

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: STREETWORKS

Report Number: P159086

Luminaire Tested: **VST-F02-LED-E-U-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159086
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: STREETWORKS
Catalog Number: VST-F02-LED-E-U-SLR-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4552.7 lumens
Efficiency: N/A
Efficacy: 82.8 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

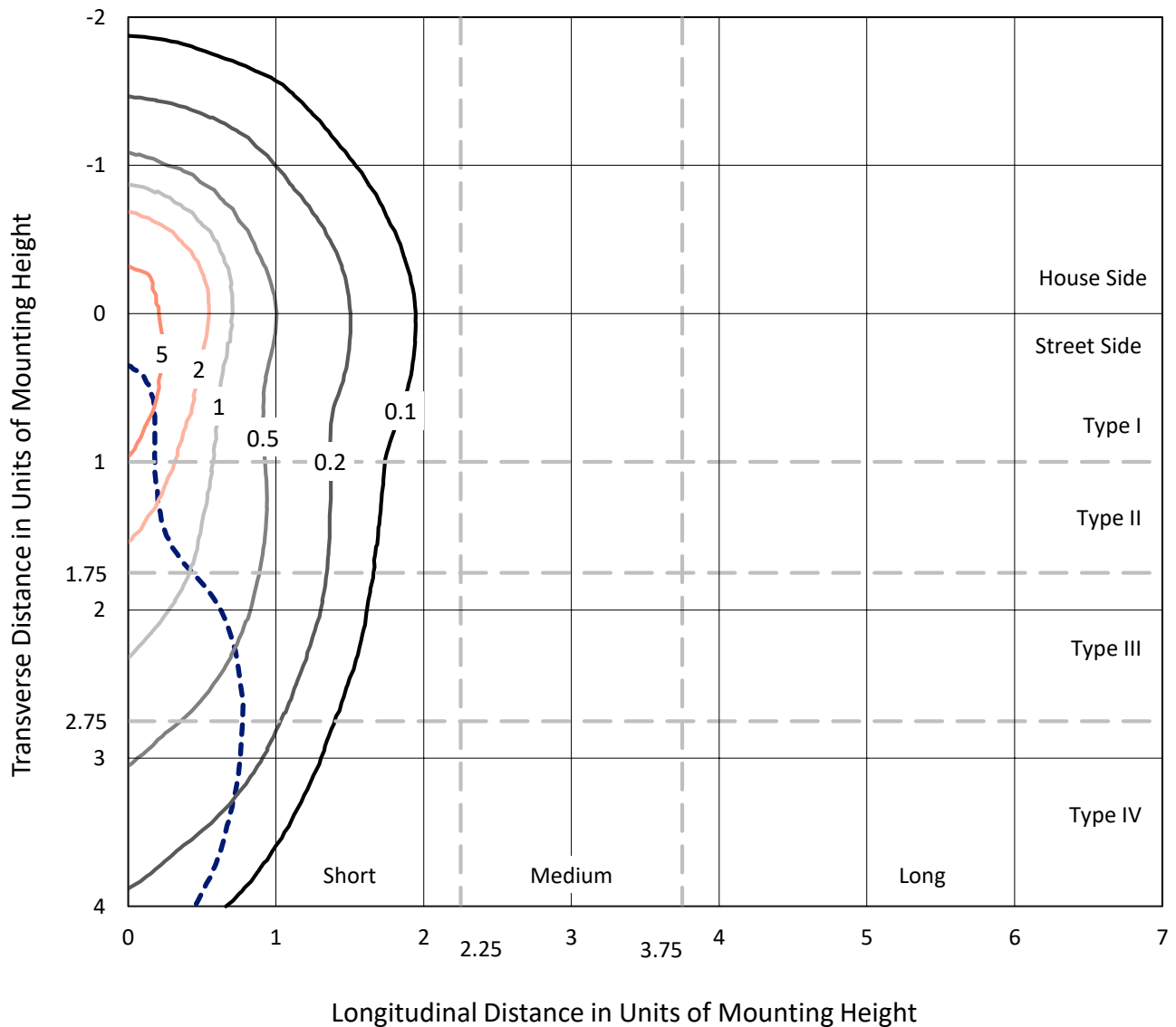
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

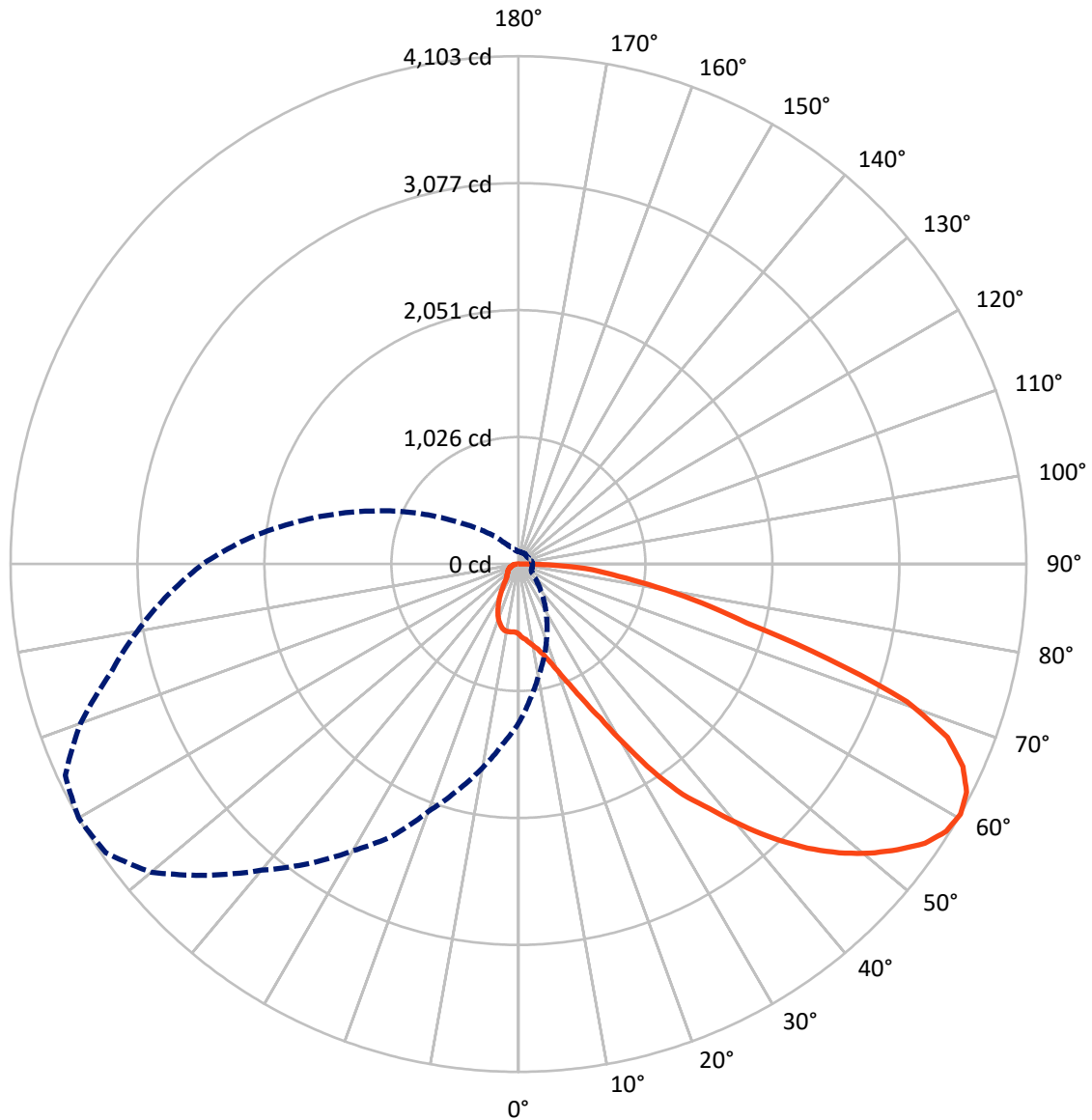
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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	1025.1	0.0	1025.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3527.5	0.0	3527.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	4552.7	0.0	4552.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.2
10°-20°	180.4	4.0
20°-30°	342.2	7.5
30°-40°	539.0	11.8
40°-50°	752.3	16.5
50°-60°	930.4	20.4
60°-70°	964.4	21.2
70°-80°	606.8	13.3
80°-90°	181.4	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°	4552.7	100.0
0°-180°	4552.7	100.0



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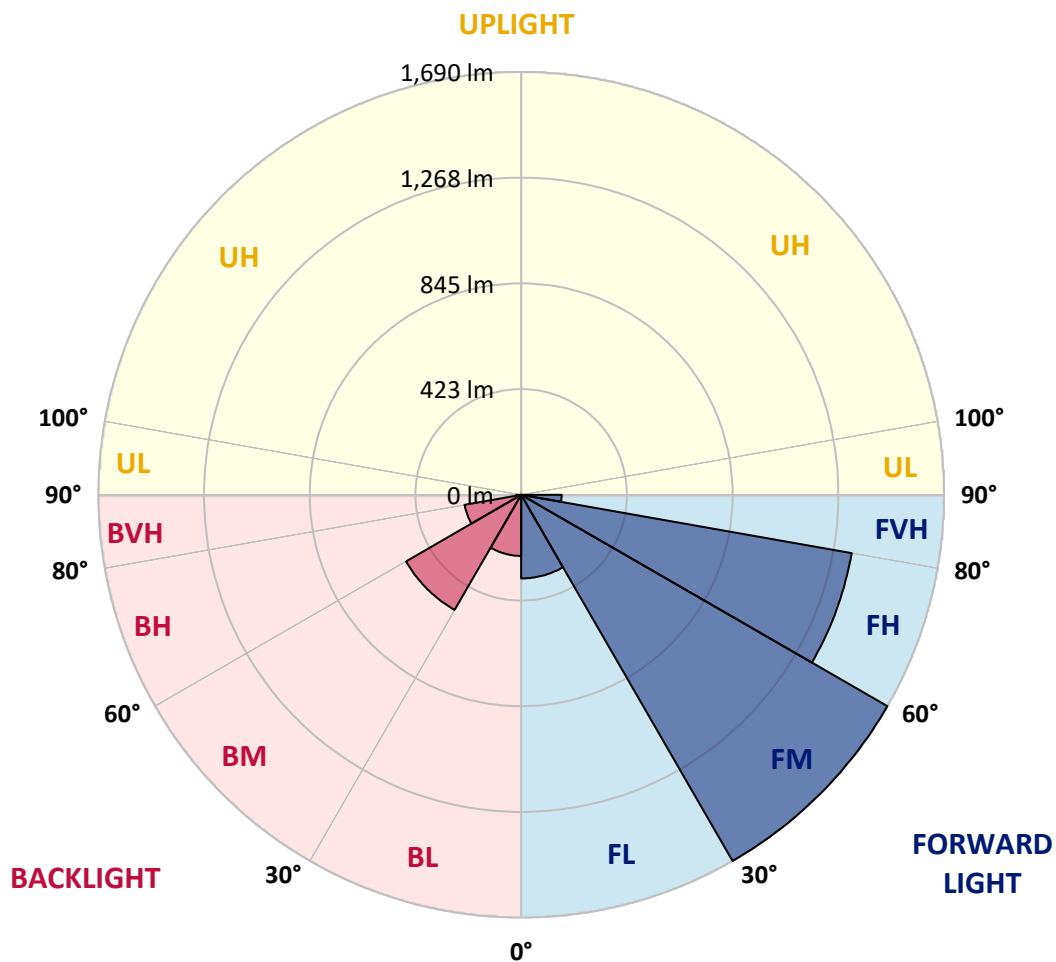
CATALOG NUMBER: VST-F02-LED-E-U-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	334.2	7.3			
FM	(30°-60°)	1690.0	37.1			
FH	(60°-80°)	1341.6	29.5			G1/1800
FVH	(80°-90°)	161.7	3.6			G2/225
BL	(0°-30°)	244.2	5.4	B1/500		
BM	(30°-60°)	531.6	11.7	B1/1000		
BH	(60°-80°)	229.6	5.0	B1/500		G1/500
BVH	(80°-90°)	19.7	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°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2
2.5°	599.7	563.8	564.5	563.5	563.5	562.8	563.5	562.8	562.1	562.1	562.4
5°	607.5	567.9	567.9	566.9	566.2	565.5	566.2	565.5	565.1	564.5	564.8
7.5°	615.0	570.2	568.9	567.5	565.9	566.5	566.5	566.2	566.5	566.2	566.9
10°	627.2	578.0	574.7	571.6	571.3	570.6	570.6	569.6	569.6	568.9	569.2
12.5°	658.3	602.1	598.4	593.0	592.0	588.9	587.2	585.2	581.8	578.7	576.4
15°	710.9	642.1	635.0	630.2	628.2	622.1	612.6	605.2	595.3	586.9	578.0
17.5°	775.3	695.6	687.1	681.1	670.9	654.3	638.3	620.0	601.1	583.8	567.9
20°	865.4	772.6	755.9	741.4	715.9	687.5	657.7	625.8	596.7	569.6	546.2
22.5°	987.4	871.8	841.0	802.0	754.9	706.8	659.3	615.3	576.4	541.1	509.9
25°	1127.6	966.7	911.1	844.0	771.8	705.4	643.1	586.5	541.1	495.7	461.8
27.5°	1231.0	1046.0	964.0	875.9	783.7	699.0	622.4	554.0	499.1	452.7	411.7
30°	1289.9	1091.4	992.8	889.4	785.8	688.1	596.3	517.1	453.7	398.5	359.2
32.5°	1327.9	1115.8	995.8	875.9	761.3	656.0	556.7	474.4	405.6	346.6	304.9
35°	1359.7	1125.6	981.6	845.7	715.3	607.2	505.9	423.5	350.7	296.5	253.8
37.5°	1372.6	1123.9	958.9	805.4	670.2	554.0	454.0	369.7	304.6	256.9	220.3
40°	1370.2	1108.3	928.1	762.4	617.3	498.4	399.1	325.0	272.1	231.8	205.0
42.5°	1354.3	1087.6	893.8	718.7	568.9	452.3	361.9	296.2	253.4	223.0	199.6
45°	1334.3	1062.9	862.7	678.7	530.6	419.5	340.2	288.0	251.1	221.9	196.9
47.5°	1307.2	1035.5	831.2	650.2	510.3	409.6	339.8	292.7	253.1	219.5	192.1
50°	1277.7	1015.5	813.9	638.0	507.9	415.7	351.7	300.2	254.5	217.2	185.7
52.5°	1257.1	1006.7	813.5	642.4	520.4	432.7	365.6	309.7	259.6	218.5	184.3
55°	1231.6	1005.3	822.4	661.4	547.9	461.5	387.6	326.0	270.1	223.6	185.3
57.5°	1233.4	1032.1	856.6	708.2	597.4	500.5	415.7	346.0	280.2	226.7	183.7
60°	1286.9	1094.4	924.0	788.1	662.1	546.2	444.5	356.8	279.5	219.9	175.5
62.5°	1397.3	1187.9	1025.0	882.0	727.8	581.5	455.0	353.8	269.4	205.3	162.3
65°	1529.2	1297.4	1123.2	954.8	767.8	589.6	445.9	336.8	249.1	186.4	146.4
67.5°	1660.9	1375.0	1179.8	975.5	751.5	556.7	412.0	298.9	214.5	160.6	128.4
70°	1708.4	1390.9	1175.4	929.1	677.6	475.0	339.2	240.5	172.1	131.5	108.1
72.5°	1637.2	1291.3	1045.0	789.5	550.9	368.3	248.7	177.5	131.5	103.0	88.1
75°	1373.3	1039.9	826.1	594.7	397.8	260.6	179.6	129.4	98.9	81.7	70.5
77.5°	978.9	724.1	562.8	390.7	258.2	180.6	128.8	97.3	78.6	65.4	57.2
80°	615.0	444.5	342.9	234.5	160.9	122.6	92.5	76.9	63.4	53.2	47.8
82.5°	370.3	258.8	202.0	145.7	105.7	84.0	68.1	60.3	50.5	44.0	41.0
85°	251.4	190.4	132.5	86.0	63.7	49.4	46.4	41.7	37.6	31.5	30.5
87.5°	48.1	68.1	59.3	35.2	23.4	20.0	17.6	16.9	15.2	12.2	13.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2
2.5°	560.4	559.7	558.4	558.4	557.4	555.4	555.0	553.6	551.9	552.3	551.9
5°	562.4	561.1	559.4	558.7	557.4	555.4	554.3	552.7	550.9	550.9	550.9
7.5°	564.8	563.2	561.8	559.4	556.7	554.6	551.9	549.9	548.9	548.6	548.9
10°	566.9	565.9	563.8	560.4	556.7	552.7	549.9	547.2	544.5	544.9	545.2
12.5°	571.3	567.9	562.4	557.4	551.6	546.5	541.8	538.4	535.0	535.0	535.4
15°	568.2	558.4	550.9	541.1	534.7	526.6	521.1	518.1	516.1	515.3	515.7
17.5°	550.3	538.4	527.2	518.4	509.6	503.2	500.8	498.8	496.0	497.4	496.0
20°	523.1	508.6	492.7	482.2	471.7	467.2	463.2	461.2	459.5	465.5	465.5
22.5°	484.2	466.6	450.3	437.4	425.6	420.8	416.8	414.4	415.4	422.9	423.5
25°	435.1	413.7	392.3	384.6	372.7	369.0	366.6	366.3	367.3	374.8	376.4
27.5°	382.9	360.5	342.2	324.2	318.8	315.8	311.4	316.4	317.5	325.6	329.0
30°	327.3	303.2	283.9	272.1	260.6	262.3	258.5	264.6	267.4	275.8	278.5
32.5°	270.4	247.7	228.4	216.5	208.4	209.4	206.7	212.1	214.8	225.0	230.0
35°	223.6	204.3	188.7	178.6	174.8	171.1	170.5	171.1	173.8	181.6	190.7
37.5°	196.9	181.0	169.7	162.3	157.2	154.9	153.5	153.5	153.5	155.2	159.6
40°	185.3	171.1	161.3	154.1	150.8	149.4	148.4	147.4	145.7	145.0	145.4
42.5°	180.2	164.0	153.5	148.1	146.0	146.0	146.0	145.4	143.6	142.0	140.3
45°	175.2	157.6	147.1	143.3	142.3	142.6	142.6	142.6	141.3	139.3	136.2
47.5°	168.7	150.4	139.9	137.6	137.6	138.6	138.9	138.9	137.6	135.5	133.1
50°	160.9	141.3	131.8	129.8	128.8	128.8	128.8	128.8	127.7	126.4	124.7
52.5°	156.9	136.2	126.4	124.4	124.4	123.4	123.0	122.0	121.0	119.9	117.6
55°	155.5	134.2	124.0	122.3	122.3	121.3	120.3	119.3	117.6	115.9	113.5
57.5°	151.8	129.8	121.0	119.6	119.6	118.9	117.9	116.9	115.2	112.9	109.8
60°	143.3	122.3	114.8	114.5	114.5	114.2	113.5	113.5	111.8	109.4	105.7
62.5°	132.5	114.5	107.4	107.4	107.1	106.7	105.4	105.1	103.0	100.0	96.5
65°	122.0	107.8	103.0	101.6	101.0	100.0	99.3	97.6	95.9	93.2	89.8
67.5°	108.8	97.6	94.6	93.2	91.8	90.8	89.8	88.8	86.8	84.7	82.0
70°	94.6	86.4	84.7	84.4	82.7	81.7	81.3	80.3	78.2	76.3	72.8
72.5°	81.0	76.3	74.9	74.9	72.8	71.5	70.8	70.5	69.1	67.4	64.4
75°	65.4	62.0	61.7	63.4	63.4	62.3	61.7	62.3	60.3	59.3	56.2
77.5°	53.5	51.8	50.8	51.5	53.5	52.5	51.2	51.2	51.2	49.4	48.5
80°	45.4	44.0	43.0	43.7	43.4	43.0	42.4	41.0	41.0	41.0	40.7
82.5°	41.0	40.7	37.0	37.0	35.6	34.6	33.9	33.2	32.5	32.5	34.2
85°	30.8	31.9	29.8	29.5	27.8	26.4	25.1	24.4	23.7	24.7	28.1
87.5°	14.9	14.9	14.2	15.9	14.6	13.9	12.9	12.2	12.9	15.9	19.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2
2.5°	551.3	550.9	550.6	549.9	548.6	548.2	547.6	547.6	547.2	546.5	547.2
5°	550.3	550.9	550.9	550.6	549.6	550.3	550.3	551.3	551.3	551.9	553.6
7.5°	548.9	550.6	551.9	553.0	554.3	555.4	557.4	560.4	561.8	564.2	565.1
10°	546.2	549.2	551.6	554.6	558.1	561.8	564.8	569.6	571.3	574.7	576.4
12.5°	538.4	543.5	547.6	553.6	559.4	565.1	570.6	576.7	579.7	583.4	585.8
15°	519.4	525.2	530.9	536.3	546.5	557.7	566.5	574.7	579.1	583.8	586.2
17.5°	496.7	500.5	505.2	512.3	522.1	532.0	546.2	557.7	564.5	569.9	570.6
20°	470.3	475.7	479.1	481.8	489.6	496.4	511.6	524.8	533.6	540.1	541.8
22.5°	430.0	435.7	441.5	443.5	449.6	458.5	466.9	481.1	493.7	503.2	508.9
25°	383.9	389.3	397.1	403.2	404.6	411.7	420.1	436.4	449.3	464.5	471.3
27.5°	337.8	342.5	351.0	354.4	358.5	365.6	372.4	385.9	399.5	417.1	424.6
30°	283.9	294.1	304.0	310.4	313.7	322.2	327.0	340.2	352.7	365.6	376.4
32.5°	237.8	247.0	258.2	266.3	270.4	276.8	284.3	295.4	305.3	317.8	330.4
35°	195.5	208.0	215.5	222.6	233.1	236.2	243.6	253.8	259.6	273.1	287.3
37.5°	165.7	173.2	180.6	187.7	196.5	200.6	207.7	216.2	223.0	231.1	244.0
40°	147.4	151.4	156.9	161.6	168.1	173.2	176.9	184.0	189.1	197.2	206.3
42.5°	138.9	139.9	140.6	144.0	147.4	150.8	154.9	157.9	164.0	170.1	175.9
45°	134.2	132.1	131.1	131.5	132.8	134.9	138.2	141.7	145.7	149.4	152.8
47.5°	130.1	127.4	124.4	122.6	123.0	123.7	126.4	129.1	131.1	134.2	135.5
50°	120.6	118.3	115.6	113.2	113.5	113.8	116.2	118.3	119.6	120.6	122.3
52.5°	114.5	111.1	108.8	106.4	106.1	107.1	109.1	111.1	111.8	112.5	112.9
55°	110.1	106.7	103.7	101.3	100.3	102.7	103.3	106.1	107.1	107.1	107.4
57.5°	106.7	102.7	99.6	97.3	95.6	97.3	98.9	102.0	102.3	101.6	101.6
60°	101.6	98.6	95.6	93.2	91.5	92.8	94.2	97.6	97.6	95.9	95.6
62.5°	92.8	91.1	89.1	88.1	87.8	89.1	90.1	92.8	91.8	89.8	89.1
65°	86.4	85.0	83.0	82.3	82.0	84.0	84.4	86.0	84.7	83.7	83.3
67.5°	78.6	77.6	76.6	76.3	75.2	75.2	75.9	76.9	76.3	76.3	76.6
70°	69.8	68.5	67.4	67.7	67.1	67.1	67.4	68.1	67.7	68.5	69.1
72.5°	61.7	60.0	59.6	59.6	59.0	59.3	59.3	59.6	60.3	60.7	62.3
75°	53.9	52.2	52.2	51.8	51.8	51.8	52.2	52.9	53.5	53.9	54.5
77.5°	46.7	45.7	46.1	45.7	45.7	45.7	45.7	46.7	47.1	47.5	48.5
80°	40.3	40.3	40.7	40.7	40.3	40.0	40.3	41.0	41.3	41.7	42.0
82.5°	36.6	37.0	37.0	37.0	35.2	34.6	35.6	36.2	37.0	37.3	37.9
85°	31.5	30.2	31.5	31.2	28.8	28.4	28.4	28.8	29.5	28.8	28.8
87.5°	20.3	18.3	19.3	19.3	16.9	13.9	17.6	19.0	16.9	17.9	17.9
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2
2.5°	548.2	547.6	547.9	547.9	548.6	547.6	548.9	550.3	550.6	550.6	550.9
5°	555.4	554.6	557.0	556.0	558.4	558.1	559.7	561.1	561.8	561.8	561.8
7.5°	566.5	568.9	570.2	574.0	574.3	576.4	578.0	579.7	579.1	579.4	579.1
10°	579.1	582.1	585.5	589.2	589.6	592.0	594.7	596.3	595.7	595.3	594.3
12.5°	589.9	592.0	596.0	599.7	601.7	605.5	608.2	609.5	609.5	608.5	607.5
15°	589.2	592.3	596.7	602.1	605.8	611.2	616.0	619.0	619.4	618.4	618.0
17.5°	574.3	578.7	582.8	590.2	597.0	604.5	612.2	616.7	620.8	623.1	624.5
20°	547.6	553.0	558.7	568.6	577.7	587.5	596.7	603.1	609.2	616.3	624.8
22.5°	516.1	524.2	532.3	544.9	556.0	567.2	577.7	585.5	595.0	607.2	623.1
25°	479.1	487.6	497.8	512.3	526.6	542.8	558.4	574.0	592.3	613.3	638.0
27.5°	435.4	444.9	458.1	475.7	492.0	508.6	533.0	557.7	587.5	614.6	642.8
30°	392.0	404.2	418.4	436.1	452.3	476.0	500.5	530.9	562.4	593.0	626.5
32.5°	345.2	360.5	378.1	392.7	411.0	435.1	459.5	492.0	525.5	561.4	598.4
35°	300.2	314.8	328.7	344.9	363.2	385.9	409.6	440.8	483.2	521.5	565.5
37.5°	254.5	268.0	277.9	290.7	306.7	331.7	357.1	393.1	433.0	480.1	524.2
40°	214.5	225.7	236.8	247.0	260.6	284.3	311.4	346.6	385.9	431.6	480.8
42.5°	182.6	191.1	203.3	215.5	227.0	247.3	272.8	307.3	346.3	393.1	442.2
45°	155.9	161.6	171.4	181.6	195.8	212.8	237.2	272.4	312.1	359.2	411.0
47.5°	136.6	139.3	146.0	156.5	169.7	186.4	207.4	239.2	277.9	325.3	379.8
50°	123.4	126.4	129.8	138.6	150.4	167.4	184.7	212.5	247.7	294.1	348.3
52.5°	114.2	115.6	116.9	122.3	133.1	147.4	165.7	186.7	222.3	266.6	315.5
55°	108.8	109.1	110.1	112.9	121.0	134.2	150.1	170.1	197.9	239.9	289.7
57.5°	102.3	103.0	104.0	105.7	110.8	122.6	136.2	152.5	175.5	210.8	258.5
60°	96.2	97.9	99.6	100.6	103.3	110.5	122.0	134.9	153.5	179.9	217.9
62.5°	89.8	91.8	93.2	94.2	95.2	99.6	108.1	116.6	128.1	145.4	173.8
65°	84.0	85.4	86.4	87.1	87.8	89.1	92.8	96.2	99.6	110.1	130.8
67.5°	77.6	78.2	78.6	79.0	78.6	78.6	79.0	80.3	81.7	85.7	95.6
70°	70.1	71.2	71.2	71.5	71.5	70.5	70.5	70.5	70.5	71.5	76.9
72.5°	63.0	64.4	64.4	64.7	64.4	64.0	64.0	64.0	65.0	65.8	67.7
75°	56.2	57.6	57.2	57.6	58.0	58.0	58.6	59.0	60.0	60.3	61.7
77.5°	49.4	50.5	50.8	50.5	51.2	51.8	53.2	53.9	54.2	54.5	54.9
80°	43.0	43.7	43.4	42.4	44.0	45.1	47.1	49.4	48.8	49.1	49.8
82.5°	35.6	34.6	33.9	34.6	35.6	37.0	38.9	42.0	42.4	44.0	43.7
85°	27.4	24.4	24.1	25.7	25.4	27.1	30.5	32.9	34.9	36.6	34.9
87.5°	16.3	14.6	12.2	11.5	12.5	16.6	17.3	21.0	22.7	23.4	21.0
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°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2
2.5°	581.8	583.4	583.4	584.2	585.2	585.5	586.9	589.2	589.6	589.6	590.6
5°	592.6	594.3	594.3	595.7	596.0	597.7	599.4	602.1	603.5	603.1	607.5
7.5°	610.3	608.9	607.9	609.9	610.9	613.0	616.3	618.7	621.1	624.8	630.9
10°	625.1	623.1	622.1	623.5	624.1	626.5	628.6	631.9	637.7	643.4	650.9
12.5°	637.3	635.0	632.3	632.9	634.0	637.0	640.4	644.8	653.3	660.7	671.9
15°	647.5	644.1	641.4	642.8	645.1	649.2	655.0	662.8	676.6	689.5	704.4
17.5°	657.4	656.6	655.6	660.1	661.7	671.2	679.7	693.9	712.9	732.2	753.5
20°	666.8	674.3	678.0	686.8	692.2	705.1	718.0	735.2	759.3	785.8	814.9
22.5°	680.0	700.4	712.9	730.9	740.0	753.9	772.9	795.6	822.4	856.2	893.5
25°	711.5	741.4	766.4	794.6	817.6	838.9	861.7	889.1	927.7	958.6	1007.3
27.5°	725.5	767.5	805.1	844.7	879.2	912.1	948.1	981.2	1027.0	1068.7	1127.6
30°	712.2	759.7	808.4	860.3	910.8	960.6	1012.7	1063.6	1116.4	1174.7	1237.4
32.5°	687.8	741.0	795.9	856.9	919.6	984.3	1052.0	1126.0	1200.5	1273.0	1337.0
35°	663.1	720.4	781.3	851.2	925.0	1005.3	1089.4	1182.8	1281.5	1373.3	1457.0
37.5°	627.2	690.2	760.0	840.7	928.4	1027.3	1135.4	1250.6	1375.3	1501.7	1611.5
40°	583.8	650.6	726.8	819.7	925.0	1050.1	1190.6	1338.4	1498.6	1652.8	1787.6
42.5°	544.1	609.2	690.5	791.5	916.2	1070.0	1243.1	1427.2	1616.9	1789.4	1965.5
45°	509.3	581.1	662.8	771.8	911.8	1087.0	1282.1	1493.6	1710.8	1916.1	2124.1
47.5°	477.4	551.9	643.4	761.0	909.8	1097.2	1309.3	1537.0	1777.5	2013.3	2254.9
50°	444.5	517.1	615.0	749.2	904.7	1096.8	1323.5	1566.4	1824.2	2088.9	2345.0
52.5°	409.3	482.2	580.4	727.4	893.8	1090.7	1327.2	1586.4	1861.2	2135.3	2421.6
55°	377.1	445.2	543.5	691.2	871.1	1075.8	1318.7	1594.9	1887.3	2181.4	2475.5
57.5°	340.2	411.0	504.5	641.4	828.4	1049.3	1294.7	1583.0	1894.7	2212.2	2518.2
60°	289.4	358.8	455.0	582.4	761.7	993.5	1249.9	1547.1	1871.0	2217.7	2548.7
62.5°	231.1	291.1	383.9	501.1	667.9	905.7	1167.3	1466.5	1797.2	2166.8	2533.1
65°	171.8	211.7	291.7	394.7	559.1	773.5	1034.1	1331.3	1652.8	2025.5	2435.2
67.5°	119.6	148.4	197.5	274.1	406.6	597.4	844.0	1120.2	1429.5	1763.9	2231.9
70°	90.5	103.7	130.4	173.2	263.3	406.9	613.6	859.6	1146.6	1468.8	1909.6
72.5°	77.3	84.0	98.9	118.6	161.3	247.3	385.3	591.6	846.1	1108.3	1465.1
75°	69.5	75.2	84.7	97.3	114.2	150.1	226.0	374.4	560.4	742.4	1022.3
77.5°	63.0	68.1	76.6	83.0	92.2	108.1	144.0	224.0	335.8	458.8	634.3
80°	56.2	59.3	67.1	73.5	80.6	89.8	103.3	140.6	192.8	271.7	374.0
82.5°	48.1	50.5	56.2	65.0	70.5	74.2	78.2	93.2	115.6	147.4	207.7
85°	37.3	38.9	44.0	50.5	52.9	53.2	53.9	58.0	71.8	110.5	178.9
87.5°	19.0	21.0	26.4	28.4	24.1	26.1	26.4	28.1	37.3	60.7	61.7
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°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	0°
2.5°	590.6	591.6	593.9	593.6	595.3	595.3	595.3	597.0	596.0	597.0	598.7	2.5°
5°	607.5	609.2	612.6	612.6	613.0	611.9	614.0	615.3	613.6	613.0	613.3	5°
7.5°	632.3	635.0	637.7	640.4	642.4	641.4	641.8	638.7	638.0	635.6	632.6	7.5°
10°	656.3	663.8	668.9	673.6	673.9	672.9	673.3	668.2	667.1	662.4	659.3	10°
12.5°	681.1	690.5	698.6	703.7	706.8	707.5	707.8	707.8	703.1	699.0	691.9	12.5°
15°	717.7	734.2	746.8	752.2	756.6	760.7	761.7	763.0	759.3	753.9	752.9	15°
17.5°	775.6	791.2	807.8	822.4	832.1	832.9	841.3	840.7	848.5	842.3	840.7	17.5°
20°	844.4	878.2	895.5	914.8	926.0	931.4	951.1	945.0	950.8	960.6	950.8	20°
22.5°	930.4	973.4	998.5	1025.0	1043.3	1056.5	1070.7	1081.9	1097.5	1104.9	1098.1	22.5°
25°	1044.6	1093.7	1123.6	1160.2	1189.3	1213.0	1237.7	1267.6	1267.2	1285.2	1297.7	25°
27.5°	1175.8	1238.4	1281.8	1346.2	1371.2	1411.2	1453.6	1499.6	1507.8	1531.2	1543.0	27.5°
30°	1299.1	1376.6	1462.7	1539.3	1626.1	1685.3	1734.5	1767.0	1816.1	1804.0	1797.2	30°
32.5°	1412.9	1516.3	1638.9	1764.6	1902.2	1996.0	2082.8	2123.1	2153.6	2088.9	2003.2	32.5°
35°	1560.7	1684.3	1824.6	1979.8	2154.6	2287.8	2377.3	2389.7	2372.5	2289.5	2147.5	35°
37.5°	1743.6	1873.4	2033.0	2197.0	2382.7	2507.7	2609.7	2627.9	2582.2	2434.1	2285.1	37.5°
40°	1924.2	2076.4	2249.5	2443.6	2636.1	2773.7	2876.0	2881.4	2806.9	2633.7	2459.2	40°
42.5°	2121.8	2288.1	2480.9	2696.1	2894.9	3034.2	3108.1	3131.5	3026.1	2804.2	2636.8	42.5°
45°	2292.2	2491.1	2705.9	2934.6	3142.7	3274.8	3350.0	3342.5	3215.2	2995.9	2799.8	45°
47.5°	2458.2	2677.1	2903.5	3146.4	3353.0	3486.5	3563.8	3557.0	3395.4	3143.0	2927.2	47.5°
50°	2605.9	2843.5	3085.4	3344.9	3550.9	3673.3	3767.8	3738.0	3533.6	3261.2	3009.2	50°
52.5°	2708.6	2973.6	3226.3	3506.9	3719.0	3834.9	3955.1	3859.3	3615.3	3333.8	3053.2	52.5°
55°	2773.7	3063.0	3326.6	3637.0	3845.4	3983.9	4061.6	3925.3	3646.8	3353.8	3068.5	55°
57.5°	2817.7	3112.1	3385.6	3712.2	3959.2	4075.4	4094.4	3927.7	3626.5	3322.3	3053.2	57.5°
60°	2839.4	3126.7	3412.4	3765.1	4039.2	4102.9	4068.4	3872.8	3556.4	3229.7	2954.9	60°
62.5°	2837.0	3108.4	3398.5	3782.7	4055.1	4063.3	3984.7	3779.3	3427.3	3035.6	2791.6	62.5°
65°	2776.7	3041.7	3320.2	3717.3	3980.9	3946.0	3847.1	3603.8	3176.2	2782.1	2658.8	65°
67.5°	2602.9	2857.0	3115.6	3503.2	3771.8	3738.0	3588.2	3258.8	2884.4	2557.8	2491.4	67.5°
70°	2312.2	2527.7	2754.7	3095.2	3377.1	3331.4	3069.5	2869.2	2595.4	2298.6	2275.6	70°
72.5°	1933.0	2096.3	2261.0	2514.5	2708.6	2615.1	2450.4	2439.9	2218.7	1992.0	1996.7	72.5°
75°	1511.9	1634.5	1711.4	1860.5	1989.6	1905.9	1915.7	1974.0	1901.2	1722.6	1664.7	75°
77.5°	1095.4	1213.0	1237.4	1325.8	1416.7	1511.9	1637.9	1775.2	1798.2	1697.9	1487.8	77.5°
80°	716.9	846.4	798.3	829.8	957.5	1131.4	1361.4	1587.4	1665.0	1574.9	1316.3	80°
82.5°	422.9	604.1	527.6	581.5	662.4	813.9	972.8	1143.2	1273.0	1177.1	1099.5	82.5°
85°	321.2	476.4	504.5	569.9	596.3	602.8	630.5	686.2	753.2	778.3	776.3	85°
87.5°	167.4	370.3	415.7	384.6	358.8	311.0	242.6	261.2	238.9	326.6	309.4	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°
566.2	566.2	566.2	566.2	566.2	566.2	566.2
599.0	598.0	598.7	599.0	599.0	599.0	599.7
613.0	610.3	609.2	609.2	608.9	607.9	607.5
627.8	623.1	621.4	619.4	617.7	616.7	615.0
654.6	650.6	642.1	637.3	632.9	629.9	627.2
690.5	684.8	676.6	670.6	663.8	661.7	658.3
746.1	741.0	733.9	727.1	723.1	715.9	710.9
832.9	822.7	815.6	806.8	796.9	782.3	775.3
947.0	926.7	912.5	904.7	885.0	882.7	865.4
1078.1	1072.1	1050.4	1040.9	1021.9	1014.5	987.4
1274.3	1269.6	1225.2	1220.5	1191.3	1169.6	1127.6
1532.2	1493.2	1443.1	1408.2	1358.4	1302.5	1231.0
1757.5	1677.9	1601.3	1520.0	1451.2	1370.9	1289.9
1901.2	1794.4	1695.8	1612.5	1527.4	1431.9	1327.9
2027.2	1919.5	1812.1	1713.5	1610.5	1488.1	1359.7
2178.0	2071.0	1949.9	1811.4	1679.2	1529.5	1372.6
2332.5	2207.2	2056.0	1886.3	1720.3	1549.8	1370.2
2490.7	2330.5	2129.5	1936.1	1746.4	1552.9	1354.3
2619.2	2416.6	2184.1	1961.5	1751.8	1542.4	1334.3
2710.0	2471.8	2208.5	1970.3	1745.0	1525.7	1307.2
2761.8	2501.9	2214.6	1963.9	1731.1	1502.0	1277.7
2780.8	2511.1	2208.5	1950.7	1718.5	1476.6	1257.1
2778.7	2506.0	2186.2	1919.8	1685.0	1442.8	1231.6
2740.4	2458.9	2140.4	1882.9	1656.5	1427.2	1233.4
2675.4	2429.1	2126.8	1890.4	1671.4	1460.7	1286.9
2645.9	2488.7	2203.1	1964.9	1748.0	1556.6	1397.3
2629.3	2585.6	2312.2	2045.2	1838.8	1672.8	1529.2
2561.6	2613.4	2374.2	2090.9	1919.8	1789.4	1660.9
2452.1	2548.7	2327.1	2082.1	1964.5	1878.8	1708.4
2223.7	2325.7	2117.3	1952.3	1908.7	1880.2	1637.2
1801.6	1854.4	1735.8	1698.5	1714.8	1715.2	1373.3
1328.6	1296.7	1243.1	1245.9	1355.3	1338.4	978.9
1084.6	887.8	811.9	840.7	975.8	903.0	615.0
1009.4	791.8	653.6	660.4	737.0	581.8	370.3
816.2	721.7	578.7	519.4	504.2	387.6	251.4
341.5	314.1	233.8	210.8	172.8	105.7	48.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)