

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: P181563

Luminaire Tested: **ICM-F05-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181563
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-F05-LED-E1-T4-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6782.6 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

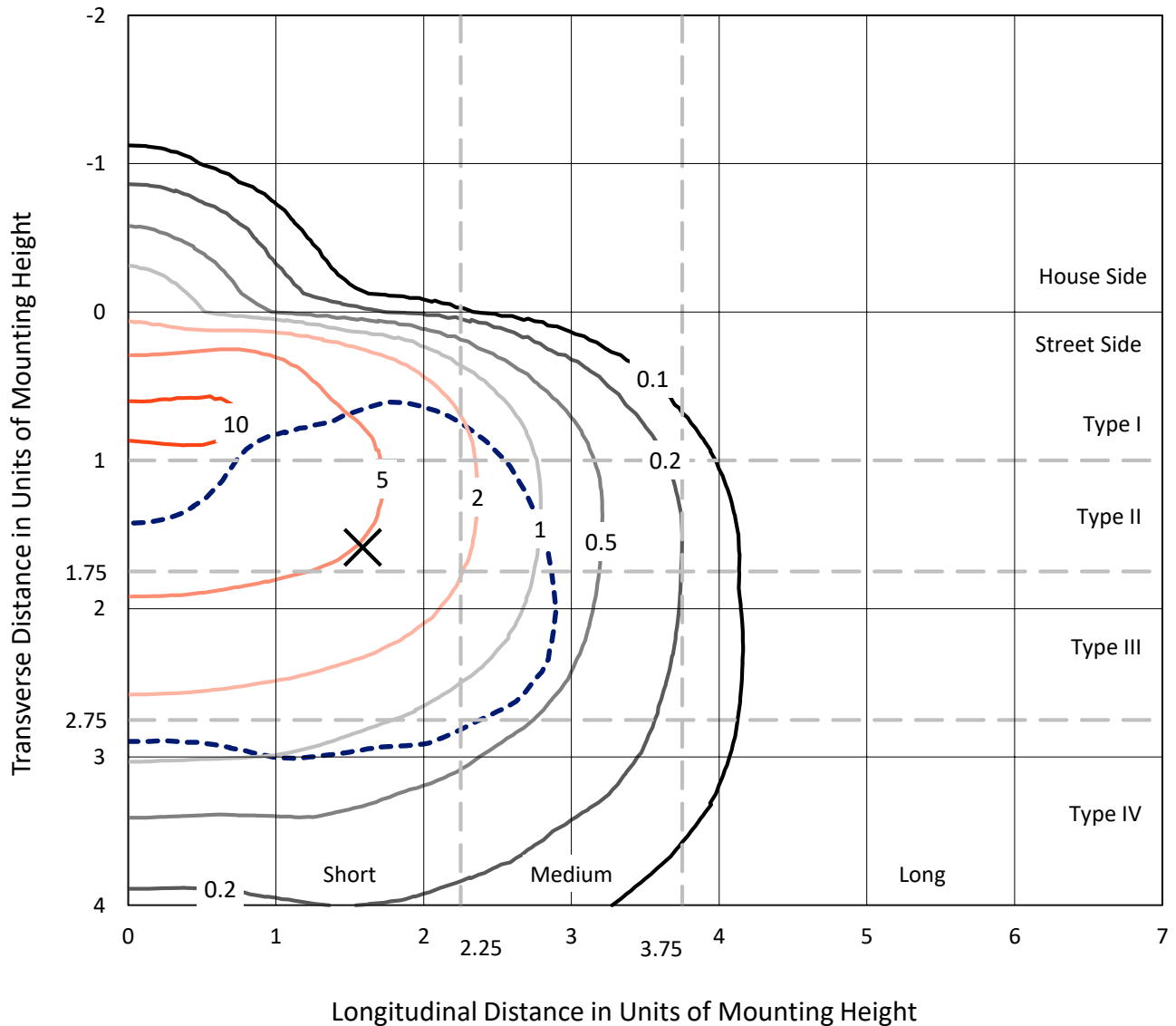
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

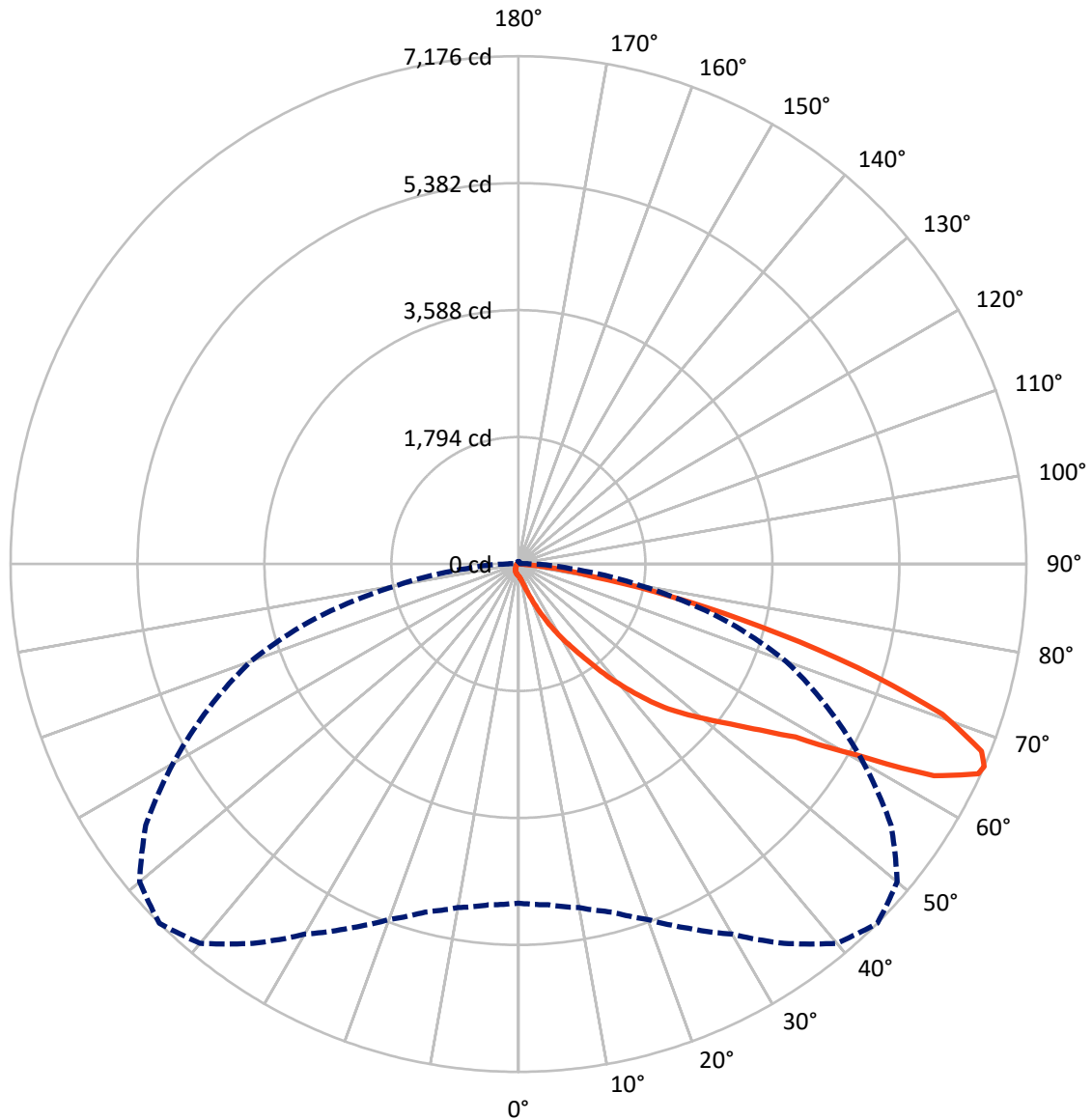
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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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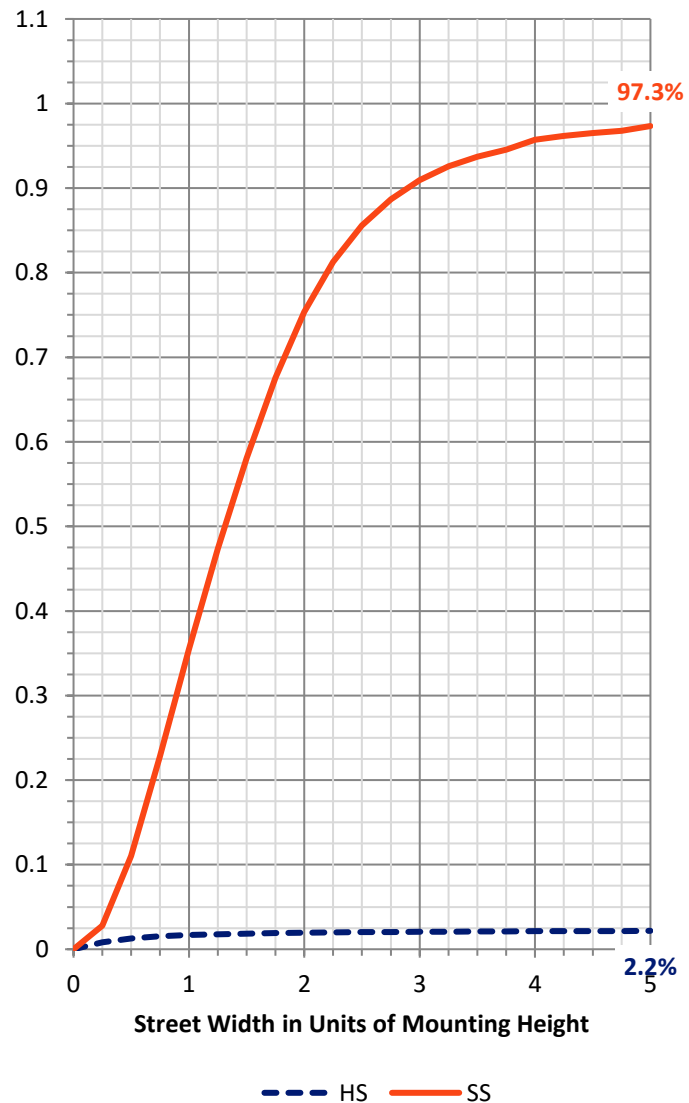
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	153.7	0.0	153.7
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	6628.9	0.0	6628.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	6782.6	0.0	6782.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.3
10°-20°	69.2	1.0
20°-30°	202.6	3.0
30°-40°	473.3	7.0
40°-50°	889.1	13.1
50°-60°	1473.4	21.7
60°-70°	2339.0	34.5
70°-80°	1209.6	17.8
80°-90°	109.3	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°	6782.6	100.0
0°-180°	6782.6	100.0



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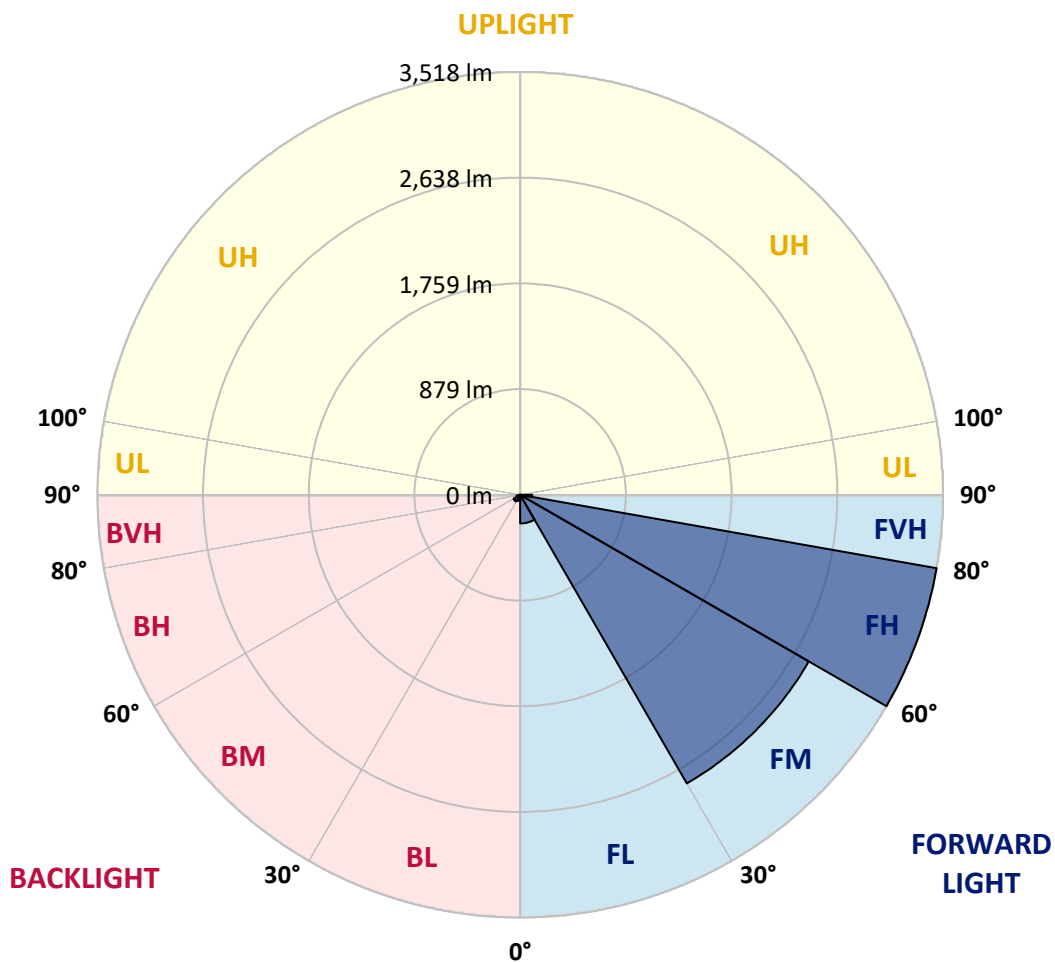
CATALOG NUMBER: ICM-F05-LED-E1-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.7	3.5			
FM	(30°-60°)	2772.1	40.9			
FH	(60°-80°)	3517.5	51.9			G2/5000
FVH	(80°-90°)	100.6	1.5			G2/225
BL	(0°-30°)	50.2	0.7	B0/110		
BM	(30°-60°)	63.8	0.9	B0/220		
BH	(60°-80°)	31.1	0.5	B0/110		G0/110
BVH	(80°-90°)	8.6	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	183.5	183.5	183.5	183.5	182.3	181.2	180.0	178.9	177.7	177.7	176.6
5°	208.1	209.2	208.1	206.9	204.6	203.4	199.9	197.6	194.0	192.8	189.4
7.5°	242.0	240.8	242.0	238.5	233.8	232.7	227.9	222.1	217.4	210.4	205.8
10°	291.1	290.0	291.1	284.1	277.0	271.2	263.0	256.0	245.5	237.3	227.9
12.5°	369.4	369.4	367.1	357.7	348.4	335.5	322.6	307.4	288.7	272.4	257.2
15°	489.8	484.0	473.4	467.6	451.3	431.4	417.3	387.0	360.0	334.3	303.9
17.5°	634.8	623.1	614.9	602.1	581.0	555.3	531.9	487.4	460.6	418.5	375.3
20°	800.7	786.7	784.4	764.6	742.3	714.2	680.4	627.7	582.1	529.6	468.7
22.5°	970.2	972.6	963.3	949.2	927.0	894.2	841.7	793.8	737.6	671.0	592.7
25°	1159.6	1158.4	1150.2	1134.0	1117.6	1076.7	1034.5	988.9	922.3	837.0	743.4
27.5°	1337.3	1336.2	1316.3	1317.5	1285.9	1270.7	1229.8	1180.7	1100.0	1028.8	927.0
30°	1523.2	1511.5	1498.6	1489.3	1467.1	1440.2	1419.2	1360.7	1299.9	1215.7	1132.8
32.5°	1711.4	1698.5	1702.1	1690.3	1672.8	1646.0	1614.3	1566.4	1500.9	1419.2	1342.0
35°	1941.7	1935.8	1926.5	1930.0	1926.5	1906.6	1879.7	1816.6	1745.3	1667.0	1587.5
37.5°	2112.4	2106.5	2112.4	2136.9	2142.8	2155.6	2135.7	2104.2	2052.8	1967.5	1884.4
40°	2270.2	2271.4	2298.2	2328.7	2349.7	2391.7	2398.8	2385.9	2345.0	2266.7	2158.0
42.5°	2411.6	2429.1	2453.7	2504.0	2549.6	2609.2	2653.6	2660.6	2630.2	2578.8	2468.9
45°	2569.4	2584.7	2623.2	2682.8	2746.0	2819.6	2890.9	2928.3	2926.0	2889.8	2771.6
47.5°	2746.0	2765.8	2807.9	2857.0	2941.1	3024.2	3116.5	3183.2	3211.2	3160.9	3046.3
50°	2959.9	2968.0	3004.3	3067.5	3144.6	3240.4	3341.0	3438.0	3493.0	3446.2	3328.1
52.5°	3213.5	3215.9	3249.8	3308.2	3370.2	3475.4	3573.6	3708.0	3779.4	3753.6	3612.2
55°	3561.9	3554.9	3578.3	3628.6	3678.8	3780.5	3878.7	4030.6	4134.7	4137.0	3986.3
57.5°	4037.7	4021.3	4036.5	4076.3	4132.4	4227.1	4351.0	4485.4	4624.5	4615.2	4491.3
60°	4700.5	4694.6	4722.7	4789.3	4885.2	4983.4	5123.7	5304.9	5427.7	5469.7	5339.9
62.5°	5141.2	5157.6	5221.9	5324.8	5509.4	5712.9	5973.5	6250.5	6484.4	6589.6	6410.7
65°	4951.8	4978.7	5079.3	5231.2	5475.6	5780.7	6126.6	6581.4	6984.7	7144.9	6959.0
66°	4791.7	4834.9	4929.6	5090.9	5345.8	5678.9	6040.1	6542.8	6996.4	7176.4	6987.0
67.5°	4514.6	4545.1	4652.6	4831.5	5105.0	5434.6	5825.1	6355.8	6867.9	7058.4	6870.2
70°	3950.0	3961.7	4049.4	4201.3	4413.0	4750.7	5105.0	5615.8	6086.9	6354.6	6148.9
72.5°	2940.0	2956.4	3101.3	3378.3	3653.0	3844.8	4054.1	4463.2	4767.1	5017.3	4977.5
75°	1414.5	1421.5	1518.5	1923.0	2458.3	2687.6	2881.6	3198.3	3314.1	3523.4	3491.7
77.5°	896.7	911.8	975.0	1073.1	1377.0	1649.4	1802.6	1983.7	2017.7	2194.2	2091.4
80°	246.7	286.4	349.5	514.3	882.6	1052.1	1121.0	1114.1	1121.0	1067.3	1032.2
82.5°	50.2	49.1	59.6	92.4	389.3	612.6	661.7	563.4	559.9	538.9	556.5
85°	12.8	11.7	14.0	29.2	66.6	181.2	227.9	127.4	97.0	92.4	81.9
87.5°	3.5	3.5	3.5	5.9	7.0	9.4	12.8	9.4	7.0	7.0	7.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	175.3	175.3	174.1	173.0	173.0	171.8	170.7	169.5	168.4	167.2	166.0
5°	185.9	183.5	180.0	177.7	175.3	171.8	169.5	167.2	164.8	163.6	161.3
7.5°	199.9	194.0	189.4	182.3	177.7	173.0	168.4	164.8	161.3	159.0	156.7
10°	217.4	208.1	198.7	189.4	181.2	174.1	167.2	161.3	157.8	154.3	152.0
12.5°	239.6	225.6	212.7	198.7	185.9	175.3	166.0	159.0	154.3	150.8	147.3
15°	275.9	253.7	231.4	210.4	194.0	177.7	164.8	156.7	150.8	147.3	143.8
17.5°	333.1	293.4	258.3	229.1	202.2	181.2	164.8	154.3	147.3	142.6	139.1
20°	416.2	350.7	294.6	252.5	217.4	187.1	164.8	150.8	143.8	138.0	134.4
22.5°	514.3	432.6	355.4	285.2	235.0	195.3	164.8	147.3	139.1	134.4	129.8
25°	658.1	549.4	444.2	346.0	264.2	208.1	168.4	144.9	135.6	129.8	125.1
27.5°	826.5	695.5	564.7	426.7	308.7	226.8	173.0	142.6	132.1	125.1	120.4
30°	1018.1	873.2	713.1	534.2	367.1	251.4	181.2	141.5	127.4	120.4	114.6
32.5°	1226.2	1073.1	897.8	672.2	453.6	288.7	191.7	140.3	122.7	114.6	107.5
35°	1474.1	1331.5	1117.6	866.2	588.0	353.0	215.1	142.6	118.0	108.7	100.6
37.5°	1745.3	1593.3	1366.5	1072.0	721.3	425.5	232.7	139.1	109.9	100.6	92.4
40°	2018.8	1844.7	1614.3	1288.2	890.8	514.3	254.9	135.6	101.7	92.4	84.2
42.5°	2285.4	2101.9	1851.6	1510.3	1069.6	619.5	282.9	135.6	95.8	84.2	76.0
45°	2564.8	2343.8	2070.2	1723.1	1247.4	740.0	322.6	134.4	88.8	77.1	67.8
47.5°	2828.9	2567.1	2252.7	1910.2	1437.9	872.1	368.2	135.6	83.0	70.1	62.0
50°	3079.1	2778.7	2439.6	2077.3	1620.2	1014.7	424.4	136.7	77.1	64.3	56.1
52.5°	3352.7	3019.5	2640.8	2249.1	1800.2	1158.4	489.8	139.1	71.3	58.4	51.4
55°	3691.7	3322.3	2888.6	2459.5	1990.8	1303.4	552.9	141.5	65.5	53.8	46.8
57.5°	4180.3	3759.5	3290.7	2775.2	2243.3	1468.3	618.4	147.3	60.7	50.2	43.3
60°	4975.2	4473.7	3932.5	3324.6	2620.9	1691.5	713.1	160.2	55.0	45.6	40.9
62.5°	5931.5	5328.2	4639.7	3902.1	2976.2	1842.3	776.2	174.1	50.2	42.0	38.6
65°	6413.1	5653.2	4859.5	4063.4	3021.9	1797.9	750.5	169.5	44.5	37.4	32.7
66°	6427.1	5635.7	4829.1	4028.3	2975.1	1744.1	726.0	167.2	43.3	36.3	30.4
67.5°	6293.8	5484.9	4667.7	3869.3	2837.1	1640.1	681.5	159.0	39.7	32.7	26.9
70°	5635.7	4847.8	4098.4	3360.9	2440.9	1381.8	571.6	140.3	35.1	29.2	24.6
72.5°	4492.4	3850.6	3219.4	2644.3	1897.3	1036.9	451.3	114.6	30.4	25.7	21.0
75°	3137.6	2610.3	2129.9	1719.5	1192.4	620.7	292.3	80.7	25.7	21.0	17.5
77.5°	1751.2	1388.8	1049.8	799.6	475.8	194.0	97.0	40.9	22.2	16.4	14.0
80°	890.8	660.5	502.7	370.6	219.8	100.6	49.1	26.9	17.5	12.8	11.7
82.5°	517.9	379.9	302.8	239.6	150.8	76.0	39.7	19.9	11.7	9.4	10.5
85°	115.7	153.1	129.8	109.9	80.7	47.9	28.1	12.8	8.2	8.2	9.4
87.5°	9.4	12.8	11.7	15.2	16.4	15.2	11.7	7.0	5.9	7.0	7.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	164.8	163.6	163.6	162.5	161.3	161.3	161.3	160.2	161.3	161.3	161.3
5°	160.2	159.0	157.8	156.7	155.4	154.3	154.3	153.1	153.1	153.1	154.3
7.5°	155.4	153.1	152.0	149.7	148.5	147.3	147.3	146.1	146.1	146.1	146.1
10°	149.7	147.3	144.9	143.8	142.6	140.3	140.3	139.1	138.0	138.0	138.0
12.5°	144.9	142.6	140.3	138.0	135.6	134.4	133.3	132.1	130.9	130.9	130.9
15°	140.3	136.7	134.4	132.1	129.8	127.4	126.2	125.1	123.9	122.7	122.7
17.5°	135.6	132.1	128.6	126.2	123.9	121.6	120.4	116.9	116.9	115.7	115.7
20°	129.8	126.2	122.7	120.4	118.0	115.7	113.4	111.1	108.7	107.5	107.5
22.5°	125.1	121.6	118.0	114.6	111.1	107.5	105.2	102.9	101.7	100.6	99.3
25°	120.4	115.7	111.1	107.5	104.0	100.6	98.2	95.8	93.5	92.4	92.4
27.5°	114.6	109.9	105.2	100.6	97.0	93.5	91.2	87.6	86.5	85.3	84.2
30°	108.7	102.9	98.2	93.5	90.0	85.3	83.0	80.7	78.3	78.3	77.1
32.5°	101.7	95.8	91.2	86.5	81.9	78.3	76.0	73.7	72.5	70.1	70.1
35°	94.7	88.8	83.0	78.3	74.8	71.3	68.9	66.6	64.3	63.2	63.2
37.5°	86.5	80.7	76.0	71.3	67.8	64.3	62.0	59.6	58.4	57.3	56.1
40°	77.1	71.3	67.8	64.3	60.7	58.4	55.0	52.6	51.4	50.2	49.1
42.5°	68.9	63.2	60.7	58.4	55.0	52.6	49.1	46.8	44.5	43.3	42.0
45°	62.0	57.3	55.0	52.6	49.1	45.6	43.3	40.9	38.6	37.4	37.4
47.5°	55.0	51.4	49.1	46.8	43.3	40.9	37.4	36.3	33.9	33.9	33.9
50°	50.2	46.8	44.5	42.0	39.7	36.3	33.9	32.7	31.5	31.5	32.7
52.5°	46.8	43.3	40.9	38.6	36.3	33.9	31.5	30.4	30.4	31.5	32.7
55°	43.3	39.7	37.4	35.1	32.7	31.5	29.2	29.2	30.4	31.5	32.7
57.5°	40.9	36.3	33.9	32.7	30.4	29.2	29.2	29.2	30.4	31.5	33.9
60°	37.4	32.7	30.4	30.4	28.1	28.1	28.1	29.2	30.4	32.7	33.9
62.5°	32.7	29.2	28.1	28.1	26.9	26.9	28.1	29.2	31.5	32.7	33.9
65°	28.1	25.7	25.7	25.7	25.7	26.9	28.1	29.2	30.4	32.7	33.9
66°	25.7	24.6	24.6	25.7	25.7	26.9	28.1	29.2	30.4	31.5	32.7
67.5°	24.6	23.3	23.3	24.6	25.7	25.7	26.9	29.2	30.4	31.5	31.5
70°	21.0	21.0	21.0	23.3	24.6	25.7	26.9	28.1	29.2	30.4	31.5
72.5°	18.7	18.7	19.9	21.0	23.3	24.6	25.7	26.9	29.2	30.4	30.4
75°	16.4	16.4	18.7	19.9	22.2	23.3	25.7	26.9	28.1	29.2	29.2
77.5°	14.0	15.2	17.5	19.9	21.0	23.3	24.6	25.7	26.9	28.1	28.1
80°	12.8	15.2	17.5	18.7	19.9	21.0	22.2	24.6	25.7	26.9	28.1
82.5°	12.8	14.0	16.4	17.5	18.7	21.0	22.2	23.3	24.6	25.7	26.9
85°	10.5	12.8	14.0	16.4	17.5	19.9	21.0	21.0	22.2	23.3	24.6
87.5°	8.2	9.4	9.4	11.7	12.8	15.2	17.5	17.5	18.7	19.9	21.0
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):

	165°	170°	175°	180°
0°	169.5	169.5	169.5	169.5
2.5°	161.3	162.5	162.5	162.5
5°	154.3	154.3	154.3	154.3
7.5°	146.1	146.1	146.1	146.1
10°	138.0	138.0	139.1	138.0
12.5°	130.9	129.8	129.8	129.8
15°	122.7	122.7	121.6	122.7
17.5°	114.6	114.6	113.4	113.4
20°	106.4	106.4	106.4	106.4
22.5°	99.3	98.2	98.2	98.2
25°	91.2	91.2	91.2	91.2
27.5°	84.2	84.2	84.2	84.2
30°	77.1	77.1	76.0	76.0
32.5°	70.1	70.1	70.1	70.1
35°	63.2	63.2	62.0	62.0
37.5°	55.0	55.0	55.0	55.0
40°	47.9	47.9	47.9	47.9
42.5°	42.0	42.0	40.9	40.9
45°	36.3	36.3	36.3	36.3
47.5°	33.9	33.9	33.9	33.9
50°	32.7	33.9	33.9	33.9
52.5°	33.9	33.9	33.9	33.9
55°	33.9	35.1	35.1	35.1
57.5°	33.9	35.1	35.1	36.3
60°	35.1	36.3	36.3	36.3
62.5°	35.1	36.3	36.3	36.3
65°	33.9	35.1	35.1	35.1
66°	33.9	33.9	33.9	35.1
67.5°	32.7	33.9	33.9	33.9
70°	31.5	32.7	32.7	33.9
72.5°	31.5	32.7	32.7	32.7
75°	30.4	30.4	31.5	31.5
77.5°	29.2	29.2	30.4	30.4
80°	28.1	29.2	29.2	29.2
82.5°	26.9	28.1	28.1	28.1
85°	24.6	25.7	25.7	25.7
87.5°	21.0	21.0	22.2	22.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)