

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: P181573

Luminaire Tested: **ICM-F06-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181573
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-T4-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8139.1 lumens
Efficiency: N/A
Efficacy: 52.0 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

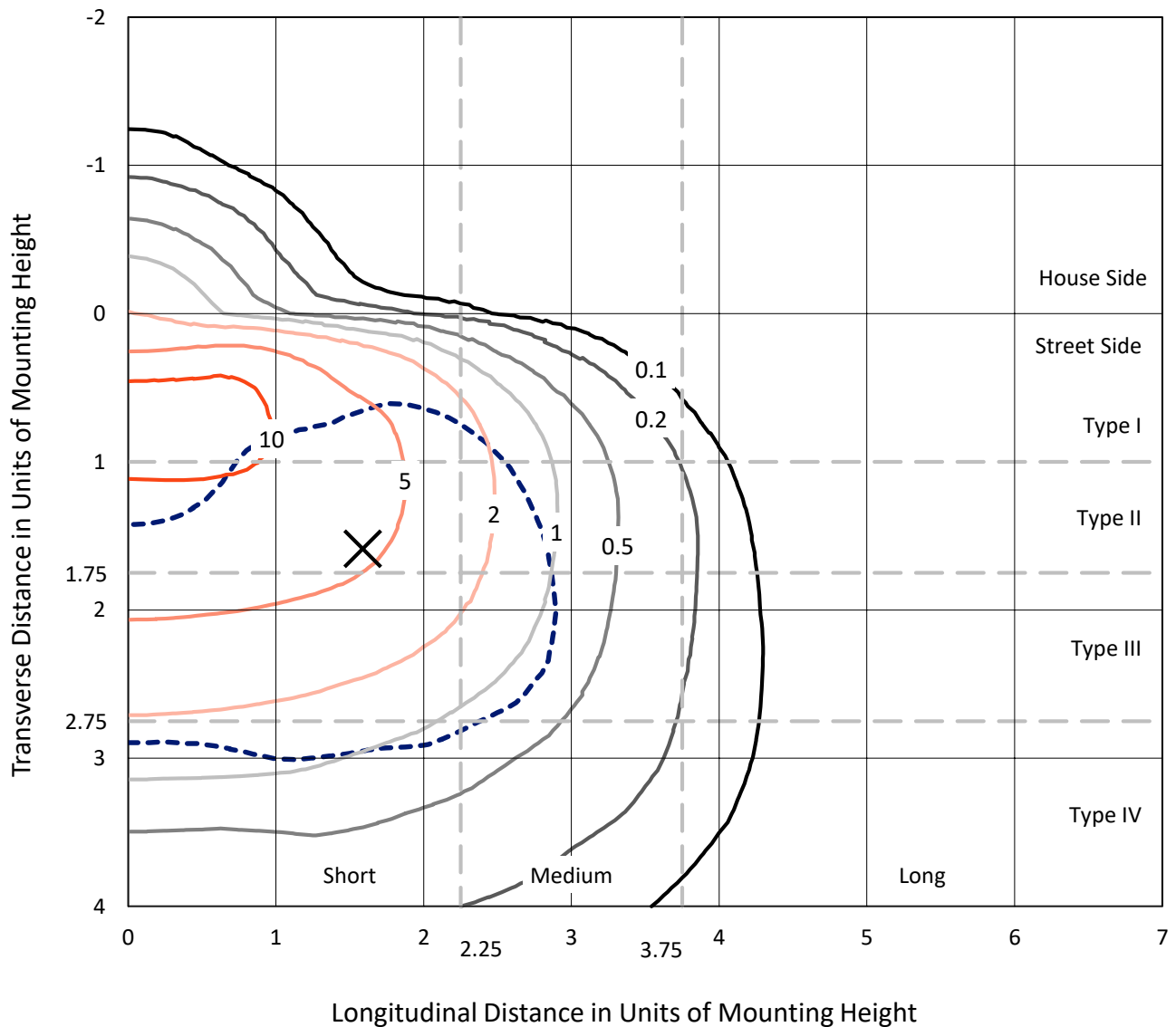
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

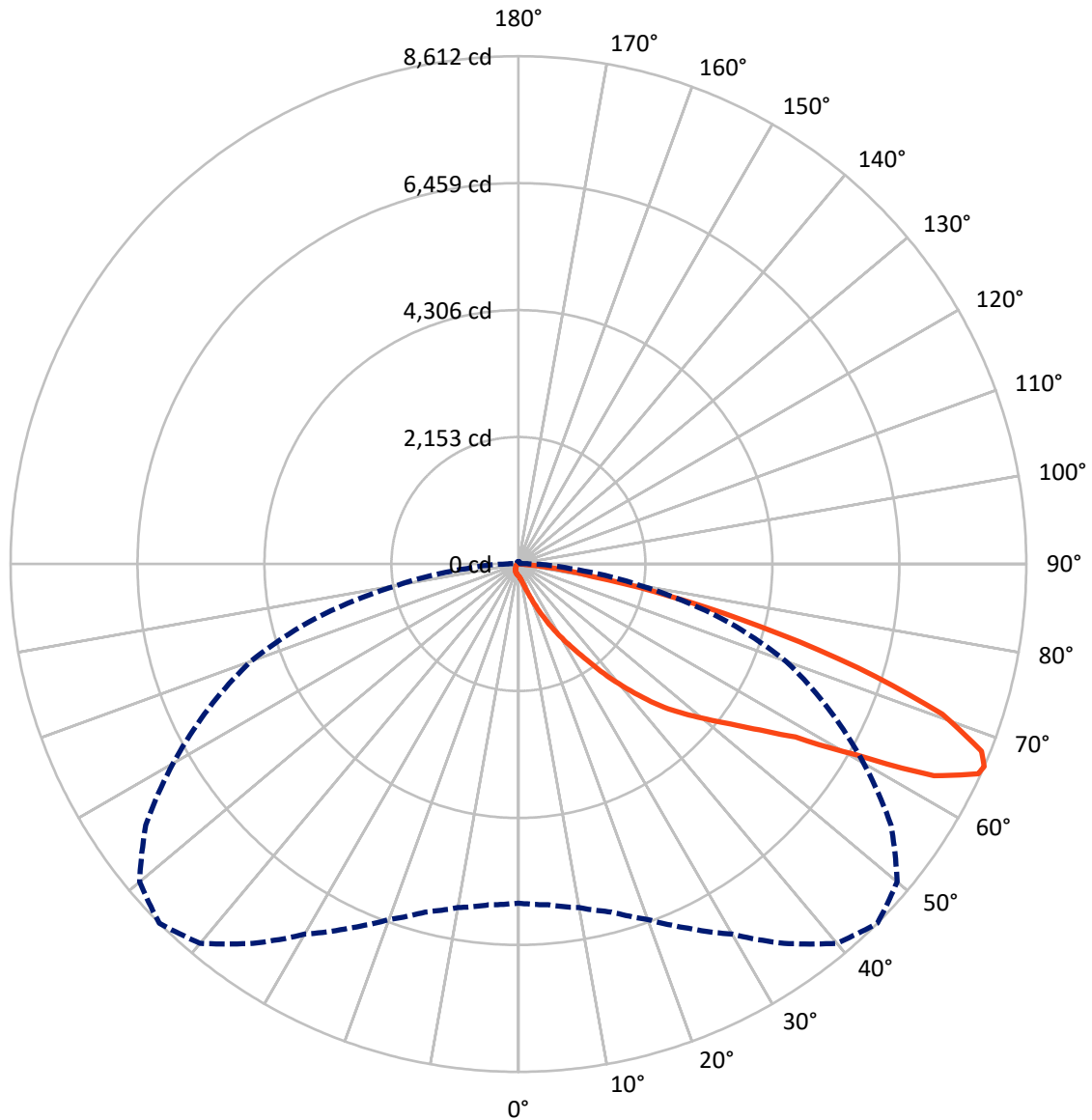
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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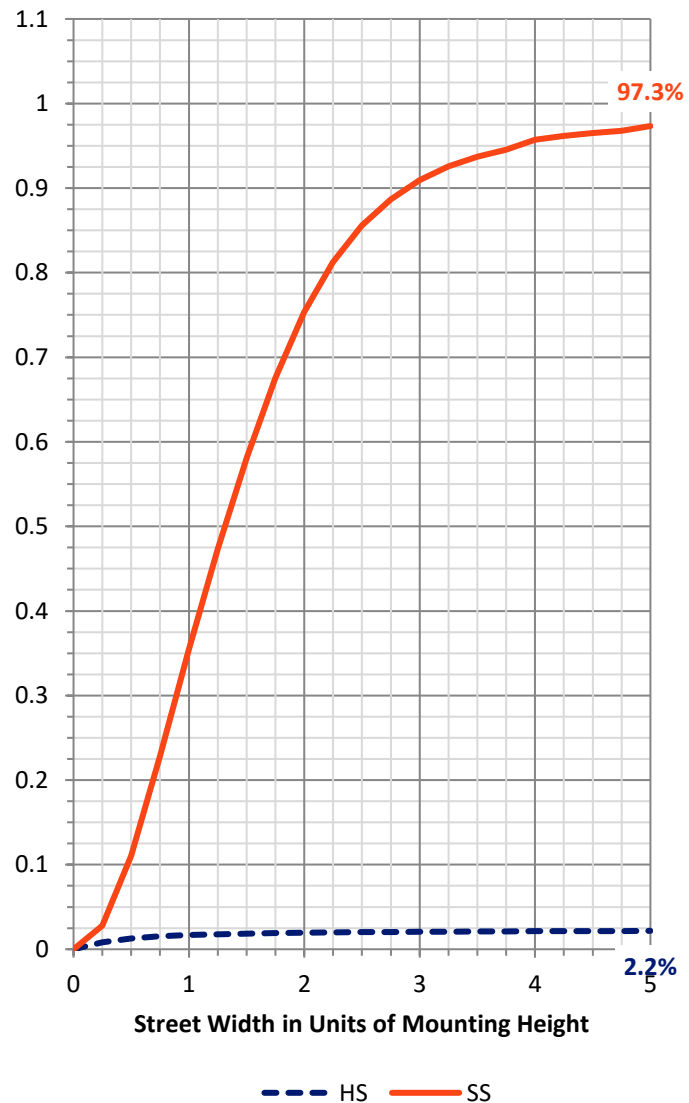
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	184.5	0.0	184.5
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	7954.6	0.0	7954.6
	% Fixture	97.7	0.0	97.7
Total	Lumens	8139.1	0.0	8139.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.3
10°-20°	83.0	1.0
20°-30°	243.2	3.0
30°-40°	568.0	7.0
40°-50°	1066.9	13.1
50°-60°	1768.1	21.7
60°-70°	2806.8	34.5
70°-80°	1451.6	17.8
80°-90°	131.1	1.6
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°	8139.1	100.0
0°-180°	8139.1	100.0



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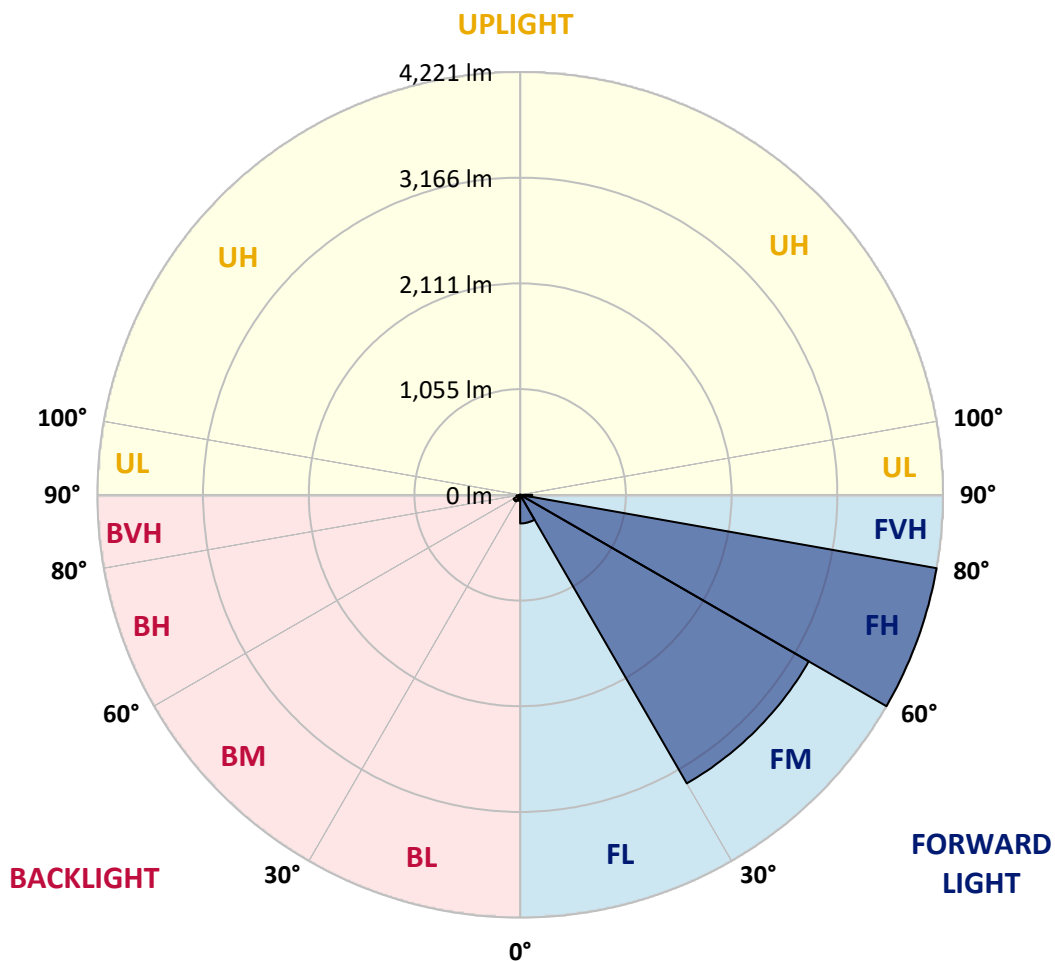
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.4	3.5			
FM (30°-60°)	3326.5	40.9			
FH (60°-80°)	4221.0	51.9			G2/5000
FVH (80°-90°)	120.7	1.5			G2/225
BL (0°-30°)	60.2	0.7	B0/110		
BM (30°-60°)	76.5	0.9	B0/220		
BH (60°-80°)	37.4	0.5	B0/110		G0/110
BVH (80°-90°)	10.4	0.1			G1/100
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°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	220.3	220.3	220.3	220.3	218.8	217.4	216.0	214.6	213.2	213.2	211.8
5°	249.7	251.1	249.7	248.3	245.5	244.1	239.9	237.0	232.8	231.4	227.3
7.5°	290.4	288.9	290.4	286.1	280.6	279.2	273.6	266.5	260.9	252.5	246.9
10°	349.3	347.9	349.3	340.8	332.5	325.5	315.6	307.2	294.6	284.7	273.6
12.5°	443.3	443.3	440.5	429.2	418.0	402.6	387.2	368.9	346.5	326.9	308.7
15°	587.7	580.7	568.1	561.1	541.5	517.6	500.8	464.3	432.1	401.2	364.7
17.5°	761.7	747.7	737.9	722.4	697.2	666.3	638.2	584.9	552.7	502.2	450.3
20°	960.9	944.1	941.3	917.4	890.8	857.1	816.4	753.3	698.6	635.4	562.5
22.5°	1164.3	1167.1	1155.9	1139.1	1112.4	1073.1	1010.1	952.5	885.1	805.2	711.2
25°	1391.5	1390.1	1380.4	1360.7	1341.0	1292.0	1241.5	1186.8	1106.8	1004.4	892.2
27.5°	1604.8	1603.4	1579.5	1580.9	1543.1	1524.8	1475.7	1416.8	1320.0	1234.4	1112.4
30°	1827.8	1813.8	1798.3	1787.2	1760.5	1728.2	1703.0	1632.8	1559.9	1458.9	1359.3
32.5°	2053.7	2038.2	2042.4	2028.4	2007.4	1975.1	1937.2	1879.7	1801.2	1703.0	1610.4
35°	2330.1	2323.0	2311.8	2316.0	2311.8	2287.9	2255.6	2179.9	2094.3	2000.4	1904.9
37.5°	2534.8	2527.8	2534.8	2564.3	2571.3	2586.7	2562.9	2525.0	2463.3	2360.9	2261.3
40°	2724.2	2725.6	2757.9	2794.3	2819.6	2870.1	2878.5	2863.1	2814.0	2720.0	2589.5
42.5°	2894.0	2915.0	2944.5	3004.8	3059.5	3131.0	3184.3	3192.8	3156.3	3094.5	2962.7
45°	3083.4	3101.6	3147.8	3219.4	3295.2	3383.6	3469.1	3514.0	3511.2	3467.6	3326.0
47.5°	3295.2	3319.0	3369.5	3428.4	3529.4	3629.0	3739.8	3819.7	3853.4	3793.1	3655.7
50°	3551.8	3561.7	3605.1	3681.0	3773.5	3888.5	4009.1	4125.6	4191.6	4135.4	3993.7
52.5°	3856.3	3859.1	3899.7	3969.9	4044.2	4170.4	4288.3	4449.6	4535.2	4504.3	4334.6
55°	4274.3	4265.9	4293.9	4354.3	4414.5	4536.6	4654.4	4836.8	4961.6	4964.5	4783.5
57.5°	4845.2	4825.6	4843.8	4891.6	4958.8	5072.5	5221.1	5382.5	5549.4	5538.2	5389.5
60°	5640.6	5633.6	5667.3	5747.2	5862.3	5980.0	6148.4	6365.8	6513.2	6563.7	6407.9
62.5°	6169.4	6189.1	6266.3	6389.7	6611.3	6855.4	7168.2	7500.7	7781.3	7907.5	7692.9
65°	5942.2	5974.5	6095.1	6277.4	6570.6	6936.8	7352.0	7897.7	8381.6	8573.8	8350.7
66°	5750.0	5801.9	5915.6	6109.2	6414.9	6814.7	7248.2	7851.4	8395.7	8611.7	8384.4
67.5°	5417.5	5454.1	5583.1	5797.7	6126.0	6521.5	6990.1	7626.9	8241.4	8470.0	8244.1
70°	4740.0	4754.1	4859.3	5041.6	5295.6	5701.0	6126.0	6739.0	7304.3	7625.5	7378.6
72.5°	3528.0	3547.6	3721.6	4054.1	4383.7	4613.8	4864.9	5355.8	5720.6	6020.8	5973.1
75°	1697.4	1705.8	1822.2	2307.5	2950.1	3225.0	3457.9	3838.1	3976.9	4228.0	4190.2
77.5°	1075.9	1094.1	1170.0	1287.7	1652.5	1979.4	2163.1	2380.6	2421.2	2633.0	2509.6
80°	296.0	343.7	419.4	617.2	1059.1	1262.5	1345.3	1336.8	1345.3	1280.8	1238.7
82.5°	60.3	58.9	71.5	110.8	467.2	735.1	794.0	676.1	671.9	646.7	667.7
85°	15.4	14.0	16.8	35.1	80.0	217.4	273.6	152.9	116.5	110.8	98.2
87.5°	4.2	4.2	4.2	7.0	8.4	11.3	15.4	11.3	8.4	8.4	8.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	210.4	210.4	209.0	207.6	207.6	206.2	204.8	203.4	202.0	200.6	199.2
5°	223.1	220.3	216.0	213.2	210.4	206.2	203.4	200.6	197.8	196.4	193.6
7.5°	239.9	232.8	227.3	218.8	213.2	207.6	202.0	197.8	193.6	190.8	188.0
10°	260.9	249.7	238.5	227.3	217.4	209.0	200.6	193.6	189.4	185.2	182.3
12.5°	287.5	270.7	255.4	238.5	223.1	210.4	199.2	190.8	185.2	180.9	176.7
15°	331.1	304.4	277.8	252.5	232.8	213.2	197.8	188.0	180.9	176.7	172.6
17.5°	399.8	352.1	310.0	275.0	242.7	217.4	197.8	185.2	176.7	171.2	167.0
20°	499.4	420.8	353.5	303.0	260.9	224.5	197.8	180.9	172.6	165.5	161.3
22.5°	617.2	519.1	426.4	342.2	282.0	234.2	197.8	176.7	167.0	161.3	155.7
25°	789.8	659.4	533.0	415.3	317.0	249.7	202.0	174.0	162.7	155.7	150.1
27.5°	991.7	834.7	677.6	512.0	370.3	272.1	207.6	171.2	158.5	150.1	144.5
30°	1221.9	1047.9	855.7	641.1	440.5	301.6	217.4	169.8	152.9	144.5	137.5
32.5°	1471.5	1287.7	1077.3	806.6	544.3	346.5	230.0	168.4	147.3	137.5	129.0
35°	1768.9	1597.8	1341.0	1039.4	705.6	423.6	258.1	171.2	141.7	130.4	120.7
37.5°	2094.3	1912.0	1639.8	1286.3	865.5	510.6	279.2	167.0	131.9	120.7	110.8
40°	2422.6	2213.6	1937.2	1545.9	1068.9	617.2	305.8	162.7	122.0	110.8	101.0
42.5°	2742.4	2522.2	2222.1	1812.4	1283.5	743.4	339.4	162.7	115.1	101.0	91.2
45°	3077.7	2812.6	2484.3	2067.7	1496.8	888.0	387.2	161.3	106.6	92.6	81.4
47.5°	3394.7	3080.5	2703.2	2292.2	1725.4	1046.5	441.9	162.7	99.6	84.2	74.3
50°	3694.9	3334.4	2927.6	2492.8	1944.3	1217.6	509.2	164.1	92.6	77.1	67.3
52.5°	4023.2	3623.4	3168.9	2699.0	2160.3	1390.1	587.7	167.0	85.6	70.1	61.8
55°	4430.0	3986.7	3466.3	2951.5	2388.9	1564.1	663.5	169.8	78.5	64.6	56.1
57.5°	5016.4	4511.4	3948.9	3330.3	2691.9	1761.9	742.1	176.7	72.9	60.3	51.9
60°	5970.3	5368.5	4719.0	3989.5	3145.0	2029.9	855.7	192.2	66.0	54.7	49.1
62.5°	7117.7	6393.9	5567.7	4682.5	3571.5	2210.8	931.4	209.0	60.3	50.5	46.3
65°	7695.7	6783.9	5831.4	4876.1	3626.2	2157.5	900.6	203.4	53.3	44.9	39.3
66°	7712.5	6762.8	5794.9	4834.0	3570.1	2092.9	871.2	200.6	51.9	43.4	36.5
67.5°	7552.6	6581.9	5601.3	4643.2	3404.6	1968.1	817.9	190.8	47.7	39.3	32.3
70°	6762.8	5817.3	4918.2	4033.0	2929.0	1658.1	686.0	168.4	42.0	35.1	29.5
72.5°	5390.9	4620.8	3863.3	3173.1	2276.8	1244.3	541.5	137.5	36.5	30.9	25.2
75°	3765.0	3132.4	2555.9	2063.5	1430.8	744.8	350.7	96.8	30.9	25.2	21.0
77.5°	2101.4	1666.5	1259.7	959.5	571.0	232.8	116.5	49.1	26.7	19.6	16.8
80°	1068.9	792.6	603.2	444.7	263.7	120.7	58.9	32.3	21.0	15.4	14.0
82.5°	621.4	455.9	363.4	287.5	180.9	91.2	47.7	23.8	14.0	11.3	12.7
85°	138.9	183.7	155.7	131.9	96.8	57.5	33.7	15.4	9.9	9.9	11.3
87.5°	11.3	15.4	14.0	18.2	19.6	18.2	14.0	8.4	7.0	8.4	8.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	197.8	196.4	196.4	195.0	193.6	193.6	193.6	192.2	193.6	193.6	193.6
5°	192.2	190.8	189.4	188.0	186.6	185.2	185.2	183.7	183.7	183.7	185.2
7.5°	186.6	183.7	182.3	179.5	178.1	176.7	176.7	175.3	175.3	175.3	175.3
10°	179.5	176.7	174.0	172.6	171.2	168.4	168.4	167.0	165.5	165.5	165.5
12.5°	174.0	171.2	168.4	165.5	162.7	161.3	159.9	158.5	157.1	157.1	157.1
15°	168.4	164.1	161.3	158.5	155.7	152.9	151.5	150.1	148.7	147.3	147.3
17.5°	162.7	158.5	154.3	151.5	148.7	145.9	144.5	140.3	140.3	138.9	138.9
20°	155.7	151.5	147.3	144.5	141.7	138.9	136.1	133.3	130.4	129.0	129.0
22.5°	150.1	145.9	141.7	137.5	133.3	129.0	126.2	123.4	122.0	120.7	119.3
25°	144.5	138.9	133.3	129.0	124.8	120.7	117.9	115.1	112.2	110.8	110.8
27.5°	137.5	131.9	126.2	120.7	116.5	112.2	109.4	105.2	103.8	102.4	101.0
30°	130.4	123.4	117.9	112.2	108.0	102.4	99.6	96.8	94.0	94.0	92.6
32.5°	122.0	115.1	109.4	103.8	98.2	94.0	91.2	88.4	87.0	84.2	84.2
35°	113.6	106.6	99.6	94.0	89.8	85.6	82.8	80.0	77.1	75.7	75.7
37.5°	103.8	96.8	91.2	85.6	81.4	77.1	74.3	71.5	70.1	68.7	67.3
40°	92.6	85.6	81.4	77.1	72.9	70.1	66.0	63.2	61.8	60.3	58.9
42.5°	82.8	75.7	72.9	70.1	66.0	63.2	58.9	56.1	53.3	51.9	50.5
45°	74.3	68.7	66.0	63.2	58.9	54.7	51.9	49.1	46.3	44.9	44.9
47.5°	66.0	61.8	58.9	56.1	51.9	49.1	44.9	43.4	40.7	40.7	40.7
50°	60.3	56.1	53.3	50.5	47.7	43.4	40.7	39.3	37.9	37.9	39.3
52.5°	56.1	51.9	49.1	46.3	43.4	40.7	37.9	36.5	36.5	37.9	39.3
55°	51.9	47.7	44.9	42.0	39.3	37.9	35.1	35.1	36.5	37.9	39.3
57.5°	49.1	43.4	40.7	39.3	36.5	35.1	35.1	35.1	36.5	37.9	40.7
60°	44.9	39.3	36.5	36.5	33.7	33.7	33.7	35.1	36.5	39.3	40.7
62.5°	39.3	35.1	33.7	33.7	32.3	32.3	33.7	35.1	37.9	39.3	40.7
65°	33.7	30.9	30.9	30.9	30.9	32.3	33.7	35.1	36.5	39.3	40.7
66°	30.9	29.5	29.5	30.9	30.9	32.3	33.7	35.1	36.5	37.9	39.3
67.5°	29.5	28.1	28.1	29.5	30.9	30.9	32.3	35.1	36.5	37.9	37.9
70°	25.2	25.2	25.2	28.1	29.5	30.9	32.3	33.7	35.1	36.5	37.9
72.5°	22.4	22.4	23.8	25.2	28.1	29.5	30.9	32.3	35.1	36.5	36.5
75°	19.6	19.6	22.4	23.8	26.7	28.1	30.9	32.3	33.7	35.1	35.1
77.5°	16.8	18.2	21.0	23.8	25.2	28.1	29.5	30.9	32.3	33.7	33.7
80°	15.4	18.2	21.0	22.4	23.8	25.2	26.7	29.5	30.9	32.3	33.7
82.5°	15.4	16.8	19.6	21.0	22.4	25.2	26.7	28.1	29.5	30.9	32.3
85°	12.7	15.4	16.8	19.6	21.0	23.8	25.2	25.2	26.7	28.1	29.5
87.5°	9.9	11.3	11.3	14.0	15.4	18.2	21.0	21.0	22.4	23.8	25.2
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°	203.4	203.4	203.4	203.4
2.5°	193.6	195.0	195.0	195.0
5°	185.2	185.2	185.2	185.2
7.5°	175.3	175.3	175.3	175.3
10°	165.5	165.5	167.0	165.5
12.5°	157.1	155.7	155.7	155.7
15°	147.3	147.3	145.9	147.3
17.5°	137.5	137.5	136.1	136.1
20°	127.6	127.6	127.6	127.6
22.5°	119.3	117.9	117.9	117.9
25°	109.4	109.4	109.4	109.4
27.5°	101.0	101.0	101.0	101.0
30°	92.6	92.6	91.2	91.2
32.5°	84.2	84.2	84.2	84.2
35°	75.7	75.7	74.3	74.3
37.5°	66.0	66.0	66.0	66.0
40°	57.5	57.5	57.5	57.5
42.5°	50.5	50.5	49.1	49.1
45°	43.4	43.4	43.4	43.4
47.5°	40.7	40.7	40.7	40.7
50°	39.3	40.7	40.7	40.7
52.5°	40.7	40.7	40.7	40.7
55°	40.7	42.0	42.0	42.0
57.5°	40.7	42.0	42.0	43.4
60°	42.0	43.4	43.4	43.4
62.5°	42.0	43.4	43.4	43.4
65°	40.7	42.0	42.0	42.0
66°	40.7	40.7	40.7	42.0
67.5°	39.3	40.7	40.7	40.7
70°	37.9	39.3	39.3	40.7
72.5°	37.9	39.3	39.3	39.3
75°	36.5	36.5	37.9	37.9
77.5°	35.1	35.1	36.5	36.5
80°	33.7	35.1	35.1	35.1
82.5°	32.3	33.7	33.7	33.7
85°	29.5	30.9	30.9	30.9
87.5°	25.2	25.2	26.7	26.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)