

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: P158970

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158970
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
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

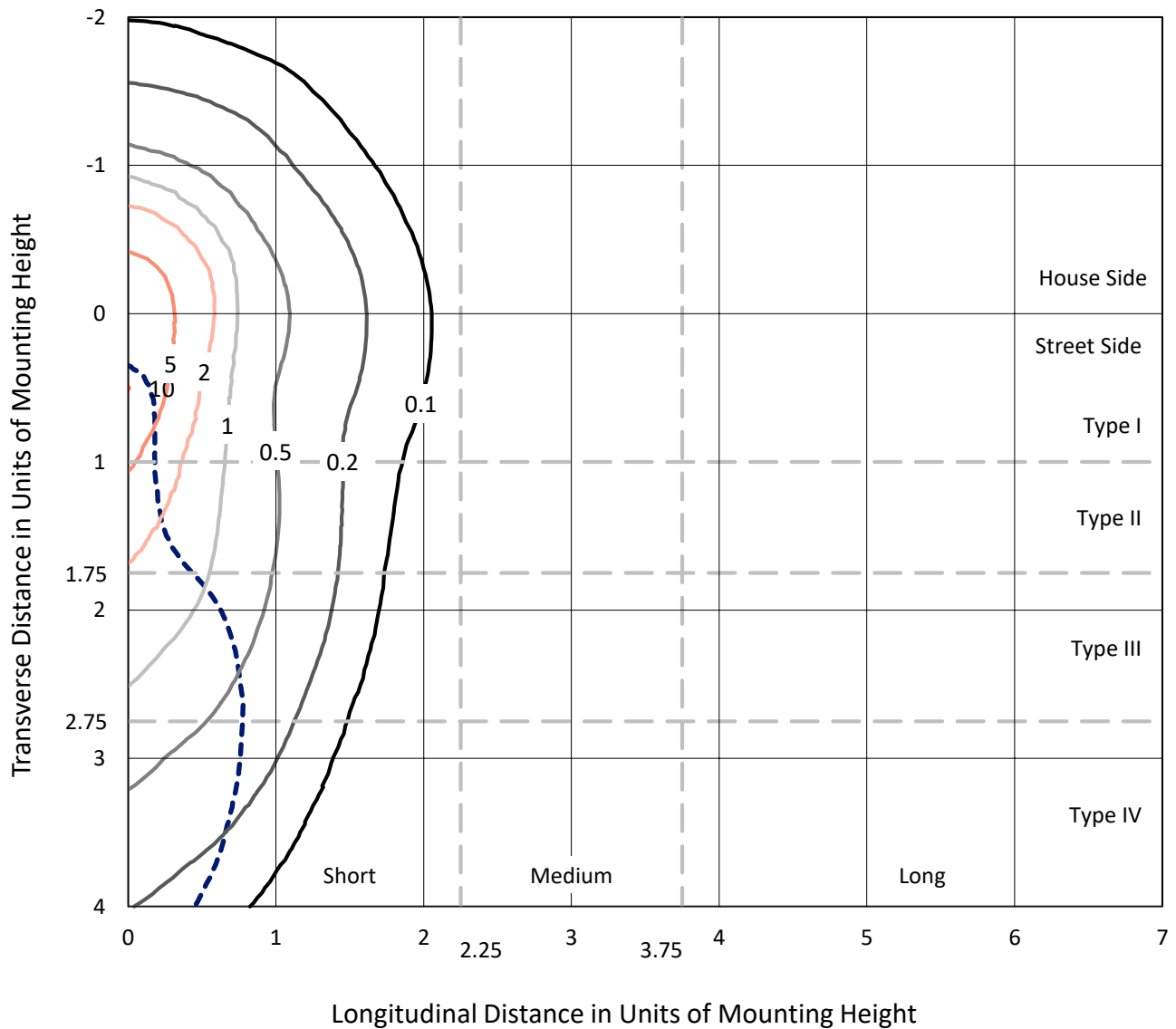
Lumens per Lamp: N/A
Luminaire Lumens: 5374.6 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

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

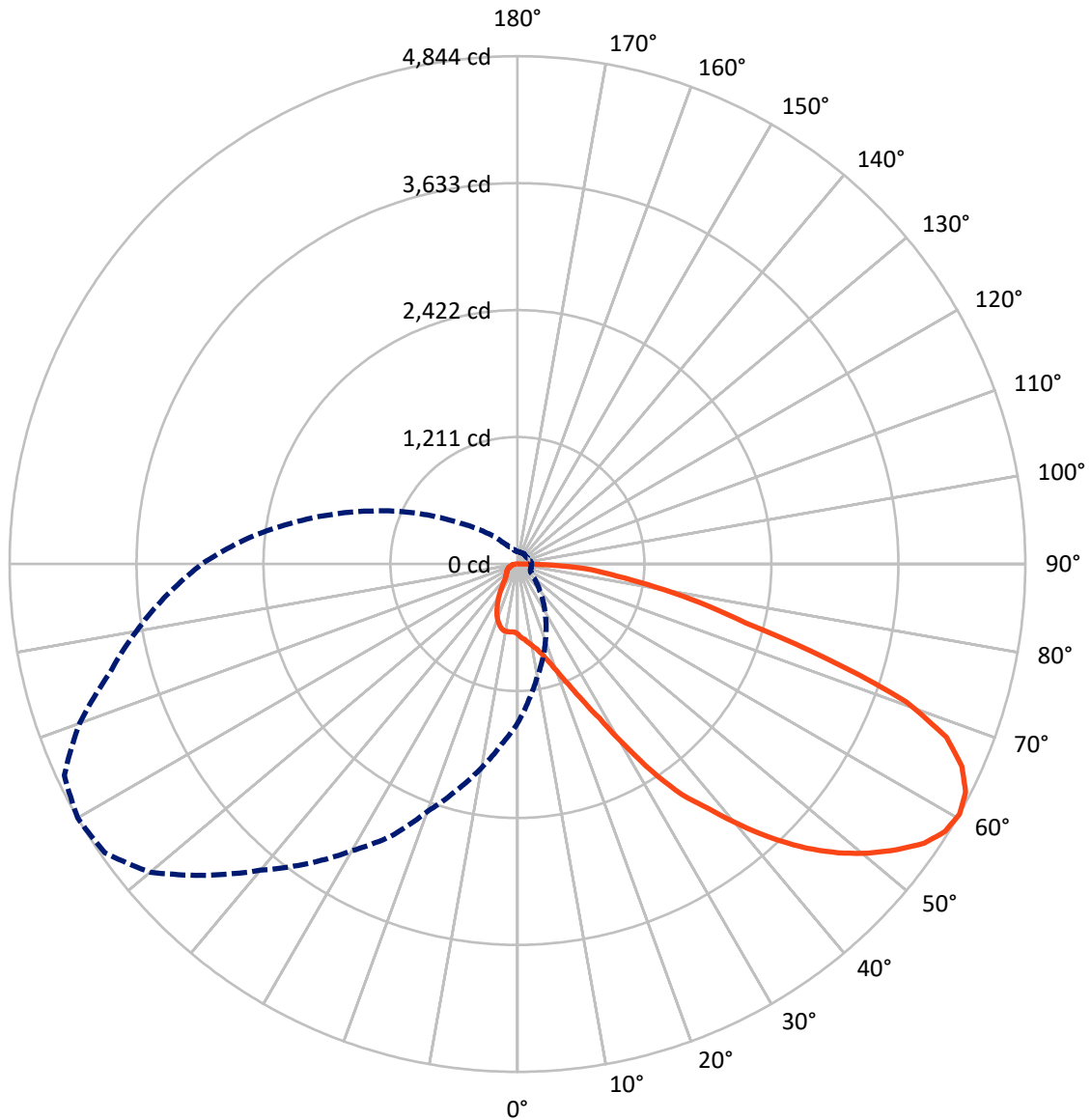
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 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	1210.2	0.0	1210.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4164.4	0.0	4164.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	5374.6	0.0	5374.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.2
10°-20°	212.9	4.0
20°-30°	404.0	7.5
30°-40°	636.3	11.8
40°-50°	888.1	16.5
50°-60°	1098.3	20.4
60°-70°	1138.5	21.2
70°-80°	716.4	13.3
80°-90°	214.1	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°	5374.6	100.0
0°-180°	5374.6	100.0



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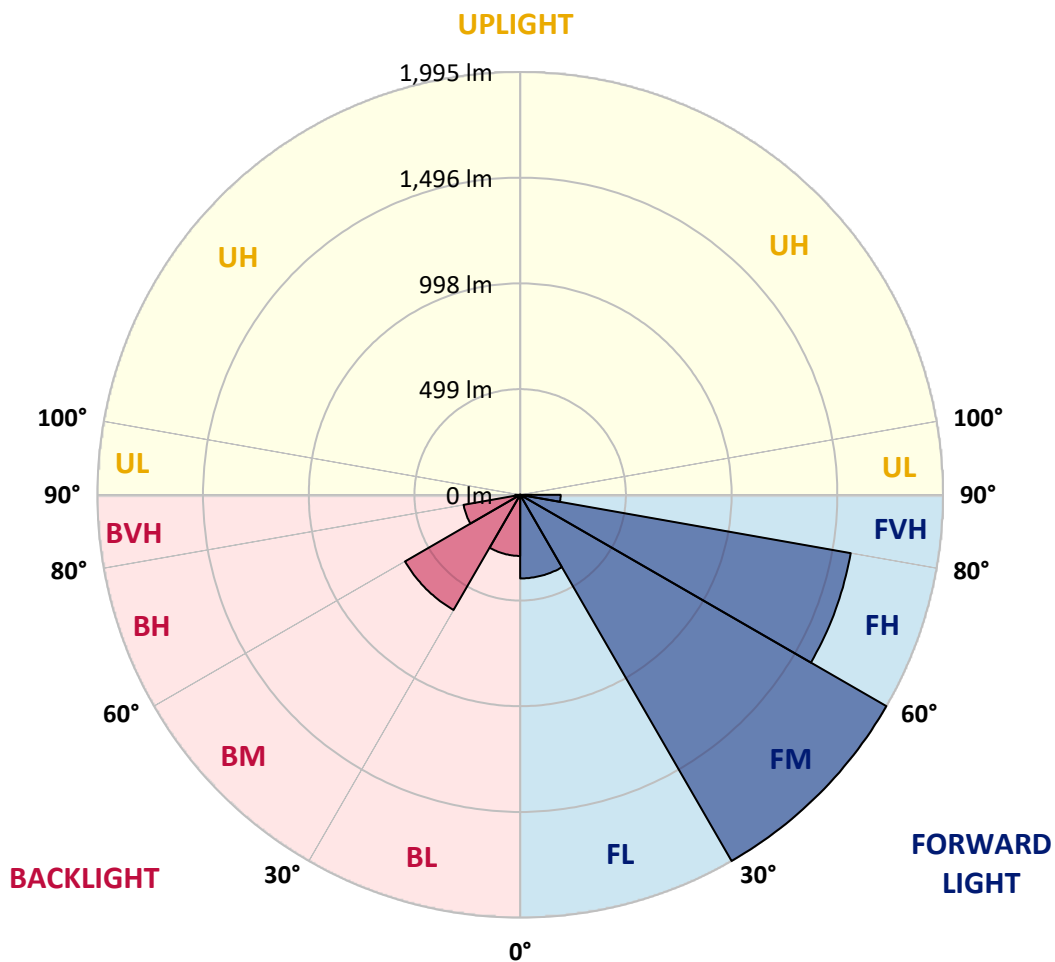
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	394.6	7.3			
FM	(30°-60°)	1995.1	37.1			
FH	(60°-80°)	1583.8	29.5			G1/1800
FVH	(80°-90°)	190.8	3.6			G2/225
BL	(0°-30°)	288.3	5.4	B1/500		
BM	(30°-60°)	627.6	11.7	B1/1000		
BH	(60°-80°)	271.0	5.0	B1/500		G1/500
BVH	(80°-90°)	23.3	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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	708.0	665.6	666.4	665.2	665.2	664.4	665.2	664.4	663.6	663.6	664.0
5°	717.2	670.4	670.4	669.2	668.4	667.6	668.4	667.6	667.2	666.4	666.8
7.5°	726.0	673.2	671.6	670.0	668.0	668.8	668.8	668.4	668.8	668.4	669.2
10°	740.4	682.4	678.4	674.8	674.4	673.6	673.6	672.4	672.4	671.6	672.0
12.5°	777.2	710.8	706.4	700.0	698.8	695.2	693.2	690.8	686.8	683.2	680.4
15°	839.2	758.0	749.6	744.0	741.6	734.4	723.2	714.4	702.8	692.8	682.4
17.5°	915.2	821.2	811.2	804.0	792.0	772.4	753.6	732.0	709.6	689.2	670.4
20°	1021.6	912.0	892.4	875.2	845.2	811.6	776.4	738.8	704.4	672.4	644.8
22.5°	1165.6	1029.2	992.8	946.8	891.2	834.4	778.4	726.4	680.4	638.8	602.0
25°	1331.2	1141.2	1075.6	996.4	911.2	832.8	759.2	692.4	638.8	585.2	545.2
27.5°	1453.2	1234.8	1138.0	1034.0	925.2	825.2	734.8	654.0	589.2	534.4	486.0
30°	1522.8	1288.4	1172.0	1050.0	927.6	812.4	704.0	610.4	535.6	470.4	424.0
32.5°	1567.6	1317.2	1175.6	1034.0	898.8	774.4	657.2	560.0	478.8	409.2	360.0
35°	1605.2	1328.8	1158.8	998.4	844.4	716.8	597.2	500.0	414.0	350.0	299.6
37.5°	1620.4	1326.8	1132.0	950.8	791.2	654.0	536.0	436.4	359.6	303.2	260.0
40°	1617.6	1308.4	1095.6	900.0	728.8	588.4	471.2	383.6	321.2	273.6	242.0
42.5°	1598.8	1284.0	1055.2	848.4	671.6	534.0	427.2	349.6	299.2	263.2	235.6
45°	1575.2	1254.8	1018.4	801.2	626.4	495.2	401.6	340.0	296.4	262.0	232.4
47.5°	1543.2	1222.4	981.2	767.6	602.4	483.6	401.2	345.6	298.8	259.2	226.8
50°	1508.4	1198.8	960.8	753.2	599.6	490.8	415.2	354.4	300.4	256.4	219.2
52.5°	1484.0	1188.4	960.4	758.4	614.4	510.8	431.6	365.6	306.4	258.0	217.6
55°	1454.0	1186.8	970.8	780.8	646.8	544.8	457.6	384.8	318.8	264.0	218.8
57.5°	1456.0	1218.4	1011.2	836.0	705.2	590.8	490.8	408.4	330.8	267.6	216.8
60°	1519.2	1292.0	1090.8	930.4	781.6	644.8	524.8	421.2	330.0	259.6	207.2
62.5°	1649.6	1402.4	1210.0	1041.2	859.2	686.4	537.2	417.6	318.0	242.4	191.6
65°	1805.2	1531.6	1326.0	1127.2	906.4	696.0	526.4	397.6	294.0	220.0	172.8
67.5°	1960.8	1623.2	1392.8	1151.6	887.2	657.2	486.4	352.8	253.2	189.6	151.6
70°	2016.8	1642.0	1387.6	1096.8	800.0	560.8	400.4	284.0	203.2	155.2	127.6
72.5°	1932.8	1524.4	1233.6	932.0	650.4	434.8	293.6	209.6	155.2	121.6	104.0
75°	1621.2	1227.6	975.2	702.0	469.6	307.6	212.0	152.8	116.8	96.4	83.2
77.5°	1155.6	854.8	664.4	461.2	304.8	213.2	152.0	114.8	92.8	77.2	67.6
80°	726.0	524.8	404.8	276.8	190.0	144.8	109.2	90.8	74.8	62.8	56.4
82.5°	437.2	305.6	238.4	172.0	124.8	99.2	80.4	71.2	59.6	52.0	48.4
85°	296.8	224.8	156.4	101.6	75.2	58.4	54.8	49.2	44.4	37.2	36.0
87.5°	56.8	80.4	70.0	41.6	27.6	23.6	20.8	20.0	18.0	14.4	16.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	661.6	660.8	659.2	659.2	658.0	655.6	655.2	653.6	651.6	652.0	651.6
5°	664.0	662.4	660.4	659.6	658.0	655.6	654.4	652.4	650.4	650.4	650.4
7.5°	666.8	664.8	663.2	660.4	657.2	654.8	651.6	649.2	648.0	647.6	648.0
10°	669.2	668.0	665.6	661.6	657.2	652.4	649.2	646.0	642.8	643.2	643.6
12.5°	674.4	670.4	664.0	658.0	651.2	645.2	639.6	635.6	631.6	631.6	632.0
15°	670.8	659.2	650.4	638.8	631.2	621.6	615.2	611.6	609.2	608.4	608.8
17.5°	649.6	635.6	622.4	612.0	601.6	594.0	591.2	588.8	585.6	587.2	585.6
20°	617.6	600.4	581.6	569.2	556.8	551.6	546.8	544.4	542.4	549.6	549.6
22.5°	571.6	550.8	531.6	516.4	502.4	496.8	492.0	489.2	490.4	499.2	500.0
25°	513.6	488.4	463.2	454.0	440.0	435.6	432.8	432.4	433.6	442.4	444.4
27.5°	452.0	425.6	404.0	382.8	376.4	372.8	367.6	373.6	374.8	384.4	388.4
30°	386.4	358.0	335.2	321.2	307.6	309.6	305.2	312.4	315.6	325.6	328.8
32.5°	319.2	292.4	269.6	255.6	246.0	247.2	244.0	250.4	253.6	265.6	271.6
35°	264.0	241.2	222.8	210.8	206.4	202.0	201.2	202.0	205.2	214.4	225.2
37.5°	232.4	213.6	200.4	191.6	185.6	182.8	181.2	181.2	181.2	183.2	188.4
40°	218.8	202.0	190.4	182.0	178.0	176.4	175.2	174.0	172.0	171.2	171.6
42.5°	212.8	193.6	181.2	174.8	172.4	172.4	172.4	171.6	169.6	167.6	165.6
45°	206.8	186.0	173.6	169.2	168.0	168.4	168.4	168.4	166.8	164.4	160.8
47.5°	199.2	177.6	165.2	162.4	162.4	163.6	164.0	164.0	162.4	160.0	157.2
50°	190.0	166.8	155.6	153.2	152.0	152.0	152.0	152.0	150.8	149.2	147.2
52.5°	185.2	160.8	149.2	146.8	146.8	145.6	145.2	144.0	142.8	141.6	138.8
55°	183.6	158.4	146.4	144.4	144.4	143.2	142.0	140.8	138.8	136.8	134.0
57.5°	179.2	153.2	142.8	141.2	141.2	140.4	139.2	138.0	136.0	133.2	129.6
60°	169.2	144.4	135.6	135.2	135.2	134.8	134.0	134.0	132.0	129.2	124.8
62.5°	156.4	135.2	126.8	126.8	126.4	126.0	124.4	124.0	121.6	118.0	114.0
65°	144.0	127.2	121.6	120.0	119.2	118.0	117.2	115.2	113.2	110.0	106.0
67.5°	128.4	115.2	111.6	110.0	108.4	107.2	106.0	104.8	102.4	100.0	96.8
70°	111.6	102.0	100.0	99.6	97.6	96.4	96.0	94.8	92.4	90.0	86.0
72.5°	95.6	90.0	88.4	88.4	86.0	84.4	83.6	83.2	81.6	79.6	76.0
75°	77.2	73.2	72.8	74.8	74.8	73.6	72.8	73.6	71.2	70.0	66.4
77.5°	63.2	61.2	60.0	60.8	63.2	62.0	60.4	60.4	60.4	58.4	57.2
80°	53.6	52.0	50.8	51.6	51.2	50.8	50.0	48.4	48.4	48.4	48.0
82.5°	48.4	48.0	43.6	43.6	42.0	40.8	40.0	39.2	38.4	38.4	40.4
85°	36.4	37.6	35.2	34.8	32.8	31.2	29.6	28.8	28.0	29.2	33.2
87.5°	17.6	17.6	16.8	18.8	17.2	16.4	15.2	14.4	15.2	18.8	22.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	650.8	650.4	650.0	649.2	647.6	647.2	646.4	646.4	646.0	645.2	646.0
5°	649.6	650.4	650.4	650.0	648.8	649.6	649.6	650.8	650.8	651.6	653.6
7.5°	648.0	650.0	651.6	652.8	654.4	655.6	658.0	661.6	663.2	666.0	667.2
10°	644.8	648.4	651.2	654.8	658.8	663.2	666.8	672.4	674.4	678.4	680.4
12.5°	635.6	641.6	646.4	653.6	660.4	667.2	673.6	680.8	684.4	688.8	691.6
15°	613.2	620.0	626.8	633.2	645.2	658.4	668.8	678.4	683.6	689.2	692.0
17.5°	586.4	590.8	596.4	604.8	616.4	628.0	644.8	658.4	666.4	672.8	673.6
20°	555.2	561.6	565.6	568.8	578.0	586.0	604.0	619.6	630.0	637.6	639.6
22.5°	507.6	514.4	521.2	523.6	530.8	541.2	551.2	568.0	582.8	594.0	600.8
25°	453.2	459.6	468.8	476.0	477.6	486.0	496.0	515.2	530.4	548.4	556.4
27.5°	398.8	404.4	414.4	418.4	423.2	431.6	439.6	455.6	471.6	492.4	501.2
30°	335.2	347.2	358.8	366.4	370.4	380.4	386.0	401.6	416.4	431.6	444.4
32.5°	280.8	291.6	304.8	314.4	319.2	326.8	335.6	348.8	360.4	375.2	390.0
35°	230.8	245.6	254.4	262.8	275.2	278.8	287.6	299.6	306.4	322.4	339.2
37.5°	195.6	204.4	213.2	221.6	232.0	236.8	245.2	255.2	263.2	272.8	288.0
40°	174.0	178.8	185.2	190.8	198.4	204.4	208.8	217.2	223.2	232.8	243.6
42.5°	164.0	165.2	166.0	170.0	174.0	178.0	182.8	186.4	193.6	200.8	207.6
45°	158.4	156.0	154.8	155.2	156.8	159.2	163.2	167.2	172.0	176.4	180.4
47.5°	153.6	150.4	146.8	144.8	145.2	146.0	149.2	152.4	154.8	158.4	160.0
50°	142.4	139.6	136.4	133.6	134.0	134.4	137.2	139.6	141.2	142.4	144.4
52.5°	135.2	131.2	128.4	125.6	125.2	126.4	128.8	131.2	132.0	132.8	133.2
55°	130.0	126.0	122.4	119.6	118.4	121.2	122.0	125.2	126.4	126.4	126.8
57.5°	126.0	121.2	117.6	114.8	112.8	114.8	116.8	120.4	120.8	120.0	120.0
60°	120.0	116.4	112.8	110.0	108.0	109.6	111.2	115.2	115.2	113.2	112.8
62.5°	109.6	107.6	105.2	104.0	103.6	105.2	106.4	109.6	108.4	106.0	105.2
65°	102.0	100.4	98.0	97.2	96.8	99.2	99.6	101.6	100.0	98.8	98.4
67.5°	92.8	91.6	90.4	90.0	88.8	88.8	89.6	90.8	90.0	90.0	90.4
70°	82.4	80.8	79.6	80.0	79.2	79.2	79.6	80.4	80.0	80.8	81.6
72.5°	72.8	70.8	70.4	70.4	69.6	70.0	70.0	70.4	71.2	71.6	73.6
75°	63.6	61.6	61.6	61.2	61.2	61.2	61.6	62.4	63.2	63.6	64.4
77.5°	55.2	54.0	54.4	54.0	54.0	54.0	54.0	55.2	55.6	56.0	57.2
80°	47.6	47.6	48.0	48.0	47.6	47.2	47.6	48.4	48.8	49.2	49.6
82.5°	43.2	43.6	43.6	43.6	41.6	40.8	42.0	42.8	43.6	44.0	44.8
85°	37.2	35.6	37.2	36.8	34.0	33.6	33.6	34.0	34.8	34.0	34.0
87.5°	24.0	21.6	22.8	22.8	20.0	16.4	20.8	22.4	20.0	21.2	21.2
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	647.2	646.4	646.8	646.8	647.6	646.4	648.0	649.6	650.0	650.0	650.4
5°	655.6	654.8	657.6	656.4	659.2	658.8	660.8	662.4	663.2	663.2	663.2
7.5°	668.8	671.6	673.2	677.6	678.0	680.4	682.4	684.4	683.6	684.0	683.6
10°	683.6	687.2	691.2	695.6	696.0	698.8	702.0	704.0	703.2	702.8	701.6
12.5°	696.4	698.8	703.6	708.0	710.4	714.8	718.0	719.6	719.6	718.4	717.2
15°	695.6	699.2	704.4	710.8	715.2	721.6	727.2	730.8	731.2	730.0	729.6
17.5°	678.0	683.2	688.0	696.8	704.8	713.6	722.8	728.0	732.8	735.6	737.2
20°	646.4	652.8	659.6	671.2	682.0	693.6	704.4	712.0	719.2	727.6	737.6
22.5°	609.2	618.8	628.4	643.2	656.4	669.6	682.0	691.2	702.4	716.8	735.6
25°	565.6	575.6	587.6	604.8	621.6	640.8	659.2	677.6	699.2	724.0	753.2
27.5°	514.0	525.2	540.8	561.6	580.8	600.4	629.2	658.4	693.6	725.6	758.8
30°	462.8	477.2	494.0	514.8	534.0	562.0	590.8	626.8	664.0	700.0	739.6
32.5°	407.6	425.6	446.4	463.6	485.2	513.6	542.4	580.8	620.4	662.8	706.4
35°	354.4	371.6	388.0	407.2	428.8	455.6	483.6	520.4	570.4	615.6	667.6
37.5°	300.4	316.4	328.0	343.2	362.0	391.6	421.6	464.0	511.2	566.8	618.8
40°	253.2	266.4	279.6	291.6	307.6	335.6	367.6	409.2	455.6	509.6	567.6
42.5°	215.6	225.6	240.0	254.4	268.0	292.0	322.0	362.8	408.8	464.0	522.0
45°	184.0	190.8	202.4	214.4	231.2	251.2	280.0	321.6	368.4	424.0	485.2
47.5°	161.2	164.4	172.4	184.8	200.4	220.0	244.8	282.4	328.0	384.0	448.4
50°	145.6	149.2	153.2	163.6	177.6	197.6	218.0	250.8	292.4	347.2	411.2
52.5°	134.8	136.4	138.0	144.4	157.2	174.0	195.6	220.4	262.4	314.8	372.4
55°	128.4	128.8	130.0	133.2	142.8	158.4	177.2	200.8	233.6	283.2	342.0
57.5°	120.8	121.6	122.8	124.8	130.8	144.8	160.8	180.0	207.2	248.8	305.2
60°	113.6	115.6	117.6	118.8	122.0	130.4	144.0	159.2	181.2	212.4	257.2
62.5°	106.0	108.4	110.0	111.2	112.4	117.6	127.6	137.6	151.2	171.6	205.2
65°	99.2	100.8	102.0	102.8	103.6	105.2	109.6	113.6	117.6	130.0	154.4
67.5°	91.6	92.4	92.8	93.2	92.8	92.8	93.2	94.8	96.4	101.2	112.8
70°	82.8	84.0	84.0	84.4	84.4	83.2	83.2	83.2	83.2	84.4	90.8
72.5°	74.4	76.0	76.0	76.4	76.0	75.6	75.6	75.6	76.8	77.6	80.0
75°	66.4	68.0	67.6	68.0	68.4	68.4	69.2	69.6	70.8	71.2	72.8
77.5°	58.4	59.6	60.0	59.6	60.4	61.2	62.8	63.6	64.0	64.4	64.8
80°	50.8	51.6	51.2	50.0	52.0	53.2	55.6	58.4	57.6	58.0	58.8
82.5°	42.0	40.8	40.0	40.8	42.0	43.6	46.0	49.6	50.0	52.0	51.6
85°	32.4	28.8	28.4	30.4	30.0	32.0	36.0	38.8	41.2	43.2	41.2
87.5°	19.2	17.2	14.4	13.6	14.8	19.6	20.4	24.8	26.8	27.6	24.8
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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	686.8	688.8	688.8	689.6	690.8	691.2	692.8	695.6	696.0	696.0	697.2
5°	699.6	701.6	701.6	703.2	703.6	705.6	707.6	710.8	712.4	712.0	717.2
7.5°	720.4	718.8	717.6	720.0	721.2	723.6	727.6	730.4	733.2	737.6	744.8
10°	738.0	735.6	734.4	736.0	736.8	739.6	742.0	746.0	752.8	759.6	768.4
12.5°	752.4	749.6	746.4	747.2	748.4	752.0	756.0	761.2	771.2	780.0	793.2
15°	764.4	760.4	757.2	758.8	761.6	766.4	773.2	782.4	798.8	814.0	831.6
17.5°	776.0	775.2	774.0	779.2	781.2	792.4	802.4	819.2	841.6	864.4	889.6
20°	787.2	796.0	800.4	810.8	817.2	832.4	847.6	868.0	896.4	927.6	962.0
22.5°	802.8	826.8	841.6	862.8	873.6	890.0	912.4	939.2	970.8	1010.8	1054.8
25°	840.0	875.2	904.8	938.0	965.2	990.4	1017.2	1049.6	1095.2	1131.6	1189.2
27.5°	856.4	906.0	950.4	997.2	1038.0	1076.8	1119.2	1158.4	1212.4	1261.6	1331.2
30°	840.8	896.8	954.4	1015.6	1075.2	1134.0	1195.6	1255.6	1318.0	1386.8	1460.8
32.5°	812.0	874.8	939.6	1011.6	1085.6	1162.0	1242.0	1329.2	1417.2	1502.8	1578.4
35°	782.8	850.4	922.4	1004.8	1092.0	1186.8	1286.0	1396.4	1512.8	1621.2	1720.0
37.5°	740.4	814.8	897.2	992.4	1096.0	1212.8	1340.4	1476.4	1623.6	1772.8	1902.4
40°	689.2	768.0	858.0	967.6	1092.0	1239.6	1405.6	1580.0	1769.2	1951.2	2110.4
42.5°	642.4	719.2	815.2	934.4	1081.6	1263.2	1467.6	1684.8	1908.8	2112.4	2320.4
45°	601.2	686.0	782.4	911.2	1076.4	1283.2	1513.6	1763.2	2019.6	2262.0	2507.6
47.5°	563.6	651.6	759.6	898.4	1074.0	1295.2	1545.6	1814.4	2098.4	2376.8	2662.0
50°	524.8	610.4	726.0	884.4	1068.0	1294.8	1562.4	1849.2	2153.6	2466.0	2768.4
52.5°	483.2	569.2	685.2	858.8	1055.2	1287.6	1566.8	1872.8	2197.2	2520.8	2858.8
55°	445.2	525.6	641.6	816.0	1028.4	1270.0	1556.8	1882.8	2228.0	2575.2	2922.4
57.5°	401.6	485.2	595.6	757.2	978.0	1238.8	1528.4	1868.8	2236.8	2611.6	2972.8
60°	341.6	423.6	537.2	687.6	899.2	1172.8	1475.6	1826.4	2208.8	2618.0	3008.8
62.5°	272.8	343.6	453.2	591.6	788.4	1069.2	1378.0	1731.2	2121.6	2558.0	2990.4
65°	202.8	250.0	344.4	466.0	660.0	913.2	1220.8	1571.6	1951.2	2391.2	2874.8
67.5°	141.2	175.2	233.2	323.6	480.0	705.2	996.4	1322.4	1687.6	2082.4	2634.8
70°	106.8	122.4	154.0	204.4	310.8	480.4	724.4	1014.8	1353.6	1734.0	2254.4
72.5°	91.2	99.2	116.8	140.0	190.4	292.0	454.8	698.4	998.8	1308.4	1729.6
75°	82.0	88.8	100.0	114.8	134.8	177.2	266.8	442.0	661.6	876.4	1206.8
77.5°	74.4	80.4	90.4	98.0	108.8	127.6	170.0	264.4	396.4	541.6	748.8
80°	66.4	70.0	79.2	86.8	95.2	106.0	122.0	166.0	227.6	320.8	441.6
82.5°	56.8	59.6	66.4	76.8	83.2	87.6	92.4	110.0	136.4	174.0	245.2
85°	44.0	46.0	52.0	59.6	62.4	62.8	63.6	68.4	84.8	130.4	211.2
87.5°	22.4	24.8	31.2	33.6	28.4	30.8	31.2	33.2	44.0	71.6	72.8
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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	0°
2.5°	697.2	698.4	701.2	700.8	702.8	702.8	702.8	704.8	703.6	704.8	706.8	2.5°
5°	717.2	719.2	723.2	723.2	723.6	722.4	724.8	726.4	724.4	723.6	724.0	5°
7.5°	746.4	749.6	752.8	756.0	758.4	757.2	757.6	754.0	753.2	750.4	746.8	7.5°
10°	774.8	783.6	789.6	795.2	795.6	794.4	794.8	788.8	787.6	782.0	778.4	10°
12.5°	804.0	815.2	824.8	830.8	834.4	835.2	835.6	835.6	830.0	825.2	816.8	12.5°
15°	847.2	866.8	881.6	888.0	893.2	898.0	899.2	900.8	896.4	890.0	888.8	15°
17.5°	915.6	934.0	953.6	970.8	982.4	983.2	993.2	992.4	1001.6	994.4	992.4	17.5°
20°	996.8	1036.8	1057.2	1080.0	1093.2	1099.6	1122.8	1115.6	1122.4	1134.0	1122.4	20°
22.5°	1098.4	1149.2	1178.8	1210.0	1231.6	1247.2	1264.0	1277.2	1295.6	1304.4	1296.4	22.5°
25°	1233.2	1291.2	1326.4	1369.6	1404.0	1432.0	1461.2	1496.4	1496.0	1517.2	1532.0	25°
27.5°	1388.0	1462.0	1513.2	1589.2	1618.8	1666.0	1716.0	1770.4	1780.0	1807.6	1821.6	27.5°
30°	1533.6	1625.2	1726.8	1817.2	1919.6	1989.6	2047.6	2086.0	2144.0	2129.6	2121.6	30°
32.5°	1668.0	1790.0	1934.8	2083.2	2245.6	2356.4	2458.8	2506.4	2542.4	2466.0	2364.8	32.5°
35°	1842.4	1988.4	2154.0	2337.2	2543.6	2700.8	2806.4	2821.2	2800.8	2702.8	2535.2	35°
37.5°	2058.4	2211.6	2400.0	2593.6	2812.8	2960.4	3080.8	3102.4	3048.4	2873.6	2697.6	37.5°
40°	2271.6	2451.2	2655.6	2884.8	3112.0	3274.4	3395.2	3401.6	3313.6	3109.2	2903.2	40°
42.5°	2504.8	2701.2	2928.8	3182.8	3417.6	3582.0	3669.2	3696.8	3572.4	3310.4	3112.8	42.5°
45°	2706.0	2940.8	3194.4	3464.4	3710.0	3866.0	3954.8	3946.0	3795.6	3536.8	3305.2	45°
47.5°	2902.0	3160.4	3427.6	3714.4	3958.4	4116.0	4207.2	4199.2	4008.4	3710.4	3455.6	47.5°
50°	3076.4	3356.8	3642.4	3948.8	4192.0	4336.4	4448.0	4412.8	4171.6	3850.0	3552.4	50°
52.5°	3197.6	3510.4	3808.8	4140.0	4390.4	4527.2	4669.2	4556.0	4268.0	3935.6	3604.4	52.5°
55°	3274.4	3616.0	3927.2	4293.6	4539.6	4703.2	4794.8	4634.0	4305.2	3959.2	3622.4	55°
57.5°	3326.4	3674.0	3996.8	4382.4	4674.0	4811.2	4833.6	4636.8	4281.2	3922.0	3604.4	57.5°
60°	3352.0	3691.2	4028.4	4444.8	4768.4	4843.6	4802.8	4572.0	4198.4	3812.8	3488.4	60°
62.5°	3349.2	3669.6	4012.0	4465.6	4787.2	4796.8	4704.0	4461.6	4046.0	3583.6	3295.6	62.5°
65°	3278.0	3590.8	3919.6	4388.4	4699.6	4658.4	4541.6	4254.4	3749.6	3284.4	3138.8	65°
67.5°	3072.8	3372.8	3678.0	4135.6	4452.8	4412.8	4236.0	3847.2	3405.2	3019.6	2941.2	67.5°
70°	2729.6	2984.0	3252.0	3654.0	3986.8	3932.8	3623.6	3387.2	3064.0	2713.6	2686.4	70°
72.5°	2282.0	2474.8	2669.2	2968.4	3197.6	3087.2	2892.8	2880.4	2619.2	2351.6	2357.2	72.5°
75°	1784.8	1929.6	2020.4	2196.4	2348.8	2250.0	2261.6	2330.4	2244.4	2033.6	1965.2	75°
77.5°	1293.2	1432.0	1460.8	1565.2	1672.4	1784.8	1933.6	2095.6	2122.8	2004.4	1756.4	77.5°
80°	846.4	999.2	942.4	979.6	1130.4	1335.6	1607.2	1874.0	1965.6	1859.2	1554.0	80°
82.5°	499.2	713.2	622.8	686.4	782.0	960.8	1148.4	1349.6	1502.8	1389.6	1298.0	82.5°
85°	379.2	562.4	595.6	672.8	704.0	711.6	744.4	810.0	889.2	918.8	916.4	85°
87.5°	197.6	437.2	490.8	454.0	423.6	367.2	286.4	308.4	282.0	385.6	365.2	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°
668.4	668.4	668.4	668.4	668.4	668.4	668.4
707.2	706.0	706.8	707.2	707.2	707.2	708.0
723.6	720.4	719.2	719.2	718.8	717.6	717.2
741.2	735.6	733.6	731.2	729.2	728.0	726.0
772.8	768.0	758.0	752.4	747.2	743.6	740.4
815.2	808.4	798.8	791.6	783.6	781.2	777.2
880.8	874.8	866.4	858.4	853.6	845.2	839.2
983.2	971.2	962.8	952.4	940.8	923.6	915.2
1118.0	1094.0	1077.2	1068.0	1044.8	1042.0	1021.6
1272.8	1265.6	1240.0	1228.8	1206.4	1197.6	1165.6
1504.4	1498.8	1446.4	1440.8	1406.4	1380.8	1331.2
1808.8	1762.8	1703.6	1662.4	1603.6	1537.6	1453.2
2074.8	1980.8	1890.4	1794.4	1713.2	1618.4	1522.8
2244.4	2118.4	2002.0	1903.6	1803.2	1690.4	1567.6
2393.2	2266.0	2139.2	2022.8	1901.2	1756.8	1605.2
2571.2	2444.8	2302.0	2138.4	1982.4	1805.6	1620.4
2753.6	2605.6	2427.2	2226.8	2030.8	1829.6	1617.6
2940.4	2751.2	2514.0	2285.6	2061.6	1833.2	1598.8
3092.0	2852.8	2578.4	2315.6	2068.0	1820.8	1575.2
3199.2	2918.0	2607.2	2326.0	2060.0	1801.2	1543.2
3260.4	2953.6	2614.4	2318.4	2043.6	1773.2	1508.4
3282.8	2964.4	2607.2	2302.8	2028.8	1743.2	1484.0
3280.4	2958.4	2580.8	2266.4	1989.2	1703.2	1454.0
3235.2	2902.8	2526.8	2222.8	1955.6	1684.8	1456.0
3158.4	2867.6	2510.8	2231.6	1973.2	1724.4	1519.2
3123.6	2938.0	2600.8	2319.6	2063.6	1837.6	1649.6
3104.0	3052.4	2729.6	2414.4	2170.8	1974.8	1805.2
3024.0	3085.2	2802.8	2468.4	2266.4	2112.4	1960.8
2894.8	3008.8	2747.2	2458.0	2319.2	2218.0	2016.8
2625.2	2745.6	2499.6	2304.8	2253.2	2219.6	1932.8
2126.8	2189.2	2049.2	2005.2	2024.4	2024.8	1621.2
1568.4	1530.8	1467.6	1470.8	1600.0	1580.0	1155.6
1280.4	1048.0	958.4	992.4	1152.0	1066.0	726.0
1191.6	934.8	771.6	779.6	870.0	686.8	437.2
963.6	852.0	683.2	613.2	595.2	457.6	296.8
403.2	370.8	276.0	248.8	204.0	124.8	56.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)