

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: P180438

Luminaire Tested: **ICS-E03-LED-E1-SL2-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180438  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E03-LED-E1-SL2-HSS  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

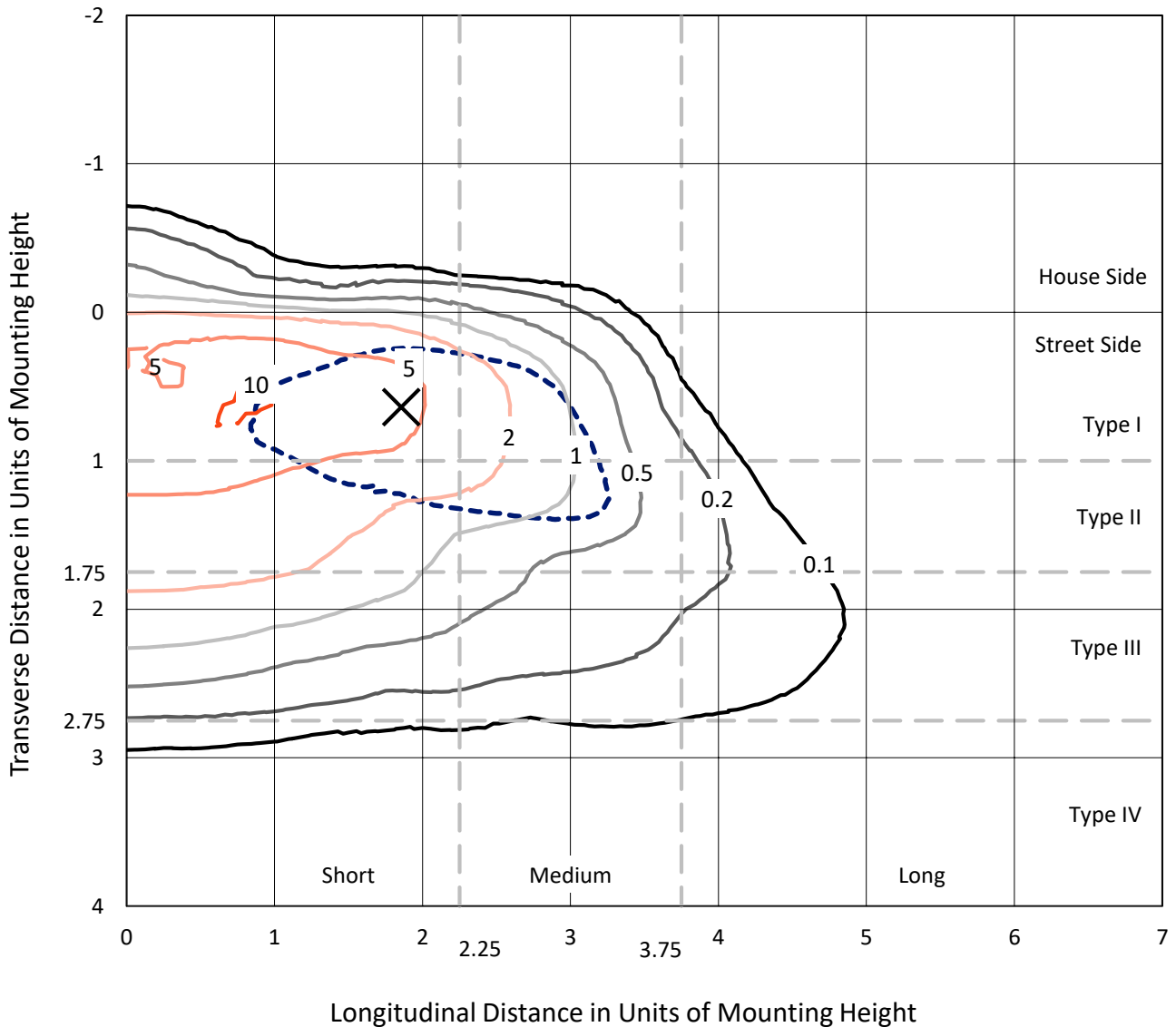
Lumens per Lamp: N/A  
Luminaire Lumens: 4950.9 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
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

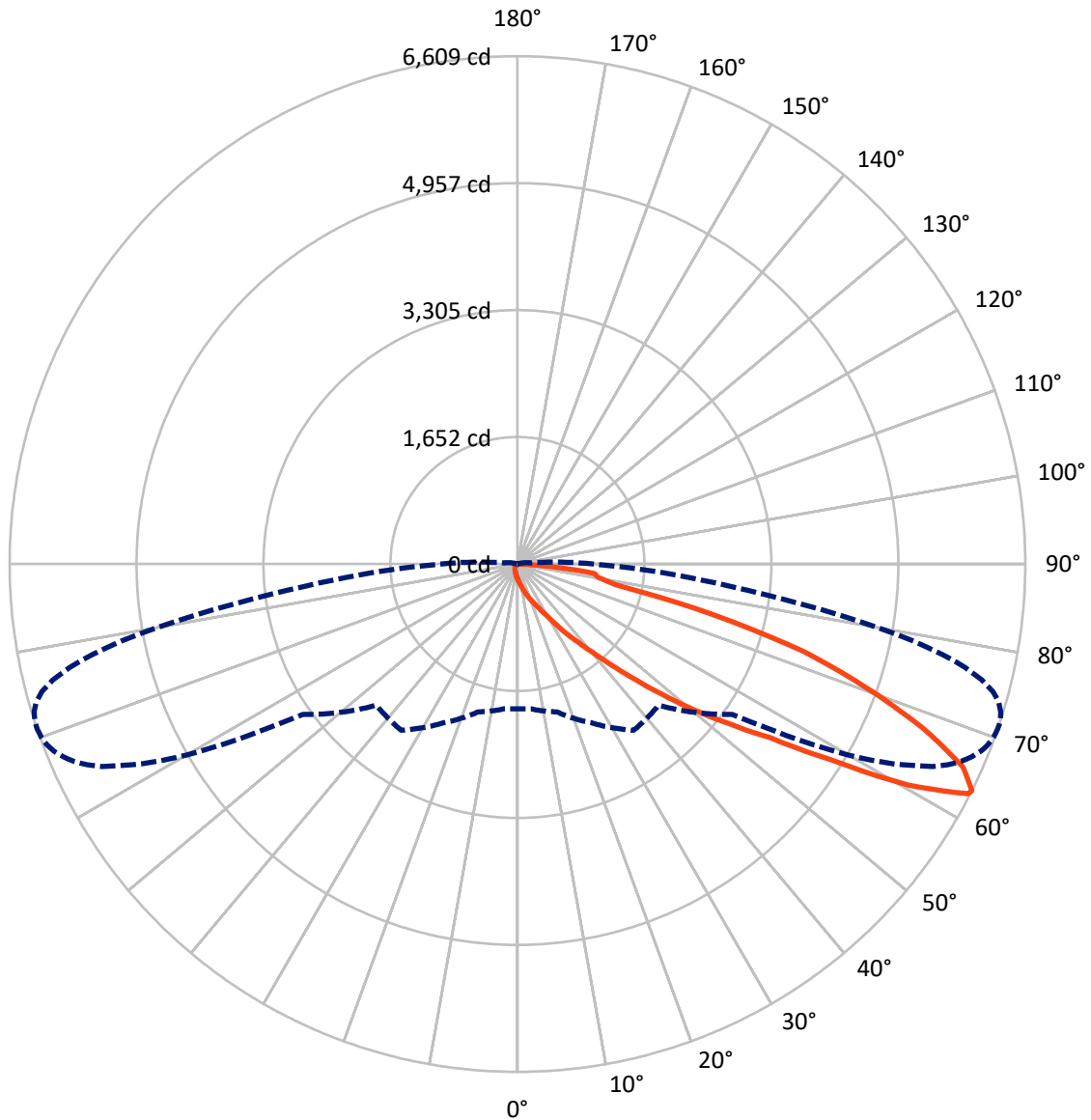
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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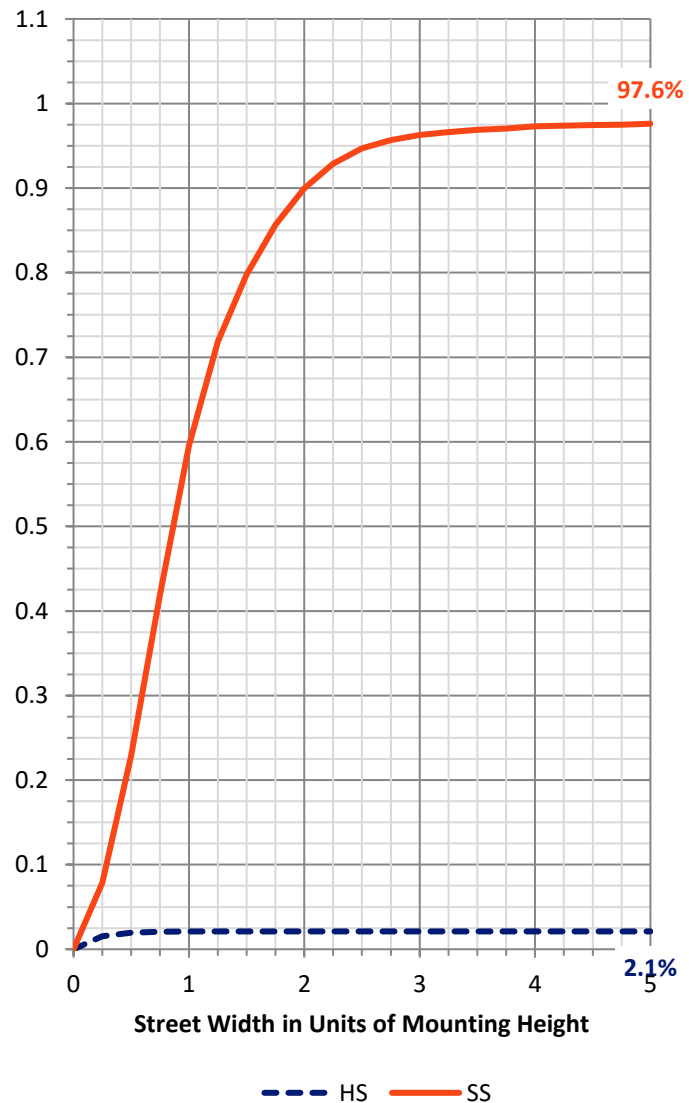
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	105.1	0.0	105.1
	% Fixture	2.1	0.0	2.1
<b>Street Side</b>	Lumens	4845.8	0.0	4845.8
	% Fixture	97.9	0.0	97.9
<b>Total</b>	Lumens	4950.9	0.0	4950.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.0	0.4
10°-20°	81.4	1.6
20°-30°	165.3	3.3
30°-40°	404.0	8.2
40°-50°	903.5	18.2
50°-60°	1270.4	25.7
60°-70°	1493.8	30.2
70°-80°	539.4	10.9
80°-90°	72.1	1.5
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°	4950.9	100.0
0°-180°	4950.9	100.0



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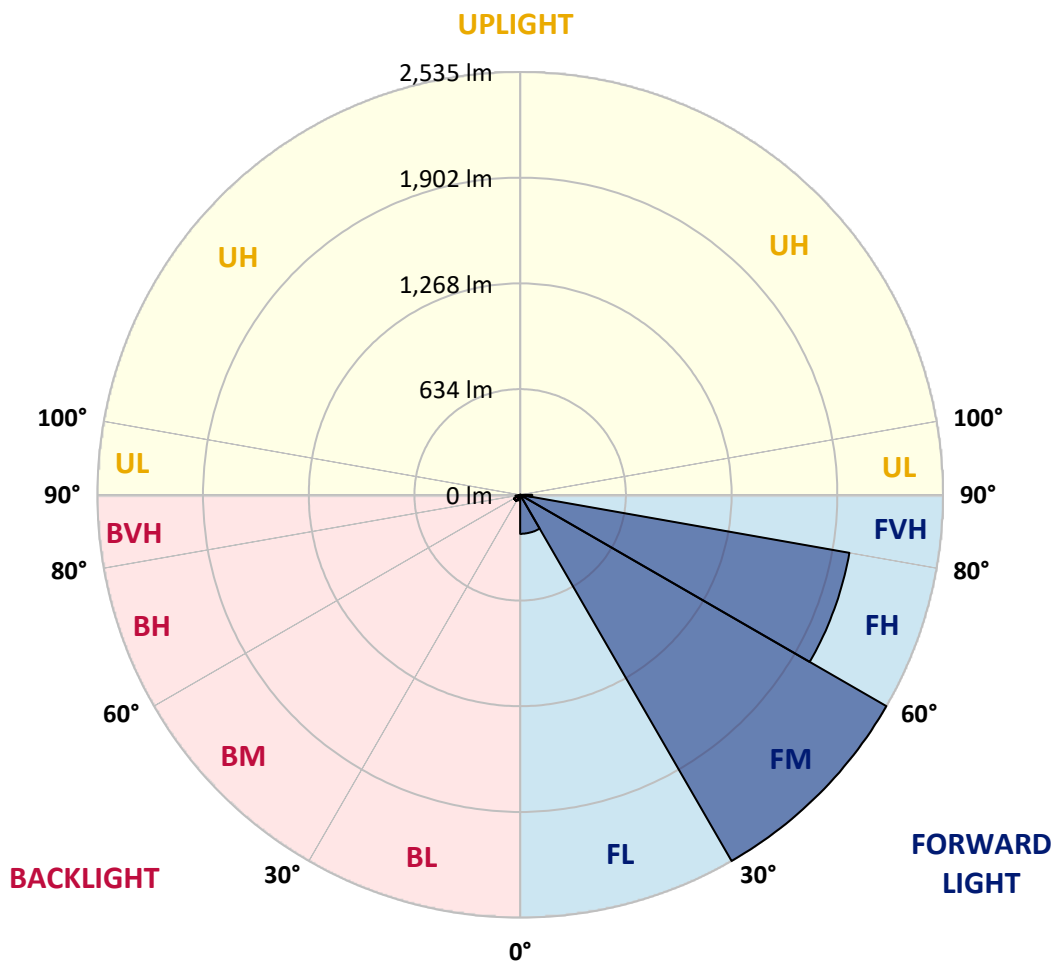
CATALOG NUMBER: ICS-E03-LED-E1-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.9	4.7			
FM (30°-60°)	2535.4	51.2			
FH (60°-80°)	2004.4	40.5			G2/5000
FVH (80°-90°)	72.0	1.5			G1/100
BL (0°-30°)	33.8	0.7	B0/110		
BM (30°-60°)	42.3	0.9	B0/220		
BH (60°-80°)	28.8	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9
2.5°	248.4	251.1	249.3	244.8	239.4	232.2	225.9	225.9	225.0	222.3	223.2
5°	325.8	326.7	323.1	312.3	302.4	287.1	270.0	268.2	266.4	263.7	262.8
7.5°	401.4	405.0	401.4	389.7	369.9	346.5	319.5	316.8	311.4	311.4	307.8
10°	478.8	478.8	475.2	461.7	443.7	410.4	376.2	371.7	365.4	363.6	358.2
12.5°	533.7	533.7	531.9	524.7	510.3	480.6	439.2	434.7	426.6	423.9	417.6
15°	555.3	555.3	556.2	562.5	563.4	549.9	506.7	503.1	495.0	487.8	485.1
17.5°	568.8	567.9	567.9	576.9	593.1	602.1	574.2	570.6	561.6	558.0	549.0
20°	598.5	596.7	591.3	591.3	606.6	638.1	638.1	637.2	627.3	624.6	620.1
22.5°	642.6	640.8	624.6	611.1	618.3	657.9	694.8	693.0	689.4	685.8	683.1
25°	714.6	708.3	680.4	640.8	634.5	676.8	738.0	742.5	745.2	745.2	747.0
27.5°	823.5	815.4	765.9	692.1	664.2	707.4	785.7	794.7	802.8	804.6	812.7
30°	974.8	960.4	889.2	781.2	717.3	752.4	855.9	865.8	877.5	881.1	893.7
32.5°	1223.2	1215.1	1146.7	984.7	847.8	840.6	954.1	966.7	982.0	988.3	1003.6
35°	1601.2	1603.0	1547.2	1401.4	1212.4	1113.4	1129.6	1140.4	1145.8	1164.7	1172.8
37.5°	1857.7	1862.2	1874.8	1817.2	1682.2	1581.4	1454.5	1466.2	1438.3	1441.0	1441.9
40°	1998.1	2012.5	2086.3	2142.1	2131.3	2072.8	1971.1	1977.4	1925.2	1913.5	1856.8
42.5°	2091.7	2110.6	2228.5	2401.3	2489.5	2542.6	2519.2	2516.5	2476.0	2460.7	2413.0
45°	2150.2	2167.3	2315.8	2570.5	2774.0	2928.8	2992.7	2999.9	2965.7	2950.4	2910.8
47.5°	2147.5	2167.3	2326.6	2633.5	2933.3	3180.8	3360.8	3369.8	3390.5	3377.0	3379.7
50°	2028.7	2047.6	2207.8	2526.4	2886.5	3296.0	3625.4	3654.2	3687.5	3710.0	3720.8
52.5°	1884.7	1898.2	2040.4	2342.8	2686.6	3248.3	3782.0	3831.5	3881.0	3923.3	3953.0
55°	1831.6	1846.9	1958.5	2209.6	2526.4	3048.5	3854.9	3927.8	3998.0	4067.3	4124.0
57.5°	1859.5	1873.9	1954.0	2146.6	2431.0	2837.9	3875.6	3989.0	4104.2	4216.7	4328.3
60°	1962.1	1977.4	2045.8	2205.1	2405.8	2716.3	3794.6	3982.7	4174.4	4370.6	4555.1
62.5°	1921.6	1927.9	2028.7	2307.7	2585.8	2612.8	3500.3	3763.1	4055.6	4358.0	4656.0
63°	1882.9	1890.1	1992.7	2279.8	2640.7	2597.5	3409.4	3686.6	3995.3	4321.1	4645.2
65°	1707.4	1708.3	1786.6	2013.4	2579.5	2624.5	3004.4	3269.0	3623.6	4014.2	4423.7
67.5°	1274.5	1268.2	1343.8	1516.6	2025.1	2625.4	2578.6	2727.1	2973.8	3320.3	3687.5
70°	451.8	441.9	564.3	803.7	1261.9	2147.5	2215.9	2225.8	2294.2	2481.4	2711.8
72.5°	146.7	149.4	180.0	294.3	581.4	1445.5	2006.2	1975.6	1957.6	1956.7	1987.3
75°	58.5	59.4	72.0	130.5	261.0	696.6	1756.9	1774.0	1780.3	1789.3	1799.2
77.5°	27.9	30.6	40.5	72.9	129.6	344.7	1257.4	1402.3	1485.1	1549.0	1587.7
80°	9.9	11.7	22.5	45.0	60.3	158.4	662.4	799.2	920.8	1077.4	1212.4
82.5°	0.0	0.0	4.5	31.5	33.3	63.9	271.8	318.6	364.5	472.5	606.6
85°	0.0	0.0	0.0	9.0	9.9	10.8	91.8	110.7	124.2	144.9	167.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.7	5.4	13.5	20.7
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9
2.5°	221.4	220.5	220.5	218.7	217.8	216.0	215.1	212.4	211.5	211.5	211.5
5°	261.9	258.3	256.5	252.0	249.3	248.4	243.9	242.1	239.4	240.3	235.8
7.5°	306.9	300.6	297.9	291.6	289.8	283.5	281.7	277.2	274.5	269.1	267.3
10°	356.4	348.3	343.8	333.9	331.2	326.7	321.3	315.9	311.4	306.0	303.3
12.5°	413.1	405.9	402.3	388.8	382.5	376.2	369.0	361.8	354.6	350.1	343.8
15°	479.7	468.0	464.4	451.8	441.0	432.9	423.0	414.0	408.6	399.6	393.3
17.5°	545.4	533.7	531.0	512.1	500.4	495.0	484.2	472.5	462.6	453.6	443.7
20°	611.1	603.0	595.8	577.8	565.2	556.2	541.8	530.1	522.0	509.4	496.8
22.5°	676.8	668.7	663.3	644.4	632.7	620.1	607.5	594.9	583.2	567.9	553.5
25°	744.3	738.9	736.2	719.1	708.3	696.6	684.0	669.6	655.2	638.1	622.8
27.5°	814.5	816.3	810.9	807.3	795.6	787.5	767.7	757.8	747.0	726.3	707.4
30°	903.6	909.0	907.2	909.9	902.7	897.3	882.0	869.4	856.8	837.0	815.4
32.5°	1016.2	1023.4	1027.0	1036.9	1033.3	1031.5	1027.0	1009.0	1000.0	965.8	956.8
35°	1189.9	1186.3	1201.6	1209.7	1206.1	1204.3	1198.9	1189.0	1178.2	1153.9	1131.4
37.5°	1415.8	1419.4	1424.8	1408.6	1397.8	1396.9	1380.7	1370.8	1355.5	1328.5	1301.5
40°	1829.8	1807.3	1782.1	1713.7	1684.0	1666.9	1619.2	1605.7	1579.6	1542.7	1514.8
42.5°	2368.0	2345.5	2269.9	2155.6	2094.4	2009.8	1971.1	1923.4	1886.5	1826.2	1793.8
45°	2902.7	2837.9	2828.9	2695.6	2620.0	2508.4	2439.1	2359.0	2275.3	2196.1	2138.5
47.5°	3353.6	3339.2	3295.1	3214.1	3143.9	3050.3	2961.2	2837.9	2751.4	2638.9	2535.4
50°	3714.5	3713.6	3697.4	3650.6	3592.1	3516.5	3438.2	3333.8	3235.7	3098.0	2987.3
52.5°	3984.5	3998.9	4004.3	3989.9	3967.4	3900.8	3861.2	3773.9	3691.1	3574.1	3454.4
55°	4182.5	4235.6	4262.6	4293.2	4286.9	4263.5	4261.7	4205.0	4167.2	4074.5	3989.9
57.5°	4427.3	4514.6	4598.4	4746.9	4752.3	4804.5	4831.5	4858.5	4865.7	4828.8	4800.9
60°	4738.8	4917.0	5075.4	5385.9	5466.9	5594.7	5677.5	5767.5	5844.0	5850.3	5848.5
62.5°	4958.4	5232.9	5488.5	5949.3	6106.8	6254.4	6365.1	6452.5	6505.6	6559.6	6584.8
63°	4964.7	5265.3	5537.1	6012.3	6177.9	6318.3	6423.6	6504.7	6560.5	6592.9	6609.1
65°	4812.6	5177.1	5501.1	5974.5	6130.2	6271.5	6326.4	6379.5	6406.5	6419.1	6371.4
67.5°	4079.0	4435.4	4813.5	5342.7	5475.9	5645.1	5690.1	5717.1	5729.7	5727.0	5686.5
70°	3050.3	3349.1	3769.4	4374.2	4550.6	4716.3	4818.9	4863.0	4877.4	4872.9	4812.6
72.5°	2129.5	2305.0	2651.5	3324.8	3565.1	3777.5	3904.4	3970.1	3983.6	3956.6	3900.8
75°	1788.4	1797.4	1875.7	2243.8	2468.8	2695.6	2838.8	2880.2	2853.2	2771.3	2629.0
77.5°	1596.7	1616.5	1616.5	1671.4	1715.5	1778.5	1792.0	1691.2	1574.2	1423.0	1300.6
80°	1339.3	1408.6	1457.2	1497.7	1502.2	1489.6	1456.3	1399.6	1309.6	1194.4	1066.6
82.5°	813.6	950.5	1006.3	1215.1	1317.7	1387.0	1381.6	1306.0	1237.6	1117.9	1009.0
85°	205.2	221.4	240.3	312.3	350.1	427.5	476.1	498.6	506.7	465.3	421.2
87.5°	19.8	13.5	22.5	17.1	24.3	18.0	24.3	22.5	27.9	29.7	32.4
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9
2.5°	209.7	208.8	207.9	207.0	206.1	205.2	203.4	203.4	201.6	200.7	199.8
5°	233.1	231.3	230.4	228.6	225.9	224.1	221.4	217.8	215.1	214.2	212.4
7.5°	262.8	258.3	256.5	253.8	250.2	244.8	241.2	238.5	234.0	231.3	225.9
10°	296.1	291.6	286.2	280.8	275.4	269.1	264.6	261.0	253.8	250.2	243.9
12.5°	338.4	330.3	324.0	316.8	309.6	302.4	297.0	286.2	279.9	271.8	266.4
15°	381.6	374.4	367.2	358.2	347.4	335.7	330.3	320.4	312.3	299.7	292.5
17.5°	433.8	420.3	409.5	398.7	388.8	378.0	367.2	351.9	340.2	329.4	315.0
20°	485.1	468.9	457.2	442.8	428.4	411.3	398.7	387.9	371.7	357.3	342.0
22.5°	540.0	523.8	504.9	490.5	470.7	457.2	440.1	422.1	405.9	387.0	368.1
25°	606.6	589.5	567.9	549.0	526.5	507.6	486.9	466.2	446.4	424.8	400.5
27.5°	688.5	670.5	647.1	624.6	594.9	571.5	551.7	523.8	498.6	471.6	443.7
30°	792.0	772.2	743.4	711.0	681.3	655.2	627.3	590.4	562.5	530.1	494.1
32.5°	927.1	903.6	864.9	834.3	797.4	763.2	724.5	687.6	648.0	605.7	564.3
35°	1097.2	1075.6	1030.6	985.6	945.1	904.5	855.9	813.6	757.8	706.5	653.4
37.5°	1273.6	1234.9	1193.5	1144.9	1094.5	1045.9	986.5	928.0	864.0	808.2	741.6
40°	1475.2	1428.4	1394.2	1342.0	1270.9	1201.6	1146.7	1073.8	993.7	918.9	840.6
42.5°	1751.5	1699.3	1638.1	1558.9	1507.6	1426.6	1355.5	1269.1	1163.8	1080.1	985.6
45°	2071.0	1999.9	1940.5	1864.0	1801.9	1701.1	1618.3	1503.1	1397.8	1288.0	1172.8
47.5°	2435.5	2347.3	2260.9	2185.3	2086.3	1987.3	1882.0	1759.6	1624.6	1504.0	1367.2
50°	2854.1	2728.9	2609.2	2512.0	2376.1	2261.8	2147.5	2009.8	1860.4	1721.8	1566.1
52.5°	3319.4	3174.5	3016.1	2866.7	2709.1	2562.4	2424.7	2266.3	2099.8	1930.6	1756.9
55°	3881.0	3772.1	3585.8	3395.9	3185.3	2989.1	2811.8	2615.5	2413.0	2190.7	2008.0
57.5°	4760.4	4707.3	4551.5	4361.6	4087.1	3848.6	3548.0	3307.7	3014.3	2708.2	2472.4
60°	5952.0	5886.3	5799.0	5645.1	5427.3	5103.3	4772.1	4398.5	3952.1	3528.2	3125.9
62.5°	6587.5	6564.1	6493.0	6386.7	6183.3	5927.7	5593.8	5183.4	4679.4	4164.5	3651.5
63°	6606.4	6576.7	6515.5	6407.4	6228.3	5980.8	5653.2	5254.5	4761.3	4236.5	3712.7
65°	6350.7	6339.0	6276.9	6159.0	6036.6	5847.6	5593.8	5250.9	4836.9	4340.9	3819.8
67.5°	5632.5	5597.4	5502.0	5466.0	5380.5	5249.1	5055.6	4819.8	4523.6	4133.9	3683.9
70°	4764.0	4711.8	4592.0	4528.1	4423.7	4340.9	4223.0	4054.7	3872.0	3600.2	3264.5
72.5°	3843.2	3735.2	3625.4	3458.9	3313.1	3165.5	3035.0	2916.2	2715.4	2605.6	2350.9
75°	2495.8	2299.6	2111.5	1859.5	1632.7	1432.0	1236.7	1137.7	931.6	847.8	728.1
77.5°	1184.5	1074.7	927.1	812.7	666.9	544.5	444.6	333.9	261.9	205.2	156.6
80°	955.9	863.1	774.0	670.5	560.7	447.3	342.9	256.5	181.8	126.0	89.1
82.5°	852.3	751.5	641.7	570.6	495.9	405.9	333.0	271.8	200.7	146.7	99.9
85°	331.2	279.0	215.1	175.5	136.8	112.5	101.7	70.2	54.9	43.2	33.3
87.5°	28.8	23.4	18.9	12.6	13.5	7.2	8.1	5.4	4.5	4.5	3.6
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9
2.5°	198.9	198.0	197.1	195.3	195.3	193.5	192.6	191.7	187.2	177.3	169.2
5°	208.8	207.0	205.2	202.5	200.7	198.0	196.2	193.5	183.6	164.7	148.5
7.5°	223.2	219.6	216.9	211.5	208.8	205.2	202.5	198.0	181.8	153.0	130.5
10°	240.3	234.0	229.5	223.2	217.8	213.3	208.8	202.5	180.0	140.4	114.3
12.5°	261.0	253.8	244.8	237.6	230.4	224.1	217.8	209.7	177.3	129.6	101.7
15°	281.7	270.9	264.6	254.7	244.8	235.8	226.8	219.6	178.2	117.9	90.9
17.5°	305.1	294.3	280.8	270.0	259.2	247.5	236.7	222.3	173.7	108.9	82.8
20°	327.6	312.3	299.7	286.2	270.9	256.5	243.0	230.4	170.1	99.9	75.6
22.5°	351.9	333.9	317.7	300.6	281.7	265.5	249.3	233.1	163.8	91.8	69.3
25°	381.6	360.9	337.5	316.8	297.0	277.2	256.5	236.7	157.5	84.6	64.8
27.5°	417.6	390.6	367.2	341.1	313.2	288.0	265.5	243.9	151.2	79.2	60.3
30°	463.5	432.0	398.7	365.4	335.7	306.9	275.4	248.4	144.9	73.8	55.8
32.5°	524.7	485.1	444.6	405.9	366.3	329.4	296.1	261.0	141.3	69.3	51.3
35°	605.7	554.4	504.9	456.3	408.6	363.6	320.4	280.8	141.3	63.9	45.9
37.5°	682.2	622.8	559.8	499.5	442.8	390.6	339.3	291.6	134.1	59.4	41.4
40°	765.0	693.9	620.1	549.0	480.6	415.8	357.3	302.4	127.8	54.0	36.9
42.5°	891.9	801.9	705.6	622.8	540.9	460.8	387.9	323.1	119.7	48.6	32.4
45°	1058.5	944.2	830.7	729.9	625.5	527.4	441.0	360.9	117.9	44.1	27.9
47.5°	1236.7	1101.7	968.5	839.7	717.3	603.0	499.5	403.2	117.9	39.6	24.3
50°	1414.0	1244.8	1102.6	953.2	815.4	680.4	557.1	447.3	118.8	36.0	19.8
52.5°	1574.2	1393.3	1234.0	1061.2	909.0	752.4	618.3	490.5	117.0	31.5	16.2
55°	1796.5	1584.1	1399.6	1208.8	1030.6	854.1	702.0	555.3	117.9	27.9	13.5
57.5°	2206.0	1956.7	1734.4	1484.2	1279.0	1051.3	866.7	688.5	128.7	23.4	9.9
60°	2793.8	2469.7	2157.4	1852.3	1591.3	1320.4	1081.0	871.2	151.2	18.9	7.2
62.5°	3188.9	2765.0	2392.3	2055.7	1752.4	1468.9	1207.9	969.4	166.5	15.3	4.5
63°	3229.4	2791.1	2416.6	2069.2	1759.6	1476.1	1213.3	976.6	167.4	14.4	4.5
65°	3305.9	2836.1	2430.1	2071.9	1752.4	1466.2	1209.7	975.7	169.2	11.7	3.6
67.5°	3218.6	2766.8	2351.8	1994.5	1689.4	1407.7	1164.7	939.7	168.3	8.1	2.7
70°	2878.4	2503.9	2139.4	1806.4	1529.2	1274.5	1060.3	856.8	154.8	5.4	1.8
72.5°	2113.3	1858.6	1576.0	1335.7	1152.1	956.8	816.3	643.5	119.7	3.6	0.9
75°	626.4	570.6	479.7	423.0	373.5	308.7	274.5	214.2	61.2	1.8	0.0
77.5°	125.1	113.4	101.7	92.7	87.3	74.7	71.1	58.5	25.2	0.9	0.0
80°	65.7	54.0	45.9	40.5	35.1	28.8	24.3	19.8	4.5	0.0	0.0
82.5°	63.0	42.3	30.6	25.2	21.6	17.1	13.5	9.9	2.7	0.0	0.0
85°	23.4	18.0	13.5	10.8	9.0	8.1	6.3	5.4	0.0	0.0	0.0
87.5°	3.6	2.7	2.7	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0
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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**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	189.9	189.9	189.9	189.9	189.9	189.9	189.9
2.5°	161.1	153.9	150.3	145.8	145.8	144.9	146.7
5°	134.1	124.2	117.0	111.6	112.5	109.8	110.7
7.5°	113.4	103.5	97.2	93.6	92.7	91.8	91.8
10°	98.1	89.1	83.7	81.0	80.1	80.1	80.1
12.5°	87.3	78.3	73.8	72.0	72.0	71.1	71.1
15°	78.3	71.1	66.6	64.8	64.8	63.9	64.8
17.5°	71.1	63.9	60.3	58.5	58.5	57.6	57.6
20°	64.8	58.5	54.9	52.2	52.2	51.3	52.2
22.5°	59.4	53.1	48.6	46.8	45.9	45.0	45.9
25°	54.0	47.7	43.2	40.5	39.6	39.6	38.7
27.5°	49.5	43.2	37.8	35.1	34.2	34.2	33.3
30°	45.0	37.8	32.4	29.7	28.8	28.8	28.8
32.5°	40.5	32.4	27.9	25.2	24.3	24.3	24.3
35°	36.0	27.9	23.4	20.7	19.8	19.8	19.8
37.5°	30.6	23.4	18.0	16.2	15.3	14.4	14.4
40°	26.1	18.0	13.5	11.7	9.9	9.9	9.9
42.5°	21.6	14.4	9.9	7.2	6.3	5.4	6.3
45°	18.0	10.8	6.3	3.6	2.7	2.7	2.7
47.5°	14.4	7.2	2.7	0.9	0.9	0.9	0.9
50°	10.8	4.5	0.9	0.0	0.0	0.9	0.9
52.5°	8.1	2.7	0.0	0.0	0.0	0.0	0.0
55°	4.5	0.9	0.0	0.0	0.0	0.0	0.0
57.5°	2.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.9	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)