

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: P158983

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158983
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-F03-LED-E1-SLR-8030
Description: VENTUS LED SITE 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: 5617 lumens
Efficiency: N/A
Efficacy: 71.7 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

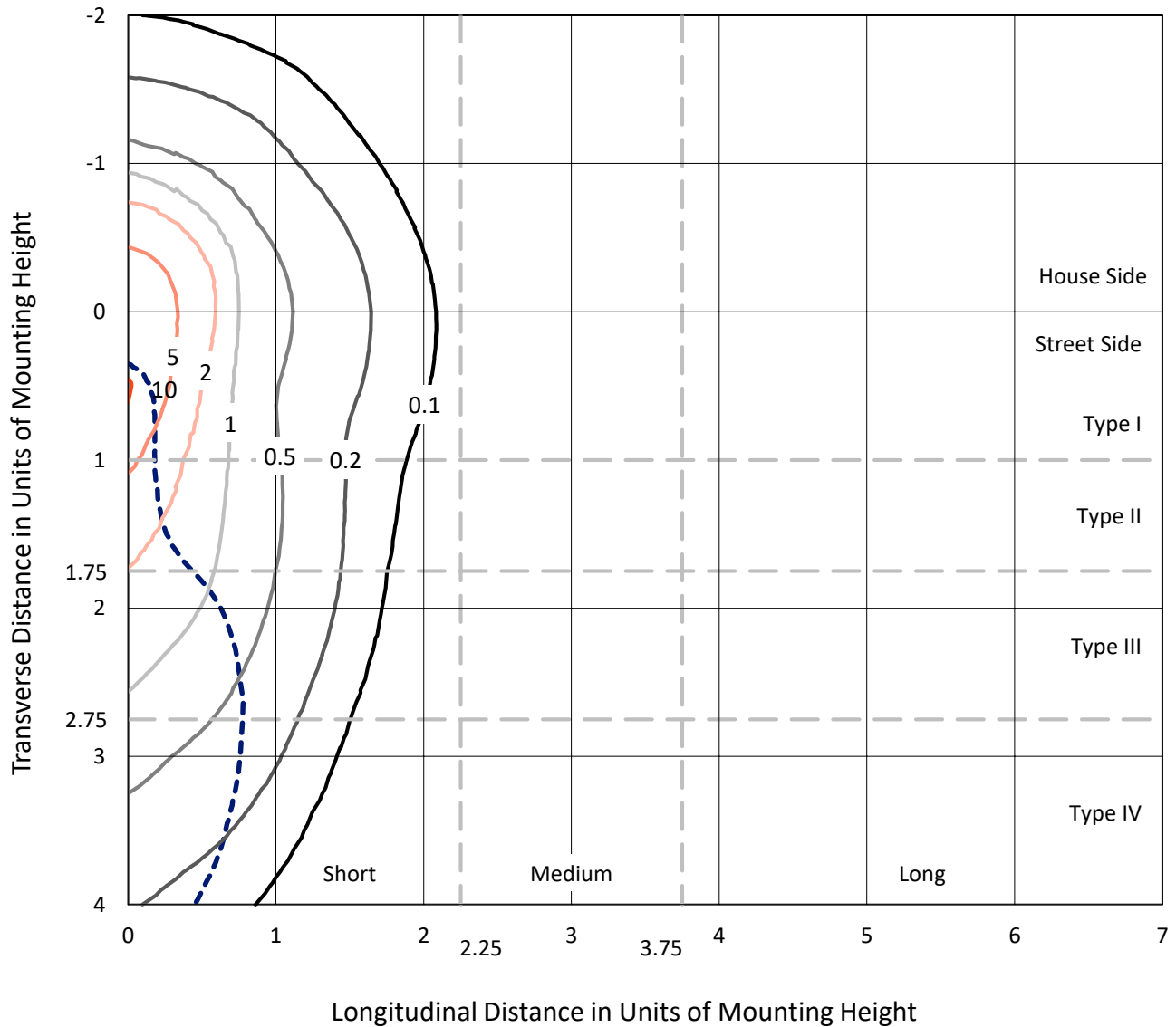
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

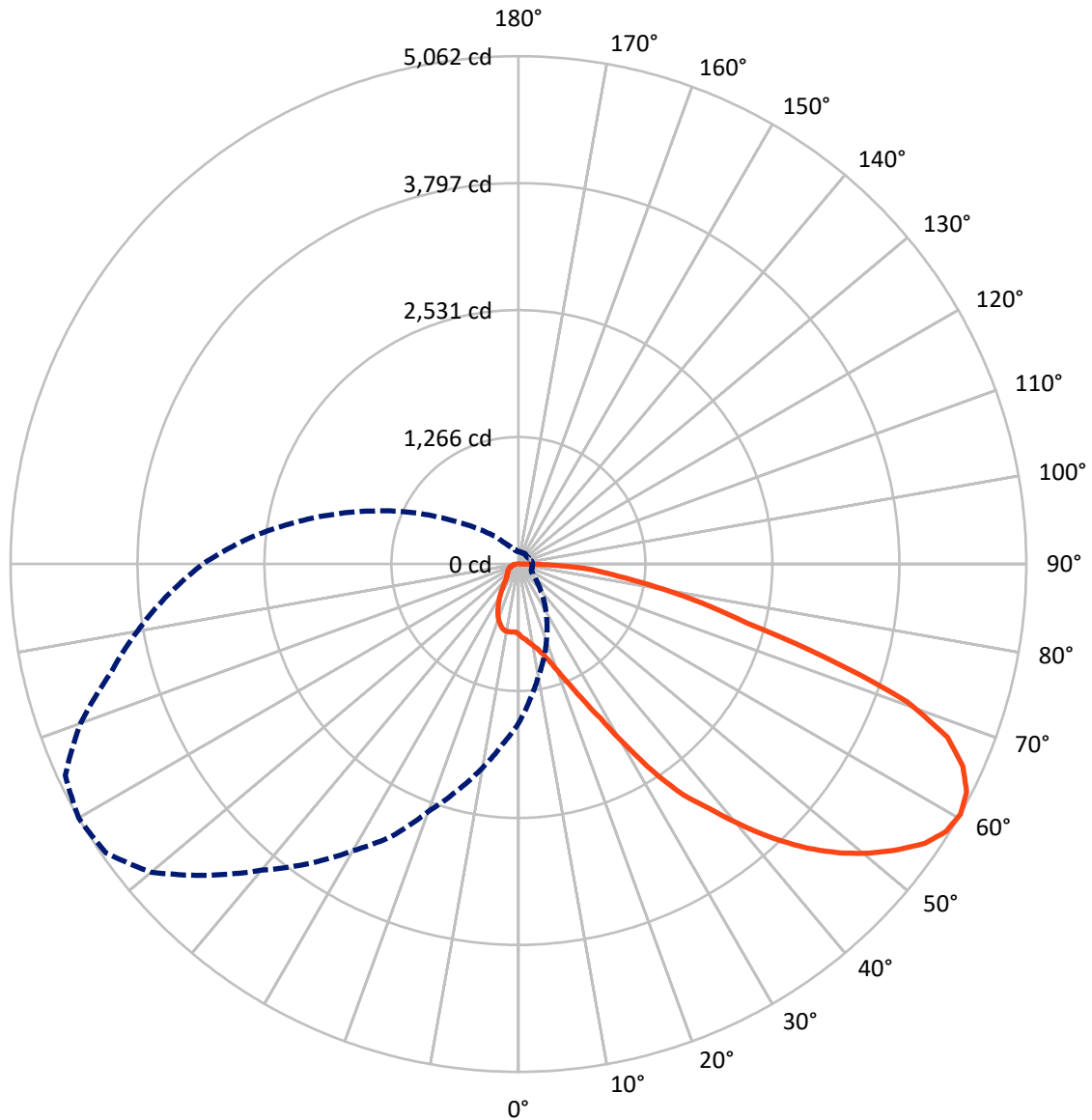
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 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	1264.8	0.0	1264.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4352.2	0.0	4352.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	5617.0	0.0	5617.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.2
10°-20°	222.5	4.0
20°-30°	422.2	7.5
30°-40°	665.0	11.8
40°-50°	928.1	16.5
50°-60°	1147.9	20.4
60°-70°	1189.8	21.2
70°-80°	748.7	13.3
80°-90°	223.8	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°	5617.0	100.0
0°-180°	5617.0	100.0



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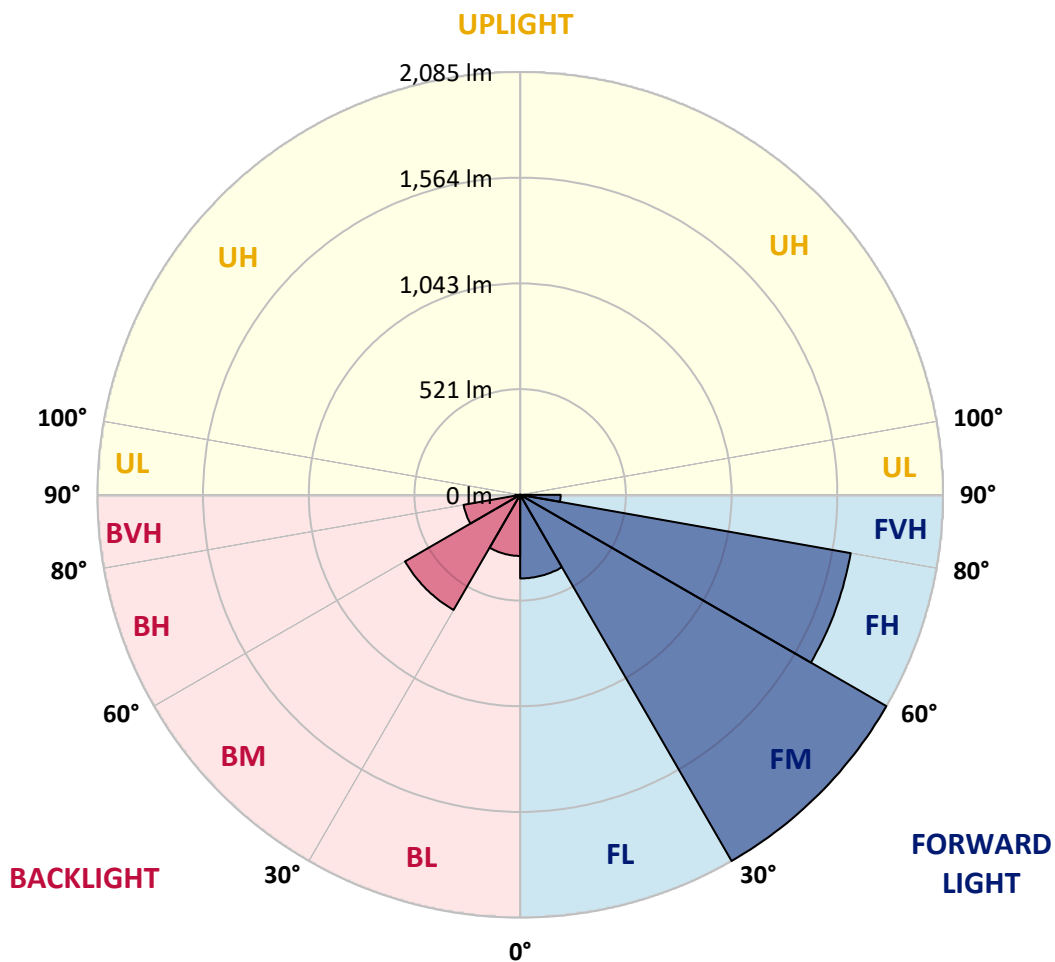
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.4	7.3			
FM	(30°-60°)	2085.1	37.1			
FH	(60°-80°)	1655.3	29.5			G1/1800
FVH	(80°-90°)	199.5	3.6			G2/225
BL	(0°-30°)	301.3	5.4	B1/500		
BM	(30°-60°)	655.9	11.7	B1/1000		
BH	(60°-80°)	283.3	5.0	B1/500		G1/500
BVH	(80°-90°)	24.3	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°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	739.9	695.6	696.5	695.2	695.2	694.4	695.2	694.4	693.5	693.5	693.9
5°	749.5	700.6	700.6	699.4	698.5	697.7	698.5	697.7	697.3	696.5	696.9
7.5°	758.7	703.6	701.9	700.2	698.1	699.0	699.0	698.5	699.0	698.5	699.4
10°	773.8	713.2	709.0	705.2	704.8	704.0	704.0	702.7	702.7	701.9	702.3
12.5°	812.3	742.9	738.3	731.6	730.3	726.6	724.5	722.0	717.8	714.0	711.1
15°	877.1	792.2	783.4	777.6	775.0	767.5	755.8	746.6	734.5	724.0	713.2
17.5°	956.5	858.2	847.8	840.3	827.7	807.2	787.6	765.0	741.6	720.3	700.6
20°	1067.7	953.1	932.7	914.7	883.3	848.2	811.4	772.1	736.2	702.7	673.9
22.5°	1218.2	1075.6	1037.6	989.5	931.4	872.0	813.5	759.2	711.1	667.6	629.2
25°	1391.2	1192.7	1124.1	1041.3	952.3	870.4	793.4	723.6	667.6	611.6	569.8
27.5°	1518.7	1290.5	1189.3	1080.6	966.9	862.4	767.9	683.5	615.8	558.5	507.9
30°	1591.5	1346.5	1224.9	1097.4	969.4	849.0	735.8	637.9	559.8	491.6	443.1
32.5°	1638.3	1376.6	1228.6	1080.6	939.3	809.3	686.8	585.3	500.4	427.7	376.2
35°	1677.6	1388.7	1211.1	1043.4	882.5	749.1	624.1	522.6	432.7	365.8	313.1
37.5°	1693.5	1386.6	1183.1	993.7	826.9	683.5	560.2	456.1	375.8	316.9	271.7
40°	1690.6	1367.4	1145.0	940.6	761.7	614.9	492.5	400.9	335.7	285.9	252.9
42.5°	1670.9	1341.9	1102.8	886.7	701.9	558.1	446.5	365.4	312.7	275.1	246.2
45°	1646.2	1311.4	1064.3	837.3	654.7	517.5	419.7	355.3	309.8	273.8	242.9
47.5°	1612.8	1277.5	1025.5	802.2	629.6	505.4	419.3	361.2	312.3	270.9	237.0
50°	1576.4	1252.9	1004.1	787.2	626.6	512.9	433.9	370.4	313.9	268.0	229.1
52.5°	1550.9	1242.0	1003.7	792.6	642.1	533.8	451.1	382.1	320.2	269.6	227.4
55°	1519.6	1240.3	1014.6	816.0	676.0	569.4	478.2	402.2	333.2	275.9	228.7
57.5°	1521.7	1273.4	1056.8	873.7	737.0	617.4	512.9	426.8	345.7	279.7	226.6
60°	1587.7	1350.3	1140.0	972.4	816.9	673.9	548.5	440.2	344.9	271.3	216.5
62.5°	1724.0	1465.7	1264.6	1088.2	898.0	717.4	561.4	436.4	332.3	253.3	200.2
65°	1886.6	1600.7	1385.8	1178.0	947.3	727.4	550.1	415.5	307.3	229.9	180.6
67.5°	2049.2	1696.4	1455.6	1203.5	927.2	686.8	508.3	368.7	264.6	198.2	158.4
70°	2107.8	1716.1	1450.2	1146.3	836.1	586.1	418.5	296.8	212.4	162.2	133.4
72.5°	2020.0	1593.2	1289.2	974.0	679.7	454.4	306.8	219.1	162.2	127.1	108.7
75°	1694.3	1283.0	1019.2	733.7	490.8	321.5	221.6	159.7	122.1	100.7	87.0
77.5°	1207.7	893.4	694.4	482.0	318.5	222.8	158.9	120.0	97.0	80.7	70.6
80°	758.7	548.5	423.1	289.3	198.6	151.3	114.1	94.9	78.2	65.6	58.9
82.5°	456.9	319.4	249.2	179.8	130.4	103.7	84.0	74.4	62.3	54.3	50.6
85°	310.2	234.9	163.5	106.2	78.6	61.0	57.3	51.4	46.4	38.9	37.6
87.5°	59.4	84.0	73.2	43.5	28.8	24.7	21.7	20.9	18.8	15.0	17.1
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	691.4	690.6	688.9	688.9	687.7	685.2	684.8	683.1	681.0	681.4	681.0
5°	693.9	692.3	690.2	689.4	687.7	685.2	683.9	681.8	679.7	679.7	679.7
7.5°	696.9	694.8	693.1	690.2	686.8	684.3	681.0	678.5	677.2	676.8	677.2
10°	699.4	698.1	695.6	691.4	686.8	681.8	678.5	675.1	671.8	672.2	672.6
12.5°	704.8	700.6	693.9	687.7	680.6	674.3	668.4	664.3	660.1	660.1	660.5
15°	701.1	688.9	679.7	667.6	659.7	649.6	642.9	639.2	636.7	635.8	636.3
17.5°	678.9	664.3	650.5	639.6	628.7	620.8	617.9	615.4	612.0	613.7	612.0
20°	645.5	627.5	607.8	594.9	581.9	576.5	571.5	569.0	566.9	574.4	574.4
22.5°	597.4	575.6	555.6	539.7	525.1	519.2	514.2	511.3	512.5	521.7	522.6
25°	536.8	510.4	484.1	474.5	459.8	455.2	452.3	451.9	453.2	462.4	464.4
27.5°	472.4	444.8	422.2	400.1	393.4	389.6	384.2	390.5	391.7	401.7	405.9
30°	403.8	374.1	350.3	335.7	321.5	323.6	319.0	326.5	329.8	340.3	343.6
32.5°	333.6	305.6	281.8	267.1	257.1	258.3	255.0	261.7	265.0	277.6	283.9
35°	275.9	252.1	232.8	220.3	215.7	211.1	210.3	211.1	214.5	224.1	235.4
37.5°	242.9	223.2	209.4	200.2	194.0	191.0	189.4	189.4	189.4	191.5	196.9
40°	228.7	211.1	199.0	190.2	186.0	184.4	183.1	181.8	179.8	178.9	179.3
42.5°	222.4	202.3	189.4	182.7	180.2	180.2	180.2	179.3	177.2	175.2	173.1
45°	216.1	194.4	181.4	176.8	175.6	176.0	176.0	176.0	174.3	171.8	168.1
47.5°	208.2	185.6	172.7	169.7	169.7	171.0	171.4	171.4	169.7	167.2	164.3
50°	198.6	174.3	162.6	160.1	158.9	158.9	158.9	158.9	157.6	155.9	153.8
52.5°	193.6	168.1	155.9	153.4	153.4	152.2	151.7	150.5	149.2	148.0	145.1
55°	191.9	165.5	153.0	150.9	150.9	149.7	148.4	147.2	145.1	143.0	140.0
57.5°	187.3	160.1	149.2	147.6	147.6	146.7	145.5	144.2	142.1	139.2	135.4
60°	176.8	150.9	141.7	141.3	141.3	140.9	140.0	140.0	138.0	135.0	130.4
62.5°	163.5	141.3	132.5	132.5	132.1	131.7	130.0	129.6	127.1	123.3	119.1
65°	150.5	132.9	127.1	125.4	124.6	123.3	122.5	120.4	118.3	115.0	110.8
67.5°	134.2	120.4	116.6	115.0	113.3	112.0	110.8	109.5	107.0	104.5	101.2
70°	116.6	106.6	104.5	104.1	102.0	100.7	100.3	99.1	96.6	94.1	89.9
72.5°	99.9	94.1	92.4	92.4	89.9	88.2	87.4	87.0	85.3	83.2	79.4
75°	80.7	76.5	76.1	78.2	78.2	76.9	76.1	76.9	74.4	73.2	69.4
77.5°	66.1	64.0	62.7	63.5	66.1	64.8	63.1	63.1	63.1	61.0	59.8
80°	56.0	54.3	53.1	53.9	53.5	53.1	52.3	50.6	50.6	50.6	50.2
82.5°	50.6	50.2	45.6	45.6	43.9	42.6	41.8	41.0	40.1	40.1	42.2
85°	38.0	39.3	36.8	36.4	34.3	32.6	30.9	30.1	29.3	30.5	34.7
87.5°	18.4	18.4	17.6	19.6	18.0	17.1	15.9	15.0	15.9	19.6	23.4
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°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	680.2	679.7	679.3	678.5	676.8	676.4	675.6	675.6	675.1	674.3	675.1
5°	678.9	679.7	679.7	679.3	678.1	678.9	678.9	680.2	680.2	681.0	683.1
7.5°	677.2	679.3	681.0	682.2	683.9	685.2	687.7	691.4	693.1	696.0	697.3
10°	673.9	677.6	680.6	684.3	688.5	693.1	696.9	702.7	704.8	709.0	711.1
12.5°	664.3	670.5	675.6	683.1	690.2	697.3	704.0	711.5	715.3	719.9	722.8
15°	640.9	648.0	655.1	661.8	674.3	688.1	699.0	709.0	714.4	720.3	723.2
17.5°	612.8	617.4	623.3	632.1	644.2	656.3	673.9	688.1	696.5	703.1	704.0
20°	580.2	586.9	591.1	594.5	604.1	612.4	631.2	647.5	658.4	666.4	668.4
22.5°	530.5	537.6	544.7	547.2	554.7	565.6	576.1	593.6	609.1	620.8	627.9
25°	473.6	480.3	489.9	497.5	499.1	507.9	518.4	538.4	554.3	573.1	581.5
27.5°	416.8	422.6	433.1	437.3	442.3	451.1	459.4	476.1	492.9	514.6	523.8
30°	350.3	362.9	375.0	382.9	387.1	397.6	403.4	419.7	435.2	451.1	464.4
32.5°	293.5	304.8	318.5	328.6	333.6	341.5	350.7	364.5	376.7	392.1	407.6
35°	241.2	256.7	265.9	274.7	287.6	291.4	300.6	313.1	320.2	336.9	354.5
37.5°	204.4	213.6	222.8	231.6	242.5	247.5	256.3	266.7	275.1	285.1	301.0
40°	181.8	186.9	193.6	199.4	207.3	213.6	218.2	227.0	233.3	243.3	254.6
42.5°	171.4	172.7	173.5	177.7	181.8	186.0	191.0	194.8	202.3	209.9	217.0
45°	165.5	163.0	161.8	162.2	163.9	166.4	170.6	174.7	179.8	184.4	188.5
47.5°	160.5	157.2	153.4	151.3	151.7	152.6	155.9	159.3	161.8	165.5	167.2
50°	148.8	145.9	142.6	139.6	140.0	140.5	143.4	145.9	147.6	148.8	150.9
52.5°	141.3	137.1	134.2	131.3	130.8	132.1	134.6	137.1	138.0	138.8	139.2
55°	135.9	131.7	127.9	125.0	123.7	126.7	127.5	130.8	132.1	132.1	132.5
57.5°	131.7	126.7	122.9	120.0	117.9	120.0	122.1	125.8	126.2	125.4	125.4
60°	125.4	121.7	117.9	115.0	112.9	114.5	116.2	120.4	120.4	118.3	117.9
62.5°	114.5	112.5	109.9	108.7	108.3	109.9	111.2	114.5	113.3	110.8	109.9
65°	106.6	104.9	102.4	101.6	101.2	103.7	104.1	106.2	104.5	103.3	102.8
67.5°	97.0	95.7	94.5	94.1	92.8	92.8	93.6	94.9	94.1	94.1	94.5
70°	86.1	84.4	83.2	83.6	82.8	82.8	83.2	84.0	83.6	84.4	85.3
72.5°	76.1	74.0	73.6	73.6	72.7	73.2	73.2	73.6	74.4	74.8	76.9
75°	66.5	64.4	64.4	64.0	64.0	64.0	64.4	65.2	66.1	66.5	67.3
77.5°	57.7	56.4	56.9	56.4	56.4	56.4	56.4	57.7	58.1	58.5	59.8
80°	49.7	49.7	50.2	50.2	49.7	49.3	49.7	50.6	51.0	51.4	51.8
82.5°	45.1	45.6	45.6	45.6	43.5	42.6	43.9	44.7	45.6	46.0	46.8
85°	38.9	37.2	38.9	38.5	35.5	35.1	35.1	35.5	36.4	35.5	35.5
87.5°	25.1	22.6	23.8	23.8	20.9	17.1	21.7	23.4	20.9	22.2	22.2
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°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	676.4	675.6	676.0	676.0	676.8	675.6	677.2	678.9	679.3	679.3	679.7
5°	685.2	684.3	687.3	686.0	688.9	688.5	690.6	692.3	693.1	693.1	693.1
7.5°	699.0	701.9	703.6	708.2	708.6	711.1	713.2	715.3	714.4	714.9	714.4
10°	714.4	718.2	722.4	727.0	727.4	730.3	733.7	735.8	734.9	734.5	733.2
12.5°	727.8	730.3	735.3	739.9	742.4	747.0	750.4	752.1	752.1	750.8	749.5
15°	727.0	730.7	736.2	742.9	747.5	754.1	760.0	763.8	764.2	762.9	762.5
17.5°	708.6	714.0	719.0	728.2	736.6	745.8	755.4	760.8	765.9	768.8	770.5
20°	675.6	682.2	689.4	701.5	712.8	724.9	736.2	744.1	751.6	760.4	770.9
22.5°	636.7	646.7	656.7	672.2	686.0	699.8	712.8	722.4	734.1	749.1	768.8
25°	591.1	601.6	614.1	632.1	649.6	669.7	688.9	708.2	730.7	756.7	787.2
27.5°	537.2	548.9	565.2	586.9	607.0	627.5	657.6	688.1	724.9	758.3	793.0
30°	483.7	498.7	516.3	538.0	558.1	587.3	617.4	655.1	693.9	731.6	773.0
32.5°	426.0	444.8	466.5	484.5	507.1	536.8	566.9	607.0	648.4	692.7	738.3
35°	370.4	388.4	405.5	425.6	448.1	476.1	505.4	543.9	596.1	643.4	697.7
37.5°	313.9	330.7	342.8	358.7	378.3	409.3	440.6	484.9	534.3	592.4	646.7
40°	264.6	278.4	292.2	304.8	321.5	350.7	384.2	427.7	476.1	532.6	593.2
42.5°	225.3	235.8	250.8	265.9	280.1	305.2	336.5	379.2	427.2	484.9	545.5
45°	192.3	199.4	211.5	224.1	241.6	262.5	292.6	336.1	385.0	443.1	507.1
47.5°	168.5	171.8	180.2	193.1	209.4	229.9	255.8	295.1	342.8	401.3	468.6
50°	152.2	155.9	160.1	171.0	185.6	206.5	227.8	262.1	305.6	362.9	429.7
52.5°	140.9	142.6	144.2	150.9	164.3	181.8	204.4	230.3	274.2	329.0	389.2
55°	134.2	134.6	135.9	139.2	149.2	165.5	185.2	209.9	244.1	296.0	357.4
57.5°	126.2	127.1	128.3	130.4	136.7	151.3	168.1	188.1	216.5	260.0	319.0
60°	118.7	120.8	122.9	124.2	127.5	136.3	150.5	166.4	189.4	222.0	268.8
62.5°	110.8	113.3	115.0	116.2	117.5	122.9	133.4	143.8	158.0	179.3	214.5
65°	103.7	105.3	106.6	107.4	108.3	109.9	114.5	118.7	122.9	135.9	161.4
67.5°	95.7	96.6	97.0	97.4	97.0	97.0	97.4	99.1	100.7	105.8	117.9
70°	86.5	87.8	87.8	88.2	88.2	87.0	87.0	87.0	87.0	88.2	94.9
72.5°	77.8	79.4	79.4	79.8	79.4	79.0	79.0	79.0	80.3	81.1	83.6
75°	69.4	71.1	70.6	71.1	71.5	71.5	72.3	72.7	74.0	74.4	76.1
77.5°	61.0	62.3	62.7	62.3	63.1	64.0	65.6	66.5	66.9	67.3	67.7
80°	53.1	53.9	53.5	52.3	54.3	55.6	58.1	61.0	60.2	60.6	61.5
82.5°	43.9	42.6	41.8	42.6	43.9	45.6	48.1	51.8	52.3	54.3	53.9
85°	33.9	30.1	29.7	31.8	31.4	33.4	37.6	40.6	43.1	45.1	43.1
87.5°	20.1	18.0	15.0	14.2	15.5	20.5	21.3	25.9	28.0	28.8	25.9
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°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5
2.5°	717.8	719.9	719.9	720.7	722.0	722.4	724.0	727.0	727.4	727.4	728.6
5°	731.2	733.2	733.2	734.9	735.3	737.4	739.5	742.9	744.5	744.1	749.5
7.5°	752.9	751.2	750.0	752.5	753.7	756.2	760.4	763.3	766.3	770.9	778.4
10°	771.3	768.8	767.5	769.2	770.0	773.0	775.5	779.6	786.8	793.9	803.1
12.5°	786.3	783.4	780.1	780.9	782.2	785.9	790.1	795.5	806.0	815.2	829.0
15°	798.9	794.7	791.4	793.0	796.0	801.0	808.1	817.7	834.8	850.7	869.1
17.5°	811.0	810.2	808.9	814.3	816.4	828.1	838.6	856.1	879.6	903.4	929.7
20°	822.7	831.9	836.5	847.4	854.1	869.9	885.8	907.1	936.8	969.4	1005.4
22.5°	839.0	864.1	879.6	901.7	913.0	930.1	953.6	981.6	1014.6	1056.4	1102.4
25°	877.9	914.7	945.6	980.3	1008.7	1035.1	1063.1	1096.9	1144.6	1182.6	1242.8
27.5°	895.0	946.9	993.3	1042.2	1084.8	1125.4	1169.7	1210.6	1267.1	1318.5	1391.2
30°	878.7	937.2	997.4	1061.4	1123.7	1185.1	1249.5	1312.2	1377.4	1449.3	1526.7
32.5°	848.6	914.3	982.0	1057.2	1134.6	1214.4	1298.0	1389.2	1481.1	1570.6	1649.6
35°	818.1	888.8	964.0	1050.1	1141.3	1240.3	1344.0	1459.4	1581.0	1694.3	1797.6
37.5°	773.8	851.6	937.7	1037.2	1145.4	1267.5	1400.9	1543.0	1696.8	1852.8	1988.2
40°	720.3	802.6	896.7	1011.2	1141.3	1295.5	1469.0	1651.3	1849.0	2039.2	2205.6
42.5°	671.4	751.6	852.0	976.5	1130.4	1320.2	1533.8	1760.8	1994.9	2207.7	2425.1
45°	628.3	716.9	817.7	952.3	1124.9	1341.1	1581.9	1842.7	2110.7	2364.0	2620.7
47.5°	589.0	681.0	793.9	938.9	1122.4	1353.6	1615.3	1896.2	2193.0	2484.0	2782.1
50°	548.5	637.9	758.7	924.3	1116.2	1353.2	1632.9	1932.6	2250.7	2577.2	2893.3
52.5°	505.0	594.9	716.1	897.5	1102.8	1345.7	1637.5	1957.3	2296.3	2634.5	2987.7
55°	465.3	549.3	670.5	852.8	1074.8	1327.3	1627.0	1967.7	2328.5	2691.4	3054.2
57.5°	419.7	507.1	622.5	791.4	1022.1	1294.7	1597.3	1953.1	2337.7	2729.4	3106.9
60°	357.0	442.7	561.4	718.6	939.8	1225.7	1542.2	1908.8	2308.4	2736.1	3144.5
62.5°	285.1	359.1	473.6	618.3	824.0	1117.4	1440.2	1809.3	2217.3	2673.4	3125.3
65°	211.9	261.3	359.9	487.0	689.8	954.4	1275.9	1642.5	2039.2	2499.1	3004.5
67.5°	147.6	183.1	243.7	338.2	501.6	737.0	1041.3	1382.0	1763.7	2176.3	2753.6
70°	111.6	127.9	160.9	213.6	324.8	502.1	757.1	1060.6	1414.7	1812.2	2356.1
72.5°	95.3	103.7	122.1	146.3	199.0	305.2	475.3	729.9	1043.8	1367.4	1807.6
75°	85.7	92.8	104.5	120.0	140.9	185.2	278.8	461.9	691.4	915.9	1261.2
77.5°	77.8	84.0	94.5	102.4	113.7	133.4	177.7	276.3	414.3	566.0	782.6
80°	69.4	73.2	82.8	90.7	99.5	110.8	127.5	173.5	237.9	335.3	461.5
82.5°	59.4	62.3	69.4	80.3	87.0	91.6	96.6	115.0	142.6	181.8	256.3
85°	46.0	48.1	54.3	62.3	65.2	65.6	66.5	71.5	88.6	136.3	220.7
87.5°	23.4	25.9	32.6	35.1	29.7	32.2	32.6	34.7	46.0	74.8	76.1
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°	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	698.5	0°
2.5°	728.6	729.9	732.8	732.4	734.5	734.5	734.5	736.6	735.3	736.6	738.7	2.5°
5°	749.5	751.6	755.8	755.8	756.2	755.0	757.5	759.2	757.1	756.2	756.7	5°
7.5°	780.1	783.4	786.8	790.1	792.6	791.4	791.8	788.0	787.2	784.2	780.5	7.5°
10°	809.7	818.9	825.2	831.1	831.5	830.2	830.6	824.4	823.1	817.3	813.5	10°
12.5°	840.3	852.0	862.0	868.3	872.0	872.9	873.3	873.3	867.4	862.4	853.6	12.5°
15°	885.4	905.9	921.4	928.1	933.5	938.5	939.8	941.4	936.8	930.1	928.9	15°
17.5°	956.9	976.1	996.6	1014.6	1026.7	1027.5	1038.0	1037.2	1046.8	1039.3	1037.2	17.5°
20°	1041.8	1083.6	1104.9	1128.7	1142.5	1149.2	1173.4	1165.9	1173.0	1185.1	1173.0	20°
22.5°	1147.9	1201.0	1232.0	1264.6	1287.1	1303.5	1321.0	1334.8	1354.0	1363.2	1354.9	22.5°
25°	1288.8	1349.4	1386.2	1431.4	1467.3	1496.6	1527.1	1563.9	1563.5	1585.6	1601.1	25°
27.5°	1450.6	1527.9	1581.5	1660.9	1691.8	1741.1	1793.4	1850.3	1860.3	1889.1	1903.8	27.5°
30°	1602.8	1698.5	1804.7	1899.2	2006.2	2079.3	2140.0	2180.1	2240.7	2225.7	2217.3	30°
32.5°	1743.2	1870.7	2022.1	2177.2	2346.9	2462.7	2569.7	2619.4	2657.1	2577.2	2471.5	32.5°
35°	1925.5	2078.1	2251.2	2442.6	2658.3	2822.6	2933.0	2948.4	2927.1	2824.7	2649.5	35°
37.5°	2151.2	2311.4	2508.2	2710.6	2939.7	3093.9	3219.8	3242.3	3185.9	3003.2	2819.3	37.5°
40°	2374.1	2561.8	2775.4	3014.9	3252.4	3422.1	3548.3	3555.0	3463.1	3249.4	3034.1	40°
42.5°	2617.8	2823.0	3060.9	3326.4	3571.7	3743.6	3834.7	3863.5	3733.5	3459.7	3253.2	42.5°
45°	2828.0	3073.4	3338.5	3620.7	3877.3	4040.4	4133.2	4124.0	3966.8	3696.3	3454.3	45°
47.5°	3032.9	3302.9	3582.2	3881.9	4136.9	4301.6	4397.0	4388.6	4189.2	3877.8	3611.5	47.5°
50°	3215.2	3508.2	3806.7	4126.9	4381.1	4532.0	4648.6	4611.8	4359.8	4023.6	3712.6	50°
52.5°	3341.8	3668.7	3980.6	4326.7	4588.4	4731.4	4879.8	4761.5	4460.5	4113.1	3767.0	52.5°
55°	3422.1	3779.1	4104.3	4487.3	4744.4	4915.3	5011.1	4843.0	4499.4	4137.8	3785.8	55°
57.5°	3476.4	3839.7	4177.1	4580.1	4884.8	5028.2	5051.6	4845.9	4474.3	4098.9	3767.0	57.5°
60°	3503.2	3857.7	4210.1	4645.3	4983.5	5062.1	5019.4	4778.2	4387.8	3984.8	3645.7	60°
62.5°	3500.3	3835.1	4193.0	4667.0	5003.1	5013.2	4916.2	4662.8	4228.5	3745.2	3444.2	62.5°
65°	3425.8	3752.8	4096.4	4586.3	4911.6	4868.5	4746.4	4446.3	3918.7	3432.5	3280.4	65°
67.5°	3211.4	3524.9	3843.9	4322.1	4653.6	4611.8	4427.1	4020.7	3558.8	3155.8	3073.9	67.5°
70°	2852.7	3118.6	3398.7	3818.8	4166.6	4110.2	3787.0	3540.0	3202.2	2836.0	2807.6	70°
72.5°	2384.9	2586.4	2789.6	3102.3	3341.8	3226.4	3023.3	3010.3	2737.3	2457.7	2463.5	72.5°
75°	1865.3	2016.6	2111.5	2295.5	2454.7	2351.5	2363.6	2435.5	2345.6	2125.3	2053.8	75°
77.5°	1351.5	1496.6	1526.7	1635.8	1747.8	1865.3	2020.8	2190.1	2218.5	2094.8	1835.6	77.5°
80°	884.6	1044.3	984.9	1023.8	1181.4	1395.8	1679.7	1958.5	2054.3	1943.1	1624.1	80°
82.5°	521.7	745.4	650.9	717.4	817.3	1004.1	1200.2	1410.5	1570.6	1452.3	1356.5	82.5°
85°	396.3	587.8	622.5	703.1	735.8	743.7	778.0	846.5	929.3	960.2	957.7	85°
87.5°	206.5	456.9	512.9	474.5	442.7	383.8	299.3	322.3	294.7	403.0	381.7	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°
698.5	698.5	698.5	698.5	698.5	698.5	698.5
739.1	737.8	738.7	739.1	739.1	739.1	739.9
756.2	752.9	751.6	751.6	751.2	750.0	749.5
774.6	768.8	766.7	764.2	762.1	760.8	758.7
807.7	802.6	792.2	786.3	780.9	777.1	773.8
852.0	844.9	834.8	827.3	818.9	816.4	812.3
920.5	914.3	905.5	897.1	892.1	883.3	877.1
1027.5	1015.0	1006.2	995.4	983.2	965.3	956.5
1168.4	1143.3	1125.8	1116.2	1091.9	1089.0	1067.7
1330.2	1322.7	1295.9	1284.2	1260.8	1251.6	1218.2
1572.3	1566.4	1511.6	1505.8	1469.8	1443.1	1391.2
1890.4	1842.3	1780.4	1737.4	1675.9	1607.0	1518.7
2168.4	2070.1	1975.7	1875.3	1790.5	1691.4	1591.5
2345.6	2213.9	2092.3	1989.5	1884.5	1766.6	1638.3
2501.1	2368.2	2235.7	2114.0	1987.0	1836.0	1677.6
2687.2	2555.1	2405.8	2234.8	2071.8	1887.0	1693.5
2877.8	2723.1	2536.7	2327.2	2122.4	1912.1	1690.6
3073.0	2875.3	2627.4	2388.7	2154.6	1915.9	1670.9
3231.5	2981.5	2694.7	2420.0	2161.3	1902.9	1646.2
3343.5	3049.6	2724.8	2430.9	2152.9	1882.4	1612.8
3407.5	3086.8	2732.3	2423.0	2135.8	1853.2	1576.4
3430.9	3098.1	2724.8	2406.7	2120.3	1821.8	1550.9
3428.4	3091.8	2697.2	2368.6	2078.9	1780.0	1519.6
3381.1	3033.7	2640.8	2323.1	2043.8	1760.8	1521.7
3300.9	2996.9	2624.0	2332.3	2062.2	1802.2	1587.7
3264.5	3070.5	2718.1	2424.2	2156.7	1920.5	1724.0
3244.0	3190.1	2852.7	2523.3	2268.7	2063.9	1886.6
3160.4	3224.4	2929.2	2579.7	2368.6	2207.7	2049.2
3025.4	3144.5	2871.1	2568.9	2423.8	2318.0	2107.8
2743.6	2869.4	2612.3	2408.8	2354.8	2319.7	2020.0
2222.7	2287.9	2141.6	2095.6	2115.7	2116.1	1694.3
1639.1	1599.8	1533.8	1537.1	1672.2	1651.3	1207.7
1338.2	1095.3	1001.6	1037.2	1204.0	1114.1	758.7
1245.3	977.0	806.4	814.8	909.2	717.8	456.9
1007.1	890.4	714.0	640.9	622.0	478.2	310.2
421.4	387.5	288.4	260.0	213.2	130.4	59.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)