

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: P141559

Luminaire Tested: **ECM-E03-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141559
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-E03-LED-E1-SLR-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7166.7 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

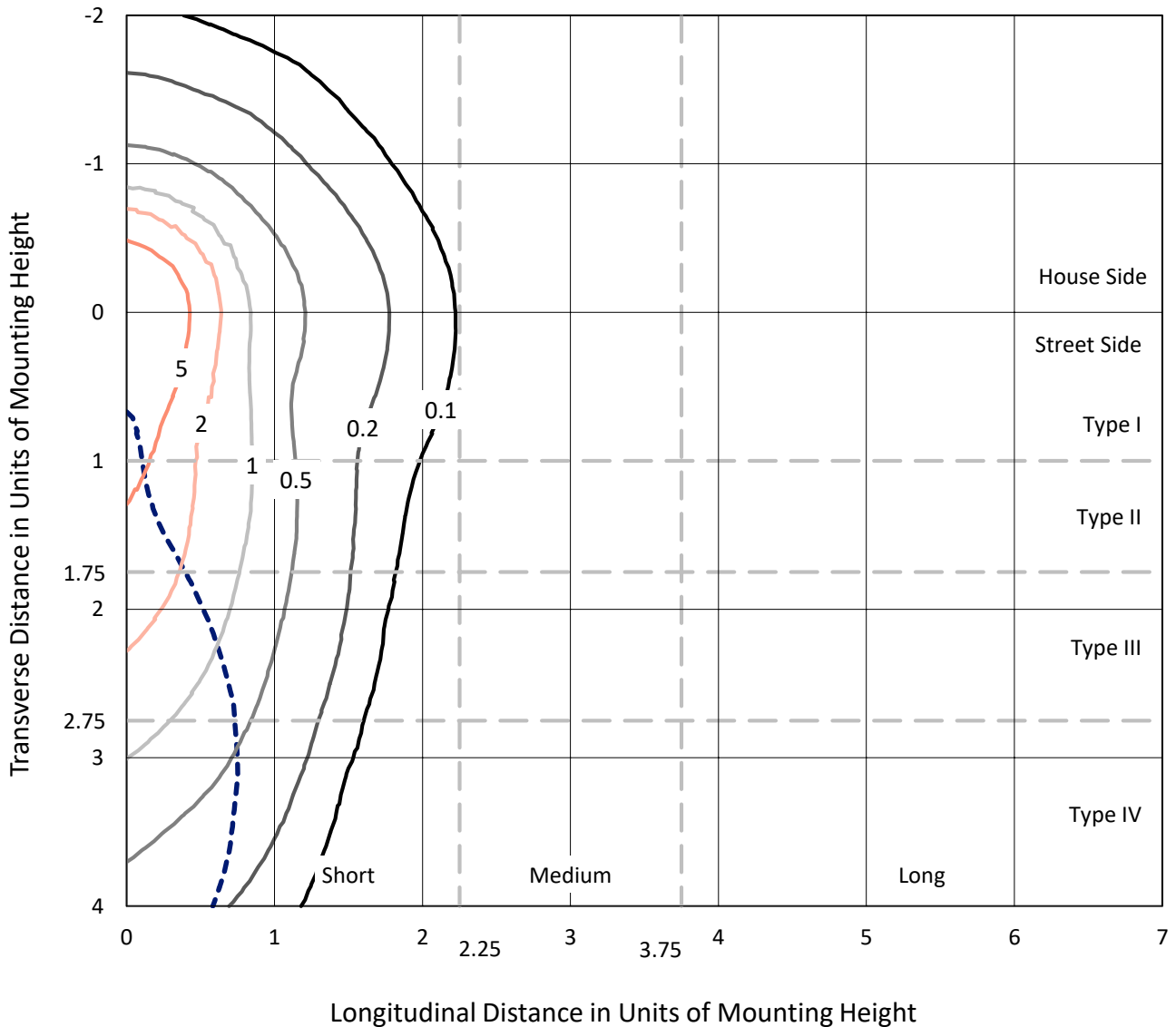
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

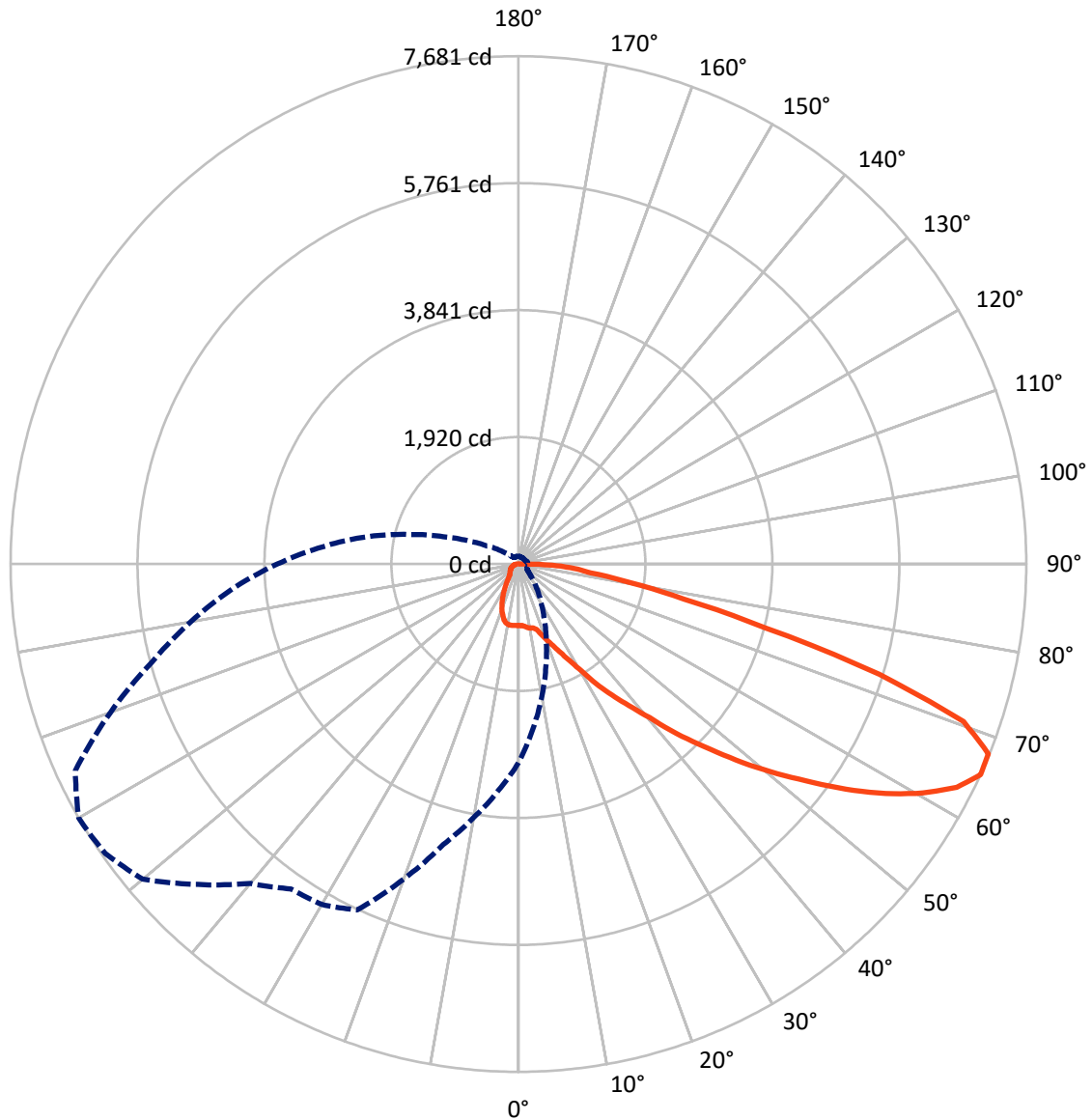
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1329.3	0.0	1329.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	5837.4	0.0	5837.4
	% Fixture	81.5	0.0	81.5
Total	Lumens	7166.7	0.0	7166.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	1.3
10°-20°	270.7	3.8
20°-30°	449.7	6.3
30°-40°	657.5	9.2
40°-50°	1000.1	14.0
50°-60°	1437.6	20.1
60°-70°	1767.5	24.7
70°-80°	1182.4	16.5
80°-90°	311.1	4.3
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°	7166.7	100.0
0°-180°	7166.7	100.0



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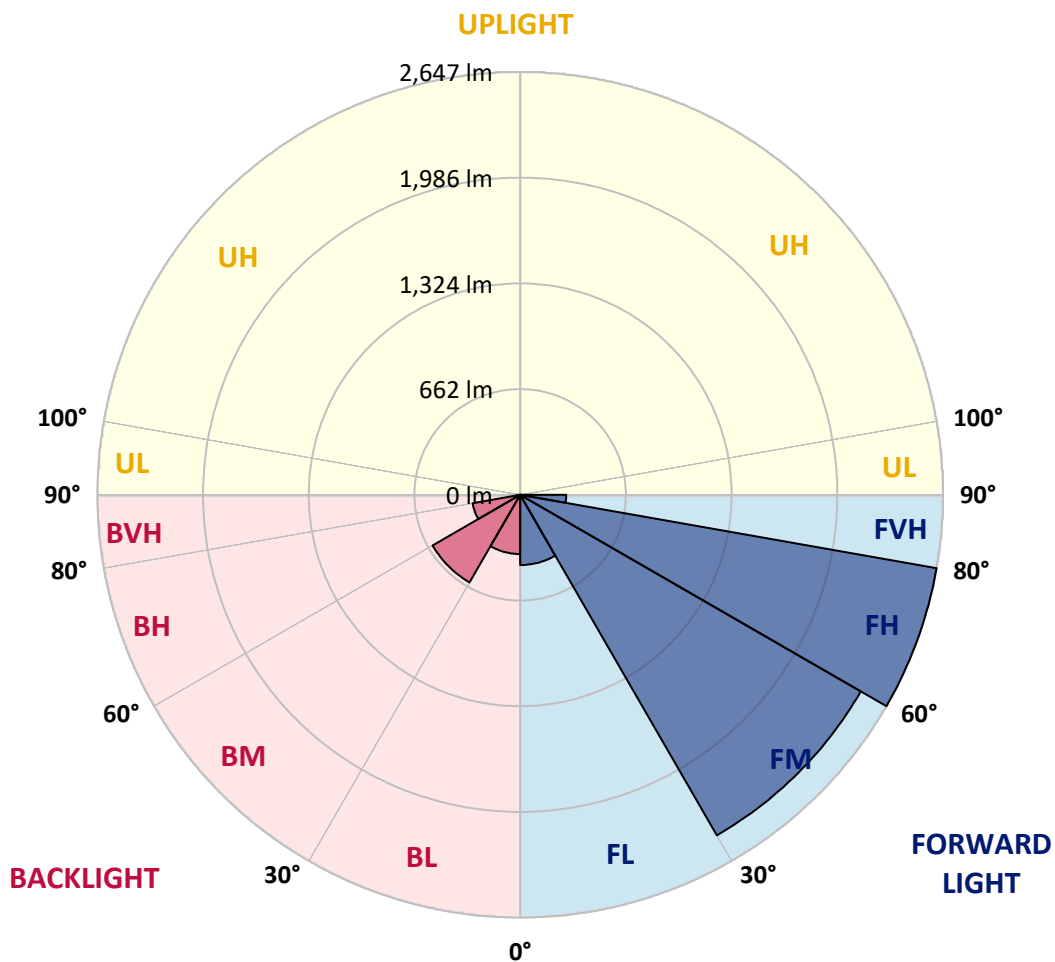
CATALOG NUMBER: ECM-E03-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.6	6.1			
FM	(30°-60°)	2462.0	34.4			
FH	(60°-80°)	2647.3	36.9			G2/5000
FVH	(80°-90°)	288.5	4.0			G3/500
BL	(0°-30°)	371.0	5.2	B1/500		
BM	(30°-60°)	633.1	8.8	B1/1000		
BH	(60°-80°)	302.5	4.2	B1/500		G1/500
BVH	(80°-90°)	22.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6
2.5°	932.5	935.3	935.3	933.4	932.5	933.4	934.4	933.4	934.4	936.2	935.3
5°	920.7	922.5	923.4	923.4	923.4	925.2	928.0	927.1	929.8	931.6	931.6
7.5°	892.3	896.0	896.0	896.9	898.7	901.5	906.0	907.9	912.4	918.8	920.7
10°	875.0	875.9	873.2	872.2	874.1	879.6	882.3	886.9	894.2	901.5	908.8
12.5°	879.6	880.5	875.9	876.8	876.8	879.6	887.8	891.4	894.2	898.7	906.0
15°	917.0	917.0	911.5	913.4	914.3	917.9	917.9	911.5	909.7	905.1	901.5
17.5°	967.2	959.9	959.0	958.1	961.8	958.1	949.9	935.3	917.9	899.7	885.0
20°	1019.3	1020.2	1014.7	1013.8	1003.8	991.0	967.2	938.0	907.0	878.6	849.4
22.5°	1096.9	1098.8	1088.7	1068.6	1046.7	1012.9	970.0	925.2	880.5	841.2	807.4
25°	1214.8	1195.6	1172.7	1130.7	1075.0	1015.6	956.3	900.6	842.1	790.0	747.1
27.5°	1331.7	1293.3	1232.1	1163.6	1085.1	1008.3	938.0	863.1	793.7	730.7	681.4
30°	1440.4	1369.1	1281.4	1183.7	1083.2	984.6	895.1	810.1	727.9	660.4	601.9
32.5°	1550.9	1446.7	1325.3	1188.3	1055.8	938.0	834.8	737.1	655.8	573.6	510.6
35°	1689.7	1532.6	1351.8	1170.9	1008.3	864.9	754.4	661.3	573.6	490.5	424.7
37.5°	1816.7	1601.1	1365.5	1141.7	946.2	789.1	667.7	572.7	490.5	420.1	363.5
40°	1909.8	1645.9	1363.6	1104.2	883.2	711.5	591.9	506.0	432.0	376.3	332.5
42.5°	1982.9	1671.4	1354.5	1068.6	828.4	654.9	542.5	464.0	405.5	360.8	327.0
45°	2033.1	1689.7	1349.0	1040.3	791.9	627.5	526.1	460.3	411.0	370.8	332.5
47.5°	2077.0	1710.7	1347.2	1027.5	783.7	635.7	548.0	488.6	434.8	382.7	331.5
50°	2120.8	1731.7	1363.6	1048.5	814.7	681.4	599.2	523.3	449.4	379.0	316.0
52.5°	2181.1	1792.9	1424.8	1108.8	882.3	745.3	647.6	551.7	452.1	369.9	301.4
55°	2271.5	1887.9	1512.5	1188.3	955.4	814.7	686.8	562.6	449.4	359.9	287.7
57.5°	2419.5	2027.6	1632.2	1298.8	1050.4	868.6	708.8	567.2	443.0	348.9	276.7
60°	2606.7	2187.5	1782.9	1414.8	1131.6	906.0	717.9	565.4	433.8	336.1	261.2
62.5°	2819.5	2362.8	1918.9	1520.7	1190.1	923.4	714.2	550.8	412.8	309.6	239.3
65°	3006.7	2502.6	2033.1	1605.7	1226.6	923.4	691.4	517.0	375.4	272.2	211.0
67.5°	3160.2	2620.4	2120.8	1655.0	1230.3	891.4	636.6	455.8	316.0	225.6	178.1
70°	3240.6	2657.8	2148.2	1649.5	1169.1	799.2	536.1	354.4	232.0	175.4	143.4
72.5°	3152.0	2569.3	2031.3	1490.6	975.5	596.4	375.4	241.1	166.2	136.1	118.7
75°	2804.9	2180.2	1690.6	1152.6	698.7	371.7	232.9	169.0	131.5	113.3	104.1
77.5°	2094.3	1624.9	1163.6	729.8	400.0	225.6	163.5	128.8	110.5	99.6	91.3
80°	1317.1	1001.0	699.6	401.9	228.3	166.2	136.1	115.1	100.5	86.8	78.5
82.5°	733.4	533.4	356.2	229.3	158.9	134.3	117.8	105.9	89.5	75.8	67.6
85°	501.4	329.7	224.7	150.7	109.6	97.7	87.7	80.4	68.5	57.5	53.0
87.5°	203.7	190.0	137.9	60.3	44.8	40.2	35.6	43.8	36.5	28.3	26.5
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°	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6
2.5°	937.1	935.3	936.2	935.3	934.4	933.4	932.5	933.4	931.6	932.5	932.5
5°	934.4	932.5	935.3	934.4	932.5	932.5	931.6	931.6	931.6	931.6	932.5
7.5°	926.1	926.1	928.9	928.9	927.1	927.1	925.2	924.3	924.3	925.2	927.1
10°	915.2	917.9	922.5	920.7	917.0	915.2	912.4	910.6	909.7	911.5	913.4
12.5°	907.0	908.8	906.0	903.3	897.8	891.4	890.5	885.9	883.2	887.8	887.8
15°	893.3	885.9	875.9	866.8	854.0	847.6	840.3	838.5	832.1	833.0	837.5
17.5°	864.0	844.8	829.3	820.2	809.2	804.7	796.4	791.9	787.3	782.7	785.5
20°	822.9	801.9	781.8	770.0	752.6	748.9	735.2	735.2	729.8	730.7	736.2
22.5°	770.9	738.9	713.3	698.7	680.4	673.1	666.7	662.2	659.4	664.9	658.5
25°	702.4	664.0	640.3	619.3	599.2	591.9	583.6	580.9	581.8	578.2	584.5
27.5°	632.0	584.5	559.0	535.2	520.6	507.8	501.4	499.6	495.9	506.0	500.5
30°	543.4	500.5	470.4	445.7	428.4	422.0	415.6	413.7	419.2	411.9	408.3
32.5°	453.9	407.4	381.8	360.8	348.0	335.2	333.4	329.7	323.3	331.5	329.7
35°	372.6	333.4	306.9	294.1	276.7	271.3	260.3	257.6	258.5	260.3	259.4
37.5°	323.3	295.9	272.2	254.8	242.0	234.7	231.1	227.4	227.4	225.6	224.7
40°	300.5	277.7	255.7	239.3	229.3	223.8	220.1	216.5	213.7	211.0	208.2
42.5°	296.8	269.4	244.8	228.3	219.2	217.4	216.5	213.7	210.1	205.5	201.9
45°	294.1	259.4	233.8	219.2	212.8	211.9	211.9	209.2	206.4	201.9	196.4
47.5°	285.0	246.6	221.9	211.0	208.2	209.2	208.2	205.5	203.7	199.1	192.7
50°	264.9	227.4	203.7	195.5	194.5	193.6	193.6	192.7	190.9	187.2	180.8
52.5°	247.5	210.1	190.9	185.4	183.6	183.6	181.8	180.8	177.2	174.4	169.9
55°	236.6	200.9	184.5	180.8	180.8	179.9	178.1	175.4	172.6	169.0	163.5
57.5°	226.5	193.6	179.9	177.2	178.1	177.2	175.4	173.5	169.9	165.3	158.9
60°	211.9	182.7	170.8	169.9	171.7	173.5	172.6	171.7	169.0	162.6	153.4
62.5°	190.9	164.4	155.3	157.1	158.9	160.7	159.8	158.9	156.2	150.7	142.5
65°	169.9	150.7	145.2	147.0	148.9	148.9	148.9	147.0	145.2	138.8	132.4
67.5°	149.8	137.9	136.1	137.9	138.8	138.8	139.7	137.9	135.2	130.6	124.2
70°	127.9	122.4	122.4	124.2	125.1	124.2	125.1	122.4	119.6	116.9	110.5
72.5°	114.2	114.2	113.3	113.3	113.3	111.4	110.5	108.7	105.9	103.2	97.7
75°	101.4	101.4	100.5	102.3	98.6	95.9	95.0	93.2	90.4	86.8	83.1
77.5°	86.8	84.9	84.9	87.7	86.8	83.1	80.4	79.5	75.8	72.2	70.3
80°	74.9	73.1	73.1	72.2	70.3	69.4	65.8	62.1	61.2	61.2	58.5
82.5°	65.8	64.8	62.1	60.3	57.5	54.8	52.1	50.2	47.5	46.6	47.5
85°	52.1	53.0	50.2	48.4	45.7	42.0	39.3	37.4	35.6	35.6	39.3
87.5°	30.1	28.3	28.3	27.4	26.5	23.7	23.7	21.0	20.1	25.6	26.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6
2.5°	933.4	933.4	930.7	932.5	931.6	932.5	936.2	932.5	931.6	934.4	937.1
5°	933.4	935.3	932.5	934.4	934.4	937.1	941.7	938.9	940.8	944.4	948.1
7.5°	929.8	932.5	932.5	936.2	938.9	943.5	949.9	948.1	951.7	957.2	961.8
10°	919.7	924.3	928.9	934.4	940.8	948.1	957.2	957.2	960.8	968.2	972.7
12.5°	895.1	907.0	912.4	925.2	935.3	946.2	956.3	962.7	965.4	971.8	977.3
15°	845.8	860.4	871.3	886.9	903.3	918.8	936.2	942.6	948.1	950.8	953.5
17.5°	789.1	799.2	806.5	826.6	844.8	859.5	875.9	884.1	890.5	890.5	892.3
20°	742.6	747.1	748.9	748.9	759.9	773.6	794.6	791.9	797.4	791.9	797.4
22.5°	670.4	663.1	666.7	666.7	674.1	671.3	679.5	693.2	691.4	695.1	710.6
25°	582.7	583.6	577.2	577.2	578.2	580.0	583.6	587.3	600.1	613.8	623.8
27.5°	499.6	497.8	493.2	489.6	485.9	492.3	496.9	495.9	514.2	525.2	543.4
30°	408.3	408.3	409.2	407.4	411.0	406.4	413.7	415.6	431.1	443.0	459.4
32.5°	332.5	334.3	334.3	333.4	339.8	335.2	338.9	343.4	353.5	363.5	371.7
35°	264.0	266.7	274.0	276.7	279.5	275.8	280.4	285.9	286.8	295.9	302.3
37.5°	223.8	228.3	229.3	231.1	231.1	233.8	234.7	238.4	238.4	241.1	243.0
40°	206.4	204.6	203.7	202.8	200.9	201.9	202.8	205.5	206.4	208.2	208.2
42.5°	198.2	195.5	190.9	188.2	184.5	184.5	184.5	184.5	187.2	189.1	189.1
45°	190.9	186.3	181.8	177.2	174.4	172.6	173.5	174.4	176.3	177.2	178.1
47.5°	186.3	179.9	172.6	168.1	165.3	163.5	164.4	165.3	165.3	166.2	167.1
50°	173.5	167.1	160.7	156.2	153.4	152.5	152.5	151.6	152.5	153.4	153.4
52.5°	163.5	157.1	151.6	147.0	144.3	144.3	143.4	141.6	142.5	141.6	142.5
55°	158.0	149.8	143.4	138.8	136.1	136.1	134.3	135.2	135.2	133.3	134.3
57.5°	151.6	143.4	137.9	132.4	128.8	128.8	127.9	128.8	129.7	127.0	127.0
60°	145.2	137.9	131.5	127.0	122.4	123.3	122.4	124.2	124.2	121.5	121.5
62.5°	133.3	127.0	123.3	120.6	116.9	117.8	117.8	120.6	117.8	116.0	115.1
65°	124.2	119.6	114.2	114.2	110.5	112.3	112.3	112.3	109.6	108.7	109.6
67.5°	117.8	112.3	108.7	105.0	102.3	103.2	101.4	101.4	100.5	99.6	101.4
70°	105.9	101.4	99.6	95.9	94.1	91.3	90.4	90.4	90.4	89.5	90.4
72.5°	94.1	90.4	88.6	84.9	83.1	81.3	80.4	79.5	78.5	79.5	79.5
75°	79.5	77.6	75.8	74.0	72.2	71.2	70.3	70.3	69.4	68.5	69.4
77.5°	68.5	65.8	64.8	63.0	63.9	61.2	60.3	61.2	61.2	61.2	62.1
80°	58.5	56.6	56.6	54.8	53.9	52.1	53.0	53.0	53.0	53.0	53.9
82.5°	51.1	49.3	49.3	48.4	45.7	43.8	44.8	46.6	46.6	45.7	47.5
85°	42.0	40.2	40.2	39.3	35.6	34.7	33.8	35.6	36.5	34.7	36.5
87.5°	27.4	25.6	24.7	24.7	21.0	14.6	19.2	21.0	21.0	17.4	20.1
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°	185°	190°	195°	200°	205°	210°	215°
0°	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6
2.5°	936.2	938.0	938.0	939.8	943.5	939.8	938.0	940.8	940.8	939.8	939.8
5°	948.1	951.7	952.6	958.1	960.8	959.0	960.8	962.7	963.6	961.8	963.6
7.5°	963.6	968.2	972.7	979.1	984.6	983.7	986.4	990.1	991.0	991.0	992.8
10°	976.4	982.8	987.3	995.6	1001.9	1003.8	1006.5	1011.1	1015.6	1015.6	1019.3
12.5°	979.1	986.4	991.0	998.3	1009.3	1012.9	1019.3	1030.3	1034.8	1038.5	1041.2
15°	955.4	961.8	968.2	978.2	991.0	1001.9	1016.6	1032.1	1045.8	1055.8	1059.5
17.5°	893.3	894.2	900.6	915.2	941.7	953.5	971.8	1003.8	1023.0	1041.2	1058.6
20°	801.9	819.3	825.7	844.8	870.4	888.7	909.7	938.9	968.2	1001.0	1030.3
22.5°	721.5	744.4	762.6	785.5	806.5	827.5	854.0	879.6	911.5	943.5	978.2
25°	639.3	660.4	685.9	710.6	735.2	761.7	794.6	822.0	854.0	891.4	935.3
27.5°	559.9	581.8	610.1	639.3	659.4	695.1	722.5	762.6	799.2	840.3	889.6
30°	476.8	497.8	511.5	543.4	571.8	607.4	649.4	688.7	732.5	778.2	835.7
32.5°	386.3	399.1	418.3	440.2	473.1	510.6	554.4	596.4	656.7	713.3	768.1
35°	309.6	316.0	315.1	339.8	354.4	399.1	453.9	494.1	554.4	623.8	696.0
37.5°	243.9	243.0	248.4	252.1	270.4	299.6	342.5	394.6	464.0	538.9	611.0
40°	208.2	209.2	210.1	210.1	213.7	232.9	271.3	325.2	391.8	458.5	538.0
42.5°	191.8	193.6	194.5	196.4	198.2	204.6	232.0	282.2	338.9	410.1	481.3
45°	179.9	182.7	185.4	185.4	187.2	189.1	204.6	243.0	299.6	367.2	442.1
47.5°	169.9	172.6	174.4	175.4	177.2	179.0	187.2	213.7	268.5	329.7	407.4
50°	155.3	158.0	159.8	162.6	162.6	162.6	168.1	187.2	229.3	289.5	365.3
52.5°	143.4	145.2	148.0	149.8	150.7	151.6	154.4	165.3	197.3	253.9	325.2
55°	137.0	138.8	141.6	143.4	145.2	146.1	148.0	152.5	175.4	223.8	290.4
57.5°	128.8	131.5	135.2	137.0	138.8	139.7	140.7	142.5	158.0	194.5	249.3
60°	123.3	127.9	132.4	135.2	136.1	137.0	137.9	136.1	142.5	165.3	208.2
62.5°	116.9	121.5	125.1	128.8	129.7	130.6	131.5	128.8	127.9	138.8	162.6
65°	111.4	114.2	116.9	119.6	119.6	120.6	119.6	116.0	113.3	113.3	124.2
67.5°	104.1	105.9	108.7	109.6	109.6	109.6	108.7	107.8	103.2	101.4	103.2
70°	93.2	95.9	98.6	100.5	100.5	99.6	98.6	95.9	94.1	92.2	94.1
72.5°	83.1	86.8	87.7	88.6	87.7	87.7	87.7	85.9	86.8	86.8	87.7
75°	73.1	74.9	74.9	76.7	76.7	76.7	76.7	76.7	78.5	77.6	78.5
77.5°	62.1	63.0	64.8	64.8	64.8	65.8	67.6	67.6	69.4	70.3	70.3
80°	53.9	52.1	52.1	51.1	52.1	53.9	55.7	59.4	59.4	60.3	61.2
82.5°	42.9	39.3	37.4	39.3	39.3	40.2	43.8	47.5	47.5	50.2	51.1
85°	32.9	28.3	24.7	26.5	26.5	28.3	32.0	33.8	36.5	37.4	36.5
87.5°	19.2	16.4	11.0	9.1	11.0	13.7	14.6	16.4	13.7	15.5	16.4
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°	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6
2.5°	941.7	941.7	937.1	937.1	938.0	939.8	935.3	934.4	935.3	934.4	933.4
5°	966.3	963.6	962.7	960.8	959.9	961.8	957.2	957.2	956.3	954.5	951.7
7.5°	993.7	991.9	990.1	988.2	986.4	987.3	982.8	981.9	980.9	980.0	977.3
10°	1019.3	1016.6	1014.7	1010.2	1006.5	1002.9	993.7	991.0	988.2	986.4	985.5
12.5°	1040.3	1037.6	1031.2	1023.0	1017.5	1008.3	1001.0	994.6	991.9	989.2	990.1
15°	1060.4	1054.9	1046.7	1036.7	1031.2	1022.0	1016.6	1013.8	1012.0	1010.2	1012.0
17.5°	1066.8	1068.6	1064.1	1061.3	1057.7	1054.0	1054.9	1057.7	1063.1	1063.1	1063.1
20°	1054.9	1075.0	1087.8	1097.8	1106.1	1111.5	1112.5	1115.2	1121.6	1124.3	1138.0
22.5°	1026.6	1078.7	1121.6	1156.3	1178.2	1185.5	1193.7	1202.9	1203.8	1206.5	1219.3
25°	1000.1	1075.9	1139.9	1194.7	1245.8	1281.4	1301.5	1319.8	1324.4	1328.0	1328.0
27.5°	953.5	1037.6	1119.8	1192.8	1263.2	1322.5	1369.1	1416.6	1449.5	1461.4	1478.7
30°	904.2	992.8	1077.8	1170.0	1259.5	1342.6	1426.7	1503.4	1557.3	1597.4	1629.4
32.5°	842.1	938.0	1034.8	1135.3	1242.2	1346.3	1458.6	1570.0	1672.3	1752.7	1802.0
35°	777.3	877.7	978.2	1088.7	1209.3	1335.3	1478.7	1626.7	1763.7	1894.3	2006.6
37.5°	706.0	801.0	910.6	1036.7	1166.3	1317.1	1484.2	1667.8	1857.8	2045.0	2190.2
40°	624.7	717.0	822.9	955.4	1112.5	1282.3	1481.5	1699.7	1938.1	2171.0	2404.9
42.5°	569.0	654.0	755.3	888.7	1048.5	1243.1	1470.5	1729.0	2011.2	2299.8	2593.9
45°	527.0	610.1	709.7	837.5	1000.1	1204.7	1466.8	1761.9	2087.9	2418.6	2762.0
47.5°	490.5	576.3	672.2	798.3	955.4	1170.0	1458.6	1789.3	2151.9	2509.9	2908.1
50°	454.8	542.5	641.2	768.1	922.5	1132.6	1440.4	1813.9	2212.1	2604.9	3028.7
52.5°	415.6	502.3	608.3	738.0	901.5	1108.8	1421.2	1834.0	2270.6	2706.3	3153.8
55°	373.6	461.2	565.4	702.4	873.2	1090.5	1402.0	1846.8	2331.8	2797.6	3266.1
57.5°	327.9	415.6	517.0	656.7	838.5	1065.9	1381.0	1845.9	2376.5	2883.4	3387.6
60°	272.2	351.6	452.1	592.8	778.2	1031.2	1363.6	1838.6	2408.5	2959.3	3522.8
62.5°	207.3	274.9	367.2	498.7	691.4	964.5	1318.0	1807.5	2412.2	3014.1	3635.1
65°	148.0	184.5	257.6	389.1	548.9	815.6	1207.4	1725.3	2351.9	2974.8	3645.2
67.5°	113.3	133.3	169.0	247.5	389.1	621.1	1017.5	1540.8	2164.6	2765.6	3477.1
70°	97.7	107.8	127.0	161.7	243.9	402.8	720.6	1217.5	1782.9	2379.3	2986.7
72.5°	90.4	96.8	108.7	126.0	155.3	237.5	443.9	818.4	1309.7	1813.9	2345.5
75°	83.1	89.5	98.6	109.6	124.2	158.9	242.0	481.3	808.3	1198.3	1576.4
77.5°	74.0	79.5	91.3	101.4	110.5	124.2	154.4	267.6	444.8	717.0	943.5
80°	62.1	67.6	76.7	92.2	101.4	110.5	120.6	164.4	245.7	370.8	484.1
82.5°	51.1	53.9	61.2	74.9	83.1	87.7	90.4	106.9	139.7	182.7	266.7
85°	35.6	35.6	41.1	48.4	54.8	51.1	52.1	54.8	72.2	101.4	204.6
87.5°	13.7	10.0	12.8	15.5	15.5	14.6	17.4	16.4	22.8	42.9	58.5
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	931.6	0°
2.5°	933.4	933.4	932.5	931.6	930.7	930.7	928.9	931.6	930.7	931.6	932.5	2.5°
5°	952.6	950.8	949.0	947.1	947.1	945.3	942.6	941.7	938.0	937.1	934.4	5°
7.5°	980.0	980.0	980.0	978.2	974.5	970.0	964.5	960.8	950.8	943.5	935.3	7.5°
10°	987.3	989.2	990.1	991.0	987.3	986.4	980.0	972.7	960.8	949.9	938.9	10°
12.5°	990.1	993.7	994.6	995.6	992.8	991.0	984.6	980.0	970.0	959.0	953.5	12.5°
15°	1015.6	1022.0	1029.3	1028.4	1036.7	1027.5	1022.0	1023.0	1012.0	1000.1	996.5	15°
17.5°	1081.4	1084.1	1099.7	1100.6	1113.4	1117.0	1107.9	1097.8	1091.5	1084.1	1068.6	17.5°
20°	1152.6	1172.7	1178.2	1205.6	1218.4	1224.8	1225.7	1225.7	1213.8	1181.9	1169.1	20°
22.5°	1230.3	1260.4	1293.3	1310.7	1337.1	1340.8	1354.5	1346.3	1337.1	1312.5	1283.3	22.5°
25°	1355.4	1372.8	1402.0	1445.8	1458.6	1485.1	1479.6	1491.5	1471.4	1428.5	1411.1	25°
27.5°	1495.2	1525.3	1566.4	1607.5	1625.8	1655.0	1636.7	1655.0	1622.1	1610.2	1568.2	27.5°
30°	1647.7	1688.8	1761.9	1813.0	1850.4	1870.5	1858.7	1848.6	1839.5	1817.6	1814.8	30°
32.5°	1834.9	1884.2	1953.7	2020.3	2086.1	2154.6	2171.0	2185.6	2219.4	2152.8	2087.9	32.5°
35°	2066.0	2103.4	2181.1	2257.8	2348.2	2434.1	2575.6	2611.3	2565.6	2486.1	2382.0	35°
37.5°	2291.6	2376.5	2454.2	2545.5	2613.1	2711.7	2774.8	2845.1	2806.7	2732.7	2613.1	37.5°
40°	2568.3	2683.4	2789.4	2901.7	2978.4	3055.2	3173.9	3250.6	3243.3	3151.1	2989.4	40°
42.5°	2822.3	3004.9	3180.3	3264.3	3366.6	3505.4	3593.1	3715.5	3723.7	3616.9	3411.4	42.5°
45°	3088.0	3300.8	3514.6	3679.9	3766.7	3938.4	4139.3	4272.7	4313.8	4110.1	3900.0	45°
47.5°	3296.3	3627.8	3914.6	4090.9	4252.6	4429.7	4688.2	4880.9	4864.5	4589.6	4311.9	47.5°
50°	3479.0	3900.9	4248.0	4538.4	4732.1	4936.7	5277.3	5507.5	5427.1	5077.3	4730.2	50°
52.5°	3644.3	4139.3	4568.6	4928.4	5154.0	5446.3	5876.5	6077.4	5849.1	5511.2	5081.9	52.5°
55°	3795.9	4354.9	4853.5	5286.5	5634.5	6011.7	6415.4	6553.3	6228.1	5810.7	5416.2	55°
57.5°	3935.6	4554.9	5115.7	5635.4	6102.1	6552.4	6904.0	6913.1	6504.9	6041.8	5665.5	57.5°
60°	4103.7	4738.5	5389.7	5997.1	6566.1	7033.7	7239.2	7174.4	6683.0	6214.4	5837.2	60°
62.5°	4266.3	4903.8	5613.5	6345.0	7031.0	7439.2	7480.3	7343.3	6805.4	6294.8	5966.0	62.5°
65°	4346.6	5029.8	5738.6	6566.1	7394.5	7681.3	7631.0	7416.4	6854.7	6306.7	5998.9	65°
67.5°	4228.8	4912.0	5618.9	6470.2	7392.7	7665.7	7536.1	7276.7	6735.0	6145.0	5846.4	67.5°
70°	3795.0	4457.1	5033.5	5834.5	6872.0	7141.5	6946.9	6690.3	6237.3	5660.0	5523.9	70°
72.5°	3193.1	3684.5	4166.7	4758.6	5470.1	5705.7	5449.0	5576.9	5460.0	4901.0	4776.8	72.5°
75°	2396.6	2856.0	3044.2	3226.0	3717.3	3858.0	3759.4	4197.8	4317.4	4084.5	3767.6	75°
77.5°	1568.2	2050.5	2085.2	2088.8	2289.8	2559.2	2916.3	3372.1	3598.6	3493.6	3109.0	77.5°
80°	914.3	1444.9	1292.4	1243.1	1421.2	1721.7	2193.0	2763.8	3063.4	3085.3	2718.1	80°
82.5°	459.4	906.0	784.6	776.3	876.8	1098.8	1443.1	1761.9	2151.9	2170.1	2218.5	82.5°
85°	357.1	622.9	637.5	691.4	761.7	854.0	879.6	936.2	1153.6	1354.5	1406.6	85°
87.5°	185.4	458.5	540.7	629.3	621.1	508.7	429.3	463.1	538.9	568.1	738.0	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°
931.6	931.6	931.6	931.6	931.6	931.6	931.6
930.7	932.5	931.6	932.5	933.4	933.4	932.5
929.8	928.9	925.2	923.4	923.4	921.6	920.7
924.3	917.9	908.8	903.3	899.7	896.9	892.3
925.2	914.3	902.4	894.2	885.9	880.5	875.0
937.1	923.4	912.4	899.7	893.3	885.9	879.6
978.2	959.9	947.1	935.3	928.0	922.5	917.0
1044.0	1022.0	1001.0	990.1	977.3	968.2	967.2
1132.6	1100.6	1073.2	1048.5	1036.7	1022.0	1019.3
1233.0	1186.4	1157.2	1129.8	1113.4	1096.0	1096.9
1360.9	1314.3	1266.8	1238.5	1214.8	1217.5	1214.8
1514.3	1477.8	1423.0	1388.3	1381.0	1352.7	1331.7
1753.6	1698.8	1632.2	1570.0	1530.8	1484.2	1440.4
1988.4	1887.0	1798.4	1738.1	1687.9	1619.4	1550.9
2220.4	2103.4	2021.2	1970.1	1892.5	1796.6	1689.7
2496.2	2419.5	2361.0	2235.9	2125.4	1978.3	1816.7
2894.4	2797.6	2657.8	2498.9	2339.1	2130.8	1909.8
3290.8	3173.9	2978.4	2744.6	2515.4	2264.2	1982.9
3721.0	3495.4	3240.6	2957.4	2675.2	2363.8	2033.1
4059.8	3778.5	3460.7	3120.9	2802.2	2446.0	2077.0
4406.0	4066.2	3667.1	3284.4	2917.2	2512.6	2120.8
4678.2	4299.1	3878.1	3433.3	3024.1	2587.5	2181.1
4950.4	4531.1	4067.1	3582.2	3156.5	2691.6	2271.5
5176.9	4741.2	4249.8	3744.7	3310.0	2830.5	2419.5
5475.5	5036.2	4464.5	3937.5	3483.5	3019.5	2606.7
5759.6	5382.4	4763.1	4164.0	3695.4	3233.3	2819.5
5946.8	5773.3	5069.1	4391.4	3894.5	3433.3	3006.7
5950.5	6021.7	5391.5	4575.9	4080.8	3650.7	3160.2
5807.1	6056.4	5460.0	4592.3	4169.4	3747.5	3240.6
5311.1	5629.0	5049.9	4268.1	4005.0	3671.7	3152.0
4108.2	4338.4	4038.8	3617.8	3626.9	3432.4	2804.9
2844.2	3061.6	2809.5	2720.0	2920.0	2811.3	2094.3
2154.6	1874.2	1775.6	1823.0	2072.4	2060.5	1317.1
1918.9	1418.4	1176.4	1234.8	1463.2	1336.2	733.4
1573.7	1414.8	1182.8	1069.5	1115.2	912.4	501.4
906.0	1034.8	843.0	794.6	691.4	411.0	203.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)