

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: P158975

Luminaire Tested: **VTS-F02-LED-E1-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158975
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-F02-LED-E1-SLR
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

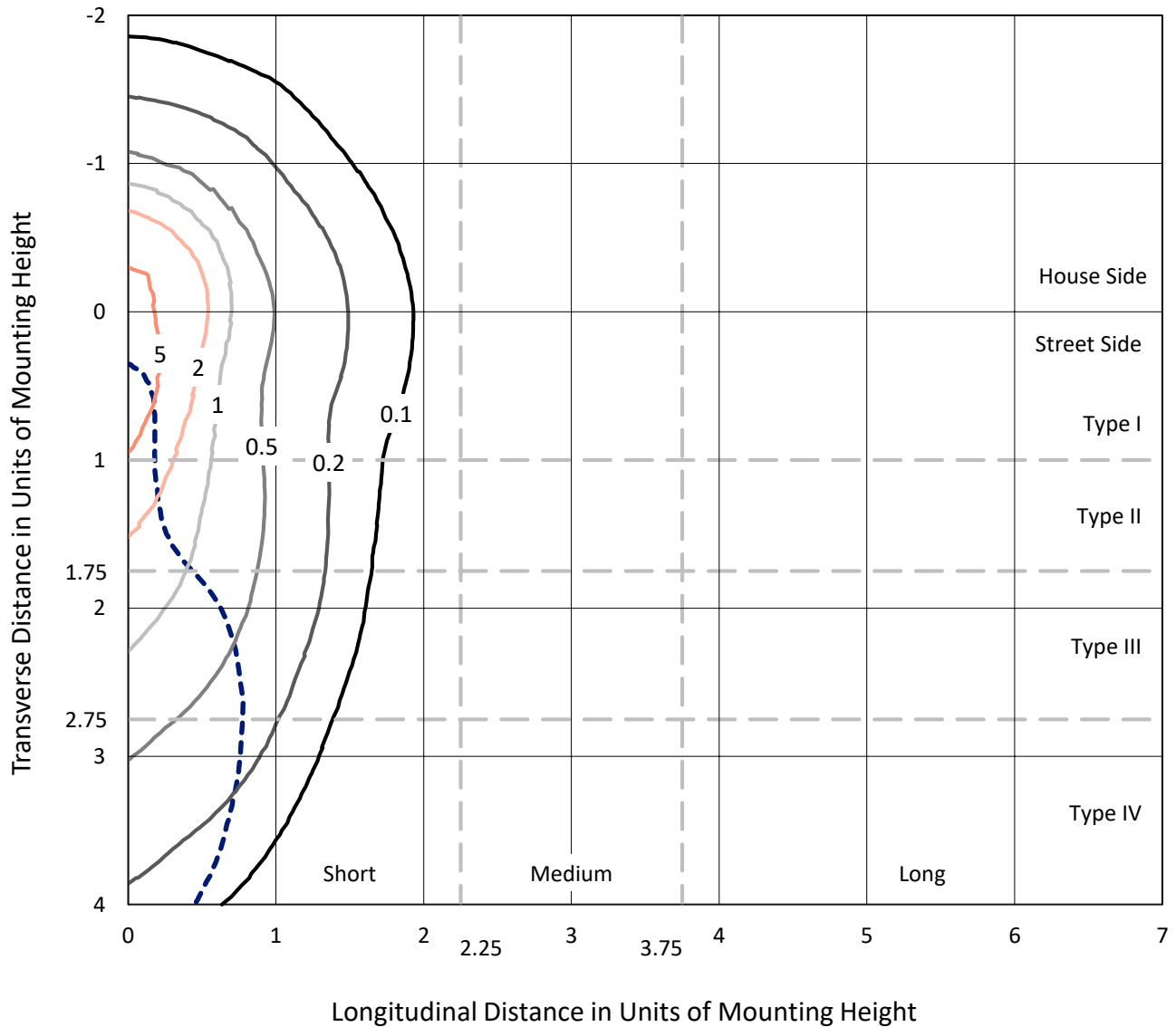
Lumens per Lamp: N/A
Luminaire Lumens: 4436.8 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 55
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

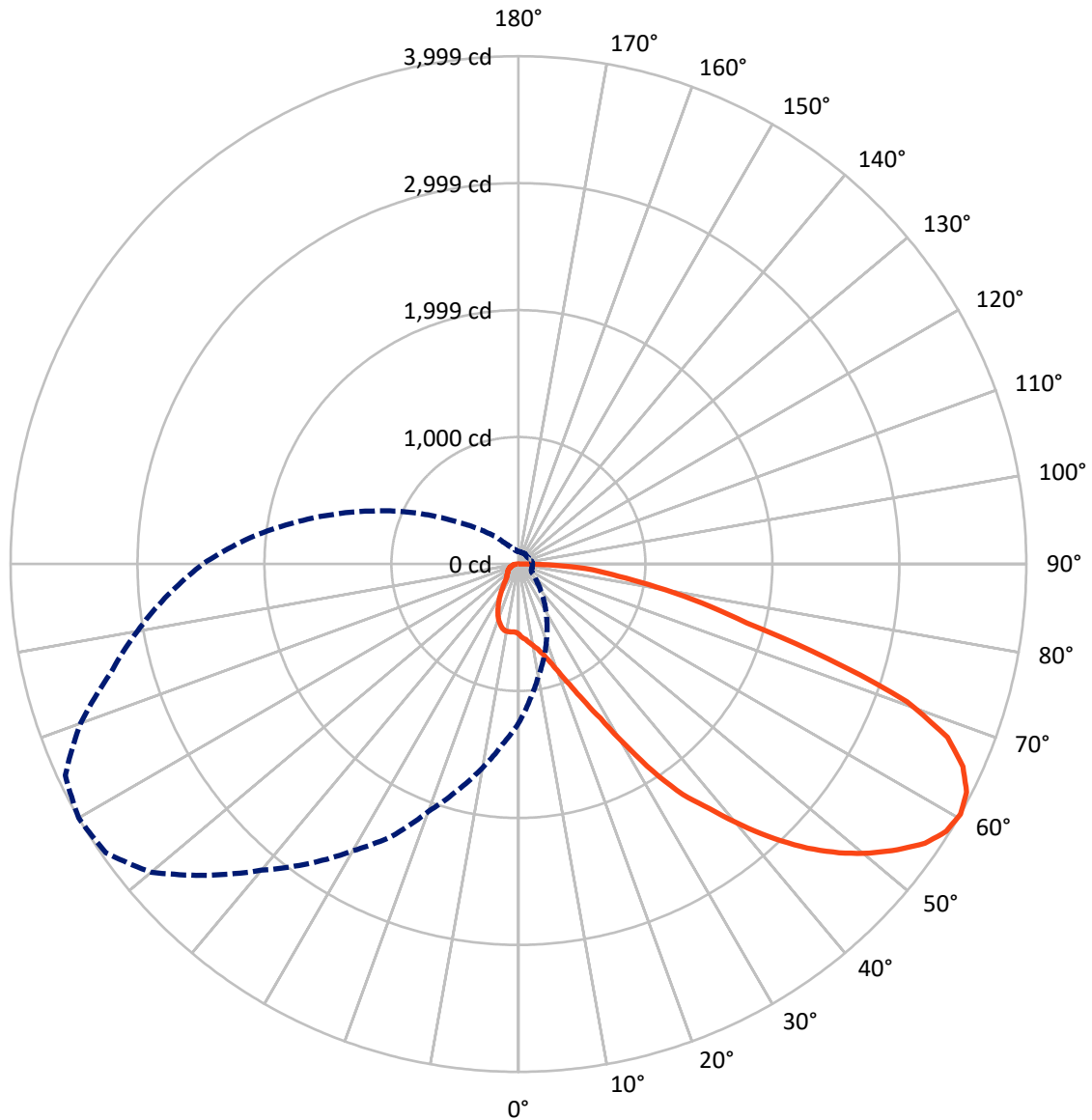
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 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	999.0	0.0	999.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3437.8	0.0	3437.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	4436.8	0.0	4436.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.2
10°-20°	175.8	4.0
20°-30°	333.5	7.5
30°-40°	525.3	11.8
40°-50°	733.1	16.5
50°-60°	906.7	20.4
60°-70°	939.8	21.2
70°-80°	591.4	13.3
80°-90°	176.8	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°	4436.8	100.0
0°-180°	4436.8	100.0



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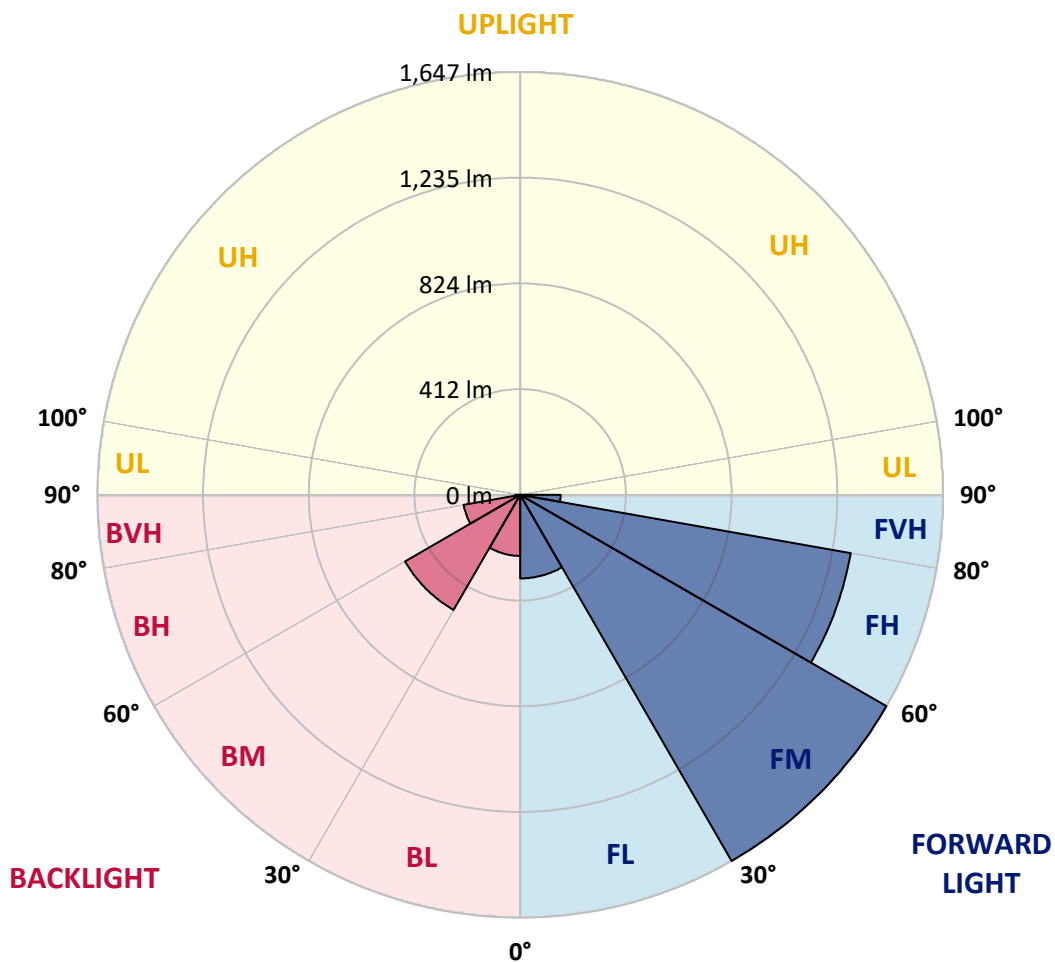
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.7	7.3			
FM	(30°-60°)	1647.0	37.1			
FH	(60°-80°)	1307.5	29.5			G1/1800
FVH	(80°-90°)	157.5	3.6			G2/225
BL	(0°-30°)	238.0	5.4	B1/500		
BM	(30°-60°)	518.1	11.7	B1/1000		
BH	(60°-80°)	223.7	5.0	B1/500		G1/500
BVH	(80°-90°)	19.2	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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	584.5	549.5	550.1	549.1	549.1	548.5	549.1	548.5	547.8	547.8	548.1
5°	592.1	553.4	553.4	552.4	551.8	551.1	551.8	551.1	550.8	550.1	550.5
7.5°	599.3	555.7	554.4	553.1	551.5	552.1	552.1	551.8	552.1	551.8	552.4
10°	611.2	563.3	560.0	557.1	556.7	556.1	556.1	555.1	555.1	554.4	554.8
12.5°	641.6	586.8	583.2	577.9	576.9	573.9	572.3	570.3	567.0	564.0	561.7
15°	692.8	625.7	618.8	614.2	612.2	606.3	597.0	589.8	580.2	571.9	563.3
17.5°	755.5	677.9	669.7	663.7	653.8	637.6	622.1	604.3	585.8	569.0	553.4
20°	843.4	752.9	736.7	722.5	697.7	670.0	640.9	609.9	581.5	555.1	532.3
22.5°	962.2	849.6	819.6	781.6	735.7	688.8	642.6	599.7	561.7	527.3	497.0
25°	1098.9	942.1	887.9	822.6	752.2	687.5	626.7	571.6	527.3	483.1	450.1
27.5°	1199.7	1019.4	939.4	853.6	763.8	681.2	606.6	539.9	486.4	441.2	401.2
30°	1257.1	1063.6	967.5	866.8	765.8	670.7	581.2	503.9	442.2	388.3	350.0
32.5°	1294.1	1087.4	970.5	853.6	742.0	639.3	542.5	462.3	395.3	337.8	297.2
35°	1325.1	1097.0	956.6	824.2	697.1	591.7	493.0	412.8	341.8	288.9	247.3
37.5°	1337.7	1095.3	934.5	784.9	653.2	539.9	442.5	360.3	296.9	250.3	214.6
40°	1335.4	1080.1	904.4	743.0	601.6	485.7	389.0	316.7	265.2	225.9	199.8
42.5°	1319.8	1060.0	871.1	700.4	554.4	440.8	352.7	288.6	247.0	217.3	194.5
45°	1300.4	1035.9	840.7	661.4	517.1	408.8	331.5	280.7	244.7	216.3	191.9
47.5°	1274.0	1009.1	810.0	633.7	497.3	399.2	331.2	285.3	246.7	214.0	187.2
50°	1245.2	989.6	793.2	621.8	495.0	405.2	342.8	292.6	248.0	211.7	181.0
52.5°	1225.1	981.1	792.8	626.1	507.2	421.7	356.3	301.8	252.9	213.0	179.6
55°	1200.3	979.7	801.4	644.6	533.9	449.7	377.8	317.7	263.2	217.9	180.6
57.5°	1202.0	1005.8	834.8	690.1	582.2	487.7	405.2	337.1	273.1	220.9	179.0
60°	1254.1	1066.6	900.5	768.1	645.2	532.3	433.2	347.7	272.4	214.3	171.0
62.5°	1361.8	1157.7	998.9	859.5	709.3	566.6	443.5	344.7	262.5	200.1	158.2
65°	1490.2	1264.4	1094.6	930.5	748.3	574.6	434.6	328.2	242.7	181.6	142.7
67.5°	1618.7	1340.0	1149.8	950.7	732.4	542.5	401.5	291.2	209.0	156.5	125.1
70°	1664.9	1355.5	1145.5	905.4	660.4	463.0	330.5	234.4	167.7	128.1	105.3
72.5°	1595.6	1258.4	1018.4	769.4	536.9	358.9	242.4	173.0	128.1	100.4	85.9
75°	1338.3	1013.4	805.1	579.5	387.7	253.9	175.0	126.1	96.4	79.6	68.7
77.5°	954.0	705.7	548.5	380.7	251.6	176.0	125.5	94.8	76.6	63.7	55.8
80°	599.3	433.2	334.2	228.5	156.8	119.5	90.1	75.0	61.7	51.8	46.6
82.5°	360.9	252.3	196.8	142.0	103.0	81.9	66.4	58.8	49.2	42.9	40.0
85°	245.0	185.6	129.1	83.9	62.1	48.2	45.2	40.6	36.7	30.7	29.7
87.5°	46.9	66.4	57.8	34.3	22.8	19.5	17.2	16.5	14.9	11.9	13.5
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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	546.2	545.5	544.2	544.2	543.2	541.2	540.9	539.6	537.9	538.2	537.9
5°	548.1	546.8	545.2	544.5	543.2	541.2	540.2	538.6	536.9	536.9	536.9
7.5°	550.5	548.8	547.5	545.2	542.5	540.6	537.9	535.9	534.9	534.6	534.9
10°	552.4	551.5	549.5	546.2	542.5	538.6	535.9	533.3	530.6	531.0	531.3
12.5°	556.7	553.4	548.1	543.2	537.6	532.6	528.0	524.7	521.4	521.4	521.7
15°	553.8	544.2	536.9	527.3	521.1	513.1	507.9	504.9	502.9	502.2	502.6
17.5°	536.3	524.7	513.8	505.2	496.6	490.4	488.1	486.1	483.4	484.7	483.4
20°	509.8	495.6	480.1	469.9	459.7	455.4	451.4	449.4	447.8	453.7	453.7
22.5°	471.9	454.7	438.8	426.3	414.7	410.1	406.2	403.8	404.8	412.1	412.8
25°	424.0	403.2	382.4	374.8	363.2	359.6	357.3	357.0	357.9	365.2	366.9
27.5°	373.1	351.3	333.5	316.0	310.7	307.8	303.5	308.4	309.4	317.3	320.6
30°	319.0	295.5	276.7	265.2	253.9	255.6	252.0	257.9	260.5	268.8	271.4
32.5°	263.5	241.4	222.6	211.0	203.1	204.1	201.4	206.7	209.4	219.3	224.2
35°	217.9	199.1	183.9	174.0	170.4	166.8	166.1	166.8	169.4	177.0	185.9
37.5°	191.9	176.3	165.4	158.2	153.2	150.9	149.6	149.6	149.6	151.2	155.5
40°	180.6	166.8	157.2	150.2	146.9	145.6	144.6	143.6	142.0	141.3	141.7
42.5°	175.7	159.8	149.6	144.3	142.3	142.3	142.3	141.7	140.0	138.4	136.7
45°	170.7	153.5	143.3	139.7	138.7	139.0	139.0	139.0	137.7	135.7	132.7
47.5°	164.4	146.6	136.4	134.1	134.1	135.1	135.4	135.4	134.1	132.1	129.8
50°	156.8	137.7	128.5	126.5	125.5	125.5	125.5	125.5	124.5	123.2	121.5
52.5°	152.9	132.7	123.2	121.2	121.2	120.2	119.9	118.9	117.9	116.9	114.6
55°	151.6	130.8	120.9	119.2	119.2	118.2	117.2	116.2	114.6	112.9	110.6
57.5°	147.9	126.5	117.9	116.6	116.6	115.9	114.9	113.9	112.3	110.0	107.0
60°	139.7	119.2	111.9	111.6	111.6	111.3	110.6	110.6	109.0	106.7	103.0
62.5°	129.1	111.6	104.7	104.7	104.3	104.0	102.7	102.4	100.4	97.4	94.1
65°	118.9	105.0	100.4	99.1	98.4	97.4	96.8	95.1	93.4	90.8	87.5
67.5°	106.0	95.1	92.1	90.8	89.5	88.5	87.5	86.5	84.5	82.6	79.9
70°	92.1	84.2	82.6	82.2	80.6	79.6	79.3	78.3	76.3	74.3	71.0
72.5°	78.9	74.3	73.0	73.0	71.0	69.7	69.0	68.7	67.4	65.7	62.7
75°	63.7	60.4	60.1	61.7	61.7	60.8	60.1	60.8	58.8	57.8	54.8
77.5°	52.2	50.5	49.5	50.2	52.2	51.2	49.9	49.9	49.9	48.2	47.2
80°	44.2	42.9	41.9	42.6	42.3	41.9	41.3	40.0	40.0	40.0	39.6
82.5°	40.0	39.6	36.0	36.0	34.7	33.7	33.0	32.4	31.7	31.7	33.4
85°	30.0	31.0	29.1	28.7	27.1	25.8	24.4	23.8	23.1	24.1	27.4
87.5°	14.5	14.5	13.9	15.5	14.2	13.5	12.5	11.9	12.5	15.5	18.5
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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	537.3	536.9	536.6	535.9	534.6	534.3	533.6	533.6	533.3	532.6	533.3
5°	536.3	536.9	536.9	536.6	535.6	536.3	536.3	537.3	537.3	537.9	539.6
7.5°	534.9	536.6	537.9	538.9	540.2	541.2	543.2	546.2	547.5	549.8	550.8
10°	532.3	535.3	537.6	540.6	543.9	547.5	550.5	555.1	556.7	560.0	561.7
12.5°	524.7	529.7	533.6	539.6	545.2	550.8	556.1	562.0	565.0	568.6	570.9
15°	506.2	511.8	517.4	522.7	532.6	543.5	552.1	560.0	564.3	569.0	571.3
17.5°	484.1	487.7	492.3	499.3	508.9	518.4	532.3	543.5	550.1	555.4	556.1
20°	458.3	463.6	466.9	469.6	477.2	483.8	498.6	511.5	520.1	526.4	528.0
22.5°	419.0	424.7	430.3	432.2	438.2	446.8	455.0	468.9	481.1	490.4	496.0
25°	374.1	379.4	387.0	392.9	394.3	401.2	409.5	425.3	437.9	452.7	459.3
27.5°	329.2	333.8	342.1	345.4	349.4	356.3	362.9	376.1	389.3	406.5	413.8
30°	276.7	286.6	296.2	302.5	305.8	314.0	318.7	331.5	343.7	356.3	366.9
32.5°	231.8	240.7	251.6	259.5	263.5	269.8	277.0	287.9	297.5	309.7	322.0
35°	190.5	202.7	210.0	216.9	227.2	230.2	237.4	247.3	252.9	266.1	280.0
37.5°	161.5	168.7	176.0	182.9	191.5	195.5	202.4	210.7	217.3	225.2	237.8
40°	143.6	147.6	152.9	157.5	163.8	168.7	172.4	179.3	184.3	192.2	201.1
42.5°	135.4	136.4	137.0	140.3	143.6	146.9	150.9	153.9	159.8	165.8	171.4
45°	130.8	128.8	127.8	128.1	129.4	131.4	134.7	138.0	142.0	145.6	148.9
47.5°	126.8	124.2	121.2	119.5	119.9	120.5	123.2	125.8	127.8	130.8	132.1
50°	117.6	115.2	112.6	110.3	110.6	111.0	113.3	115.2	116.6	117.6	119.2
52.5°	111.6	108.3	106.0	103.7	103.4	104.3	106.3	108.3	109.0	109.6	110.0
55°	107.3	104.0	101.0	98.7	97.7	100.1	100.7	103.4	104.3	104.3	104.7
57.5°	104.0	100.1	97.1	94.8	93.1	94.8	96.4	99.4	99.7	99.1	99.1
60°	99.1	96.1	93.1	90.8	89.2	90.5	91.8	95.1	95.1	93.4	93.1
62.5°	90.5	88.8	86.8	85.9	85.5	86.8	87.8	90.5	89.5	87.5	86.8
65°	84.2	82.9	80.9	80.2	79.9	81.9	82.2	83.9	82.6	81.6	81.2
67.5°	76.6	75.6	74.6	74.3	73.3	73.3	74.0	75.0	74.3	74.3	74.6
70°	68.0	66.7	65.7	66.0	65.4	65.4	65.7	66.4	66.0	66.7	67.4
72.5°	60.1	58.4	58.1	58.1	57.5	57.8	57.8	58.1	58.8	59.1	60.8
75°	52.5	50.9	50.9	50.5	50.5	50.5	50.9	51.5	52.2	52.5	53.2
77.5°	45.6	44.6	44.9	44.6	44.6	44.6	44.6	45.6	45.9	46.2	47.2
80°	39.3	39.3	39.6	39.6	39.3	39.0	39.3	40.0	40.3	40.6	40.9
82.5°	35.7	36.0	36.0	36.0	34.3	33.7	34.7	35.3	36.0	36.3	37.0
85°	30.7	29.4	30.7	30.4	28.1	27.7	27.7	28.1	28.7	28.1	28.1
87.5°	19.8	17.8	18.8	18.8	16.5	13.5	17.2	18.5	16.5	17.5	17.5
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	534.3	533.6	533.9	533.9	534.6	533.6	534.9	536.3	536.6	536.6	536.9
5°	541.2	540.6	542.9	541.9	544.2	543.9	545.5	546.8	547.5	547.5	547.5
7.5°	552.1	554.4	555.7	559.4	559.7	561.7	563.3	565.0	564.3	564.7	564.3
10°	564.3	567.3	570.6	574.2	574.6	576.9	579.5	581.2	580.5	580.2	579.2
12.5°	574.9	576.9	580.8	584.5	586.5	590.1	592.7	594.0	594.0	593.1	592.1
15°	574.2	577.2	581.5	586.8	590.4	595.7	600.3	603.3	603.6	602.6	602.3
17.5°	559.7	564.0	568.0	575.2	581.8	589.1	596.7	601.0	604.9	607.3	608.6
20°	533.6	538.9	544.5	554.1	563.0	572.6	581.5	587.8	593.7	600.7	608.9
22.5°	502.9	510.8	518.8	531.0	541.9	552.8	563.0	570.6	579.8	591.7	607.3
25°	466.9	475.2	485.1	499.3	513.1	529.0	544.2	559.4	577.2	597.7	621.8
27.5°	424.3	433.6	446.4	463.6	479.5	495.6	519.4	543.5	572.6	599.0	626.4
30°	382.1	393.9	407.8	425.0	440.8	463.9	487.7	517.4	548.1	577.9	610.6
32.5°	336.5	351.3	368.5	382.7	400.5	424.0	447.8	479.5	512.2	547.2	583.2
35°	292.6	306.8	320.3	336.2	354.0	376.1	399.2	429.6	470.9	508.2	551.1
37.5°	248.0	261.2	270.8	283.3	298.8	323.3	348.0	383.0	422.0	467.9	510.8
40°	209.0	219.9	230.8	240.7	253.9	277.0	303.5	337.8	376.1	420.7	468.6
42.5°	178.0	186.2	198.1	210.0	221.2	241.1	265.8	299.5	337.5	383.0	430.9
45°	151.9	157.5	167.1	177.0	190.9	207.4	231.1	265.5	304.1	350.0	400.5
47.5°	133.1	135.7	142.3	152.6	165.4	181.6	202.1	233.1	270.8	317.0	370.2
50°	120.2	123.2	126.5	135.1	146.6	163.1	180.0	207.0	241.4	286.6	339.5
52.5°	111.3	112.6	113.9	119.2	129.8	143.6	161.5	181.9	216.6	259.9	307.4
55°	106.0	106.3	107.3	110.0	117.9	130.8	146.3	165.8	192.8	233.8	282.3
57.5°	99.7	100.4	101.4	103.0	108.0	119.5	132.7	148.6	171.0	205.4	252.0
60°	93.8	95.4	97.1	98.1	100.7	107.6	118.9	131.4	149.6	175.3	212.3
62.5°	87.5	89.5	90.8	91.8	92.8	97.1	105.3	113.6	124.8	141.7	169.4
65°	81.9	83.2	84.2	84.9	85.5	86.8	90.5	93.8	97.1	107.3	127.5
67.5°	75.6	76.3	76.6	76.9	76.6	76.6	76.9	78.3	79.6	83.5	93.1
70°	68.4	69.3	69.3	69.7	69.7	68.7	68.7	68.7	68.7	69.7	75.0
72.5°	61.4	62.7	62.7	63.1	62.7	62.4	62.4	62.4	63.4	64.1	66.0
75°	54.8	56.1	55.8	56.1	56.5	56.5	57.1	57.5	58.4	58.8	60.1
77.5°	48.2	49.2	49.5	49.2	49.9	50.5	51.8	52.5	52.8	53.2	53.5
80°	41.9	42.6	42.3	41.3	42.9	43.9	45.9	48.2	47.6	47.9	48.5
82.5°	34.7	33.7	33.0	33.7	34.7	36.0	38.0	40.9	41.3	42.9	42.6
85°	26.7	23.8	23.4	25.1	24.8	26.4	29.7	32.0	34.0	35.7	34.0
87.5°	15.9	14.2	11.9	11.2	12.2	16.2	16.8	20.5	22.1	22.8	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	567.0	568.6	568.6	569.3	570.3	570.6	571.9	574.2	574.6	574.6	575.6
5°	577.5	579.2	579.2	580.5	580.8	582.5	584.1	586.8	588.1	587.8	592.1
7.5°	594.7	593.4	592.4	594.4	595.4	597.3	600.7	603.0	605.3	608.9	614.9
10°	609.2	607.3	606.3	607.6	608.2	610.6	612.5	615.8	621.5	627.1	634.3
12.5°	621.1	618.8	616.2	616.8	617.8	620.8	624.1	628.4	636.6	643.9	654.8
15°	631.0	627.7	625.1	626.4	628.7	632.7	638.3	645.9	659.4	672.0	686.5
17.5°	640.6	639.9	639.0	643.2	644.9	654.1	662.4	676.3	694.8	713.6	734.4
20°	649.9	657.1	660.8	669.3	674.6	687.2	699.7	716.6	740.0	765.8	794.2
22.5°	662.7	682.5	694.8	712.3	721.2	734.7	753.2	775.3	801.4	834.4	870.8
25°	693.4	722.5	746.9	774.3	796.8	817.6	839.7	866.5	904.1	934.2	981.7
27.5°	707.0	747.9	784.6	823.2	856.9	888.9	923.9	956.3	1000.9	1041.5	1098.9
30°	694.1	740.3	787.9	838.4	887.6	936.1	987.0	1036.5	1088.0	1144.8	1205.9
32.5°	670.3	722.2	775.7	835.1	896.2	959.3	1025.3	1097.3	1169.9	1240.6	1303.0
35°	646.2	702.0	761.5	829.5	901.5	979.7	1061.6	1152.8	1248.9	1338.3	1419.9
37.5°	611.2	672.6	740.7	819.3	904.8	1001.2	1106.5	1218.8	1340.3	1463.5	1570.5
40°	569.0	634.0	708.3	798.8	901.5	1023.3	1160.4	1304.3	1460.5	1610.8	1742.2
42.5°	530.3	593.7	673.0	771.4	892.9	1042.8	1211.5	1390.8	1575.8	1743.8	1915.5
45°	496.3	566.3	645.9	752.2	888.6	1059.3	1249.5	1455.6	1667.2	1867.3	2070.1
47.5°	465.3	537.9	627.1	741.7	886.6	1069.2	1275.9	1497.8	1732.3	1962.1	2197.5
50°	433.2	503.9	599.3	730.1	881.7	1068.9	1289.8	1526.6	1777.9	2035.7	2285.4
52.5°	398.9	469.9	565.6	709.0	871.1	1062.9	1293.4	1546.0	1813.8	2081.0	2360.0
55°	367.5	433.9	529.7	673.6	849.0	1048.4	1285.2	1554.3	1839.3	2125.9	2412.5
57.5°	331.5	400.5	491.7	625.1	807.4	1022.7	1261.7	1542.7	1846.5	2155.9	2454.1
60°	282.0	349.7	443.5	567.6	742.3	968.2	1218.1	1507.7	1823.4	2161.2	2483.8
62.5°	225.2	283.7	374.1	488.4	650.8	882.7	1137.6	1429.1	1751.4	2111.7	2468.6
65°	167.4	206.4	284.3	384.7	544.8	753.9	1007.8	1297.4	1610.8	1974.0	2373.2
67.5°	116.6	144.6	192.5	267.1	396.3	582.2	822.6	1091.7	1393.2	1719.1	2175.1
70°	88.2	101.0	127.1	168.7	256.6	396.6	598.0	837.7	1117.4	1431.5	1861.1
72.5°	75.3	81.9	96.4	115.6	157.2	241.1	375.4	576.5	824.5	1080.1	1427.8
75°	67.7	73.3	82.6	94.8	111.3	146.3	220.3	364.9	546.2	723.5	996.2
77.5°	61.4	66.4	74.6	80.9	89.8	105.3	140.3	218.3	327.2	447.1	618.2
80°	54.8	57.8	65.4	71.7	78.6	87.5	100.7	137.0	187.9	264.8	364.6
82.5°	46.9	49.2	54.8	63.4	68.7	72.3	76.3	90.8	112.6	143.6	202.4
85°	36.3	38.0	42.9	49.2	51.5	51.8	52.5	56.5	70.0	107.6	174.4
87.5°	18.5	20.5	25.8	27.7	23.4	25.4	25.8	27.4	36.3	59.1	60.1
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	0°
2.5°	575.6	576.5	578.9	578.5	580.2	580.2	580.2	581.8	580.8	581.8	583.5	2.5°
5°	592.1	593.7	597.0	597.0	597.3	596.4	598.3	599.7	598.0	597.3	597.7	5°
7.5°	616.2	618.8	621.5	624.1	626.1	625.1	625.4	622.4	621.8	619.5	616.5	7.5°
10°	639.6	646.9	651.8	656.5	656.8	655.8	656.1	651.2	650.2	645.6	642.6	10°
12.5°	663.7	673.0	680.9	685.8	688.8	689.5	689.8	689.8	685.2	681.2	674.3	12.5°
15°	699.4	715.6	727.8	733.1	737.4	741.3	742.3	743.6	740.0	734.7	733.7	15°
17.5°	755.9	771.0	787.2	801.4	811.0	811.7	819.9	819.3	826.8	820.9	819.3	17.5°
20°	822.9	855.9	872.7	891.6	902.5	907.7	926.9	921.0	926.6	936.1	926.6	20°
22.5°	906.8	948.7	973.1	998.9	1016.7	1029.6	1043.5	1054.4	1069.6	1076.8	1070.2	22.5°
25°	1018.0	1065.9	1095.0	1130.6	1159.0	1182.2	1206.3	1235.3	1235.0	1252.5	1264.7	25°
27.5°	1145.8	1206.9	1249.2	1311.9	1336.4	1375.3	1416.6	1461.5	1469.4	1492.2	1503.8	27.5°
30°	1266.0	1341.6	1425.5	1500.1	1584.7	1642.5	1690.3	1722.0	1769.9	1758.0	1751.4	30°
32.5°	1377.0	1477.7	1597.2	1719.7	1853.8	1945.3	2029.8	2069.1	2098.8	2035.7	1952.2	32.5°
35°	1520.9	1641.5	1778.2	1929.4	2099.8	2229.6	2316.8	2329.0	2312.1	2231.2	2092.9	35°
37.5°	1699.3	1825.7	1981.3	2141.1	2322.0	2443.9	2543.3	2561.1	2516.5	2372.2	2226.9	37.5°
40°	1875.3	2023.5	2192.3	2381.5	2569.0	2703.1	2802.8	2808.1	2735.5	2566.7	2396.7	40°
42.5°	2067.8	2229.9	2417.8	2627.5	2821.3	2957.0	3029.0	3051.8	2949.1	2732.8	2569.7	42.5°
45°	2233.9	2427.7	2637.1	2859.9	3062.7	3191.5	3264.8	3257.5	3133.4	2919.7	2728.5	45°
47.5°	2395.7	2609.0	2829.6	3066.3	3267.8	3397.9	3473.1	3466.5	3309.0	3063.0	2852.7	47.5°
50°	2539.6	2771.1	3006.9	3259.8	3460.6	3579.8	3671.9	3642.9	3443.8	3178.3	2932.6	50°
52.5°	2639.7	2897.9	3144.3	3417.7	3624.4	3737.3	3854.5	3761.1	3523.3	3248.9	2975.5	52.5°
55°	2703.1	2985.1	3242.0	3544.5	3747.6	3882.6	3958.2	3825.5	3554.0	3268.4	2990.4	55°
57.5°	2746.0	3033.0	3299.5	3617.8	3858.5	3971.8	3990.3	3827.8	3534.2	3237.7	2975.5	57.5°
60°	2767.2	3047.2	3325.5	3669.3	3936.4	3998.5	3964.8	3774.3	3465.9	3147.6	2879.8	60°
62.5°	2764.8	3029.3	3312.0	3686.5	3952.0	3959.9	3883.3	3683.2	3340.1	2958.4	2720.6	62.5°
65°	2706.1	2964.3	3235.7	3622.7	3879.6	3845.6	3749.2	3512.1	3095.4	2711.4	2591.2	65°
67.5°	2536.7	2784.3	3036.3	3414.0	3675.9	3642.9	3496.9	3176.0	2811.1	2492.8	2428.0	67.5°
70°	2253.4	2463.4	2684.6	3016.5	3291.2	3246.6	2991.4	2796.2	2529.4	2240.1	2217.7	70°
72.5°	1883.8	2043.0	2203.5	2450.5	2639.7	2548.6	2388.1	2377.8	2162.2	1941.3	1945.9	72.5°
75°	1473.4	1592.9	1667.9	1813.2	1939.0	1857.4	1867.0	1923.8	1852.8	1678.8	1622.3	75°
77.5°	1067.6	1182.2	1205.9	1292.1	1380.6	1473.4	1596.2	1730.0	1752.4	1654.7	1450.0	77.5°
80°	698.7	824.9	778.0	808.7	933.2	1102.6	1326.8	1547.0	1622.7	1534.8	1282.9	80°
82.5°	412.1	588.8	514.1	566.6	645.6	793.2	948.0	1114.1	1240.6	1147.1	1071.5	82.5°
85°	313.0	464.3	491.7	555.4	581.2	587.4	614.5	668.7	734.1	758.5	756.5	85°
87.5°	163.1	360.9	405.2	374.8	349.7	303.1	236.4	254.6	232.8	318.3	301.5	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°
551.8	551.8	551.8	551.8	551.8	551.8	551.8
583.8	582.8	583.5	583.8	583.8	583.8	584.5
597.3	594.7	593.7	593.7	593.4	592.4	592.1
611.9	607.3	605.6	603.6	602.0	601.0	599.3
638.0	634.0	625.7	621.1	616.8	613.9	611.2
673.0	667.4	659.4	653.5	646.9	644.9	641.6
727.1	722.2	715.2	708.6	704.7	697.7	692.8
811.7	801.7	794.8	786.2	776.7	762.5	755.5
922.9	903.1	889.3	881.7	862.5	860.2	843.4
1050.7	1044.8	1023.7	1014.4	995.9	988.6	962.2
1241.9	1237.3	1194.0	1189.4	1161.0	1139.9	1098.9
1493.2	1455.2	1406.4	1372.4	1323.8	1269.3	1199.7
1712.8	1635.2	1560.6	1481.3	1414.3	1336.0	1257.1
1852.8	1748.8	1652.7	1571.5	1488.6	1395.5	1294.1
1975.6	1870.6	1766.0	1669.9	1569.5	1450.3	1325.1
2122.6	2018.2	1900.4	1765.3	1636.5	1490.6	1337.7
2273.2	2151.0	2003.7	1838.3	1676.5	1510.4	1335.4
2427.4	2271.2	2075.4	1886.8	1701.9	1513.4	1319.8
2552.5	2355.1	2128.5	1911.6	1707.2	1503.1	1300.4
2641.0	2408.9	2152.3	1920.2	1700.6	1486.9	1274.0
2691.5	2438.3	2158.3	1913.9	1687.0	1463.8	1245.2
2710.0	2447.2	2152.3	1901.0	1674.8	1439.1	1225.1
2708.1	2442.2	2130.5	1871.0	1642.1	1406.0	1200.3
2670.7	2396.3	2085.9	1835.0	1614.4	1390.8	1202.0
2607.3	2367.3	2072.7	1842.2	1628.9	1423.5	1254.1
2578.6	2425.4	2147.0	1914.9	1703.6	1517.0	1361.8
2562.4	2519.8	2253.4	1993.1	1792.0	1630.2	1490.2
2496.4	2546.9	2313.8	2037.7	1871.0	1743.8	1618.7
2389.7	2483.8	2267.9	2029.1	1914.6	1831.0	1664.9
2167.2	2266.6	2063.5	1902.7	1860.1	1832.3	1595.6
1755.7	1807.2	1691.7	1655.3	1671.2	1671.5	1338.3
1294.8	1263.7	1211.5	1214.2	1320.8	1304.3	954.0
1057.0	865.2	791.2	819.3	951.0	880.0	599.3
983.7	771.7	637.0	643.6	718.2	567.0	360.9
795.5	703.3	564.0	506.2	491.4	377.8	245.0
332.9	306.1	227.8	205.4	168.4	103.0	46.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)