

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: P180596

Luminaire Tested: **ICM-E05-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180596
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-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6806.2 lumens
Efficiency: N/A
Efficacy: 53.5 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

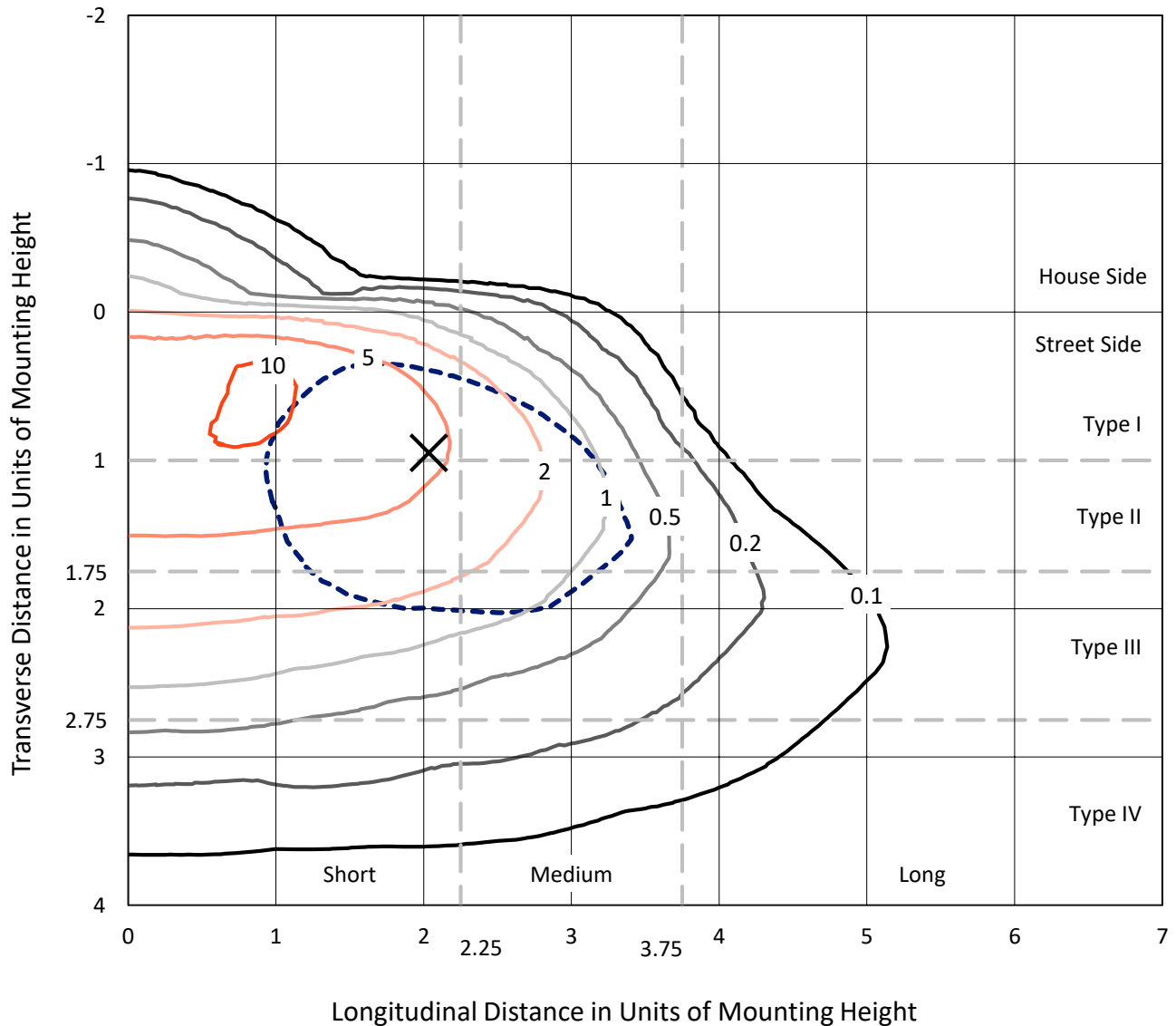
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

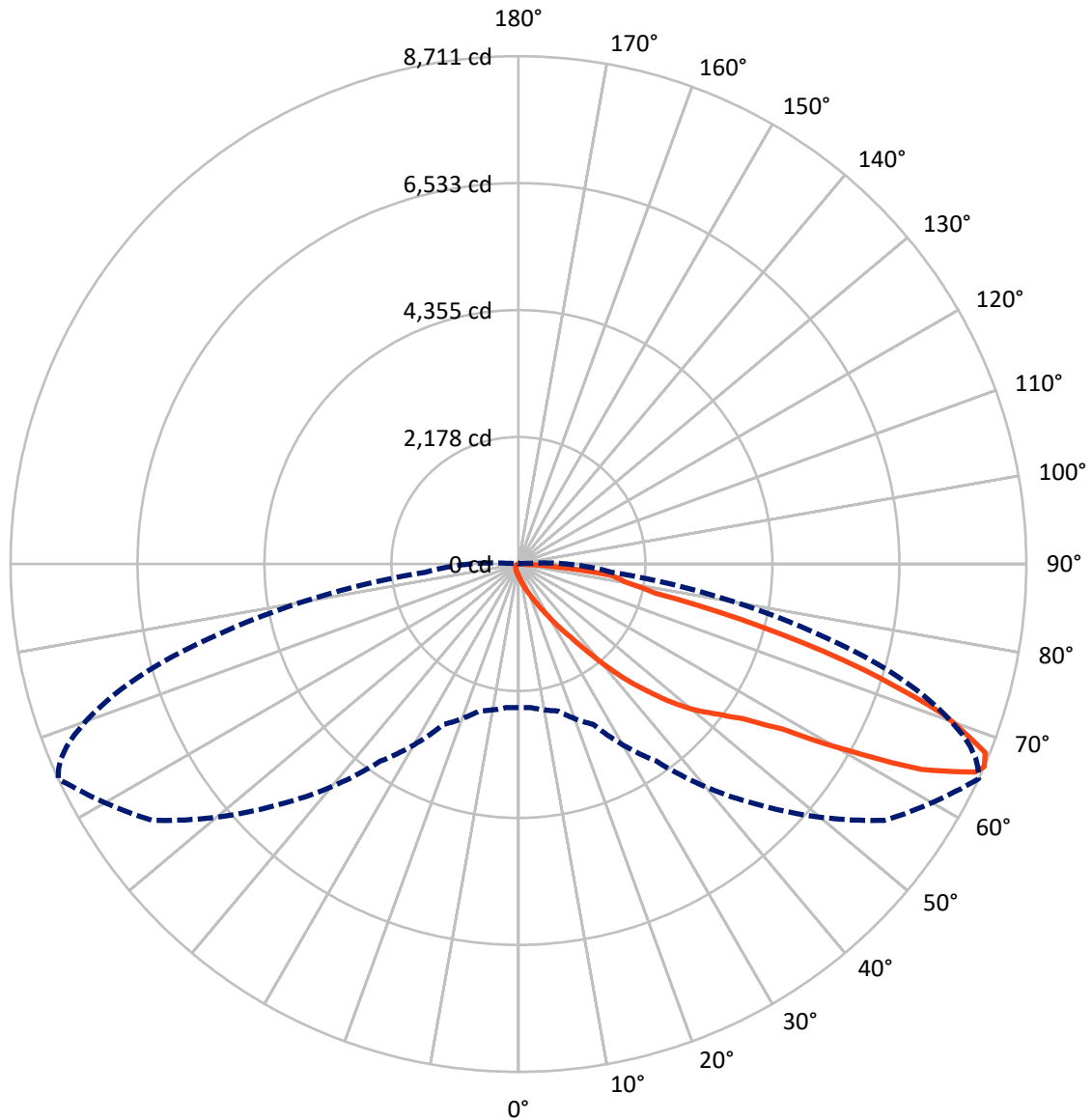
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 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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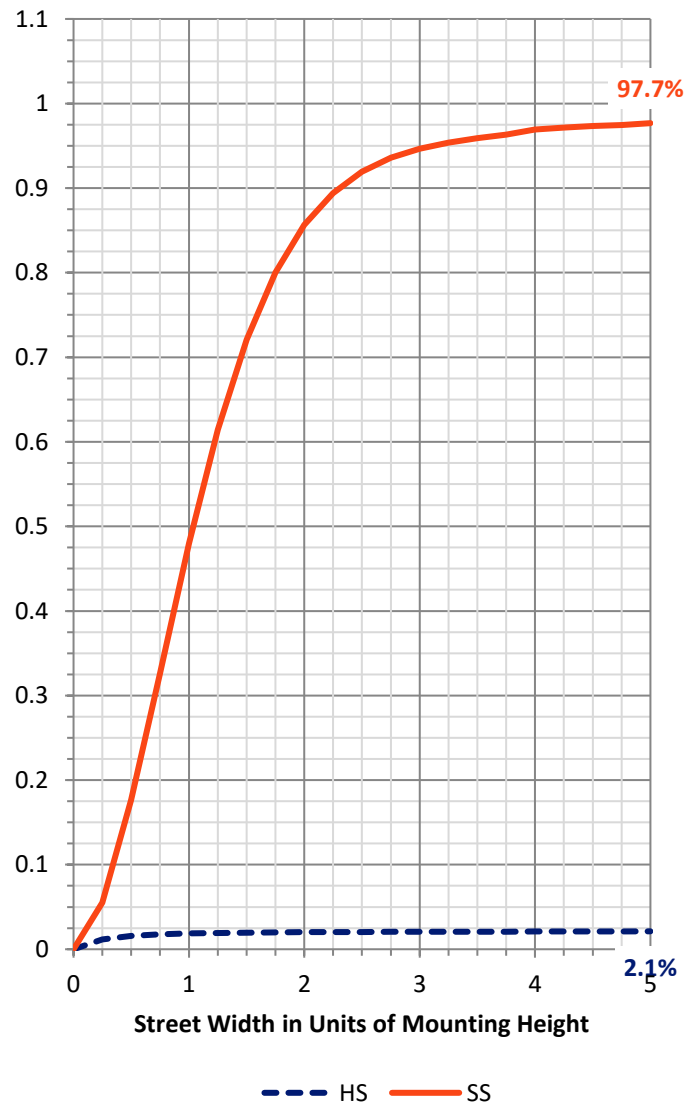
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	147.5	0.0	147.5
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	6658.7	0.0	6658.7
	% Fixture	97.8	0.0	97.8
Total	Lumens	6806.2	0.0	6806.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.3
10°-20°	97.5	1.4
20°-30°	210.3	3.1
30°-40°	449.2	6.6
40°-50°	993.3	14.6
50°-60°	1683.3	24.7
60°-70°	2246.2	33.0
70°-80°	989.4	14.5
80°-90°	114.0	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°	6806.2	100.0
0°-180°	6806.2	100.0



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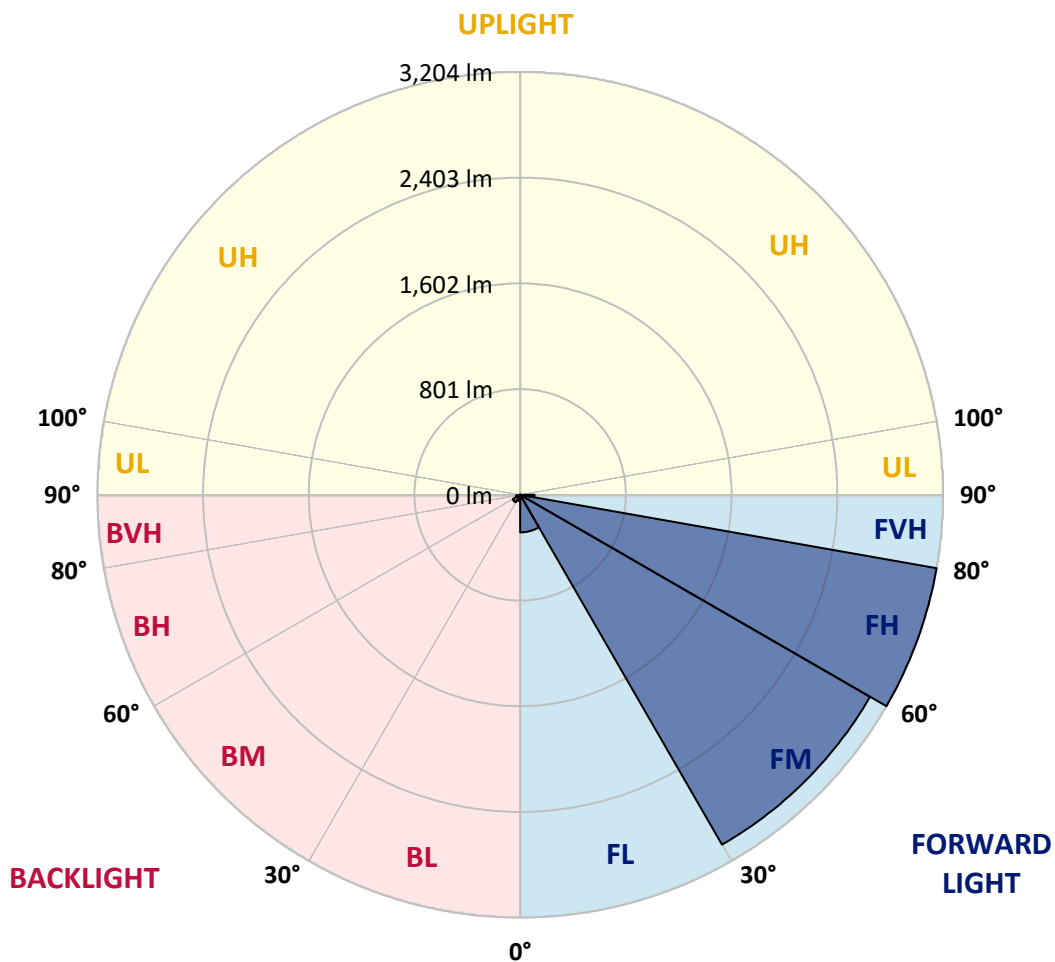
CATALOG NUMBER: ICM-E05-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.3	4.2			
FM	(30°-60°)	3061.0	45.0			
FH	(60°-80°)	3204.0	47.1			G2/5000
FVH	(80°-90°)	109.4	1.6			G2/225
BL	(0°-30°)	46.5	0.7	B0/110		
BM	(30°-60°)	64.8	1.0	B0/220		
BH	(60°-80°)	31.6	0.5	B0/110		G0/110
BVH	(80°-90°)	4.5	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°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	259.1	257.8	252.6	252.6	244.7	239.4	232.9	226.4	226.4	225.0	223.7
5°	342.8	335.0	333.7	319.3	307.5	290.5	274.8	253.9	251.3	248.7	247.4
7.5°	435.7	434.4	422.6	405.7	382.0	350.7	319.3	285.3	280.0	277.4	272.2
10°	556.1	549.6	533.9	505.1	469.8	427.9	376.8	323.2	316.7	311.4	308.8
12.5°	671.3	659.5	650.3	613.7	569.2	507.7	446.2	369.0	363.7	357.2	346.8
15°	778.6	768.1	752.4	721.0	671.3	594.1	522.1	427.9	414.8	405.7	397.8
17.5°	862.3	855.8	837.5	802.1	748.5	680.5	594.1	488.1	477.6	465.9	451.4
20°	942.1	932.9	904.2	855.8	798.2	745.9	679.2	566.6	552.2	537.8	522.1
22.5°	1018.1	1008.8	961.8	882.0	820.5	798.2	774.6	655.5	633.3	621.6	605.9
25°	1124.0	1104.4	1031.1	904.2	821.8	838.8	879.4	770.7	749.8	732.7	707.9
27.5°	1266.6	1240.5	1125.3	936.9	827.0	883.3	999.7	910.7	888.5	868.8	841.4
30°	1427.6	1410.6	1273.2	1015.4	864.9	948.7	1134.5	1088.7	1062.5	1039.0	1006.2
32.5°	1589.9	1566.3	1430.2	1164.6	967.0	1075.6	1303.3	1295.4	1261.4	1239.2	1203.8
35°	1732.5	1720.7	1619.9	1409.3	1199.9	1298.1	1528.4	1537.5	1507.5	1483.8	1444.6
37.5°	1829.3	1829.3	1809.7	1672.3	1570.2	1643.5	1859.5	1860.8	1830.6	1776.9	1757.3
40°	1879.1	1893.4	1964.1	1990.2	1985.0	2079.3	2293.9	2270.2	2245.4	2218.0	2152.5
42.5°	1981.1	1994.2	2144.7	2325.2	2443.0	2567.4	2715.2	2707.4	2677.2	2627.6	2567.4
45°	2153.8	2170.8	2350.1	2636.7	2878.7	3055.4	3149.6	3112.9	3082.9	3035.7	3004.4
47.5°	2373.7	2406.3	2609.2	2963.8	3255.6	3547.4	3645.5	3548.7	3522.5	3485.9	3434.9
50°	2607.9	2639.3	2855.2	3260.9	3590.6	3938.6	4102.3	3938.6	3900.7	3889.0	3831.4
52.5°	2810.7	2836.9	3044.9	3489.8	3847.1	4255.3	4493.4	4277.5	4250.1	4210.8	4169.0
55°	2931.1	2952.0	3147.0	3599.7	4021.0	4540.6	4871.7	4681.9	4641.3	4625.6	4565.4
57.5°	2971.6	2992.6	3167.9	3614.2	4115.3	4801.0	5330.9	5337.4	5289.1	5232.8	5214.5
60°	2971.6	2995.2	3143.1	3578.8	4206.9	5078.4	5943.3	6489.0	6384.3	6373.8	6307.1
62.5°	2848.7	2870.9	3020.1	3470.2	4329.9	5452.6	6796.4	7759.5	7729.4	7661.3	7551.5
65°	2581.7	2594.8	2741.3	3192.8	4282.8	5796.8	7535.8	8604.8	8556.4	8422.9	8281.6
66°	2461.3	2471.8	2609.2	3034.4	4128.4	5843.8	7666.7	8710.8	8631.0	8518.5	8358.8
67.5°	2287.3	2305.6	2402.4	2740.0	3758.1	5680.3	7584.2	8636.2	8566.8	8430.8	8271.1
70°	1527.1	1514.0	1855.5	2102.8	2863.1	4628.2	6804.3	7754.3	7755.6	7691.5	7627.4
72.5°	724.9	732.7	832.2	1294.1	1873.8	3092.0	5415.9	6189.3	6278.3	6163.1	6083.3
75°	520.7	532.6	592.7	791.6	1117.5	1855.5	3510.7	4328.6	4331.2	4127.1	3945.2
77.5°	151.8	158.3	222.4	488.1	837.5	1252.3	2016.5	2406.3	2350.1	2203.5	2066.2
80°	62.8	62.8	65.4	155.7	336.3	850.5	1410.6	1852.8	1846.3	1790.1	1708.9
82.5°	23.5	24.8	31.4	64.1	79.8	209.4	940.8	1608.2	1604.3	1524.4	1466.9
85°	2.6	2.6	7.8	27.4	30.1	39.3	188.5	709.2	705.3	709.2	621.6
87.5°	0.0	0.0	1.3	2.6	3.9	5.2	7.8	27.4	30.1	28.7	26.1
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	223.7	221.1	221.1	219.8	219.8	219.8	218.5	217.2	217.2	215.9	214.6
5°	244.7	242.0	240.7	238.1	236.8	235.5	232.9	231.6	229.0	227.7	226.4
7.5°	269.6	264.3	263.0	259.1	255.2	252.6	250.0	246.0	243.4	238.1	236.8
10°	300.9	294.4	289.2	283.9	280.0	273.5	269.6	264.3	259.1	255.2	251.3
12.5°	341.5	332.4	324.5	319.3	310.1	302.2	294.4	290.5	280.0	274.8	268.3
15°	386.0	375.5	366.4	355.9	349.4	336.3	325.9	314.0	308.8	299.6	289.2
17.5°	443.6	426.6	412.2	401.7	388.7	375.5	363.7	352.0	336.3	325.9	312.7
20°	505.1	490.7	471.1	452.7	437.0	421.3	404.4	388.7	374.2	357.2	341.5
22.5°	583.6	562.7	539.1	520.7	499.8	482.9	459.3	438.3	414.8	392.6	374.2
25°	683.1	655.5	633.3	607.2	582.3	556.1	527.4	501.1	471.1	450.1	418.7
27.5°	806.1	779.9	749.8	715.7	690.9	651.6	613.7	581.0	545.7	512.9	477.6
30°	963.1	925.1	893.7	861.0	811.3	773.3	728.8	684.4	635.9	603.3	549.6
32.5°	1151.5	1110.9	1063.8	1016.8	970.9	917.3	862.3	807.4	753.7	693.5	638.5
35°	1381.8	1333.4	1279.7	1228.7	1158.1	1100.5	1031.1	955.3	895.0	825.7	756.3
37.5°	1686.7	1606.9	1559.7	1506.1	1410.6	1332.1	1254.9	1179.0	1073.0	999.7	901.6
40°	2068.8	2021.7	1944.5	1858.1	1771.7	1668.4	1563.6	1462.9	1339.9	1237.9	1124.0
42.5°	2517.6	2448.2	2369.7	2245.4	2157.8	2036.0	1916.9	1783.5	1633.0	1502.1	1368.8
45°	2938.9	2856.5	2796.3	2672.0	2580.4	2436.5	2292.6	2151.2	1977.2	1808.4	1654.0
47.5°	3394.3	3326.3	3226.8	3126.1	3033.1	2870.9	2715.2	2543.7	2360.6	2160.4	1960.2
50°	3794.7	3741.0	3673.0	3551.4	3447.9	3311.8	3128.7	2941.6	2710.0	2511.1	2283.4
52.5°	4134.9	4093.0	3997.5	3911.2	3818.3	3690.1	3526.4	3347.2	3097.2	2878.7	2619.6
55°	4536.7	4506.5	4422.8	4369.1	4286.7	4163.7	4010.6	3844.4	3580.1	3342.0	3048.9
57.5°	5194.8	5171.3	5098.0	5075.8	4994.6	4887.3	4698.9	4521.0	4212.1	3916.4	3581.4
60°	6284.8	6237.7	6130.5	6075.5	5904.0	5760.1	5515.4	5270.7	4897.8	4521.0	4117.9
62.5°	7452.0	7319.9	7115.8	6940.4	6697.0	6447.1	6119.9	5745.7	5308.7	4861.1	4398.0
65°	8081.4	7856.3	7598.6	7319.9	7004.5	6636.8	6224.6	5775.8	5306.1	4833.7	4344.3
66°	8153.4	7899.6	7626.1	7316.0	6965.3	6574.0	6155.3	5684.2	5196.1	4735.6	4246.2
67.5°	8063.1	7797.4	7508.3	7164.1	6784.7	6379.0	5939.4	5450.0	4980.2	4513.1	4036.8
70°	7431.1	7166.7	6909.0	6546.6	6142.2	5733.9	5317.8	4770.9	4326.0	3896.8	3472.9
72.5°	5934.2	5754.9	5499.8	5189.6	4795.8	4316.8	3970.1	3480.7	3094.6	2678.5	2350.1
75°	3708.4	3455.8	3140.5	2745.3	2444.3	2055.6	1852.8	1481.2	1261.4	1069.0	883.3
77.5°	1896.0	1706.3	1485.1	1262.7	1049.4	837.5	647.7	458.0	308.8	214.6	159.6
80°	1566.3	1398.8	1215.6	1012.8	824.4	639.9	460.6	314.0	200.2	130.9	102.0
82.5°	1294.1	1152.8	989.2	800.8	637.2	502.5	349.4	227.7	141.3	91.6	72.0
85°	550.9	499.8	386.0	306.2	230.3	170.1	119.1	79.8	56.3	45.8	41.9
87.5°	23.5	26.1	24.8	19.6	14.4	14.4	13.1	10.5	10.5	10.5	10.5
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	214.6	213.3	212.0	212.0	210.7	209.4	201.5	195.0	187.2	181.9	176.7
5°	223.7	222.4	219.8	218.5	215.9	214.6	197.6	183.2	171.4	162.2	155.7
7.5°	232.9	231.6	227.7	223.7	222.4	219.8	192.4	174.0	158.3	147.9	141.3
10°	244.7	240.7	236.8	231.6	227.7	223.7	187.2	163.5	146.5	137.4	130.9
12.5°	261.7	255.2	248.7	242.0	236.8	230.3	184.5	154.4	137.4	126.9	120.4
15°	281.3	272.2	264.3	256.5	247.4	240.7	179.3	146.5	129.6	119.1	111.3
17.5°	299.6	289.2	277.4	265.7	256.5	247.4	174.0	138.7	121.7	111.3	103.3
20°	325.9	310.1	295.7	281.3	268.3	256.5	166.1	130.9	115.2	103.3	95.5
22.5°	354.6	336.3	318.0	298.3	281.3	265.7	159.6	124.3	108.7	96.8	87.6
25°	391.3	369.0	344.1	319.3	299.6	278.7	153.1	117.8	102.0	90.3	81.1
27.5°	442.2	410.9	383.4	352.0	321.9	298.3	147.9	112.6	95.5	83.7	74.6
30°	511.6	465.9	422.6	388.7	353.3	319.3	142.6	106.0	90.3	77.2	66.7
32.5°	588.8	535.2	485.5	434.4	390.0	350.7	137.4	100.7	83.7	70.7	61.5
35°	684.4	616.3	549.6	490.7	437.0	384.7	132.2	95.5	78.5	64.1	55.0
37.5°	821.8	736.7	649.0	573.1	503.8	434.4	128.3	90.3	72.0	57.6	48.4
40°	1010.1	900.3	792.9	689.6	599.3	512.9	123.0	85.0	66.7	52.4	43.2
42.5°	1214.3	1080.8	939.5	823.1	698.8	590.1	117.8	79.8	61.5	47.1	38.0
45°	1468.2	1302.0	1130.5	972.2	820.5	680.5	112.6	74.6	55.0	41.9	32.7
47.5°	1745.6	1533.6	1339.9	1141.0	960.5	792.9	106.0	70.7	49.8	36.7	28.7
50°	2030.8	1807.1	1562.3	1336.0	1121.4	905.5	99.4	64.1	44.5	32.7	23.5
52.5°	2338.3	2074.0	1824.1	1542.7	1292.8	1053.4	92.9	58.9	40.6	28.7	19.6
55°	2729.6	2433.9	2140.8	1825.4	1524.4	1224.8	86.3	52.4	35.3	24.8	15.7
57.5°	3221.6	2870.9	2511.1	2155.2	1790.1	1449.9	81.1	45.8	30.1	20.9	13.1
60°	3686.1	3276.6	2840.8	2431.3	2019.1	1622.5	73.3	40.6	26.1	17.0	13.1
62.5°	3926.9	3459.7	2990.0	2538.5	2098.9	1684.1	65.4	34.0	22.2	14.4	11.8
65°	3868.0	3391.6	2936.3	2480.9	2050.4	1644.8	57.6	30.1	19.6	13.1	11.8
66°	3782.9	3311.8	2853.9	2420.8	2009.9	1602.9	53.7	28.7	18.3	13.1	10.5
67.5°	3597.1	3141.8	2704.7	2301.7	1898.7	1523.1	48.4	26.1	17.0	11.8	10.5
70°	3072.4	2658.9	2309.5	1951.0	1622.5	1283.6	39.3	22.2	14.4	10.5	10.5
72.5°	2033.4	1752.1	1519.2	1307.2	1092.7	847.9	32.7	18.3	11.8	10.5	9.1
75°	766.8	693.5	595.4	535.2	467.2	409.6	26.1	11.8	9.1	9.1	9.1
77.5°	136.1	125.6	111.3	102.0	94.2	86.3	20.9	7.8	7.8	9.1	9.1
80°	91.6	85.0	77.2	70.7	65.4	58.9	14.4	6.5	7.8	7.8	9.1
82.5°	65.4	61.5	57.6	52.4	48.4	43.2	9.1	6.5	7.8	7.8	7.8
85°	39.3	36.7	34.0	31.4	27.4	26.1	6.5	6.5	6.5	7.8	7.8
87.5°	10.5	9.1	10.5	10.5	7.8	9.1	5.2	5.2	5.2	6.5	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):

	145°	155°	165°	175°	180°
0°	205.4	205.4	205.4	205.4	205.4
2.5°	174.0	174.0	171.4	175.3	175.3
5°	150.5	150.5	149.2	150.5	150.5
7.5°	137.4	136.1	136.1	136.1	137.4
10°	125.6	124.3	124.3	124.3	124.3
12.5°	115.2	113.9	112.6	113.9	113.9
15°	106.0	103.3	103.3	103.3	103.3
17.5°	98.1	95.5	94.2	94.2	94.2
20°	90.3	86.3	86.3	86.3	86.3
22.5°	82.4	78.5	78.5	78.5	78.5
25°	74.6	70.7	70.7	70.7	70.7
27.5°	68.0	64.1	64.1	64.1	64.1
30°	60.2	57.6	57.6	58.9	57.6
32.5°	55.0	51.1	51.1	52.4	52.4
35°	48.4	45.8	45.8	45.8	45.8
37.5°	41.9	39.3	39.3	39.3	39.3
40°	36.7	34.0	32.7	34.0	34.0
42.5°	31.4	28.7	27.4	27.4	27.4
45°	27.4	23.5	22.2	23.5	23.5
47.5°	22.2	19.6	19.6	20.9	20.9
50°	17.0	17.0	18.3	20.9	20.9
52.5°	15.7	15.7	18.3	20.9	20.9
55°	14.4	15.7	18.3	19.6	20.9
57.5°	13.1	15.7	18.3	19.6	19.6
60°	13.1	14.4	17.0	19.6	19.6
62.5°	11.8	13.1	15.7	18.3	18.3
65°	11.8	13.1	15.7	18.3	18.3
66°	11.8	13.1	15.7	18.3	18.3
67.5°	11.8	13.1	15.7	18.3	18.3
70°	11.8	13.1	15.7	17.0	17.0
72.5°	10.5	11.8	14.4	17.0	17.0
75°	10.5	11.8	14.4	17.0	17.0
77.5°	10.5	11.8	14.4	17.0	17.0
80°	10.5	11.8	14.4	15.7	17.0
82.5°	9.1	11.8	13.1	15.7	15.7
85°	9.1	10.5	13.1	14.4	15.7
87.5°	7.8	9.1	10.5	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)