

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: P180556

Luminaire Tested: **ICM-E01-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180556
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-E01-LED-E1-SL3-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1361.2 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

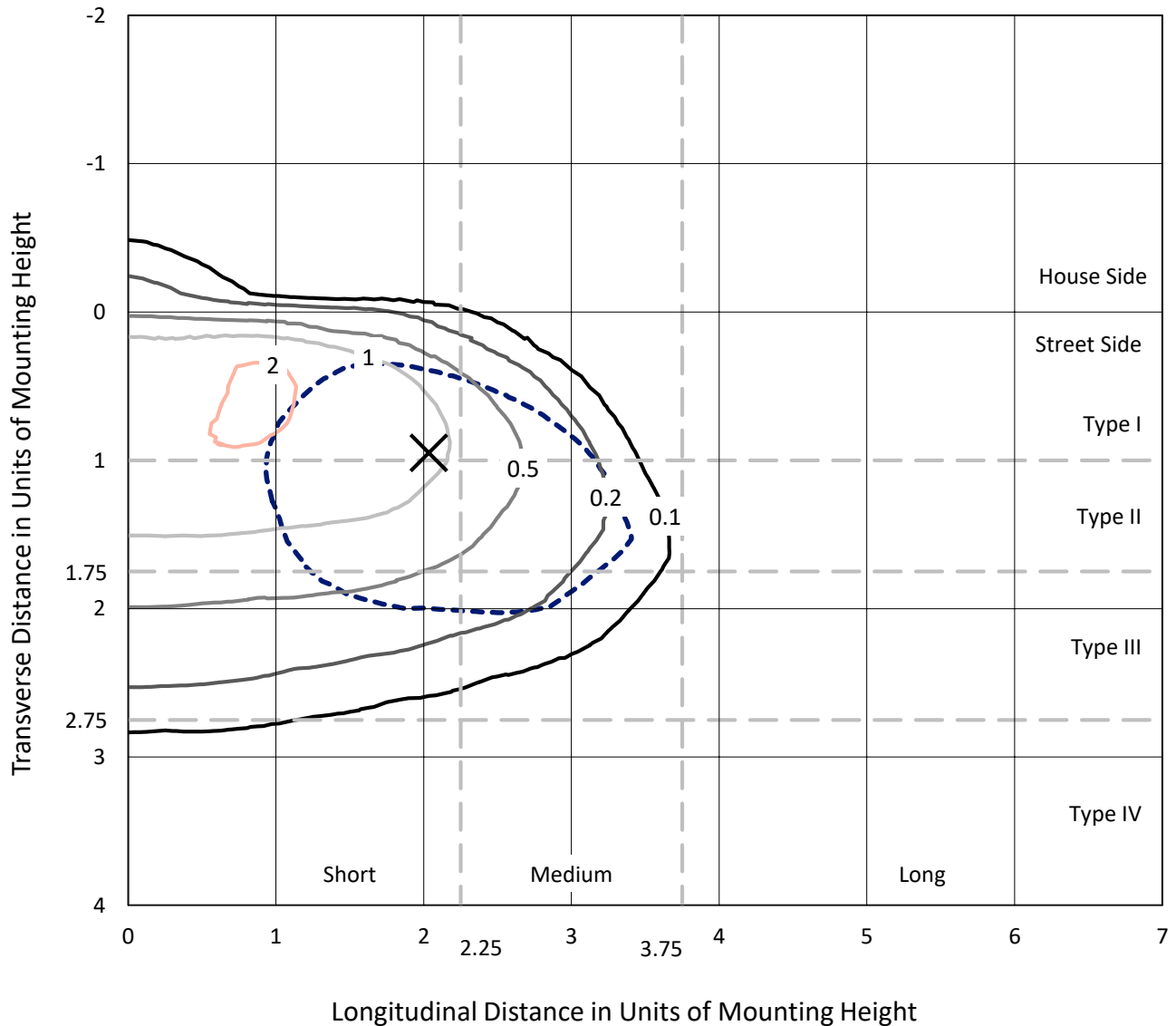
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

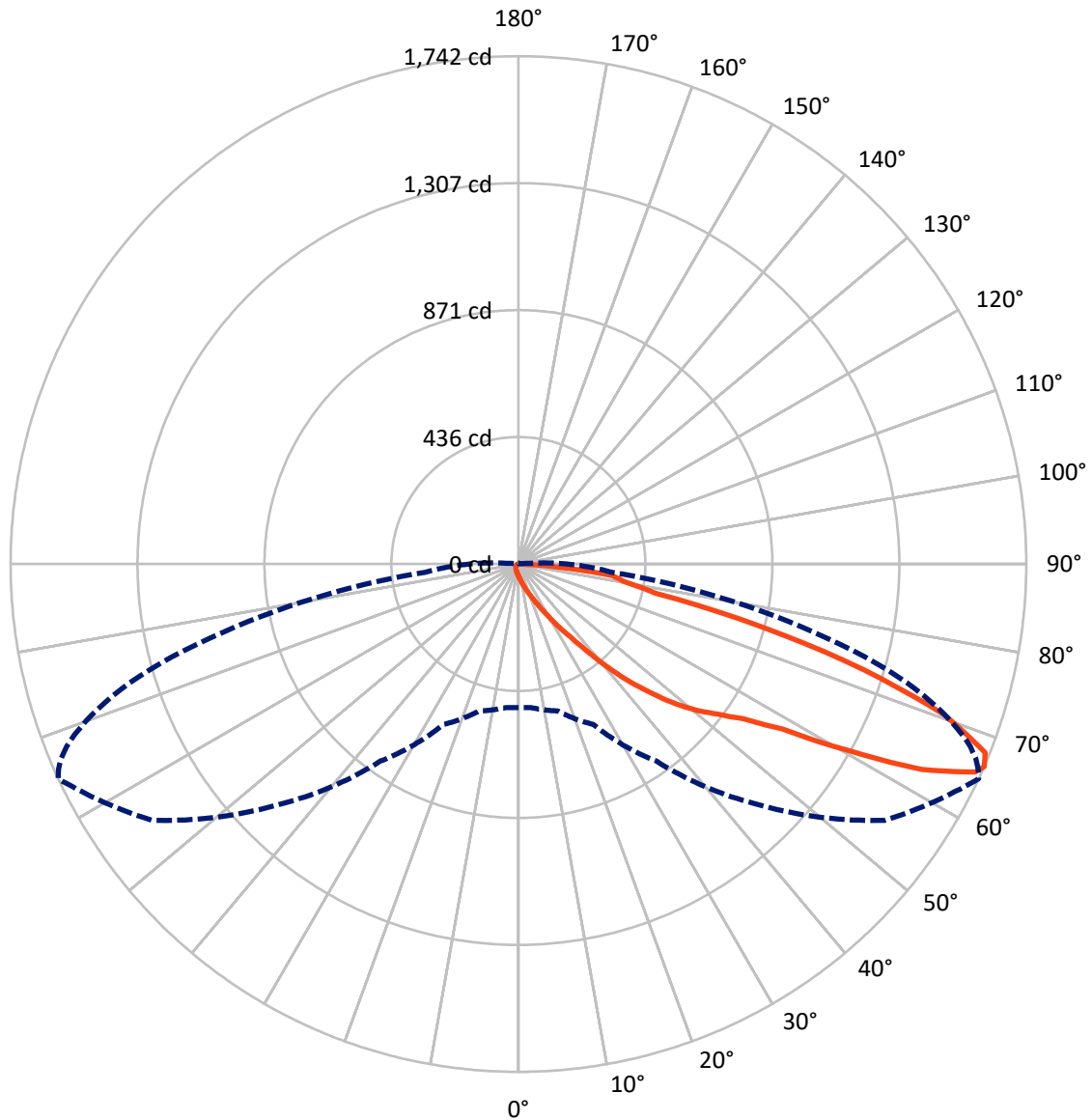
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 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	29.5	0.0	29.5
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1331.8	0.0	1331.8
	% Fixture	97.8	0.0	97.8
Total	Lumens	1361.2	0.0	1361.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.3
10°-20°	19.5	1.4
20°-30°	42.1	3.1
30°-40°	89.8	6.6
40°-50°	198.7	14.6
50°-60°	336.7	24.7
60°-70°	449.2	33.0
70°-80°	197.9	14.5
80°-90°	22.8	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°	1361.2	100.0
0°-180°	1361.2	100.0



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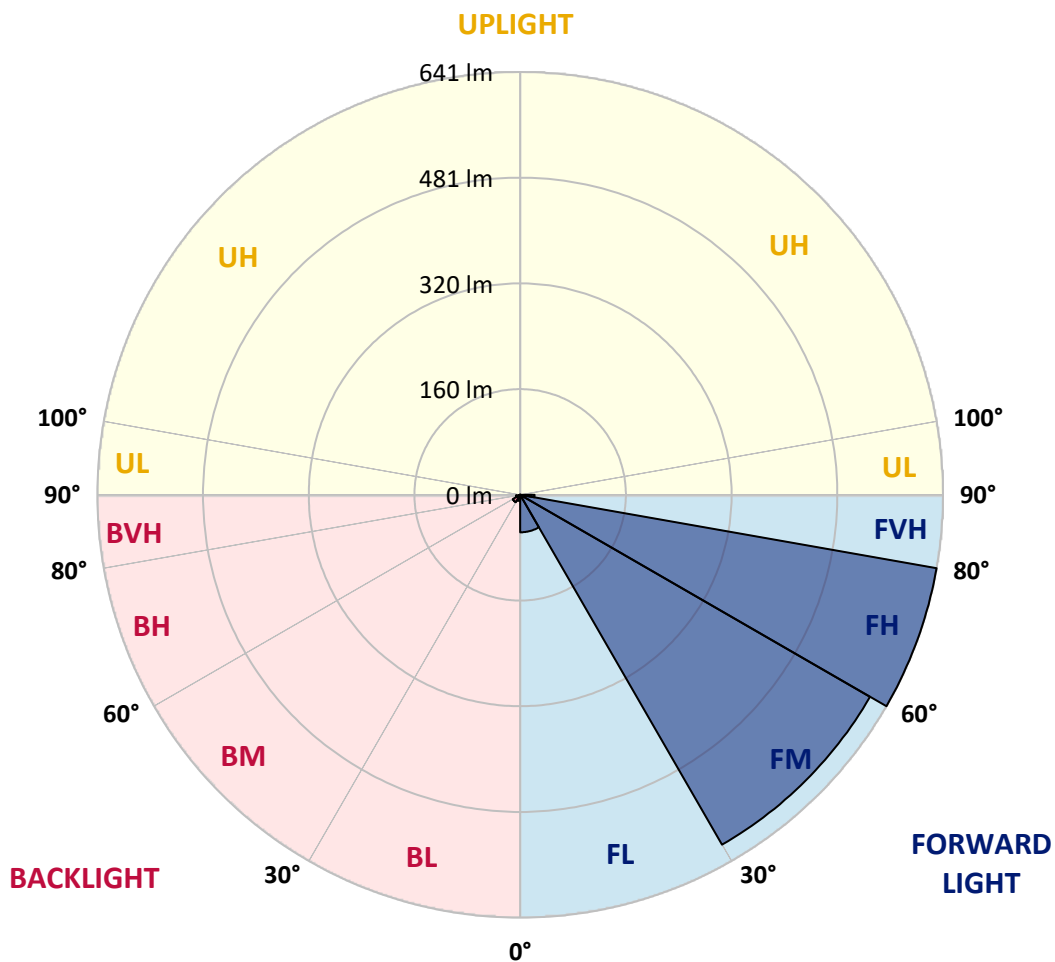
CATALOG NUMBER: ICM-E01-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.9	4.2			
FM	(30°-60°)	612.2	45.0			
FH	(60°-80°)	640.8	47.1			G0/660
FVH	(80°-90°)	21.9	1.6			G1/100
BL	(0°-30°)	9.3	0.7	B0/110		
BM	(30°-60°)	12.9	1.0	B0/220		
BH	(60°-80°)	6.3	0.5	B0/110		G0/110
BVH	(80°-90°)	0.9	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	51.8	51.5	50.5	50.5	48.9	47.9	46.6	45.3	45.3	45.0	44.7
5°	68.6	67.0	66.7	63.8	61.5	58.1	55.0	50.8	50.2	49.8	49.5
7.5°	87.2	86.9	84.6	81.1	76.4	70.1	63.8	57.0	56.0	55.4	54.4
10°	111.3	110.0	106.8	101.0	94.0	85.6	75.3	64.7	63.3	62.3	61.8
12.5°	134.2	131.9	130.0	122.7	113.9	101.6	89.2	73.8	72.7	71.4	69.4
15°	155.7	153.6	150.5	144.2	134.2	118.8	104.5	85.6	83.0	81.1	79.5
17.5°	172.5	171.2	167.5	160.5	149.7	136.1	118.8	97.6	95.5	93.2	90.3
20°	188.5	186.6	180.8	171.2	159.6	149.2	135.8	113.3	110.4	107.5	104.5
22.5°	203.6	201.8	192.4	176.4	164.1	159.6	154.9	131.1	126.7	124.3	121.2
25°	224.8	220.8	206.2	180.8	164.4	167.7	175.9	154.1	150.0	146.5	141.6
27.5°	253.3	248.1	225.0	187.3	165.4	176.7	199.9	182.1	177.7	173.8	168.3
30°	285.5	282.1	254.6	203.1	173.0	189.8	226.9	217.8	212.5	207.8	201.2
32.5°	318.0	313.3	286.0	232.9	193.4	215.2	260.7	259.1	252.3	247.8	240.7
35°	346.5	344.1	324.0	281.9	240.0	259.6	305.7	307.5	301.5	296.7	288.9
37.5°	365.9	365.9	362.0	334.4	314.0	328.7	371.9	372.2	366.1	355.4	351.4
40°	375.8	378.7	392.8	398.0	397.0	415.8	458.8	454.0	449.1	443.6	430.5
42.5°	396.2	398.8	428.9	465.0	488.6	513.5	543.1	541.5	535.4	525.5	513.5
45°	430.8	434.1	470.0	527.4	575.7	611.1	630.0	622.6	616.6	607.2	600.8
47.5°	474.7	481.3	521.9	592.7	651.1	709.5	729.1	709.8	704.5	697.2	687.0
50°	521.6	527.8	571.1	652.2	718.1	787.7	820.5	787.7	780.1	777.8	766.2
52.5°	562.1	567.4	609.0	698.0	769.4	851.1	898.7	855.5	850.1	842.1	833.8
55°	586.2	590.4	629.4	719.9	804.2	908.1	974.3	936.4	928.3	925.1	913.1
57.5°	594.3	598.5	633.6	722.8	823.1	960.2	1066.1	1067.4	1057.8	1046.5	1042.9
60°	594.3	599.1	628.7	715.7	841.4	1015.6	1188.7	1297.8	1276.8	1274.8	1261.4
62.5°	569.8	574.1	604.0	694.1	866.0	1090.5	1359.3	1551.9	1545.9	1532.3	1510.3
65°	516.4	519.0	548.3	638.5	856.6	1159.4	1507.2	1720.9	1711.3	1684.6	1656.3
66°	492.3	494.3	521.9	606.9	825.7	1168.8	1533.3	1742.2	1726.2	1703.7	1671.7
67.5°	457.5	461.1	480.5	548.0	751.6	1136.1	1516.8	1727.3	1713.4	1686.1	1654.2
70°	305.4	302.8	371.1	420.6	572.7	925.7	1360.8	1550.9	1551.1	1538.3	1525.5
72.5°	145.0	146.5	166.4	258.8	374.8	618.4	1083.2	1237.9	1255.6	1232.7	1216.7
75°	104.2	106.5	118.5	158.3	223.5	371.1	702.1	865.7	866.2	825.4	789.0
77.5°	30.3	31.6	44.5	97.6	167.5	250.4	403.3	481.3	470.0	440.7	413.2
80°	12.6	12.6	13.1	31.2	67.3	170.1	282.1	370.6	369.3	358.0	341.8
82.5°	4.7	4.9	6.3	12.8	16.0	41.9	188.2	321.7	320.8	304.8	293.4
85°	0.6	0.6	1.6	5.5	6.0	7.8	37.7	141.9	141.0	141.9	124.3
87.5°	0.0	0.0	0.3	0.6	0.7	1.0	1.6	5.5	6.0	5.8	5.2
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	44.7	44.2	44.2	44.0	44.0	44.0	43.7	43.4	43.4	43.2	42.9
5°	48.9	48.4	48.2	47.6	47.3	47.1	46.6	46.3	45.8	45.6	45.3
7.5°	54.0	52.8	52.6	51.8	51.1	50.5	50.0	49.2	48.7	47.6	47.3
10°	60.2	58.9	57.9	56.7	56.0	54.7	54.0	52.8	51.8	51.1	50.2
12.5°	68.3	66.5	64.9	63.8	62.0	60.5	58.9	58.1	56.0	55.0	53.7
15°	77.2	75.1	73.3	71.2	69.9	67.3	65.2	62.8	61.8	59.9	57.9
17.5°	88.7	85.3	82.4	80.4	77.8	75.1	72.7	70.4	67.3	65.2	62.5
20°	101.0	98.1	94.2	90.5	87.4	84.3	80.8	77.8	74.9	71.4	68.3
22.5°	116.7	112.6	107.8	104.2	100.0	96.6	91.8	87.6	83.0	78.5	74.9
25°	136.7	131.1	126.7	121.4	116.5	111.3	105.5	100.2	94.2	90.0	83.7
27.5°	161.2	156.0	150.0	143.2	138.1	130.3	122.7	116.2	109.1	102.6	95.5
30°	192.7	185.0	178.7	172.2	162.2	154.7	145.8	136.8	127.2	120.7	110.0
32.5°	230.3	222.1	212.7	203.4	194.1	183.4	172.5	161.5	150.7	138.7	127.7
35°	276.4	266.7	255.9	245.8	231.6	220.1	206.2	191.1	179.0	165.1	151.3
37.5°	337.3	321.4	311.9	301.2	282.1	266.4	251.0	235.8	214.6	199.9	180.3
40°	413.8	404.4	388.9	371.6	354.3	333.7	312.7	292.6	268.0	247.5	224.8
42.5°	503.5	489.7	474.0	449.1	431.5	407.2	383.4	356.7	326.6	300.5	273.8
45°	587.8	571.3	559.3	534.4	516.1	487.3	458.5	430.2	395.4	361.7	330.8
47.5°	678.9	665.2	645.4	625.2	606.6	574.1	543.1	508.7	472.1	432.1	392.0
50°	759.0	748.2	734.6	710.2	689.6	662.3	625.8	588.3	542.0	502.2	456.7
52.5°	827.0	818.6	799.5	782.2	763.6	738.1	705.3	669.4	619.4	575.7	523.9
55°	907.4	901.3	884.6	873.9	857.3	832.7	802.1	768.8	716.0	668.4	609.8
57.5°	1039.0	1034.2	1019.6	1015.2	998.9	977.5	939.8	904.2	842.4	783.3	716.3
60°	1256.9	1247.5	1226.1	1215.1	1180.8	1152.0	1103.1	1054.1	979.5	904.2	823.5
62.5°	1490.4	1464.0	1423.2	1388.1	1339.4	1289.4	1224.0	1149.1	1061.8	972.2	879.6
65°	1616.3	1571.3	1519.7	1464.0	1400.9	1327.4	1244.9	1155.2	1061.2	966.7	868.8
66°	1630.7	1579.9	1525.2	1463.2	1393.0	1314.8	1231.1	1136.8	1039.3	947.1	849.2
67.5°	1612.7	1559.5	1501.7	1432.8	1356.9	1275.8	1187.9	1090.0	996.0	902.6	807.4
70°	1486.2	1433.3	1381.8	1309.3	1228.5	1146.8	1063.5	954.1	865.2	779.4	694.6
72.5°	1186.8	1151.0	1099.9	1038.0	959.2	863.4	794.1	696.1	618.9	535.7	470.0
75°	741.7	691.2	628.1	549.0	488.8	411.2	370.6	296.3	252.3	213.8	176.7
77.5°	379.2	341.3	297.0	252.6	209.9	167.5	129.6	91.6	61.8	42.9	31.9
80°	313.3	279.7	243.2	202.5	164.8	128.0	92.1	62.8	40.0	26.1	20.4
82.5°	258.8	230.6	197.9	160.2	127.4	100.5	69.9	45.6	28.3	18.3	14.4
85°	110.1	100.0	77.2	61.2	46.0	34.0	23.8	16.0	11.3	9.1	8.4
87.5°	4.7	5.2	4.9	3.9	2.9	2.9	2.6	2.1	2.1	2.1	2.1
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	42.9	42.7	42.4	42.4	42.1	41.9	40.3	39.0	37.4	36.4	35.3
5°	44.7	44.5	44.0	43.7	43.2	42.9	39.5	36.7	34.3	32.5	31.2
7.5°	46.6	46.3	45.6	44.7	44.5	44.0	38.5	34.8	31.6	29.6	28.3
10°	48.9	48.2	47.3	46.3	45.6	44.7	37.4	32.7	29.3	27.4	26.1
12.5°	52.4	51.1	49.8	48.4	47.3	46.0	36.9	30.9	27.4	25.4	24.1
15°	56.3	54.4	52.8	51.3	49.5	48.2	35.8	29.3	26.0	23.8	22.2
17.5°	59.9	57.9	55.4	53.1	51.3	49.5	34.8	27.7	24.4	22.2	20.7
20°	65.2	62.0	59.2	56.3	53.7	51.3	33.2	26.1	23.1	20.7	19.1
22.5°	70.9	67.3	63.6	59.6	56.3	53.1	31.9	24.8	21.8	19.3	17.5
25°	78.2	73.8	68.8	63.8	59.9	55.7	30.6	23.5	20.4	18.0	16.2
27.5°	88.5	82.1	76.7	70.4	64.4	59.6	29.6	22.5	19.1	16.7	14.9
30°	102.3	93.2	84.6	77.8	70.7	63.8	28.6	21.2	18.0	15.4	13.3
32.5°	117.8	107.1	97.1	86.9	78.0	70.1	27.4	20.2	16.7	14.1	12.3
35°	136.8	123.3	110.0	98.1	87.4	76.9	26.4	19.1	15.7	12.8	11.0
37.5°	164.4	147.3	129.8	114.6	100.7	86.9	25.7	18.0	14.4	11.5	9.7
40°	202.0	180.1	158.6	138.0	119.8	102.6	24.6	17.0	13.3	10.5	8.7
42.5°	242.9	216.2	187.9	164.7	139.7	118.0	23.5	16.0	12.3	9.4	7.6
45°	293.7	260.4	226.1	194.4	164.1	136.1	22.5	14.9	11.0	8.4	6.5
47.5°	349.1	306.7	268.0	228.2	192.1	158.6	21.2	14.1	10.0	7.3	5.8
50°	406.1	361.4	312.5	267.2	224.3	181.1	19.9	12.8	8.9	6.5	4.7
52.5°	467.6	414.8	364.8	308.6	258.6	210.7	18.6	11.8	8.1	5.8	3.9
55°	546.0	486.8	428.2	365.1	304.8	244.9	17.3	10.5	7.1	4.9	3.2
57.5°	644.3	574.1	502.2	431.1	358.0	290.0	16.2	9.1	6.0	4.2	2.6
60°	737.2	655.4	568.2	486.2	403.8	324.5	14.7	8.1	5.2	3.4	2.6
62.5°	785.4	691.9	598.0	507.7	419.8	336.8	13.1	6.8	4.5	2.9	2.3
65°	773.6	678.3	587.3	496.2	410.0	328.9	11.5	6.0	3.9	2.6	2.3
66°	756.6	662.3	570.8	484.2	402.0	320.6	10.7	5.8	3.6	2.6	2.1
67.5°	719.4	628.4	540.9	460.4	379.7	304.7	9.7	5.2	3.4	2.3	2.1
70°	614.5	531.8	461.9	390.2	324.5	256.7	7.8	4.5	2.9	2.1	2.1
72.5°	406.7	350.4	303.8	261.4	218.5	169.6	6.5	3.6	2.3	2.1	1.9
75°	153.4	138.7	119.1	107.1	93.4	82.0	5.2	2.3	1.9	1.9	1.9
77.5°	27.3	25.1	22.2	20.4	18.9	17.3	4.2	1.6	1.6	1.9	1.9
80°	18.3	17.0	15.4	14.1	13.1	11.8	2.9	1.3	1.6	1.6	1.9
82.5°	13.1	12.3	11.5	10.5	9.7	8.7	1.9	1.3	1.6	1.6	1.6
85°	7.8	7.3	6.8	6.3	5.5	5.2	1.3	1.3	1.3	1.6	1.6
87.5°	2.1	1.9	2.1	2.1	1.6	1.9	1.0	1.0	1.0	1.3	1.3
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°	41.1	41.1	41.1	41.1	41.1
2.5°	34.8	34.8	34.3	35.1	35.1
5°	30.1	30.1	29.9	30.1	30.1
7.5°	27.4	27.3	27.3	27.3	27.4
10°	25.1	24.8	24.8	24.8	24.8
12.5°	23.1	22.8	22.5	22.8	22.8
15°	21.2	20.7	20.7	20.7	20.7
17.5°	19.6	19.1	18.9	18.9	18.9
20°	18.0	17.3	17.3	17.3	17.3
22.5°	16.5	15.7	15.7	15.7	15.7
25°	14.9	14.1	14.1	14.1	14.1
27.5°	13.6	12.8	12.8	12.8	12.8
30°	12.0	11.5	11.5	11.8	11.5
32.5°	11.0	10.2	10.2	10.5	10.5
35°	9.7	9.1	9.1	9.1	9.1
37.5°	8.4	7.8	7.8	7.8	7.8
40°	7.3	6.8	6.5	6.8	6.8
42.5°	6.3	5.8	5.5	5.5	5.5
45°	5.5	4.7	4.5	4.7	4.7
47.5°	4.5	3.9	3.9	4.2	4.2
50°	3.4	3.4	3.6	4.2	4.2
52.5°	3.2	3.2	3.6	4.2	4.2
55°	2.9	3.2	3.6	3.9	4.2
57.5°	2.6	3.2	3.6	3.9	3.9
60°	2.6	2.9	3.4	3.9	3.9
62.5°	2.3	2.6	3.2	3.6	3.6
65°	2.3	2.6	3.2	3.6	3.6
66°	2.3	2.6	3.2	3.6	3.6
67.5°	2.3	2.6	3.2	3.6	3.6
70°	2.3	2.6	3.2	3.4	3.4
72.5°	2.1	2.3	2.9	3.4	3.4
75°	2.1	2.3	2.9	3.4	3.4
77.5°	2.1	2.3	2.9	3.4	3.4
80°	2.1	2.3	2.9	3.2	3.4
82.5°	1.9	2.3	2.6	3.2	3.2
85°	1.9	2.1	2.6	2.9	3.2
87.5°	1.6	1.9	2.1	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)