

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: P141550

Luminaire Tested: **ECM-E02-LED-E1-SLR**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141550
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-E02-LED-E1-SLR
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5231.1 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

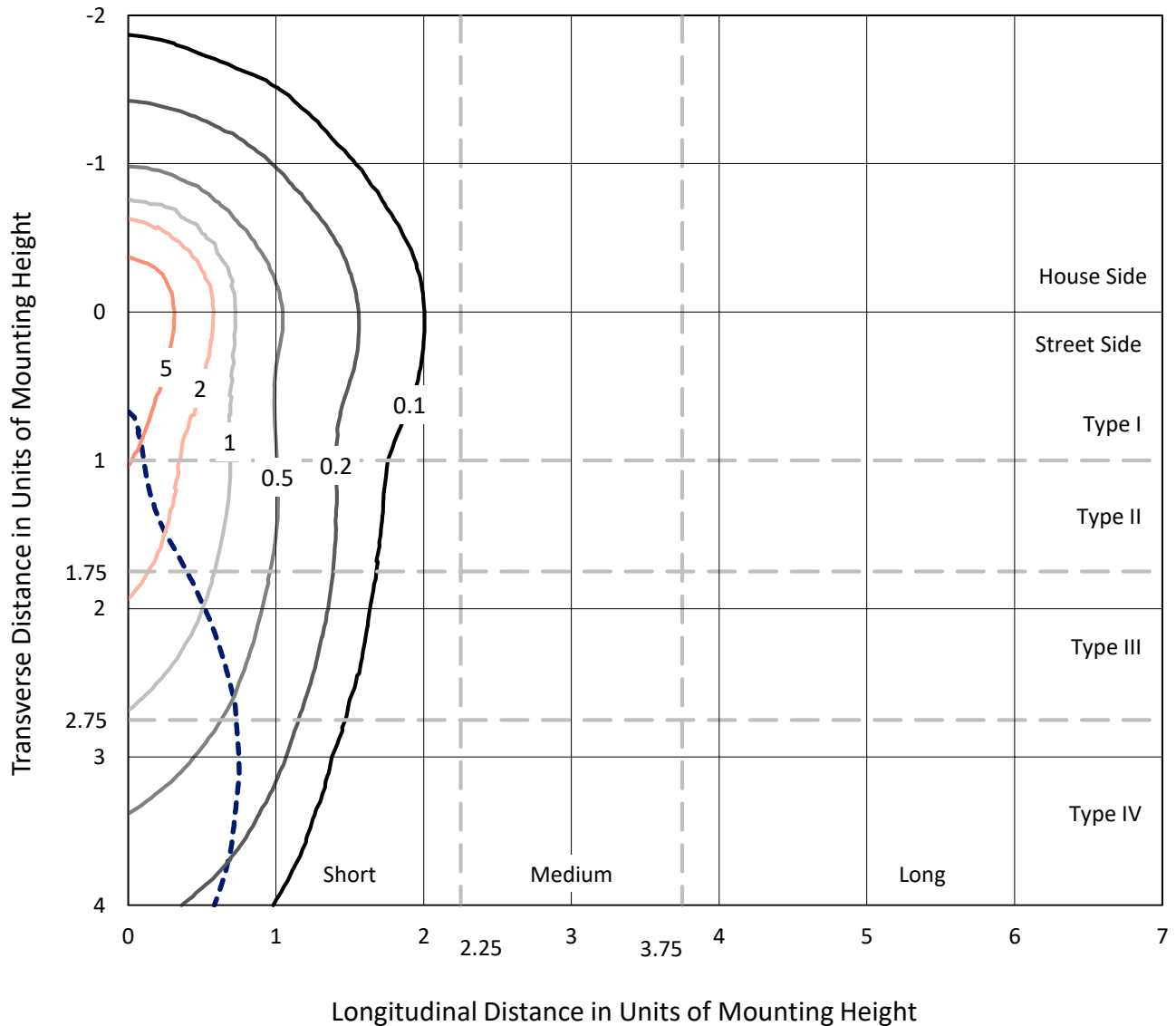
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

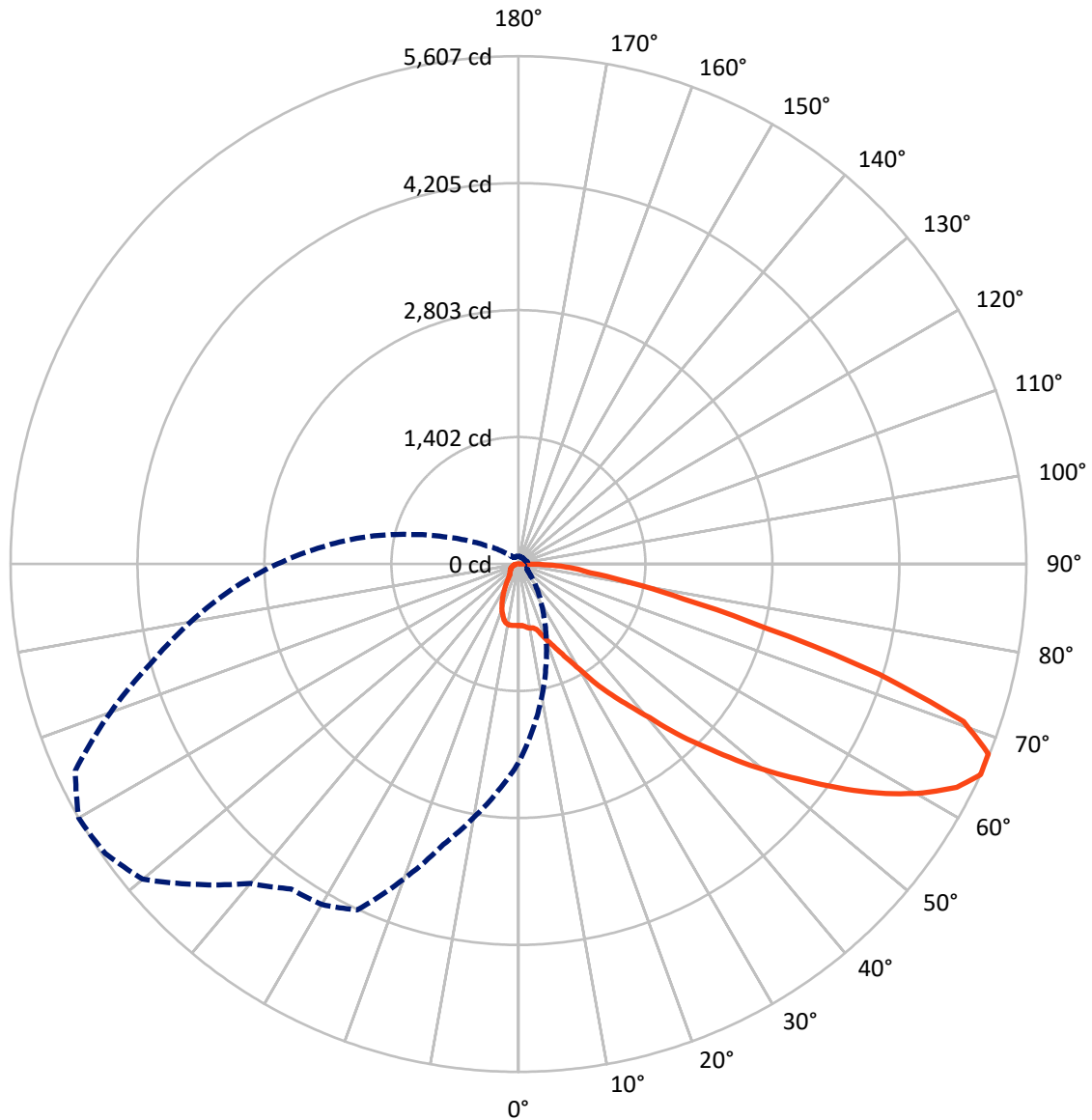
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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	970.2	0.0	970.2
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	4260.8	0.0	4260.8
	% Fixture	81.5	0.0	81.5
Total	Lumens	5231.1	0.0	5231.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	1.3
10°-20°	197.6	3.8
20°-30°	328.3	6.3
30°-40°	479.9	9.2
40°-50°	730.0	14.0
50°-60°	1049.3	20.1
60°-70°	1290.1	24.7
70°-80°	863.0	16.5
80°-90°	227.1	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°	5231.1	100.0
0°-180°	5231.1	100.0

Coefficient of Utilization



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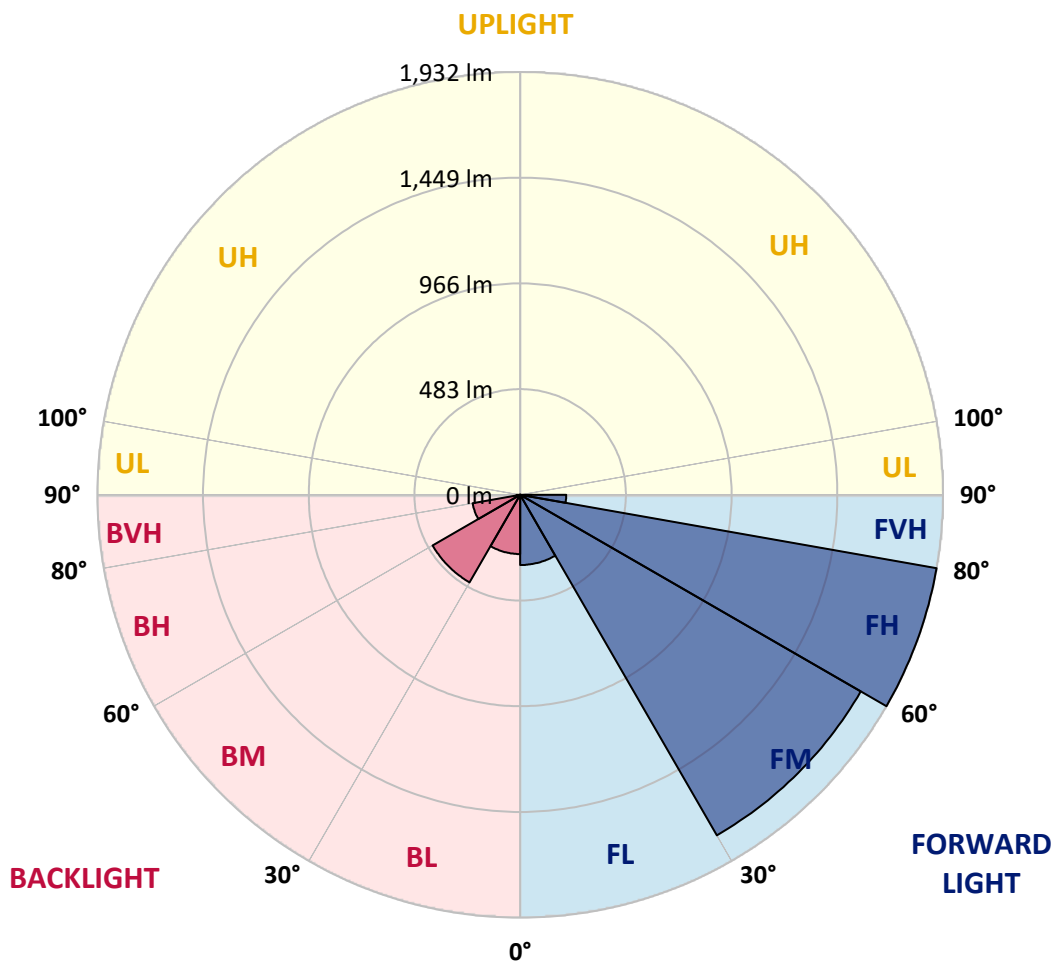
CATALOG NUMBER: ECM-E02-LED-E1-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.9	6.1			
FM	(30°-60°)	1797.1	34.4			
FH	(60°-80°)	1932.3	36.9			G2/5000
FVH	(80°-90°)	210.5	4.0			G2/225
BL	(0°-30°)	270.8	5.2	B1/500		
BM	(30°-60°)	462.1	8.8	B1/1000		
BH	(60°-80°)	220.8	4.2	B1/500		G1/500
BVH	(80°-90°)	16.5	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°	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0
2.5°	680.7	682.7	682.7	681.3	680.7	681.3	682.0	681.3	682.0	683.3	682.7
5°	672.0	673.3	674.0	674.0	674.0	675.3	677.3	676.7	678.7	680.0	680.0
7.5°	651.3	654.0	654.0	654.7	656.0	658.0	661.3	662.7	666.0	670.7	672.0
10°	638.7	639.3	637.3	636.7	638.0	642.0	644.0	647.3	652.7	658.0	663.3
12.5°	642.0	642.7	639.3	640.0	640.0	642.0	648.0	650.7	652.7	656.0	661.3
15°	669.3	669.3	665.3	666.7	667.3	670.0	670.0	665.3	664.0	660.7	658.0
17.5°	706.0	700.7	700.0	699.3	702.0	699.3	693.3	682.7	670.0	656.7	646.0
20°	744.0	744.7	740.7	740.0	732.7	723.3	706.0	684.7	662.0	641.3	620.0
22.5°	800.7	802.0	794.7	780.0	764.0	739.3	708.0	675.3	642.7	614.0	589.3
25°	886.7	872.7	856.0	825.3	784.7	741.3	698.0	657.3	614.7	576.7	545.3
27.5°	972.0	944.0	899.3	849.3	792.0	736.0	684.7	630.0	579.3	533.3	497.3
30°	1051.3	999.3	935.3	864.0	790.7	718.7	653.3	591.3	531.3	482.0	439.3
32.5°	1132.0	1056.0	967.3	867.3	770.7	684.7	609.3	538.0	478.7	418.7	372.7
35°	1233.3	1118.7	986.7	854.7	736.0	631.3	550.7	482.7	418.7	358.0	310.0
37.5°	1326.0	1168.7	996.7	833.3	690.7	576.0	487.3	418.0	358.0	306.7	265.3
40°	1394.0	1201.3	995.3	806.0	644.7	519.3	432.0	369.3	315.3	274.7	242.7
42.5°	1447.3	1220.0	988.7	780.0	604.7	478.0	396.0	338.7	296.0	263.3	238.7
45°	1484.0	1233.3	984.7	759.3	578.0	458.0	384.0	336.0	300.0	270.7	242.7
47.5°	1516.0	1248.7	983.3	750.0	572.0	464.0	400.0	356.7	317.3	279.3	242.0
50°	1548.0	1264.0	995.3	765.3	594.7	497.3	437.3	382.0	328.0	276.7	230.7
52.5°	1592.0	1308.7	1040.0	809.3	644.0	544.0	472.7	402.7	330.0	270.0	220.0
55°	1658.0	1378.0	1104.0	867.3	697.3	594.7	501.3	410.7	328.0	262.7	210.0
57.5°	1766.0	1480.0	1191.3	948.0	766.7	634.0	517.3	414.0	323.3	254.7	202.0
60°	1902.7	1596.7	1301.3	1032.7	826.0	661.3	524.0	412.7	316.7	245.3	190.7
62.5°	2058.0	1724.7	1400.7	1110.0	868.7	674.0	521.3	402.0	301.3	226.0	174.7
65°	2194.7	1826.7	1484.0	1172.0	895.3	674.0	504.7	377.3	274.0	198.7	154.0
67.5°	2306.7	1912.7	1548.0	1208.0	898.0	650.7	464.7	332.7	230.7	164.7	130.0
70°	2365.3	1940.0	1568.0	1204.0	853.3	583.3	391.3	258.7	169.3	128.0	104.7
72.5°	2300.7	1875.3	1482.7	1088.0	712.0	435.3	274.0	176.0	121.3	99.3	86.7
75°	2047.3	1591.3	1234.0	841.3	510.0	271.3	170.0	123.3	96.0	82.7	76.0
77.5°	1528.7	1186.0	849.3	532.7	292.0	164.7	119.3	94.0	80.7	72.7	66.7
80°	961.3	730.7	510.7	293.3	166.7	121.3	99.3	84.0	73.3	63.3	57.3
82.5°	535.3	389.3	260.0	167.3	116.0	98.0	86.0	77.3	65.3	55.3	49.3
85°	366.0	240.7	164.0	110.0	80.0	71.3	64.0	58.7	50.0	42.0	38.7
87.5°	148.7	138.7	100.7	44.0	32.7	29.3	26.0	32.0	26.7	20.7	19.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0
2.5°	684.0	682.7	683.3	682.7	682.0	681.3	680.7	681.3	680.0	680.7	680.7
5°	682.0	680.7	682.7	682.0	680.7	680.7	680.0	680.0	680.0	680.0	680.7
7.5°	676.0	676.0	678.0	678.0	676.7	676.7	675.3	674.7	674.7	675.3	676.7
10°	668.0	670.0	673.3	672.0	669.3	668.0	666.0	664.7	664.0	665.3	666.7
12.5°	662.0	663.3	661.3	659.3	655.3	650.7	650.0	646.7	644.7	648.0	648.0
15°	652.0	646.7	639.3	632.7	623.3	618.7	613.3	612.0	607.3	608.0	611.3
17.5°	630.7	616.7	605.3	598.7	590.7	587.3	581.3	578.0	574.7	571.3	573.3
20°	600.7	585.3	570.7	562.0	549.3	546.7	536.7	536.7	532.7	533.3	537.3
22.5°	562.7	539.3	520.7	510.0	496.7	491.3	486.7	483.3	481.3	485.3	480.7
25°	512.7	484.7	467.3	452.0	437.3	432.0	426.0	424.0	424.7	422.0	426.7
27.5°	461.3	426.7	408.0	390.7	380.0	370.7	366.0	364.7	362.0	369.3	365.3
30°	396.7	365.3	343.3	325.3	312.7	308.0	303.3	302.0	306.0	300.7	298.0
32.5°	331.3	297.3	278.7	263.3	254.0	244.7	243.3	240.7	236.0	242.0	240.7
35°	272.0	243.3	224.0	214.7	202.0	198.0	190.0	188.0	188.7	190.0	189.3
37.5°	236.0	216.0	198.7	186.0	176.7	171.3	168.7	166.0	166.0	164.7	164.0
40°	219.3	202.7	186.7	174.7	167.3	163.3	160.7	158.0	156.0	154.0	152.0
42.5°	216.7	196.7	178.7	166.7	160.0	158.7	158.0	156.0	153.3	150.0	147.3
45°	214.7	189.3	170.7	160.0	155.3	154.7	154.7	152.7	150.7	147.3	143.3
47.5°	208.0	180.0	162.0	154.0	152.0	152.7	152.0	150.0	148.7	145.3	140.7
50°	193.3	166.0	148.7	142.7	142.0	141.3	141.3	140.7	139.3	136.7	132.0
52.5°	180.7	153.3	139.3	135.3	134.0	134.0	132.7	132.0	129.3	127.3	124.0
55°	172.7	146.7	134.7	132.0	132.0	131.3	130.0	128.0	126.0	123.3	119.3
57.5°	165.3	141.3	131.3	129.3	130.0	129.3	128.0	126.7	124.0	120.7	116.0
60°	154.7	133.3	124.7	124.0	125.3	126.7	126.0	125.3	123.3	118.7	112.0
62.5°	139.3	120.0	113.3	114.7	116.0	117.3	116.7	116.0	114.0	110.0	104.0
65°	124.0	110.0	106.0	107.3	108.7	108.7	108.7	107.3	106.0	101.3	96.7
67.5°	109.3	100.7	99.3	100.7	101.3	101.3	102.0	100.7	98.7	95.3	90.7
70°	93.3	89.3	89.3	90.7	91.3	90.7	91.3	89.3	87.3	85.3	80.7
72.5°	83.3	83.3	82.7	82.7	82.7	81.3	80.7	79.3	77.3	75.3	71.3
75°	74.0	74.0	73.3	74.7	72.0	70.0	69.3	68.0	66.0	63.3	60.7
77.5°	63.3	62.0	62.0	64.0	63.3	60.7	58.7	58.0	55.3	52.7	51.3
80°	54.7	53.3	53.3	52.7	51.3	50.7	48.0	45.3	44.7	44.7	42.7
82.5°	48.0	47.3	45.3	44.0	42.0	40.0	38.0	36.7	34.7	34.0	34.7
85°	38.0	38.7	36.7	35.3	33.3	30.7	28.7	27.3	26.0	26.0	28.7
87.5°	22.0	20.7	20.7	20.0	19.3	17.3	17.3	15.3	14.7	18.7	19.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0
2.5°	681.3	681.3	679.3	680.7	680.0	680.7	683.3	680.7	680.0	682.0	684.0
5°	681.3	682.7	680.7	682.0	682.0	684.0	687.3	685.3	686.7	689.3	692.0
7.5°	678.7	680.7	680.7	683.3	685.3	688.7	693.3	692.0	694.7	698.7	702.0
10°	671.3	674.7	678.0	682.0	686.7	692.0	698.7	698.7	701.3	706.7	710.0
12.5°	653.3	662.0	666.0	675.3	682.7	690.7	698.0	702.7	704.7	709.3	713.3
15°	617.3	628.0	636.0	647.3	659.3	670.7	683.3	688.0	692.0	694.0	696.0
17.5°	576.0	583.3	588.7	603.3	616.7	627.3	639.3	645.3	650.0	650.0	651.3
20°	542.0	545.3	546.7	546.7	554.7	564.7	580.0	578.0	582.0	578.0	582.0
22.5°	489.3	484.0	486.7	486.7	492.0	490.0	496.0	506.0	504.7	507.3	518.7
25°	425.3	426.0	421.3	421.3	422.0	423.3	426.0	428.7	438.0	448.0	455.3
27.5°	364.7	363.3	360.0	357.3	354.7	359.3	362.7	362.0	375.3	383.3	396.7
30°	298.0	298.0	298.7	297.3	300.0	296.7	302.0	303.3	314.7	323.3	335.3
32.5°	242.7	244.0	244.0	243.3	248.0	244.7	247.3	250.7	258.0	265.3	271.3
35°	192.7	194.7	200.0	202.0	204.0	201.3	204.7	208.7	209.3	216.0	220.7
37.5°	163.3	166.7	167.3	168.7	168.7	170.7	171.3	174.0	174.0	176.0	177.3
40°	150.7	149.3	148.7	148.0	146.7	147.3	148.0	150.0	150.7	152.0	152.0
42.5°	144.7	142.7	139.3	137.3	134.7	134.7	134.7	134.7	136.7	138.0	138.0
45°	139.3	136.0	132.7	129.3	127.3	126.0	126.7	127.3	128.7	129.3	130.0
47.5°	136.0	131.3	126.0	122.7	120.7	119.3	120.0	120.7	120.7	121.3	122.0
50°	126.7	122.0	117.3	114.0	112.0	111.3	111.3	110.7	111.3	112.0	112.0
52.5°	119.3	114.7	110.7	107.3	105.3	105.3	104.7	103.3	104.0	103.3	104.0
55°	115.3	109.3	104.7	101.3	99.3	99.3	98.0	98.7	98.7	97.3	98.0
57.5°	110.7	104.7	100.7	96.7	94.0	94.0	93.3	94.0	94.7	92.7	92.7
60°	106.0	100.7	96.0	92.7	89.3	90.0	89.3	90.7	90.7	88.7	88.7
62.5°	97.3	92.7	90.0	88.0	85.3	86.0	86.0	88.0	86.0	84.7	84.0
65°	90.7	87.3	83.3	83.3	80.7	82.0	82.0	82.0	80.0	79.3	80.0
67.5°	86.0	82.0	79.3	76.7	74.7	75.3	74.0	74.0	73.3	72.7	74.0
70°	77.3	74.0	72.7	70.0	68.7	66.7	66.0	66.0	66.0	65.3	66.0
72.5°	68.7	66.0	64.7	62.0	60.7	59.3	58.7	58.0	57.3	58.0	58.0
75°	58.0	56.7	55.3	54.0	52.7	52.0	51.3	51.3	50.7	50.0	50.7
77.5°	50.0	48.0	47.3	46.0	46.7	44.7	44.0	44.7	44.7	44.7	45.3
80°	42.7	41.3	41.3	40.0	39.3	38.0	38.7	38.7	38.7	38.7	39.3
82.5°	37.3	36.0	36.0	35.3	33.3	32.0	32.7	34.0	34.0	33.3	34.7
85°	30.7	29.3	29.3	28.7	26.0	25.3	24.7	26.0	26.7	25.3	26.7
87.5°	20.0	18.7	18.0	18.0	15.3	10.7	14.0	15.3	15.3	12.7	14.7
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°	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0
2.5°	683.3	684.7	684.7	686.0	688.7	686.0	684.7	686.7	686.7	686.0	686.0
5°	692.0	694.7	695.3	699.3	701.3	700.0	701.3	702.7	703.3	702.0	703.3
7.5°	703.3	706.7	710.0	714.7	718.7	718.0	720.0	722.7	723.3	723.3	724.7
10°	712.7	717.3	720.7	726.7	731.3	732.7	734.7	738.0	741.3	741.3	744.0
12.5°	714.7	720.0	723.3	728.7	736.7	739.3	744.0	752.0	755.3	758.0	760.0
15°	697.3	702.0	706.7	714.0	723.3	731.3	742.0	753.3	763.3	770.7	773.3
17.5°	652.0	652.7	657.3	668.0	687.3	696.0	709.3	732.7	746.7	760.0	772.7
20°	585.3	598.0	602.7	616.7	635.3	648.7	664.0	685.3	706.7	730.7	752.0
22.5°	526.7	543.3	556.7	573.3	588.7	604.0	623.3	642.0	665.3	688.7	714.0
25°	466.7	482.0	500.7	518.7	536.7	556.0	580.0	600.0	623.3	650.7	682.7
27.5°	408.7	424.7	445.3	466.7	481.3	507.3	527.3	556.7	583.3	613.3	649.3
30°	348.0	363.3	373.3	396.7	417.3	443.3	474.0	502.7	534.7	568.0	610.0
32.5°	282.0	291.3	305.3	321.3	345.3	372.7	404.7	435.3	479.3	520.7	560.7
35°	226.0	230.7	230.0	248.0	258.7	291.3	331.3	360.7	404.7	455.3	508.0
37.5°	178.0	177.3	181.3	184.0	197.3	218.7	250.0	288.0	338.7	393.3	446.0
40°	152.0	152.7	153.3	153.3	156.0	170.0	198.0	237.3	286.0	334.7	392.7
42.5°	140.0	141.3	142.0	143.3	144.7	149.3	169.3	206.0	247.3	299.3	351.3
45°	131.3	133.3	135.3	135.3	136.7	138.0	149.3	177.3	218.7	268.0	322.7
47.5°	124.0	126.0	127.3	128.0	129.3	130.7	136.7	156.0	196.0	240.7	297.3
50°	113.3	115.3	116.7	118.7	118.7	118.7	122.7	136.7	167.3	211.3	266.7
52.5°	104.7	106.0	108.0	109.3	110.0	110.7	112.7	120.7	144.0	185.3	237.3
55°	100.0	101.3	103.3	104.7	106.0	106.7	108.0	111.3	128.0	163.3	212.0
57.5°	94.0	96.0	98.7	100.0	101.3	102.0	102.7	104.0	115.3	142.0	182.0
60°	90.0	93.3	96.7	98.7	99.3	100.0	100.7	99.3	104.0	120.7	152.0
62.5°	85.3	88.7	91.3	94.0	94.7	95.3	96.0	94.0	93.3	101.3	118.7
65°	81.3	83.3	85.3	87.3	87.3	88.0	87.3	84.7	82.7	82.7	90.7
67.5°	76.0	77.3	79.3	80.0	80.0	80.0	79.3	78.7	75.3	74.0	75.3
70°	68.0	70.0	72.0	73.3	73.3	72.7	72.0	70.0	68.7	67.3	68.7
72.5°	60.7	63.3	64.0	64.7	64.0	64.0	64.0	62.7	63.3	63.3	64.0
75°	53.3	54.7	54.7	56.0	56.0	56.0	56.0	56.0	57.3	56.7	57.3
77.5°	45.3	46.0	47.3	47.3	47.3	48.0	49.3	49.3	50.7	51.3	51.3
80°	39.3	38.0	38.0	37.3	38.0	39.3	40.7	43.3	43.3	44.0	44.7
82.5°	31.3	28.7	27.3	28.7	28.7	29.3	32.0	34.7	34.7	36.7	37.3
85°	24.0	20.7	18.0	19.3	19.3	20.7	23.3	24.7	26.7	27.3	26.7
87.5°	14.0	12.0	8.0	6.7	8.0	10.0	10.7	12.0	10.0	11.3	12.0
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0
2.5°	687.3	687.3	684.0	684.0	684.7	686.0	682.7	682.0	682.7	682.0	681.3
5°	705.3	703.3	702.7	701.3	700.7	702.0	698.7	698.7	698.0	696.7	694.7
7.5°	725.3	724.0	722.7	721.3	720.0	720.7	717.3	716.7	716.0	715.3	713.3
10°	744.0	742.0	740.7	737.3	734.7	732.0	725.3	723.3	721.3	720.0	719.3
12.5°	759.3	757.3	752.7	746.7	742.7	736.0	730.7	726.0	724.0	722.0	722.7
15°	774.0	770.0	764.0	756.7	752.7	746.0	742.0	740.0	738.7	737.3	738.7
17.5°	778.7	780.0	776.7	774.7	772.0	769.3	770.0	772.0	776.0	776.0	776.0
20°	770.0	784.7	794.0	801.3	807.3	811.3	812.0	814.0	818.7	820.7	830.7
22.5°	749.3	787.3	818.7	844.0	860.0	865.3	871.3	878.0	878.7	880.7	890.0
25°	730.0	785.3	832.0	872.0	909.3	935.3	950.0	963.3	966.7	969.3	969.3
27.5°	696.0	757.3	817.3	870.7	922.0	965.3	999.3	1034.0	1058.0	1066.7	1079.3
30°	660.0	724.7	786.7	854.0	919.3	980.0	1041.3	1097.3	1136.7	1166.0	1189.3
32.5°	614.7	684.7	755.3	828.7	906.7	982.7	1064.7	1146.0	1220.7	1279.3	1315.3
35°	567.3	640.7	714.0	794.7	882.7	974.7	1079.3	1187.3	1287.3	1382.7	1464.7
37.5°	515.3	584.7	664.7	756.7	851.3	961.3	1083.3	1217.3	1356.0	1492.7	1598.7
40°	456.0	523.3	600.7	697.3	812.0	936.0	1081.3	1240.7	1414.7	1584.7	1755.3
42.5°	415.3	477.3	551.3	648.7	765.3	907.3	1073.3	1262.0	1468.0	1678.7	1893.3
45°	384.7	445.3	518.0	611.3	730.0	879.3	1070.7	1286.0	1524.0	1765.3	2016.0
47.5°	358.0	420.7	490.7	582.7	697.3	854.0	1064.7	1306.0	1570.7	1832.0	2122.7
50°	332.0	396.0	468.0	560.7	673.3	826.7	1051.3	1324.0	1614.7	1901.3	2210.7
52.5°	303.3	366.7	444.0	538.7	658.0	809.3	1037.3	1338.7	1657.3	1975.3	2302.0
55°	272.7	336.7	412.7	512.7	637.3	796.0	1023.3	1348.0	1702.0	2042.0	2384.0
57.5°	239.3	303.3	377.3	479.3	612.0	778.0	1008.0	1347.3	1734.7	2104.7	2472.7
60°	198.7	256.7	330.0	432.7	568.0	752.7	995.3	1342.0	1758.0	2160.0	2571.3
62.5°	151.3	200.7	268.0	364.0	504.7	704.0	962.0	1319.3	1760.7	2200.0	2653.3
65°	108.0	134.7	188.0	284.0	400.7	595.3	881.3	1259.3	1716.7	2171.3	2660.7
67.5°	82.7	97.3	123.3	180.7	284.0	453.3	742.7	1124.7	1580.0	2018.7	2538.0
70°	71.3	78.7	92.7	118.0	178.0	294.0	526.0	888.7	1301.3	1736.7	2180.0
72.5°	66.0	70.7	79.3	92.0	113.3	173.3	324.0	597.3	956.0	1324.0	1712.0
75°	60.7	65.3	72.0	80.0	90.7	116.0	176.7	351.3	590.0	874.7	1150.7
77.5°	54.0	58.0	66.7	74.0	80.7	90.7	112.7	195.3	324.7	523.3	688.7
80°	45.3	49.3	56.0	67.3	74.0	80.7	88.0	120.0	179.3	270.7	353.3
82.5°	37.3	39.3	44.7	54.7	60.7	64.0	66.0	78.0	102.0	133.3	194.7
85°	26.0	26.0	30.0	35.3	40.0	37.3	38.0	40.0	52.7	74.0	149.3
87.5°	10.0	7.3	9.3	11.3	11.3	10.7	12.7	12.0	16.7	31.3	42.7
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°	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	0°
2.5°	681.3	681.3	680.7	680.0	679.3	679.3	678.0	680.0	679.3	680.0	680.7	2.5°
5°	695.3	694.0	692.7	691.3	691.3	690.0	688.0	687.3	684.7	684.0	682.0	5°
7.5°	715.3	715.3	715.3	714.0	711.3	708.0	704.0	701.3	694.0	688.7	682.7	7.5°
10°	720.7	722.0	722.7	723.3	720.7	720.0	715.3	710.0	701.3	693.3	685.3	10°
12.5°	722.7	725.3	726.0	726.7	724.7	723.3	718.7	715.3	708.0	700.0	696.0	12.5°
15°	741.3	746.0	751.3	750.7	756.7	750.0	746.0	746.7	738.7	730.0	727.3	15°
17.5°	789.3	791.3	802.7	803.3	812.7	815.3	808.7	801.3	796.7	791.3	780.0	17.5°
20°	841.3	856.0	860.0	880.0	889.3	894.0	894.7	894.7	886.0	862.7	853.3	20°
22.5°	898.0	920.0	944.0	956.7	976.0	978.7	988.7	982.7	976.0	958.0	936.7	22.5°
25°	989.3	1002.0	1023.3	1055.3	1064.7	1084.0	1080.0	1088.7	1074.0	1042.7	1030.0	25°
27.5°	1091.3	1113.3	1143.3	1173.3	1186.7	1208.0	1194.7	1208.0	1184.0	1175.3	1144.7	27.5°
30°	1202.7	1232.7	1286.0	1323.3	1350.7	1365.3	1356.7	1349.3	1342.7	1326.7	1324.7	30°
32.5°	1339.3	1375.3	1426.0	1474.7	1522.7	1572.7	1584.7	1595.3	1620.0	1571.3	1524.0	32.5°
35°	1508.0	1535.3	1592.0	1648.0	1714.0	1776.7	1880.0	1906.0	1872.7	1814.7	1738.7	35°
37.5°	1672.7	1734.7	1791.3	1858.0	1907.3	1979.3	2025.3	2076.7	2048.7	1994.7	1907.3	37.5°
40°	1874.7	1958.7	2036.0	2118.0	2174.0	2230.0	2316.7	2372.7	2367.3	2300.0	2182.0	40°
42.5°	2060.0	2193.3	2321.3	2382.7	2457.3	2558.7	2622.7	2712.0	2718.0	2640.0	2490.0	42.5°
45°	2254.0	2409.3	2565.3	2686.0	2749.3	2874.7	3021.3	3118.7	3148.7	3000.0	2846.7	45°
47.5°	2406.0	2648.0	2857.3	2986.0	3104.0	3233.3	3422.0	3562.7	3550.7	3350.0	3147.3	47.5°
50°	2539.3	2847.3	3100.7	3312.7	3454.0	3603.3	3852.0	4020.0	3961.3	3706.0	3452.7	50°
52.5°	2660.0	3021.3	3334.7	3597.3	3762.0	3975.3	4289.3	4436.0	4269.3	4022.7	3709.3	52.5°
55°	2770.7	3178.7	3542.7	3858.7	4112.7	4388.0	4682.7	4783.3	4546.0	4241.3	3953.3	55°
57.5°	2872.7	3324.7	3734.0	4113.3	4454.0	4782.7	5039.3	5046.0	4748.0	4410.0	4135.3	57.5°
60°	2995.3	3458.7	3934.0	4377.3	4792.7	5134.0	5284.0	5236.7	4878.0	4536.0	4260.7	60°
62.5°	3114.0	3579.3	4097.3	4631.3	5132.0	5430.0	5460.0	5360.0	4967.3	4594.7	4354.7	62.5°
65°	3172.7	3671.3	4188.7	4792.7	5397.3	5606.7	5570.0	5413.3	5003.3	4603.3	4378.7	65°
67.5°	3086.7	3585.3	4101.3	4722.7	5396.0	5595.3	5500.7	5311.3	4916.0	4485.3	4267.3	67.5°
70°	2770.0	3253.3	3674.0	4258.7	5016.0	5212.7	5070.7	4883.3	4552.7	4131.3	4032.0	70°
72.5°	2330.7	2689.3	3041.3	3473.3	3992.7	4164.7	3977.3	4070.7	3985.3	3577.3	3486.7	72.5°
75°	1749.3	2084.7	2222.0	2354.7	2713.3	2816.0	2744.0	3064.0	3151.3	2981.3	2750.0	75°
77.5°	1144.7	1496.7	1522.0	1524.7	1671.3	1868.0	2128.7	2461.3	2626.7	2550.0	2269.3	77.5°
80°	667.3	1054.7	943.3	907.3	1037.3	1256.7	1600.7	2017.3	2236.0	2252.0	1984.0	80°
82.5°	335.3	661.3	572.7	566.7	640.0	802.0	1053.3	1286.0	1570.7	1584.0	1619.3	82.5°
85°	260.7	454.7	465.3	504.7	556.0	623.3	642.0	683.3	842.0	988.7	1026.7	85°
87.5°	135.3	334.7	394.7	459.3	453.3	371.3	313.3	338.0	393.3	414.7	538.7	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°
680.0	680.0	680.0	680.0	680.0	680.0	680.0
679.3	680.7	680.0	680.7	681.3	681.3	680.7
678.7	678.0	675.3	674.0	674.0	672.7	672.0
674.7	670.0	663.3	659.3	656.7	654.7	651.3
675.3	667.3	658.7	652.7	646.7	642.7	638.7
684.0	674.0	666.0	656.7	652.0	646.7	642.0
714.0	700.7	691.3	682.7	677.3	673.3	669.3
762.0	746.0	730.7	722.7	713.3	706.7	706.0
826.7	803.3	783.3	765.3	756.7	746.0	744.0
900.0	866.0	844.7	824.7	812.7	800.0	800.7
993.3	959.3	924.7	904.0	886.7	888.7	886.7
1105.3	1078.7	1038.7	1013.3	1008.0	987.3	972.0
1280.0	1240.0	1191.3	1146.0	1117.3	1083.3	1051.3
1451.3	1377.3	1312.7	1268.7	1232.0	1182.0	1132.0
1620.7	1535.3	1475.3	1438.0	1381.3	1311.3	1233.3
1822.0	1766.0	1723.3	1632.0	1551.3	1444.0	1326.0
2112.7	2042.0	1940.0	1824.0	1707.3	1555.3	1394.0
2402.0	2316.7	2174.0	2003.3	1836.0	1652.7	1447.3
2716.0	2551.3	2365.3	2158.7	1952.7	1725.3	1484.0
2963.3	2758.0	2526.0	2278.0	2045.3	1785.3	1516.0
3216.0	2968.0	2676.7	2397.3	2129.3	1834.0	1548.0
3414.7	3138.0	2830.7	2506.0	2207.3	1888.7	1592.0
3613.3	3307.3	2968.7	2614.7	2304.0	1964.7	1658.0
3778.7	3460.7	3102.0	2733.3	2416.0	2066.0	1766.0
3996.7	3676.0	3258.7	2874.0	2542.7	2204.0	1902.7
4204.0	3928.7	3476.7	3039.3	2697.3	2360.0	2058.0
4340.7	4214.0	3700.0	3205.3	2842.7	2506.0	2194.7
4343.3	4395.3	3935.3	3340.0	2978.7	2664.7	2306.7
4238.7	4420.7	3985.3	3352.0	3043.3	2735.3	2365.3
3876.7	4108.7	3686.0	3115.3	2923.3	2680.0	2300.7
2998.7	3166.7	2948.0	2640.7	2647.3	2505.3	2047.3
2076.0	2234.7	2050.7	1985.3	2131.3	2052.0	1528.7
1572.7	1368.0	1296.0	1330.7	1512.7	1504.0	961.3
1400.7	1035.3	858.7	901.3	1068.0	975.3	535.3
1148.7	1032.7	863.3	780.7	814.0	666.0	366.0
661.3	755.3	615.3	580.0	504.7	300.0	148.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)