

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: P853293

Luminaire Tested: **CRTK-N-20-730-U-T3-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-730-U-T3-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

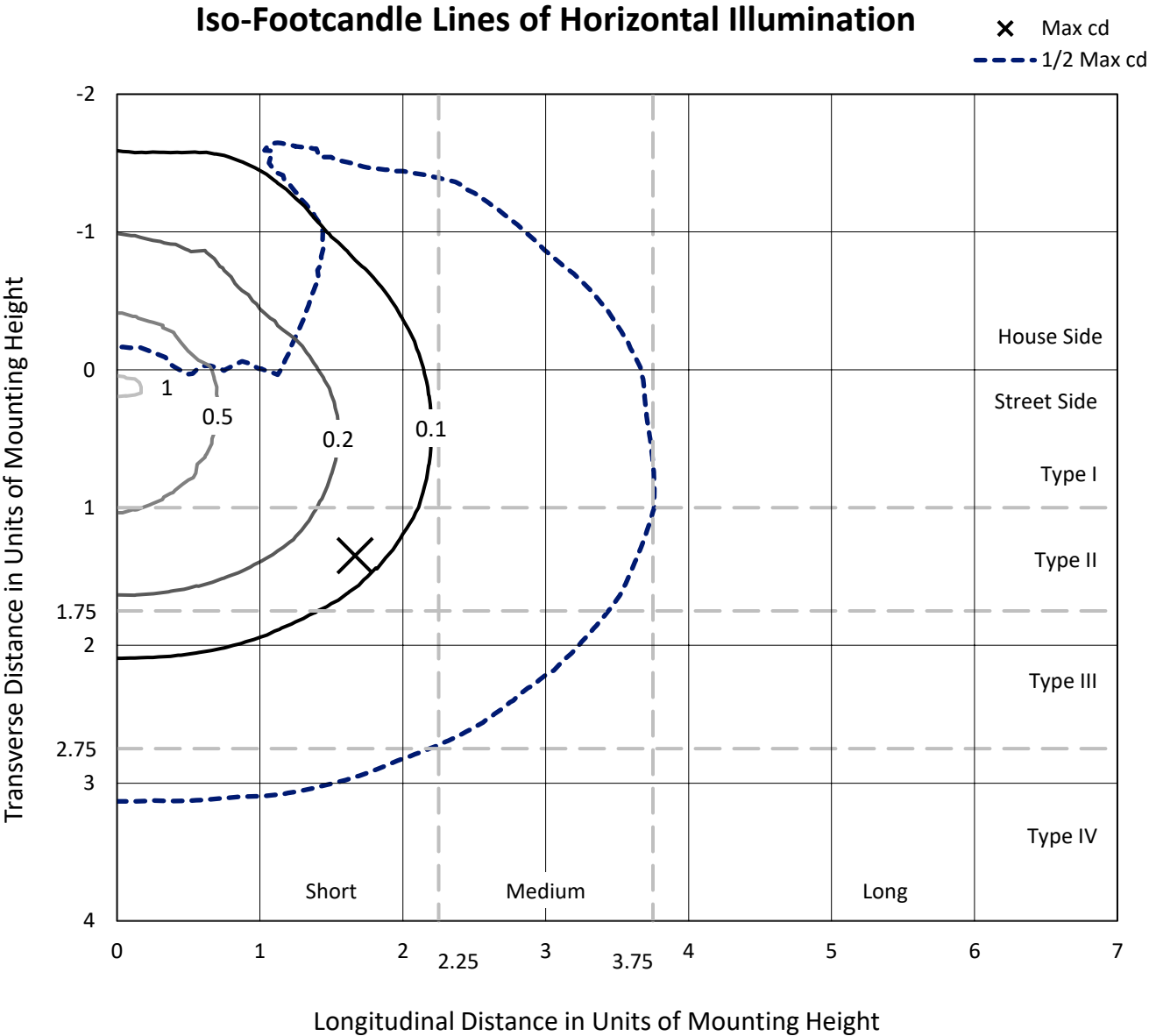
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3307 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

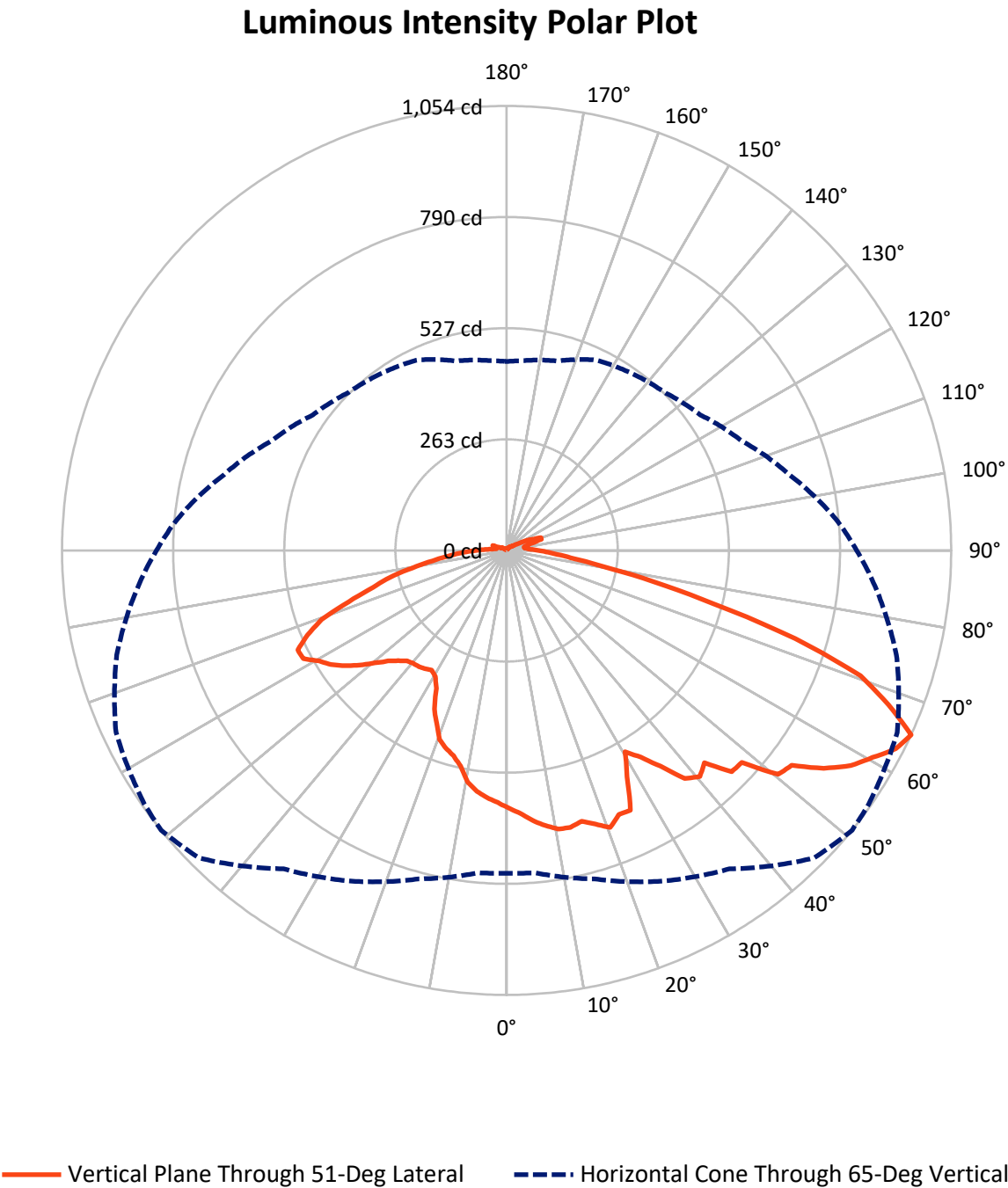


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Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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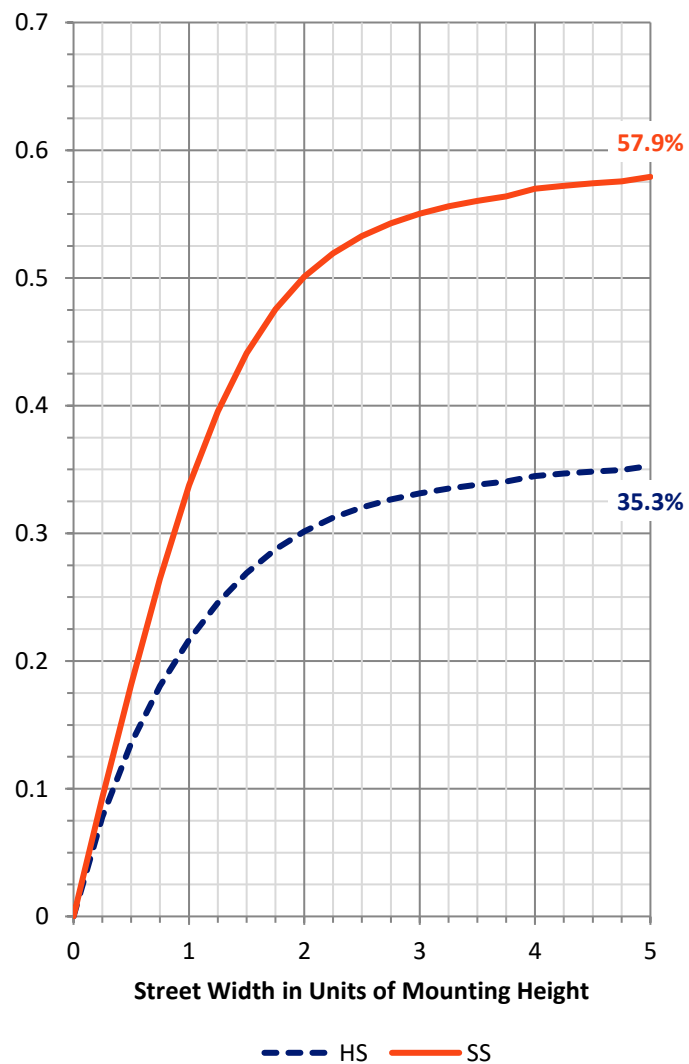
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1207.2	51.8	1259.0
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	1945.9	102.1	2048.0
	% Fixture	58.8	3.1	61.9
Total	Lumens	3153.1	153.9	3307.0
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	1.8
10°-20°	165.0	5.0
20°-30°	241.9	7.3
30°-40°	336.6	10.2
40°-50°	442.0	13.4
50°-60°	600.6	18.2
60°-70°	713.2	21.6
70°-80°	443.8	13.4
80°-90°	151.5	4.6
90°-100°	50.7	1.5
100°-110°	44.0	1.3
110°-120°	35.8	1.1
120°-130°	12.6	0.4
130°-140°	6.0	0.2
140°-150°	3.0	0.1
150°-160°	1.5	0.0
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-90°	3153.1	95.3
0°-180°	3307.0	100.0

Coefficient of Utilization



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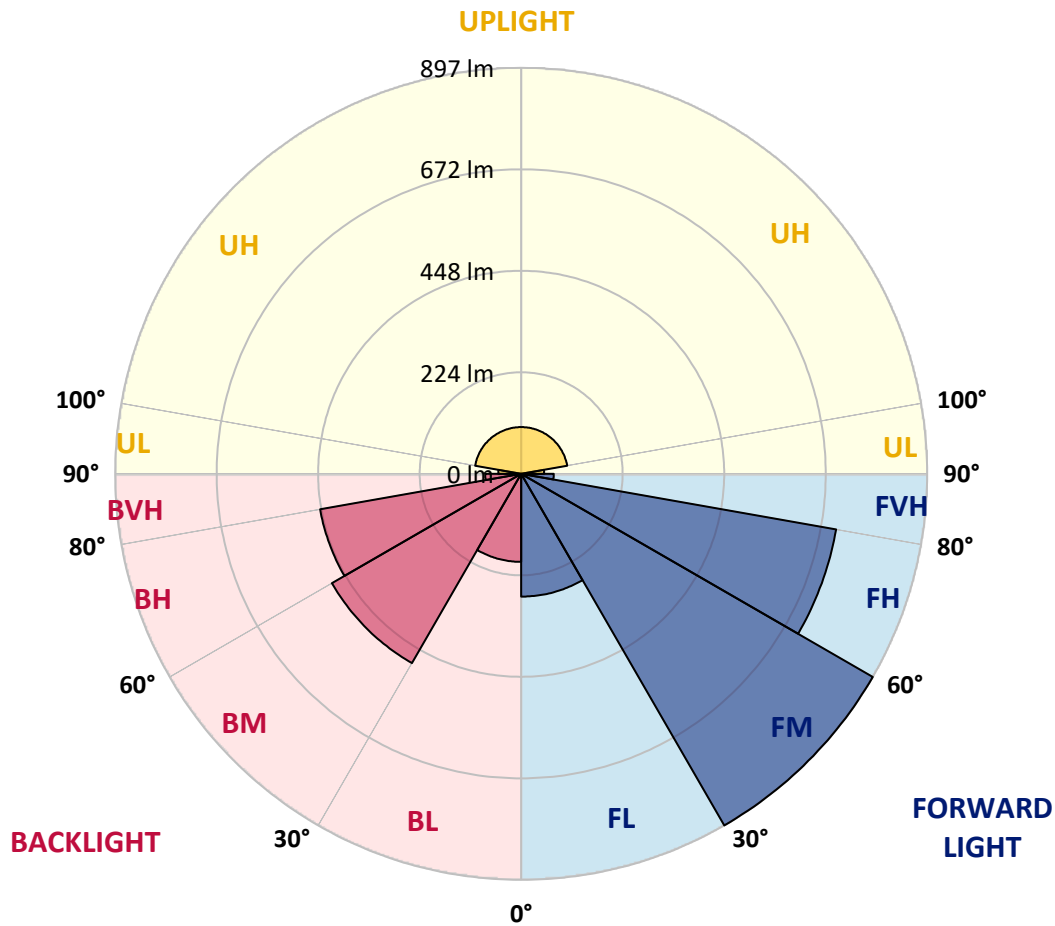
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.1	8.2			
FM	(30°-60°)	896.5	27.1			
FH	(60°-80°)	706.3	21.4			G1/1800
FVH	(80°-90°)	71.9	2.2			G1/100
BL	(0°-30°)	194.3	5.9	B1/500		
BM	(30°-60°)	482.6	14.6	B1/1000		
BH	(60°-80°)	450.7	13.6	B1/500		G1/500
BVH	(80°-90°)	79.5	2.4			G1/100
UL	(90°-100°)	50.7	1.5		U3/500	
UH	(100°-180°)	103.2	3.1		U3/500	

BUG Rating: B1-U3-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6
2.5°	625.8	628.7	630.6	632.5	630.6	626.8	623.9	623.9	623.0	617.3	608.7
5°	650.6	652.5	653.5	654.4	652.5	646.8	643.0	641.1	637.3	627.7	615.4
7.5°	668.7	670.6	673.5	672.5	670.6	662.0	658.2	655.4	650.6	638.2	621.1
10°	679.2	682.0	685.8	686.8	683.9	676.3	671.6	666.8	660.1	643.9	622.0
12.5°	688.7	690.6	688.7	683.0	682.0	675.4	673.5	674.4	669.6	654.4	625.8
15°	645.8	650.6	668.7	670.6	674.4	669.6	665.8	662.0	650.6	639.2	628.7
17.5°	630.6	633.5	649.6	678.2	689.7	686.8	682.0	678.2	665.8	640.1	583.0
20°	637.3	639.2	648.7	660.1	699.2	702.0	701.1	697.3	683.0	627.7	571.5
22.5°	623.9	626.8	639.2	645.8	668.7	685.8	680.1	674.4	640.1	581.1	526.8
25°	666.8	667.7	649.6	620.1	611.5	643.0	682.0	689.7	605.8	556.3	516.3
27.5°	701.1	703.9	700.1	673.5	655.4	633.5	607.7	579.2	599.2	583.0	538.2
30°	739.2	749.7	762.0	750.6	703.9	615.4	553.4	554.4	588.7	588.7	564.9
32.5°	793.5	817.3	810.6	791.6	716.3	601.1	583.9	579.2	603.9	593.4	562.0
35°	864.0	876.4	843.0	782.0	725.8	647.7	627.7	618.2	601.1	631.5	527.7
37.5°	912.5	899.2	876.4	824.0	692.5	689.7	685.8	678.2	651.5	568.7	565.8
40°	890.6	906.8	925.9	827.8	742.0	714.4	704.9	719.2	643.0	594.4	600.1
42.5°	933.5	957.3	896.4	845.9	818.2	756.3	687.7	661.1	665.8	649.6	591.5
45°	966.8	942.1	887.8	825.9	788.7	762.0	747.8	736.3	699.2	640.1	556.3
47.5°	824.9	853.5	858.3	837.3	833.5	783.0	750.6	738.2	703.0	563.0	516.3
50°	838.2	846.8	841.1	868.7	901.1	863.0	834.4	798.2	700.1	642.0	588.7
52.5°	866.8	876.4	879.2	892.5	904.0	874.4	845.9	817.3	764.9	705.8	638.2
55°	896.4	900.2	905.9	917.3	934.5	932.6	911.6	883.0	836.3	772.5	695.4
57.5°	887.8	895.4	904.0	936.4	961.1	982.1	962.1	942.1	897.3	832.5	753.5
60°	864.0	874.4	897.3	937.3	980.2	1014.5	996.4	984.0	941.1	886.8	810.6
62.5°	824.0	827.8	862.1	914.5	963.0	1028.8	1035.4	1025.0	1001.1	936.4	848.7
65°	764.9	766.8	805.9	864.9	921.1	1030.7	1053.5	1047.8	1021.1	956.4	872.5
67.5°	694.4	695.4	729.7	781.1	837.3	924.9	976.4	998.3	1023.0	951.6	873.5
70°	597.3	598.2	629.6	686.8	735.4	833.5	889.7	920.2	944.9	880.2	814.4
72.5°	517.2	518.2	530.6	566.8	610.6	681.1	715.4	738.2	767.8	748.7	684.9
75°	442.0	433.4	434.4	436.3	448.7	489.6	507.7	529.6	563.0	565.8	519.1
77.5°	339.1	331.5	325.8	320.1	313.4	339.1	354.4	369.6	384.8	386.7	368.6
80°	236.2	231.5	233.4	227.7	218.1	230.5	232.4	238.1	247.7	263.9	271.5
82.5°	167.6	154.3	156.2	149.6	147.6	157.2	161.0	162.9	174.3	189.6	182.9
85°	101.0	100.0	103.8	103.8	104.8	114.3	120.0	120.0	131.5	140.0	141.9
87.5°	73.3	71.4	75.3	79.1	81.9	89.5	93.4	94.3	101.9	109.5	109.5
90°	60.0	60.0	61.9	63.8	65.7	69.5	72.4	73.3	77.2	80.0	81.0
92.5°	52.4	52.4	53.3	53.3	53.3	54.3	54.3	55.2	59.1	59.1	57.2
95°	50.5	49.5	49.5	50.5	51.4	50.5	48.6	47.6	46.7	45.7	42.9
97.5°	46.7	45.7	46.7	46.7	44.8	44.8	43.8	43.8	41.0	39.1	35.2
100°	41.9	42.9	42.9	43.8	42.9	42.9	41.9	41.9	39.1	37.1	36.2
102.5°	46.7	48.6	46.7	46.7	47.6	45.7	45.7	46.7	44.8	44.8	43.8
105°	50.5	53.3	59.1	63.8	61.9	57.2	56.2	58.1	56.2	56.2	53.3
107.5°	49.5	51.4	55.2	69.5	81.0	87.6	86.7	88.6	81.9	72.4	61.0
110°	48.6	49.5	52.4	59.1	68.6	81.0	86.7	90.5	97.2	90.5	80.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	52.4	54.3	56.2	59.1	61.9	65.7	67.6	70.5	76.2	76.2	70.5
115°	57.2	56.2	56.2	56.2	57.2	60.0	59.1	59.1	59.1	55.2	46.7
117.5°	44.8	42.9	43.8	43.8	43.8	45.7	43.8	42.9	41.9	36.2	30.5
120°	29.5	28.6	29.5	31.4	30.5	31.4	30.5	29.5	28.6	26.7	23.8
122.5°	24.8	23.8	23.8	23.8	23.8	24.8	25.7	24.8	24.8	23.8	21.9
125°	18.1	18.1	18.1	18.1	18.1	19.1	20.0	20.0	20.0	20.0	18.1
127.5°	15.2	15.2	15.2	15.2	15.2	16.2	17.1	17.1	16.2	16.2	15.2
130°	13.3	13.3	13.3	13.3	13.3	14.3	14.3	14.3	14.3	13.3	12.4
132.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	11.4
135°	11.4	11.4	11.4	11.4	12.4	11.4	12.4	12.4	11.4	11.4	9.5
137.5°	10.5	9.5	10.5	9.5	10.5	10.5	10.5	9.5	9.5	9.5	7.6
140°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	7.6
142.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.7
145°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.7	6.7	5.7
147.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	5.7
150°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	5.7	5.7
152.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	4.8
155°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
157.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
162.5°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	1.9	1.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6
2.5°	606.8	604.9	604.9	605.8	600.1	594.4	590.6	587.7	586.8	587.7	584.9
5°	612.5	609.6	603.9	598.2	591.5	582.0	576.3	570.6	568.7	569.6	568.7
7.5°	615.4	610.6	601.1	592.5	580.1	567.7	560.1	553.4	549.6	550.6	548.7
10°	614.4	606.8	592.5	580.1	563.0	547.7	537.2	528.7	525.8	526.8	525.8
12.5°	615.4	604.9	583.9	561.1	531.5	509.6	497.2	490.6	489.6	496.3	496.3
15°	615.4	591.5	549.6	531.5	509.6	491.5	480.1	468.7	461.0	443.9	442.9
17.5°	558.2	563.9	544.9	521.0	497.2	480.1	462.9	446.7	429.6	429.6	427.7
20°	550.6	536.3	523.9	508.7	482.9	464.8	444.8	420.1	409.6	410.6	409.6
22.5°	504.9	494.4	468.7	472.5	452.5	425.8	399.1	383.9	384.8	392.5	392.5
25°	493.4	473.4	440.1	425.8	434.4	380.1	370.5	366.7	371.5	385.8	384.8
27.5°	514.4	489.6	446.7	402.0	364.8	369.6	370.5	370.5	372.4	365.8	361.0
30°	536.3	507.7	430.6	384.8	338.2	349.6	363.9	377.2	362.9	354.4	355.3
32.5°	546.8	491.5	431.5	369.6	336.3	332.4	358.2	350.5	356.3	356.3	359.1
35°	495.3	473.4	443.9	370.5	343.9	334.3	333.4	342.0	345.8	363.9	366.7
37.5°	530.6	497.2	403.9	382.9	354.4	330.5	324.8	346.7	348.6	348.6	355.3
40°	569.6	518.2	421.0	376.3	350.5	342.0	336.3	340.1	349.6	328.6	328.6
42.5°	545.8	508.7	440.1	372.4	348.6	357.2	358.2	347.7	332.4	340.1	342.9
45°	526.8	480.1	432.5	390.5	365.8	366.7	359.1	345.8	336.3	348.6	348.6
47.5°	488.7	462.0	419.1	401.0	382.0	386.7	397.2	356.3	345.8	322.9	310.5
50°	557.2	525.8	469.6	422.0	408.6	413.4	439.1	386.7	353.4	326.7	326.7
52.5°	601.1	570.6	509.6	460.1	438.2	445.8	466.8	404.8	371.5	351.5	347.7
55°	650.6	613.4	550.6	495.3	470.6	469.6	482.0	435.3	402.0	378.2	382.0
57.5°	701.1	665.8	589.6	527.7	497.2	494.4	496.3	472.5	423.9	408.6	414.4
60°	768.7	723.9	631.5	552.5	515.3	517.2	515.3	497.2	452.5	427.7	427.7
62.5°	812.5	761.1	675.4	598.2	551.5	537.2	531.5	506.8	467.7	439.1	441.0
65°	829.7	787.8	693.5	614.4	560.1	529.6	513.4	498.2	464.8	451.5	447.7
67.5°	824.9	780.1	686.8	601.1	535.3	478.2	450.6	423.9	435.3	431.5	427.7
70°	770.6	720.1	615.4	550.6	492.5	430.6	385.8	369.6	368.6	364.8	342.0
72.5°	654.4	608.7	519.1	462.9	409.6	368.6	353.4	321.0	300.1	283.9	275.3
75°	509.6	480.1	428.7	387.7	339.1	312.4	283.9	259.1	251.5	250.5	243.9
77.5°	369.6	355.3	336.3	323.9	296.2	266.7	241.9	231.5	226.7	223.9	222.9
80°	272.4	268.6	254.3	250.5	233.4	217.2	206.7	206.7	205.8	208.6	207.7
82.5°	185.7	182.9	184.8	189.6	181.0	172.4	169.6	176.2	189.6	200.0	198.1
85°	145.7	142.9	141.9	143.8	141.0	136.2	136.2	140.0	139.1	141.0	136.2
87.5°	113.4	112.4	109.5	111.4	107.6	105.7	105.7	106.7	105.7	105.7	104.8
90°	83.8	83.8	81.9	83.8	79.1	77.2	78.1	77.2	71.4	68.6	66.7
92.5°	59.1	58.1	56.2	58.1	54.3	53.3	53.3	50.5	49.5	48.6	48.6
95°	43.8	42.9	41.0	40.0	38.1	37.1	39.1	39.1	36.2	31.4	29.5
97.5°	34.3	34.3	33.3	32.4	30.5	27.6	26.7	22.9	19.1	15.2	16.2
100°	35.2	34.3	35.2	32.4	27.6	21.0	18.1	16.2	13.3	9.5	9.5
102.5°	43.8	42.9	41.0	33.3	25.7	20.0	17.1	13.3	10.5	5.7	4.8
105°	50.5	48.6	40.0	32.4	25.7	20.0	16.2	13.3	9.5	4.8	2.9
107.5°	55.2	48.6	42.9	38.1	35.2	28.6	21.0	14.3	7.6	2.9	1.9
110°	75.3	68.6	62.9	54.3	41.0	24.8	17.1	9.5	5.7	1.9	1.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	64.8	61.9	46.7	35.2	24.8	15.2	11.4	8.6	4.8	1.9	1.9
115°	41.0	37.1	28.6	21.9	17.1	12.4	9.5	7.6	4.8	1.9	0.0
117.5°	27.6	25.7	21.0	18.1	14.3	11.4	8.6	6.7	3.8	0.0	0.0
120°	22.9	21.9	18.1	15.2	12.4	9.5	7.6	5.7	1.9	0.0	0.0
122.5°	20.0	19.1	15.2	13.3	10.5	8.6	6.7	3.8	1.0	0.0	0.0
125°	17.1	17.1	15.2	13.3	11.4	9.5	6.7	3.8	1.0	0.0	0.0
127.5°	14.3	13.3	12.4	10.5	9.5	6.7	5.7	3.8	0.0	0.0	0.0
130°	11.4	11.4	9.5	7.6	6.7	4.8	3.8	1.9	0.0	0.0	0.0
132.5°	10.5	10.5	8.6	7.6	5.7	3.8	2.9	1.9	0.0	0.0	0.0
135°	9.5	9.5	7.6	6.7	4.8	3.8	2.9	1.9	0.0	0.0	0.0
137.5°	7.6	7.6	6.7	4.8	3.8	2.9	1.9	1.0	0.0	0.0	0.0
140°	6.7	6.7	5.7	4.8	3.8	2.9	1.9	1.0	0.0	0.0	0.0
142.5°	5.7	5.7	4.8	3.8	2.9	1.9	1.0	1.0	0.0	0.0	0.0
145°	5.7	5.7	4.8	3.8	2.9	1.9	1.0	0.0	0.0	0.0	0.0
147.5°	5.7	4.8	4.8	3.8	2.9	1.9	1.0	0.0	0.0	0.0	0.0
150°	4.8	4.8	3.8	2.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0
152.5°	4.8	4.8	3.8	2.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0
155°	3.8	3.8	2.9	1.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0
157.5°	3.8	2.9	2.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	2.9	2.9	1.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	1.9	1.9	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
165°	1.9	1.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)