

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: P159083

Luminaire Tested: **VST-F02-LED-E-U-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159083
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-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3744.7 lumens
Efficiency: N/A
Efficacy: 68.1 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



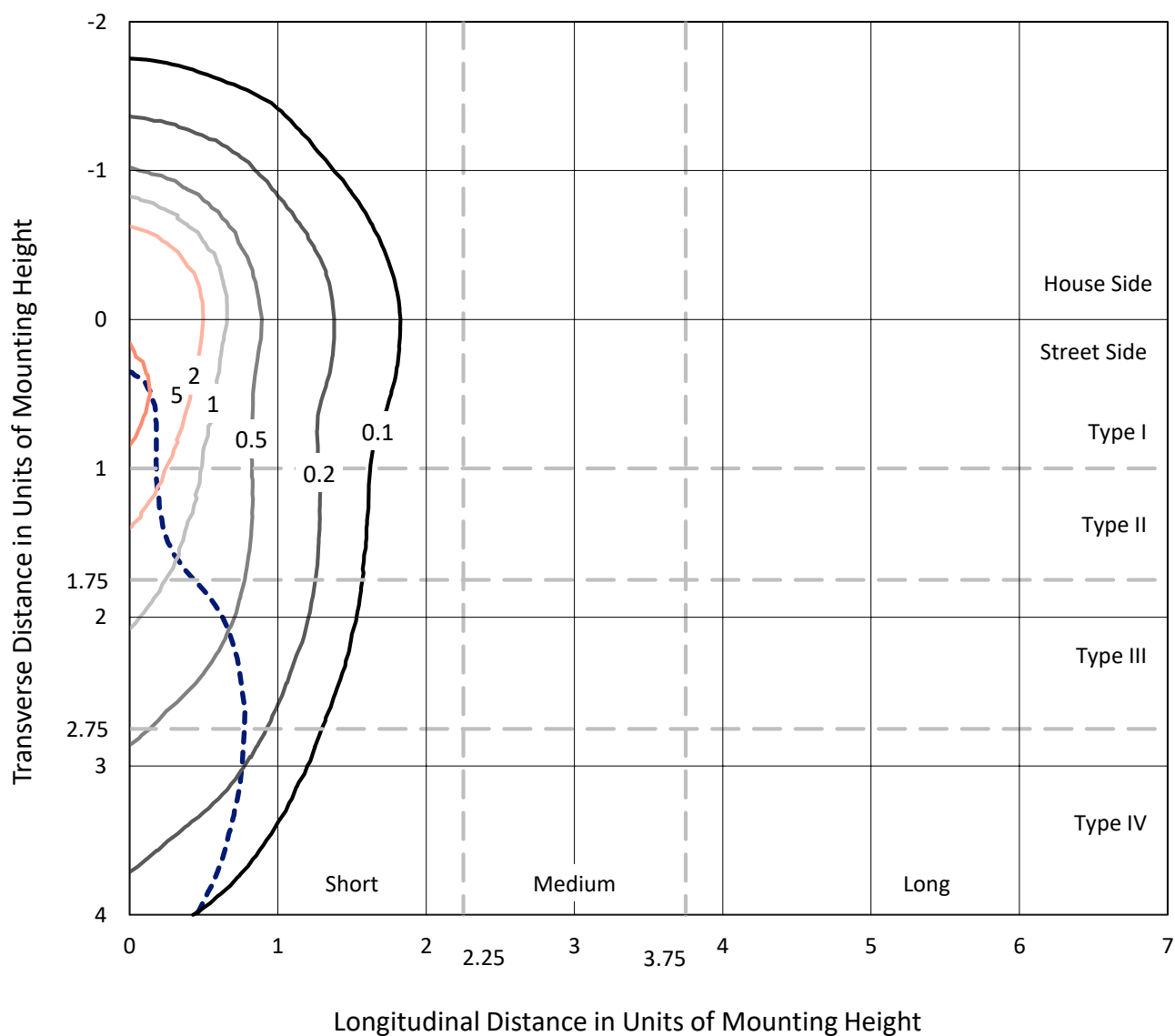
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

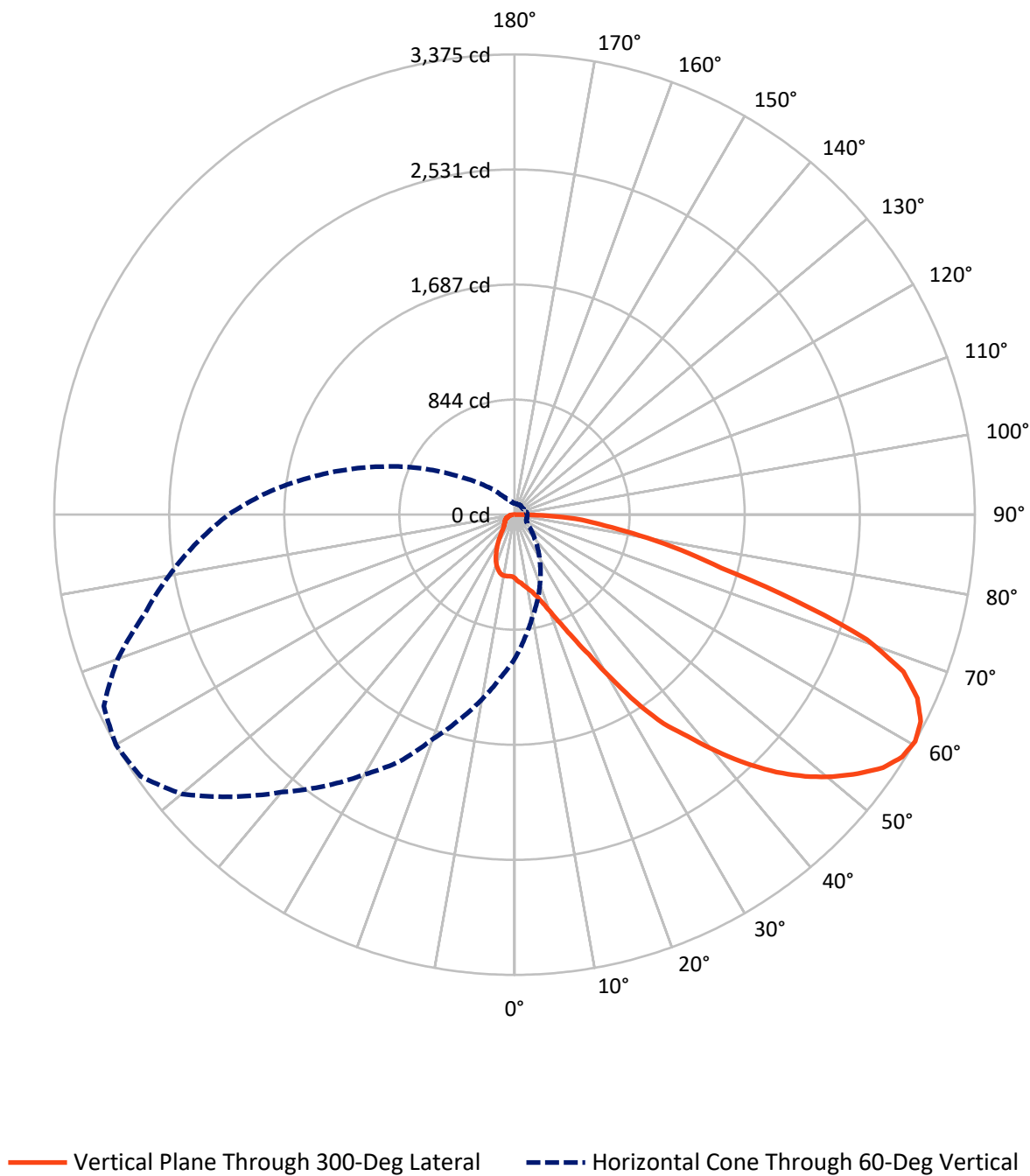


Based on 10 foot mounting height. Maximum calculated value = 7 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	843.2	0.0	843.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	2901.5	0.0	2901.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	3744.7	0.0	3744.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.2
10°-20°	148.3	4.0
20°-30°	281.5	7.5
30°-40°	443.3	11.8
40°-50°	618.8	16.5
50°-60°	765.3	20.4
60°-70°	793.2	21.2
70°-80°	499.1	13.3
80°-90°	149.2	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°	3744.7	100.0
0°-180°	3744.7	100.0

Coefficient of Utilization



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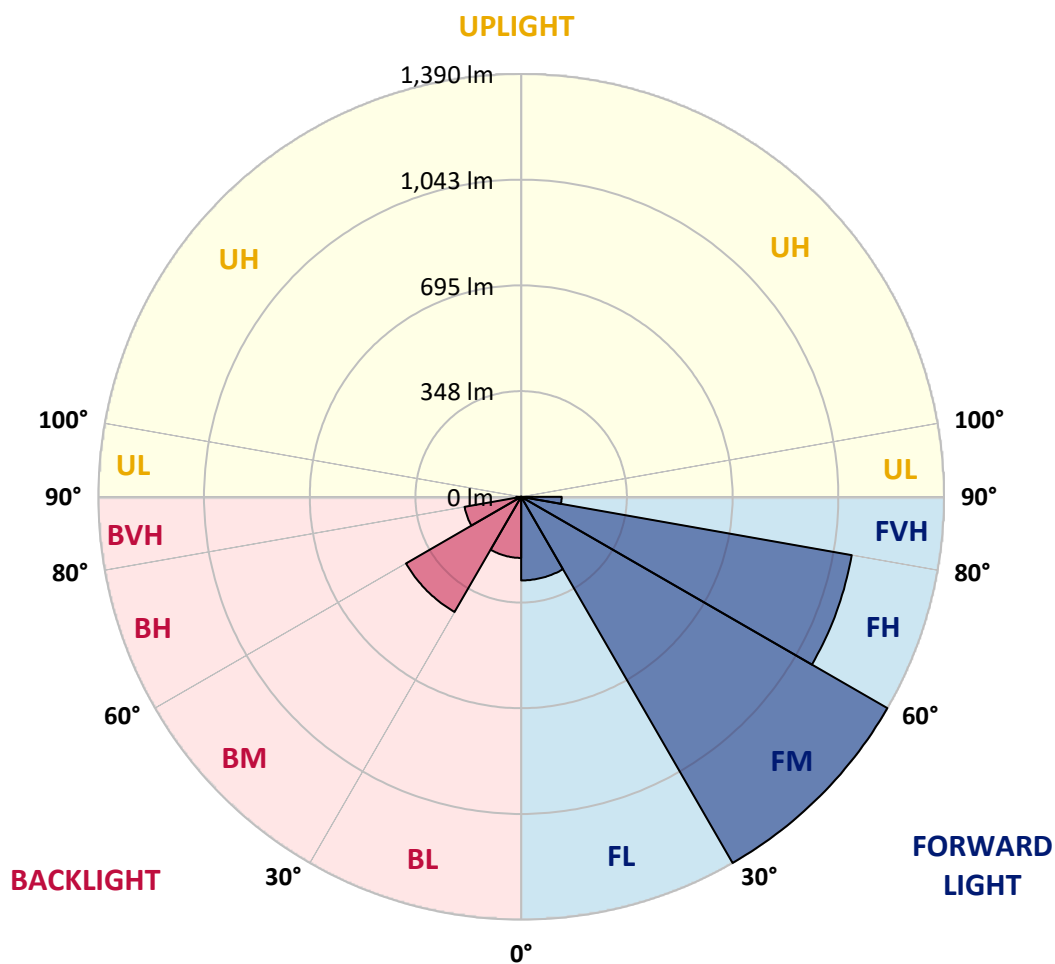
CATALOG NUMBER: VST-F02-LED-E-U-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.9	7.3			
FM	(30°-60°)	1390.1	37.1			
FH	(60°-80°)	1103.5	29.5			G1/1800
FVH	(80°-90°)	133.0	3.6			G2/225
BL	(0°-30°)	200.9	5.4	B1/500		
BM	(30°-60°)	437.2	11.7	B1/1000		
BH	(60°-80°)	188.8	5.0	B1/500		G1/500
BVH	(80°-90°)	16.2	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°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7
2.5°	493.3	463.7	464.3	463.4	463.4	462.9	463.4	462.9	462.4	462.4	462.7
5°	499.7	467.1	467.1	466.3	465.7	465.1	465.7	465.1	464.9	464.3	464.6
7.5°	505.9	469.0	467.9	466.8	465.4	466.0	466.0	465.7	466.0	465.7	466.3
10°	515.9	475.4	472.7	470.2	469.9	469.3	469.3	468.5	468.5	467.9	468.2
12.5°	541.5	495.2	492.2	487.7	486.9	484.4	483.0	481.3	478.5	476.0	474.1
15°	584.7	528.1	522.3	518.4	516.7	511.7	503.9	497.8	489.7	482.7	475.4
17.5°	637.7	572.2	565.2	560.2	551.8	538.1	525.1	510.0	494.4	480.2	467.1
20°	711.8	635.4	621.8	609.8	588.9	565.5	541.0	514.7	490.8	468.5	449.3
22.5°	812.1	717.1	691.7	659.6	620.9	581.3	542.3	506.1	474.1	445.1	419.5
25°	927.5	795.1	749.4	694.2	634.9	580.3	529.0	482.4	445.1	407.7	379.9
27.5°	1012.5	860.3	792.9	720.4	644.6	574.9	512.0	455.6	410.5	372.4	338.6
30°	1061.0	897.7	816.6	731.6	646.3	566.0	490.5	425.3	373.2	327.7	295.4
32.5°	1092.2	917.8	819.1	720.4	626.2	539.6	457.9	390.2	333.6	285.1	250.8
35°	1118.4	925.8	807.4	695.6	588.3	499.4	416.1	348.4	288.4	243.8	208.7
37.5°	1129.0	924.4	788.7	662.5	551.3	455.6	373.4	304.1	250.6	211.3	181.1
40°	1127.0	911.6	763.3	627.1	507.8	410.0	328.3	267.2	223.8	190.6	168.6
42.5°	1114.0	894.6	735.2	591.1	467.9	372.1	297.7	243.6	208.4	183.4	164.2
45°	1097.5	874.3	709.6	558.2	436.4	345.0	279.8	236.9	206.5	182.5	161.9
47.5°	1075.2	851.7	683.6	534.8	419.7	337.0	279.5	240.8	208.2	180.6	158.0
50°	1051.0	835.3	669.4	524.8	417.8	341.9	289.3	246.9	209.3	178.6	152.7
52.5°	1034.0	828.0	669.1	528.4	428.1	355.9	300.7	254.7	213.5	179.8	151.6
55°	1013.0	826.9	676.4	544.0	450.7	379.6	318.8	268.1	222.1	184.0	152.5
57.5°	1014.4	848.9	704.5	582.5	491.3	411.7	341.9	284.5	230.5	186.4	151.1
60°	1058.5	900.2	760.0	648.2	544.6	449.3	365.6	293.5	229.9	180.9	144.4
62.5°	1149.4	977.1	843.1	725.5	598.6	478.3	374.3	290.9	221.6	168.9	133.5
65°	1257.7	1067.1	923.9	785.3	631.5	484.9	366.8	277.0	204.8	153.3	120.4
67.5°	1366.1	1130.9	970.4	802.4	618.1	457.9	338.9	245.8	176.4	132.1	105.6
70°	1405.2	1144.0	966.8	764.2	557.4	390.7	279.0	197.9	141.6	108.1	88.9
72.5°	1346.6	1062.1	859.5	649.4	453.2	302.9	204.5	146.0	108.1	84.7	72.5
75°	1129.6	855.3	679.4	489.1	327.2	214.3	147.7	106.4	81.4	67.1	58.0
77.5°	805.1	595.6	462.9	321.4	212.3	148.6	105.9	80.0	64.7	53.8	47.1
80°	505.9	365.6	282.1	192.8	132.4	100.9	76.1	63.2	52.1	43.7	39.3
82.5°	304.6	212.9	166.1	119.8	86.9	69.1	56.0	49.6	41.5	36.2	33.7
85°	206.8	156.6	109.0	70.8	52.4	40.7	38.2	34.3	31.0	25.9	25.1
87.5°	39.6	56.0	48.8	29.0	19.2	16.4	14.5	13.9	12.5	10.0	11.4
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°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7
2.5°	461.0	460.4	459.3	459.3	458.5	456.8	456.5	455.4	454.0	454.3	454.0
5°	462.7	461.5	460.1	459.5	458.5	456.8	455.9	454.6	453.2	453.2	453.2
7.5°	464.6	463.2	462.1	460.1	457.9	456.2	454.0	452.3	451.5	451.2	451.5
10°	466.3	465.4	463.7	461.0	457.9	454.6	452.3	450.1	447.8	448.1	448.4
12.5°	469.9	467.1	462.7	458.5	453.7	449.5	445.6	442.9	440.0	440.0	440.3
15°	467.4	459.3	453.2	445.1	439.8	433.1	428.6	426.1	424.4	423.9	424.2
17.5°	452.6	442.9	433.6	426.4	419.2	413.9	411.9	410.2	408.0	409.1	408.0
20°	430.3	418.3	405.2	396.6	388.0	384.3	381.0	379.3	377.9	382.9	382.9
22.5°	398.3	383.8	370.4	359.8	350.0	346.1	342.8	340.9	341.7	347.8	348.4
25°	357.8	340.3	322.7	316.3	306.5	303.5	301.6	301.3	302.1	308.2	309.6
27.5°	314.9	296.5	281.5	266.7	262.3	259.7	256.1	260.3	261.1	267.8	270.6
30°	269.2	249.4	233.5	223.8	214.3	215.7	212.6	217.7	219.9	226.9	229.1
32.5°	222.4	203.7	187.9	178.1	171.4	172.3	170.0	174.5	176.7	185.0	189.2
35°	184.0	168.1	155.2	146.9	143.8	140.8	140.2	140.8	143.0	149.4	156.9
37.5°	161.9	148.8	139.6	133.5	129.3	127.4	126.2	126.2	126.2	127.6	131.3
40°	152.5	140.8	132.7	126.8	124.0	122.9	122.0	121.3	119.8	119.3	119.6
42.5°	148.3	134.9	126.2	121.8	120.1	120.1	120.1	119.6	118.1	116.8	115.4
45°	144.1	129.6	121.0	117.9	117.1	117.4	117.4	117.4	116.2	114.5	112.0
47.5°	138.8	123.7	115.1	113.2	113.2	114.0	114.2	114.2	113.2	111.5	109.5
50°	132.4	116.2	108.4	106.7	105.9	105.9	105.9	105.9	105.1	104.0	102.5
52.5°	129.1	112.0	104.0	102.3	102.3	101.5	101.2	100.3	99.5	98.6	96.7
55°	127.9	110.3	102.0	100.6	100.6	99.8	98.9	98.1	96.7	95.3	93.4
57.5°	124.9	106.7	99.5	98.4	98.4	97.8	97.0	96.1	94.7	92.8	90.3
60°	117.9	100.6	94.5	94.2	94.2	93.9	93.4	93.4	92.0	90.0	86.9
62.5°	109.0	94.2	88.3	88.3	88.1	87.8	86.7	86.4	84.7	82.2	79.4
65°	100.3	88.6	84.7	83.6	83.0	82.2	81.7	80.3	78.9	76.6	73.9
67.5°	89.5	80.3	77.8	76.6	75.5	74.7	73.9	73.0	71.3	69.7	67.4
70°	77.8	71.0	69.7	69.4	68.0	67.1	66.9	66.1	64.4	62.7	59.9
72.5°	66.6	62.7	61.6	61.6	59.9	58.8	58.3	58.0	56.9	55.4	53.0
75°	53.8	51.0	50.7	52.1	52.1	51.3	50.7	51.3	49.6	48.8	46.3
77.5°	44.0	42.7	41.8	42.4	44.0	43.2	42.1	42.1	42.1	40.7	39.8
80°	37.3	36.2	35.4	35.9	35.7	35.4	34.9	33.7	33.7	33.7	33.4
82.5°	33.7	33.4	30.4	30.4	29.3	28.4	27.8	27.3	26.8	26.8	28.1
85°	25.4	26.2	24.5	24.2	22.9	21.7	20.6	20.0	19.5	20.3	23.2
87.5°	12.2	12.2	11.7	13.1	12.0	11.4	10.6	10.0	10.6	13.1	15.6
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°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7
2.5°	453.4	453.2	452.9	452.3	451.2	450.9	450.4	450.4	450.1	449.5	450.1
5°	452.6	453.2	453.2	452.9	452.0	452.6	452.6	453.4	453.4	454.0	455.4
7.5°	451.5	452.9	454.0	454.8	455.9	456.8	458.5	461.0	462.1	464.0	464.9
10°	449.3	451.7	453.7	456.2	459.0	462.1	464.6	468.5	469.9	472.7	474.1
12.5°	442.9	447.0	450.4	455.4	460.1	464.9	469.3	474.4	476.8	479.9	481.9
15°	427.3	432.0	436.7	441.2	449.5	458.8	466.0	472.7	476.3	480.2	482.2
17.5°	408.5	411.7	415.6	421.4	429.5	437.5	449.3	458.8	464.3	468.8	469.3
20°	386.8	391.3	394.1	396.3	402.7	408.3	420.8	431.7	439.0	444.2	445.6
22.5°	353.6	358.4	363.1	364.8	369.8	377.1	384.1	395.8	406.1	413.9	418.6
25°	315.8	320.2	326.6	331.6	332.8	338.6	345.6	359.0	369.5	382.1	387.7
27.5°	277.9	281.8	288.7	291.5	294.8	300.7	306.3	317.5	328.6	343.1	349.2
30°	233.5	241.9	250.0	255.3	258.1	265.0	268.9	279.8	290.1	300.7	309.6
32.5°	195.7	203.2	212.3	219.1	222.4	227.7	233.8	243.0	251.1	261.4	271.7
35°	160.8	171.1	177.2	183.1	191.8	194.2	200.4	208.7	213.5	224.6	236.3
37.5°	136.3	142.4	148.6	154.4	161.6	165.0	170.8	177.8	183.4	190.1	200.6
40°	121.3	124.6	129.1	133.0	138.2	142.4	145.5	151.3	155.5	162.2	169.7
42.5°	114.2	115.1	115.7	118.4	121.3	124.0	127.4	129.9	134.9	139.9	144.7
45°	110.3	108.7	107.9	108.1	109.3	110.9	113.7	116.5	119.8	122.9	125.7
47.5°	107.0	104.8	102.3	100.9	101.2	101.7	104.0	106.2	107.9	110.3	111.5
50°	99.2	97.3	95.0	93.1	93.4	93.7	95.6	97.3	98.4	99.2	100.6
52.5°	94.2	91.4	89.5	87.5	87.2	88.1	89.8	91.4	92.0	92.5	92.8
55°	90.6	87.8	85.3	83.3	82.5	84.4	85.0	87.2	88.1	88.1	88.3
57.5°	87.8	84.4	82.0	80.0	78.6	80.0	81.4	83.9	84.2	83.6	83.6
60°	83.6	81.1	78.6	76.6	75.2	76.4	77.5	80.3	80.3	78.9	78.6
62.5°	76.4	74.9	73.3	72.5	72.2	73.3	74.2	76.4	75.5	73.9	73.3
65°	71.0	70.0	68.3	67.7	67.4	69.1	69.4	70.8	69.7	68.8	68.6
67.5°	64.7	63.8	63.0	62.7	61.9	61.9	62.4	63.2	62.7	62.7	63.0
70°	57.4	56.3	55.4	55.7	55.2	55.2	55.4	56.0	55.7	56.3	56.9
72.5°	50.7	49.3	49.1	49.1	48.5	48.8	48.8	49.1	49.6	49.9	51.3
75°	44.3	42.9	42.9	42.7	42.7	42.7	42.9	43.5	44.0	44.3	44.9
77.5°	38.5	37.6	37.9	37.6	37.6	37.6	37.6	38.5	38.8	39.0	39.8
80°	33.2	33.2	33.4	33.4	33.2	32.9	33.2	33.7	34.0	34.3	34.6
82.5°	30.1	30.4	30.4	30.4	29.0	28.4	29.3	29.8	30.4	30.7	31.2
85°	25.9	24.8	25.9	25.6	23.7	23.4	23.4	23.7	24.2	23.7	23.7
87.5°	16.7	15.1	15.9	15.9	13.9	11.4	14.5	15.6	13.9	14.8	14.8
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7
2.5°	450.9	450.4	450.7	450.7	451.2	450.4	451.5	452.6	452.9	452.9	453.2
5°	456.8	456.2	458.2	457.3	459.3	459.0	460.4	461.5	462.1	462.1	462.1
7.5°	466.0	467.9	469.0	472.1	472.4	474.1	475.4	476.8	476.3	476.6	476.3
10°	476.3	478.8	481.6	484.6	484.9	486.9	489.1	490.5	490.0	489.7	488.8
12.5°	485.2	486.9	490.2	493.3	494.9	498.0	500.3	501.4	501.4	500.5	499.7
15°	484.6	487.1	490.8	495.2	498.3	502.7	506.6	509.2	509.5	508.6	508.3
17.5°	472.4	476.0	479.3	485.5	491.0	497.2	503.6	507.2	510.5	512.5	513.7
20°	450.4	454.8	459.5	467.6	475.2	483.2	490.8	496.1	501.1	506.9	513.9
22.5°	424.4	431.2	437.8	448.1	457.3	466.6	475.2	481.6	489.4	499.4	512.5
25°	394.1	401.0	409.4	421.4	433.1	446.5	459.3	472.1	487.1	504.4	524.8
27.5°	358.1	365.9	376.8	391.3	404.6	418.3	438.4	458.8	483.2	505.6	528.7
30°	322.4	332.5	344.2	358.7	372.1	391.6	411.7	436.7	462.7	487.7	515.3
32.5°	284.0	296.5	311.0	323.0	338.0	357.8	377.9	404.6	432.2	461.8	492.2
35°	246.9	258.9	270.4	283.7	298.7	317.5	337.0	362.6	397.4	428.9	465.1
37.5°	209.3	220.4	228.5	239.1	252.2	272.8	293.8	323.3	356.2	394.9	431.2
40°	176.4	185.6	194.8	203.2	214.3	233.8	256.1	285.1	317.5	355.1	395.5
42.5°	150.2	157.2	167.2	177.2	186.7	203.5	224.3	252.8	284.8	323.3	363.7
45°	128.2	133.0	141.0	149.4	161.1	175.0	195.1	224.1	256.7	295.4	338.0
47.5°	112.3	114.5	120.1	128.8	139.6	153.3	170.6	196.7	228.5	267.5	312.4
50°	101.5	104.0	106.7	114.0	123.7	137.7	151.9	174.7	203.7	241.9	286.5
52.5°	93.9	95.0	96.1	100.6	109.5	121.3	136.3	153.5	182.8	219.4	259.4
55°	89.5	89.8	90.6	92.8	99.5	110.3	123.5	139.9	162.8	197.3	238.3
57.5°	84.2	84.7	85.6	86.9	91.1	100.9	112.0	125.4	144.4	173.3	212.6
60°	79.1	80.5	82.0	82.8	85.0	90.8	100.3	110.9	126.2	148.0	179.2
62.5°	73.9	75.5	76.6	77.5	78.3	82.0	88.9	95.9	105.4	119.6	143.0
65°	69.1	70.3	71.0	71.6	72.2	73.3	76.4	79.1	82.0	90.6	107.6
67.5°	63.8	64.4	64.7	64.9	64.7	64.7	64.9	66.1	67.1	70.5	78.6
70°	57.7	58.5	58.5	58.8	58.8	58.0	58.0	58.0	58.0	58.8	63.2
72.5°	51.8	53.0	53.0	53.2	53.0	52.7	52.7	52.7	53.5	54.1	55.7
75°	46.3	47.4	47.1	47.4	47.6	47.6	48.2	48.5	49.3	49.6	50.7
77.5°	40.7	41.5	41.8	41.5	42.1	42.7	43.7	44.3	44.6	44.9	45.1
80°	35.4	35.9	35.7	34.9	36.2	37.1	38.8	40.7	40.1	40.4	41.0
82.5°	29.3	28.4	27.8	28.4	29.3	30.4	32.0	34.6	34.9	36.2	35.9
85°	22.6	20.0	19.8	21.2	20.9	22.3	25.1	27.1	28.7	30.1	28.7
87.5°	13.4	12.0	10.0	9.5	10.3	13.7	14.2	17.3	18.7	19.2	17.3
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°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7
2.5°	478.5	479.9	479.9	480.5	481.3	481.6	482.7	484.6	484.9	484.9	485.8
5°	487.4	488.8	488.8	490.0	490.2	491.6	493.0	495.2	496.4	496.1	499.7
7.5°	501.9	500.8	500.0	501.7	502.5	504.2	506.9	508.9	510.8	513.9	518.9
10°	514.2	512.5	511.7	512.8	513.4	515.3	517.0	519.8	524.5	529.3	535.4
12.5°	524.2	522.3	520.0	520.6	521.5	523.9	526.7	530.3	537.3	543.5	552.7
15°	532.6	529.8	527.6	528.7	530.6	534.0	538.7	545.1	556.6	567.1	579.4
17.5°	540.7	540.1	539.3	542.9	544.3	552.1	559.1	570.8	586.4	602.3	619.8
20°	548.5	554.6	557.6	564.9	569.4	580.0	590.6	604.7	624.5	646.3	670.3
22.5°	559.3	576.1	586.4	601.1	608.6	620.1	635.7	654.4	676.4	704.3	734.9
25°	585.2	609.8	630.4	653.5	672.5	690.1	708.7	731.3	763.1	788.4	828.5
27.5°	596.7	631.3	662.2	694.8	723.2	750.2	779.8	807.1	844.7	879.0	927.5
30°	585.8	624.8	665.0	707.6	749.2	790.1	833.0	874.8	918.3	966.2	1017.8
32.5°	565.7	609.5	654.7	704.8	756.4	809.6	865.3	926.1	987.4	1047.1	1099.7
35°	545.4	592.5	642.7	700.1	760.9	826.9	896.0	972.9	1054.0	1129.6	1198.4
37.5°	515.9	567.7	625.1	691.4	763.6	845.0	933.9	1028.6	1131.2	1235.2	1325.5
40°	480.2	535.1	597.8	674.2	760.9	863.7	979.3	1100.8	1232.6	1359.5	1470.4
42.5°	447.6	501.1	568.0	651.0	753.6	880.1	1022.5	1173.8	1329.9	1471.8	1616.7
45°	418.9	478.0	545.1	634.9	749.9	894.1	1054.6	1228.5	1407.1	1576.0	1747.1
47.5°	392.7	454.0	529.3	625.9	748.3	902.4	1076.9	1264.1	1462.0	1656.0	1854.7
50°	365.6	425.3	505.9	616.2	744.1	902.2	1088.6	1288.4	1500.5	1718.2	1928.8
52.5°	336.7	396.6	477.4	598.4	735.2	897.1	1091.6	1304.8	1530.8	1756.3	1991.8
55°	310.2	366.2	447.0	568.6	716.5	884.9	1084.7	1311.8	1552.3	1794.2	2036.2
57.5°	279.8	338.0	415.0	527.6	681.4	863.1	1064.9	1302.1	1558.4	1819.6	2071.3
60°	238.0	295.1	374.3	479.1	626.5	817.1	1028.1	1272.5	1538.9	1824.1	2096.3
62.5°	190.1	239.4	315.8	412.2	549.3	745.0	960.1	1206.2	1478.2	1782.2	2083.5
65°	141.3	174.2	239.9	324.7	459.8	636.2	850.6	1095.0	1359.5	1666.0	2003.0
67.5°	98.4	122.0	162.5	225.5	334.4	491.3	694.2	921.4	1175.8	1450.9	1835.8
70°	74.4	85.3	107.3	142.4	216.5	334.7	504.7	707.0	943.1	1208.2	1570.7
72.5°	63.5	69.1	81.4	97.6	132.7	203.5	316.9	486.6	695.9	911.6	1205.1
75°	57.1	61.9	69.7	80.0	93.9	123.5	185.9	308.0	461.0	610.6	840.8
77.5°	51.8	56.0	63.0	68.3	75.8	88.9	118.4	184.2	276.2	377.3	521.7
80°	46.3	48.8	55.2	60.5	66.3	73.9	85.0	115.7	158.6	223.5	307.7
82.5°	39.6	41.5	46.3	53.5	58.0	61.0	64.4	76.6	95.0	121.3	170.8
85°	30.7	32.0	36.2	41.5	43.5	43.7	44.3	47.6	59.1	90.8	147.2
87.5°	15.6	17.3	21.7	23.4	19.8	21.5	21.7	23.2	30.7	49.9	50.7
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°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	0°
2.5°	485.8	486.6	488.6	488.3	489.7	489.7	489.7	491.0	490.2	491.0	492.5	2.5°
5°	499.7	501.1	503.9	503.9	504.2	503.3	505.0	506.1	504.7	504.2	504.4	5°
7.5°	520.0	522.3	524.5	526.7	528.4	527.6	527.8	525.4	524.8	522.8	520.3	7.5°
10°	539.8	545.9	550.1	554.0	554.3	553.5	553.7	549.6	548.8	544.9	542.3	10°
12.5°	560.2	568.0	574.7	578.8	581.3	581.9	582.2	582.2	578.3	574.9	569.1	12.5°
15°	590.3	604.0	614.2	618.7	622.3	625.7	626.5	627.6	624.5	620.1	619.3	15°
17.5°	637.9	650.8	664.4	676.4	684.5	685.0	692.0	691.4	697.9	692.8	691.4	17.5°
20°	694.5	722.4	736.6	752.5	761.7	766.1	782.3	777.3	782.0	790.1	782.0	20°
22.5°	765.3	800.7	821.3	843.1	858.1	869.0	880.7	889.9	902.7	908.8	903.2	22.5°
25°	859.2	899.6	924.2	954.2	978.2	997.7	1018.1	1042.6	1042.3	1057.1	1067.4	25°
27.5°	967.1	1018.6	1054.3	1107.2	1127.9	1160.8	1195.6	1233.5	1240.2	1259.4	1269.2	27.5°
30°	1068.5	1132.3	1203.1	1266.1	1337.5	1386.2	1426.6	1453.4	1493.8	1483.7	1478.2	30°
32.5°	1162.1	1247.2	1348.0	1451.5	1564.6	1641.8	1713.1	1746.3	1771.4	1718.2	1647.7	32.5°
35°	1283.6	1385.4	1500.8	1628.4	1772.2	1881.7	1955.3	1965.7	1951.4	1883.2	1766.3	35°
37.5°	1434.2	1540.9	1672.1	1807.1	1959.8	2062.6	2146.5	2161.6	2123.9	2002.1	1879.5	37.5°
40°	1582.7	1707.8	1850.3	2009.9	2168.2	2281.4	2365.6	2370.0	2308.7	2166.3	2022.8	40°
42.5°	1745.2	1882.0	2040.6	2217.5	2381.2	2495.7	2556.5	2575.7	2489.0	2306.5	2168.8	42.5°
45°	1885.4	2048.9	2225.6	2413.8	2584.9	2693.6	2755.4	2749.3	2644.5	2464.2	2302.9	45°
47.5°	2021.9	2201.9	2388.1	2588.0	2758.0	2867.8	2931.3	2925.7	2792.8	2585.2	2407.6	47.5°
50°	2143.4	2338.8	2537.8	2751.2	2920.7	3021.3	3099.1	3074.6	2906.5	2682.4	2475.1	50°
52.5°	2227.9	2445.8	2653.7	2884.5	3058.9	3154.3	3253.2	3174.3	2973.7	2742.1	2511.3	52.5°
55°	2281.4	2519.4	2736.2	2991.5	3162.9	3276.9	3340.7	3228.7	2999.6	2758.5	2523.8	55°
57.5°	2317.6	2559.8	2784.7	3053.4	3256.6	3352.1	3367.7	3230.6	2982.8	2732.6	2511.3	57.5°
60°	2335.4	2571.8	2806.7	3096.8	3322.3	3374.7	3346.3	3185.5	2925.2	2656.5	2430.5	60°
62.5°	2333.5	2556.7	2795.3	3111.4	3335.4	3342.1	3277.4	3108.5	2819.0	2496.8	2296.1	62.5°
65°	2283.9	2501.8	2730.9	3057.5	3274.4	3245.7	3164.3	2964.2	2612.5	2288.3	2186.9	65°
67.5°	2140.9	2350.0	2562.6	2881.4	3102.4	3074.6	2951.4	2680.5	2372.5	2103.8	2049.2	67.5°
70°	1901.8	2079.1	2265.8	2545.9	2777.8	2740.1	2524.7	2360.0	2134.8	1890.7	1871.7	70°
72.5°	1589.9	1724.3	1859.7	2068.2	2227.9	2150.9	2015.5	2006.9	1824.9	1638.4	1642.3	72.5°
75°	1243.6	1344.4	1407.7	1530.3	1636.5	1567.7	1575.7	1623.7	1563.8	1416.9	1369.2	75°
77.5°	901.0	997.7	1017.8	1090.6	1165.2	1243.6	1347.2	1460.1	1479.1	1396.6	1223.8	77.5°
80°	589.7	696.2	656.6	682.5	787.6	930.5	1119.8	1305.7	1369.5	1295.4	1082.7	80°
82.5°	347.8	496.9	433.9	478.3	544.9	669.4	800.2	940.3	1047.1	968.2	904.4	82.5°
85°	264.2	391.9	415.0	468.8	490.5	495.8	518.6	564.4	619.6	640.1	638.5	85°
87.5°	137.7	304.6	341.9	316.3	295.1	255.8	199.6	214.9	196.5	268.7	254.5	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°
465.7	465.7	465.7	465.7	465.7	465.7	465.7
492.7	491.9	492.5	492.7	492.7	492.7	493.3
504.2	501.9	501.1	501.1	500.8	500.0	499.7
516.4	512.5	511.1	509.5	508.1	507.2	505.9
538.4	535.1	528.1	524.2	520.6	518.1	515.9
568.0	563.2	556.6	551.5	545.9	544.3	541.5
613.7	609.5	603.7	598.1	594.7	588.9	584.7
685.0	676.7	670.8	663.6	655.5	643.5	637.7
779.0	762.2	750.5	744.1	727.9	726.0	711.8
886.8	881.8	863.9	856.1	840.5	834.4	812.1
1048.1	1044.2	1007.8	1003.9	979.9	962.0	927.5
1260.2	1228.2	1187.0	1158.2	1117.3	1071.3	1012.5
1445.6	1380.1	1317.1	1250.2	1193.6	1127.6	1061.0
1563.8	1475.9	1394.9	1326.3	1256.3	1177.7	1092.2
1667.4	1578.8	1490.5	1409.3	1324.6	1224.0	1118.4
1791.4	1703.4	1603.9	1489.9	1381.2	1258.0	1129.0
1918.6	1815.4	1691.1	1551.5	1414.9	1274.8	1127.0
2048.7	1916.9	1751.6	1592.5	1436.4	1277.3	1114.0
2154.3	1987.6	1796.5	1613.3	1440.8	1268.6	1097.5
2229.0	2033.1	1816.5	1620.6	1435.3	1255.0	1075.2
2271.7	2057.9	1821.5	1615.3	1423.9	1235.5	1051.0
2287.3	2065.4	1816.5	1604.5	1413.5	1214.5	1034.0
2285.6	2061.2	1798.1	1579.1	1385.9	1186.7	1013.0
2254.1	2022.5	1760.5	1548.7	1362.5	1173.8	1014.4
2200.6	1997.9	1749.4	1554.8	1374.8	1201.4	1058.5
2176.3	2047.0	1812.1	1616.2	1437.8	1280.3	1149.4
2162.6	2126.7	1901.8	1682.2	1512.5	1375.9	1257.7
2106.9	2149.6	1952.8	1719.8	1579.1	1471.8	1366.1
2016.9	2096.3	1914.1	1712.6	1615.9	1545.4	1405.2
1829.1	1913.0	1741.6	1605.8	1569.9	1546.5	1346.6
1481.8	1525.3	1427.8	1397.1	1410.5	1410.8	1129.6
1092.8	1066.6	1022.5	1024.7	1114.8	1100.8	805.1
892.1	730.2	667.7	691.4	802.6	742.7	505.9
830.2	651.3	537.6	543.2	606.2	478.5	304.6
671.4	593.6	476.0	427.3	414.7	318.8	206.8
280.9	258.4	192.3	173.3	142.1	86.9	39.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)