

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: P181081

Luminaire Tested: **ICM-F03-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181081
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-SLR-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5410.2 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

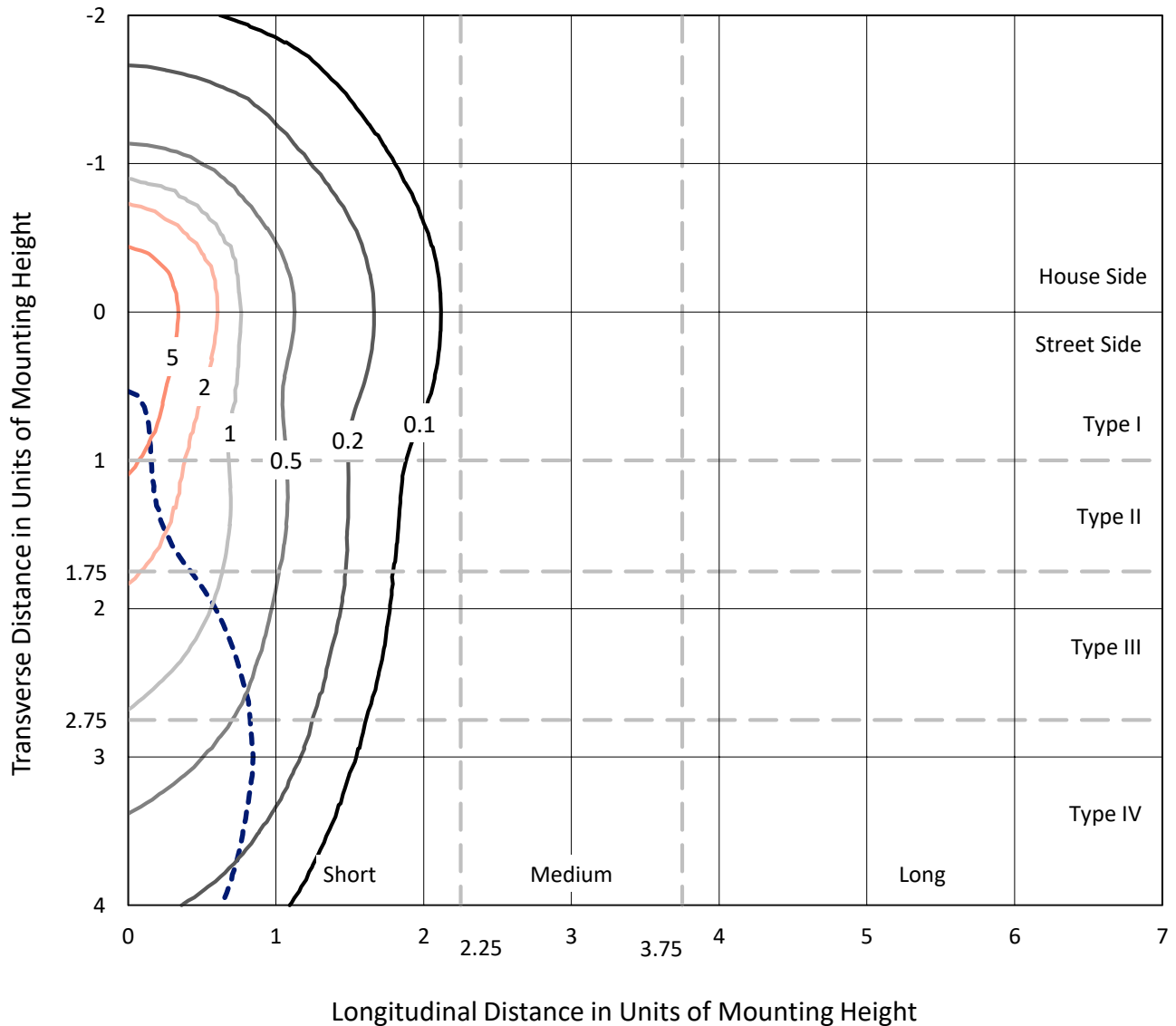
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

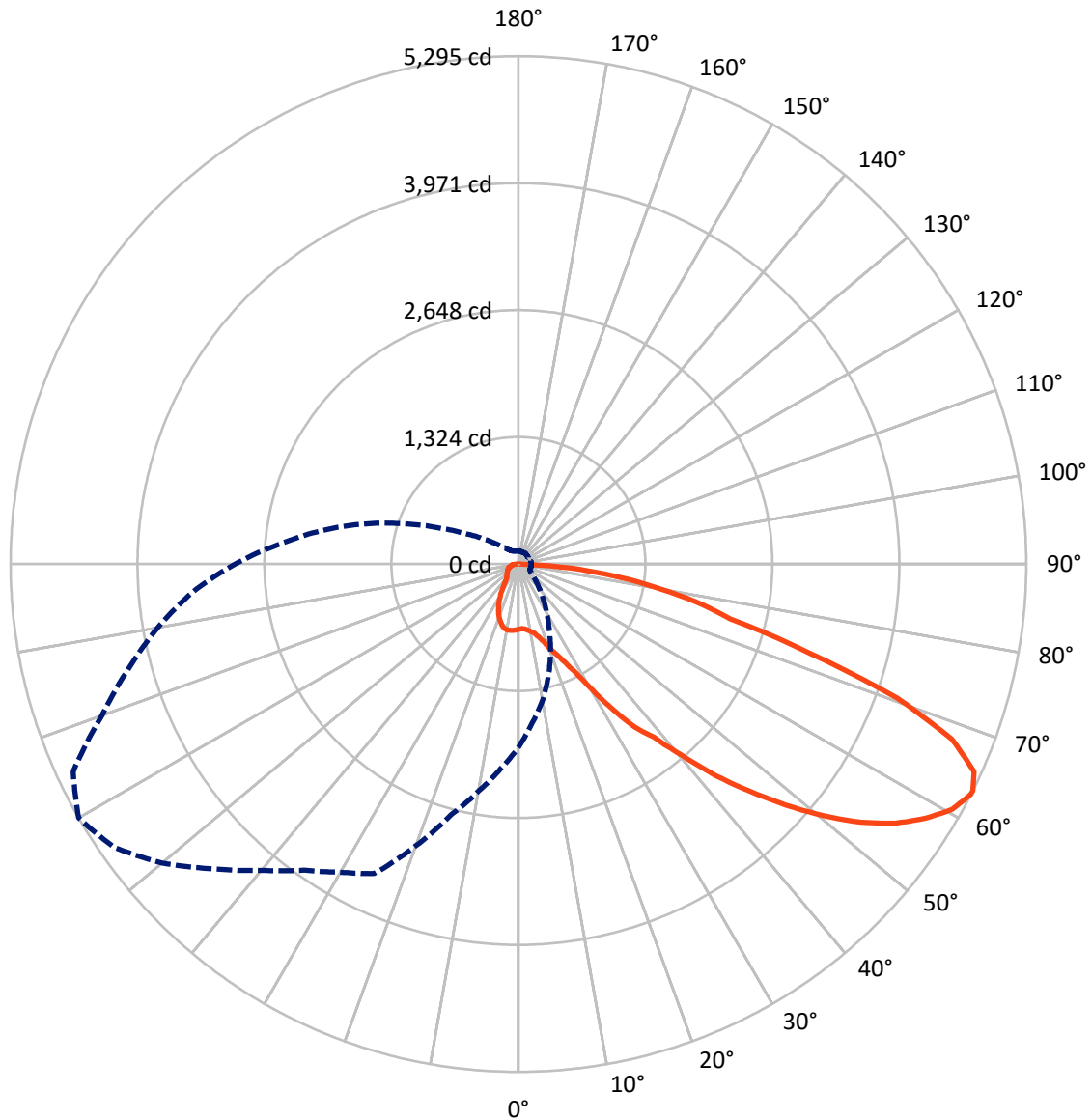
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1173.2	0.0	1173.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4237.0	0.0	4237.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	5410.2	0.0	5410.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	1.2
10°-20°	206.1	3.8
20°-30°	366.2	6.8
30°-40°	576.7	10.7
40°-50°	848.7	15.7
50°-60°	1127.3	20.8
60°-70°	1241.7	23.0
70°-80°	779.0	14.4
80°-90°	198.4	3.7
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°	5410.2	100.0
0°-180°	5410.2	100.0

Coefficient of Utilization



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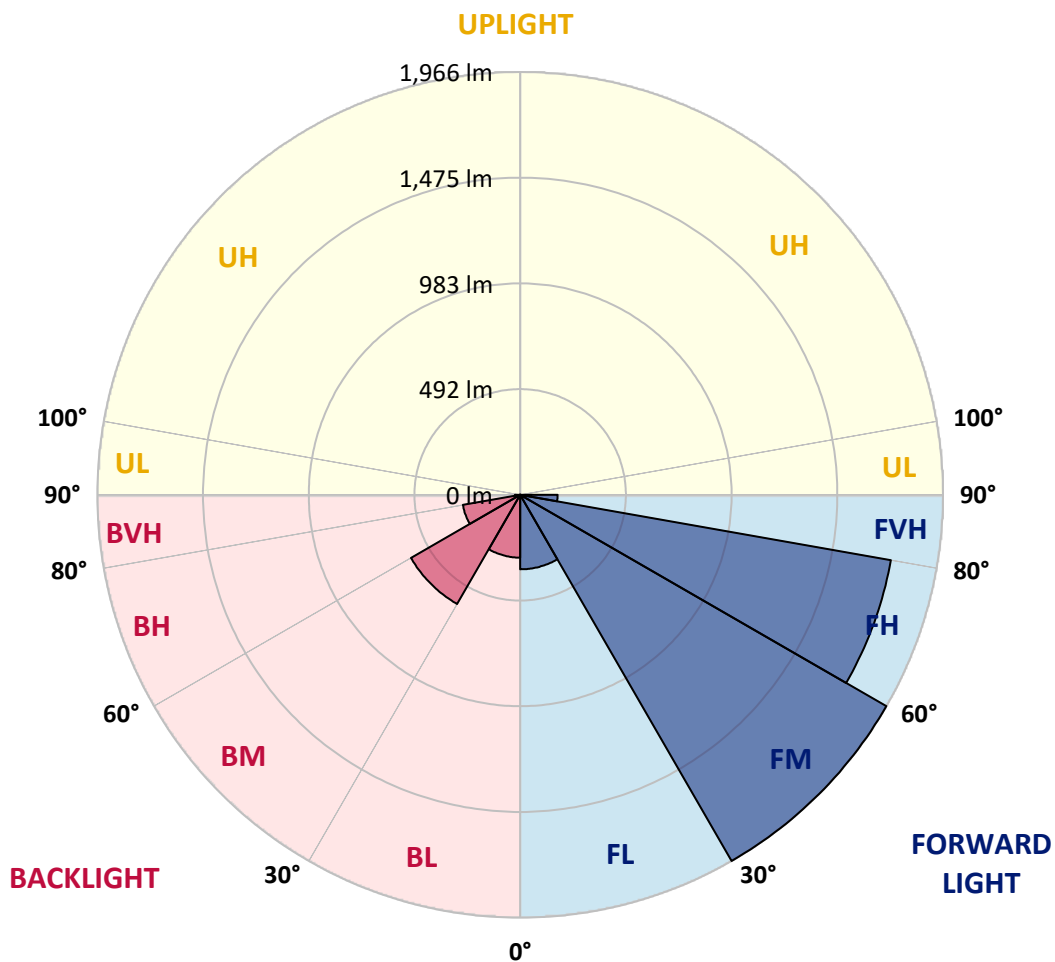
CATALOG NUMBER: ICM-F03-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.4	6.4			
FM	(30°-60°)	1966.2	36.3			
FH	(60°-80°)	1750.3	32.4			G1/1800
FVH	(80°-90°)	174.1	3.2			G2/225
BL	(0°-30°)	292.1	5.4	B1/500		
BM	(30°-60°)	586.4	10.8	B1/1000		
BH	(60°-80°)	270.4	5.0	B1/500		G1/500
BVH	(80°-90°)	24.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	670.8	672.7	672.1	672.1	673.4	672.7	672.7	673.4	673.4	675.4	678.0
5°	665.6	665.0	663.7	665.0	665.0	665.0	662.4	664.4	665.0	666.2	666.2
7.5°	672.1	670.1	667.5	668.2	668.2	666.9	665.0	665.6	665.0	665.0	664.4
10°	680.6	676.0	672.7	672.7	672.7	671.4	668.2	670.1	670.1	669.5	670.1
12.5°	695.4	690.2	686.3	685.0	685.0	683.2	680.6	683.2	681.9	681.9	680.6
15°	720.1	714.2	709.7	705.8	706.4	706.4	703.3	701.3	698.7	695.4	688.9
17.5°	757.0	750.5	744.7	741.5	742.1	737.6	728.5	719.4	707.1	694.8	681.2
20°	809.5	807.5	799.8	796.6	788.7	777.8	752.5	731.1	707.1	683.8	660.5
22.5°	900.3	891.2	883.4	871.1	845.1	814.7	772.6	735.0	697.4	664.4	633.2
25°	1022.1	1005.9	967.6	930.1	876.9	822.5	765.4	716.8	670.1	626.7	588.5
27.5°	1142.0	1092.8	1024.7	956.7	878.9	807.5	736.3	678.6	624.2	576.8	534.7
30°	1287.2	1204.2	1099.9	992.3	882.1	786.1	700.7	633.2	570.3	520.5	476.4
32.5°	1423.3	1303.4	1166.6	1025.3	889.2	766.1	659.8	583.4	518.5	455.6	412.2
35°	1516.7	1361.0	1195.2	1028.6	871.7	727.8	608.6	518.5	453.7	395.4	344.2
37.5°	1572.4	1386.3	1196.5	1005.2	830.9	676.0	543.8	454.3	394.7	339.0	298.8
40°	1607.4	1392.2	1179.6	971.5	779.1	610.5	479.0	398.6	344.2	299.4	268.3
42.5°	1624.2	1383.1	1152.4	928.7	726.5	552.2	433.6	357.8	310.4	278.7	255.4
45°	1626.8	1366.9	1123.2	889.9	679.9	510.0	402.5	340.9	302.0	275.4	252.1
47.5°	1626.8	1352.7	1099.9	861.4	649.4	491.9	399.9	348.0	309.8	280.0	252.1
50°	1628.1	1348.1	1090.1	847.1	639.1	501.7	422.0	370.0	326.7	287.8	251.4
52.5°	1634.0	1354.0	1098.0	858.1	657.9	540.6	463.4	403.2	348.7	296.8	251.4
55°	1646.9	1373.4	1131.0	896.4	708.4	599.5	513.3	438.8	366.2	300.7	247.6
57.5°	1683.2	1422.6	1191.3	970.2	794.6	667.5	558.7	464.1	372.7	297.5	239.8
60°	1755.8	1520.5	1294.3	1074.0	886.0	725.9	585.3	467.9	366.9	287.2	227.5
62.5°	1871.8	1632.7	1419.5	1186.7	967.0	758.3	588.5	458.2	351.3	268.3	209.3
63°	1912.0	1660.5	1446.0	1208.1	977.4	760.9	585.9	454.3	347.4	263.2	206.8
65°	2024.1	1777.8	1538.1	1283.3	1006.5	761.6	571.6	434.9	329.2	243.1	188.7
67.5°	2233.5	1932.1	1654.1	1342.2	1016.9	740.8	535.4	398.6	291.0	211.9	166.0
70°	2365.7	2018.2	1698.7	1343.5	986.4	681.9	472.5	339.6	242.4	175.6	142.6
72.5°	2331.4	1933.4	1580.8	1222.3	854.9	569.7	379.8	267.1	189.2	140.7	118.6
75°	1996.8	1609.3	1289.8	946.9	646.1	418.7	278.0	190.5	140.0	110.1	99.2
77.5°	1437.6	1158.2	924.8	674.7	435.5	270.9	184.7	136.1	106.3	90.7	81.7
80°	915.8	679.3	565.9	405.8	254.7	167.9	127.1	103.1	87.5	75.8	70.0
82.5°	478.3	335.1	272.2	207.4	141.3	110.8	93.3	84.3	71.9	62.9	59.6
85°	298.1	197.7	146.5	102.4	70.6	63.5	58.3	57.0	51.2	45.4	43.4
87.5°	33.7	30.4	31.7	20.1	14.9	16.2	15.5	20.7	20.1	14.9	15.5
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°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	675.4	676.7	676.7	678.6	678.6	679.9	681.2	681.2	682.5	683.2	684.5
5°	667.5	667.5	667.5	670.1	670.8	674.7	676.0	677.3	678.6	683.2	685.7
7.5°	665.6	663.1	664.4	664.4	666.2	669.5	672.7	674.7	676.7	682.5	686.3
10°	669.5	667.5	665.6	665.6	666.2	667.5	670.1	672.1	673.4	679.3	682.5
12.5°	679.9	675.4	671.4	668.2	665.6	665.0	663.7	664.4	665.6	668.8	673.4
15°	681.9	673.4	665.0	656.6	650.1	646.1	643.0	641.7	641.7	643.6	648.7
17.5°	668.8	654.6	642.3	631.3	624.2	617.0	613.8	611.2	609.9	612.5	613.1
20°	641.0	624.2	607.3	594.3	581.4	579.4	574.2	575.5	576.8	580.7	582.7
22.5°	602.8	582.7	562.0	548.3	538.0	528.8	523.1	525.7	527.5	531.4	533.4
25°	556.1	526.9	504.9	491.3	480.3	472.5	466.0	468.6	466.0	470.5	477.7
27.5°	501.0	466.6	443.4	427.7	420.0	413.5	407.0	407.0	413.5	413.5	419.4
30°	434.2	408.9	378.5	362.3	352.6	348.7	348.0	346.8	351.3	353.9	360.4
32.5°	371.4	340.3	311.1	295.5	287.2	282.6	283.3	283.9	285.9	289.7	300.1
35°	307.8	280.7	259.9	242.4	234.0	225.6	225.6	224.3	226.2	230.7	243.1
37.5°	267.1	243.1	226.9	213.2	204.8	199.6	195.1	193.1	193.1	195.1	199.6
40°	244.4	226.9	211.9	200.3	192.5	188.0	185.4	183.4	182.1	182.1	182.8
42.5°	234.0	215.8	200.9	190.5	184.7	182.1	181.5	180.8	178.9	178.2	177.6
45°	228.7	208.1	191.2	182.8	178.2	176.9	177.6	177.6	176.9	175.6	173.0
47.5°	224.9	200.9	184.1	176.3	174.3	174.3	174.3	174.3	173.7	173.0	171.1
50°	218.4	189.9	171.7	166.0	164.7	164.7	165.3	165.3	166.6	165.3	164.0
52.5°	211.3	179.5	161.4	156.2	155.5	154.9	154.9	154.9	155.5	155.5	154.9
55°	203.5	171.7	156.2	152.3	152.9	152.3	151.6	151.0	151.0	150.3	149.0
57.5°	195.7	165.3	152.3	149.7	150.3	150.3	149.0	147.8	147.2	145.2	143.9
60°	184.1	156.2	144.6	143.3	145.2	145.2	145.2	144.6	144.6	143.9	140.7
62.5°	168.6	143.3	134.1	134.8	135.4	136.7	136.7	136.7	136.7	135.4	132.2
63°	165.3	140.7	132.2	132.2	134.1	134.1	134.8	134.1	134.8	133.5	129.6
65°	152.3	132.2	125.8	126.4	127.7	127.7	127.7	127.1	127.1	125.1	123.2
67.5°	137.4	121.9	118.0	118.6	119.3	120.6	119.9	119.9	120.6	119.3	117.3
70°	120.6	110.8	108.3	108.9	109.5	109.5	108.9	108.9	109.5	108.3	106.3
72.5°	107.6	103.7	101.8	101.8	100.5	100.5	99.2	98.5	97.9	97.9	95.9
75°	90.7	90.0	90.7	92.0	90.7	89.4	88.8	86.9	85.6	85.6	84.9
77.5°	77.8	77.8	79.1	81.0	81.7	81.7	79.7	76.5	75.8	75.8	75.8
80°	67.4	66.1	66.1	68.1	70.0	69.4	66.1	62.9	62.9	66.1	66.8
82.5°	59.0	59.0	57.0	57.7	57.0	56.4	53.1	51.2	50.5	53.1	55.7
85°	46.7	47.3	46.7	46.0	45.4	43.4	40.8	38.9	38.2	40.8	44.7
87.5°	18.8	18.1	17.5	18.1	17.5	18.8	18.1	16.8	16.2	18.1	22.0
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°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	685.0	686.3	687.6	687.6	688.9	688.3	688.9	689.6	689.6	690.2	690.2
5°	688.9	690.9	693.5	696.1	696.7	698.7	700.7	699.4	701.3	703.9	703.9
7.5°	690.2	694.8	696.7	700.7	701.3	703.9	708.4	705.1	709.0	711.0	711.6
10°	688.3	692.8	696.1	700.7	702.6	707.1	711.6	710.3	714.9	718.1	718.8
12.5°	676.7	681.2	688.3	694.8	700.0	707.1	715.5	712.9	719.4	723.4	725.2
15°	654.0	658.5	666.2	676.7	686.3	697.4	708.4	710.3	716.8	721.4	723.4
17.5°	618.3	624.2	632.6	643.6	655.9	674.7	688.9	696.1	705.1	707.7	711.0
20°	585.3	591.1	596.3	602.8	611.8	630.0	648.7	663.1	674.7	684.5	687.0
22.5°	541.2	546.3	552.8	558.0	564.6	577.5	593.0	609.2	627.4	633.2	639.7
25°	488.0	491.3	500.4	503.6	508.1	519.2	531.4	543.2	560.7	572.9	576.2
27.5°	431.0	434.2	442.7	444.7	450.4	460.8	469.9	474.4	490.6	503.6	514.0
30°	364.9	373.3	383.7	385.0	391.4	398.0	406.4	410.9	425.9	439.4	452.4
32.5°	307.8	316.3	324.7	329.9	333.1	338.3	346.8	351.3	365.6	377.9	390.8
35°	249.5	259.9	268.9	276.1	278.7	285.2	291.6	296.2	311.1	322.1	331.2
37.5°	205.5	213.2	223.0	230.0	237.2	241.8	249.5	256.0	265.1	270.9	280.7
40°	184.1	188.0	193.1	199.0	204.8	210.0	215.8	221.0	226.9	234.6	241.1
42.5°	176.9	177.6	177.6	179.5	182.8	185.4	190.5	194.4	198.3	204.2	207.4
45°	171.7	171.1	169.8	168.6	169.1	170.4	173.7	176.3	180.8	183.4	184.1
47.5°	169.1	166.6	164.0	162.0	161.4	162.0	164.7	167.3	169.8	171.7	172.4
50°	160.7	158.8	154.9	152.3	151.0	152.3	155.5	156.8	159.4	161.4	162.0
52.5°	152.3	149.7	147.2	144.6	144.6	145.2	147.8	150.3	152.9	153.6	154.9
55°	147.2	143.3	140.7	138.7	137.4	139.3	141.3	144.6	147.8	148.5	149.7
57.5°	142.0	138.0	135.4	133.5	132.2	134.1	136.1	140.7	144.6	144.6	144.6
60°	138.7	135.4	131.5	129.6	127.7	129.6	132.2	136.7	140.7	140.0	139.3
62.5°	129.6	126.4	124.5	124.5	122.5	125.8	128.4	133.5	134.1	132.8	131.5
63°	127.1	124.5	123.2	123.2	121.9	125.1	127.7	132.2	132.2	130.9	129.6
65°	120.6	118.6	117.3	118.6	118.6	121.9	122.5	125.8	125.1	123.2	122.5
67.5°	115.3	114.0	112.7	112.7	112.7	113.4	114.0	115.3	114.7	114.0	114.7
70°	107.0	106.3	105.0	105.0	104.4	104.4	104.4	105.0	105.0	105.7	106.3
72.5°	96.6	95.3	95.3	95.9	94.6	95.3	95.9	95.3	96.6	96.6	97.2
75°	84.9	84.3	85.6	86.9	86.2	86.2	86.9	86.9	87.5	87.5	88.2
77.5°	75.8	76.5	77.1	78.4	79.1	79.1	79.1	78.4	79.1	79.1	79.7
80°	67.4	68.7	70.0	71.3	71.9	71.9	71.9	71.3	71.3	71.3	71.3
82.5°	60.9	62.9	64.2	64.8	64.8	64.8	64.8	64.8	64.8	63.5	62.2
85°	51.2	55.1	55.1	55.7	53.8	52.5	51.2	51.8	52.5	49.9	49.3
87.5°	26.0	26.0	27.3	28.6	29.2	29.2	33.0	31.1	30.4	29.8	28.6
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°	185°	190°	195°	200°	205°	210°	215°
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	690.9	690.2	691.5	690.2	690.9	691.5	690.2	692.2	693.5	691.5	689.6
5°	705.1	705.1	708.4	709.7	710.3	714.2	712.3	713.6	714.9	714.2	714.9
7.5°	714.2	716.8	720.1	723.4	724.0	727.2	726.5	728.5	729.8	733.0	733.0
10°	722.1	725.2	729.8	733.0	736.3	738.9	740.2	744.1	744.7	747.3	747.3
12.5°	729.1	733.0	737.6	742.8	746.0	751.2	751.8	757.7	759.6	760.3	758.3
15°	727.8	732.4	737.6	743.4	749.2	755.7	759.6	765.4	768.7	770.0	766.7
17.5°	715.5	719.4	725.9	733.7	740.8	749.2	756.4	764.7	770.0	771.3	770.6
20°	691.5	694.1	702.6	712.9	721.4	734.3	744.7	757.7	766.1	772.6	774.5
22.5°	644.3	650.7	659.2	670.8	683.2	699.4	714.2	733.0	751.2	766.7	782.3
25°	587.2	598.9	611.8	627.4	642.3	659.2	676.0	697.4	724.0	756.4	793.3
27.5°	529.5	549.6	565.9	585.9	603.4	620.3	639.1	662.4	691.5	730.4	777.8
30°	471.2	493.9	511.4	534.7	558.0	580.7	599.5	624.2	652.7	692.2	744.1
32.5°	408.9	431.6	452.4	473.8	499.7	526.9	549.6	580.1	610.5	651.4	703.9
35°	344.8	364.9	382.4	405.1	433.6	462.8	492.6	527.5	560.7	603.4	659.2
37.5°	289.0	303.4	320.2	340.3	362.3	393.4	427.1	468.6	506.2	552.8	609.9
40°	243.1	250.8	260.6	277.4	297.5	327.9	361.0	405.1	450.4	501.7	556.7
42.5°	207.4	211.3	213.9	224.9	241.1	270.9	302.7	345.5	395.4	451.1	506.8
45°	184.1	186.0	186.7	192.5	204.2	230.0	263.2	299.4	347.4	401.9	460.2
47.5°	173.0	175.0	176.3	177.6	184.7	204.8	234.6	268.9	313.0	363.0	422.6
50°	164.0	166.0	167.9	167.3	170.4	183.4	208.7	240.5	282.0	327.9	387.0
52.5°	154.9	156.2	156.2	156.2	158.1	166.6	184.7	213.9	252.1	295.5	353.9
55°	149.7	151.0	151.6	152.3	152.9	157.5	171.1	194.4	227.5	267.7	320.2
57.5°	144.6	145.2	146.5	147.2	148.5	151.0	159.4	176.3	204.2	237.9	282.0
60°	140.0	141.3	143.9	144.6	145.9	146.5	150.3	160.7	178.9	204.8	240.5
62.5°	132.8	134.8	137.4	138.0	139.3	140.0	140.7	146.5	154.9	170.4	197.0
63°	130.9	132.8	136.1	136.7	137.4	137.4	138.0	142.0	149.7	163.3	182.8
65°	123.8	126.4	128.4	129.0	129.6	129.6	129.0	130.2	130.9	136.7	148.5
67.5°	116.0	118.0	119.3	119.9	119.3	119.9	119.3	118.0	116.7	118.0	123.2
70°	108.3	109.5	109.5	110.1	110.8	111.4	110.1	108.9	107.6	107.0	110.1
72.5°	99.2	100.5	100.5	101.1	101.1	102.4	102.4	101.8	101.8	102.4	103.1
75°	90.0	91.3	90.7	92.0	92.0	94.0	94.0	94.6	95.9	95.3	94.6
77.5°	81.7	82.3	82.3	83.0	83.6	86.9	88.8	89.4	89.4	88.2	86.9
80°	72.6	72.6	71.3	70.6	71.3	74.5	78.4	79.1	81.0	80.4	81.0
82.5°	60.9	58.3	56.4	56.4	57.7	59.6	60.9	62.2	63.5	63.5	64.8
85°	46.7	44.1	42.1	42.8	44.7	45.4	44.7	44.7	47.3	49.3	47.3
87.5°	27.9	25.3	24.0	22.0	22.7	24.7	24.0	22.0	22.7	18.1	16.8
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	690.9	690.2	688.9	687.0	686.3	685.0	685.7	683.8	682.5	681.2	679.3
5°	714.9	714.9	711.0	711.0	709.0	708.4	703.9	702.0	698.1	699.4	694.8
7.5°	731.7	733.7	729.1	728.5	725.9	725.2	719.4	717.5	714.2	712.9	709.0
10°	744.1	744.1	738.2	733.7	730.4	727.2	721.4	718.8	716.2	716.8	714.2
12.5°	753.8	749.2	740.8	734.3	729.8	726.5	722.1	720.1	719.4	724.0	724.7
15°	761.6	755.1	744.7	740.2	736.3	735.6	735.6	737.6	742.1	750.5	757.0
17.5°	766.1	762.2	757.0	755.7	762.2	766.1	771.3	777.1	783.6	795.3	802.4
20°	774.5	777.1	781.0	786.1	796.6	806.2	812.7	821.2	828.9	843.3	854.9
22.5°	796.6	811.4	823.8	834.1	849.7	863.4	871.7	883.4	889.2	899.0	917.1
25°	825.0	855.5	881.5	903.4	927.4	941.8	953.4	968.3	977.4	993.6	1009.8
27.5°	816.7	860.1	899.0	939.8	972.8	1009.8	1035.7	1060.4	1075.9	1099.9	1121.3
30°	790.7	842.6	895.1	948.8	1001.4	1054.5	1103.7	1148.5	1182.8	1217.2	1252.2
32.5°	755.7	815.4	879.5	945.6	1014.3	1088.2	1156.3	1223.6	1280.7	1330.6	1379.3
35°	715.5	783.0	849.7	931.4	1016.3	1110.2	1204.8	1298.2	1385.0	1473.2	1532.8
37.5°	667.5	736.3	810.8	904.7	1004.6	1120.7	1241.1	1363.0	1486.1	1604.8	1707.8
40°	616.4	686.3	764.7	866.5	979.4	1114.1	1264.5	1428.5	1597.7	1769.4	1906.2
42.5°	571.0	643.0	728.5	831.5	954.1	1105.7	1283.3	1484.8	1691.6	1904.2	2105.1
45°	526.9	606.0	696.1	806.9	943.1	1112.2	1311.2	1537.4	1775.9	2033.9	2278.8
47.5°	487.4	567.7	655.3	776.5	926.8	1115.4	1338.4	1589.9	1855.6	2134.9	2426.0
50°	451.7	529.5	615.7	737.6	901.6	1113.5	1363.0	1637.2	1924.3	2214.6	2539.4
52.5°	416.7	495.8	584.0	700.0	870.4	1102.4	1374.7	1676.1	1987.8	2295.0	2630.7
55°	382.4	460.2	548.9	664.4	829.6	1074.0	1373.4	1701.3	2038.3	2370.9	2718.9
57.5°	342.2	416.1	503.0	624.8	786.1	1029.9	1354.0	1713.0	2081.8	2446.1	2824.6
60°	292.3	361.7	445.3	567.1	729.1	973.5	1313.1	1706.5	2107.1	2501.8	2914.6
62.5°	230.7	291.0	367.4	486.7	657.9	892.5	1236.7	1647.5	2066.9	2494.0	2956.8
63°	217.8	274.8	349.3	467.3	627.4	870.4	1214.0	1624.2	2047.5	2477.8	2950.9
65°	175.0	211.9	271.5	377.2	525.0	762.2	1101.2	1504.3	1943.1	2363.7	2866.7
67.5°	134.1	152.9	184.7	258.6	371.4	599.5	891.8	1274.9	1686.4	2081.8	2595.1
70°	114.7	123.2	136.7	171.7	235.9	378.5	626.1	950.8	1307.3	1650.1	2111.6
72.5°	104.4	108.3	115.3	130.2	162.0	226.9	399.3	619.0	889.2	1176.4	1532.8
75°	95.9	99.2	105.0	112.7	124.5	151.0	227.5	378.5	578.1	772.6	1034.4
77.5°	87.5	89.4	95.9	103.1	110.8	124.5	150.3	217.8	332.5	455.6	623.5
80°	80.4	79.1	83.6	95.3	103.1	110.8	118.6	141.3	189.2	249.5	337.0
82.5°	64.2	65.5	69.4	81.0	84.3	82.3	83.6	87.5	105.7	115.3	172.4
85°	43.4	40.2	39.5	40.8	40.8	38.9	38.9	38.2	42.1	48.0	82.3
87.5°	11.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	0°
2.5°	678.0	677.3	678.0	674.7	674.7	674.1	673.4	672.1	672.1	669.5	671.4	2.5°
5°	690.9	689.6	687.0	683.2	681.2	678.6	678.6	676.0	674.1	671.4	672.1	5°
7.5°	705.8	706.4	702.0	698.7	697.4	694.8	695.4	691.5	692.2	690.2	688.9	7.5°
10°	714.2	714.2	715.5	714.9	716.2	716.2	718.1	715.5	714.2	712.3	712.3	10°
12.5°	727.8	730.4	735.6	735.6	739.5	740.8	741.5	742.8	740.2	738.9	734.3	12.5°
15°	761.6	768.0	772.6	779.1	786.8	789.4	789.4	786.8	785.5	783.6	775.2	15°
17.5°	817.3	831.5	835.4	845.8	847.1	850.3	859.4	854.2	851.0	837.4	834.8	17.5°
20°	874.3	892.5	910.6	923.5	930.1	943.1	944.9	942.4	929.4	916.5	910.6	20°
22.5°	943.1	970.2	991.0	1011.1	1020.8	1027.3	1041.6	1038.3	1027.9	1008.5	1000.8	22.5°
25°	1040.3	1074.0	1096.0	1120.7	1133.6	1140.1	1154.3	1154.3	1143.3	1137.5	1136.8	25°
27.5°	1162.7	1204.2	1240.6	1248.9	1282.6	1290.4	1304.0	1304.0	1293.7	1286.5	1320.8	27.5°
30°	1298.9	1342.2	1405.1	1447.3	1488.1	1528.3	1527.6	1530.2	1542.5	1549.0	1563.9	30°
32.5°	1435.0	1488.8	1555.5	1646.9	1734.4	1808.9	1905.5	1967.1	1948.3	1895.8	1875.1	32.5°
35°	1600.2	1659.8	1740.8	1832.9	1993.0	2089.6	2136.2	2169.3	2173.2	2180.3	2195.2	35°
37.5°	1784.3	1884.1	1978.1	2082.4	2171.3	2288.6	2396.8	2483.6	2503.7	2544.6	2521.2	37.5°
40°	2016.9	2128.5	2227.0	2361.8	2481.0	2622.3	2777.2	2896.5	2944.5	2928.9	2812.2	40°
42.5°	2260.7	2398.7	2514.1	2672.9	2827.8	3014.4	3174.5	3341.1	3370.9	3251.0	3076.7	42.5°
45°	2484.9	2656.0	2799.3	2964.6	3153.8	3377.4	3591.3	3762.3	3756.6	3551.1	3317.8	45°
47.5°	2686.5	2896.5	3071.5	3286.6	3490.2	3756.6	4002.2	4128.6	4054.1	3811.0	3525.1	47.5°
50°	2853.0	3114.9	3330.7	3548.5	3807.1	4127.9	4364.5	4435.8	4291.9	4027.5	3726.7	50°
52.5°	2987.3	3315.8	3558.3	3809.0	4135.7	4473.4	4676.9	4650.4	4464.3	4192.8	3893.3	52.5°
55°	3100.7	3469.4	3758.5	4054.7	4459.7	4770.9	4906.4	4835.0	4575.2	4299.7	4007.4	55°
57.5°	3218.0	3618.5	3942.5	4286.1	4737.1	5004.2	5079.4	4933.0	4627.7	4340.5	4056.7	57.5°
60°	3335.3	3742.9	4105.2	4488.3	4947.2	5194.7	5174.0	4954.9	4612.1	4310.7	4023.6	60°
62.5°	3414.3	3816.9	4199.8	4612.8	5104.7	5291.9	5165.0	4876.5	4522.0	4193.4	3925.0	62.5°
63°	3416.3	3819.5	4205.7	4621.1	5122.2	5295.2	5147.5	4848.7	4493.5	4169.4	3895.9	63°
65°	3375.5	3770.8	4153.9	4582.9	5107.3	5220.7	4996.4	4684.0	4330.8	4003.5	3744.2	65°
67.5°	3166.7	3569.9	3908.2	4312.7	4840.2	4872.7	4592.0	4339.8	4022.3	3683.3	3412.4	67.5°
70°	2746.2	3081.2	3413.0	3750.7	4193.4	4187.6	3923.7	3795.5	3517.4	3131.1	2914.0	70°
72.5°	2184.2	2484.9	2718.2	2944.5	3236.1	3177.1	3007.4	3043.0	2862.8	2574.3	2445.4	72.5°
75°	1621.6	1952.2	2066.2	2158.2	2281.4	2282.1	2328.8	2429.9	2427.3	2267.2	2104.5	75°
77.5°	1063.5	1425.2	1463.5	1537.4	1685.1	1886.1	2093.5	2316.4	2372.2	2245.8	2005.3	77.5°
80°	593.0	968.9	924.8	988.4	1147.8	1420.7	1726.6	1972.9	2118.1	2047.5	1792.8	80°
82.5°	303.4	558.7	534.0	622.2	751.2	988.4	1190.6	1379.8	1551.0	1541.2	1444.7	82.5°
85°	157.5	306.0	348.0	394.0	458.9	543.8	620.3	675.4	746.6	872.4	915.2	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	46.7	33.7	92.7	132.2	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
679.9	679.9	679.9	679.9	679.9	679.9	679.9
672.1	672.7	671.4	671.4	672.1	672.1	670.8
670.8	670.8	669.5	668.2	666.9	666.9	665.6
685.7	685.7	681.2	679.3	676.0	673.4	672.1
707.7	703.9	698.7	694.8	689.6	683.8	680.6
729.8	724.0	717.5	711.6	705.1	698.7	695.4
766.1	758.3	749.9	742.8	733.7	724.0	720.1
821.9	809.5	798.5	788.1	771.9	764.7	757.0
895.7	877.6	863.4	845.8	825.7	819.3	809.5
985.1	969.6	941.1	928.1	908.0	898.3	900.3
1121.3	1101.2	1068.1	1055.8	1053.9	1032.5	1022.1
1298.9	1300.2	1269.7	1236.7	1218.5	1184.8	1142.0
1551.6	1534.1	1498.5	1464.8	1422.0	1358.5	1287.2
1857.5	1818.6	1759.6	1696.8	1620.9	1523.1	1423.3
2156.3	2088.3	1994.3	1889.3	1779.7	1657.9	1516.7
2418.8	2313.1	2172.6	2052.0	1897.0	1744.8	1572.4
2658.6	2527.7	2346.2	2190.1	2007.3	1811.5	1607.4
2890.6	2724.8	2502.4	2291.2	2084.4	1856.3	1624.2
3111.6	2897.8	2634.0	2382.5	2140.8	1885.4	1626.8
3281.5	3048.1	2751.9	2448.7	2179.6	1907.5	1626.8
3439.0	3175.2	2842.1	2500.5	2215.9	1922.3	1628.1
3561.5	3264.7	2900.4	2537.4	2244.5	1933.4	1634.0
3650.3	3323.0	2939.3	2560.1	2265.2	1948.9	1646.9
3712.5	3361.2	2960.7	2580.2	2290.5	1976.1	1683.2
3742.3	3431.8	2996.3	2620.4	2333.9	2033.9	1755.8
3719.7	3541.4	3098.1	2688.5	2394.2	2123.9	1871.8
3709.9	3561.5	3126.0	2703.4	2407.8	2143.4	1912.0
3634.1	3581.6	3240.7	2778.5	2472.6	2229.6	2024.1
3398.8	3502.5	3337.2	2905.6	2611.9	2438.9	2233.5
3094.2	3385.1	3319.7	2921.8	2700.8	2610.7	2365.7
2729.3	3030.6	2969.7	2706.0	2602.9	2612.6	2331.4
2147.9	2374.1	2333.9	2241.2	2262.0	2333.2	1996.8
1720.8	1690.3	1597.7	1604.1	1724.0	1807.6	1437.6
1405.8	1138.1	1017.6	1020.8	1230.1	1317.0	915.8
1337.8	1076.6	876.9	766.1	895.1	862.1	478.3
952.8	954.7	792.0	643.6	623.5	530.1	298.1
225.6	180.8	129.0	95.9	101.1	66.8	33.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)