

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: P181568

Luminaire Tested: **ICM-E06-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181568
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-E06-LED-E1-T4-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9859.3 lumens
Efficiency: N/A
Efficacy: 65.5 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 - G3

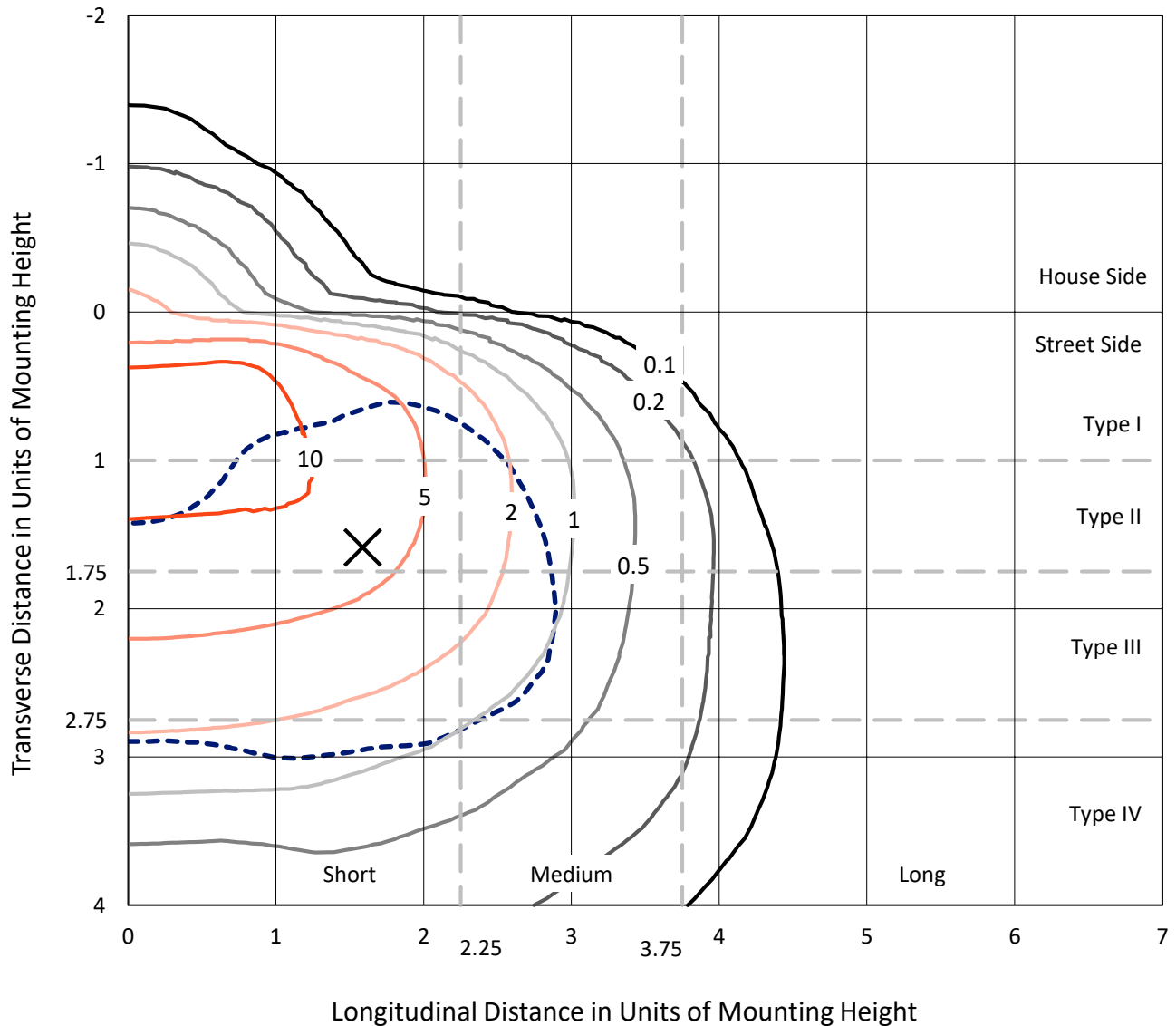
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

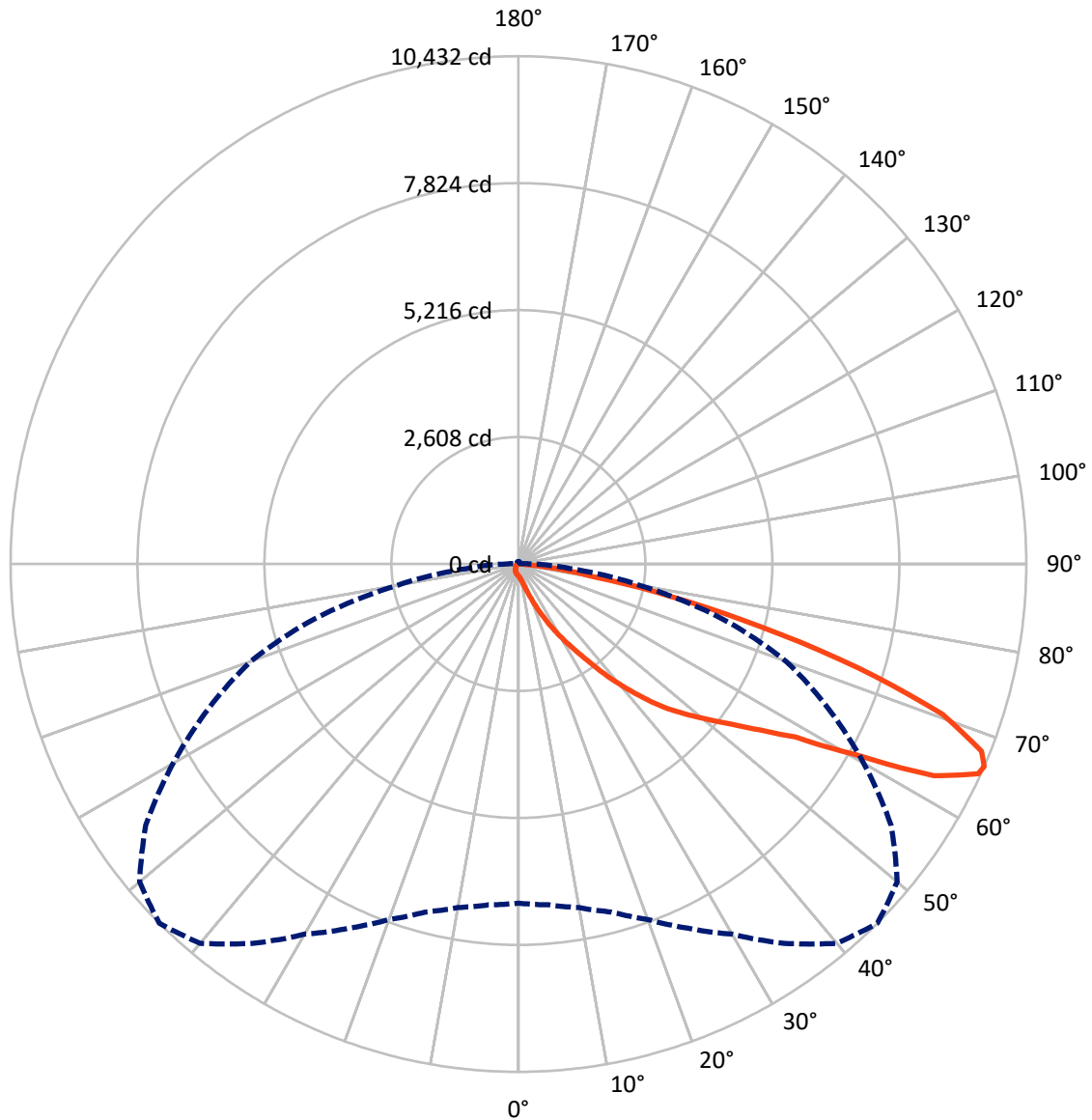
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 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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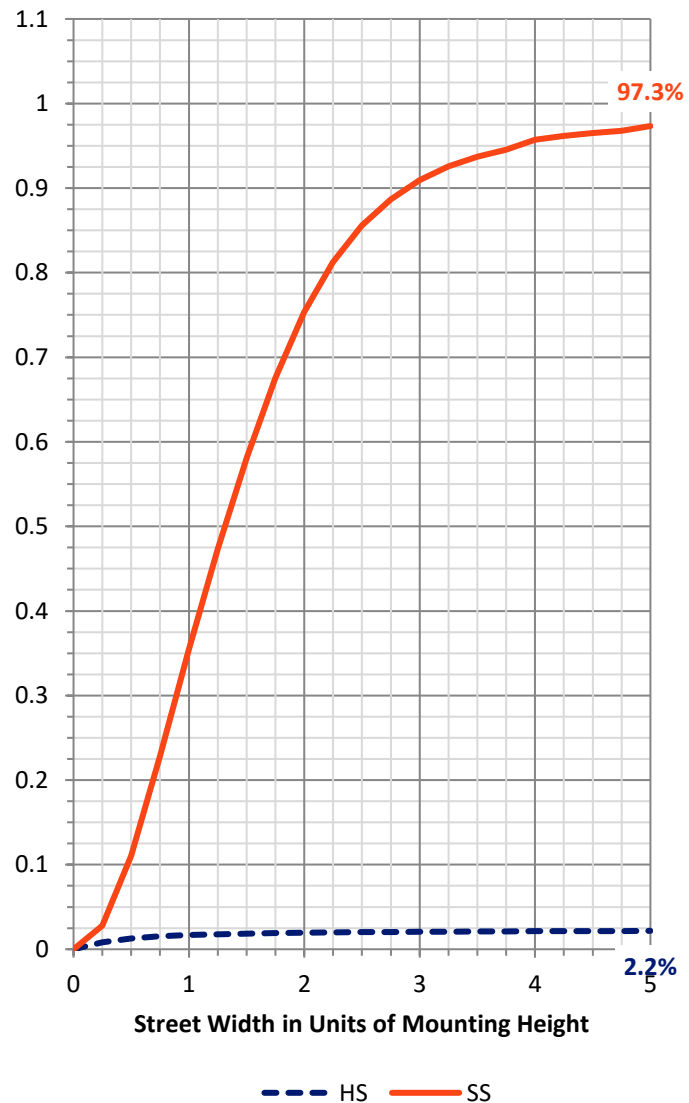
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	223.5	0.0	223.5
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	9635.9	0.0	9635.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	9859.3	0.0	9859.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.3
10°-20°	100.5	1.0
20°-30°	294.6	3.0
30°-40°	688.1	7.0
40°-50°	1292.4	13.1
50°-60°	2141.8	21.7
60°-70°	3400.0	34.5
70°-80°	1758.4	17.8
80°-90°	158.8	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°	9859.3	100.0
0°-180°	9859.3	100.0



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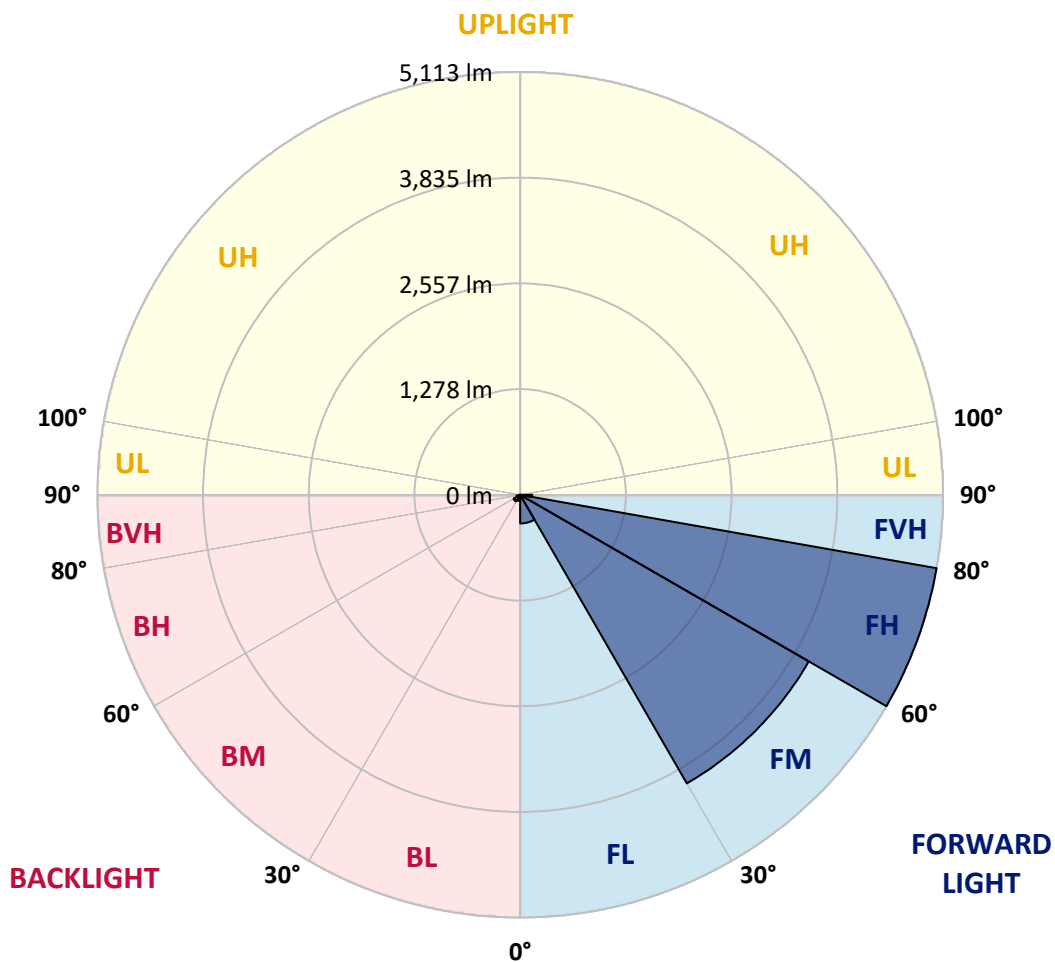
CATALOG NUMBER: ICM-E06-LED-E1-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.9	3.5			
FM	(30°-60°)	4029.5	40.9			
FH	(60°-80°)	5113.1	51.9			G3/7500
FVH	(80°-90°)	146.3	1.5			G2/225
BL	(0°-30°)	73.0	0.7	B0/110		
BM	(30°-60°)	92.7	0.9	B0/220		
BH	(60°-80°)	45.3	0.5	B0/110		G0/110
BVH	(80°-90°)	12.6	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2.5°	266.8	266.8	266.8	266.8	265.1	263.4	261.7	260.0	258.3	258.3	256.6
5°	302.5	304.2	302.5	300.7	297.4	295.6	290.6	287.2	282.0	280.4	275.3
7.5°	351.7	350.0	351.7	346.6	339.8	338.1	331.4	322.9	316.1	305.9	299.1
10°	423.1	421.4	423.1	412.9	402.7	394.2	382.3	372.1	356.8	344.9	331.4
12.5°	536.9	536.9	533.6	520.0	506.4	487.7	469.0	446.9	419.7	395.9	373.9
15°	712.0	703.5	688.2	679.7	655.9	627.1	606.6	562.4	523.4	486.0	441.8
17.5°	922.7	905.7	893.8	875.2	844.6	807.2	773.1	708.6	669.5	608.4	545.5
20°	1164.0	1143.6	1140.2	1111.4	1079.1	1038.2	988.9	912.5	846.2	769.8	681.4
22.5°	1410.4	1413.8	1400.2	1379.8	1347.5	1299.9	1223.4	1153.8	1072.2	975.4	861.5
25°	1685.7	1684.0	1672.1	1648.3	1624.5	1565.0	1503.8	1437.6	1340.8	1216.7	1080.8
27.5°	1943.9	1942.2	1913.4	1915.1	1869.2	1847.1	1787.6	1716.3	1599.0	1495.4	1347.5
30°	2214.2	2197.1	2178.4	2164.9	2132.6	2093.5	2062.9	1978.0	1889.6	1767.3	1646.6
32.5°	2487.7	2469.0	2474.2	2457.1	2431.6	2392.6	2346.7	2277.0	2181.9	2062.9	1950.8
35°	2822.4	2814.0	2800.4	2805.5	2800.4	2771.5	2732.4	2640.7	2537.0	2423.2	2307.6
37.5°	3070.5	3062.1	3070.5	3106.3	3114.7	3133.4	3104.6	3058.7	2983.9	2859.8	2739.2
40°	3300.0	3301.7	3340.8	3385.0	3415.6	3476.7	3486.9	3468.2	3408.8	3294.9	3136.9
42.5°	3505.6	3531.1	3566.7	3639.8	3706.1	3792.8	3857.3	3867.6	3823.4	3748.6	3588.9
45°	3735.0	3757.0	3813.1	3899.8	3991.6	4098.6	4202.3	4256.7	4253.2	4200.6	4029.0
47.5°	3991.6	4020.5	4081.6	4153.0	4275.4	4396.0	4530.3	4627.1	4667.8	4594.8	4428.3
50°	4302.5	4314.4	4367.1	4458.9	4571.0	4710.4	4856.5	4997.5	5077.4	5009.4	4837.8
52.5°	4671.3	4674.7	4723.9	4809.0	4899.0	5051.9	5194.6	5390.1	5493.7	5456.3	5250.7
55°	5177.7	5167.5	5201.4	5274.5	5347.6	5495.5	5638.2	5859.1	6010.3	6013.7	5794.5
57.5°	5869.2	5845.5	5867.6	5925.3	6006.9	6144.5	6324.7	6520.1	6722.3	6708.7	6528.6
60°	6832.8	6824.2	6865.1	6961.9	7101.3	7244.0	7447.9	7711.3	7889.7	7950.8	7762.3
62.5°	7473.3	7497.2	7590.7	7740.1	8008.6	8304.3	8683.2	9086.0	9425.8	9578.8	9318.8
65°	7198.1	7237.2	7383.3	7604.2	7959.4	8402.8	8905.8	9566.8	10153.1	10385.9	10115.7
66°	6965.3	7028.1	7165.8	7400.3	7770.7	8255.0	8780.1	9510.8	10170.1	10431.8	10156.5
67.5°	6562.6	6606.7	6763.1	7023.1	7420.7	7899.9	8467.4	9238.9	9983.2	10260.2	9986.6
70°	5741.8	5758.8	5886.3	6107.2	6414.7	6905.8	7420.7	8163.3	8848.1	9237.2	8938.1
72.5°	4273.7	4297.4	4508.1	4910.9	5310.2	5588.9	5893.1	6487.8	6929.6	7293.3	7235.5
75°	2056.1	2066.3	2207.4	2795.3	3573.6	3906.6	4188.7	4649.2	4817.4	5121.6	5075.8
77.5°	1303.4	1325.4	1417.2	1559.9	2001.8	2397.7	2620.3	2883.6	2932.9	3189.5	3040.0
80°	358.5	416.3	508.1	747.6	1283.0	1529.3	1629.6	1619.4	1629.6	1551.5	1500.5
82.5°	73.0	71.3	86.7	134.2	565.9	890.4	961.8	819.1	814.0	783.4	808.8
85°	18.7	17.0	20.4	42.5	96.8	263.4	331.4	185.2	141.0	134.2	119.0
87.5°	5.1	5.1	5.1	8.5	10.2	13.6	18.7	13.6	10.2	10.2	10.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2.5°	254.9	254.9	253.2	251.5	251.5	249.8	248.1	246.4	244.7	243.0	241.3
5°	270.1	266.8	261.7	258.3	254.9	249.8	246.4	243.0	239.6	237.9	234.5
7.5°	290.6	282.0	275.3	265.1	258.3	251.5	244.7	239.6	234.5	231.1	227.7
10°	316.1	302.5	288.8	275.3	263.4	253.2	243.0	234.5	229.4	224.3	220.9
12.5°	348.4	328.0	309.3	288.8	270.1	254.9	241.3	231.1	224.3	219.2	214.1
15°	401.0	368.7	336.5	305.9	282.0	258.3	239.6	227.7	219.2	214.1	209.0
17.5°	484.3	426.5	375.5	333.0	294.0	263.4	239.6	224.3	214.1	207.4	202.2
20°	604.9	509.8	428.2	367.1	316.1	271.9	239.6	219.2	209.0	200.6	195.4
22.5°	747.6	628.7	516.6	414.6	341.6	283.8	239.6	214.1	202.2	195.4	188.7
25°	956.7	798.6	645.7	503.0	384.0	302.5	244.7	210.7	197.1	188.7	181.9
27.5°	1201.4	1011.1	820.7	620.2	448.6	329.7	251.5	207.4	192.0	181.9	175.1
30°	1480.1	1269.3	1036.6	776.6	533.6	365.3	263.4	205.6	185.2	175.1	166.5
32.5°	1782.5	1559.9	1305.0	977.1	659.4	419.7	278.7	203.9	178.4	166.5	156.4
35°	2142.8	1935.5	1624.5	1259.2	854.7	513.2	312.7	207.4	171.6	158.0	146.1
37.5°	2537.0	2316.1	1986.4	1558.2	1048.5	618.5	338.1	202.2	159.7	146.1	134.2
40°	2934.6	2681.4	2346.7	1872.6	1294.8	747.6	370.4	197.1	147.8	134.2	122.3
42.5°	3322.1	3055.3	2691.6	2195.5	1554.8	900.7	411.3	197.1	139.3	122.3	110.4
45°	3728.2	3407.0	3009.4	2504.8	1813.1	1075.6	469.0	195.4	129.1	112.2	98.5
47.5°	4112.2	3731.6	3274.5	2776.6	2090.1	1267.6	535.3	197.1	120.7	102.0	90.0
50°	4475.8	4039.2	3546.3	3019.6	2355.2	1475.0	616.8	198.8	112.2	93.5	81.6
52.5°	4873.5	4389.2	3838.6	3269.4	2616.9	1684.0	712.0	202.2	103.6	84.9	74.8
55°	5366.3	4829.3	4198.9	3575.3	2893.9	1894.7	803.7	205.6	95.2	78.1	68.0
57.5°	6076.6	5464.9	4783.5	4034.1	3260.9	2134.2	898.9	214.1	88.4	73.0	62.9
60°	7232.0	6503.1	5716.3	4832.7	3809.8	2458.8	1036.6	232.8	79.9	66.2	59.4
62.5°	8622.1	7745.3	6744.4	5672.1	4326.4	2678.1	1128.3	253.2	73.0	61.2	56.1
65°	9322.2	8217.6	7063.9	5906.6	4392.6	2613.5	1090.9	246.4	64.6	54.4	47.5
66°	9342.6	8192.1	7019.7	5855.7	4324.7	2535.3	1055.3	243.0	62.9	52.7	44.2
67.5°	9148.9	7973.0	6785.2	5624.6	4124.1	2384.1	990.7	231.1	57.8	47.5	39.1
70°	8192.1	7046.8	5957.6	4885.4	3548.1	2008.6	831.0	203.9	51.0	42.5	35.7
72.5°	6530.3	5597.4	4679.7	3843.7	2757.9	1507.3	655.9	166.5	44.2	37.4	30.6
75°	4560.9	3794.4	3096.0	2499.6	1733.2	902.3	424.8	117.2	37.4	30.6	25.5
77.5°	2545.5	2018.7	1526.0	1162.3	691.6	282.0	141.0	59.4	32.3	23.8	20.4
80°	1294.8	960.1	730.7	538.7	319.4	146.1	71.3	39.1	25.5	18.7	17.0
82.5°	752.7	552.3	440.1	348.4	219.2	110.4	57.8	28.9	17.0	13.6	15.3
85°	168.2	222.6	188.7	159.7	117.2	69.7	40.7	18.7	11.9	11.9	13.6
87.5°	13.6	18.7	17.0	22.0	23.8	22.0	17.0	10.2	8.5	10.2	10.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2.5°	239.6	237.9	237.9	236.2	234.5	234.5	234.5	232.8	234.5	234.5	234.5
5°	232.8	231.1	229.4	227.7	226.0	224.3	224.3	222.6	222.6	222.6	224.3
7.5°	226.0	222.6	220.9	217.5	215.8	214.1	214.1	212.4	212.4	212.4	212.4
10°	217.5	214.1	210.7	209.0	207.4	203.9	203.9	202.2	200.6	200.6	200.6
12.5°	210.7	207.4	203.9	200.6	197.1	195.4	193.7	192.0	190.3	190.3	190.3
15°	203.9	198.8	195.4	192.0	188.7	185.2	183.5	181.9	180.1	178.4	178.4
17.5°	197.1	192.0	186.9	183.5	180.1	176.7	175.1	170.0	170.0	168.2	168.2
20°	188.7	183.5	178.4	175.1	171.6	168.2	164.8	161.4	158.0	156.4	156.4
22.5°	181.9	176.7	171.6	166.5	161.4	156.4	152.9	149.5	147.8	146.1	144.5
25°	175.1	168.2	161.4	156.4	151.3	146.1	142.7	139.3	135.9	134.2	134.2
27.5°	166.5	159.7	152.9	146.1	141.0	135.9	132.6	127.4	125.8	124.0	122.3
30°	158.0	149.5	142.7	135.9	130.9	124.0	120.7	117.2	113.9	113.9	112.2
32.5°	147.8	139.3	132.6	125.8	119.0	113.9	110.4	107.1	105.4	102.0	102.0
35°	137.7	129.1	120.7	113.9	108.7	103.6	100.3	96.8	93.5	91.7	91.7
37.5°	125.8	117.2	110.4	103.6	98.5	93.5	90.0	86.7	84.9	83.3	81.6
40°	112.2	103.6	98.5	93.5	88.4	84.9	79.9	76.5	74.8	73.0	71.3
42.5°	100.3	91.7	88.4	84.9	79.9	76.5	71.3	68.0	64.6	62.9	61.2
45°	90.0	83.3	79.9	76.5	71.3	66.2	62.9	59.4	56.1	54.4	54.4
47.5°	79.9	74.8	71.3	68.0	62.9	59.4	54.4	52.7	49.3	49.3	49.3
50°	73.0	68.0	64.6	61.2	57.8	52.7	49.3	47.5	45.9	45.9	47.5
52.5°	68.0	62.9	59.4	56.1	52.7	49.3	45.9	44.2	44.2	45.9	47.5
55°	62.9	57.8	54.4	51.0	47.5	45.9	42.5	42.5	44.2	45.9	47.5
57.5°	59.4	52.7	49.3	47.5	44.2	42.5	42.5	42.5	44.2	45.9	49.3
60°	54.4	47.5	44.2	44.2	40.7	40.7	40.7	42.5	44.2	47.5	49.3
62.5°	47.5	42.5	40.7	40.7	39.1	39.1	40.7	42.5	45.9	47.5	49.3
65°	40.7	37.4	37.4	37.4	37.4	39.1	40.7	42.5	44.2	47.5	49.3
66°	37.4	35.7	35.7	37.4	37.4	39.1	40.7	42.5	44.2	45.9	47.5
67.5°	35.7	34.0	34.0	35.7	37.4	37.4	39.1	42.5	44.2	45.9	45.9
70°	30.6	30.6	30.6	34.0	35.7	37.4	39.1	40.7	42.5	44.2	45.9
72.5°	27.2	27.2	28.9	30.6	34.0	35.7	37.4	39.1	42.5	44.2	44.2
75°	23.8	23.8	27.2	28.9	32.3	34.0	37.4	39.1	40.7	42.5	42.5
77.5°	20.4	22.0	25.5	28.9	30.6	34.0	35.7	37.4	39.1	40.7	40.7
80°	18.7	22.0	25.5	27.2	28.9	30.6	32.3	35.7	37.4	39.1	40.7
82.5°	18.7	20.4	23.8	25.5	27.2	30.6	32.3	34.0	35.7	37.4	39.1
85°	15.3	18.7	20.4	23.8	25.5	28.9	30.6	30.6	32.3	34.0	35.7
87.5°	11.9	13.6	13.6	17.0	18.7	22.0	25.5	25.5	27.2	28.9	30.6
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):

	165°	170°	175°	180°
0°	246.4	246.4	246.4	246.4
2.5°	234.5	236.2	236.2	236.2
5°	224.3	224.3	224.3	224.3
7.5°	212.4	212.4	212.4	212.4
10°	200.6	200.6	202.2	200.6
12.5°	190.3	188.7	188.7	188.7
15°	178.4	178.4	176.7	178.4
17.5°	166.5	166.5	164.8	164.8
20°	154.6	154.6	154.6	154.6
22.5°	144.5	142.7	142.7	142.7
25°	132.6	132.6	132.6	132.6
27.5°	122.3	122.3	122.3	122.3
30°	112.2	112.2	110.4	110.4
32.5°	102.0	102.0	102.0	102.0
35°	91.7	91.7	90.0	90.0
37.5°	79.9	79.9	79.9	79.9
40°	69.7	69.7	69.7	69.7
42.5°	61.2	61.2	59.4	59.4
45°	52.7	52.7	52.7	52.7
47.5°	49.3	49.3	49.3	49.3
50°	47.5	49.3	49.3	49.3
52.5°	49.3	49.3	49.3	49.3
55°	49.3	51.0	51.0	51.0
57.5°	49.3	51.0	51.0	52.7
60°	51.0	52.7	52.7	52.7
62.5°	51.0	52.7	52.7	52.7
65°	49.3	51.0	51.0	51.0
66°	49.3	49.3	49.3	51.0
67.5°	47.5	49.3	49.3	49.3
70°	45.9	47.5	47.5	49.3
72.5°	45.9	47.5	47.5	47.5
75°	44.2	44.2	45.9	45.9
77.5°	42.5	42.5	44.2	44.2
80°	40.7	42.5	42.5	42.5
82.5°	39.1	40.7	40.7	40.7
85°	35.7	37.4	37.4	37.4
87.5°	30.6	30.6	32.3	32.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)