

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: P853308

Luminaire Tested: **CRTK-N-20-750-U-T2R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-750-U-T2R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

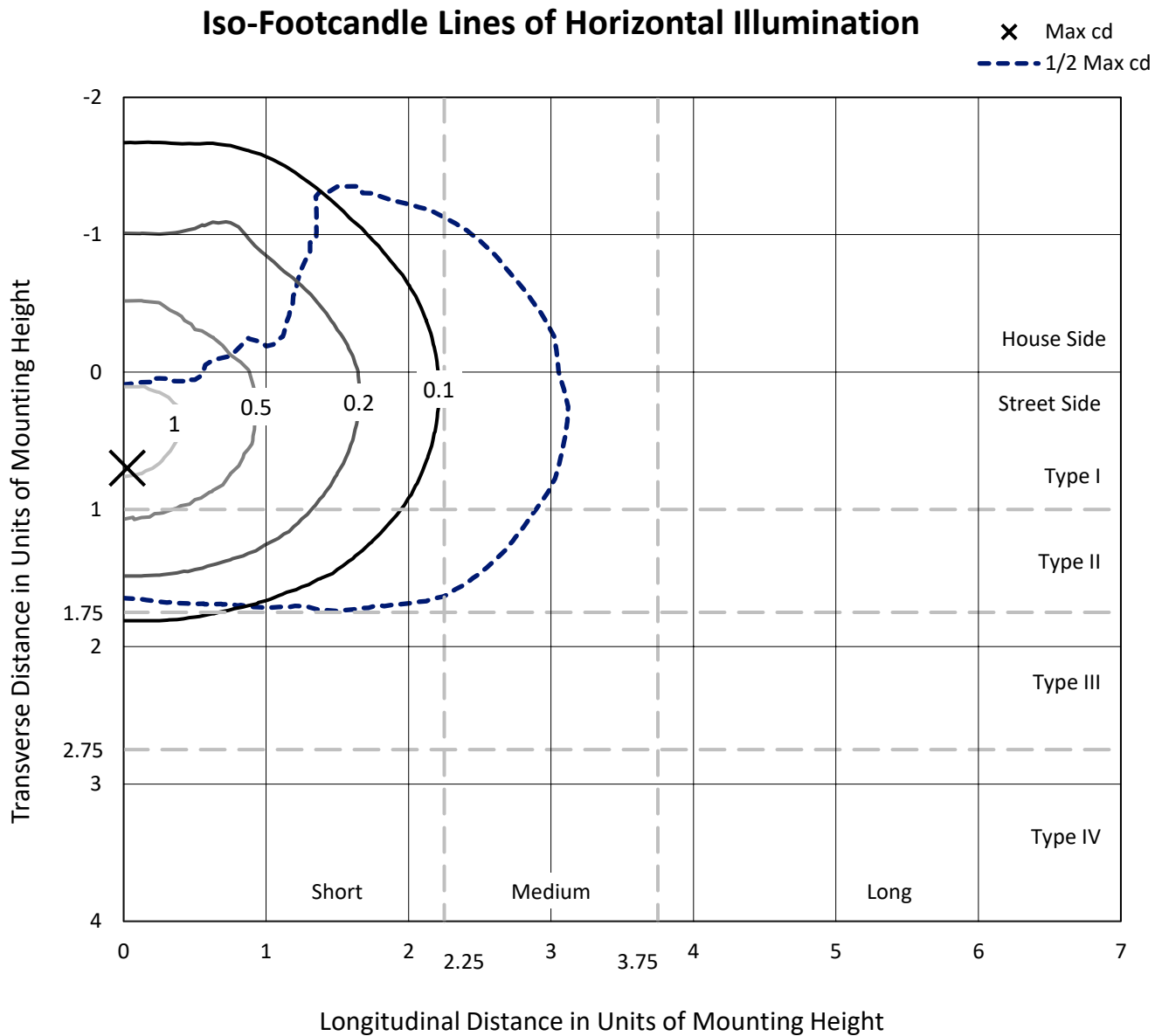
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3485 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type II - 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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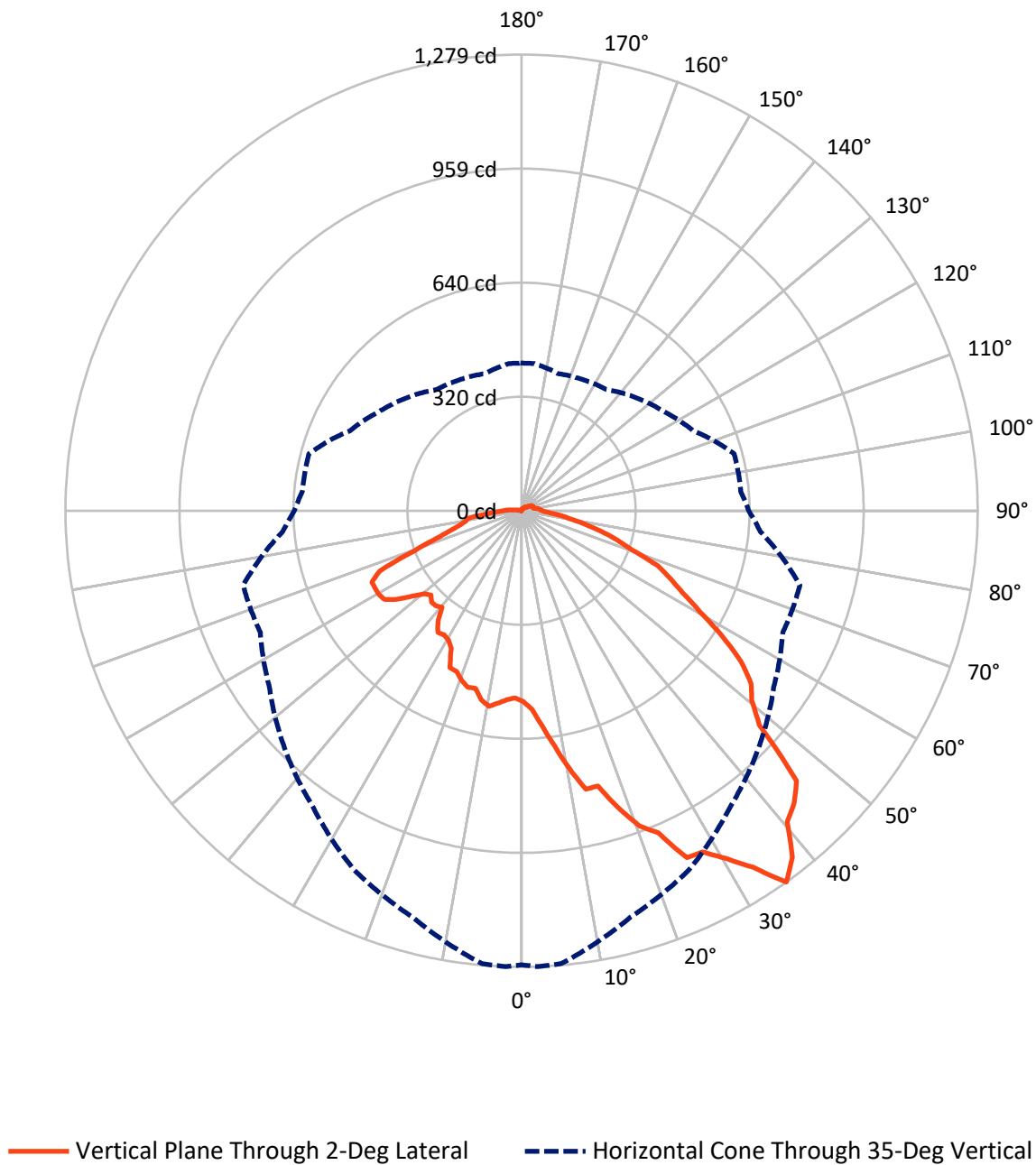


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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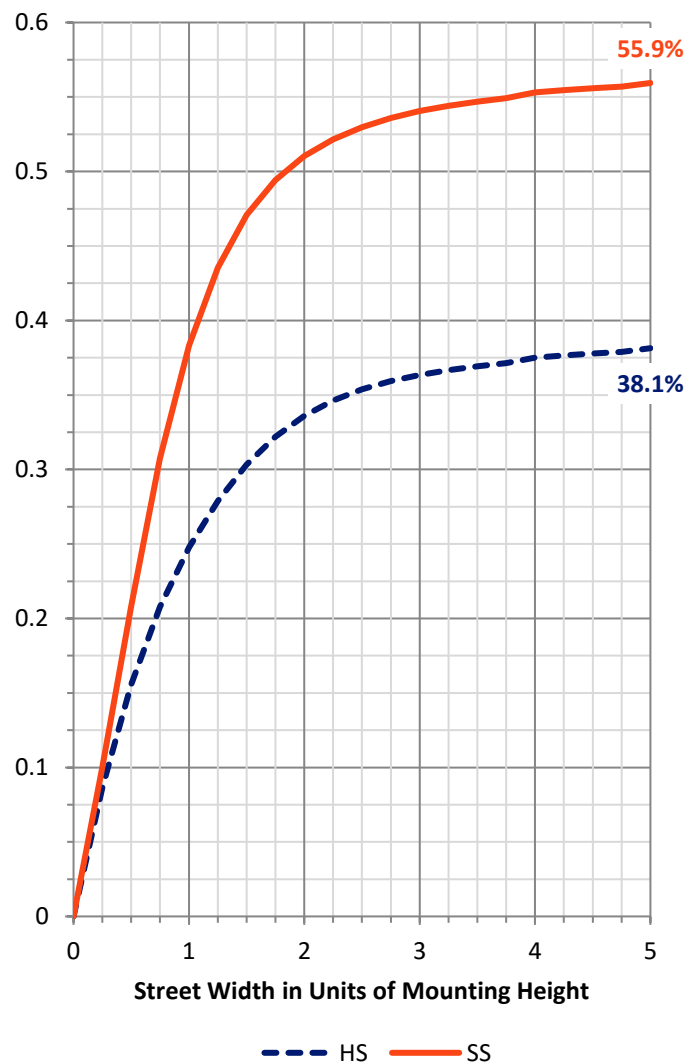
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1362.0	55.5	1417.6
	% Fixture	39.1	1.6	40.7
Street Side	Lumens	1976.5	90.9	2067.4
	% Fixture	56.7	2.6	59.3
Total	Lumens	3338.6	146.4	3485.0
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	1.6
10°-20°	184.1	5.3
20°-30°	315.9	9.1
30°-40°	453.9	13.0
40°-50°	552.3	15.8
50°-60°	648.1	18.6
60°-70°	643.1	18.5
70°-80°	357.6	10.3
80°-90°	128.7	3.7
90°-100°	46.8	1.3
100°-110°	40.2	1.2
110°-120°	33.4	1.0
120°-130°	13.6	0.4
130°-140°	6.8	0.2
140°-150°	3.6	0.1
150°-160°	1.7	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-90°	3338.6	95.8
0°-180°	3485.0	100.0

Coefficient of Utilization



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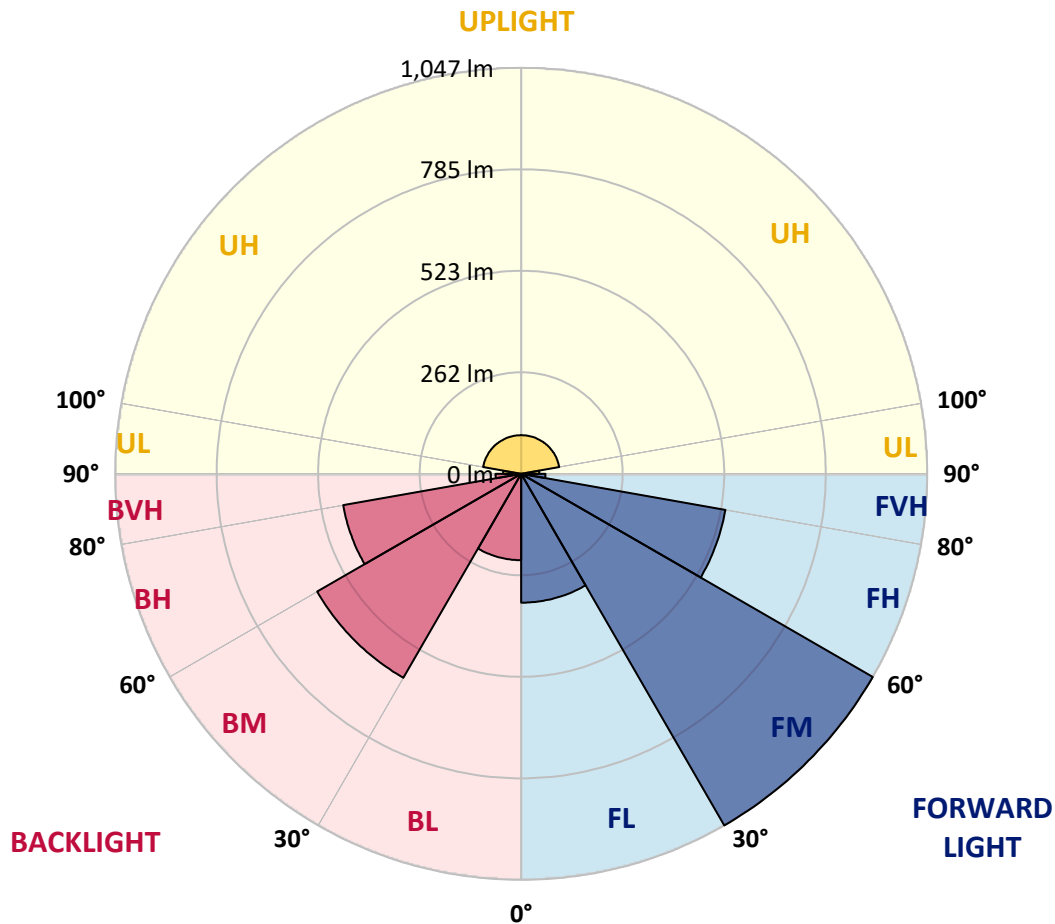
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.2	9.5			
FM	(30°-60°)	1046.9	30.0			
FH	(60°-80°)	534.7	15.3			G0/660
FVH	(80°-90°)	62.7	1.8			G1/100
BL	(0°-30°)	222.7	6.4	B1/500		
BM	(30°-60°)	607.4	17.4	B1/1000		
BH	(60°-80°)	466.0	13.4	B1/500		G1/500
BVH	(80°-90°)	66.0	1.9			G1/100
UL	(90°-100°)	46.8	1.3		U2/50	
UH	(100°-180°)	99.6	2.9		U3/500	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0
2.5°	556.1	557.1	557.1	561.1	558.1	558.1	552.1	548.1	548.1	543.0	535.0
5°	604.1	606.1	605.1	608.1	601.1	597.1	584.1	574.1	567.1	557.1	545.1
7.5°	664.1	666.1	665.1	665.1	655.1	646.1	625.1	607.1	593.1	577.1	558.1
10°	729.1	735.1	734.1	732.1	715.1	698.1	670.1	643.1	621.1	598.1	573.1
12.5°	801.1	801.1	801.1	786.1	757.1	730.1	699.1	672.1	651.1	624.1	592.1
15°	797.1	801.1	806.1	829.1	812.1	782.1	737.1	695.1	660.1	626.1	610.1
17.5°	866.1	875.1	873.1	872.1	874.1	860.1	804.1	748.1	703.1	656.1	586.1
20°	940.1	943.1	943.1	945.1	921.1	919.1	873.1	806.1	751.1	661.1	594.1
22.5°	974.1	981.1	976.1	975.1	934.1	898.1	884.1	813.1	729.1	626.1	551.1
25°	1072.1	1078.1	1066.1	1016.1	952.1	893.1	858.1	865.1	702.1	625.1	573.1
27.5°	1080.1	1083.1	1088.1	1099.1	1047.1	980.1	895.1	743.1	721.1	683.1	628.1
30°	1128.1	1132.1	1120.1	1153.1	1157.1	1043.1	878.1	743.1	749.1	709.1	684.1
32.5°	1184.1	1192.1	1194.1	1202.1	1128.1	1062.1	864.1	791.1	776.1	754.1	690.1
35°	1273.1	1279.1	1275.1	1180.1	1111.1	1017.1	940.1	863.1	808.1	808.1	672.1
37.5°	1238.1	1233.1	1242.1	1197.1	1140.1	982.1	968.1	954.1	884.1	743.1	736.1
40°	1144.1	1147.1	1145.1	1209.1	1092.1	1030.1	1004.1	962.1	870.1	798.1	787.1
42.5°	1117.1	1121.1	1132.1	1079.1	1053.1	1089.1	1008.1	894.1	874.1	865.1	786.1
45°	1104.1	1081.1	1060.1	988.1	969.1	970.1	966.1	964.1	928.1	855.1	721.1
47.5°	895.1	897.1	909.1	959.1	945.1	974.1	955.1	928.1	892.1	731.1	687.1
50°	835.1	836.1	852.1	877.1	919.1	994.1	983.1	921.1	861.1	817.1	768.1
52.5°	808.1	806.1	813.1	829.1	870.1	950.1	946.1	922.1	903.1	880.1	815.1
55°	755.1	747.1	761.1	785.1	821.1	901.1	941.1	940.1	937.1	911.1	853.1
57.5°	665.1	663.1	674.1	707.1	761.1	833.1	902.1	925.1	934.1	935.1	890.1
60°	579.1	574.1	588.1	628.1	674.1	777.1	851.1	891.1	924.1	938.1	925.1
62.5°	512.0	507.0	518.0	550.1	602.1	693.1	801.1	875.1	929.1	942.1	929.1
65°	458.0	458.0	460.0	490.0	533.0	593.1	737.1	821.1	897.1	923.1	916.1
67.5°	406.0	412.0	411.0	441.0	471.0	536.0	623.1	722.1	840.1	878.1	875.1
70°	329.0	328.0	338.0	381.0	426.0	473.0	547.1	644.1	730.1	759.1	767.1
72.5°	282.0	279.0	286.0	310.0	353.0	408.0	450.0	503.0	551.1	609.1	612.1
75°	233.0	231.0	237.0	256.0	281.0	312.0	332.0	372.0	414.0	455.0	452.0
77.5°	183.0	181.0	185.0	199.0	217.0	242.0	265.0	295.0	304.0	320.0	328.0
80°	141.0	139.0	144.0	165.0	176.0	187.0	192.0	204.0	208.0	228.0	249.0
82.5°	115.0	113.0	119.0	122.0	123.0	132.0	141.0	148.0	156.0	168.0	169.0
85°	81.0	81.0	84.0	87.0	90.0	97.0	105.0	111.0	118.0	125.0	130.0
87.5°	65.0	65.0	66.0	67.0	72.0	77.0	83.0	90.0	96.0	99.0	101.0
90°	56.0	57.0	57.0	58.0	59.0	61.0	64.0	69.0	72.0	74.0	75.0
92.5°	52.0	52.0	52.0	52.0	51.0	50.0	50.0	51.0	53.0	54.0	53.0
95°	50.0	50.0	50.0	48.0	49.0	48.0	45.0	43.0	41.0	41.0	40.0
97.5°	45.0	45.0	45.0	43.0	42.0	42.0	41.0	39.0	37.0	36.0	34.0
100°	37.0	37.0	37.0	37.0	39.0	40.0	39.0	39.0	38.0	36.0	35.0
102.5°	34.0	34.0	34.0	35.0	38.0	42.0	44.0	44.0	42.0	41.0	40.0
105°	35.0	35.0	35.0	41.0	49.0	49.0	44.0	44.0	46.0	50.0	50.0
107.5°	34.0	34.0	35.0	43.0	59.0	70.0	70.0	61.0	62.0	58.0	55.0
110°	34.0	34.0	34.0	37.0	41.0	48.0	64.0	77.0	89.0	89.0	86.0

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CANDELA DISTRIBUTION (continued):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	32.0	32.0	33.0	34.0	36.0	40.0	45.0	56.0	65.0	73.0	75.0
115°	32.0	32.0	32.0	33.0	35.0	38.0	42.0	48.0	53.0	57.0	54.0
117.5°	31.0	31.0	32.0	31.0	32.0	35.0	38.0	40.0	41.0	39.0	34.0
120°	26.0	26.0	26.0	27.0	28.0	29.0	30.0	31.0	29.0	28.0	26.0
122.5°	23.0	23.0	23.0	23.0	23.0	23.0	25.0	25.0	26.0	25.0	25.0
125°	18.0	18.0	19.0	18.0	19.0	19.0	20.0	21.0	21.0	21.0	21.0
127.5°	16.0	16.0	16.0	16.0	16.0	16.0	17.0	18.0	18.0	17.0	17.0
130°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	15.0	15.0	15.0	14.0
132.5°	15.0	14.0	15.0	14.0	14.0	14.0	13.0	14.0	14.0	14.0	13.0
135°	14.0	14.0	13.0	13.0	13.0	13.0	12.0	12.0	13.0	12.0	11.0
137.5°	11.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0	10.0	10.0	10.0
140°	10.0	10.0	10.0	10.0	10.0	9.0	10.0	9.0	9.0	9.0	9.0
142.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0	8.0
145°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0
147.5°	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0
150°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0
152.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
155°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
160°	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0
2.5°	533.0	532.0	534.0	534.0	531.0	528.0	526.0	524.0	524.0	525.0	525.0
5°	542.0	540.0	538.0	539.0	536.0	533.0	532.0	530.0	530.0	531.0	532.0
7.5°	553.1	550.1	549.1	548.1	546.1	544.0	543.0	542.0	542.0	543.0	544.0
10°	566.1	562.1	559.1	560.1	555.1	551.1	549.1	547.1	551.1	554.1	557.1
12.5°	583.1	579.1	569.1	564.1	548.1	541.0	537.0	537.0	540.0	541.0	543.0
15°	599.1	586.1	561.1	563.1	559.1	554.1	550.1	542.0	528.0	513.0	516.0
17.5°	566.1	570.1	580.1	580.1	577.1	571.1	560.1	538.0	521.0	516.0	518.0
20°	578.1	571.1	580.1	597.1	591.1	583.1	552.1	525.0	508.0	504.0	504.0
22.5°	534.0	525.0	537.0	570.1	575.1	538.0	491.0	482.0	487.0	486.0	486.0
25°	552.1	540.0	527.0	534.0	565.1	497.0	477.0	463.0	463.0	479.0	487.0
27.5°	602.1	586.1	562.1	519.0	473.0	490.0	485.0	471.0	462.0	442.0	429.0
30°	654.1	633.1	557.1	522.0	453.0	465.0	471.0	474.0	439.0	417.0	416.0
32.5°	671.1	629.1	588.1	513.0	468.0	446.0	458.0	427.0	422.0	411.0	410.0
35°	637.1	617.1	617.1	531.0	486.0	450.0	415.0	406.0	398.0	414.0	414.0
37.5°	703.1	668.1	560.1	556.1	507.0	442.0	405.0	410.0	394.0	387.0	391.0
40°	769.1	701.1	594.1	544.0	496.0	454.0	420.0	397.0	390.0	353.0	349.0
42.5°	715.1	702.1	635.1	527.0	485.0	475.0	447.0	410.0	362.0	357.0	360.0
45°	682.1	651.1	618.1	561.1	513.0	496.0	445.0	404.0	372.0	361.0	359.0
47.5°	664.1	624.1	570.1	556.1	515.0	499.0	499.0	421.0	376.0	349.0	346.0
50°	741.1	708.1	636.1	573.1	543.0	528.0	553.1	450.0	393.0	362.0	356.0
52.5°	785.1	749.1	685.1	618.1	567.1	549.1	581.1	480.0	419.0	393.0	386.0
55°	822.1	789.1	714.1	652.1	597.1	574.1	583.1	509.0	450.0	427.0	428.0
57.5°	869.1	834.1	743.1	674.1	617.1	594.1	581.1	534.0	474.0	458.0	457.0
60°	919.1	878.1	784.1	692.1	631.1	607.1	601.1	560.1	489.0	468.0	461.0
62.5°	912.1	887.1	820.1	725.1	656.1	623.1	598.1	548.1	502.0	474.0	458.0
65°	895.1	875.1	809.1	710.1	640.1	600.1	543.0	510.0	490.0	463.0	466.0
67.5°	862.1	836.1	761.1	665.1	579.1	512.0	466.0	425.0	428.0	428.0	434.0
70°	735.1	728.1	643.1	577.1	514.0	453.0	398.0	367.0	347.0	323.0	320.0
72.5°	585.1	579.1	508.0	445.0	416.0	388.0	355.0	300.0	267.0	249.0	248.0
75°	433.0	428.0	395.0	354.0	328.0	304.0	277.0	241.0	215.0	206.0	204.0
77.5°	315.0	303.0	292.0	283.0	278.0	255.0	221.0	195.0	182.0	177.0	176.0
80°	240.0	229.0	218.0	208.0	211.0	201.0	183.0	170.0	162.0	158.0	158.0
82.5°	165.0	163.0	161.0	157.0	161.0	151.0	142.0	134.0	144.0	152.0	153.0
85°	130.0	129.0	130.0	123.0	123.0	112.0	109.0	102.0	100.0	100.0	99.0
87.5°	101.0	102.0	104.0	97.0	95.0	88.0	84.0	81.0	78.0	75.0	76.0
90°	75.0	76.0	76.0	71.0	69.0	64.0	61.0	59.0	56.0	53.0	53.0
92.5°	53.0	53.0	53.0	50.0	49.0	46.0	44.0	43.0	43.0	43.0	43.0
95°	40.0	40.0	39.0	37.0	36.0	35.0	36.0	35.0	34.0	30.0	31.0
97.5°	33.0	32.0	32.0	31.0	30.0	29.0	27.0	24.0	21.0	17.0	18.0
100°	34.0	33.0	32.0	32.0	30.0	24.0	20.0	17.0	14.0	11.0	11.0
102.5°	40.0	39.0	36.0	34.0	31.0	25.0	19.0	15.0	12.0	7.0	7.0
105°	48.0	46.0	40.0	37.0	32.0	25.0	20.0	16.0	11.0	5.0	4.0
107.5°	53.0	48.0	44.0	42.0	42.0	37.0	30.0	18.0	9.0	4.0	2.0
110°	84.0	79.0	69.0	63.0	56.0	43.0	25.0	14.0	6.0	3.0	2.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	74.0	71.0	61.0	49.0	37.0	26.0	15.0	10.0	6.0	2.0	2.0
115°	50.0	46.0	36.0	30.0	23.0	17.0	12.0	9.0	6.0	3.0	1.0
117.5°	31.0	29.0	25.0	21.0	19.0	15.0	11.0	8.0	4.0	1.0	0.0
120°	25.0	24.0	21.0	19.0	15.0	13.0	9.0	7.0	3.0	0.0	0.0
122.5°	23.0	22.0	19.0	16.0	14.0	11.0	8.0	5.0	2.0	1.0	0.0
125°	20.0	20.0	18.0	15.0	13.0	11.0	7.0	4.0	1.0	1.0	1.0
127.5°	16.0	16.0	14.0	13.0	10.0	8.0	6.0	4.0	1.0	1.0	1.0
130°	14.0	13.0	12.0	10.0	8.0	6.0	5.0	3.0	1.0	1.0	1.0
132.5°	13.0	12.0	10.0	9.0	7.0	5.0	4.0	3.0	1.0	1.0	1.0
135°	11.0	10.0	9.0	8.0	6.0	5.0	4.0	2.0	1.0	1.0	1.0
137.5°	9.0	9.0	8.0	7.0	5.0	5.0	4.0	2.0	1.0	1.0	1.0
140°	8.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0
142.5°	7.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0
145°	7.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0
147.5°	6.0	6.0	6.0	5.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0
150°	6.0	6.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0
152.5°	5.0	5.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
155°	5.0	4.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
157.5°	4.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
160°	3.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
162.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
165°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)