

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: P141564

Luminaire Tested: **ECM-F03-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141564
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-F03-LED-E1-SLR-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5916.3 lumens
Efficiency: N/A
Efficacy: 75.6 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

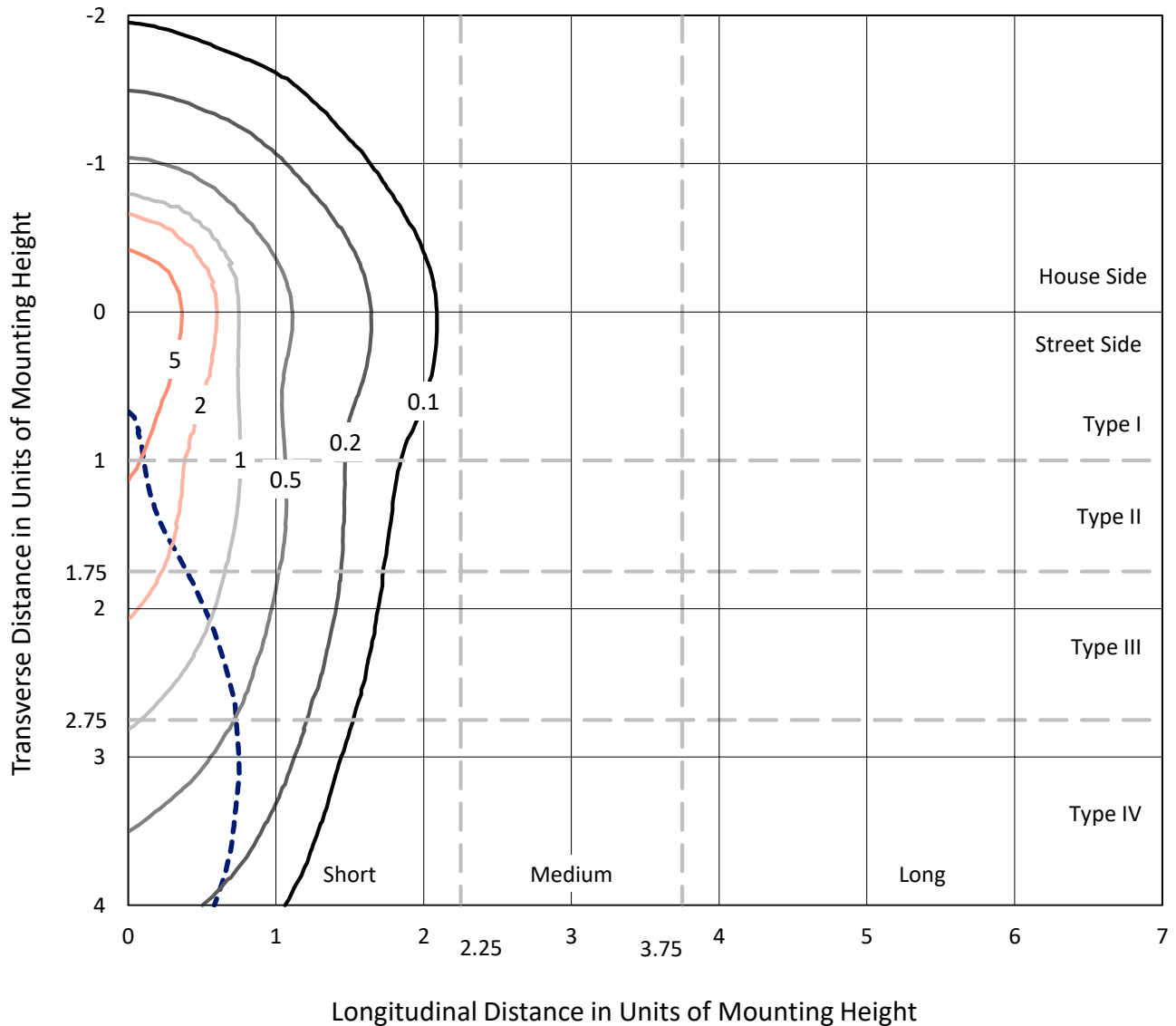
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

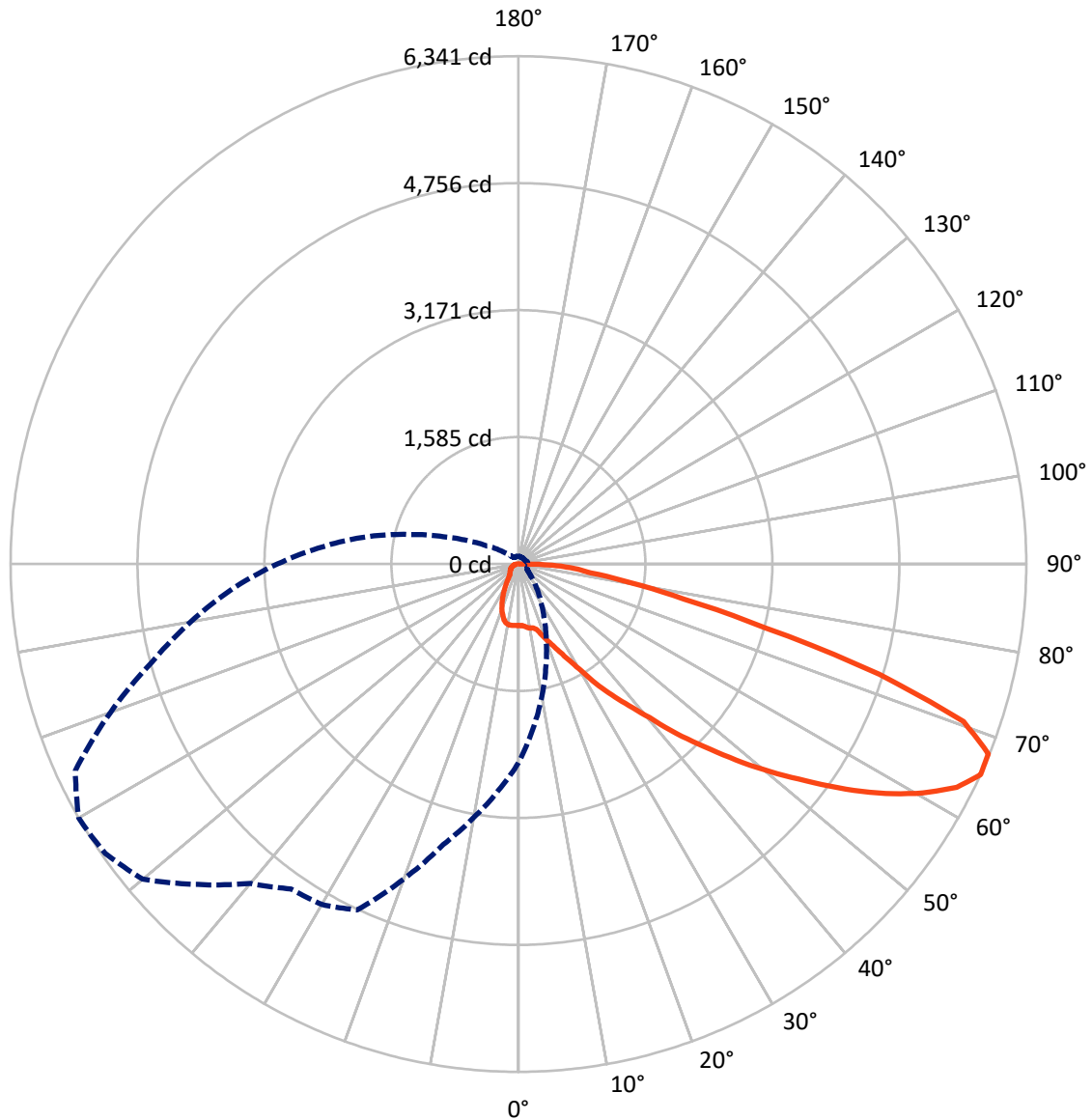
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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	1097.3	0.0	1097.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	4818.9	0.0	4818.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	5916.3	0.0	5916.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.3
10°-20°	223.5	3.8
20°-30°	371.3	6.3
30°-40°	542.8	9.2
40°-50°	825.6	14.0
50°-60°	1186.8	20.1
60°-70°	1459.1	24.7
70°-80°	976.1	16.5
80°-90°	256.8	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°	5916.3	100.0
0°-180°	5916.3	100.0



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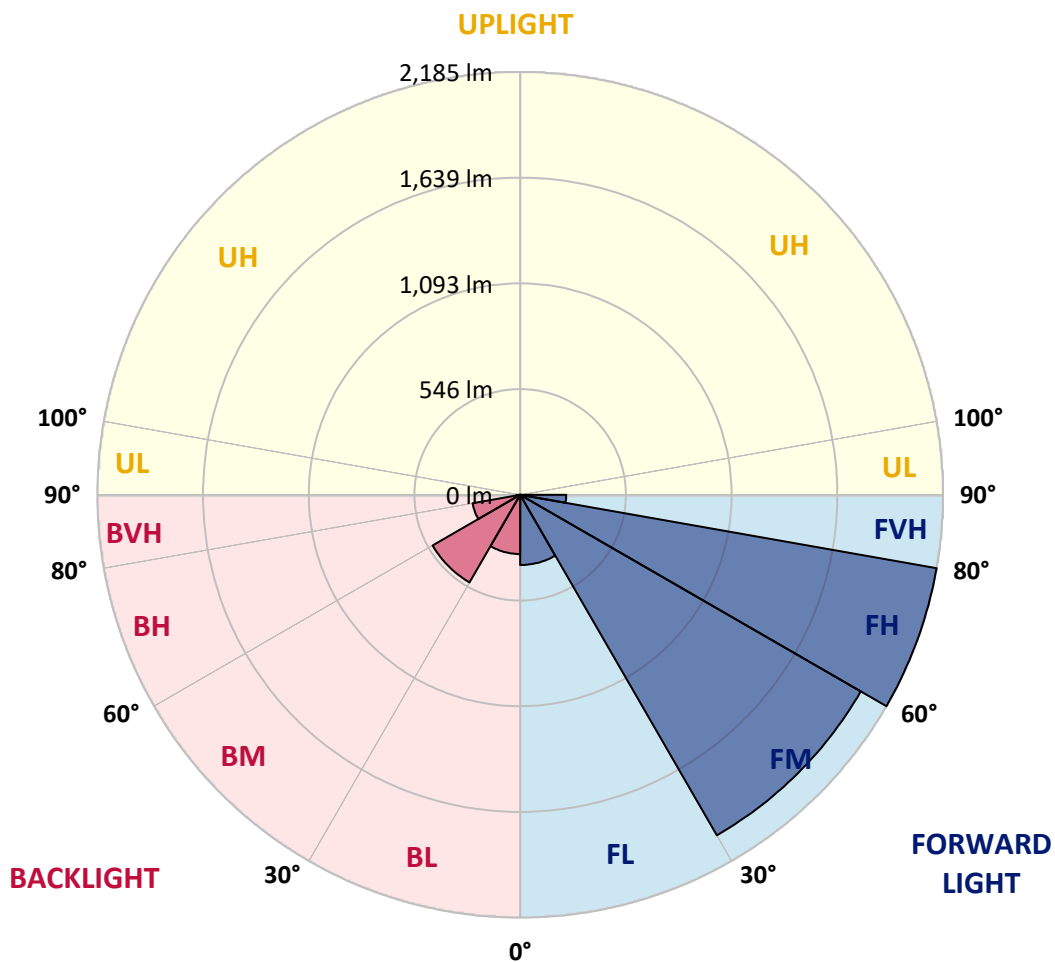
CATALOG NUMBER: ECM-F03-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.9	6.1			
FM	(30°-60°)	2032.5	34.4			
FH	(60°-80°)	2185.5	36.9			G2/5000
FVH	(80°-90°)	238.1	4.0			G3/500
BL	(0°-30°)	306.3	5.2	B1/500		
BM	(30°-60°)	522.7	8.8	B1/1000		
BH	(60°-80°)	249.7	4.2	B1/500		G1/500
BVH	(80°-90°)	18.7	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°	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1
2.5°	769.8	772.1	772.1	770.6	769.8	770.6	771.3	770.6	771.3	772.8	772.1
5°	760.0	761.5	762.3	762.3	762.3	763.8	766.1	765.3	767.6	769.1	769.1
7.5°	736.7	739.7	739.7	740.4	741.9	744.2	748.0	749.5	753.2	758.5	760.0
10°	722.3	723.1	720.8	720.1	721.6	726.1	728.4	732.1	738.2	744.2	750.2
12.5°	726.1	726.8	723.1	723.8	723.8	726.1	732.9	735.9	738.2	741.9	748.0
15°	757.0	757.0	752.5	754.0	754.7	757.8	757.8	752.5	751.0	747.2	744.2
17.5°	798.5	792.4	791.7	790.9	794.0	790.9	784.2	772.1	757.8	742.7	730.6
20°	841.5	842.2	837.7	836.9	828.6	818.1	798.5	774.4	748.7	725.3	701.2
22.5°	905.5	907.1	898.8	882.2	864.1	836.2	800.7	763.8	726.8	694.4	666.5
25°	1002.8	987.0	968.1	933.4	887.5	838.4	789.4	743.4	695.2	652.2	616.8
27.5°	1099.3	1067.7	1017.1	960.6	895.7	832.4	774.4	712.5	655.2	603.2	562.5
30°	1189.0	1130.2	1057.9	977.2	894.2	812.8	738.9	668.8	600.9	545.1	496.9
32.5°	1280.3	1194.3	1094.0	980.9	871.6	774.4	689.2	608.5	541.4	473.5	421.5
35°	1394.9	1265.2	1115.9	966.6	832.4	714.0	622.8	545.9	473.5	404.9	350.6
37.5°	1499.7	1321.8	1127.2	942.5	781.1	651.5	551.2	472.8	404.9	346.8	300.1
40°	1576.6	1358.7	1125.7	911.6	729.1	587.4	488.6	417.7	356.6	310.6	274.5
42.5°	1636.9	1379.8	1118.2	882.2	683.9	540.6	447.9	383.0	334.8	297.8	269.9
45°	1678.4	1394.9	1113.6	858.8	653.7	518.0	434.3	380.0	339.3	306.1	274.5
47.5°	1714.6	1412.2	1112.1	848.2	646.9	524.8	452.4	403.4	358.9	315.9	273.7
50°	1750.8	1429.6	1125.7	865.6	672.6	562.5	494.6	432.0	371.0	312.9	260.9
52.5°	1800.5	1480.1	1176.2	915.3	728.4	615.3	534.6	455.4	373.2	305.4	248.8
55°	1875.2	1558.5	1248.6	980.9	788.7	672.6	567.0	464.5	371.0	297.1	237.5
57.5°	1997.3	1673.9	1347.4	1072.2	867.1	717.0	585.1	468.2	365.7	288.0	228.5
60°	2151.9	1805.8	1471.8	1167.9	934.2	748.0	592.6	466.7	358.1	277.5	215.6
62.5°	2327.6	1950.6	1584.1	1255.4	982.5	762.3	589.6	454.7	340.8	255.6	197.5
65°	2482.1	2065.9	1678.4	1325.5	1012.6	762.3	570.8	426.8	309.9	224.7	174.2
67.5°	2608.8	2163.2	1750.8	1366.2	1015.6	735.9	525.5	376.2	260.9	186.2	147.0
70°	2675.2	2194.1	1773.4	1361.7	965.1	659.7	442.6	292.5	191.5	144.8	118.4
72.5°	2602.0	2121.0	1676.9	1230.5	805.3	492.4	309.9	199.1	137.2	112.3	98.0
75°	2315.5	1799.8	1395.6	951.5	576.8	306.9	192.3	139.5	108.6	93.5	86.0
77.5°	1728.9	1341.4	960.6	602.4	330.2	186.2	135.0	106.3	91.2	82.2	75.4
80°	1087.3	826.4	577.6	331.8	188.5	137.2	112.3	95.0	82.9	71.6	64.8
82.5°	605.5	440.3	294.1	189.3	131.2	110.8	97.3	87.5	73.9	62.6	55.8
85°	413.9	272.2	185.5	124.4	90.5	80.7	72.4	66.4	56.5	47.5	43.7
87.5°	168.1	156.8	113.9	49.8	36.9	33.2	29.4	36.2	30.2	23.4	21.9
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°	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1
2.5°	773.6	772.1	772.8	772.1	771.3	770.6	769.8	770.6	769.1	769.8	769.8
5°	771.3	769.8	772.1	771.3	769.8	769.8	769.1	769.1	769.1	769.1	769.8
7.5°	764.5	764.5	766.8	766.8	765.3	765.3	763.8	763.0	763.0	763.8	765.3
10°	755.5	757.8	761.5	760.0	757.0	755.5	753.2	751.7	751.0	752.5	754.0
12.5°	748.7	750.2	748.0	745.7	741.2	735.9	735.1	731.4	729.1	732.9	732.9
15°	737.4	731.4	723.1	715.5	705.0	699.7	693.7	692.2	686.9	687.6	691.4
17.5°	713.3	697.4	684.6	677.1	668.0	664.3	657.5	653.7	649.9	646.2	648.4
20°	679.3	662.0	645.4	635.6	621.3	618.3	607.0	607.0	602.4	603.2	607.7
22.5°	636.4	610.0	588.9	576.8	561.7	555.7	550.4	546.6	544.4	548.9	543.6
25°	579.8	548.2	528.5	511.2	494.6	488.6	481.8	479.5	480.3	477.3	482.6
27.5°	521.8	482.6	461.4	441.8	429.8	419.2	413.9	412.4	409.4	417.7	413.2
30°	448.6	413.2	388.3	367.9	353.6	348.3	343.1	341.6	346.1	340.1	337.0
32.5°	374.7	336.3	315.2	297.8	287.3	276.7	275.2	272.2	266.9	273.7	272.2
35°	307.6	275.2	253.3	242.8	228.5	223.9	214.9	212.6	213.4	214.9	214.1
37.5°	266.9	244.3	224.7	210.4	199.8	193.8	190.8	187.7	187.7	186.2	185.5
40°	248.1	229.2	211.1	197.5	189.3	184.7	181.7	178.7	176.4	174.2	171.9
42.5°	245.0	222.4	202.1	188.5	181.0	179.5	178.7	176.4	173.4	169.6	166.6
45°	242.8	214.1	193.0	181.0	175.7	174.9	174.9	172.7	170.4	166.6	162.1
47.5°	235.2	203.6	183.2	174.2	171.9	172.7	171.9	169.6	168.1	164.4	159.1
50°	218.7	187.7	168.1	161.4	160.6	159.8	159.8	159.1	157.6	154.6	149.3
52.5°	204.3	173.4	157.6	153.1	151.6	151.6	150.0	149.3	146.3	144.0	140.2
55°	195.3	165.9	152.3	149.3	149.3	148.5	147.0	144.8	142.5	139.5	135.0
57.5°	187.0	159.8	148.5	146.3	147.0	146.3	144.8	143.3	140.2	136.5	131.2
60°	174.9	150.8	141.0	140.2	141.8	143.3	142.5	141.8	139.5	134.2	126.7
62.5°	157.6	135.7	128.2	129.7	131.2	132.7	131.9	131.2	128.9	124.4	117.6
65°	140.2	124.4	119.9	121.4	122.9	122.9	122.9	121.4	119.9	114.6	109.3
67.5°	123.7	113.9	112.3	113.9	114.6	114.6	115.4	113.9	111.6	107.8	102.5
70°	105.6	101.0	101.0	102.5	103.3	102.5	103.3	101.0	98.8	96.5	91.2
72.5°	94.2	94.2	93.5	93.5	93.5	92.0	91.2	89.7	87.5	85.2	80.7
75°	83.7	83.7	82.9	84.4	81.4	79.2	78.4	76.9	74.6	71.6	68.6
77.5°	71.6	70.1	70.1	72.4	71.6	68.6	66.4	65.6	62.6	59.6	58.1
80°	61.8	60.3	60.3	59.6	58.1	57.3	54.3	51.3	50.5	50.5	48.3
82.5°	54.3	53.5	51.3	49.8	47.5	45.2	43.0	41.5	39.2	38.5	39.2
85°	43.0	43.7	41.5	40.0	37.7	34.7	32.4	30.9	29.4	29.4	32.4
87.5°	24.9	23.4	23.4	22.6	21.9	19.6	19.6	17.3	16.6	21.1	21.9
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°	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1
2.5°	770.6	770.6	768.3	769.8	769.1	769.8	772.8	769.8	769.1	771.3	773.6
5°	770.6	772.1	769.8	771.3	771.3	773.6	777.4	775.1	776.6	779.6	782.6
7.5°	767.6	769.8	769.8	772.8	775.1	778.9	784.2	782.6	785.7	790.2	794.0
10°	759.3	763.0	766.8	771.3	776.6	782.6	790.2	790.2	793.2	799.2	803.0
12.5°	738.9	748.7	753.2	763.8	772.1	781.1	789.4	794.7	797.0	802.2	806.8
15°	698.2	710.3	719.3	732.1	745.7	758.5	772.8	778.1	782.6	784.9	787.2
17.5°	651.5	659.7	665.8	682.4	697.4	709.5	723.1	729.9	735.1	735.1	736.7
20°	613.0	616.8	618.3	618.3	627.3	638.6	656.0	653.7	658.2	653.7	658.2
22.5°	553.4	547.4	550.4	550.4	556.4	554.2	561.0	572.3	570.8	573.8	586.6
25°	481.0	481.8	476.5	476.5	477.3	478.8	481.8	484.8	495.4	506.7	515.0
27.5°	412.4	410.9	407.2	404.1	401.1	406.4	410.2	409.4	424.5	433.5	448.6
30°	337.0	337.0	337.8	336.3	339.3	335.5	341.6	343.1	355.9	365.7	379.3
32.5°	274.5	276.0	276.0	275.2	280.5	276.7	279.7	283.5	291.8	300.1	306.9
35°	217.9	220.2	226.2	228.5	230.7	227.7	231.5	236.0	236.8	244.3	249.6
37.5°	184.7	188.5	189.3	190.8	190.8	193.0	193.8	196.8	196.8	199.1	200.6
40°	170.4	168.9	168.1	167.4	165.9	166.6	167.4	169.6	170.4	171.9	171.9
42.5°	163.6	161.4	157.6	155.3	152.3	152.3	152.3	152.3	154.6	156.1	156.1
45°	157.6	153.8	150.0	146.3	144.0	142.5	143.3	144.0	145.5	146.3	147.0
47.5°	153.8	148.5	142.5	138.7	136.5	135.0	135.7	136.5	136.5	137.2	138.0
50°	143.3	138.0	132.7	128.9	126.7	125.9	125.9	125.2	125.9	126.7	126.7
52.5°	135.0	129.7	125.2	121.4	119.1	119.1	118.4	116.9	117.6	116.9	117.6
55°	130.4	123.7	118.4	114.6	112.3	112.3	110.8	111.6	111.6	110.1	110.8
57.5°	125.2	118.4	113.9	109.3	106.3	106.3	105.6	106.3	107.1	104.8	104.8
60°	119.9	113.9	108.6	104.8	101.0	101.8	101.0	102.5	102.5	100.3	100.3
62.5°	110.1	104.8	101.8	99.5	96.5	97.3	97.3	99.5	97.3	95.8	95.0
65°	102.5	98.8	94.2	94.2	91.2	92.7	92.7	92.7	90.5	89.7	90.5
67.5°	97.3	92.7	89.7	86.7	84.4	85.2	83.7	83.7	82.9	82.2	83.7
70°	87.5	83.7	82.2	79.2	77.7	75.4	74.6	74.6	74.6	73.9	74.6
72.5°	77.7	74.6	73.1	70.1	68.6	67.1	66.4	65.6	64.8	65.6	65.6
75°	65.6	64.1	62.6	61.1	59.6	58.8	58.1	58.1	57.3	56.5	57.3
77.5°	56.5	54.3	53.5	52.0	52.8	50.5	49.8	50.5	50.5	50.5	51.3
80°	48.3	46.7	46.7	45.2	44.5	43.0	43.7	43.7	43.7	43.7	44.5
82.5°	42.2	40.7	40.7	40.0	37.7	36.2	36.9	38.5	38.5	37.7	39.2
85°	34.7	33.2	33.2	32.4	29.4	28.7	27.9	29.4	30.2	28.7	30.2
87.5°	22.6	21.1	20.4	20.4	17.3	12.1	15.8	17.3	17.3	14.3	16.6
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°	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1
2.5°	772.8	774.4	774.4	775.9	778.9	775.9	774.4	776.6	776.6	775.9	775.9
5°	782.6	785.7	786.4	790.9	793.2	791.7	793.2	794.7	795.5	794.0	795.5
7.5°	795.5	799.2	803.0	808.3	812.8	812.1	814.3	817.3	818.1	818.1	819.6
10°	806.0	811.3	815.1	821.9	827.1	828.6	830.9	834.7	838.4	838.4	841.5
12.5°	808.3	814.3	818.1	824.1	833.2	836.2	841.5	850.5	854.3	857.3	859.6
15°	788.7	794.0	799.2	807.5	818.1	827.1	839.2	852.0	863.3	871.6	874.6
17.5°	737.4	738.2	743.4	755.5	777.4	787.2	802.2	828.6	844.5	859.6	873.9
20°	662.0	676.3	681.6	697.4	718.6	733.6	751.0	775.1	799.2	826.4	850.5
22.5°	595.7	614.5	629.6	648.4	665.8	683.1	705.0	726.1	752.5	778.9	807.5
25°	527.8	545.1	566.2	586.6	607.0	628.8	656.0	678.6	705.0	735.9	772.1
27.5°	462.2	480.3	503.7	527.8	544.4	573.8	596.4	629.6	659.7	693.7	734.4
30°	393.6	410.9	422.2	448.6	472.0	501.4	536.1	568.5	604.7	642.4	689.9
32.5°	318.9	329.5	345.3	363.4	390.6	421.5	457.7	492.4	542.1	588.9	634.1
35°	255.6	260.9	260.1	280.5	292.5	329.5	374.7	407.9	457.7	515.0	574.5
37.5°	201.3	200.6	205.1	208.1	223.2	247.3	282.7	325.7	383.0	444.9	504.4
40°	171.9	172.7	173.4	173.4	176.4	192.3	223.9	268.4	323.5	378.5	444.1
42.5°	158.3	159.8	160.6	162.1	163.6	168.9	191.5	233.0	279.7	338.5	397.4
45°	148.5	150.8	153.1	153.1	154.6	156.1	168.9	200.6	247.3	303.1	364.9
47.5°	140.2	142.5	144.0	144.8	146.3	147.8	154.6	176.4	221.7	272.2	336.3
50°	128.2	130.4	131.9	134.2	134.2	134.2	138.7	154.6	189.3	239.0	301.6
52.5°	118.4	119.9	122.1	123.7	124.4	125.2	127.4	136.5	162.9	209.6	268.4
55°	113.1	114.6	116.9	118.4	119.9	120.6	122.1	125.9	144.8	184.7	239.8
57.5°	106.3	108.6	111.6	113.1	114.6	115.4	116.1	117.6	130.4	160.6	205.8
60°	101.8	105.6	109.3	111.6	112.3	113.1	113.9	112.3	117.6	136.5	171.9
62.5°	96.5	100.3	103.3	106.3	107.1	107.8	108.6	106.3	105.6	114.6	134.2
65°	92.0	94.2	96.5	98.8	98.8	99.5	98.8	95.8	93.5	93.5	102.5
67.5°	86.0	87.5	89.7	90.5	90.5	90.5	89.7	89.0	85.2	83.7	85.2
70°	76.9	79.2	81.4	82.9	82.9	82.2	81.4	79.2	77.7	76.2	77.7
72.5°	68.6	71.6	72.4	73.1	72.4	72.4	72.4	70.9	71.6	71.6	72.4
75°	60.3	61.8	61.8	63.3	63.3	63.3	63.3	63.3	64.8	64.1	64.8
77.5°	51.3	52.0	53.5	53.5	53.5	54.3	55.8	55.8	57.3	58.1	58.1
80°	44.5	43.0	43.0	42.2	43.0	44.5	46.0	49.0	49.0	49.8	50.5
82.5°	35.4	32.4	30.9	32.4	32.4	33.2	36.2	39.2	39.2	41.5	42.2
85°	27.1	23.4	20.4	21.9	21.9	23.4	26.4	27.9	30.2	30.9	30.2
87.5°	15.8	13.6	9.0	7.5	9.0	11.3	12.1	13.6	11.3	12.8	13.6
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1
2.5°	777.4	777.4	773.6	773.6	774.4	775.9	772.1	771.3	772.1	771.3	770.6
5°	797.7	795.5	794.7	793.2	792.4	794.0	790.2	790.2	789.4	787.9	785.7
7.5°	820.3	818.8	817.3	815.8	814.3	815.1	811.3	810.5	809.8	809.0	806.8
10°	841.5	839.2	837.7	833.9	830.9	827.9	820.3	818.1	815.8	814.3	813.6
12.5°	858.8	856.5	851.3	844.5	839.9	832.4	826.4	821.1	818.8	816.6	817.3
15°	875.4	870.9	864.1	855.8	851.3	843.7	839.2	836.9	835.4	833.9	835.4
17.5°	880.7	882.2	878.4	876.1	873.1	870.1	870.9	873.1	877.6	877.6	877.6
20°	870.9	887.5	898.0	906.3	913.1	917.6	918.4	920.6	925.9	928.2	939.5
22.5°	847.5	890.5	925.9	954.6	972.7	978.7	985.5	993.0	993.8	996.0	1006.6
25°	825.6	888.2	941.0	986.2	1028.4	1057.9	1074.4	1089.5	1093.3	1096.3	1096.3
27.5°	787.2	856.5	924.4	984.7	1042.8	1091.8	1130.2	1169.4	1196.6	1206.4	1220.7
30°	746.5	819.6	889.7	965.9	1039.8	1108.4	1177.7	1241.1	1285.6	1318.7	1345.1
32.5°	695.2	774.4	854.3	937.2	1025.4	1111.4	1204.1	1296.1	1380.6	1446.9	1487.6
35°	641.6	724.6	807.5	898.8	998.3	1102.3	1220.7	1342.9	1456.0	1563.8	1656.5
37.5°	582.8	661.3	751.7	855.8	962.8	1087.3	1225.2	1376.8	1533.6	1688.2	1808.1
40°	515.7	591.9	679.3	788.7	918.4	1058.6	1223.0	1403.2	1600.0	1792.2	1985.3
42.5°	469.7	539.9	623.6	733.6	865.6	1026.2	1213.9	1427.3	1660.3	1898.6	2141.3
45°	435.1	503.7	585.9	691.4	825.6	994.5	1210.9	1454.5	1723.6	1996.6	2280.1
47.5°	404.9	475.8	554.9	659.0	788.7	965.9	1204.1	1477.1	1776.4	2072.0	2400.7
50°	375.5	447.9	529.3	634.1	761.5	935.0	1189.0	1497.4	1826.2	2150.4	2500.2
52.5°	343.1	414.7	502.2	609.2	744.2	915.3	1173.2	1514.0	1874.4	2234.1	2603.5
55°	308.4	380.8	466.7	579.8	720.8	900.3	1157.4	1524.6	1924.9	2309.5	2696.3
57.5°	270.7	343.1	426.8	542.1	692.2	879.9	1140.0	1523.8	1961.9	2380.4	2796.6
60°	224.7	290.3	373.2	489.3	642.4	851.3	1125.7	1517.8	1988.3	2442.9	2908.2
62.5°	171.2	227.0	303.1	411.7	570.8	796.2	1088.0	1492.2	1991.3	2488.2	3000.9
65°	122.1	152.3	212.6	321.2	453.2	673.3	996.8	1424.3	1941.5	2455.8	3009.2
67.5°	93.5	110.1	139.5	204.3	321.2	512.7	839.9	1272.0	1787.0	2283.1	2870.5
70°	80.7	89.0	104.8	133.5	201.3	332.5	594.9	1005.1	1471.8	1964.2	2465.6
72.5°	74.6	79.9	89.7	104.1	128.2	196.0	366.4	675.6	1081.2	1497.4	1936.3
75°	68.6	73.9	81.4	90.5	102.5	131.2	199.8	397.4	667.3	989.2	1301.4
77.5°	61.1	65.6	75.4	83.7	91.2	102.5	127.4	220.9	367.2	591.9	778.9
80°	51.3	55.8	63.3	76.2	83.7	91.2	99.5	135.7	202.8	306.1	399.6
82.5°	42.2	44.5	50.5	61.8	68.6	72.4	74.6	88.2	115.4	150.8	220.2
85°	29.4	29.4	33.9	40.0	45.2	42.2	43.0	45.2	59.6	83.7	168.9
87.5°	11.3	8.3	10.6	12.8	12.8	12.1	14.3	13.6	18.8	35.4	48.3
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	769.1	0°
2.5°	770.6	770.6	769.8	769.1	768.3	768.3	766.8	769.1	768.3	769.1	769.8	2.5°
5°	786.4	784.9	783.4	781.9	781.9	780.4	778.1	777.4	774.4	773.6	771.3	5°
7.5°	809.0	809.0	809.0	807.5	804.5	800.7	796.2	793.2	784.9	778.9	772.1	7.5°
10°	815.1	816.6	817.3	818.1	815.1	814.3	809.0	803.0	793.2	784.2	775.1	10°
12.5°	817.3	820.3	821.1	821.9	819.6	818.1	812.8	809.0	800.7	791.7	787.2	12.5°
15°	838.4	843.7	849.8	849.0	855.8	848.2	843.7	844.5	835.4	825.6	822.6	15°
17.5°	892.7	895.0	907.8	908.6	919.1	922.1	914.6	906.3	901.0	895.0	882.2	17.5°
20°	951.5	968.1	972.7	995.3	1005.8	1011.1	1011.9	1011.9	1002.1	975.7	965.1	20°
22.5°	1015.6	1040.5	1067.7	1082.0	1103.8	1106.9	1118.2	1111.4	1103.8	1083.5	1059.4	22.5°
25°	1118.9	1133.3	1157.4	1193.6	1204.1	1226.0	1221.5	1231.3	1214.7	1179.2	1164.9	25°
27.5°	1234.3	1259.2	1293.1	1327.0	1342.1	1366.2	1351.2	1366.2	1339.1	1329.3	1294.6	27.5°
30°	1360.2	1394.1	1454.5	1496.7	1527.6	1544.2	1534.4	1526.1	1518.5	1500.4	1498.2	30°
32.5°	1514.8	1555.5	1612.8	1667.8	1722.1	1778.7	1792.2	1804.3	1832.2	1777.2	1723.6	32.5°
35°	1705.5	1736.4	1800.5	1863.9	1938.5	2009.4	2126.3	2155.7	2118.0	2052.4	1966.4	35°
37.5°	1891.8	1961.9	2026.0	2101.4	2157.2	2238.6	2290.6	2348.7	2317.0	2255.9	2157.2	37.5°
40°	2120.2	2215.2	2302.7	2395.4	2458.8	2522.1	2620.1	2683.5	2677.4	2601.3	2467.8	40°
42.5°	2329.8	2480.6	2625.4	2694.8	2779.2	2893.8	2966.2	3067.2	3074.0	2985.8	2816.2	42.5°
45°	2549.3	2724.9	2901.4	3037.8	3109.5	3251.2	3417.1	3527.2	3561.1	3393.0	3219.6	45°
47.5°	2721.2	2994.9	3231.6	3377.1	3510.6	3656.9	3870.2	4029.3	4015.8	3788.8	3559.6	47.5°
50°	2872.0	3220.3	3506.8	3746.6	3906.4	4075.3	4356.6	4546.6	4480.2	4191.4	3904.9	50°
52.5°	3008.4	3417.1	3771.5	4068.5	4254.8	4496.1	4851.2	5017.1	4828.6	4549.6	4195.2	52.5°
55°	3133.6	3595.0	4006.7	4364.1	4651.4	4962.8	5296.1	5409.9	5141.5	4796.9	4471.2	55°
57.5°	3249.0	3760.2	4223.1	4652.1	5037.4	5409.1	5699.4	5707.0	5369.9	4987.7	4677.0	57.5°
60°	3387.7	3911.7	4449.3	4950.7	5420.5	5806.5	5976.2	5922.6	5517.0	5130.2	4818.8	60°
62.5°	3521.9	4048.2	4634.0	5238.0	5804.2	6141.3	6175.2	6062.1	5618.0	5196.5	4925.1	62.5°
65°	3588.3	4152.2	4737.3	5420.5	6104.3	6341.1	6299.6	6122.4	5658.7	5206.3	4952.2	65°
67.5°	3491.0	4055.0	4638.6	5341.3	6102.8	6328.3	6221.2	6007.1	5559.9	5072.9	4826.3	67.5°
70°	3132.8	3679.5	4155.3	4816.5	5673.0	5895.5	5734.9	5523.0	5149.0	4672.5	4560.2	70°
72.5°	2636.0	3041.6	3439.7	3928.3	4515.7	4710.2	4498.3	4603.9	4507.4	4045.9	3943.4	72.5°
75°	1978.5	2357.7	2513.1	2663.1	3068.8	3184.9	3103.4	3465.4	3564.1	3371.9	3110.2	75°
77.5°	1294.6	1692.7	1721.4	1724.4	1890.3	2112.7	2407.5	2783.7	2970.7	2884.0	2566.6	77.5°
80°	754.7	1192.8	1066.9	1026.2	1173.2	1421.3	1810.3	2281.6	2528.9	2547.0	2243.9	80°
82.5°	379.3	748.0	647.7	640.9	723.8	907.1	1191.3	1454.5	1776.4	1791.5	1831.5	82.5°
85°	294.8	514.2	526.3	570.8	628.8	705.0	726.1	772.8	952.3	1118.2	1161.1	85°
87.5°	153.1	378.5	446.4	519.5	512.7	420.0	354.4	382.3	444.9	469.0	609.2	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°
769.1	769.1	769.1	769.1	769.1	769.1	769.1
768.3	769.8	769.1	769.8	770.6	770.6	769.8
767.6	766.8	763.8	762.3	762.3	760.8	760.0
763.0	757.8	750.2	745.7	742.7	740.4	736.7
763.8	754.7	744.9	738.2	731.4	726.8	722.3
773.6	762.3	753.2	742.7	737.4	731.4	726.1
807.5	792.4	781.9	772.1	766.1	761.5	757.0
861.8	843.7	826.4	817.3	806.8	799.2	798.5
935.0	908.6	885.9	865.6	855.8	843.7	841.5
1017.9	979.4	955.3	932.7	919.1	904.8	905.5
1123.5	1085.0	1045.8	1022.4	1002.8	1005.1	1002.8
1250.1	1220.0	1174.7	1146.1	1140.0	1116.7	1099.3
1447.7	1402.4	1347.4	1296.1	1263.7	1225.2	1189.0
1641.4	1557.8	1484.6	1434.8	1393.4	1336.8	1280.3
1833.0	1736.4	1668.6	1626.4	1562.3	1483.1	1394.9
2060.7	1997.3	1949.1	1845.8	1754.5	1633.1	1499.7
2389.4	2309.5	2194.1	2062.9	1931.0	1759.1	1576.6
2716.6	2620.1	2458.8	2265.8	2076.5	1869.1	1636.9
3071.8	2885.5	2675.2	2441.4	2208.4	1951.3	1678.4
3351.5	3119.3	2856.9	2576.4	2313.3	2019.2	1714.6
3637.3	3356.8	3027.3	2711.4	2408.3	2074.2	1750.8
3862.0	3549.0	3201.5	2834.3	2496.5	2136.1	1800.5
4086.6	3740.6	3357.5	2957.2	2605.8	2222.0	1875.2
4273.6	3914.0	3508.3	3091.4	2732.5	2336.6	1997.3
4520.2	4157.5	3685.5	3250.5	2875.7	2492.7	2151.9
4754.7	4443.3	3932.1	3437.5	3050.7	2669.1	2327.6
4909.3	4766.0	4184.7	3625.2	3215.0	2834.3	2482.1
4912.3	4971.1	4450.8	3777.5	3368.8	3013.7	2608.8
4793.9	4999.7	4507.4	3791.1	3442.0	3093.6	2675.2
4384.5	4646.9	4168.8	3523.4	3306.3	3031.1	2602.0
3391.5	3581.5	3334.2	2986.6	2994.1	2833.5	2315.5
2347.9	2527.4	2319.3	2245.4	2410.5	2320.8	1728.9
1778.7	1547.2	1465.8	1505.0	1710.8	1701.0	1087.3
1584.1	1171.0	971.1	1019.4	1207.9	1103.1	605.5
1299.1	1167.9	976.4	882.9	920.6	753.2	413.9
748.0	854.3	695.9	656.0	570.8	339.3	168.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)