

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: P200913

Luminaire Tested: **WKP4BLEDEDFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P184291)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP4BLEDEDFC
Description: STREETWORKS WALPAK CUTOFF

Light Source: EATON LED 5000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2279 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.08' x L: 0.75' x H: 0.1')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

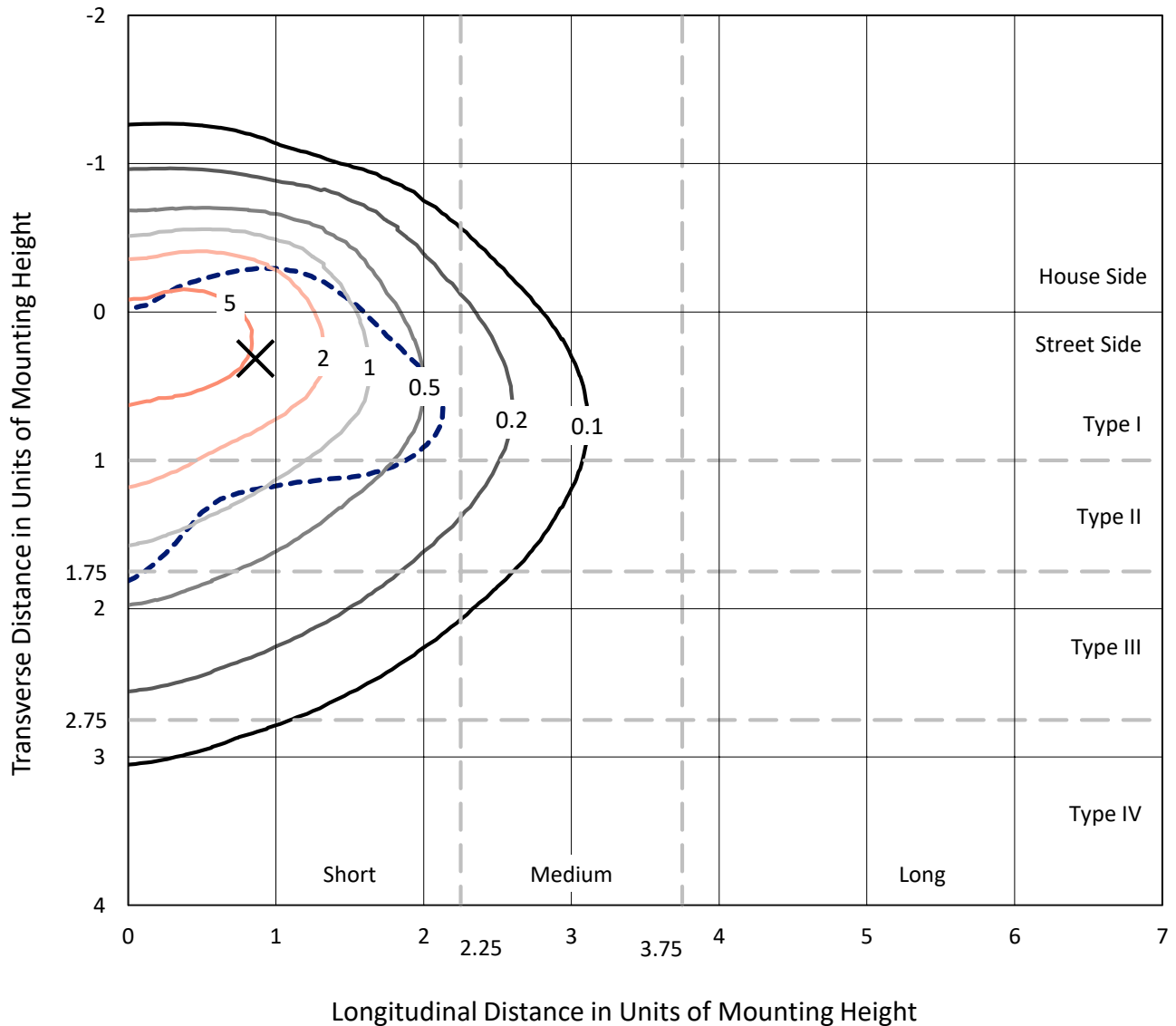
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

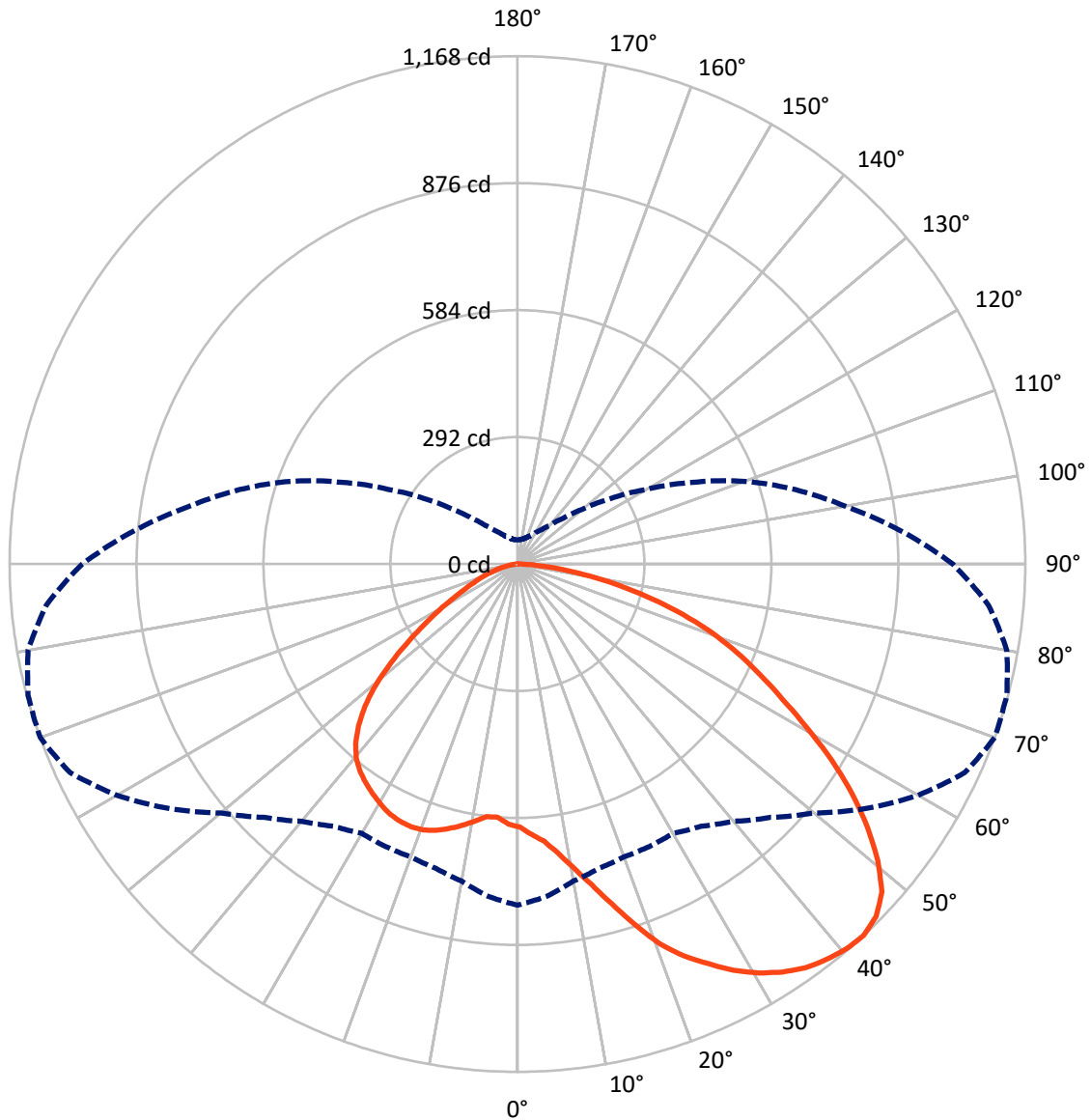
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 42.5-Deg Vertical

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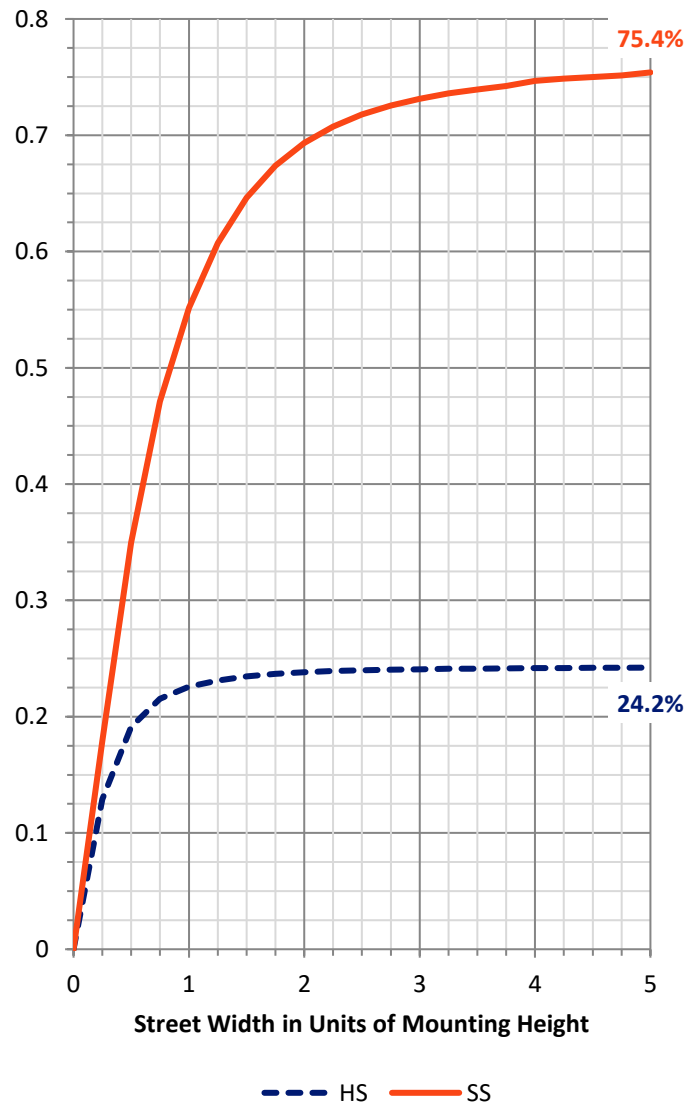
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	557.0	0.0	557.0
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	1721.9	0.0	1721.9
	% Fixture	75.6	0.0	75.6
Total	Lumens	2279.0	0.0	2279.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	2.5
10°-20°	180.7	7.9
20°-30°	314.5	13.8
30°-40°	410.0	18.0
40°-50°	444.2	19.5
50°-60°	396.0	17.4
60°-70°	289.0	12.7
70°-80°	156.0	6.8
80°-90°	31.0	1.4
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°	2279.0	100.0
0°-180°	2279.0	100.0



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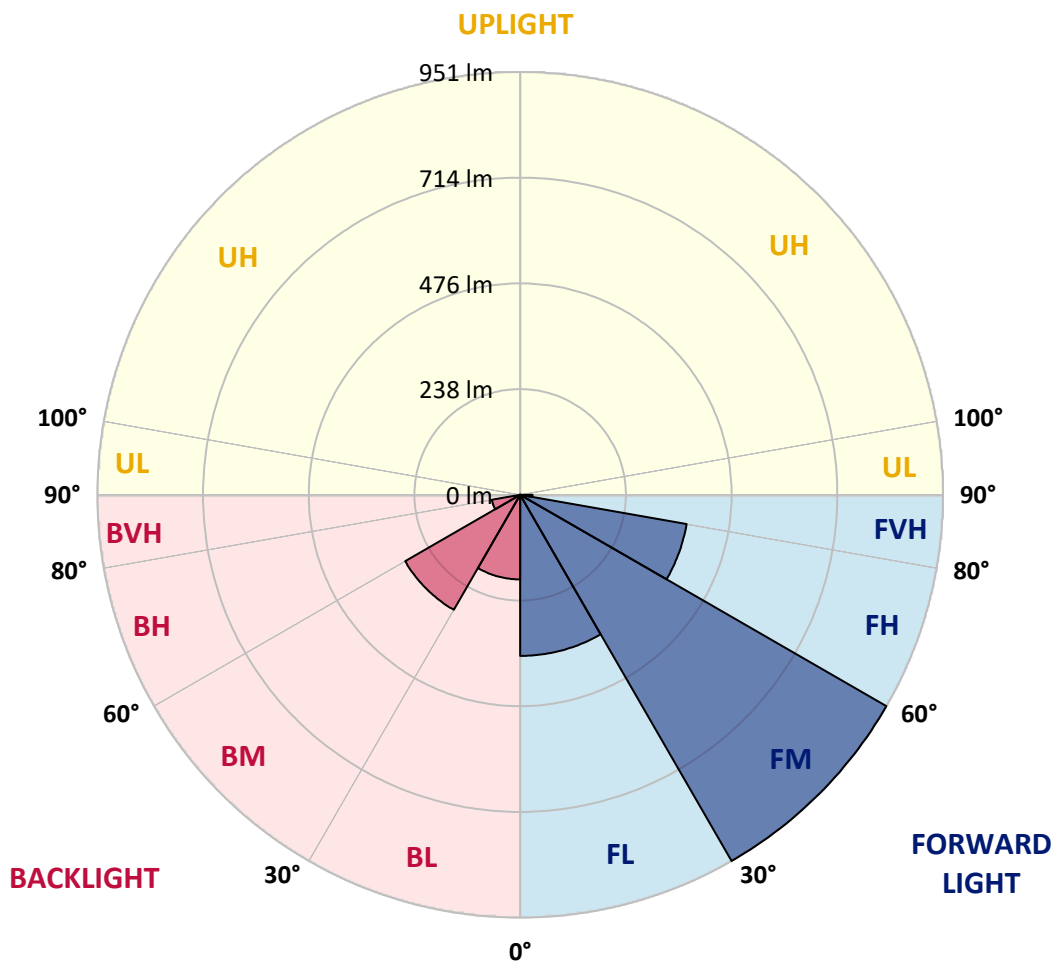
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.4	15.9			
FM	(30°-60°)	951.5	41.8			
FH	(60°-80°)	380.3	16.7			G0/660
FVH	(80°-90°)	27.7	1.2			G1/100
BL	(0°-30°)	190.4	8.4	B1/500		
BM	(30°-60°)	298.7	13.1	B1/1000		
BH	(60°-80°)	64.7	2.8	B0/110		G0/110
BVH	(80°-90°)	3.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7
2.5°	641.1	638.9	640.4	638.2	638.2	638.2	639.7	640.4	637.5	636.1	634.7
5°	671.1	669.6	672.5	669.6	670.4	666.8	666.8	667.5	663.9	659.6	657.5
7.5°	693.2	693.2	696.1	693.2	691.1	688.2	689.6	692.5	691.1	687.5	686.8
10°	716.0	712.5	714.6	713.2	711.8	716.0	717.5	720.3	720.3	718.9	721.0
12.5°	733.2	731.7	733.2	736.7	741.0	746.0	748.9	751.0	752.4	753.9	758.9
15°	756.0	753.9	756.7	768.1	778.1	786.0	791.0	791.7	793.8	797.4	801.0
17.5°	773.9	774.6	784.6	798.1	811.0	824.5	838.8	845.9	847.4	849.5	853.1
20°	791.0	791.7	804.5	818.8	834.5	857.4	878.1	890.2	898.1	903.8	909.5
22.5°	808.8	807.4	816.7	831.7	848.8	875.2	901.6	923.0	939.5	951.6	958.7
25°	823.8	821.0	821.7	831.7	853.1	879.5	915.9	947.3	968.7	983.0	994.4
27.5°	832.4	827.4	823.1	826.7	840.2	873.1	913.0	955.9	990.8	1008.7	1020.8
30°	831.0	826.0	819.5	815.3	823.1	850.2	890.2	942.3	990.1	1019.4	1040.1
32.5°	823.1	816.7	806.0	800.3	806.0	824.5	859.5	904.5	956.6	1004.4	1045.8
35°	811.7	803.1	790.3	783.1	783.8	798.1	823.1	858.1	904.5	964.4	1027.3
37.5°	800.3	788.1	773.1	760.3	761.7	770.3	786.7	813.1	853.8	915.9	990.8
40°	792.4	778.1	758.2	740.3	739.6	743.2	751.0	775.3	811.0	868.1	943.0
42.5°	784.6	767.4	740.3	724.6	716.8	716.8	715.3	736.0	772.4	823.8	890.9
45°	773.1	753.9	725.3	708.2	696.1	686.1	681.1	698.9	733.2	783.1	844.5
47.5°	755.3	736.7	705.3	687.5	672.5	658.2	651.1	666.1	699.6	742.4	798.8
50°	737.5	714.6	683.9	662.5	643.9	631.1	626.1	636.1	664.6	706.8	756.7
52.5°	711.8	688.2	658.2	634.7	617.5	606.8	605.4	612.5	631.8	666.1	713.9
55°	683.9	658.2	630.4	604.7	585.4	576.8	581.1	589.7	601.8	629.7	671.1
57.5°	647.5	623.2	596.1	571.1	554.0	549.0	554.7	562.6	574.0	594.7	629.7
60°	604.0	581.8	556.9	534.7	521.2	516.9	523.3	531.2	541.2	557.6	586.8
62.5°	555.4	536.2	512.6	493.3	482.5	480.4	487.5	494.0	504.0	520.5	543.3
65°	499.8	483.2	464.0	445.4	438.3	436.1	441.1	450.4	460.4	476.1	494.8
67.5°	441.8	426.8	411.1	393.3	387.6	385.4	389.0	397.6	408.3	424.0	441.1
70°	379.0	366.9	352.6	335.5	334.1	334.1	337.6	344.8	352.6	368.3	384.7
72.5°	313.4	303.4	289.8	278.4	278.4	282.7	284.1	292.7	301.2	311.9	326.2
75°	248.4	239.8	229.8	222.0	222.7	227.7	230.6	237.0	245.5	254.8	267.0
77.5°	185.6	178.4	172.0	169.2	168.5	173.5	175.6	182.0	189.2	197.0	206.3
80°	127.1	122.1	117.8	117.1	117.1	122.1	123.5	128.5	134.2	140.6	147.0
82.5°	75.7	72.8	70.0	70.7	71.4	74.9	76.4	79.9	83.5	88.5	92.1
85°	34.3	32.1	32.8	32.1	32.8	35.7	37.1	38.5	41.4	44.3	46.4
87.5°	6.4	5.0	6.4	6.4	7.1	8.6	8.6	10.0	11.4	12.8	13.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7
2.5°	633.9	632.5	626.8	622.5	624.7	624.0	621.1	616.1	611.8	608.3	604.0
5°	656.8	653.9	645.4	640.4	639.7	636.1	629.7	621.1	610.4	603.3	594.7
7.5°	688.2	685.3	676.1	670.4	670.4	666.1	656.1	644.7	629.0	618.2	604.7
10°	723.2	721.0	716.0	711.0	708.9	703.9	693.2	678.2	660.4	643.9	624.7
12.5°	762.4	763.1	759.6	756.0	752.4	750.3	734.6	715.3	694.6	673.2	645.4
15°	807.4	813.1	812.4	810.3	806.0	800.3	778.1	755.3	728.9	699.6	667.5
17.5°	860.2	868.8	871.6	870.9	868.8	860.2	831.7	803.8	769.6	730.3	688.9
20°	918.8	928.7	930.9	931.6	926.6	915.9	883.1	847.4	806.7	761.7	707.5
22.5°	966.6	970.9	977.3	978.7	975.1	959.4	926.6	885.2	835.2	783.1	718.2
25°	1003.0	1010.1	1014.4	1018.0	1015.1	1001.6	967.3	918.0	863.1	799.6	726.0
27.5°	1032.2	1048.0	1053.7	1057.9	1052.9	1039.4	996.6	943.0	881.6	806.7	726.0
30°	1061.5	1075.1	1082.9	1091.5	1086.5	1066.5	1023.7	967.3	893.8	812.4	723.9
32.5°	1076.5	1095.8	1111.5	1118.6	1113.6	1092.2	1046.5	985.1	905.2	811.0	716.8
35°	1080.8	1107.2	1130.0	1140.7	1137.2	1111.5	1065.1	999.4	912.3	805.3	707.5
37.5°	1062.9	1113.6	1143.6	1154.3	1150.7	1127.9	1079.4	1005.8	908.8	798.8	696.8
40°	1025.8	1097.9	1145.7	1164.3	1163.6	1142.9	1089.4	1007.3	901.6	786.0	682.5
42.5°	980.1	1063.7	1135.0	1167.9	1165.0	1142.9	1087.9	1000.8	883.8	765.3	661.1
45°	923.8	1020.8	1104.3	1156.4	1157.9	1130.8	1076.5	980.1	859.5	737.5	633.9
47.5°	868.1	968.7	1059.4	1127.9	1137.9	1104.3	1043.0	945.2	818.1	701.8	595.4
50°	823.1	910.9	1007.3	1074.4	1085.1	1043.7	977.3	882.4	759.6	644.7	544.0
52.5°	774.6	848.8	942.3	1008.7	1016.5	976.6	901.6	803.8	682.5	577.6	480.4
55°	726.0	792.4	872.4	934.5	932.3	883.8	803.8	705.3	592.5	496.2	411.1
57.5°	678.9	735.3	799.6	853.1	832.4	769.6	687.5	598.3	491.2	414.0	340.5
60°	631.1	679.6	728.9	764.6	739.6	672.5	590.4	498.3	403.3	329.8	272.0
62.5°	584.0	624.0	661.1	683.2	663.2	599.7	519.0	430.4	337.6	271.2	215.6
65°	531.2	566.9	596.1	612.5	599.0	539.7	457.5	371.2	284.8	222.7	174.2
67.5°	474.7	506.9	529.7	545.4	534.7	481.1	401.2	319.8	241.3	183.4	141.3
70°	408.3	439.7	460.4	476.1	465.4	419.0	348.3	269.1	197.0	148.5	114.2
72.5°	347.6	369.0	385.4	399.0	391.9	354.0	292.7	221.3	159.9	117.1	89.9
75°	279.8	297.7	309.1	319.1	313.4	285.5	234.8	174.9	124.2	89.2	69.2
77.5°	214.9	228.4	234.8	242.0	235.6	215.6	177.0	131.3	92.1	65.7	50.0
80°	155.6	161.3	167.0	168.5	162.7	148.5	122.1	90.7	62.1	43.5	33.5
82.5°	95.6	100.6	103.5	104.2	99.2	90.7	74.2	54.2	37.1	25.7	19.3
85°	47.8	50.0	51.4	51.4	47.8	43.5	35.7	25.7	17.8	10.7	7.9
87.5°	15.7	15.0	15.0	15.0	13.6	12.1	10.0	7.1	4.3	1.4	1.4
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°	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7	604.7
2.5°	598.3	591.8	587.6	582.6	575.4	574.0	569.0	566.1	563.3	559.7	556.9
5°	584.0	571.1	561.1	552.6	541.9	536.9	527.6	521.2	517.6	511.9	508.3
7.5°	585.4	569.0	551.1	535.4	516.9	504.8	489.0	479.0	469.7	461.8	459.7
10°	599.7	574.7	549.7	524.7	499.8	479.0	457.5	441.1	426.8	412.6	409.0
12.5°	614.7	581.1	547.6	515.5	483.2	456.8	429.7	409.7	389.0	372.6	364.7
15°	628.2	587.6	546.2	507.6	466.8	435.4	406.1	381.2	357.6	338.3	325.5
17.5°	640.4	591.1	541.9	497.6	454.0	419.0	385.4	355.5	331.2	309.1	293.4
20°	648.9	591.1	534.7	484.0	440.4	400.4	364.0	332.6	303.4	280.5	259.1
22.5°	651.8	587.6	526.2	471.1	424.0	379.7	340.5	305.5	274.8	248.4	227.7
25°	650.4	579.0	514.0	456.8	404.7	357.6	312.6	276.2	244.8	217.0	195.6
27.5°	645.4	568.3	503.3	440.4	382.6	330.5	284.1	245.5	214.9	188.4	168.5
30°	636.1	556.1	486.8	419.0	356.2	301.2	254.1	217.7	186.3	159.9	142.0
32.5°	625.4	541.2	466.1	393.3	326.2	270.5	224.1	187.0	157.0	134.2	118.5
35°	613.2	526.2	441.1	361.9	294.1	237.7	192.0	157.0	131.3	112.1	99.9
37.5°	599.7	504.8	411.1	330.5	261.2	205.6	162.0	132.1	110.6	95.6	85.7
40°	581.8	478.2	377.6	296.2	229.1	174.9	137.0	112.1	94.9	82.8	74.2
42.5°	556.1	444.0	343.3	262.7	197.0	149.2	116.3	96.4	82.8	72.1	65.7
45°	521.2	405.4	306.2	229.1	168.5	127.1	100.6	84.2	72.1	65.0	59.2
47.5°	479.0	361.2	269.1	196.3	142.8	108.5	87.1	73.5	65.7	59.2	55.0
50°	428.3	315.5	230.6	167.0	120.6	93.5	75.7	66.4	60.0	55.0	51.4
52.5°	369.0	273.4	195.6	140.6	102.8	80.7	67.8	60.7	55.7	51.4	47.8
55°	309.1	227.7	164.9	117.1	87.1	70.0	61.4	55.7	51.4	47.8	44.3
57.5°	254.8	188.4	137.8	97.1	74.2	62.1	55.0	50.7	47.1	44.3	41.4
60°	207.7	153.5	112.1	81.4	63.5	55.0	50.0	45.7	42.8	40.0	37.8
62.5°	165.6	125.6	91.4	67.8	55.0	48.5	44.3	41.4	38.5	36.4	34.3
65°	133.5	102.8	74.2	57.1	47.1	42.1	39.3	36.4	34.3	32.1	30.0
67.5°	107.8	83.5	61.4	47.8	40.7	36.4	34.3	31.4	29.3	27.1	25.7
70°	87.1	67.1	50.0	40.0	34.3	30.7	27.8	25.7	24.3	22.8	21.4
72.5°	68.5	52.8	40.0	32.1	27.1	24.3	22.1	20.7	20.0	18.6	17.1
75°	52.1	40.0	30.0	24.3	20.7	18.6	17.1	15.7	15.0	14.3	13.6
77.5°	37.8	28.6	20.7	17.1	14.3	12.8	12.1	11.4	10.7	10.0	9.3
80°	25.0	17.1	12.8	10.7	9.3	8.6	7.9	7.1	7.1	6.4	6.4
82.5°	12.8	8.6	7.1	5.7	5.0	4.3	4.3	3.6	3.6	3.6	3.6
85°	5.0	2.9	2.1	2.1	2.1	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
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):

	165°	170°	175°	180°
0°	604.7	604.7	604.7	604.7
2.5°	555.4	557.6	556.1	554.0
5°	506.2	506.9	504.0	501.9
7.5°	454.0	453.3	451.1	449.0
10°	401.2	399.7	398.3	396.2
12.5°	356.9	354.0	351.9	350.5
15°	317.6	312.6	309.8	309.1
17.5°	280.5	274.8	271.2	270.5
20°	245.5	236.3	232.7	231.3
22.5°	209.9	200.6	196.3	193.4
25°	179.9	169.9	164.9	163.5
27.5°	152.8	143.5	139.2	136.3
30°	127.8	119.9	116.3	114.2
32.5°	107.1	100.6	97.8	96.4
35°	90.7	85.7	82.8	82.1
37.5°	77.8	73.5	71.4	71.4
40°	67.8	64.2	62.1	61.4
42.5°	60.7	57.8	55.7	55.7
45°	55.7	52.8	51.4	50.7
47.5°	51.4	49.3	47.1	47.1
50°	47.8	45.7	44.3	43.5
52.5°	45.0	42.8	41.4	40.7
55°	42.1	40.0	38.5	37.8
57.5°	39.3	37.1	35.7	35.0
60°	35.7	34.3	32.8	32.1
62.5°	32.1	30.7	29.3	29.3
65°	28.6	26.4	26.4	25.7
67.5°	24.3	22.8	22.1	22.1
70°	20.7	19.3	18.6	18.6
72.5°	16.4	15.7	15.0	15.0
75°	12.8	12.1	12.1	11.4
77.5°	9.3	8.6	8.6	8.6
80°	5.7	5.7	5.7	5.7
82.5°	3.6	2.9	2.9	2.9
85°	1.4	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)