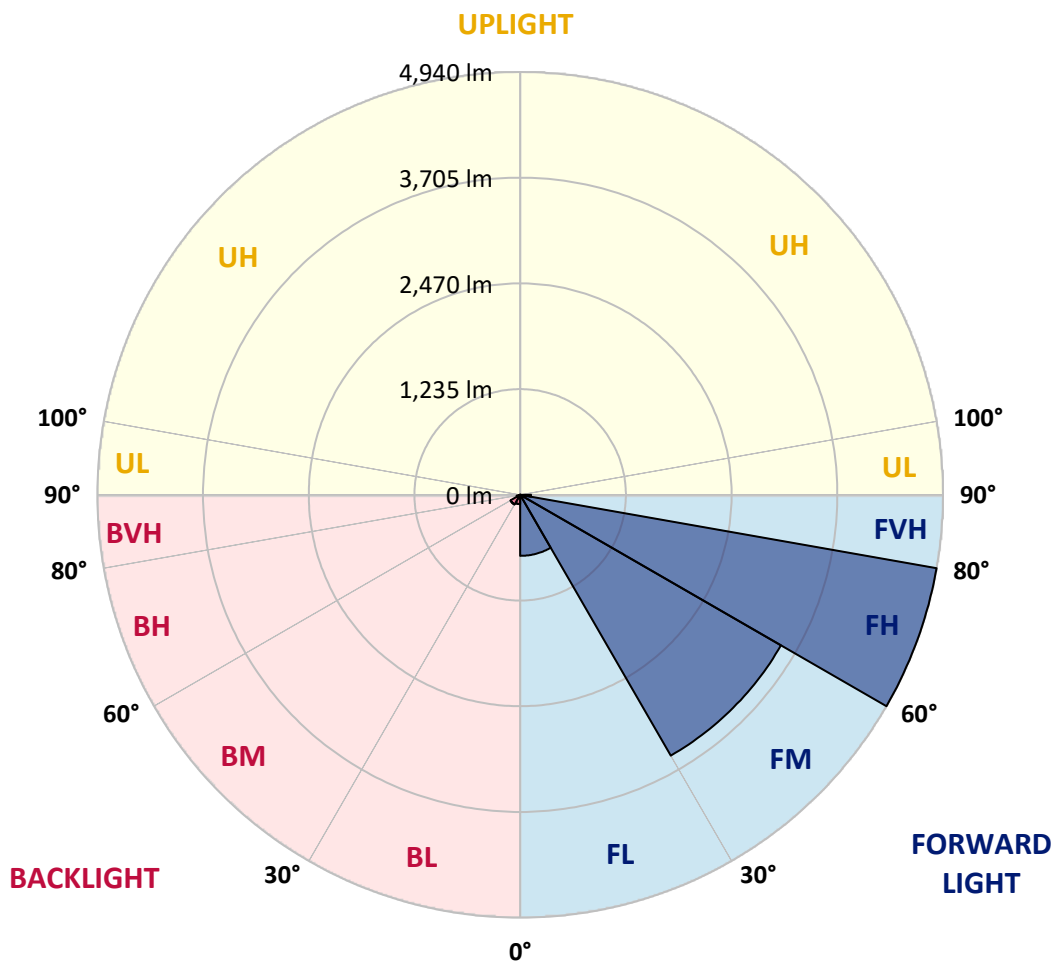
CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS-8030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.3	7.4			
FM (30°-60°)	3518.9	36.7			
FH (60°-80°)	4940.3	51.5			G2/5000
FVH (80°-90°)	127.3	1.3			G2/225
BL (0°-30°)	108.6	1.1	B0/110		
BM (30°-60°)	130.3	1.4	B0/220		
BH (60°-80°)	41.6	0.4	B0/110		G0/110
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9
2.5°	965.7	954.7	942.1	942.1	926.4	926.4	917.0	891.9	888.7	874.6	860.5
5°	1232.7	1223.2	1207.5	1193.4	1180.8	1158.8	1143.2	1113.3	1080.3	1048.9	1020.7
7.5°	1493.3	1488.6	1460.3	1455.6	1435.2	1399.1	1367.6	1323.7	1267.2	1223.2	1171.4
10°	1735.1	1724.1	1717.9	1691.2	1661.3	1622.1	1573.4	1520.0	1454.1	1384.9	1311.2
12.5°	1926.7	1920.4	1892.1	1881.1	1849.7	1810.4	1749.2	1680.1	1614.1	1524.7	1438.3
15°	2069.6	2058.5	2039.7	2022.4	1984.8	1950.2	1893.7	1818.3	1738.2	1640.8	1537.2
17.5°	2188.9	2168.5	2163.7	2137.0	2097.8	2057.0	1994.2	1925.1	1830.9	1733.5	1620.5
20°	2349.0	2320.8	2311.4	2272.1	2226.6	2170.1	2097.8	2011.5	1912.6	1805.8	1689.6
22.5°	2537.5	2517.0	2496.7	2462.2	2404.0	2323.9	2218.7	2124.5	1998.9	1881.1	1755.5
25°	2804.4	2787.2	2754.2	2707.1	2634.8	2539.1	2411.8	2273.7	2126.1	1975.4	1827.7
27.5°	3063.6	3047.8	3024.3	2988.1	2906.5	2801.3	2644.3	2468.4	2281.5	2099.4	1936.1
30°	3306.9	3292.8	3269.2	3233.1	3160.9	3057.2	2879.8	2691.4	2459.0	2247.0	2050.7
32.5°	3569.1	3564.4	3537.7	3485.9	3423.1	3283.4	3090.2	2887.6	2652.1	2407.2	2177.9
35°	3865.9	3829.8	3804.7	3752.9	3646.1	3496.9	3270.8	3049.4	2801.3	2550.1	2294.1
37.5°	4117.1	4082.6	4051.2	3985.2	3854.9	3664.9	3409.0	3165.6	2909.6	2653.7	2393.0
40°	4300.9	4283.6	4245.9	4159.6	4013.5	3787.4	3511.0	3245.7	2988.1	2730.6	2473.1
42.5°	4437.4	4410.7	4368.4	4278.9	4106.2	3848.6	3551.8	3278.6	3024.3	2777.7	2524.9
45°	4487.7	4465.7	4426.4	4329.1	4142.3	3865.9	3550.3	3269.2	3025.8	2791.8	2559.5
47.5°	4457.9	4435.8	4401.3	4310.3	4126.5	3845.5	3522.0	3242.5	3010.2	2796.6	2590.9
50°	4358.9	4346.4	4319.7	4242.7	4077.9	3806.3	3496.9	3228.4	3007.0	2820.1	2634.8
52.5°	4349.5	4341.7	4308.7	4231.7	4063.7	3793.7	3493.8	3236.2	3033.7	2850.0	2666.2
55°	5315.2	5203.8	4954.1	4742.1	4393.5	3978.9	3652.3	3363.5	3146.7	2967.7	2839.0
57.5°	7554.4	7388.0	7059.8	6656.2	5855.4	5068.7	4439.0	3983.7	3759.1	3677.5	3726.2
60°	8603.3	8573.4	8521.6	8330.0	7920.2	7243.5	6489.7	5674.8	5348.2	5319.9	5418.8
62.5°	9101.0	9082.2	9097.9	9074.3	8947.1	8749.3	8532.6	8180.9	7857.4	7648.6	7205.7
65°	9330.3	9342.8	9432.3	9503.0	9518.7	9570.5	9729.1	10167.2	10487.5	9949.0	8719.5
67.5°	8747.7	8821.5	9027.2	9284.7	9586.2	9878.3	10349.4	11272.6	11930.6	11297.7	9551.7
69°	7241.9	7278.0	7780.5	8265.6	9002.1	9517.2	10200.2	11410.9	12150.4	11436.0	9485.7
70°	5701.5	5734.5	6273.1	6932.5	8177.7	8840.3	9733.8	11176.9	11944.7	11252.3	9146.6
72.5°	2572.0	2524.9	2714.9	3068.2	4421.8	5473.8	7036.1	9055.5	9854.8	9014.7	6843.0
75°	1796.4	1775.9	1796.4	1797.9	2008.3	2590.9	3269.2	4908.5	6070.5	5238.3	3269.2
77.5°	1391.3	1377.1	1363.0	1347.3	1372.4	1537.2	1603.2	1741.4	2261.1	2138.6	1246.8
80°	1100.8	1088.2	1122.7	1111.7	1111.7	1130.5	1118.0	1066.1	968.8	898.1	803.9
82.5°	511.9	515.1	515.1	559.0	673.6	786.7	822.8	771.0	684.7	582.5	469.5
85°	48.7	55.0	92.7	142.9	284.2	320.3	321.9	267.0	267.0	210.4	169.6
87.5°	0.0	1.6	1.6	1.6	14.1	39.3	32.9	9.4	4.7	4.7	7.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9
2.5°	835.4	830.6	811.8	792.9	775.7	756.8	739.5	722.3	703.4	689.3	672.1
5°	976.7	942.1	902.9	865.2	827.5	788.3	747.4	711.4	673.6	639.1	606.1
7.5°	1119.5	1052.0	998.7	931.2	869.9	808.7	752.1	694.1	640.7	590.4	543.3
10°	1240.5	1158.8	1075.6	989.2	901.3	819.6	741.1	672.1	601.4	540.2	482.0
12.5°	1339.4	1235.7	1133.7	1025.4	926.4	822.8	725.4	642.2	559.0	490.0	430.2
15°	1428.9	1309.6	1187.1	1061.5	935.8	818.1	709.8	606.1	521.3	442.8	375.3
17.5°	1501.1	1364.6	1226.3	1085.0	950.0	811.8	689.3	581.0	482.0	400.4	334.4
20°	1563.9	1421.0	1271.9	1113.3	959.4	810.2	672.1	549.6	447.5	361.1	296.7
22.5°	1622.1	1479.2	1319.0	1149.4	973.5	808.7	656.4	526.0	417.7	331.4	267.0
25°	1688.0	1537.2	1369.2	1187.1	998.7	815.0	646.9	507.2	391.0	303.1	243.4
27.5°	1761.8	1603.2	1428.9	1234.2	1031.6	827.5	643.8	486.8	367.4	276.4	224.6
30°	1865.4	1681.7	1488.6	1281.3	1061.5	841.7	640.7	474.2	343.9	255.9	205.7
32.5°	1956.5	1758.6	1554.5	1330.0	1094.4	855.8	639.1	456.9	321.9	235.5	191.5
35°	2052.3	1829.3	1611.1	1377.1	1122.7	871.4	637.5	444.4	301.5	215.2	177.4
37.5°	2135.5	1888.9	1655.0	1417.9	1154.1	885.6	639.1	433.4	282.6	197.9	164.8
40°	2206.2	1950.2	1703.7	1455.6	1187.1	907.6	640.7	422.4	263.8	182.1	153.9
42.5°	2268.9	2008.3	1755.5	1498.0	1224.8	932.7	650.1	412.9	248.1	168.0	142.9
45°	2317.7	2061.7	1812.0	1557.7	1286.1	973.5	667.4	406.7	232.4	155.4	133.5
47.5°	2367.9	2140.2	1907.8	1651.9	1375.5	1038.0	697.2	405.1	219.8	146.0	125.6
50°	2436.9	2218.7	1992.6	1747.6	1457.1	1103.9	733.3	406.7	204.1	136.7	117.8
52.5°	2487.3	2298.8	2102.5	1914.1	1651.9	1304.8	873.0	435.0	196.3	128.7	108.4
55°	2784.0	2751.0	2755.7	2787.2	2584.6	2220.3	1460.3	628.1	230.8	146.0	106.8
57.5°	3925.6	4041.8	4109.2	4107.7	3773.2	3129.4	1961.2	807.1	257.5	169.6	127.2
60°	5426.7	5338.7	5214.7	4908.5	4464.1	3572.3	2193.6	868.4	223.0	135.1	116.2
62.5°	6753.5	6238.5	5781.5	5285.3	4702.8	3726.2	2240.8	863.6	194.7	102.0	81.7
65°	7581.1	6654.6	5916.6	5294.8	4608.6	3597.4	2119.8	792.9	164.8	83.3	67.5
67.5°	7778.9	6430.1	5385.9	4592.9	3850.2	2799.7	1556.1	596.7	128.7	69.1	59.6
69°	7347.1	5715.7	4462.5	3562.8	2801.3	1857.6	962.5	376.8	98.9	62.8	55.0
70°	6758.3	4971.4	3635.1	2859.4	2074.2	1304.8	673.6	265.4	80.1	58.1	50.2
72.5°	4347.9	2611.3	1786.9	1243.6	855.8	519.7	263.8	119.3	61.2	48.7	40.8
75°	1686.4	965.7	700.3	532.3	416.1	288.9	160.2	76.9	51.8	40.8	31.4
77.5°	830.6	635.9	519.7	356.5	207.3	128.7	86.3	59.6	42.4	29.9	20.4
80°	656.4	436.6	260.7	161.8	122.5	92.7	66.0	48.7	31.4	18.9	14.1
82.5°	336.0	183.7	135.1	110.0	91.1	72.2	53.4	34.5	20.4	12.6	11.0
85°	105.2	76.9	69.1	67.5	62.8	51.8	37.7	22.0	12.6	7.8	7.8
87.5°	7.8	11.0	14.1	11.0	12.6	11.0	14.1	9.4	6.3	6.3	4.7
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9
2.5°	659.5	640.7	623.4	612.4	592.0	584.1	576.3	573.1	559.0	562.1	549.6
5°	576.3	543.3	518.1	493.0	469.5	452.2	438.0	420.8	406.7	400.4	387.8
7.5°	500.9	458.5	425.5	398.8	370.6	348.6	329.8	317.2	304.7	292.1	285.8
10°	435.0	389.4	351.7	325.0	298.3	279.5	265.4	255.9	248.1	243.4	241.8
12.5°	373.7	329.8	295.2	271.6	251.3	241.8	235.5	230.8	229.2	227.7	227.7
15°	326.6	282.6	255.9	238.7	229.2	224.6	223.0	219.8	216.7	215.2	215.2
17.5°	282.6	249.7	230.8	221.4	216.7	213.6	210.4	207.3	204.1	202.5	202.5
20°	252.8	226.1	216.7	210.4	205.7	202.5	197.9	194.7	193.1	191.5	190.0
22.5°	229.2	212.0	205.7	201.0	194.7	190.0	186.9	183.7	180.6	179.0	177.4
25°	212.0	201.0	196.3	190.0	183.7	179.0	174.3	169.6	166.4	164.8	161.8
27.5°	199.4	191.5	185.3	177.4	171.2	166.4	161.8	157.0	153.9	150.7	149.2
30°	188.5	180.6	172.7	166.4	158.6	153.9	147.6	142.9	141.3	138.1	135.1
32.5°	177.4	169.6	161.8	153.9	146.0	139.7	136.7	130.3	127.2	125.6	122.5
35°	164.8	157.0	147.6	141.3	133.5	127.2	122.5	117.8	114.6	111.4	110.0
37.5°	153.9	144.5	135.1	127.2	120.9	114.6	110.0	105.2	102.0	98.9	97.4
40°	141.3	131.9	122.5	114.6	108.4	103.6	98.9	94.2	91.1	89.5	89.5
42.5°	130.3	119.3	110.0	103.6	98.9	92.7	87.9	83.3	81.7	80.1	81.7
45°	119.3	108.4	100.5	94.2	89.5	83.3	78.5	75.3	73.8	75.3	76.9
47.5°	110.0	98.9	91.1	86.3	81.7	76.9	72.2	69.1	69.1	72.2	75.3
50°	100.5	89.5	83.3	80.1	75.3	70.7	64.4	62.8	64.4	67.5	70.7
52.5°	91.1	78.5	73.8	72.2	67.5	62.8	58.1	56.6	58.1	61.2	59.6
55°	81.7	69.1	67.5	66.0	61.2	55.0	50.2	50.2	50.2	48.7	45.6
57.5°	78.5	61.2	59.6	58.1	53.4	47.1	44.0	40.8	39.3	34.5	32.9
60°	81.7	55.0	55.0	51.8	47.1	40.8	36.1	31.4	28.3	25.1	25.1
62.5°	66.0	50.2	48.7	45.6	39.3	32.9	28.3	23.5	22.0	20.4	20.4
65°	53.4	45.6	42.4	37.7	32.9	26.7	22.0	18.9	17.3	17.3	18.9
67.5°	48.7	40.8	36.1	31.4	26.7	20.4	17.3	15.7	15.7	17.3	17.3
69°	45.6	37.7	32.9	28.3	23.5	18.9	15.7	15.7	15.7	15.7	17.3
70°	42.4	36.1	31.4	26.7	20.4	15.7	14.1	14.1	15.7	15.7	17.3
72.5°	32.9	28.3	26.7	22.0	15.7	14.1	12.6	14.1	14.1	15.7	15.7
75°	25.1	20.4	20.4	17.3	12.6	11.0	11.0	12.6	12.6	14.1	14.1
77.5°	17.3	14.1	14.1	12.6	11.0	9.4	9.4	11.0	12.6	12.6	14.1
80°	12.6	11.0	9.4	11.0	9.4	7.8	9.4	11.0	11.0	12.6	12.6
82.5°	9.4	9.4	9.4	9.4	7.8	7.8	9.4	9.4	11.0	12.6	12.6
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.4	9.4	11.0	11.0
87.5°	4.7	4.7	4.7	6.3	6.3	7.8	7.8	7.8	7.8	9.4	9.4
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):**

	165°	170°	175°	180°
0°	723.9	723.9	723.9	723.9
2.5°	546.4	544.8	538.6	540.2
5°	383.2	373.7	380.0	378.4
7.5°	281.0	279.5	278.0	281.0
10°	240.3	240.3	238.7	240.3
12.5°	226.1	226.1	226.1	226.1
15°	215.2	215.2	213.6	213.6
17.5°	202.5	202.5	202.5	201.0
20°	190.0	188.5	188.5	188.5
22.5°	175.9	174.3	174.3	174.3
25°	161.8	160.2	160.2	160.2
27.5°	147.6	146.0	144.5	144.5
30°	133.5	131.9	130.3	130.3
32.5°	119.3	117.8	116.2	116.2
35°	106.8	106.8	105.2	103.6
37.5°	95.8	95.8	95.8	95.8
40°	87.9	89.5	89.5	89.5
42.5°	83.3	84.8	86.3	87.9
45°	80.1	83.3	84.8	84.8
47.5°	78.5	80.1	81.7	81.7
50°	72.2	70.7	70.7	70.7
52.5°	58.1	55.0	53.4	51.8
55°	42.4	40.8	37.7	37.7
57.5°	29.9	29.9	28.3	28.3
60°	23.5	23.5	22.0	23.5
62.5°	20.4	20.4	20.4	20.4
65°	18.9	18.9	18.9	18.9
67.5°	18.9	18.9	18.9	18.9
69°	17.3	17.3	17.3	17.3
70°	17.3	17.3	17.3	17.3
72.5°	15.7	15.7	15.7	15.7
75°	14.1	15.7	15.7	15.7
77.5°	14.1	14.1	14.1	14.1
80°	12.6	12.6	14.1	14.1
82.5°	12.6	12.6	12.6	12.6
85°	11.0	11.0	12.6	12.6
87.5°	9.4	9.4	11.0	11.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)