

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: P141563

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141563
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-8030
Description: EPIC CLASSICAL MEDIUM DECORATIVE 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: 5467 lumens
Efficiency: N/A
Efficacy: 69.8 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 - G2

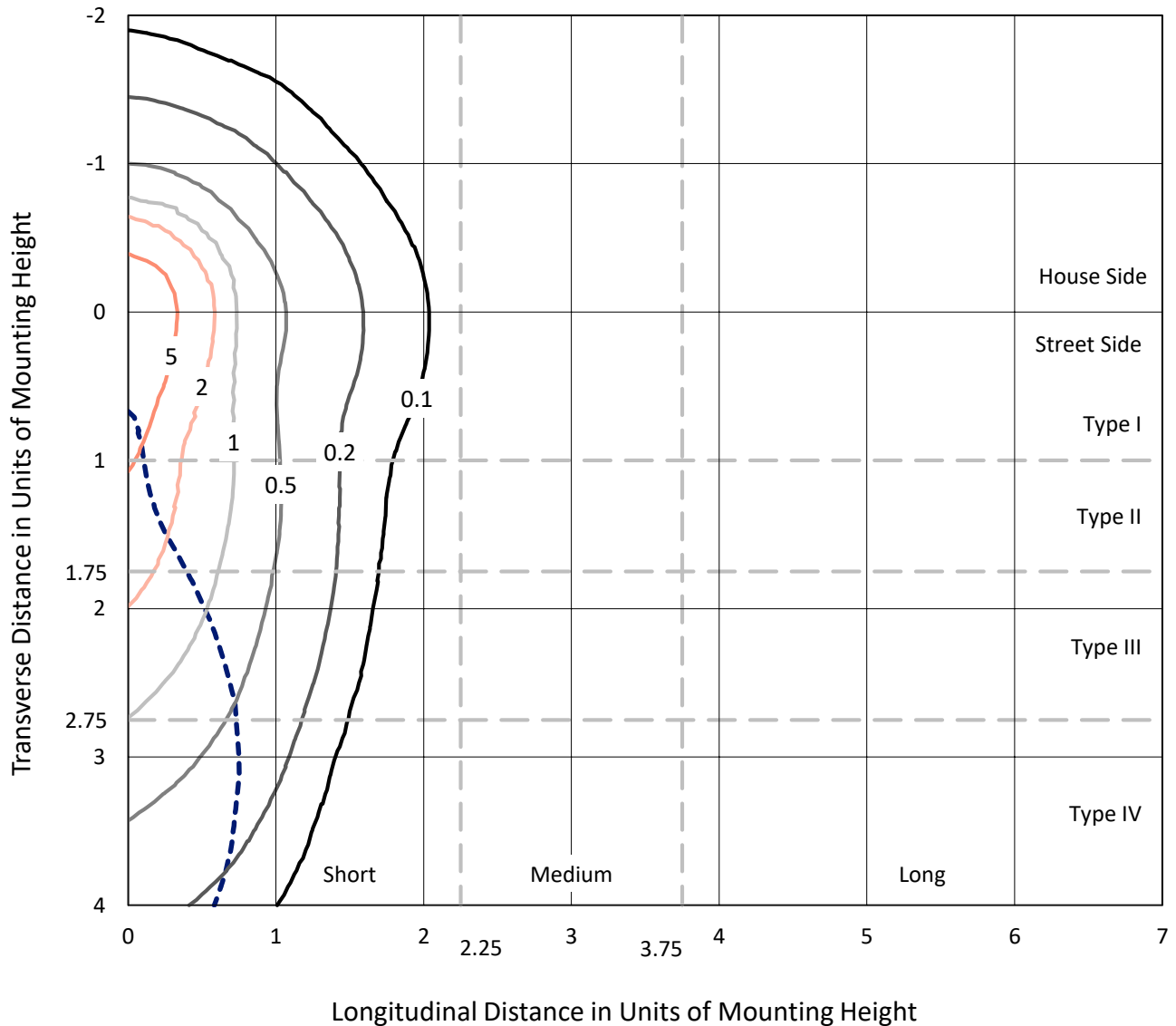
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

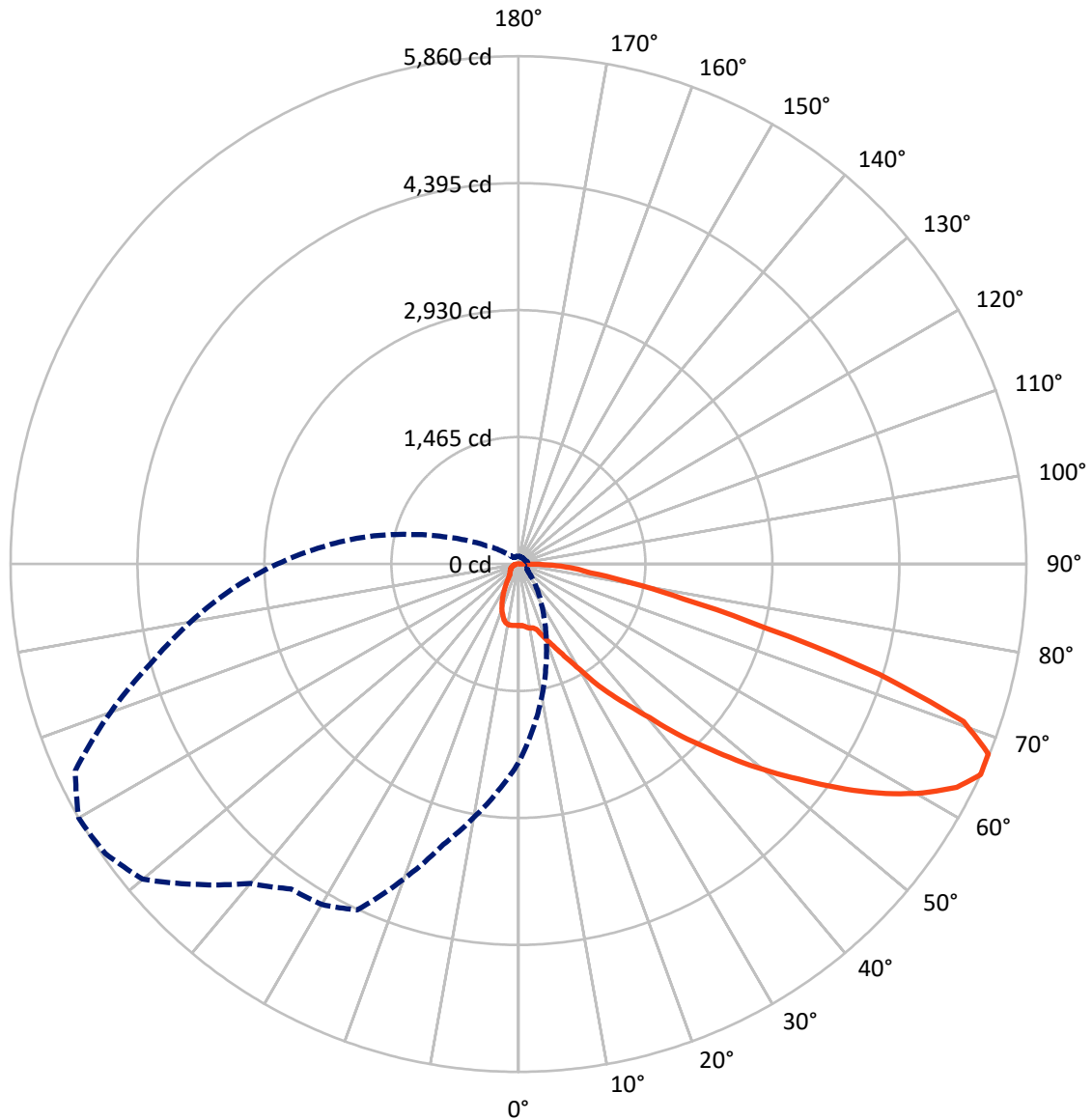
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	1014.0	0.0	1014.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	4453.0	0.0	4453.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	5467.0	0.0	5467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	1.3
10°-20°	206.5	3.8
20°-30°	343.1	6.3
30°-40°	501.5	9.2
40°-50°	762.9	14.0
50°-60°	1096.6	20.1
60°-70°	1348.3	24.7
70°-80°	902.0	16.5
80°-90°	237.3	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°	5467.0	100.0
0°-180°	5467.0	100.0

Coefficient of Utilization



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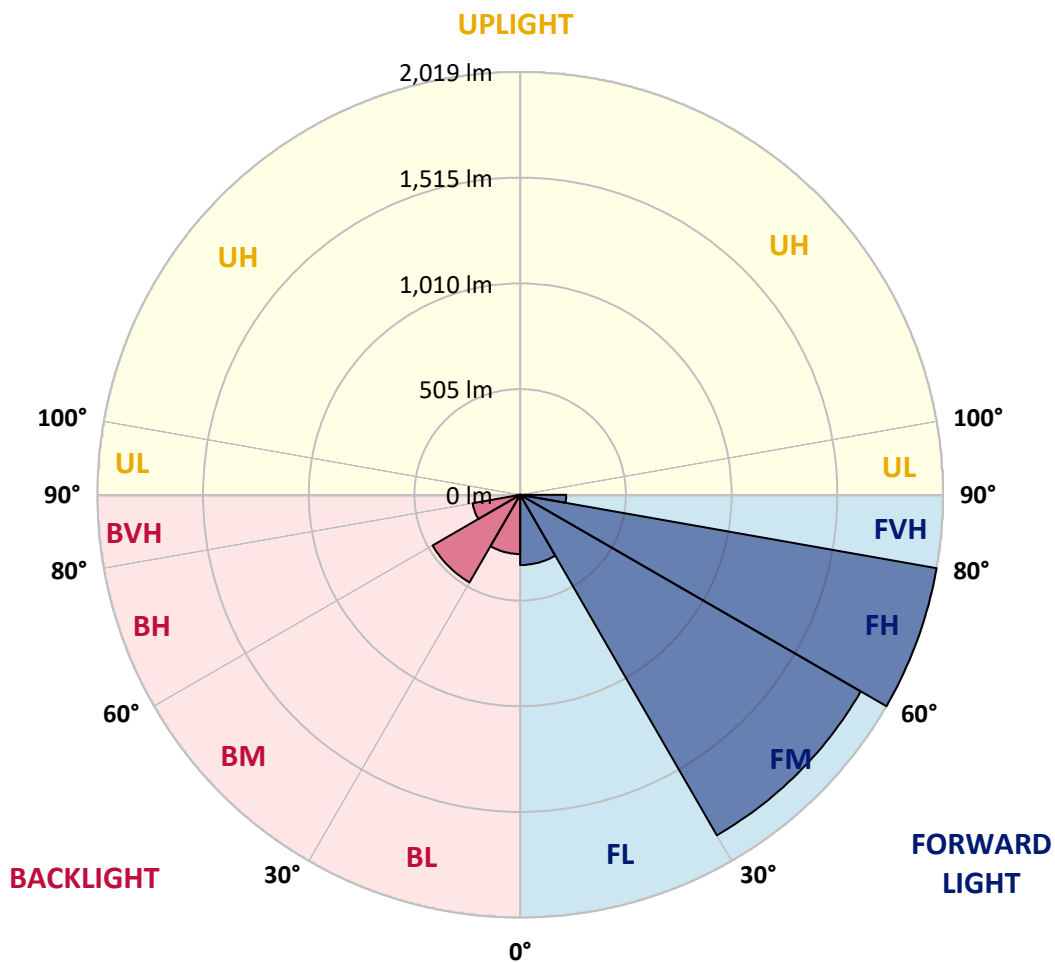
CATALOG NUMBER: ECM-F03-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.4	6.1			
FM	(30°-60°)	1878.1	34.4			
FH	(60°-80°)	2019.5	36.9			G2/5000
FVH	(80°-90°)	220.0	4.0			G2/225
BL	(0°-30°)	283.0	5.2	B1/500		
BM	(30°-60°)	483.0	8.8	B1/1000		
BH	(60°-80°)	230.8	4.2	B1/500		G1/500
BVH	(80°-90°)	17.3	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	711.4	713.5	713.5	712.1	711.4	712.1	712.8	712.1	712.8	714.2	713.5
5°	702.3	703.7	704.4	704.4	704.4	705.8	707.9	707.2	709.3	710.7	710.7
7.5°	680.7	683.5	683.5	684.2	685.6	687.7	691.2	692.6	696.0	700.9	702.3
10°	667.5	668.2	666.1	665.4	666.8	671.0	673.0	676.5	682.1	687.7	693.3
12.5°	671.0	671.7	668.2	668.9	668.9	671.0	677.2	680.0	682.1	685.6	691.2
15°	699.5	699.5	695.3	696.7	697.4	700.2	700.2	695.3	693.9	690.5	687.7
17.5°	737.8	732.3	731.6	730.9	733.7	730.9	724.6	713.5	700.2	686.3	675.1
20°	777.6	778.3	774.1	773.4	765.7	756.0	737.8	715.5	691.9	670.3	648.0
22.5°	836.8	838.2	830.5	815.2	798.5	772.7	739.9	705.8	671.7	641.7	615.9
25°	926.7	912.0	894.6	862.6	820.1	774.8	729.5	687.0	642.4	602.7	569.9
27.5°	1015.8	986.6	939.9	887.6	827.7	769.2	715.5	658.4	605.5	557.4	519.8
30°	1098.8	1044.4	977.5	903.0	826.3	751.1	682.8	618.0	555.3	503.7	459.1
32.5°	1183.1	1103.6	1011.0	906.5	805.4	715.5	636.8	562.3	500.3	437.5	389.5
35°	1289.0	1169.1	1031.2	893.2	769.2	659.8	575.5	504.4	437.5	374.1	324.0
37.5°	1385.8	1221.4	1041.6	870.9	721.8	602.0	509.3	436.9	374.1	320.5	277.3
40°	1456.9	1255.5	1040.2	842.4	673.7	542.8	451.5	386.0	329.6	287.1	253.6
42.5°	1512.6	1275.0	1033.3	815.2	631.9	499.6	413.9	353.9	309.4	275.2	249.4
45°	1550.9	1289.0	1029.1	793.6	604.1	478.7	401.3	351.2	313.5	282.9	253.6
47.5°	1584.4	1305.0	1027.7	783.8	597.8	484.9	418.0	372.8	331.6	291.9	252.9
50°	1617.8	1321.0	1040.2	799.9	621.5	519.8	457.1	399.2	342.8	289.1	241.1
52.5°	1663.8	1367.7	1086.9	845.8	673.0	568.5	494.0	420.8	344.9	282.2	229.9
55°	1732.8	1440.2	1153.8	906.5	728.8	621.5	523.9	429.2	342.8	274.5	219.5
57.5°	1845.7	1546.8	1245.1	990.8	801.2	662.6	540.7	432.7	337.9	266.2	211.1
60°	1988.5	1668.7	1360.0	1079.2	863.3	691.2	547.6	431.3	330.9	256.4	199.3
62.5°	2150.8	1802.5	1463.8	1160.1	907.8	704.4	544.8	420.1	314.9	236.2	182.5
65°	2293.7	1909.1	1550.9	1224.9	935.7	704.4	527.4	394.4	286.4	207.6	160.9
67.5°	2410.7	1998.9	1617.8	1262.5	938.5	680.0	485.6	347.7	241.1	172.1	135.9
70°	2472.0	2027.5	1638.7	1258.3	891.8	609.6	409.0	270.3	177.0	133.8	109.4
72.5°	2404.4	1959.9	1549.5	1137.1	744.1	455.0	286.4	183.9	126.8	103.8	90.6
75°	2139.7	1663.1	1289.7	879.3	533.0	283.6	177.7	128.9	100.3	86.4	79.4
77.5°	1597.6	1239.5	887.6	556.7	305.2	172.1	124.7	98.2	84.3	75.9	69.7
80°	1004.7	763.6	533.7	306.6	174.2	126.8	103.8	87.8	76.6	66.2	59.9
82.5°	559.5	406.9	271.7	174.9	121.2	102.4	89.9	80.8	68.3	57.8	51.6
85°	382.5	251.5	171.4	115.0	83.6	74.6	66.9	61.3	52.3	43.9	40.4
87.5°	155.4	144.9	105.2	46.0	34.1	30.7	27.2	33.4	27.9	21.6	20.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	714.9	713.5	714.2	713.5	712.8	712.1	711.4	712.1	710.7	711.4	711.4
5°	712.8	711.4	713.5	712.8	711.4	711.4	710.7	710.7	710.7	710.7	711.4
7.5°	706.5	706.5	708.6	708.6	707.2	707.2	705.8	705.1	705.1	705.8	707.2
10°	698.1	700.2	703.7	702.3	699.5	698.1	696.0	694.6	693.9	695.3	696.7
12.5°	691.9	693.3	691.2	689.1	684.9	680.0	679.3	675.8	673.7	677.2	677.2
15°	681.4	675.8	668.2	661.2	651.4	646.6	641.0	639.6	634.7	635.4	638.9
17.5°	659.1	644.5	632.6	625.7	617.3	613.8	607.6	604.1	600.6	597.1	599.2
20°	627.8	611.7	596.4	587.3	574.1	571.3	560.9	560.9	556.7	557.4	561.6
22.5°	588.0	563.7	544.2	533.0	519.1	513.5	508.6	505.1	503.0	507.2	502.3
25°	535.8	506.5	488.4	472.4	457.1	451.5	445.2	443.1	443.8	441.0	445.9
27.5°	482.1	445.9	426.4	408.3	397.1	387.4	382.5	381.1	378.3	386.0	381.8
30°	414.6	381.8	358.8	340.0	326.8	321.9	317.0	315.6	319.8	314.2	311.4
32.5°	346.3	310.7	291.2	275.2	265.5	255.7	254.3	251.5	246.6	252.9	251.5
35°	284.3	254.3	234.1	224.3	211.1	206.9	198.6	196.5	197.2	198.6	197.9
37.5°	246.6	225.7	207.6	194.4	184.6	179.1	176.3	173.5	173.5	172.1	171.4
40°	229.2	211.8	195.1	182.5	174.9	170.7	167.9	165.1	163.0	160.9	158.9
42.5°	226.4	205.5	186.7	174.2	167.2	165.8	165.1	163.0	160.2	156.8	154.0
45°	224.3	197.9	178.4	167.2	162.3	161.6	161.6	159.6	157.5	154.0	149.8
47.5°	217.4	188.1	169.3	160.9	158.9	159.6	158.9	156.8	155.4	151.9	147.0
50°	202.1	173.5	155.4	149.1	148.4	147.7	147.7	147.0	145.6	142.8	138.0
52.5°	188.8	160.2	145.6	141.4	140.0	140.0	138.7	138.0	135.2	133.1	129.6
55°	180.5	153.3	140.7	138.0	138.0	137.3	135.9	133.8	131.7	128.9	124.7
57.5°	172.8	147.7	137.3	135.2	135.9	135.2	133.8	132.4	129.6	126.1	121.2
60°	161.6	139.3	130.3	129.6	131.0	132.4	131.7	131.0	128.9	124.0	117.1
62.5°	145.6	125.4	118.4	119.8	121.2	122.6	121.9	121.2	119.1	115.0	108.7
65°	129.6	115.0	110.8	112.2	113.6	113.6	113.6	112.2	110.8	105.9	101.0
67.5°	114.3	105.2	103.8	105.2	105.9	105.9	106.6	105.2	103.1	99.6	94.8
70°	97.5	93.4	93.4	94.8	95.5	94.8	95.5	93.4	91.3	89.2	84.3
72.5°	87.1	87.1	86.4	86.4	86.4	85.0	84.3	82.9	80.8	78.7	74.6
75°	77.3	77.3	76.6	78.0	75.2	73.2	72.5	71.1	69.0	66.2	63.4
77.5°	66.2	64.8	64.8	66.9	66.2	63.4	61.3	60.6	57.8	55.0	53.6
80°	57.1	55.7	55.7	55.0	53.6	53.0	50.2	47.4	46.7	46.7	44.6
82.5°	50.2	49.5	47.4	46.0	43.9	41.8	39.7	38.3	36.2	35.5	36.2
85°	39.7	40.4	38.3	36.9	34.8	32.0	30.0	28.6	27.2	27.2	30.0
87.5°	23.0	21.6	21.6	20.9	20.2	18.1	18.1	16.0	15.3	19.5	20.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	712.1	712.1	710.0	711.4	710.7	711.4	714.2	711.4	710.7	712.8	714.9
5°	712.1	713.5	711.4	712.8	712.8	714.9	718.3	716.2	717.6	720.4	723.2
7.5°	709.3	711.4	711.4	714.2	716.2	719.7	724.6	723.2	726.0	730.2	733.7
10°	701.6	705.1	708.6	712.8	717.6	723.2	730.2	730.2	733.0	738.5	742.0
12.5°	682.8	691.9	696.0	705.8	713.5	721.8	729.5	734.4	736.4	741.3	745.5
15°	645.2	656.3	664.7	676.5	689.1	700.9	714.2	719.0	723.2	725.3	727.4
17.5°	602.0	609.6	615.2	630.5	644.5	655.6	668.2	674.4	679.3	679.3	680.7
20°	566.4	569.9	571.3	571.3	579.7	590.1	606.2	604.1	608.3	604.1	608.3
22.5°	511.4	505.8	508.6	508.6	514.2	512.1	518.4	528.8	527.4	530.2	542.1
25°	444.5	445.2	440.3	440.3	441.0	442.4	445.2	448.0	457.8	468.2	475.9
27.5°	381.1	379.7	376.2	373.5	370.7	375.5	379.0	378.3	392.3	400.6	414.6
30°	311.4	311.4	312.1	310.7	313.5	310.0	315.6	317.0	328.9	337.9	350.5
32.5°	253.6	255.0	255.0	254.3	259.2	255.7	258.5	262.0	269.6	277.3	283.6
35°	201.4	203.4	209.0	211.1	213.2	210.4	213.9	218.1	218.8	225.7	230.6
37.5°	170.7	174.2	174.9	176.3	176.3	178.4	179.1	181.8	181.8	183.9	185.3
40°	157.5	156.1	155.4	154.7	153.3	154.0	154.7	156.8	157.5	158.9	158.9
42.5°	151.2	149.1	145.6	143.5	140.7	140.7	140.7	140.7	142.8	144.2	144.2
45°	145.6	142.1	138.7	135.2	133.1	131.7	132.4	133.1	134.5	135.2	135.9
47.5°	142.1	137.3	131.7	128.2	126.1	124.7	125.4	126.1	126.1	126.8	127.5
50°	132.4	127.5	122.6	119.1	117.1	116.4	116.4	115.7	116.4	117.1	117.1
52.5°	124.7	119.8	115.7	112.2	110.1	110.1	109.4	108.0	108.7	108.0	108.7
55°	120.5	114.3	109.4	105.9	103.8	103.8	102.4	103.1	103.1	101.7	102.4
57.5°	115.7	109.4	105.2	101.0	98.2	98.2	97.5	98.2	98.9	96.8	96.8
60°	110.8	105.2	100.3	96.8	93.4	94.1	93.4	94.8	94.8	92.7	92.7
62.5°	101.7	96.8	94.1	92.0	89.2	89.9	89.9	92.0	89.9	88.5	87.8
65°	94.8	91.3	87.1	87.1	84.3	85.7	85.7	85.7	83.6	82.9	83.6
67.5°	89.9	85.7	82.9	80.1	78.0	78.7	77.3	77.3	76.6	75.9	77.3
70°	80.8	77.3	75.9	73.2	71.8	69.7	69.0	69.0	69.0	68.3	69.0
72.5°	71.8	69.0	67.6	64.8	63.4	62.0	61.3	60.6	59.9	60.6	60.6
75°	60.6	59.2	57.8	56.4	55.0	54.3	53.6	53.6	53.0	52.3	53.0
77.5°	52.3	50.2	49.5	48.1	48.8	46.7	46.0	46.7	46.7	46.7	47.4
80°	44.6	43.2	43.2	41.8	41.1	39.7	40.4	40.4	40.4	40.4	41.1
82.5°	39.0	37.6	37.6	36.9	34.8	33.4	34.1	35.5	35.5	34.8	36.2
85°	32.0	30.7	30.7	30.0	27.2	26.5	25.8	27.2	27.9	26.5	27.9
87.5°	20.9	19.5	18.8	18.8	16.0	11.1	14.6	16.0	16.0	13.2	15.3
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	714.2	715.5	715.5	716.9	719.7	716.9	715.5	717.6	717.6	716.9	716.9
5°	723.2	726.0	726.7	730.9	733.0	731.6	733.0	734.4	735.1	733.7	735.1
7.5°	735.1	738.5	742.0	746.9	751.1	750.4	752.5	755.3	756.0	756.0	757.4
10°	744.8	749.7	753.2	759.4	764.3	765.7	767.8	771.3	774.8	774.8	777.6
12.5°	746.9	752.5	756.0	761.5	769.9	772.7	777.6	785.9	789.4	792.2	794.3
15°	728.8	733.7	738.5	746.2	756.0	764.3	775.5	787.3	797.8	805.4	808.2
17.5°	681.4	682.1	687.0	698.1	718.3	727.4	741.3	765.7	780.3	794.3	807.5
20°	611.7	625.0	629.8	644.5	664.0	677.9	693.9	716.2	738.5	763.6	785.9
22.5°	550.4	567.8	581.8	599.2	615.2	631.2	651.4	671.0	695.3	719.7	746.2
25°	487.7	503.7	523.2	542.1	560.9	581.1	606.2	627.1	651.4	680.0	713.5
27.5°	427.1	443.8	465.4	487.7	503.0	530.2	551.1	581.8	609.6	641.0	678.6
30°	363.7	379.7	390.2	414.6	436.2	463.3	495.4	525.3	558.8	593.6	637.5
32.5°	294.7	304.5	319.1	335.8	360.9	389.5	422.9	455.0	501.0	544.2	586.0
35°	236.2	241.1	240.4	259.2	270.3	304.5	346.3	376.9	422.9	475.9	530.9
37.5°	186.0	185.3	189.5	192.3	206.2	228.5	261.3	301.0	353.9	411.1	466.1
40°	158.9	159.6	160.2	160.2	163.0	177.7	206.9	248.0	298.9	349.8	410.4
42.5°	146.3	147.7	148.4	149.8	151.2	156.1	177.0	215.3	258.5	312.8	367.2
45°	137.3	139.3	141.4	141.4	142.8	144.2	156.1	185.3	228.5	280.1	337.2
47.5°	129.6	131.7	133.1	133.8	135.2	136.6	142.8	163.0	204.8	251.5	310.7
50°	118.4	120.5	121.9	124.0	124.0	124.0	128.2	142.8	174.9	220.9	278.7
52.5°	109.4	110.8	112.9	114.3	115.0	115.7	117.7	126.1	150.5	193.7	248.0
55°	104.5	105.9	108.0	109.4	110.8	111.5	112.9	116.4	133.8	170.7	221.6
57.5°	98.2	100.3	103.1	104.5	105.9	106.6	107.3	108.7	120.5	148.4	190.2
60°	94.1	97.5	101.0	103.1	103.8	104.5	105.2	103.8	108.7	126.1	158.9
62.5°	89.2	92.7	95.5	98.2	98.9	99.6	100.3	98.2	97.5	105.9	124.0
65°	85.0	87.1	89.2	91.3	91.3	92.0	91.3	88.5	86.4	86.4	94.8
67.5°	79.4	80.8	82.9	83.6	83.6	83.6	82.9	82.2	78.7	77.3	78.7
70°	71.1	73.2	75.2	76.6	76.6	75.9	75.2	73.2	71.8	70.4	71.8
72.5°	63.4	66.2	66.9	67.6	66.9	66.9	66.9	65.5	66.2	66.2	66.9
75°	55.7	57.1	57.1	58.5	58.5	58.5	58.5	58.5	59.9	59.2	59.9
77.5°	47.4	48.1	49.5	49.5	49.5	50.2	51.6	51.6	53.0	53.6	53.6
80°	41.1	39.7	39.7	39.0	39.7	41.1	42.5	45.3	45.3	46.0	46.7
82.5°	32.7	30.0	28.6	30.0	30.0	30.7	33.4	36.2	36.2	38.3	39.0
85°	25.1	21.6	18.8	20.2	20.2	21.6	24.4	25.8	27.9	28.6	27.9
87.5°	14.6	12.5	8.4	7.0	8.4	10.5	11.1	12.5	10.5	11.8	12.5
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	718.3	718.3	714.9	714.9	715.5	716.9	713.5	712.8	713.5	712.8	712.1
5°	737.1	735.1	734.4	733.0	732.3	733.7	730.2	730.2	729.5	728.1	726.0
7.5°	758.0	756.7	755.3	753.9	752.5	753.2	749.7	749.0	748.3	747.6	745.5
10°	777.6	775.5	774.1	770.6	767.8	765.0	758.0	756.0	753.9	752.5	751.8
12.5°	793.6	791.5	786.6	780.3	776.2	769.2	763.6	758.7	756.7	754.6	755.3
15°	808.9	804.7	798.5	790.8	786.6	779.6	775.5	773.4	772.0	770.6	772.0
17.5°	813.8	815.2	811.7	809.6	806.8	804.0	804.7	806.8	811.0	811.0	811.0
20°	804.7	820.1	829.8	837.5	843.7	847.9	848.6	850.7	855.6	857.7	868.1
22.5°	783.1	822.8	855.6	882.1	898.8	904.4	910.6	917.6	918.3	920.4	930.1
25°	762.9	820.8	869.5	911.3	950.3	977.5	992.8	1006.8	1010.3	1013.1	1013.1
27.5°	727.4	791.5	854.2	909.9	963.6	1008.9	1044.4	1080.6	1105.7	1114.8	1128.0
30°	689.8	757.4	822.1	892.5	960.8	1024.2	1088.3	1146.8	1187.9	1218.6	1243.0
32.5°	642.4	715.5	789.4	866.0	947.6	1027.0	1112.7	1197.7	1275.7	1337.0	1374.7
35°	592.9	669.6	746.2	830.5	922.5	1018.6	1128.0	1240.9	1345.4	1445.0	1530.7
37.5°	538.6	611.0	694.6	790.8	889.7	1004.7	1132.2	1272.2	1417.2	1560.0	1670.8
40°	476.6	546.9	627.8	728.8	848.6	978.2	1130.1	1296.6	1478.5	1656.1	1834.5
42.5°	434.1	498.9	576.2	677.9	799.9	948.3	1121.7	1318.9	1534.2	1754.4	1978.7
45°	402.0	465.4	541.4	638.9	762.9	919.0	1119.0	1344.0	1592.7	1845.0	2106.9
47.5°	374.1	439.6	512.8	608.9	728.8	892.5	1112.7	1364.9	1641.5	1914.6	2218.4
50°	347.0	413.9	489.1	586.0	703.7	864.0	1098.8	1383.7	1687.5	1987.1	2310.4
52.5°	317.0	383.2	464.0	563.0	687.7	845.8	1084.1	1399.0	1732.1	2064.4	2405.8
55°	285.0	351.9	431.3	535.8	666.1	831.9	1069.5	1408.8	1778.8	2134.1	2491.5
57.5°	250.1	317.0	394.4	501.0	639.6	813.1	1053.5	1408.1	1812.9	2199.6	2584.2
60°	207.6	268.2	344.9	452.2	593.6	786.6	1040.2	1402.5	1837.3	2257.4	2687.3
62.5°	158.2	209.7	280.1	380.4	527.4	735.8	1005.4	1378.8	1840.1	2299.2	2773.0
65°	112.9	140.7	196.5	296.8	418.7	622.2	921.1	1316.1	1794.1	2269.3	2780.7
67.5°	86.4	101.7	128.9	188.8	296.8	473.8	776.2	1175.4	1651.3	2109.7	2652.5
70°	74.6	82.2	96.8	123.3	186.0	307.3	549.7	928.7	1360.0	1815.0	2278.3
72.5°	69.0	73.9	82.9	96.1	118.4	181.2	338.6	624.3	999.1	1383.7	1789.2
75°	63.4	68.3	75.2	83.6	94.8	121.2	184.6	367.2	616.6	914.1	1202.6
77.5°	56.4	60.6	69.7	77.3	84.3	94.8	117.7	204.1	339.3	546.9	719.7
80°	47.4	51.6	58.5	70.4	77.3	84.3	92.0	125.4	187.4	282.9	369.3
82.5°	39.0	41.1	46.7	57.1	63.4	66.9	69.0	81.5	106.6	139.3	203.4
85°	27.2	27.2	31.4	36.9	41.8	39.0	39.7	41.8	55.0	77.3	156.1
87.5°	10.5	7.7	9.8	11.8	11.8	11.1	13.2	12.5	17.4	32.7	44.6
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	0°
2.5°	712.1	712.1	711.4	710.7	710.0	710.0	708.6	710.7	710.0	710.7	711.4	2.5°
5°	726.7	725.3	723.9	722.5	722.5	721.1	719.0	718.3	715.5	714.9	712.8	5°
7.5°	747.6	747.6	747.6	746.2	743.4	739.9	735.8	733.0	725.3	719.7	713.5	7.5°
10°	753.2	754.6	755.3	756.0	753.2	752.5	747.6	742.0	733.0	724.6	716.2	10°
12.5°	755.3	758.0	758.7	759.4	757.4	756.0	751.1	747.6	739.9	731.6	727.4	12.5°
15°	774.8	779.6	785.2	784.5	790.8	783.8	779.6	780.3	772.0	762.9	760.1	15°
17.5°	824.9	827.0	838.9	839.6	849.3	852.1	845.1	837.5	832.6	827.0	815.2	17.5°
20°	879.3	894.6	898.8	919.7	929.4	934.3	935.0	935.0	926.0	901.6	891.8	20°
22.5°	938.5	961.5	986.6	999.8	1020.0	1022.8	1033.3	1027.0	1020.0	1001.2	978.9	22.5°
25°	1034.0	1047.2	1069.5	1102.9	1112.7	1132.9	1128.7	1137.8	1122.4	1089.7	1076.5	25°
27.5°	1140.6	1163.5	1194.9	1226.3	1240.2	1262.5	1248.6	1262.5	1237.4	1228.3	1196.3	27.5°
30°	1256.9	1288.3	1344.0	1383.0	1411.6	1426.9	1417.9	1410.2	1403.2	1386.5	1384.4	30°
32.5°	1399.7	1437.4	1490.3	1541.2	1591.3	1643.6	1656.1	1667.3	1693.1	1642.2	1592.7	32.5°
35°	1576.0	1604.6	1663.8	1722.3	1791.3	1856.8	1964.8	1992.0	1957.1	1896.5	1817.1	35°
37.5°	1748.1	1812.9	1872.1	1941.8	1993.4	2068.6	2116.7	2170.3	2141.1	2084.6	1993.4	37.5°
40°	1959.2	2047.0	2127.8	2213.5	2272.1	2330.6	2421.2	2479.7	2474.1	2403.7	2280.4	40°
42.5°	2152.9	2292.3	2426.0	2490.1	2568.2	2674.1	2741.0	2834.3	2840.6	2759.1	2602.3	42.5°
45°	2355.7	2518.0	2681.0	2807.1	2873.3	3004.3	3157.6	3259.3	3290.7	3135.3	2975.1	45°
47.5°	2514.5	2767.4	2986.2	3120.7	3244.0	3379.2	3576.3	3723.4	3710.8	3501.1	3289.3	47.5°
50°	2653.9	2975.8	3240.5	3462.1	3609.8	3765.9	4025.7	4201.3	4140.0	3873.2	3608.4	50°
52.5°	2780.0	3157.6	3485.1	3759.6	3931.7	4154.6	4482.8	4636.1	4461.9	4204.1	3876.6	52.5°
55°	2895.6	3322.0	3702.5	4032.7	4298.2	4585.9	4893.9	4999.1	4751.0	4432.6	4131.6	55°
57.5°	3002.2	3474.6	3902.4	4298.9	4654.9	4998.4	5266.6	5273.6	4962.2	4608.9	4321.9	57.5°
60°	3130.4	3614.7	4111.4	4574.8	5008.8	5365.6	5522.3	5472.9	5098.0	4740.6	4452.8	60°
62.5°	3254.5	3740.8	4282.1	4840.2	5363.5	5674.9	5706.3	5601.8	5191.4	4801.9	4551.1	62.5°
65°	3315.8	3836.9	4377.6	5008.8	5640.8	5859.5	5821.2	5657.5	5229.0	4811.0	4576.2	65°
67.5°	3225.9	3747.0	4286.3	4935.7	5639.4	5847.7	5748.8	5550.9	5137.7	4687.6	4459.8	67.5°
70°	2894.9	3400.1	3839.7	4450.7	5242.2	5447.8	5299.4	5103.6	4758.0	4317.7	4213.9	70°
72.5°	2435.8	2810.6	3178.5	3630.0	4172.7	4352.5	4156.7	4254.3	4165.1	3738.7	3643.9	72.5°
75°	1828.2	2178.7	2322.2	2460.9	2835.7	2943.0	2867.8	3202.2	3293.5	3115.8	2874.0	75°
77.5°	1196.3	1564.2	1590.6	1593.4	1746.7	1952.3	2224.7	2572.3	2745.1	2665.0	2371.7	77.5°
80°	697.4	1102.2	985.9	948.3	1084.1	1313.3	1672.9	2108.3	2336.9	2353.6	2073.5	80°
82.5°	350.5	691.2	598.5	592.2	668.9	838.2	1100.8	1344.0	1641.5	1655.4	1692.4	82.5°
85°	272.4	475.2	486.3	527.4	581.1	651.4	671.0	714.2	880.0	1033.3	1073.0	85°
87.5°	141.4	349.8	412.5	480.1	473.8	388.1	327.5	353.2	411.1	433.4	563.0	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°
710.7	710.7	710.7	710.7	710.7	710.7	710.7
710.0	711.4	710.7	711.4	712.1	712.1	711.4
709.3	708.6	705.8	704.4	704.4	703.0	702.3
705.1	700.2	693.3	689.1	686.3	684.2	680.7
705.8	697.4	688.4	682.1	675.8	671.7	667.5
714.9	704.4	696.0	686.3	681.4	675.8	671.0
746.2	732.3	722.5	713.5	707.9	703.7	699.5
796.4	779.6	763.6	755.3	745.5	738.5	737.8
864.0	839.6	818.7	799.9	790.8	779.6	777.6
940.6	905.1	882.8	861.9	849.3	836.1	836.8
1038.1	1002.6	966.4	944.8	926.7	928.7	926.7
1155.2	1127.3	1085.5	1059.0	1053.5	1031.9	1015.8
1337.7	1295.9	1245.1	1197.7	1167.7	1132.2	1098.8
1516.8	1439.5	1371.9	1325.9	1287.6	1235.3	1183.1
1693.8	1604.6	1541.9	1502.9	1443.6	1370.5	1289.0
1904.2	1845.7	1801.1	1705.6	1621.3	1509.1	1385.8
2208.0	2134.1	2027.5	1906.3	1784.3	1625.5	1456.9
2510.3	2421.2	2272.1	2093.7	1918.8	1727.2	1512.6
2838.5	2666.4	2472.0	2256.0	2040.7	1803.2	1550.9
3097.0	2882.4	2639.9	2380.7	2137.6	1865.9	1584.4
3361.1	3101.9	2797.4	2505.5	2225.4	1916.7	1617.8
3568.7	3279.5	2958.3	2619.0	2306.9	1973.9	1663.8
3776.3	3456.5	3102.6	2732.6	2407.9	2053.3	1732.8
3949.1	3616.8	3241.9	2856.6	2525.0	2159.2	1845.7
4176.9	3841.8	3405.6	3003.6	2657.3	2303.4	1988.5
4393.6	4105.9	3633.5	3176.4	2819.0	2466.4	2150.8
4536.4	4404.1	3866.9	3349.9	2970.9	2619.0	2293.7
4539.2	4593.6	4112.8	3490.6	3113.0	2784.9	2410.7
4429.8	4620.1	4165.1	3503.2	3180.6	2858.7	2472.0
4051.5	4294.0	3852.3	3255.8	3055.2	2800.9	2404.4
3133.9	3309.5	3081.0	2759.8	2766.7	2618.3	2139.7
2169.6	2335.5	2143.2	2074.9	2227.5	2144.6	1597.6
1643.6	1429.7	1354.5	1390.7	1580.9	1571.8	1004.7
1463.8	1082.0	897.4	942.0	1116.2	1019.3	559.5
1200.5	1079.2	902.3	815.9	850.7	696.0	382.5
691.2	789.4	643.1	606.2	527.4	313.5	155.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)