

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: P181518

Luminaire Tested: **ICM-E01-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181518
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-E01-LED-E1-T4-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1643.2 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

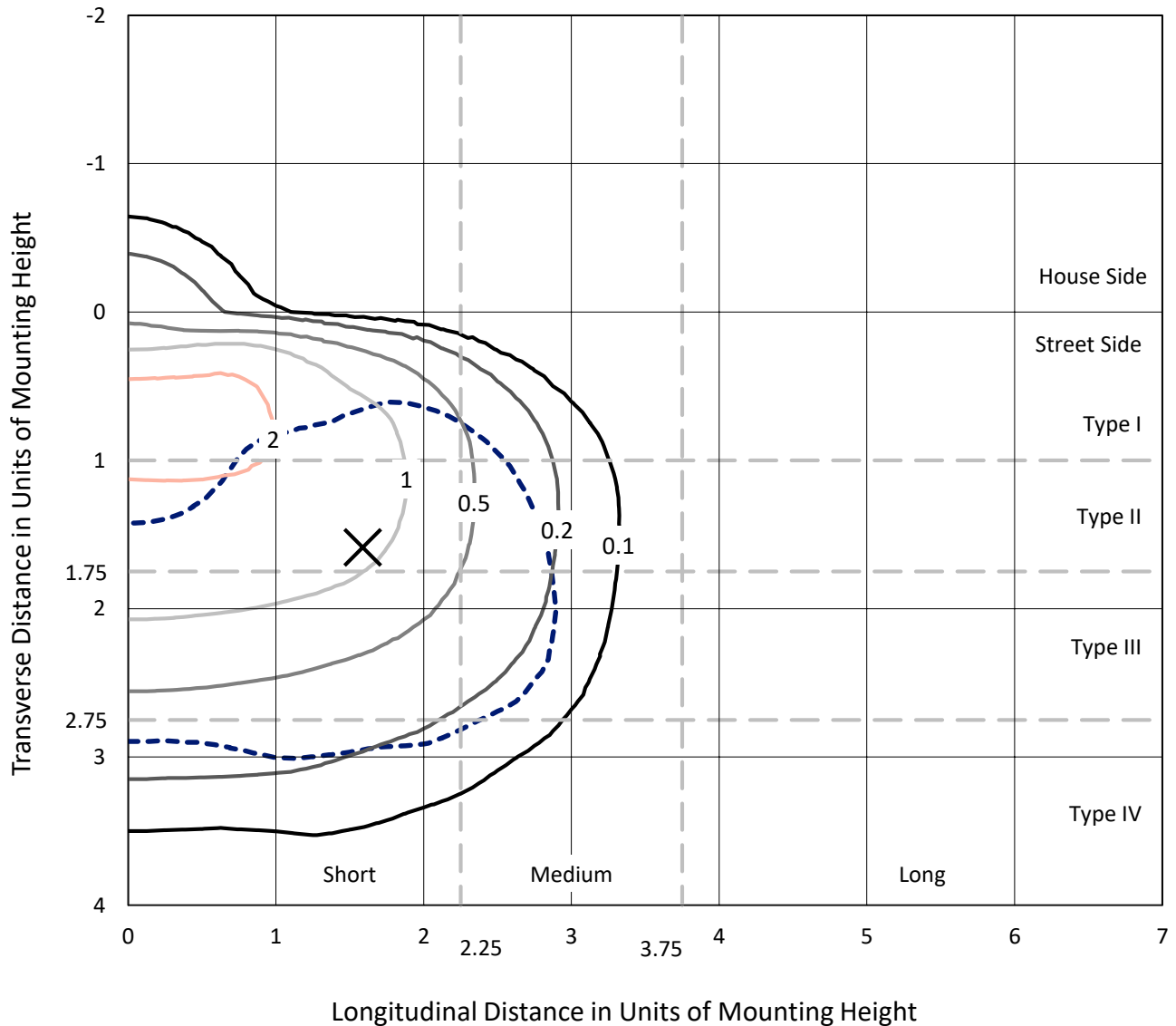
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

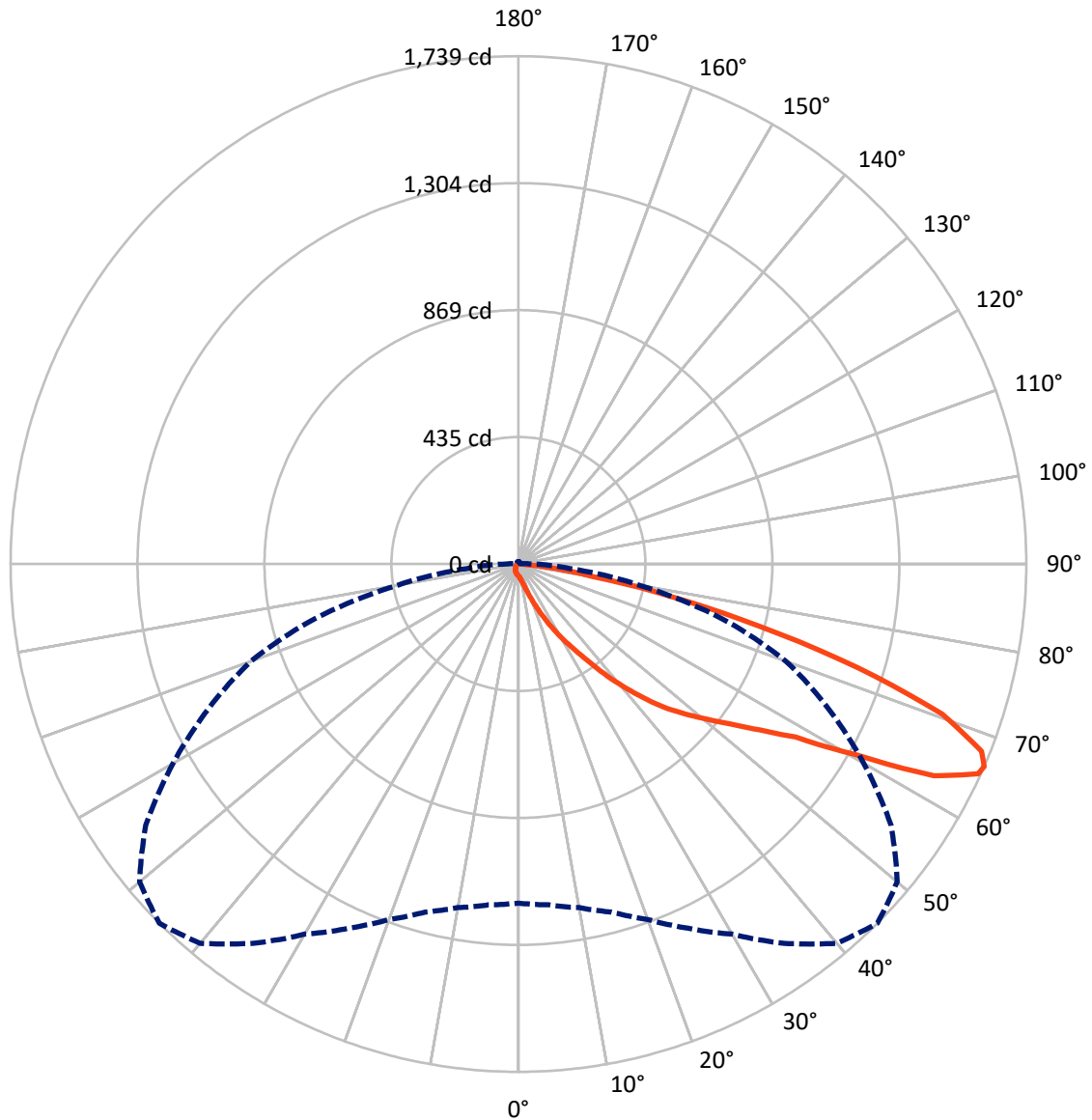
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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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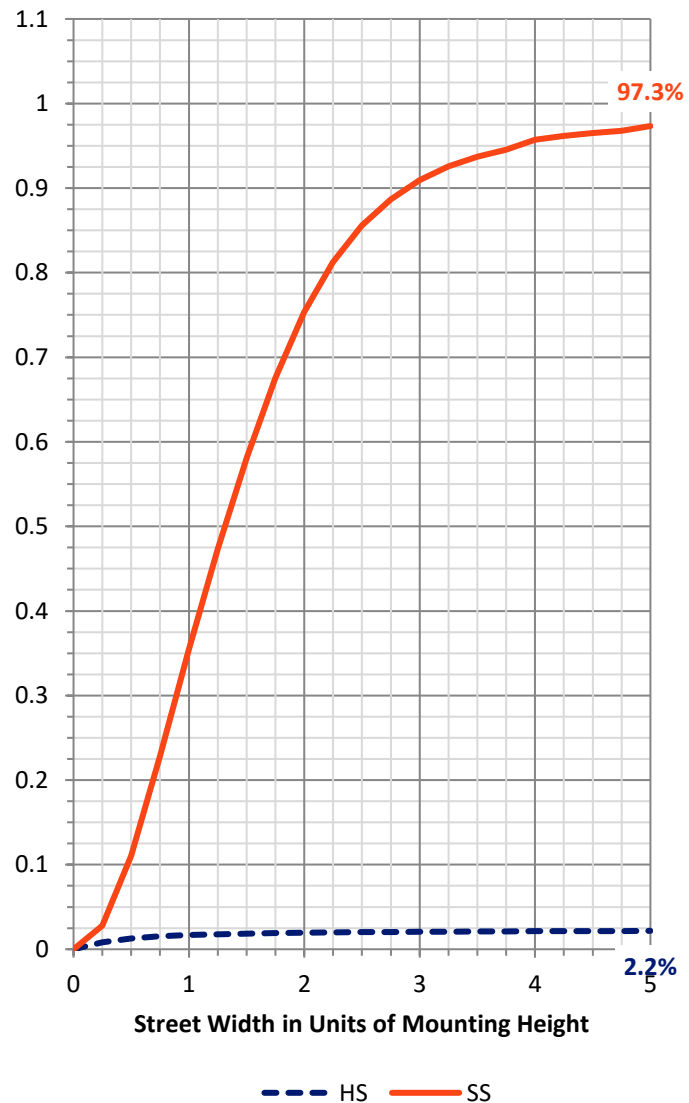
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.2	0.0	37.2
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1606.0	0.0	1606.0
	% Fixture	97.7	0.0	97.7
Total	Lumens	1643.2	0.0	1643.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.3
10°-20°	16.8	1.0
20°-30°	49.1	3.0
30°-40°	114.7	7.0
40°-50°	215.4	13.1
50°-60°	357.0	21.7
60°-70°	566.7	34.5
70°-80°	293.1	17.8
80°-90°	26.5	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°	1643.2	100.0
0°-180°	1643.2	100.0



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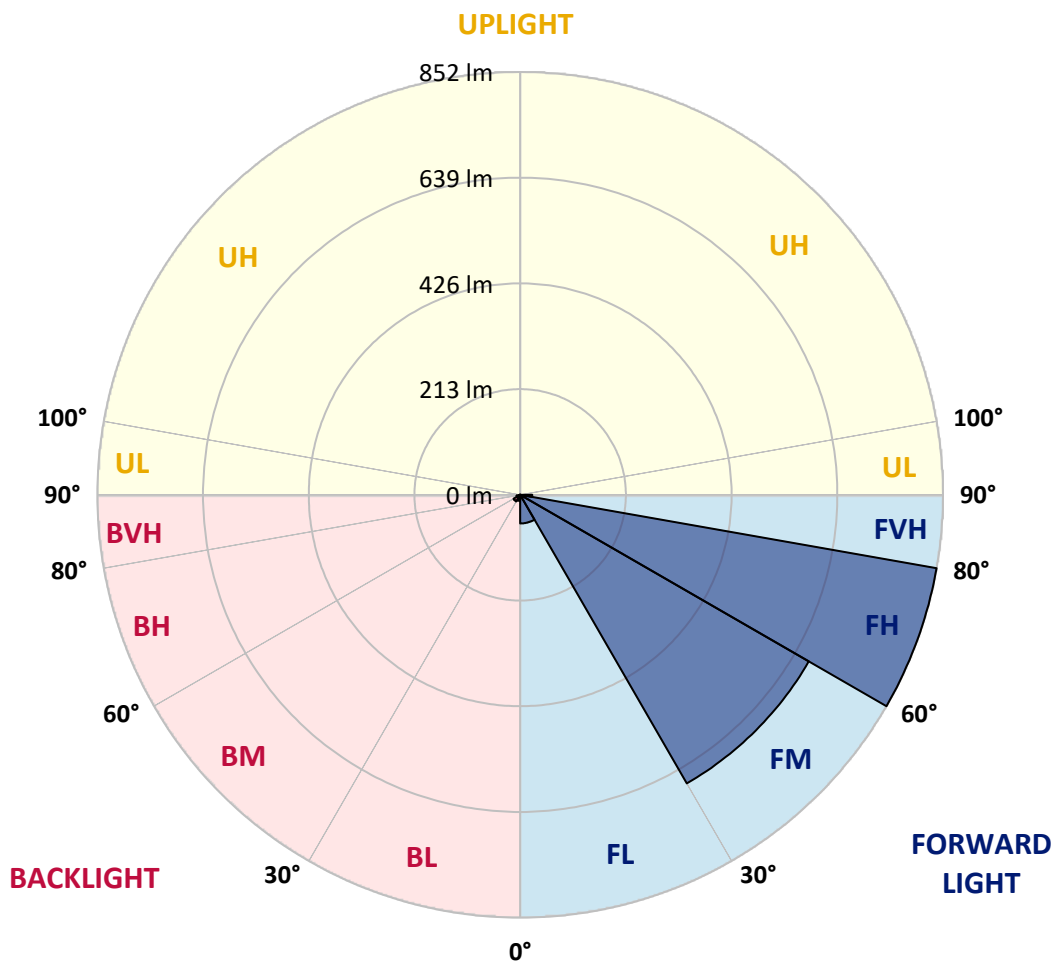
CATALOG NUMBER: ICM-E01-LED-E1-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.8	3.5			
FM	(30°-60°)	671.6	40.9			
FH	(60°-80°)	852.2	51.9			G1/1800
FVH	(80°-90°)	24.4	1.5			G1/100
BL	(0°-30°)	12.2	0.7	B0/110		
BM	(30°-60°)	15.4	0.9	B0/220		
BH	(60°-80°)	7.5	0.5	B0/110		G0/110
BVH	(80°-90°)	2.1	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	44.5	44.5	44.5	44.5	44.2	43.9	43.6	43.3	43.1	43.1	42.8
5°	50.4	50.7	50.4	50.1	49.6	49.3	48.5	47.9	47.0	46.7	45.9
7.5°	58.6	58.3	58.6	57.8	56.7	56.4	55.3	53.8	52.7	51.0	49.9
10°	70.5	70.2	70.5	68.8	67.2	65.7	63.7	62.0	59.4	57.5	55.3
12.5°	89.5	89.5	88.9	86.7	84.4	81.3	78.1	74.5	70.0	66.0	62.3
15°	118.7	117.2	114.7	113.3	109.3	104.5	101.1	93.8	87.3	81.0	73.7
17.5°	153.8	151.0	148.9	145.9	140.7	134.5	128.8	118.1	111.6	101.4	90.9
20°	194.0	190.6	190.0	185.2	179.8	173.0	164.8	152.1	141.0	128.3	113.6
22.5°	235.1	235.6	233.4	230.0	224.6	216.7	203.9	192.3	178.7	162.6	143.6
25°	280.9	280.7	278.7	274.7	270.8	260.8	250.6	239.6	223.4	202.8	180.1
27.5°	324.0	323.7	318.9	319.2	311.5	307.8	298.0	286.0	266.5	249.2	224.6
30°	369.0	366.2	363.1	360.8	355.4	348.9	343.8	329.7	314.9	294.5	274.4
32.5°	414.6	411.5	412.4	409.5	405.3	398.8	391.1	379.5	363.6	343.8	325.1
35°	470.4	469.0	466.7	467.5	466.7	462.0	455.4	440.1	422.8	403.8	384.6
37.5°	511.7	510.3	511.7	517.7	519.2	522.2	517.4	509.8	497.3	476.7	456.6
40°	550.0	550.2	556.7	564.2	569.2	579.4	581.1	578.1	568.1	549.1	522.8
42.5°	584.3	588.5	594.4	606.6	617.7	632.1	642.9	644.6	637.2	624.7	598.1
45°	622.5	626.1	635.5	650.0	665.3	683.1	700.4	709.4	708.8	700.1	671.5
47.5°	665.3	670.1	680.3	692.2	712.6	732.7	755.1	771.2	778.0	765.8	738.1
50°	717.1	719.1	727.8	743.2	761.9	785.0	809.4	832.9	846.2	834.9	806.3
52.5°	778.5	779.1	787.4	801.5	816.5	842.0	865.8	898.3	915.6	909.4	875.2
55°	863.0	861.2	866.9	879.1	891.3	915.9	939.7	976.5	1001.7	1002.2	965.8
57.5°	978.2	974.2	978.0	987.5	1001.1	1024.1	1054.1	1086.7	1120.4	1118.1	1088.1
60°	1138.8	1137.4	1144.2	1160.3	1183.5	1207.4	1241.3	1285.2	1315.0	1325.1	1293.7
62.5°	1245.6	1249.5	1265.1	1290.1	1334.8	1384.0	1447.2	1514.3	1571.0	1596.5	1553.1
65°	1199.7	1206.2	1230.5	1267.4	1326.5	1400.5	1484.3	1594.5	1692.2	1731.0	1686.0
66°	1160.8	1171.4	1194.3	1233.4	1295.2	1375.8	1463.4	1585.1	1695.0	1738.6	1692.8
67.5°	1093.8	1101.1	1127.2	1170.5	1236.8	1316.7	1411.3	1539.8	1663.8	1710.1	1664.5
70°	956.9	959.8	981.0	1017.9	1069.1	1151.0	1236.8	1360.6	1474.7	1539.5	1489.7
72.5°	712.3	716.3	751.4	818.5	885.0	931.4	982.1	1081.3	1154.9	1215.5	1205.9
75°	342.7	344.4	367.9	465.9	595.6	651.1	698.1	774.9	802.9	853.6	846.0
77.5°	217.2	220.9	236.2	260.0	333.6	399.6	436.7	480.7	488.8	531.6	506.7
80°	59.7	69.4	84.7	124.7	213.9	254.9	271.6	269.9	271.6	258.6	250.0
82.5°	12.2	11.9	14.4	22.4	94.3	148.4	160.3	136.5	135.6	130.6	134.8
85°	3.1	2.8	3.4	7.1	16.2	43.9	55.3	30.9	23.5	22.4	19.8
87.5°	0.8	0.8	0.8	1.4	1.7	2.2	3.1	2.2	1.7	1.7	1.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	42.5	42.5	42.2	42.0	42.0	41.7	41.3	41.0	40.7	40.5	40.2
5°	45.0	44.5	43.6	43.1	42.5	41.7	41.0	40.5	39.9	39.6	39.1
7.5°	48.5	47.0	45.9	44.2	43.1	42.0	40.7	39.9	39.1	38.5	38.0
10°	52.7	50.4	48.2	45.9	43.9	42.2	40.5	39.1	38.2	37.4	36.8
12.5°	58.0	54.7	51.5	48.2	45.0	42.5	40.2	38.5	37.4	36.6	35.7
15°	66.9	61.5	56.1	51.0	47.0	43.1	39.9	38.0	36.6	35.7	34.8
17.5°	80.7	71.1	62.6	55.5	49.0	43.9	39.9	37.4	35.7	34.5	33.7
20°	100.8	84.9	71.3	61.2	52.7	45.3	39.9	36.6	34.8	33.4	32.6
22.5°	124.7	104.7	86.1	69.1	56.9	47.3	39.9	35.7	33.7	32.6	31.4
25°	159.4	133.1	107.6	83.8	64.0	50.4	40.7	35.2	32.8	31.4	30.3
27.5°	200.2	168.5	136.7	103.3	74.8	55.0	42.0	34.5	32.0	30.3	29.2
30°	246.7	211.5	172.7	129.4	88.9	60.9	43.9	34.2	30.9	29.2	27.7
32.5°	297.1	260.0	217.5	162.9	109.9	70.0	46.4	34.0	29.8	27.7	26.0
35°	357.1	322.6	270.8	209.9	142.4	85.5	52.1	34.5	28.6	26.3	24.4
37.5°	422.8	386.0	331.1	259.7	174.7	103.1	56.4	33.7	26.6	24.4	22.4
40°	489.1	446.9	391.1	312.1	215.8	124.7	61.8	32.8	24.7	22.4	20.4
42.5°	553.7	509.2	448.6	365.9	259.2	150.1	68.6	32.8	23.3	20.4	18.4
45°	621.4	567.8	501.6	417.5	302.1	179.3	78.1	32.6	21.5	18.7	16.5
47.5°	685.4	622.0	545.8	462.8	348.4	211.3	89.2	32.8	20.1	17.0	15.0
50°	746.0	673.2	591.1	503.3	392.6	245.9	102.8	33.1	18.7	15.5	13.6
52.5°	812.3	731.5	639.8	544.9	436.2	280.7	118.7	33.7	17.3	14.1	12.5
55°	894.4	804.8	699.8	595.9	482.3	315.8	134.0	34.2	15.8	13.0	11.3
57.5°	1012.8	910.8	797.2	672.4	543.4	355.7	149.9	35.7	14.7	12.2	10.5
60°	1205.3	1083.8	952.8	805.5	635.0	409.8	172.7	38.8	13.3	11.1	10.0
62.5°	1437.0	1290.9	1124.1	945.4	721.0	446.3	188.1	42.2	12.2	10.2	9.3
65°	1553.7	1369.6	1177.3	984.5	732.1	435.5	181.9	41.0	10.8	9.0	7.9
66°	1557.1	1365.4	1170.0	975.9	720.7	422.5	175.9	40.5	10.5	8.7	7.3
67.5°	1524.8	1328.8	1130.9	937.4	687.4	397.3	165.1	38.5	9.7	7.9	6.5
70°	1365.4	1174.5	992.9	814.2	591.4	334.8	138.5	34.0	8.5	7.1	6.0
72.5°	1088.4	932.9	780.0	640.7	459.6	251.2	109.3	27.7	7.3	6.2	5.1
75°	760.1	632.4	516.0	416.6	288.8	150.4	70.8	19.5	6.2	5.1	4.3
77.5°	424.3	336.5	254.3	193.7	115.3	47.0	23.5	10.0	5.4	4.0	3.4
80°	215.8	160.0	121.8	89.8	53.2	24.4	11.9	6.5	4.3	3.1	2.8
82.5°	125.5	92.0	73.4	58.0	36.6	18.4	9.7	4.8	2.8	2.2	2.5
85°	28.0	37.1	31.4	26.6	19.5	11.6	6.8	3.1	2.0	2.0	2.2
87.5°	2.2	3.1	2.8	3.7	4.0	3.7	2.8	1.7	1.4	1.7	1.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	39.9	39.6	39.6	39.3	39.1	39.1	39.1	38.8	39.1	39.1	39.1
5°	38.8	38.5	38.2	38.0	37.7	37.4	37.4	37.1	37.1	37.1	37.4
7.5°	37.7	37.1	36.8	36.3	36.0	35.7	35.7	35.4	35.4	35.4	35.4
10°	36.3	35.7	35.2	34.8	34.5	34.0	34.0	33.7	33.4	33.4	33.4
12.5°	35.2	34.5	34.0	33.4	32.8	32.6	32.3	32.0	31.7	31.7	31.7
15°	34.0	33.1	32.6	32.0	31.4	30.9	30.6	30.3	30.0	29.8	29.8
17.5°	32.8	32.0	31.2	30.6	30.0	29.5	29.2	28.3	28.3	28.0	28.0
20°	31.4	30.6	29.8	29.2	28.6	28.0	27.4	26.9	26.3	26.0	26.0
22.5°	30.3	29.5	28.6	27.7	26.9	26.0	25.5	24.9	24.7	24.4	24.1
25°	29.2	28.0	26.9	26.0	25.2	24.4	23.8	23.3	22.7	22.4	22.4
27.5°	27.7	26.6	25.5	24.4	23.5	22.7	22.0	21.2	20.9	20.7	20.4
30°	26.3	24.9	23.8	22.7	21.8	20.7	20.1	19.5	19.0	19.0	18.7
32.5°	24.7	23.3	22.0	20.9	19.8	19.0	18.4	17.9	17.6	17.0	17.0
35°	23.0	21.5	20.1	19.0	18.1	17.3	16.7	16.2	15.5	15.3	15.3
37.5°	20.9	19.5	18.4	17.3	16.5	15.5	15.0	14.4	14.1	13.9	13.6
40°	18.7	17.3	16.5	15.5	14.7	14.1	13.3	12.7	12.5	12.2	11.9
42.5°	16.7	15.3	14.7	14.1	13.3	12.7	11.9	11.3	10.8	10.5	10.2
45°	15.0	13.9	13.3	12.7	11.9	11.1	10.5	10.0	9.3	9.0	9.0
47.5°	13.3	12.5	11.9	11.3	10.5	10.0	9.0	8.7	8.2	8.2	8.2
50°	12.2	11.3	10.8	10.2	9.7	8.7	8.2	7.9	7.6	7.6	7.9
52.5°	11.3	10.5	10.0	9.3	8.7	8.2	7.6	7.3	7.3	7.6	7.9
55°	10.5	9.7	9.0	8.5	7.9	7.6	7.1	7.1	7.3	7.6	7.9
57.5°	10.0	8.7	8.2	7.9	7.3	7.1	7.1	7.1	7.3	7.6	8.2
60°	9.0	7.9	7.3	7.3	6.8	6.8	6.8	7.1	7.3	7.9	8.2
62.5°	7.9	7.1	6.8	6.8	6.5	6.5	6.8	7.1	7.6	7.9	8.2
65°	6.8	6.2	6.2	6.2	6.2	6.5	6.8	7.1	7.3	7.9	8.2
66°	6.2	6.0	6.0	6.2	6.2	6.5	6.8	7.1	7.3	7.6	7.9
67.5°	6.0	5.7	5.7	6.0	6.2	6.2	6.5	7.1	7.3	7.6	7.6
70°	5.1	5.1	5.1	5.7	6.0	6.2	6.5	6.8	7.1	7.3	7.6
72.5°	4.6	4.6	4.8	5.1	5.7	6.0	6.2	6.5	7.1	7.3	7.3
75°	4.0	4.0	4.6	4.8	5.4	5.7	6.2	6.5	6.8	7.1	7.1
77.5°	3.4	3.7	4.3	4.8	5.1	5.7	6.0	6.2	6.5	6.8	6.8
80°	3.1	3.7	4.3	4.6	4.8	5.1	5.4	6.0	6.2	6.5	6.8
82.5°	3.1	3.4	4.0	4.3	4.6	5.1	5.4	5.7	6.0	6.2	6.5
85°	2.5	3.1	3.4	4.0	4.3	4.8	5.1	5.1	5.4	5.7	6.0
87.5°	2.0	2.2	2.2	2.8	3.1	3.7	4.3	4.3	4.6	4.8	5.1
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):

	165°	170°	175°	180°
0°	41.0	41.0	41.0	41.0
2.5°	39.1	39.3	39.3	39.3
5°	37.4	37.4	37.4	37.4
7.5°	35.4	35.4	35.4	35.4
10°	33.4	33.4	33.7	33.4
12.5°	31.7	31.4	31.4	31.4
15°	29.8	29.8	29.5	29.8
17.5°	27.7	27.7	27.4	27.4
20°	25.8	25.8	25.8	25.8
22.5°	24.1	23.8	23.8	23.8
25°	22.0	22.0	22.0	22.0
27.5°	20.4	20.4	20.4	20.4
30°	18.7	18.7	18.4	18.4
32.5°	17.0	17.0	17.0	17.0
35°	15.3	15.3	15.0	15.0
37.5°	13.3	13.3	13.3	13.3
40°	11.6	11.6	11.6	11.6
42.5°	10.2	10.2	10.0	10.0
45°	8.7	8.7	8.7	8.7
47.5°	8.2	8.2	8.2	8.2
50°	7.9	8.2	8.2	8.2
52.5°	8.2	8.2	8.2	8.2
55°	8.2	8.5	8.5	8.5
57.5°	8.2	8.5	8.5	8.7
60°	8.5	8.7	8.7	8.7
62.5°	8.5	8.7	8.7	8.7
65°	8.2	8.5	8.5	8.5
66°	8.2	8.2	8.2	8.5
67.5°	7.9	8.2	8.2	8.2
70°	7.6	7.9	7.9	8.2
72.5°	7.6	7.9	7.9	7.9
75°	7.3	7.3	7.6	7.6
77.5°	7.1	7.1	7.3	7.3
80°	6.8	7.1	7.1	7.1
82.5°	6.5	6.8	6.8	6.8
85°	6.0	6.2	6.2	6.2
87.5°	5.1	5.1	5.4	5.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)