

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: LUMARK

Report Number: P511357

Luminaire Tested: **WPMLED07B**

Issue Date: 4/9/2021

Test Information

Test Method: LM-79-08
Report Number: P511357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (UL-CCIC (Suzhou) Co.,Ltd)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: WPMLED07B
Description: WALLPACK DEDICATED CCT
Light Source: (240) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3518 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.13m x L: 0.26m x H: 0.9m)
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G3

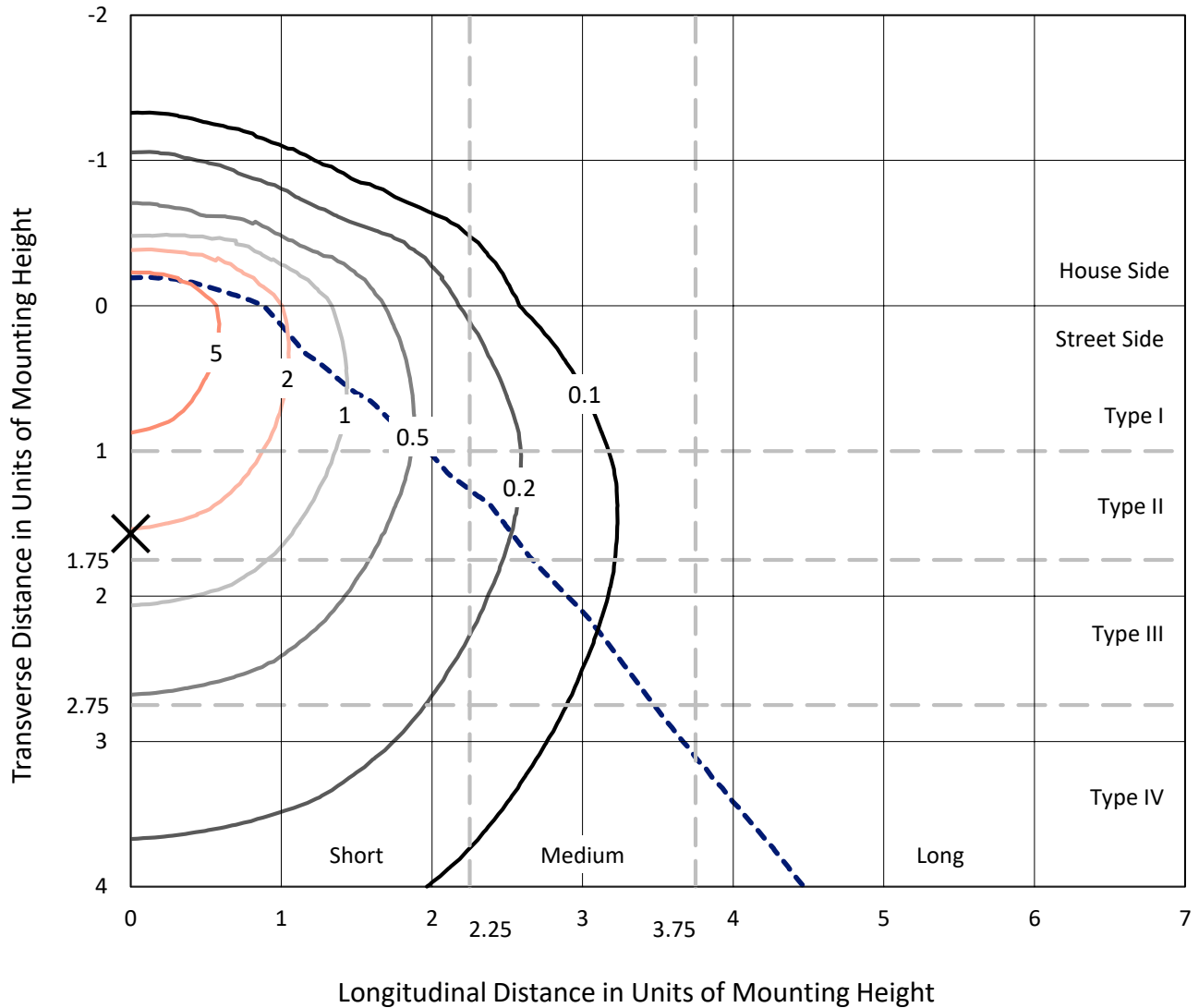
Input Watts (W): 27.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

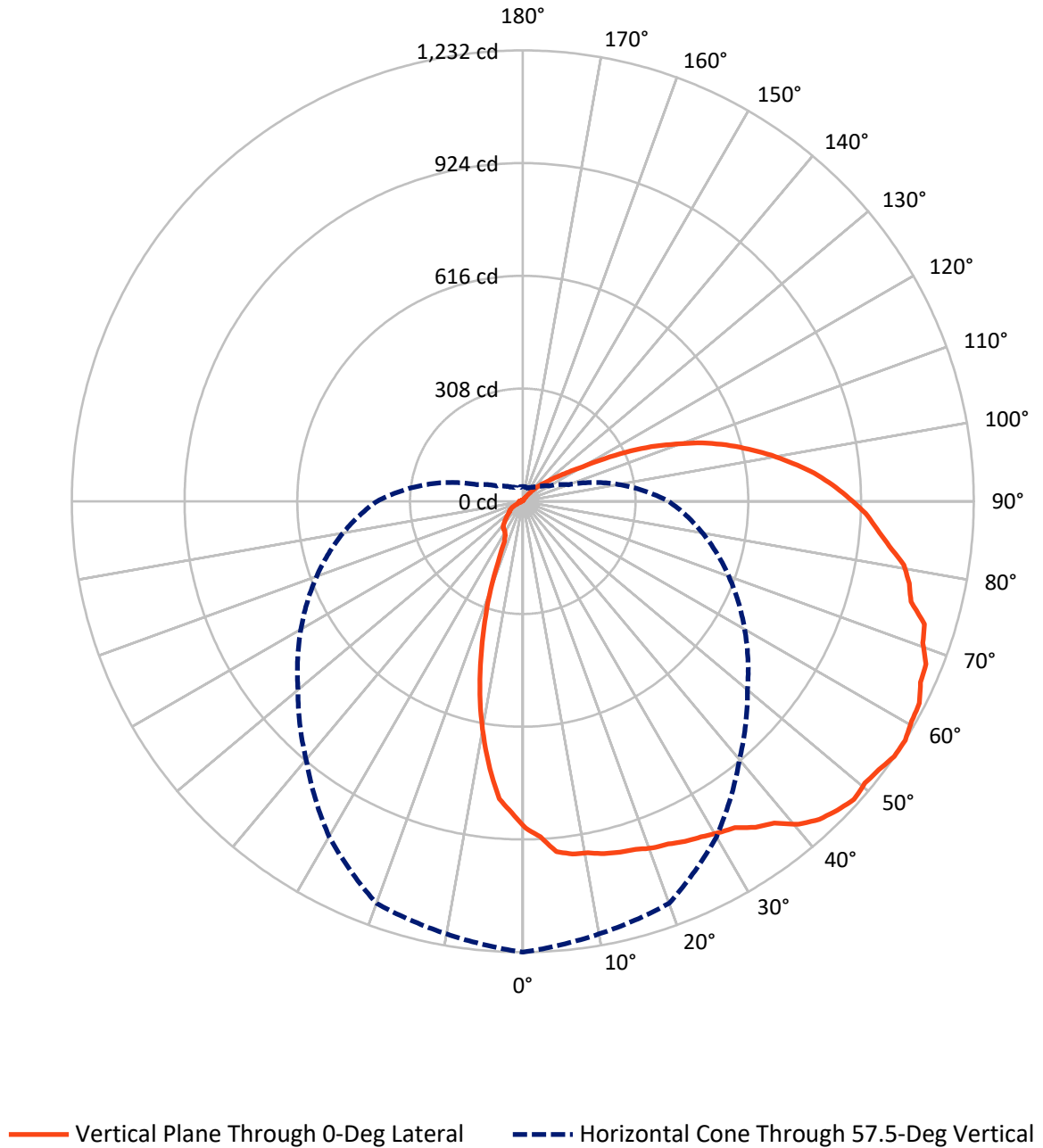
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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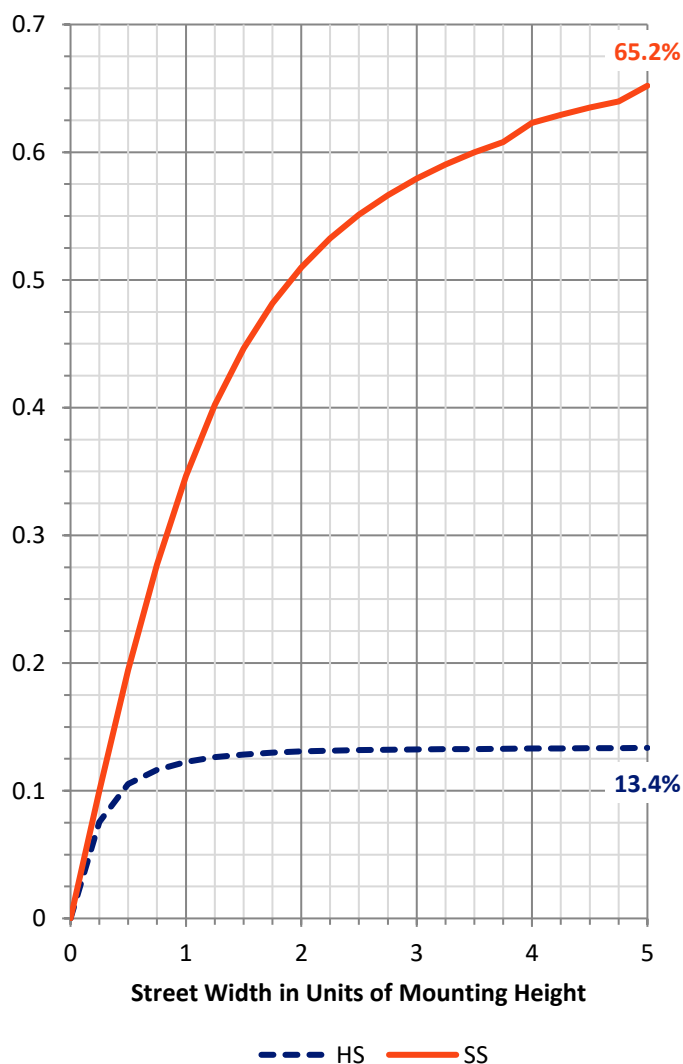
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	478.6	18.1	496.7
	% Fixture	13.6	0.5	14.1
Street Side	Lumens	2520.6	500.7	3021.3
	% Fixture	71.6	14.2	85.9
Total	Lumens	2999.2	518.8	3518.0
	% Fixture	85.3	14.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	2.4
10°-20°	224.8	6.4
20°-30°	306.6	8.7
30°-40°	366.4	10.4
40°-50°	416.3	11.8
50°-60°	441.8	12.6
60°-70°	439.5	12.5
70°-80°	393.5	11.2
80°-90°	325.6	9.3
90°-100°	241.1	6.9
100°-110°	152.8	4.3
110°-120°	74.3	2.1
120°-130°	30.8	0.9
130°-140°	13.2	0.4
140°-150°	4.0	0.1
150°-160°	1.5	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-90°	2999.2	85.3
0°-180°	3518.0	100.0

Coefficient of Utilization

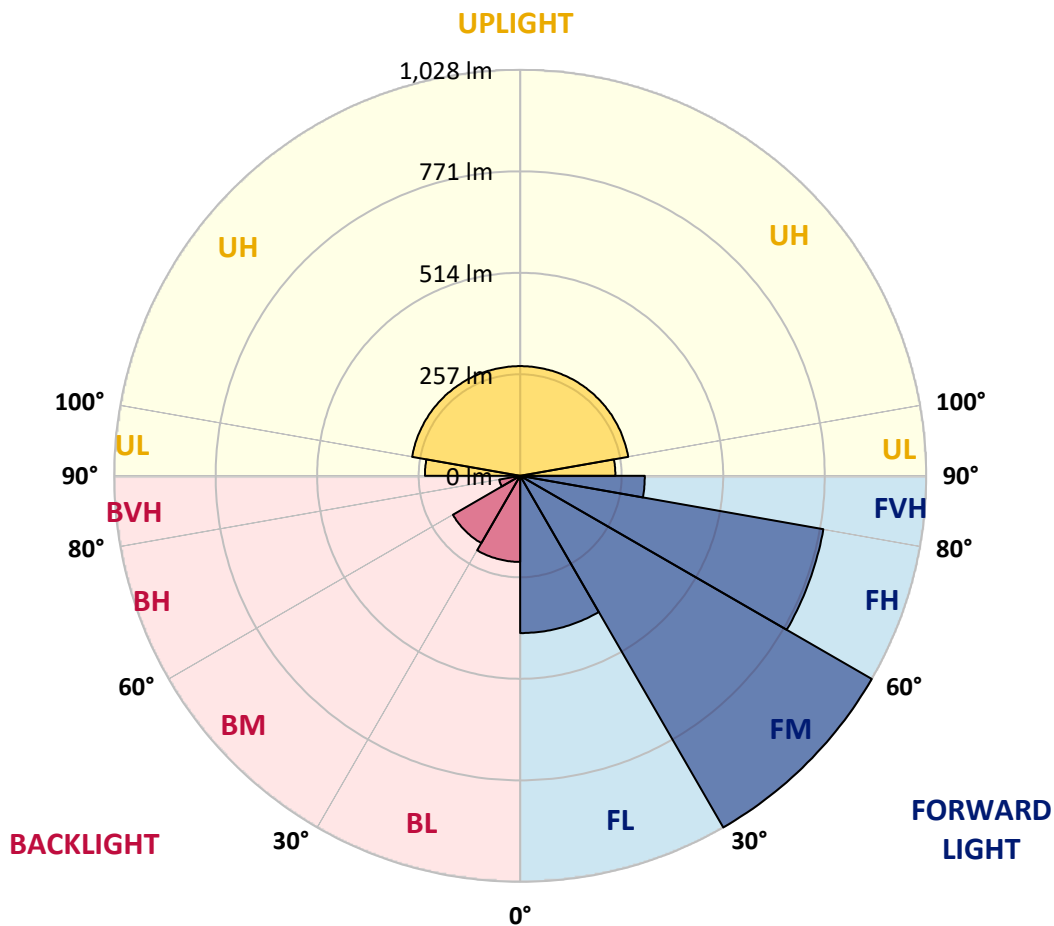


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.1	11.3			
FM (30°-60°)	1027.8	29.2			
FH (60°-80°)	779.3	22.2			G1/1800
FVH (80°-90°)	315.4	9.0			G3/500
BL (0°-30°)	217.9	6.2	B1/500		
BM (30°-60°)	196.7	5.6	B0/220		
BH (60°-80°)	53.8	1.5	B0/110		G0/110
BVH (80°-90°)	10.2	0.3			G1/100
UL (90°-100°)	241.1	6.9		U3/500	
UH (100°-180°)	277.7	7.9		U3/500	

BUG Rating: B1-U3-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	892.8	892.8	892.8	892.8	892.8	892.8	892.8	892.8	892.8	892.8	892.8
2.5°	918.2	922.4	926.7	928.2	928.8	925.9	919.6	914.5	912.8	911.1	901.1
5°	961.4	967.0	972.6	965.7	954.7	945.2	937.1	927.5	913.0	898.5	885.7
7.5°	973.1	976.7	980.4	974.6	965.7	955.6	944.4	932.2	917.5	902.7	881.3
10°	976.9	978.1	979.2	980.0	980.7	975.9	965.7	951.0	922.5	894.0	868.6
12.5°	988.0	983.7	979.3	974.6	969.8	963.4	955.3	942.1	913.6	885.1	850.6
15°	994.5	994.1	993.7	984.8	973.2	964.2	957.8	943.5	905.3	867.1	825.4
17.5°	999.9	1001.3	1002.6	992.0	977.3	962.0	946.0	925.5	891.1	856.6	800.1
20°	1011.2	1007.6	1003.9	991.1	975.2	957.6	938.2	914.4	877.3	840.3	772.1
22.5°	1017.3	1010.4	1003.4	986.6	966.5	943.9	918.8	890.6	853.3	815.9	733.6
25°	1029.6	1022.6	1015.7	992.1	963.0	932.4	900.2	867.6	833.7	799.9	704.0
27.5°	1038.2	1030.4	1022.7	993.2	956.5	920.5	885.3	850.4	816.4	782.3	669.2
30°	1050.9	1037.8	1024.7	990.6	949.5	910.3	872.8	835.3	797.8	760.4	637.8
32.5°	1063.3	1049.4	1035.4	994.6	944.9	897.7	853.0	809.3	768.7	728.1	596.4
35°	1093.8	1075.9	1057.9	1005.6	941.8	886.2	838.7	791.1	743.3	695.5	555.7
37.5°	1115.7	1098.4	1081.1	1017.4	938.3	872.3	819.4	767.6	719.0	670.4	518.0
40°	1160.2	1132.5	1104.7	1030.3	940.4	865.3	805.0	745.9	690.3	634.7	477.6
42.5°	1188.0	1155.0	1122.0	1041.2	944.5	860.6	789.6	721.3	661.3	601.4	439.8
45°	1204.2	1170.9	1137.5	1049.9	944.3	851.9	773.0	697.9	634.1	570.3	406.5
47.5°	1217.6	1183.8	1150.1	1062.0	955.9	856.0	762.2	674.3	604.2	534.0	371.7
50°	1211.0	1179.6	1148.3	1054.2	939.1	833.7	737.7	647.8	576.2	504.7	342.7
52.5°	1218.0	1185.0	1151.9	1053.6	933.6	826.2	731.3	638.9	553.8	468.7	314.6
55°	1230.8	1195.7	1160.6	1054.0	923.6	810.7	715.3	620.6	528.0	435.4	290.2
57.5°	1231.8	1200.3	1168.9	1058.0	920.7	801.3	699.9	598.8	498.5	398.1	265.2
60°	1220.1	1194.1	1168.2	1050.4	902.0	781.9	690.1	592.5	477.3	362.2	242.8
62.5°	1215.7	1191.7	1167.6	1050.2	901.5	775.0	670.8	562.8	443.6	324.3	218.2
65°	1193.7	1171.5	1149.3	1032.1	883.3	759.0	659.2	550.6	415.3	280.0	190.8
67.5°	1187.7	1159.3	1130.8	1011.7	862.4	734.8	629.1	514.7	374.3	233.8	161.7
70°	1159.3	1136.0	1112.7	992.8	840.7	715.7	617.6	504.7	347.3	189.9	134.1
72.5°	1147.0	1113.8	1080.6	960.2	810.8	685.1	583.0	466.6	307.1	147.6	106.5
75°	1095.0	1071.5	1047.9	933.8	789.5	665.0	560.3	440.8	276.7	112.7	84.1
77.5°	1079.0	1051.5	1024.1	906.0	757.8	630.2	523.2	403.3	244.6	85.9	66.5
80°	1055.1	1025.1	995.1	877.2	730.0	599.9	487.1	365.2	216.2	67.1	53.2
82.5°	1008.7	980.3	951.8	835.8	690.7	561.8	449.2	330.4	193.1	55.9	45.1
85°	970.3	940.8	911.2	795.6	651.3	522.3	408.4	292.1	168.5	44.9	36.6
87.5°	936.7	904.1	871.6	756.3	613.5	484.8	370.1	256.7	146.8	37.0	31.2
90°	892.3	859.1	826.0	713.0	573.4	446.2	331.3	221.1	124.8	28.5	25.0
92.5°	847.7	812.4	777.1	666.3	530.3	405.3	291.3	185.7	105.3	25.0	22.4
95°	800.1	764.4	728.7	621.3	489.9	367.5	254.1	152.7	87.7	22.6	20.3
97.5°	745.2	708.0	670.8	569.2	446.0	329.5	219.8	124.5	72.7	20.9	18.1
100°	690.3	652.9	615.4	518.1	400.8	290.8	188.0	100.8	60.5	20.2	17.1
102.5°	632.8	594.8	556.7	465.4	356.4	254.5	159.7	81.0	50.4	19.8	16.5
105°	576.6	535.6	494.6	409.8	310.5	219.3	136.4	68.1	43.5	18.8	15.7
107.5°	516.2	475.0	433.8	356.0	266.0	185.4	114.3	56.2	37.3	18.4	14.5
110°	446.2	408.9	371.6	302.3	222.4	153.4	95.6	48.4	33.0	17.7	13.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	382.0	345.1	308.2	248.3	180.8	124.5	79.4	42.4	29.9	17.4	13.3
115°	311.9	279.8	247.6	199.0	144.8	100.6	66.4	38.0	27.0	16.1	12.0
117.5°	236.5	214.7	192.9	157.2	117.0	83.1	55.7	32.8	23.7	14.6	10.5
120°	177.1	165.4	153.7	128.0	97.7	71.3	49.0	30.2	21.9	13.5	9.6
122.5°	142.5	134.9	127.2	107.0	82.4	61.1	43.0	27.5	19.6	11.8	8.3
125°	115.5	111.8	108.0	91.4	70.6	52.5	37.3	24.1	16.9	9.7	6.9
127.5°	93.5	91.8	90.2	76.5	58.8	43.8	31.4	20.6	14.4	8.1	6.1
130°	77.0	76.5	76.0	64.0	48.0	35.6	26.6	18.5	13.0	7.6	5.8
132.5°	64.2	64.8	65.5	55.1	41.1	30.2	22.3	15.2	10.9	6.5	4.8
135°	54.0	52.4	50.7	43.1	33.4	25.4	18.9	13.1	9.5	5.9	4.6
137.5°	39.4	38.7	38.1	33.2	26.9	21.1	15.7	10.9	7.8	4.8	3.8
140°	26.7	27.2	27.6	24.2	19.6	15.6	12.1	8.9	6.6	4.3	3.8
142.5°	19.0	19.7	20.5	17.9	14.2	11.2	9.0	7.1	5.8	4.5	3.7
145°	13.4	13.9	14.4	12.8	10.6	8.4	6.4	4.7	3.9	3.2	3.0
147.5°	9.9	9.9	9.8	9.1	8.2	7.0	5.5	4.3	3.7	3.2	2.7
150°	6.3	6.1	6.0	5.9	5.8	5.3	4.5	3.8	3.5	3.3	2.7
152.5°	3.4	3.9	4.3	4.5	4.6	4.3	3.8	3.3	2.6	2.0	2.4
155°	4.5	4.5	4.6	4.1	3.5	3.1	2.9	2.7	2.5	2.3	2.6
157.5°	2.8	3.2	3.5	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.3
160°	3.4	3.5	3.6	3.0	2.2	2.0	2.3	2.5	2.5	2.4	2.6
162.5°	2.5	2.6	2.7	2.6	2.5	2.4	2.3	2.3	2.5	2.7	2.4
165°	2.4	2.8	3.2	3.0	2.7	2.6	2.8	3.0	2.8	2.7	2.7
167.5°	3.0	2.8	2.6	2.6	2.7	2.7	2.6	2.6	2.7	2.9	2.9
170°	2.9	3.2	3.6	3.4	3.0	2.9	2.9	2.9	3.0	3.1	3.0
172.5°	2.9	3.0	3.1	3.1	3.1	3.1	3.3	3.3	3.2	3.1	3.2
175°	3.2	3.1	2.9	3.0	3.0	3.1	3.4	3.6	4.0	4.3	3.8
177.5°	3.3	3.6	3.9	4.0	4.0	3.8	3.3	2.9	3.2	3.5	3.5
180°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	892.8	892.8	892.8	892.8	892.8	892.8	892.8	892.8
2.5°	891.2	885.3	880.8	875.1	868.3	861.9	856.8	851.7
5°	872.9	864.9	858.6	849.8	838.4	828.3	821.7	815.1
7.5°	859.9	838.5	817.1	798.2	781.8	765.9	751.3	736.8
10°	843.1	810.1	774.6	741.4	710.8	683.5	666.8	650.1
12.5°	816.2	770.6	721.3	675.2	632.3	595.7	577.9	560.1
15°	783.6	723.0	656.2	596.8	544.9	500.9	480.5	460.0
17.5°	743.5	670.1	591.2	520.6	458.4	406.2	384.2	362.1
20°	703.9	616.7	523.3	443.8	378.3	323.1	298.4	273.8
22.5°	651.2	553.6	450.9	364.5	294.3	234.8	207.1	179.4
25°	608.2	497.5	381.9	287.6	214.8	155.9	138.6	121.3
27.5°	556.1	437.3	316.6	225.9	165.3	118.3	111.8	105.4
30°	515.2	389.1	261.7	177.4	136.0	104.3	101.4	98.5
32.5°	464.7	339.5	216.5	142.6	117.8	98.6	96.2	93.8
35°	415.8	296.2	183.4	119.8	105.3	94.2	93.1	92.0
37.5°	365.6	255.2	158.7	105.9	96.8	89.9	89.5	89.0
40°	320.4	221.3	141.6	98.1	90.7	84.8	83.4	82.0
42.5°	278.2	189.8	125.7	90.3	83.4	77.7	75.4	73.1
45°	242.6	163.8	113.3	84.3	76.7	70.4	67.8	65.2
47.5°	209.4	139.6	100.7	77.2	69.2	62.6	60.3	57.9
50°	180.7	118.3	89.0	70.8	63.5	57.2	53.6	50.0
52.5°	160.5	104.2	80.5	64.5	56.2	49.6	47.8	46.1
55°	145.0	92.8	71.6	57.1	49.1	43.0	42.9	42.7
57.5°	132.3	84.0	64.0	50.6	43.7	38.8	39.6	40.5
60°	123.3	78.0	57.4	43.9	37.5	32.9	33.8	34.7
62.5°	112.1	70.9	51.3	38.3	31.9	27.0	26.4	25.8
65°	101.6	64.6	45.2	32.4	26.3	21.3	20.0	18.6
67.5°	89.6	57.4	38.4	26.2	20.7	16.2	15.0	13.7
70°	78.3	51.0	33.1	20.8	14.3	8.7	6.4	4.0
72.5°	65.4	43.2	27.3	16.2	9.9	5.2	5.9	6.5
75°	55.5	37.5	22.9	13.6	9.6	6.7	7.2	7.7
77.5°	47.1	32.8	20.2	12.6	10.0	8.1	8.3	8.5
80°	39.2	28.2	18.0	11.9	9.9	8.4	9.0	9.6
82.5°	34.3	24.9	15.9	10.9	9.7	8.9	9.3	9.6
85°	28.3	20.9	13.7	9.8	9.2	8.9	9.7	10.6
87.5°	25.4	19.0	12.4	9.0	8.7	8.7	9.1	9.6
90°	21.6	16.7	11.3	8.4	8.0	7.9	8.7	9.5
92.5°	19.8	15.1	9.8	7.3	7.4	7.7	8.3	8.9
95°	18.0	14.0	9.3	7.0	7.0	7.2	7.8	8.5
97.5°	15.2	11.6	7.6	5.9	6.2	6.7	7.2	7.7
100°	14.0	10.5	6.8	5.2	5.8	6.3	6.8	7.4
102.5°	13.3	9.9	6.3	4.9	5.5	6.0	6.4	6.7
105°	12.7	9.3	5.9	4.4	4.6	5.0	5.5	6.0
107.5°	10.6	7.8	5.3	4.2	4.3	4.5	4.9	5.3
110°	10.2	7.4	4.8	3.7	3.9	4.1	4.0	3.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	9.1	6.5	4.3	3.3	3.6	3.7	3.5	3.2
115°	7.8	5.4	3.5	2.6	2.6	2.6	2.3	2.0
117.5°	6.2	4.1	2.7	1.9	1.7	1.6	2.0	2.3
120°	5.7	3.7	2.4	1.8	2.1	2.2	2.2	2.2
122.5°	4.9	3.1	2.0	1.5	1.8	2.1	2.3	2.4
125°	4.0	2.8	2.1	1.5	1.1	0.9	1.3	1.7
127.5°	4.1	2.7	1.5	1.1	1.7	2.2	2.2	2.2
130°	4.0	3.0	2.2	1.8	1.8	1.9	2.1	2.3
132.5°	3.1	2.2	1.5	1.3	1.5	1.7	2.2	2.7
135°	3.4	2.7	2.2	2.2	2.6	2.9	2.7	2.5
137.5°	2.8	2.2	1.8	1.9	2.3	2.6	2.4	2.2
140°	3.3	2.7	2.2	2.1	2.4	2.6	2.4	2.2
142.5°	2.9	2.5	2.1	2.1	2.3	2.4	2.5	2.6
145°	2.9	2.5	2.1	2.0	2.2	2.4	2.5	2.5
147.5°	2.3	2.0	1.9	1.8	1.7	1.7	2.1	2.5
150°	2.1	2.0	2.0	2.0	2.1	2.3	2.9	3.4
152.5°	2.8	2.7	2.4	2.6	3.1	3.4	3.2	3.0
155°	2.8	2.8	2.6	2.6	2.7	2.8	3.0	3.3
157.5°	2.4	2.6	2.9	2.9	2.8	2.8	3.1	3.4
160°	2.7	2.9	3.1	3.1	2.9	2.8	3.1	3.5
162.5°	2.1	2.4	3.1	3.5	3.6	3.7	3.5	3.3
165°	2.7	2.9	3.2	3.5	3.8	3.9	3.4	2.8
167.5°	2.9	2.9	3.0	3.1	3.4	3.6	3.4	3.2
170°	2.8	3.2	3.8	4.1	4.0	4.0	3.7	3.5
172.5°	3.4	3.7	4.1	4.1	3.8	3.5	3.6	3.7
175°	3.2	3.2	3.4	3.6	3.9	4.1	3.8	3.6
177.5°	3.6	3.9	4.2	4.4	4.3	4.0	3.6	3.1
180°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)