

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: McGRAW-EDISON

Report Number: P158969

Luminaire Tested: **VTS-E02-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158969
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E02-LED-E1-SLR-7030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

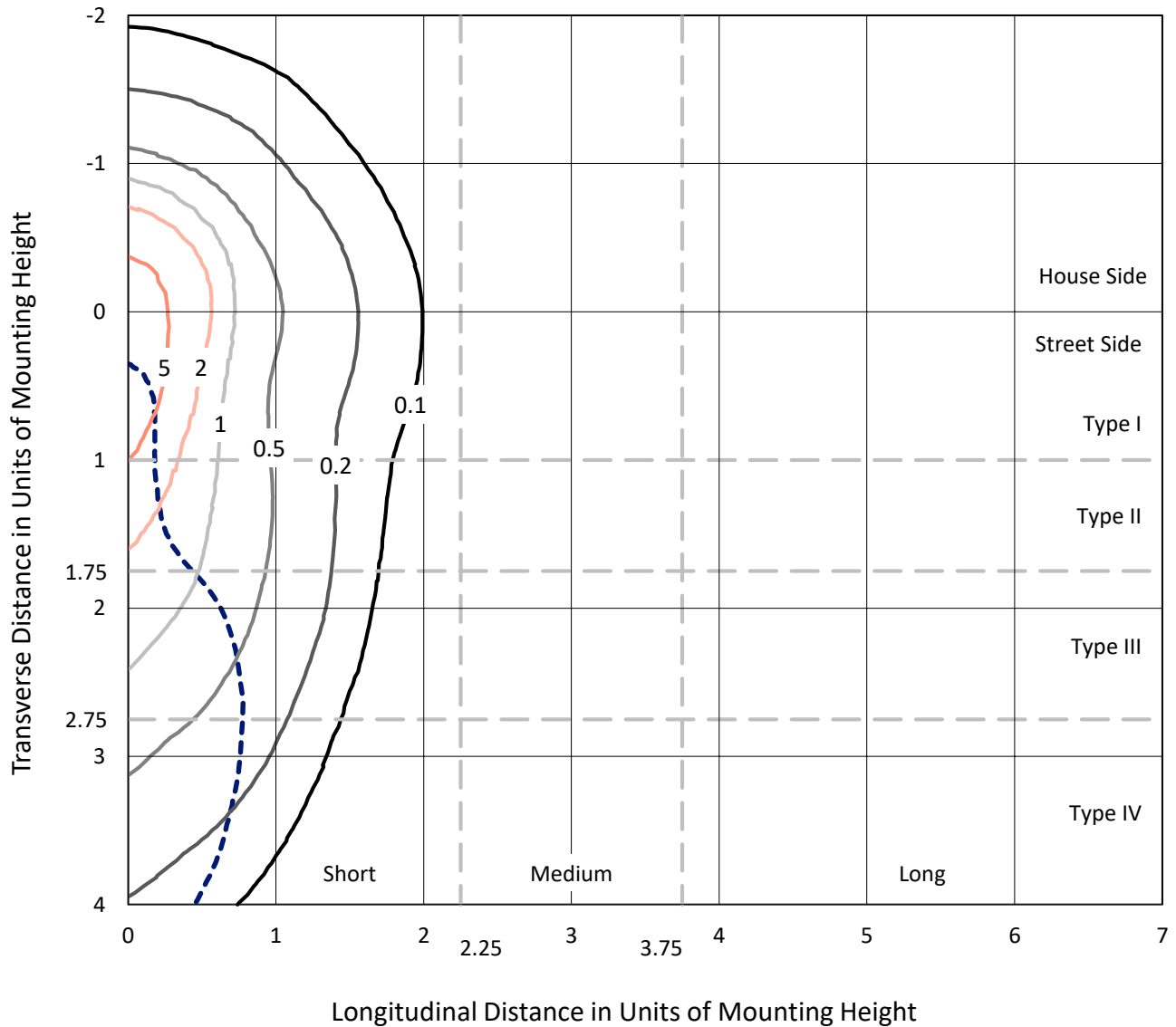
Lumens per Lamp: N/A
Luminaire Lumens: 4908.9 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

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

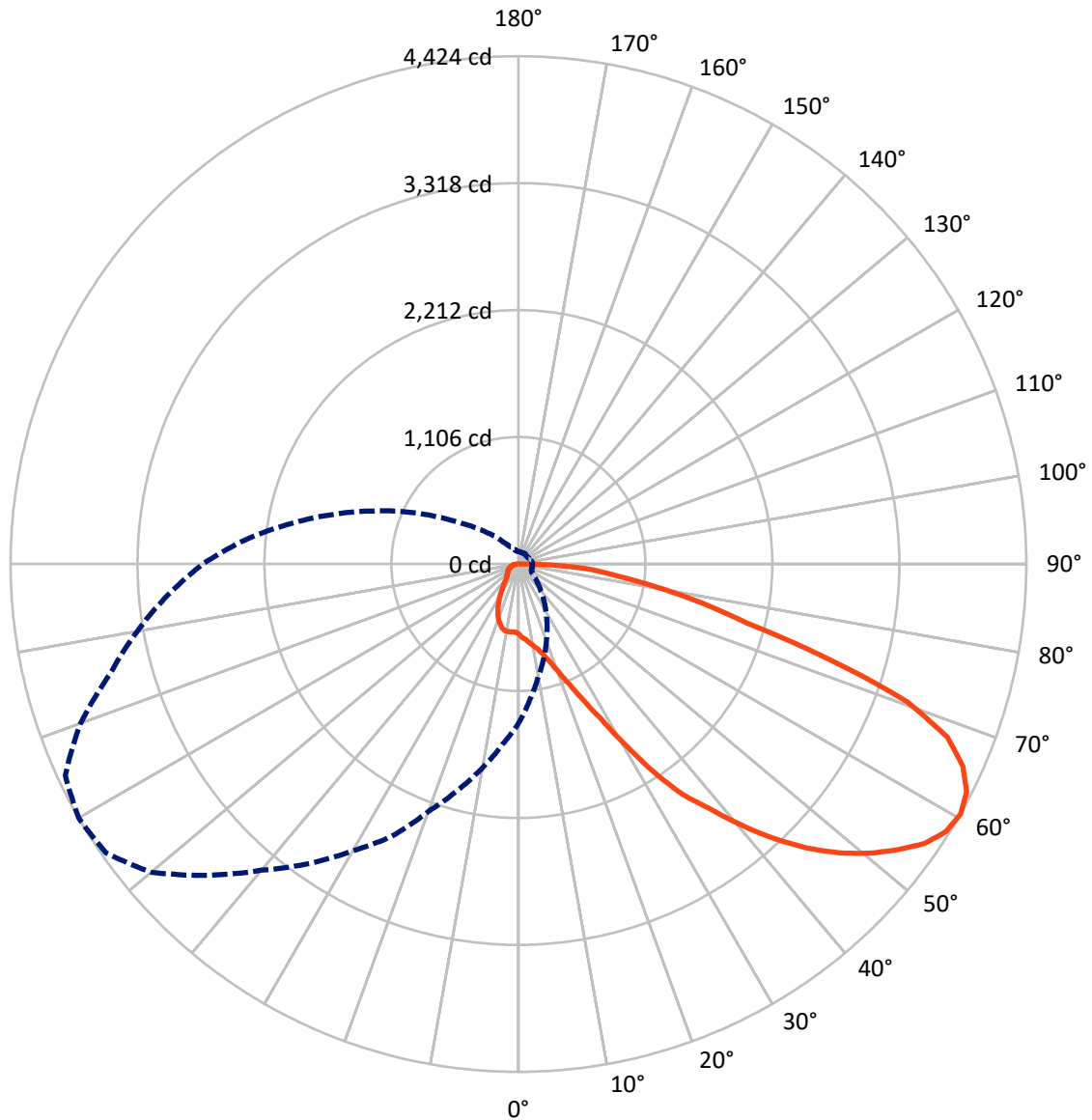
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1105.3	0.0	1105.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3803.5	0.0	3803.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	4908.9	0.0	4908.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.2
10°-20°	194.5	4.0
20°-30°	369.0	7.5
30°-40°	581.1	11.8
40°-50°	811.1	16.5
50°-60°	1003.2	20.4
60°-70°	1039.8	21.2
70°-80°	654.3	13.3
80°-90°	195.6	4.0
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°	4908.9	100.0
0°-180°	4908.9	100.0



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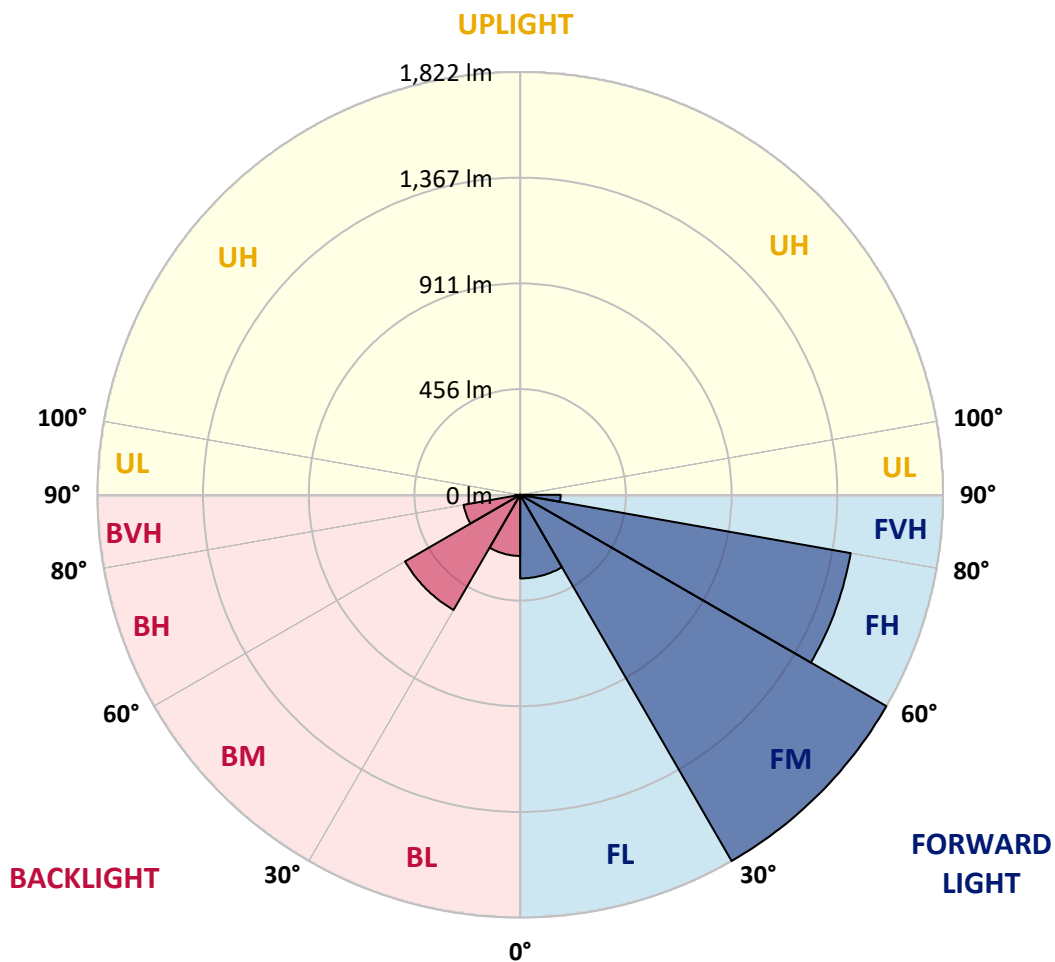
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	360.4	7.3			
FM	(30°-60°)	1822.2	37.1			
FH	(60°-80°)	1446.6	29.5			G1/1800
FVH	(80°-90°)	174.3	3.6			G2/225
BL	(0°-30°)	263.3	5.4	B1/500		
BM	(30°-60°)	573.2	11.7	B1/1000		
BH	(60°-80°)	247.5	5.0	B1/500		G1/500
BVH	(80°-90°)	21.3	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°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
2.5°	646.7	607.9	608.7	607.6	607.6	606.8	607.6	606.8	606.1	606.1	606.5
5°	655.1	612.3	612.3	611.2	610.5	609.8	610.5	609.8	609.4	608.7	609.0
7.5°	663.1	614.9	613.4	611.9	610.1	610.8	610.8	610.5	610.8	610.5	611.2
10°	676.2	623.3	619.6	616.3	616.0	615.2	615.2	614.1	614.1	613.4	613.8
12.5°	709.9	649.2	645.2	639.3	638.2	635.0	633.1	630.9	627.3	624.0	621.4
15°	766.5	692.3	684.6	679.5	677.3	670.8	660.5	652.5	641.9	632.8	623.3
17.5°	835.9	750.0	740.9	734.3	723.4	705.5	688.3	668.6	648.1	629.5	612.3
20°	933.1	833.0	815.1	799.4	772.0	741.3	709.1	674.8	643.4	614.1	588.9
22.5°	1064.6	940.0	906.8	864.8	814.0	762.1	711.0	663.5	621.4	583.4	549.8
25°	1215.9	1042.3	982.4	910.1	832.2	760.6	693.4	632.4	583.4	534.5	498.0
27.5°	1327.3	1127.8	1039.4	944.4	845.0	753.7	671.1	597.3	538.1	488.1	443.9
30°	1390.8	1176.8	1070.4	959.0	847.2	742.0	643.0	557.5	489.2	429.6	387.3
32.5°	1431.8	1203.1	1073.7	944.4	820.9	707.3	600.3	511.5	437.3	373.7	328.8
35°	1466.1	1213.7	1058.4	911.9	771.2	654.7	545.5	456.7	378.1	319.7	273.6
37.5°	1480.0	1211.8	1033.9	868.4	722.6	597.3	489.6	398.6	328.4	276.9	237.5
40°	1477.4	1195.0	1000.7	822.0	665.6	537.4	430.4	350.4	293.4	249.9	221.0
42.5°	1460.3	1172.7	963.8	774.9	613.4	487.7	390.2	319.3	273.3	240.4	215.2
45°	1438.7	1146.1	930.2	731.8	572.1	452.3	366.8	310.5	270.7	239.3	212.3
47.5°	1409.5	1116.5	896.2	701.1	550.2	441.7	366.4	315.7	272.9	236.7	207.1
50°	1377.7	1094.9	877.5	687.9	547.6	448.3	379.2	323.7	274.4	234.2	200.2
52.5°	1355.4	1085.4	877.2	692.7	561.2	466.5	394.2	333.9	279.9	235.6	198.7
55°	1328.0	1084.0	886.7	713.1	590.8	497.6	417.9	351.5	291.2	241.1	199.8
57.5°	1329.8	1112.8	923.6	763.6	644.1	539.6	448.3	373.0	302.1	244.4	198.0
60°	1387.6	1180.0	996.3	849.8	713.9	588.9	479.3	384.7	301.4	237.1	189.2
62.5°	1506.7	1280.9	1105.2	951.0	784.8	626.9	490.7	381.4	290.4	221.4	175.0
65°	1648.8	1398.9	1211.1	1029.5	827.9	635.7	480.8	363.1	268.5	200.9	157.8
67.5°	1790.9	1482.6	1272.1	1051.8	810.3	600.3	444.3	322.2	231.3	173.2	138.5
70°	1842.0	1499.7	1267.4	1001.8	730.7	512.2	365.7	259.4	185.6	141.8	116.5
72.5°	1765.3	1392.3	1126.7	851.2	594.0	397.1	268.2	191.4	141.8	111.1	95.0
75°	1480.7	1121.2	890.7	641.2	428.9	280.9	193.6	139.6	106.7	88.0	76.0
77.5°	1055.5	780.7	606.8	421.2	278.4	194.7	138.8	104.9	84.8	70.5	61.7
80°	663.1	479.3	369.7	252.8	173.5	132.3	99.7	82.9	68.3	57.4	51.5
82.5°	399.3	279.1	217.7	157.1	114.0	90.6	73.4	65.0	54.4	47.5	44.2
85°	271.1	205.3	142.8	92.8	68.7	53.3	50.1	44.9	40.6	34.0	32.9
87.5°	51.9	73.4	63.9	38.0	25.2	21.6	19.0	18.3	16.4	13.2	15.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
2.5°	604.3	603.5	602.1	602.1	601.0	598.8	598.4	597.0	595.1	595.5	595.1
5°	606.5	605.0	603.2	602.4	601.0	598.8	597.7	595.9	594.0	594.0	594.0
7.5°	609.0	607.2	605.7	603.2	600.3	598.1	595.1	592.9	591.9	591.5	591.9
10°	611.2	610.1	607.9	604.3	600.3	595.9	592.9	590.0	587.1	587.5	587.8
12.5°	616.0	612.3	606.5	601.0	594.8	589.3	584.2	580.5	576.9	576.9	577.2
15°	612.7	602.1	594.0	583.4	576.5	567.7	561.9	558.6	556.4	555.7	556.0
17.5°	593.3	580.5	568.5	559.0	549.5	542.5	540.0	537.8	534.9	536.3	534.9
20°	564.1	548.4	531.2	519.9	508.6	503.8	499.4	497.2	495.4	502.0	502.0
22.5°	522.1	503.1	485.5	471.7	458.9	453.8	449.4	446.8	447.9	455.9	456.7
25°	469.1	446.1	423.1	414.7	401.9	397.9	395.3	394.9	396.0	404.1	405.9
27.5°	412.8	388.7	369.0	349.6	343.8	340.5	335.7	341.2	342.3	351.1	354.7
30°	352.9	327.0	306.2	293.4	280.9	282.8	278.8	285.3	288.3	297.4	300.3
32.5°	291.5	267.1	246.2	233.5	224.7	225.8	222.9	228.7	231.6	242.6	248.1
35°	241.1	220.3	203.5	192.5	188.5	184.5	183.8	184.5	187.4	195.8	205.7
37.5°	212.3	195.1	183.0	175.0	169.5	167.0	165.5	165.5	165.5	167.3	172.1
40°	199.8	184.5	173.9	166.2	162.6	161.1	160.0	158.9	157.1	156.4	156.7
42.5°	194.4	176.8	165.5	159.7	157.5	157.5	157.5	156.7	154.9	153.1	151.3
45°	188.9	169.9	158.6	154.5	153.4	153.8	153.8	153.8	152.3	150.2	146.9
47.5°	181.9	162.2	150.9	148.3	148.3	149.4	149.8	149.8	148.3	146.1	143.6
50°	173.5	152.3	142.1	139.9	138.8	138.8	138.8	138.8	137.7	136.3	134.4
52.5°	169.2	146.9	136.3	134.1	134.1	133.0	132.6	131.5	130.4	129.3	126.8
55°	167.7	144.7	133.7	131.9	131.9	130.8	129.7	128.6	126.8	124.9	122.4
57.5°	163.7	139.9	130.4	129.0	129.0	128.2	127.1	126.0	124.2	121.7	118.4
60°	154.5	131.9	123.9	123.5	123.5	123.1	122.4	122.4	120.6	118.0	114.0
62.5°	142.8	123.5	115.8	115.8	115.4	115.1	113.6	113.3	111.1	107.8	104.1
65°	131.5	116.2	111.1	109.6	108.9	107.8	107.0	105.2	103.4	100.5	96.8
67.5°	117.3	105.2	101.9	100.5	99.0	97.9	96.8	95.7	93.5	91.3	88.4
70°	101.9	93.2	91.3	91.0	89.1	88.0	87.7	86.6	84.4	82.2	78.5
72.5°	87.3	82.2	80.7	80.7	78.5	77.1	76.4	76.0	74.5	72.7	69.4
75°	70.5	66.9	66.5	68.3	68.3	67.2	66.5	67.2	65.0	63.9	60.6
77.5°	57.7	55.9	54.8	55.5	57.7	56.6	55.2	55.2	55.2	53.3	52.2
80°	49.0	47.5	46.4	47.1	46.8	46.4	45.7	44.2	44.2	44.2	43.8
82.5°	44.2	43.8	39.8	39.8	38.4	37.3	36.5	35.8	35.1	35.1	36.9
85°	33.2	34.3	32.1	31.8	30.0	28.5	27.0	26.3	25.6	26.7	30.3
87.5°	16.1	16.1	15.3	17.2	15.7	15.0	13.9	13.2	13.9	17.2	20.5
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°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
2.5°	594.4	594.0	593.7	592.9	591.5	591.1	590.4	590.4	590.0	589.3	590.0
5°	593.3	594.0	594.0	593.7	592.6	593.3	593.3	594.4	594.4	595.1	597.0
7.5°	591.9	593.7	595.1	596.2	597.7	598.8	601.0	604.3	605.7	608.3	609.4
10°	588.9	592.2	594.8	598.1	601.7	605.7	609.0	614.1	616.0	619.6	621.4
12.5°	580.5	586.0	590.4	597.0	603.2	609.4	615.2	621.8	625.1	629.1	631.7
15°	560.1	566.3	572.5	578.3	589.3	601.3	610.8	619.6	624.4	629.5	632.0
17.5°	535.6	539.6	544.7	552.4	563.0	573.6	588.9	601.3	608.7	614.5	615.2
20°	507.1	512.9	516.6	519.5	527.9	535.2	551.7	565.9	575.4	582.4	584.2
22.5°	463.6	469.8	476.0	478.2	484.8	494.3	503.4	518.8	532.3	542.5	548.7
25°	413.9	419.8	428.2	434.8	436.2	443.9	453.0	470.6	484.4	500.9	508.2
27.5°	364.2	369.4	378.5	382.1	386.5	394.2	401.5	416.1	430.7	449.7	457.8
30°	306.2	317.1	327.7	334.7	338.3	347.4	352.6	366.8	380.3	394.2	405.9
32.5°	256.5	266.3	278.4	287.2	291.5	298.5	306.5	318.6	329.2	342.7	356.2
35°	210.8	224.3	232.4	240.0	251.4	254.6	262.7	273.6	279.9	294.5	309.8
37.5°	178.7	186.7	194.7	202.4	211.9	216.3	224.0	233.1	240.4	249.2	263.0
40°	158.9	163.3	169.2	174.3	181.2	186.7	190.7	198.4	203.9	212.6	222.5
42.5°	149.8	150.9	151.6	155.3	158.9	162.6	167.0	170.2	176.8	183.4	189.6
45°	144.7	142.5	141.4	141.8	143.2	145.4	149.1	152.7	157.1	161.1	164.8
47.5°	140.3	137.4	134.1	132.3	132.6	133.3	136.3	139.2	141.4	144.7	146.1
50°	130.1	127.5	124.6	122.0	122.4	122.8	125.3	127.5	129.0	130.1	131.9
52.5°	123.5	119.8	117.3	114.7	114.4	115.4	117.6	119.8	120.6	121.3	121.7
55°	118.7	115.1	111.8	109.2	108.1	110.7	111.4	114.4	115.4	115.4	115.8
57.5°	115.1	110.7	107.4	104.9	103.0	104.9	106.7	110.0	110.3	109.6	109.6
60°	109.6	106.3	103.0	100.5	98.6	100.1	101.6	105.2	105.2	103.4	103.0
62.5°	100.1	98.3	96.1	95.0	94.6	96.1	97.2	100.1	99.0	96.8	96.1
65°	93.2	91.7	89.5	88.8	88.4	90.6	91.0	92.8	91.3	90.2	89.9
67.5°	84.8	83.7	82.6	82.2	81.1	81.1	81.8	82.9	82.2	82.2	82.6
70°	75.3	73.8	72.7	73.1	72.3	72.3	72.7	73.4	73.1	73.8	74.5
72.5°	66.5	64.7	64.3	64.3	63.6	63.9	63.9	64.3	65.0	65.4	67.2
75°	58.1	56.3	56.3	55.9	55.9	55.9	56.3	57.0	57.7	58.1	58.8
77.5°	50.4	49.3	49.7	49.3	49.3	49.3	49.3	50.4	50.8	51.1	52.2
80°	43.5	43.5	43.8	43.8	43.5	43.1	43.5	44.2	44.6	44.9	45.3
82.5°	39.5	39.8	39.8	39.8	38.0	37.3	38.4	39.1	39.8	40.2	40.9
85°	34.0	32.5	34.0	33.6	31.1	30.7	30.7	31.1	31.8	31.1	31.1
87.5°	21.9	19.7	20.8	20.8	18.3	15.0	19.0	20.5	18.3	19.4	19.4
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
2.5°	591.1	590.4	590.8	590.8	591.5	590.4	591.9	593.3	593.7	593.7	594.0
5°	598.8	598.1	600.6	599.5	602.1	601.7	603.5	605.0	605.7	605.7	605.7
7.5°	610.8	613.4	614.9	618.9	619.3	621.4	623.3	625.1	624.4	624.7	624.4
10°	624.4	627.7	631.3	635.3	635.7	638.2	641.2	643.0	642.3	641.9	640.8
12.5°	636.1	638.2	642.6	646.7	648.8	652.9	655.8	657.2	657.2	656.2	655.1
15°	635.3	638.6	643.4	649.2	653.2	659.1	664.2	667.5	667.8	666.7	666.4
17.5°	619.3	624.0	628.4	636.4	643.7	651.8	660.2	664.9	669.3	671.9	673.3
20°	590.4	596.2	602.4	613.0	622.9	633.5	643.4	650.3	656.9	664.6	673.7
22.5°	556.4	565.2	573.9	587.5	599.5	611.6	622.9	631.3	641.5	654.7	671.9
25°	516.6	525.7	536.7	552.4	567.7	585.3	602.1	618.9	638.6	661.3	687.9
27.5°	469.5	479.7	493.9	512.9	530.5	548.4	574.7	601.3	633.5	662.7	693.1
30°	422.7	435.9	451.2	470.2	487.7	513.3	539.6	572.5	606.5	639.3	675.5
32.5°	372.3	388.7	407.7	423.4	443.2	469.1	495.4	530.5	566.6	605.4	645.2
35°	323.7	339.4	354.4	371.9	391.6	416.1	441.7	475.3	521.0	562.3	609.8
37.5°	274.4	289.0	299.6	313.5	330.6	357.7	385.1	423.8	466.9	517.7	565.2
40°	231.3	243.3	255.4	266.3	280.9	306.5	335.7	373.7	416.1	465.4	518.4
42.5°	196.9	206.1	219.2	232.4	244.8	266.7	294.1	331.4	373.4	423.8	476.8
45°	168.1	174.3	184.9	195.8	211.2	229.4	255.7	293.7	336.5	387.3	443.2
47.5°	147.2	150.2	157.5	168.8	183.0	200.9	223.6	257.9	299.6	350.7	409.5
50°	133.0	136.3	139.9	149.4	162.2	180.5	199.1	229.1	267.1	317.1	375.6
52.5°	123.1	124.6	126.0	131.9	143.6	158.9	178.7	201.3	239.7	287.5	340.1
55°	117.3	117.6	118.7	121.7	130.4	144.7	161.8	183.4	213.4	258.7	312.4
57.5°	110.3	111.1	112.2	114.0	119.5	132.3	146.9	164.4	189.2	227.2	278.8
60°	103.8	105.6	107.4	108.5	111.4	119.1	131.5	145.4	165.5	194.0	234.9
62.5°	96.8	99.0	100.5	101.6	102.7	107.4	116.5	125.7	138.1	156.7	187.4
65°	90.6	92.1	93.2	93.9	94.6	96.1	100.1	103.8	107.4	118.7	141.0
67.5°	83.7	84.4	84.8	85.1	84.8	84.8	85.1	86.6	88.0	92.4	103.0
70°	75.6	76.7	76.7	77.1	77.1	76.0	76.0	76.0	76.0	77.1	82.9
72.5°	68.0	69.4	69.4	69.8	69.4	69.0	69.0	69.0	70.1	70.9	73.1
75°	60.6	62.1	61.7	62.1	62.5	62.5	63.2	63.6	64.7	65.0	66.5
77.5°	53.3	54.4	54.8	54.4	55.2	55.9	57.4	58.1	58.5	58.8	59.2
80°	46.4	47.1	46.8	45.7	47.5	48.6	50.8	53.3	52.6	53.0	53.7
82.5°	38.4	37.3	36.5	37.3	38.4	39.8	42.0	45.3	45.7	47.5	47.1
85°	29.6	26.3	25.9	27.8	27.4	29.2	32.9	35.4	37.6	39.5	37.6
87.5°	17.5	15.7	13.2	12.4	13.5	17.9	18.6	22.7	24.5	25.2	22.7
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
2.5°	627.3	629.1	629.1	629.8	630.9	631.3	632.8	635.3	635.7	635.7	636.8
5°	639.0	640.8	640.8	642.3	642.6	644.5	646.3	649.2	650.7	650.3	655.1
7.5°	658.0	656.5	655.4	657.6	658.7	660.9	664.6	667.1	669.7	673.7	680.3
10°	674.1	671.9	670.8	672.2	673.0	675.5	677.7	681.4	687.6	693.8	701.8
12.5°	687.2	684.6	681.7	682.5	683.6	686.8	690.5	695.2	704.4	712.4	724.5
15°	698.2	694.5	691.6	693.1	695.6	700.0	706.2	714.6	729.6	743.5	759.5
17.5°	708.8	708.0	706.9	711.7	713.5	723.7	732.9	748.2	768.7	789.5	812.5
20°	719.0	727.0	731.0	740.5	746.4	760.3	774.2	792.8	818.7	847.2	878.6
22.5°	733.2	755.2	768.7	788.0	797.9	812.9	833.3	857.8	886.7	923.2	963.4
25°	767.2	799.4	826.4	856.7	881.6	904.6	929.1	958.7	1000.3	1033.5	1086.2
27.5°	782.2	827.5	868.0	910.8	948.1	983.5	1022.2	1058.0	1107.3	1152.3	1215.9
30°	767.9	819.1	871.7	927.6	982.0	1035.7	1092.0	1146.8	1203.8	1266.6	1334.2
32.5°	741.6	799.0	858.2	923.9	991.5	1061.3	1134.4	1214.0	1294.4	1372.6	1441.6
35°	715.0	776.7	842.5	917.7	997.4	1084.0	1174.6	1275.4	1381.7	1480.7	1571.0
37.5°	676.2	744.2	819.5	906.4	1001.0	1107.7	1224.3	1348.5	1482.9	1619.2	1737.6
40°	629.5	701.5	783.7	883.8	997.4	1132.2	1283.8	1443.1	1615.9	1782.1	1927.5
42.5°	586.7	656.9	744.6	853.4	987.9	1153.7	1340.4	1538.8	1743.4	1929.4	2119.3
45°	549.1	626.6	714.6	832.2	983.1	1172.0	1382.4	1610.4	1844.6	2066.0	2290.3
47.5°	514.8	595.1	693.8	820.6	980.9	1183.0	1411.7	1657.2	1916.6	2170.9	2431.3
50°	479.3	557.5	663.1	807.8	975.5	1182.6	1427.0	1689.0	1967.0	2252.3	2528.5
52.5°	441.3	519.9	625.8	784.4	963.8	1176.0	1431.0	1710.5	2006.8	2302.4	2611.1
55°	406.6	480.1	586.0	745.3	939.3	1160.0	1421.9	1719.7	2034.9	2352.1	2669.2
57.5°	366.8	443.2	544.0	691.6	893.3	1131.5	1396.0	1706.9	2043.0	2385.3	2715.2
60°	312.0	386.9	490.7	628.0	821.3	1071.2	1347.7	1668.1	2017.4	2391.2	2748.1
62.5°	249.2	313.8	413.9	540.3	720.1	976.6	1258.6	1581.2	1937.8	2336.4	2731.3
65°	185.2	228.3	314.6	425.6	602.8	834.1	1115.0	1435.4	1782.1	2184.0	2625.7
67.5°	129.0	160.0	213.0	295.6	438.4	644.1	910.1	1207.8	1541.4	1902.0	2406.5
70°	97.5	111.8	140.7	186.7	283.9	438.8	661.6	926.9	1236.3	1583.7	2059.1
72.5°	83.3	90.6	106.7	127.9	173.9	266.7	415.4	637.9	912.3	1195.0	1579.7
75°	74.9	81.1	91.3	104.9	123.1	161.8	243.7	403.7	604.3	800.5	1102.2
77.5°	68.0	73.4	82.6	89.5	99.4	116.5	155.3	241.5	362.1	494.7	683.9
80°	60.6	63.9	72.3	79.3	87.0	96.8	111.4	151.6	207.9	293.0	403.3
82.5°	51.9	54.4	60.6	70.1	76.0	80.0	84.4	100.5	124.6	158.9	224.0
85°	40.2	42.0	47.5	54.4	57.0	57.4	58.1	62.5	77.5	119.1	192.9
87.5°	20.5	22.7	28.5	30.7	25.9	28.1	28.5	30.3	40.2	65.4	66.5
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°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	0°
2.5°	636.8	637.9	640.4	640.1	641.9	641.9	641.9	643.7	642.6	643.7	645.6	2.5°
5°	655.1	656.9	660.5	660.5	660.9	659.8	662.0	663.5	661.6	660.9	661.3	5°
7.5°	681.7	684.6	687.6	690.5	692.7	691.6	692.0	688.7	687.9	685.4	682.1	7.5°
10°	707.7	715.7	721.2	726.3	726.7	725.6	725.9	720.5	719.4	714.2	711.0	10°
12.5°	734.3	744.6	753.3	758.8	762.1	762.8	763.2	763.2	758.1	753.7	746.0	12.5°
15°	773.8	791.7	805.2	811.1	815.8	820.2	821.3	822.7	818.7	812.9	811.8	15°
17.5°	836.3	853.1	871.0	886.7	897.3	898.0	907.1	906.4	914.8	908.2	906.4	17.5°
20°	910.4	947.0	965.6	986.4	998.5	1004.3	1025.5	1018.9	1025.1	1035.7	1025.1	20°
22.5°	1003.2	1049.6	1076.7	1105.2	1124.9	1139.1	1154.5	1166.5	1183.3	1191.4	1184.1	22.5°
25°	1126.3	1179.3	1211.5	1250.9	1282.3	1307.9	1334.6	1366.7	1366.4	1385.7	1399.3	25°
27.5°	1267.7	1335.3	1382.1	1451.5	1478.5	1521.6	1567.3	1617.0	1625.8	1651.0	1663.8	27.5°
30°	1400.7	1484.4	1577.2	1659.7	1753.3	1817.2	1870.2	1905.2	1958.2	1945.1	1937.8	30°
32.5°	1523.5	1634.9	1767.2	1902.7	2051.0	2152.2	2245.7	2289.2	2322.1	2252.3	2159.9	32.5°
35°	1682.8	1816.1	1967.4	2134.7	2323.2	2466.8	2563.2	2576.7	2558.1	2468.6	2315.5	35°
37.5°	1880.0	2020.0	2192.0	2368.9	2569.1	2703.9	2813.8	2833.6	2784.3	2624.6	2463.9	37.5°
40°	2074.8	2238.8	2425.5	2634.8	2842.3	2990.7	3101.0	3106.9	3026.5	2839.8	2651.6	40°
42.5°	2287.8	2467.1	2675.0	2907.0	3121.5	3271.6	3351.3	3376.5	3262.9	3023.6	2843.1	42.5°
45°	2471.5	2686.0	2917.6	3164.2	3388.5	3531.0	3612.1	3604.1	3466.7	3230.3	3018.8	45°
47.5°	2650.5	2886.6	3130.6	3392.5	3615.4	3759.4	3842.6	3835.3	3661.1	3388.9	3156.2	47.5°
50°	2809.8	3065.9	3326.8	3606.6	3828.8	3960.7	4062.6	4030.4	3810.1	3516.4	3244.6	50°
52.5°	2920.5	3206.2	3478.8	3781.3	4010.0	4134.9	4264.6	4161.2	3898.2	3594.6	3292.1	52.5°
55°	2990.7	3302.7	3586.9	3921.6	4146.2	4295.7	4379.3	4232.5	3932.2	3616.1	3308.5	55°
57.5°	3038.2	3355.6	3650.5	4002.7	4269.0	4394.3	4414.8	4235.0	3910.2	3582.2	3292.1	57.5°
60°	3061.6	3371.4	3679.3	4059.7	4355.2	4423.9	4386.6	4175.8	3834.6	3482.4	3186.1	60°
62.5°	3059.0	3351.6	3664.4	4078.7	4372.4	4381.2	4296.4	4075.0	3695.4	3273.1	3010.0	62.5°
65°	2994.0	3279.7	3580.0	4008.1	4292.4	4254.8	4148.1	3885.8	3424.7	2999.8	2866.8	65°
67.5°	2806.5	3080.5	3359.3	3777.3	4067.0	4030.4	3869.0	3513.8	3110.1	2758.0	2686.3	67.5°
70°	2493.1	2725.4	2970.2	3337.4	3641.3	3592.0	3309.6	3093.7	2798.5	2478.5	2453.6	70°
72.5°	2084.3	2260.4	2437.9	2711.2	2920.5	2819.7	2642.1	2630.8	2392.2	2147.8	2152.9	72.5°
75°	1630.1	1762.4	1845.3	2006.1	2145.3	2055.0	2065.6	2128.5	2049.9	1857.4	1794.9	75°
77.5°	1181.1	1307.9	1334.2	1429.6	1527.5	1630.1	1766.1	1914.0	1938.9	1830.7	1604.2	77.5°
80°	773.1	912.6	860.7	894.7	1032.5	1219.9	1467.9	1711.6	1795.3	1698.1	1419.3	80°
82.5°	455.9	651.4	568.8	626.9	714.2	877.5	1048.9	1232.7	1372.6	1269.2	1185.5	82.5°
85°	346.3	513.7	544.0	614.5	643.0	649.9	679.9	739.8	812.2	839.2	837.0	85°
87.5°	180.5	399.3	448.3	414.7	386.9	335.4	261.6	281.7	257.6	352.2	333.6	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°
610.5	610.5	610.5	610.5	610.5	610.5	610.5
645.9	644.8	645.6	645.9	645.9	645.9	646.7
660.9	658.0	656.9	656.9	656.5	655.4	655.1
677.0	671.9	670.0	667.8	666.0	664.9	663.1
705.8	701.5	692.3	687.2	682.5	679.2	676.2
744.6	738.4	729.6	723.0	715.7	713.5	709.9
804.5	799.0	791.3	784.0	779.6	772.0	766.5
898.0	887.0	879.4	869.9	859.3	843.6	835.9
1021.1	999.2	983.9	975.5	954.3	951.7	933.1
1162.5	1155.9	1132.6	1122.3	1101.9	1093.8	1064.6
1374.0	1368.9	1321.1	1316.0	1284.5	1261.2	1215.9
1652.1	1610.1	1556.0	1518.4	1464.6	1404.4	1327.3
1895.0	1809.2	1726.6	1638.9	1564.8	1478.2	1390.8
2049.9	1934.8	1828.5	1738.7	1647.0	1543.9	1431.8
2185.8	2069.7	1953.8	1847.5	1736.5	1604.6	1466.1
2348.4	2233.0	2102.5	1953.1	1810.6	1649.1	1480.0
2515.0	2379.8	2216.9	2033.8	1854.8	1671.1	1477.4
2685.6	2512.8	2296.2	2087.6	1883.0	1674.4	1460.3
2824.1	2605.6	2355.0	2115.0	1888.8	1663.0	1438.7
2922.0	2665.2	2381.3	2124.5	1881.5	1645.1	1409.5
2977.9	2697.7	2387.9	2117.5	1866.5	1619.6	1377.7
2998.3	2707.5	2381.3	2103.3	1853.0	1592.2	1355.4
2996.2	2702.1	2357.2	2070.0	1816.8	1555.6	1328.0
2954.9	2651.3	2307.9	2030.2	1786.1	1538.8	1329.8
2884.7	2619.1	2293.2	2038.2	1802.2	1575.0	1387.6
2852.9	2683.4	2375.4	2118.6	1884.8	1678.4	1506.7
2835.0	2787.9	2493.1	2205.2	1982.7	1803.7	1648.8
2762.0	2817.9	2559.9	2254.5	2070.0	1929.4	1790.9
2644.0	2748.1	2509.2	2245.0	2118.2	2025.8	1842.0
2397.7	2507.7	2283.0	2105.1	2058.0	2027.3	1765.3
1942.5	1999.5	1871.6	1831.5	1849.0	1849.4	1480.7
1432.5	1398.2	1340.4	1343.4	1461.4	1443.1	1055.5
1169.5	957.2	875.4	906.4	1052.2	973.6	663.1
1088.3	853.8	704.7	712.0	794.6	627.3	399.3
880.1	778.2	624.0	560.1	543.6	417.9	271.1
368.3	338.7	252.1	227.2	186.3	114.0	51.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)