

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: P180598

Luminaire Tested: **ICM-E05-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180598  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E05-LED-E1-SL3-HSS  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (105) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8064.3 lumens  
Efficiency: N/A  
Efficacy: 63.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 127.3  
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

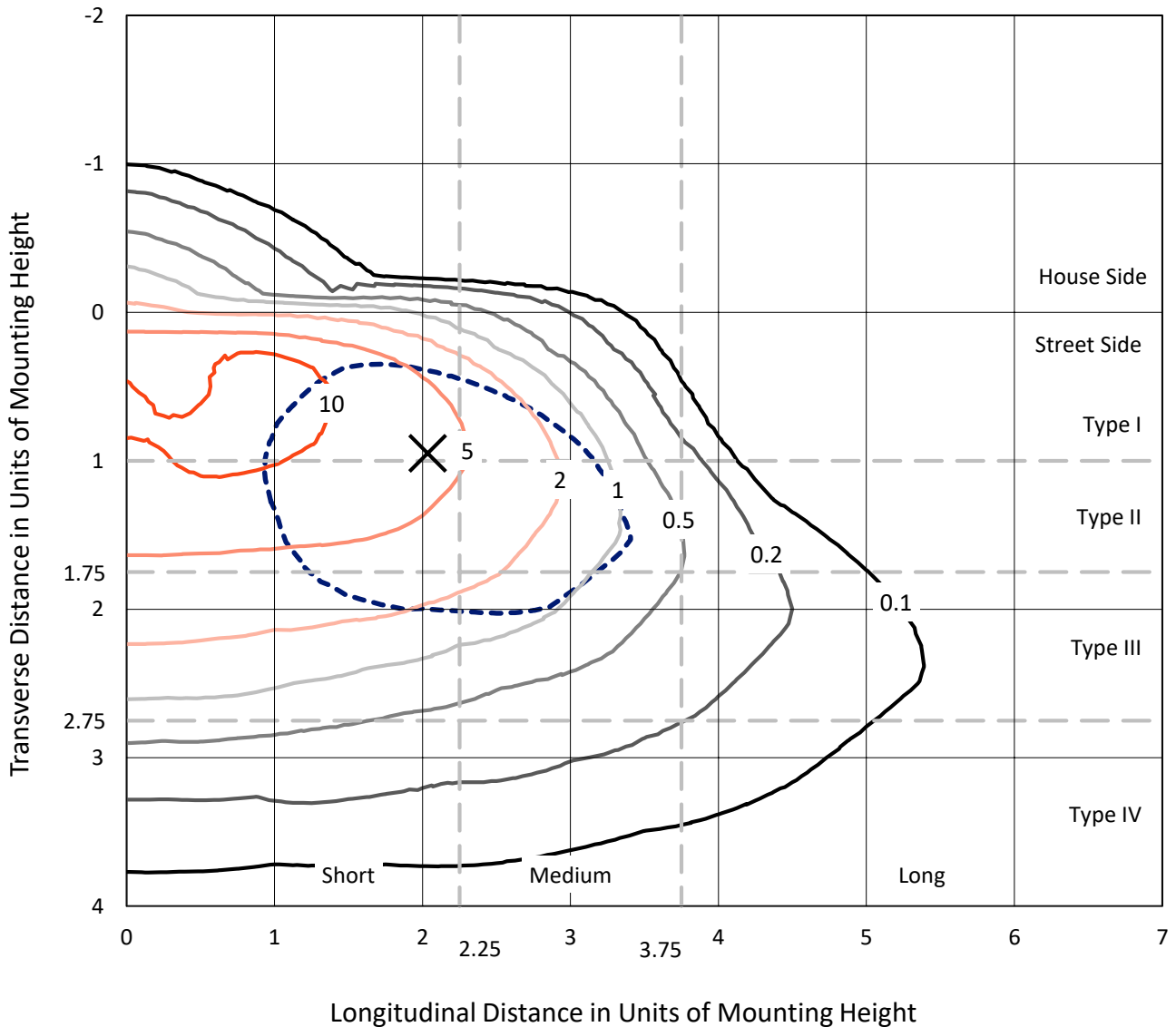


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

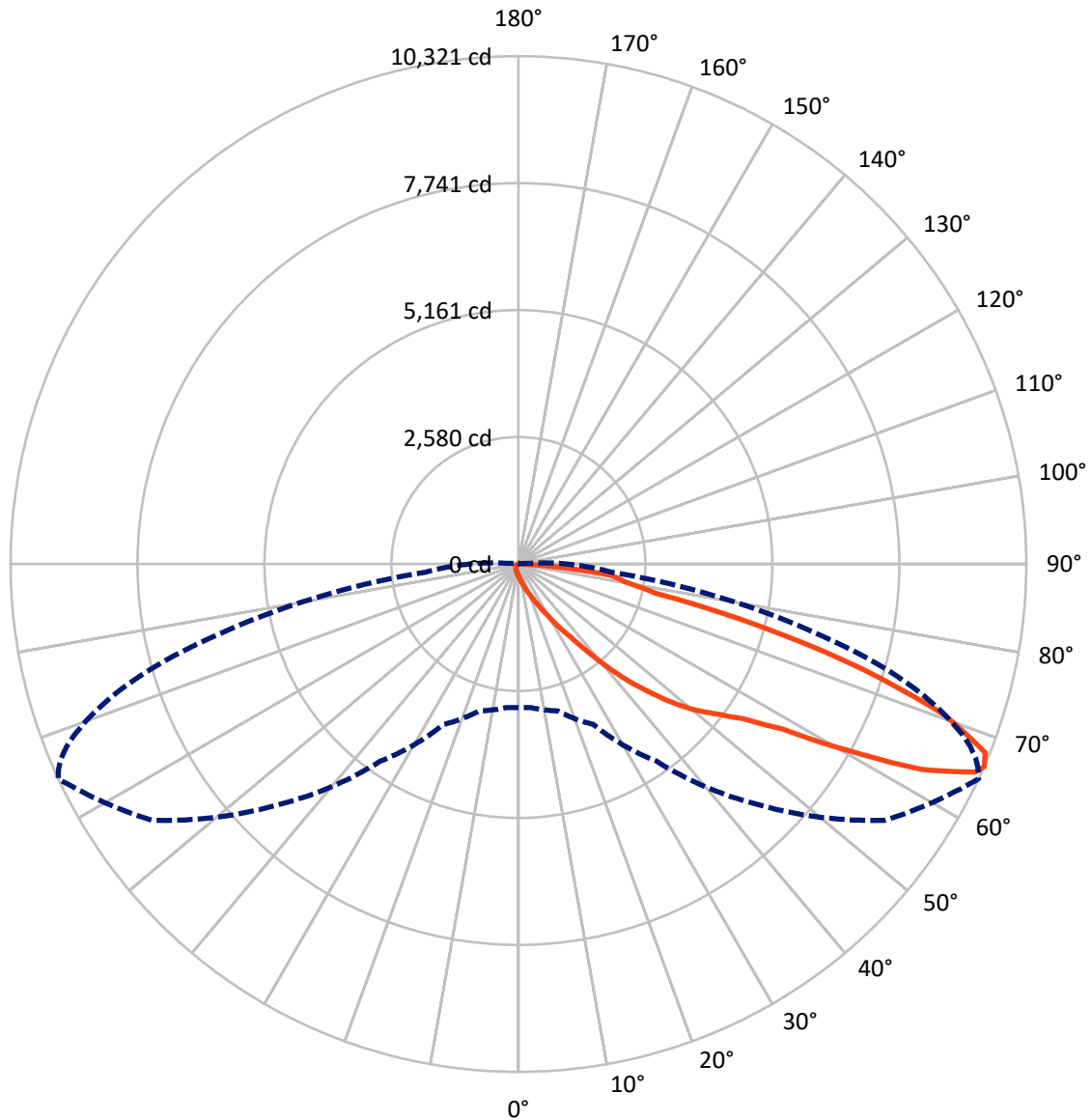


Based on 10 foot mounting height. Maximum calculated value = 13.3 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	174.8	0.0	174.8
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	7889.6	0.0	7889.6
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	8064.3	0.0	8064.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.2	0.3
10°-20°	115.5	1.4
20°-30°	249.2	3.1
30°-40°	532.2	6.6
40°-50°	1176.9	14.6
50°-60°	1994.5	24.7
60°-70°	2661.4	33.0
70°-80°	1172.3	14.5
80°-90°	135.0	1.7
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°	8064.3	100.0
0°-180°	8064.3	100.0

**Coefficient of Utilization**



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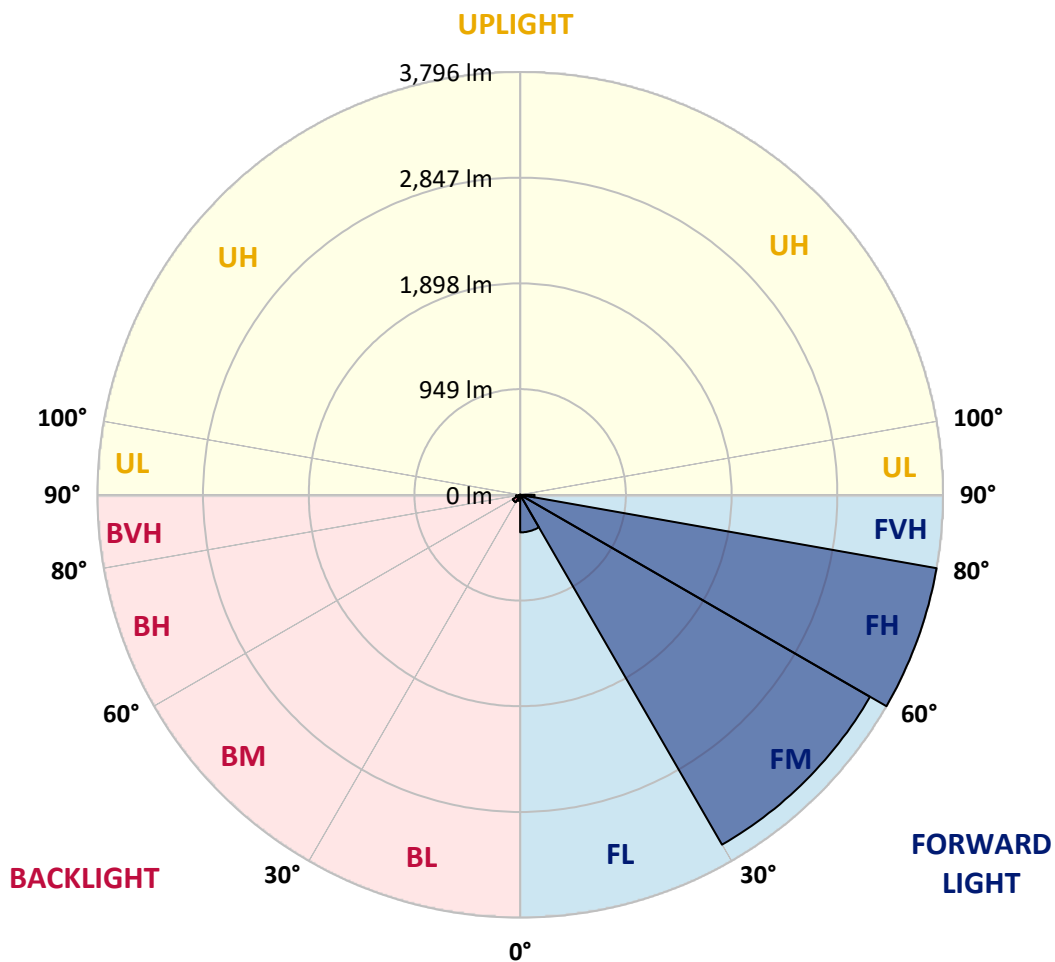
CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.8	4.2			
FM (30°-60°)	3626.8	45.0			
FH (60°-80°)	3796.3	47.1			G2/5000
FVH (80°-90°)	129.7	1.6			G2/225
BL (0°-30°)	55.1	0.7	B0/110		
BM (30°-60°)	76.7	1.0	B0/220		
BH (60°-80°)	37.5	0.5	B0/110		G0/110
BVH (80°-90°)	5.4	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	307.0	305.4	299.3	299.3	290.0	283.7	276.0	268.2	268.2	266.7	265.1
5°	406.2	396.9	395.4	378.3	364.4	344.2	325.6	300.7	297.7	294.6	293.0
7.5°	516.3	514.7	500.7	480.7	452.7	415.5	378.3	338.0	331.8	328.7	322.5
10°	658.9	651.2	632.6	598.4	556.6	507.0	446.5	383.0	375.2	369.0	365.9
12.5°	795.4	781.4	770.5	727.2	674.4	601.6	528.7	437.2	431.0	423.3	410.9
15°	922.5	910.1	891.4	854.2	795.4	703.9	618.6	507.0	491.4	480.7	471.4
17.5°	1021.7	1014.0	992.3	950.4	886.8	806.2	703.9	578.3	565.9	551.9	534.9
20°	1116.3	1105.4	1071.4	1014.0	945.8	883.7	804.7	671.4	654.2	637.2	618.6
22.5°	1206.2	1195.4	1139.5	1044.9	972.1	945.8	917.9	776.7	750.4	736.5	717.9
25°	1331.8	1308.6	1221.7	1071.4	973.7	993.8	1041.9	913.2	888.4	868.2	838.8
27.5°	1500.8	1469.8	1333.3	1110.1	979.8	1046.5	1184.5	1079.1	1052.8	1029.5	996.9
30°	1691.5	1671.4	1508.6	1203.1	1024.8	1124.0	1344.2	1290.0	1258.9	1231.0	1192.3
32.5°	1883.7	1855.8	1694.6	1379.8	1145.8	1274.4	1544.2	1534.9	1494.6	1468.2	1426.3
35°	2052.8	2038.8	1919.4	1669.8	1421.7	1538.0	1810.9	1821.7	1786.1	1758.2	1711.6
37.5°	2167.5	2167.5	2144.2	1981.4	1860.5	1947.3	2203.1	2204.7	2169.0	2105.4	2082.2
40°	2226.3	2243.5	2327.2	2358.2	2351.9	2463.5	2717.9	2690.0	2660.5	2627.9	2550.4
42.5°	2347.3	2362.8	2541.1	2755.1	2894.6	3041.9	3217.0	3207.7	3172.1	3113.2	3041.9
45°	2551.9	2572.1	2784.5	3124.0	3410.9	3620.2	3731.8	3688.4	3652.8	3597.0	3559.7
47.5°	2812.4	2851.2	3091.5	3511.6	3857.4	4203.1	4319.4	4204.7	4173.7	4130.3	4069.8
50°	3090.0	3127.2	3383.0	3863.6	4254.3	4666.7	4860.5	4666.7	4621.7	4607.7	4539.6
52.5°	3330.3	3361.2	3607.7	4134.9	4558.2	5041.9	5324.0	5068.2	5035.7	4989.1	4939.6
55°	3472.9	3497.7	3728.7	4265.1	4764.4	5379.8	5772.1	5547.3	5499.3	5480.7	5409.3
57.5°	3521.0	3545.8	3753.5	4282.2	4876.0	5688.4	6316.3	6324.0	6266.7	6200.0	6178.4
60°	3521.0	3548.9	3724.0	4240.3	4984.5	6017.1	7041.9	7688.4	7564.4	7552.0	7472.9
62.5°	3375.2	3401.6	3578.3	4111.7	5130.3	6460.5	8052.8	9193.8	9158.2	9077.5	8947.3
65°	3058.9	3074.4	3248.1	3783.0	5074.4	6868.2	8928.7	10195.4	10138.0	9979.9	9812.4
66°	2916.3	2928.7	3091.5	3595.4	4891.5	6924.0	9083.8	10321.0	10226.4	10093.1	9904.0
67.5°	2710.1	2731.8	2846.5	3246.5	4452.8	6730.3	8986.1	10232.6	10150.5	9989.2	9800.1
70°	1809.3	1793.8	2198.4	2491.5	3392.3	5483.8	8062.1	9187.7	9189.2	9113.3	9037.3
72.5°	858.9	868.2	986.1	1533.3	2220.2	3663.6	6417.1	7333.3	7438.8	7302.4	7207.8
75°	617.0	631.0	702.3	938.0	1324.0	2198.4	4159.7	5128.7	5131.8	4890.0	4674.4
77.5°	179.8	187.6	263.5	578.3	992.3	1483.7	2389.1	2851.2	2784.5	2610.9	2448.1
80°	74.4	74.4	77.5	184.5	398.4	1007.7	1671.4	2195.4	2187.6	2120.9	2024.8
82.5°	27.9	29.5	37.2	76.0	94.6	248.1	1114.7	1905.4	1900.8	1806.2	1738.0
85°	3.1	3.1	9.3	32.6	35.6	46.5	223.3	840.3	835.6	840.3	736.5
87.5°	0.0	0.0	1.6	3.1	4.7	6.2	9.3	32.6	35.6	34.1	31.0
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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CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	265.1	262.0	262.0	260.5	260.5	260.5	258.9	257.4	257.4	255.8	254.2
5°	290.0	286.8	285.3	282.1	280.7	279.1	276.0	274.4	271.4	269.8	268.2
7.5°	319.4	313.2	311.6	307.0	302.3	299.3	296.1	291.4	288.4	282.1	280.7
10°	356.6	348.8	342.6	336.5	331.8	324.0	319.4	313.2	307.0	302.3	297.7
12.5°	404.7	393.8	384.5	378.3	367.4	358.1	348.8	344.2	331.8	325.6	317.9
15°	457.4	444.9	434.1	421.7	414.0	398.4	386.0	372.1	365.9	355.1	342.6
17.5°	525.6	505.4	488.4	476.0	460.5	444.9	431.0	417.0	398.4	386.0	370.5
20°	598.4	581.4	558.1	536.5	517.9	499.3	479.1	460.5	443.4	423.3	404.7
22.5°	691.4	666.7	638.8	617.0	592.3	572.1	544.2	519.4	491.4	465.1	443.4
25°	809.3	776.7	750.4	719.4	690.0	658.9	624.8	593.8	558.1	533.3	496.1
27.5°	955.1	924.0	888.4	848.1	818.6	772.1	727.2	688.4	646.5	607.7	565.9
30°	1141.1	1096.1	1058.9	1020.2	961.2	916.3	863.5	810.9	753.5	714.7	651.2
32.5°	1364.4	1316.3	1260.5	1204.7	1150.4	1086.8	1021.7	956.6	893.0	821.7	756.6
35°	1637.2	1579.8	1516.3	1455.8	1372.1	1303.9	1221.7	1131.8	1060.5	978.3	896.1
37.5°	1998.4	1903.9	1848.1	1784.5	1671.4	1578.3	1486.8	1396.9	1271.4	1184.5	1068.2
40°	2451.2	2395.4	2303.9	2201.6	2099.3	1976.8	1852.8	1733.3	1587.6	1466.7	1331.8
42.5°	2983.0	2900.8	2807.7	2660.5	2556.6	2412.4	2271.4	2113.2	1934.9	1779.8	1621.7
45°	3482.2	3384.5	3313.2	3165.9	3057.4	2886.8	2716.3	2548.9	2342.6	2142.6	1959.7
47.5°	4021.7	3941.1	3823.3	3703.9	3593.8	3401.6	3217.0	3014.0	2796.9	2559.7	2322.5
50°	4496.1	4432.6	4351.9	4207.7	4085.3	3924.0	3707.0	3485.3	3210.9	2975.2	2705.4
52.5°	4899.3	4849.6	4736.5	4634.2	4524.0	4372.1	4178.4	3965.9	3669.8	3410.9	3103.9
55°	5375.2	5339.6	5240.3	5176.8	5079.1	4933.3	4751.9	4555.1	4241.9	3959.7	3612.4
57.5°	6155.1	6127.2	6040.3	6014.0	5917.9	5790.7	5567.5	5356.6	4990.7	4640.3	4243.5
60°	7446.6	7390.7	7263.6	7198.5	6995.4	6824.9	6534.9	6245.0	5803.1	5356.6	4879.1
62.5°	8829.5	8672.9	8431.0	8223.3	7934.9	7638.8	7251.2	6807.8	6290.0	5759.8	5210.9
65°	9575.2	9308.6	9003.1	8672.9	8299.3	7863.6	7375.2	6843.5	6286.8	5727.2	5147.3
66°	9660.5	9359.8	9035.7	8668.2	8252.8	7789.2	7293.1	6734.9	6156.6	5610.9	5031.0
67.5°	9553.5	9238.8	8896.1	8488.4	8038.8	7558.2	7037.3	6457.4	5900.8	5347.3	4783.0
70°	8804.7	8491.5	8186.1	7756.6	7277.5	6793.8	6300.8	5652.8	5125.6	4617.1	4114.7
72.5°	7031.0	6818.6	6516.3	6148.9	5682.2	5114.7	4703.9	4124.0	3666.7	3173.7	2784.5
75°	4393.8	4094.6	3721.0	3252.8	2896.1	2435.6	2195.4	1755.1	1494.6	1266.7	1046.5
77.5°	2246.5	2021.7	1759.7	1496.1	1243.4	992.3	767.4	542.6	365.9	254.2	189.1
80°	1855.8	1657.4	1440.3	1200.0	976.8	758.1	545.8	372.1	237.2	155.1	120.9
82.5°	1533.3	1365.9	1172.1	948.8	755.1	595.4	414.0	269.8	167.4	108.6	85.3
85°	652.7	592.3	457.4	362.8	272.8	201.6	141.1	94.6	66.7	54.2	49.6
87.5°	27.9	31.0	29.5	23.3	17.0	17.0	15.5	12.4	12.4	12.4	12.4
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	254.2	252.7	251.2	251.2	249.6	248.1	238.8	231.0	221.7	215.5	209.3
5°	265.1	263.5	260.5	258.9	255.8	254.2	234.1	217.0	203.1	192.3	184.5
7.5°	276.0	274.4	269.8	265.1	263.5	260.5	227.9	206.2	187.6	175.2	167.4
10°	290.0	285.3	280.7	274.4	269.8	265.1	221.7	193.8	173.7	162.8	155.1
12.5°	310.0	302.3	294.6	286.8	280.7	272.8	218.6	183.0	162.8	150.4	142.6
15°	333.3	322.5	313.2	303.9	293.0	285.3	212.4	173.7	153.5	141.1	131.8
17.5°	355.1	342.6	328.7	314.7	303.9	293.0	206.2	164.4	144.2	131.8	122.5
20°	386.0	367.4	350.4	333.3	317.9	303.9	196.9	155.1	136.5	122.5	113.2
22.5°	420.2	398.4	376.7	353.5	333.3	314.7	189.1	147.3	128.7	114.7	103.9
25°	463.5	437.2	407.7	378.3	355.1	330.2	181.4	139.5	120.9	107.0	96.1
27.5°	524.0	486.8	454.2	417.0	381.4	353.5	175.2	133.3	113.2	99.3	88.4
30°	606.2	551.9	500.7	460.5	418.6	378.3	169.0	125.6	107.0	91.4	79.1
32.5°	697.7	634.1	575.2	514.7	462.0	415.5	162.8	119.3	99.3	83.7	72.8
35°	810.9	730.2	651.2	581.4	517.9	455.8	156.6	113.2	93.0	76.0	65.1
37.5°	973.7	872.8	769.0	679.1	596.9	514.7	151.9	107.0	85.3	68.2	57.4
40°	1196.9	1066.7	939.5	817.0	710.1	607.7	145.8	100.7	79.1	62.0	51.2
42.5°	1438.8	1280.7	1113.2	975.2	827.9	699.3	139.5	94.6	72.8	55.8	44.9
45°	1739.5	1542.6	1339.5	1151.9	972.1	806.2	133.3	88.4	65.1	49.6	38.8
47.5°	2068.2	1817.0	1587.6	1351.9	1138.0	939.5	125.6	83.7	58.9	43.4	34.1
50°	2406.2	2141.1	1851.2	1583.0	1328.7	1072.8	117.9	76.0	52.7	38.8	27.9
52.5°	2770.5	2457.4	2161.2	1827.9	1531.8	1248.1	110.0	69.8	48.1	34.1	23.3
55°	3234.2	2883.7	2536.5	2162.8	1806.2	1451.2	102.3	62.0	41.9	29.5	18.6
57.5°	3817.0	3401.6	2975.2	2553.5	2120.9	1717.9	96.1	54.2	35.6	24.8	15.5
60°	4367.5	3882.2	3365.9	2880.7	2392.3	1922.5	86.8	48.1	31.0	20.2	15.5
62.5°	4652.8	4099.3	3542.6	3007.7	2486.8	1995.4	77.5	40.3	26.3	17.0	14.0
65°	4583.0	4018.6	3479.1	2939.6	2429.5	1948.8	68.2	35.6	23.3	15.5	14.0
66°	4482.2	3924.0	3381.4	2868.2	2381.4	1899.3	63.5	34.1	21.7	15.5	12.4
67.5°	4262.1	3722.5	3204.7	2727.2	2249.6	1804.7	57.4	31.0	20.2	14.0	12.4
70°	3640.3	3150.4	2736.5	2311.6	1922.5	1520.9	46.5	26.3	17.0	12.4	12.4
72.5°	2409.3	2076.0	1800.0	1548.8	1294.6	1004.7	38.8	21.7	14.0	12.4	10.9
75°	908.6	821.7	705.4	634.1	553.5	485.3	31.0	14.0	10.9	10.9	10.9
77.5°	161.2	148.8	131.8	120.9	111.6	102.3	24.8	9.3	9.3	10.9	10.9
80°	108.6	100.7	91.4	83.7	77.5	69.8	17.0	7.7	9.3	9.3	10.9
82.5°	77.5	72.8	68.2	62.0	57.4	51.2	10.9	7.7	9.3	9.3	9.3
85°	46.5	43.4	40.3	37.2	32.6	31.0	7.7	7.7	7.7	9.3	9.3
87.5°	12.4	10.9	12.4	12.4	9.3	10.9	6.2	6.2	6.2	7.7	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):**

	145°	155°	165°	175°	180°
0°	243.4	243.4	243.4	243.4	243.4
2.5°	206.2	206.2	203.1	207.7	207.7
5°	178.3	178.3	176.7	178.3	178.3
7.5°	162.8	161.2	161.2	161.2	162.8
10°	148.8	147.3	147.3	147.3	147.3
12.5°	136.5	134.9	133.3	134.9	134.9
15°	125.6	122.5	122.5	122.5	122.5
17.5°	116.3	113.2	111.6	111.6	111.6
20°	107.0	102.3	102.3	102.3	102.3
22.5°	97.7	93.0	93.0	93.0	93.0
25°	88.4	83.7	83.7	83.7	83.7
27.5°	80.7	76.0	76.0	76.0	76.0
30°	71.3	68.2	68.2	69.8	68.2
32.5°	65.1	60.5	60.5	62.0	62.0
35°	57.4	54.2	54.2	54.2	54.2
37.5°	49.6	46.5	46.5	46.5	46.5
40°	43.4	40.3	38.8	40.3	40.3
42.5°	37.2	34.1	32.6	32.6	32.6
45°	32.6	27.9	26.3	27.9	27.9
47.5°	26.3	23.3	23.3	24.8	24.8
50°	20.2	20.2	21.7	24.8	24.8
52.5°	18.6	18.6	21.7	24.8	24.8
55°	17.0	18.6	21.7	23.3	24.8
57.5°	15.5	18.6	21.7	23.3	23.3
60°	15.5	17.0	20.2	23.3	23.3
62.5°	14.0	15.5	18.6	21.7	21.7
65°	14.0	15.5	18.6	21.7	21.7
66°	14.0	15.5	18.6	21.7	21.7
67.5°	14.0	15.5	18.6	21.7	21.7
70°	14.0	15.5	18.6	20.2	20.2
72.5°	12.4	14.0	17.0	20.2	20.2
75°	12.4	14.0	17.0	20.2	20.2
77.5°	12.4	14.0	17.0	20.2	20.2
80°	12.4	14.0	17.0	18.6	20.2
82.5°	10.9	14.0	15.5	18.6	18.6
85°	10.9	12.4	15.5	17.0	18.6
87.5°	9.3	10.9	12.4	15.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)