

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: P511358

Luminaire Tested: **WPMLED10B**

Issue Date: 4/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511358  
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: WPMLED10B  
Description: WALLPACK DEDICATED CCT  
Light Source: (240) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4869 lumens  
Efficiency: N/A  
Efficacy: 129.2 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

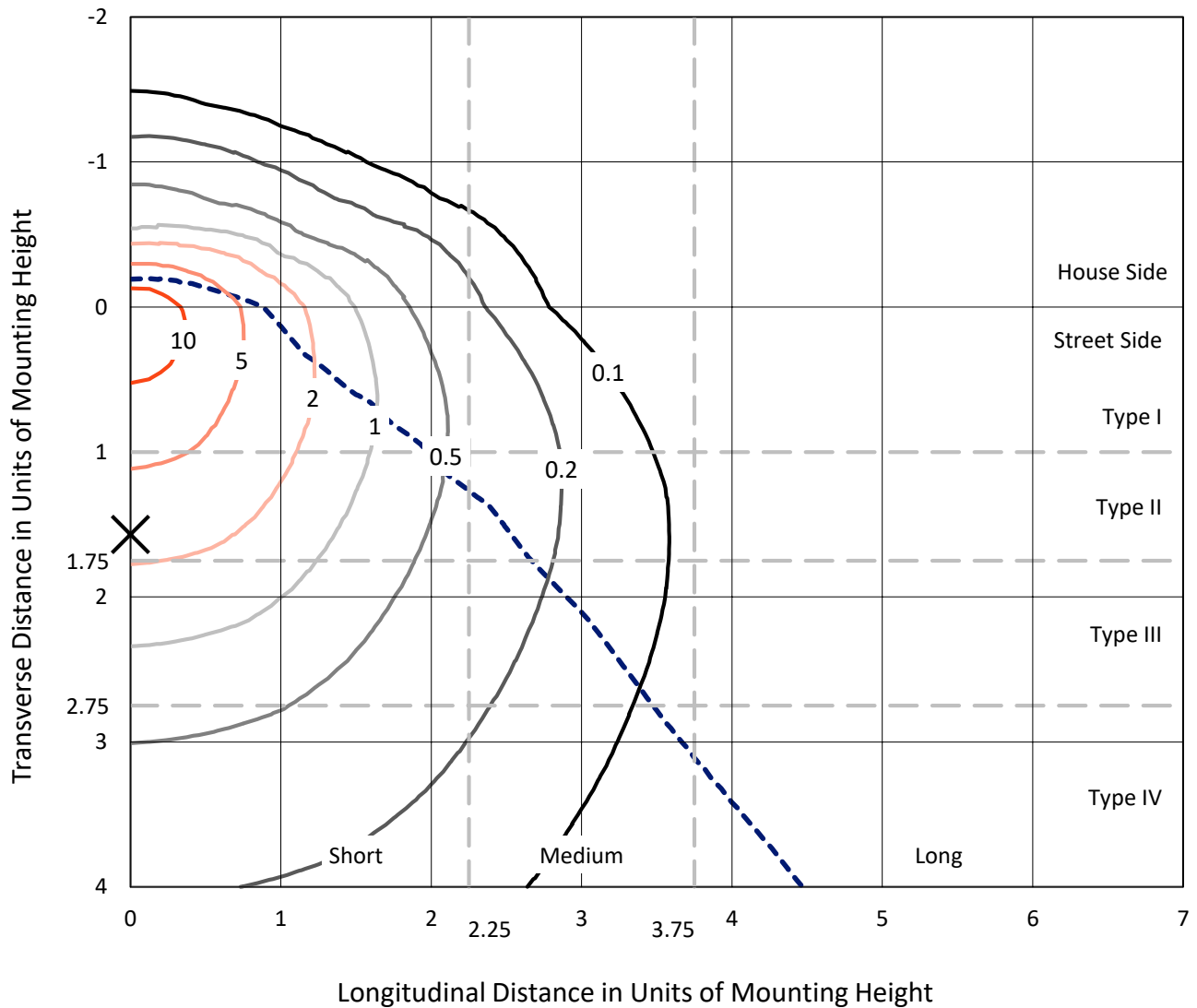
Input Watts (W): 37.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

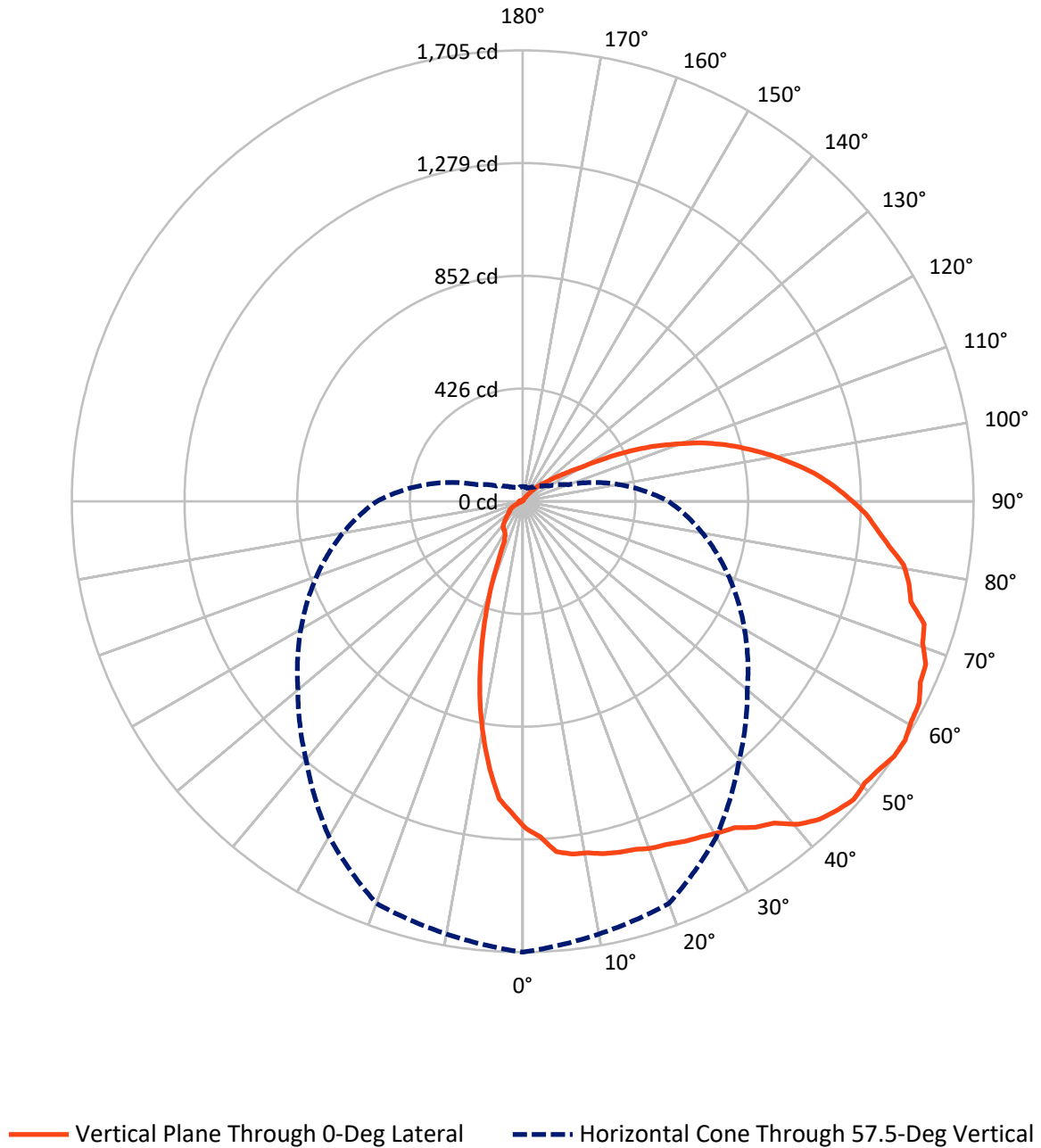
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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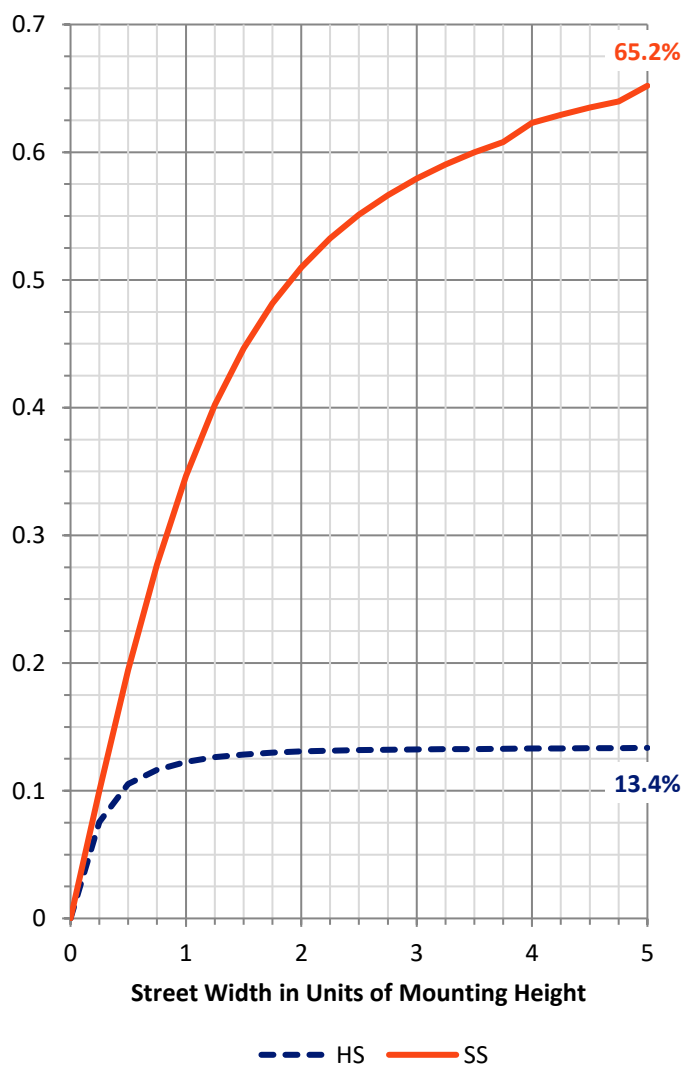
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	662.4	25.0	687.5
	% Fixture	13.6	0.5	14.1
<b>Street Side</b>	Lumens	3488.5	693.0	4181.5
	% Fixture	71.6	14.2	85.9
<b>Total</b>	Lumens	4150.9	718.1	4869.0
	% Fixture	85.3	14.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.0	2.4
10°-20°	311.2	6.4
20°-30°	424.4	8.7
30°-40°	507.1	10.4
40°-50°	576.1	11.8
50°-60°	611.5	12.6
60°-70°	608.3	12.5
70°-80°	544.7	11.2
80°-90°	450.7	9.3
90°-100°	333.6	6.9
100°-110°	211.4	4.3
110°-120°	102.9	2.1
120°-130°	42.7	0.9
130°-140°	18.2	0.4
140°-150°	5.6	0.1
150°-160°	2.0	0.0
160°-170°	1.1	0.0
170°-180°	0.5	0.0
0°-90°	4150.9	85.3
0°-180°	4869.0	100.0

**Coefficient of Utilization**

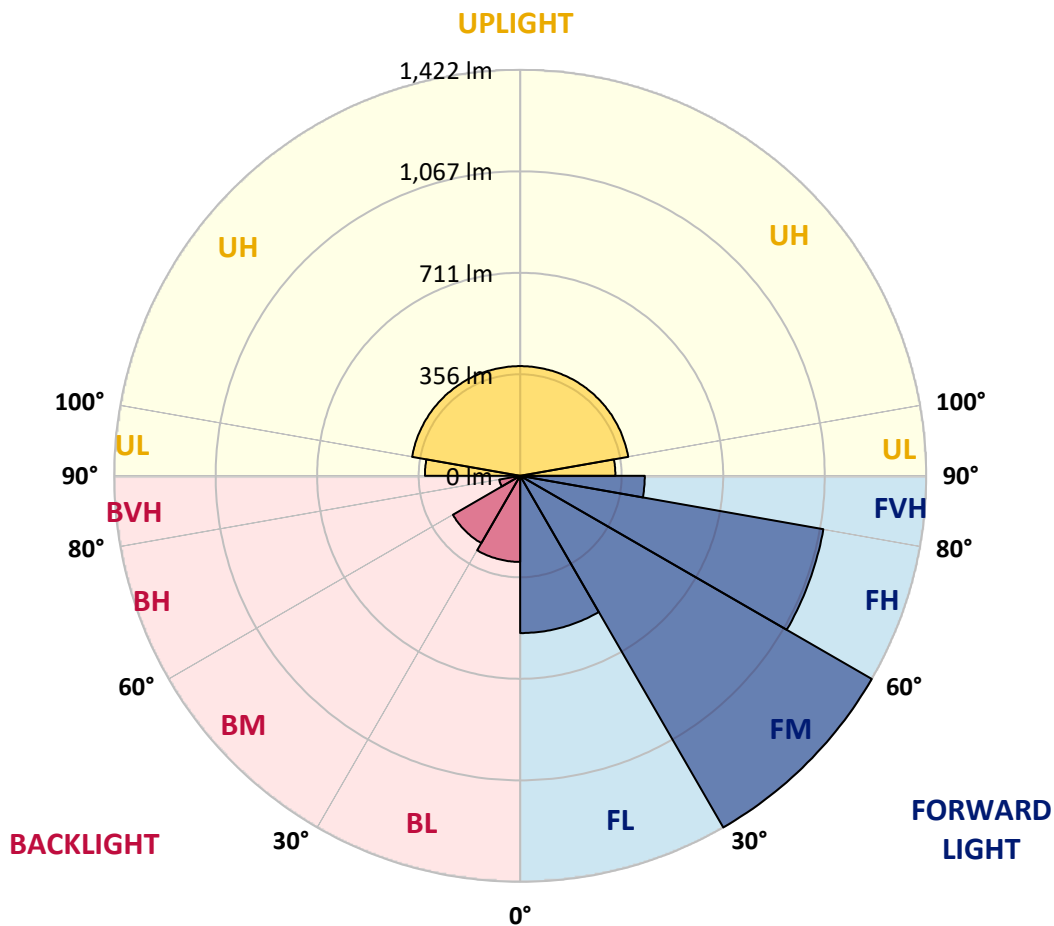


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	550.9	11.3			
FM (30°-60°)	1422.5	29.2			
FH (60°-80°)	1078.5	22.2			G1/1800
FVH (80°-90°)	436.5	9.0			G3/500
BL (0°-30°)	301.6	6.2	B1/500		
BM (30°-60°)	272.3	5.6	B1/1000		
BH (60°-80°)	74.4	1.5	B0/110		G0/110
BVH (80°-90°)	14.1	0.3			G1/100
UL (90°-100°)	333.6	6.9		U3/500	
UH (100°-180°)	384.4	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°	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6
2.5°	1270.8	1276.7	1282.5	1284.6	1285.5	1281.5	1272.8	1265.6	1263.3	1261.0	1247.2
5°	1330.6	1338.3	1346.1	1336.6	1321.3	1308.1	1297.0	1283.6	1263.6	1243.5	1225.8
7.5°	1346.8	1351.8	1356.9	1348.8	1336.5	1322.6	1307.0	1290.3	1269.8	1249.3	1219.7
10°	1352.1	1353.7	1355.3	1356.4	1357.3	1350.7	1336.6	1316.2	1276.7	1237.3	1202.1
12.5°	1367.4	1361.4	1355.4	1348.9	1342.2	1333.3	1322.1	1303.9	1264.4	1225.0	1177.3
15°	1376.4	1375.9	1375.3	1363.1	1346.9	1334.5	1325.7	1305.8	1253.0	1200.1	1142.3
17.5°	1383.9	1385.8	1387.7	1372.9	1352.6	1331.4	1309.3	1280.9	1233.2	1185.6	1107.3
20°	1399.6	1394.5	1389.4	1371.7	1349.7	1325.3	1298.5	1265.6	1214.2	1162.9	1068.6
22.5°	1408.0	1398.4	1388.8	1365.5	1337.6	1306.4	1271.7	1232.7	1181.0	1129.3	1015.3
25°	1425.0	1415.4	1405.7	1373.1	1332.8	1290.4	1245.9	1200.8	1153.9	1107.0	974.4
27.5°	1436.9	1426.2	1415.4	1374.6	1323.8	1274.0	1225.3	1177.0	1129.9	1082.8	926.2
30°	1454.5	1436.4	1418.2	1371.0	1314.2	1259.8	1207.9	1156.1	1104.2	1052.4	882.8
32.5°	1471.7	1452.4	1433.1	1376.6	1307.8	1242.5	1180.6	1120.1	1063.9	1007.6	825.4
35°	1513.9	1489.0	1464.1	1391.8	1303.5	1226.5	1160.7	1094.9	1028.8	962.6	769.0
37.5°	1544.2	1520.2	1496.3	1408.2	1298.6	1207.2	1134.1	1062.4	995.1	927.8	716.9
40°	1605.8	1567.4	1529.0	1426.0	1301.5	1197.5	1114.1	1032.3	955.4	878.5	661.0
42.5°	1644.3	1598.6	1552.9	1441.1	1307.2	1191.2	1092.8	998.2	915.3	832.3	608.6
45°	1666.7	1620.5	1574.4	1453.1	1306.9	1179.1	1069.8	965.9	877.6	789.3	562.6
47.5°	1685.1	1638.4	1591.7	1469.9	1323.0	1184.7	1054.9	933.2	836.2	739.1	514.4
50°	1676.1	1632.7	1589.3	1459.0	1299.8	1153.8	1021.0	896.6	797.5	698.5	474.3
52.5°	1685.8	1640.0	1594.3	1458.2	1292.1	1143.4	1012.1	884.2	766.4	648.6	435.4
55°	1703.5	1654.9	1606.3	1458.8	1278.3	1122.0	990.0	858.9	730.7	602.6	401.6
57.5°	1704.8	1661.3	1617.8	1464.3	1274.2	1109.0	968.7	828.8	689.9	551.0	367.1
60°	1688.6	1652.7	1616.8	1453.8	1248.4	1082.2	955.1	820.0	660.6	501.2	336.0
62.5°	1682.5	1649.3	1616.1	1453.4	1247.7	1072.7	928.4	778.9	613.9	448.8	302.0
65°	1652.1	1621.4	1590.6	1428.4	1222.5	1050.5	912.4	762.0	574.8	387.5	264.0
67.5°	1643.8	1604.4	1565.1	1400.3	1193.6	1017.0	870.7	712.4	518.0	323.6	223.8
70°	1604.5	1572.3	1540.0	1374.1	1163.6	990.5	854.7	698.5	480.6	262.8	185.6
72.5°	1587.5	1541.5	1495.6	1329.0	1122.2	948.2	806.9	645.7	425.0	204.2	147.4
75°	1515.5	1482.9	1450.4	1292.4	1092.7	920.4	775.5	610.1	383.0	155.9	116.4
77.5°	1493.3	1455.4	1417.4	1254.0	1048.8	872.2	724.1	558.2	338.5	118.9	92.0
80°	1460.3	1418.7	1377.2	1214.0	1010.3	830.3	674.2	505.5	299.2	92.9	73.6
82.5°	1396.1	1356.7	1317.3	1156.8	955.9	777.5	621.6	457.2	267.3	77.3	62.4
85°	1342.9	1302.1	1261.2	1101.2	901.5	722.8	565.2	404.2	233.2	62.1	50.7
87.5°	1296.4	1251.4	1206.3	1046.8	849.1	670.9	512.2	355.2	203.2	51.2	43.1
90°	1234.9	1189.0	1143.2	986.8	793.6	617.5	458.6	306.0	172.7	39.4	34.6
92.5°	1173.3	1124.4	1075.6	922.2	733.9	560.9	403.1	257.0	145.8	34.6	31.0
95°	1107.3	1057.9	1008.5	859.9	678.1	508.7	351.6	211.3	121.3	31.3	28.1
97.5°	1031.3	979.9	928.5	787.8	617.3	456.1	304.2	172.3	100.7	29.0	25.0
100°	955.4	903.6	851.7	717.0	554.7	402.4	260.2	139.5	83.7	28.0	23.6
102.5°	875.9	823.2	770.5	644.2	493.3	352.3	221.1	112.1	69.8	27.4	22.9
105°	798.0	741.2	684.5	567.2	429.7	303.6	188.8	94.3	60.2	26.1	21.8
107.5°	714.5	657.4	600.3	492.7	368.1	256.6	158.1	77.8	51.6	25.5	20.1
110°	617.6	566.0	514.3	418.4	307.8	212.4	132.3	67.0	45.7	24.5	19.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	528.7	477.6	426.6	343.7	250.3	172.3	109.9	58.7	41.4	24.1	18.4
115°	431.7	387.2	342.7	275.4	200.4	139.3	91.9	52.5	37.4	22.3	16.6
117.5°	327.4	297.2	266.9	217.6	161.9	115.0	77.1	45.4	32.8	20.3	14.5
120°	245.1	228.9	212.7	177.2	135.2	98.7	67.8	41.8	30.3	18.8	13.3
122.5°	197.2	186.7	176.1	148.0	114.1	84.6	59.5	38.0	27.1	16.3	11.5
125°	159.9	154.7	149.5	126.5	97.7	72.7	51.6	33.4	23.4	13.5	9.5
127.5°	129.4	127.1	124.8	105.8	81.4	60.6	43.5	28.5	19.9	11.3	8.5
130°	106.6	105.9	105.2	88.5	66.5	49.2	36.8	25.6	18.0	10.5	8.0
132.5°	88.8	89.7	90.6	76.3	56.9	41.8	30.8	21.1	15.1	9.1	6.7
135°	74.8	72.5	70.2	59.6	46.3	35.1	26.1	18.2	13.2	8.2	6.4
137.5°	54.5	53.6	52.8	46.0	37.3	29.2	21.7	15.1	10.9	6.7	5.2
140°	37.0	37.6	38.2	33.6	27.2	21.6	16.7	12.3	9.1	6.0	5.3
142.5°	26.3	27.3	28.4	24.8	19.7	15.6	12.5	9.8	8.0	6.3	5.1
145°	18.5	19.2	19.9	17.7	14.6	11.7	8.8	6.5	5.4	4.4	4.2
147.5°	13.8	13.6	13.6	12.6	11.4	9.7	7.7	5.9	5.1	4.4	3.8
150°	8.7	8.5	8.3	8.1	8.0	7.4	6.2	5.3	4.9	4.5	3.8
152.5°	4.7	5.3	6.0	6.2	6.3	6.0	5.3	4.5	3.6	2.8	3.3
155°	6.2	6.3	6.4	5.7	4.8	4.2	4.0	3.7	3.5	3.2	3.5
157.5°	3.9	4.4	4.9	4.7	4.3	3.9	3.7	3.4	3.2	3.0	3.2
160°	4.7	4.8	5.0	4.2	3.0	2.7	3.2	3.5	3.4	3.4	3.6
162.5°	3.4	3.6	3.8	3.6	3.4	3.3	3.2	3.2	3.4	3.7	3.3
165°	3.4	3.9	4.4	4.2	3.7	3.6	3.9	4.1	3.9	3.7	3.7
167.5°	4.2	3.9	3.6	3.6	3.8	3.8	3.6	3.6	3.8	4.0	4.0
170°	4.0	4.4	4.9	4.7	4.2	3.9	3.9	4.0	4.2	4.4	4.1
172.5°	4.1	4.2	4.4	4.3	4.2	4.3	4.5	4.6	4.4	4.2	4.5
175°	4.4	4.2	4.1	4.1	4.2	4.4	4.7	5.0	5.5	6.0	5.2
177.5°	4.6	5.0	5.4	5.5	5.6	5.2	4.5	4.1	4.4	4.8	4.9
180°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4





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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
0°	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6
2.5°	1233.4	1225.3	1219.0	1211.1	1201.8	1192.9	1185.8	1178.7
5°	1208.1	1197.1	1188.3	1176.1	1160.4	1146.4	1137.3	1128.1
7.5°	1190.1	1160.5	1130.8	1104.7	1082.0	1060.0	1039.9	1019.8
10°	1166.9	1121.2	1072.0	1026.2	983.7	946.0	922.9	899.7
12.5°	1129.6	1066.5	998.2	934.4	875.1	824.4	799.8	775.2
15°	1084.5	1000.7	908.2	826.0	754.2	693.3	665.0	636.7
17.5°	1029.0	927.5	818.2	720.5	634.4	562.2	531.7	501.2
20°	974.3	853.6	724.2	614.2	523.6	447.1	413.1	378.9
22.5°	901.3	766.2	624.0	504.4	407.4	325.0	286.6	248.2
25°	841.8	688.6	528.5	398.1	297.3	215.8	191.8	167.9
27.5°	769.7	605.2	438.2	312.7	228.8	163.7	154.7	145.8
30°	713.1	538.5	362.2	245.5	188.3	144.4	140.4	136.4
32.5°	643.2	469.9	299.7	197.4	163.1	136.5	133.2	129.8
35°	575.5	410.0	253.9	165.8	145.7	130.3	128.8	127.3
37.5°	506.0	353.2	219.6	146.5	134.0	124.5	123.8	123.2
40°	443.4	306.3	196.0	135.7	125.5	117.4	115.5	113.5
42.5°	385.0	262.6	174.0	124.9	115.5	107.6	104.4	101.1
45°	335.8	226.7	156.9	116.7	106.2	97.4	93.8	90.3
47.5°	289.8	193.2	139.3	106.8	95.8	86.6	83.4	80.2
50°	250.1	163.7	123.2	98.0	87.9	79.1	74.2	69.2
52.5°	222.1	144.2	111.4	89.2	77.8	68.6	66.2	63.8
55°	200.7	128.5	99.1	79.0	67.9	59.6	59.3	59.2
57.5°	183.1	116.3	88.6	70.0	60.5	53.7	54.9	56.0
60°	170.7	108.0	79.4	60.7	51.9	45.5	46.8	48.0
62.5°	155.2	98.1	71.0	53.0	44.2	37.4	36.6	35.7
65°	140.6	89.4	62.5	44.8	36.3	29.5	27.7	25.8
67.5°	124.1	79.4	53.2	36.3	28.6	22.4	20.7	19.0
70°	108.4	70.5	45.8	28.8	19.7	12.1	8.8	5.6
72.5°	90.5	59.8	37.8	22.4	13.6	7.3	8.1	8.9
75°	76.9	51.9	31.7	18.9	13.3	9.3	10.0	10.7
77.5°	65.1	45.4	27.9	17.4	13.8	11.2	11.5	11.8
80°	54.3	39.0	25.0	16.5	13.6	11.7	12.5	13.3
82.5°	47.5	34.5	22.1	15.0	13.4	12.3	12.8	13.3
85°	39.2	28.9	19.0	13.6	12.7	12.3	13.5	14.7
87.5°	35.1	26.3	17.1	12.4	12.1	12.0	12.6	13.3
90°	29.9	23.1	15.7	11.7	11.0	10.9	12.0	13.2
92.5°	27.4	20.9	13.6	10.0	10.3	10.7	11.5	12.3
95°	24.9	19.3	12.9	9.7	9.7	10.0	10.9	11.8
97.5°	21.0	16.0	10.6	8.1	8.6	9.2	9.9	10.6
100°	19.3	14.5	9.4	7.3	8.0	8.7	9.5	10.2
102.5°	18.5	13.7	8.8	6.7	7.6	8.3	8.8	9.2
105°	17.5	12.9	8.2	6.1	6.4	6.9	7.6	8.3
107.5°	14.7	10.8	7.4	5.8	6.0	6.3	6.8	7.3
110°	14.1	10.2	6.7	5.1	5.4	5.6	5.5	5.4



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 CATALOG NUMBER: WPML10B

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	12.6	8.9	5.9	4.6	5.0	5.2	4.8	4.4
115°	10.9	7.5	4.9	3.6	3.6	3.5	3.2	2.8
117.5°	8.6	5.7	3.8	2.6	2.3	2.2	2.7	3.2
120°	7.9	5.1	3.3	2.6	2.9	3.1	3.0	3.0
122.5°	6.8	4.4	2.7	2.1	2.6	3.0	3.1	3.3
125°	5.6	3.9	2.9	2.1	1.5	1.2	1.8	2.3
127.5°	5.7	3.7	2.0	1.6	2.4	3.0	3.0	3.0
130°	5.5	4.1	3.0	2.5	2.6	2.7	2.9	3.1
132.5°	4.2	3.0	2.1	1.8	2.0	2.4	3.0	3.8
135°	4.7	3.7	3.0	3.0	3.6	4.1	3.8	3.5
137.5°	3.8	3.1	2.6	2.6	3.2	3.5	3.3	3.0
140°	4.5	3.8	3.1	2.9	3.4	3.6	3.4	3.1
142.5°	4.0	3.4	3.0	2.9	3.2	3.4	3.5	3.6
145°	4.0	3.5	2.9	2.8	3.1	3.3	3.4	3.5
147.5°	3.1	2.8	2.6	2.5	2.3	2.4	2.9	3.5
150°	3.0	2.8	2.8	2.8	2.9	3.1	3.9	4.8
152.5°	3.8	3.7	3.3	3.5	4.2	4.7	4.4	4.1
155°	3.9	3.8	3.6	3.6	3.7	3.8	4.2	4.6
157.5°	3.3	3.6	3.9	4.1	3.9	3.9	4.3	4.7
160°	3.8	4.0	4.3	4.2	4.0	3.9	4.4	4.8
162.5°	2.9	3.4	4.2	4.8	5.0	5.1	4.8	4.5
165°	3.8	4.0	4.4	4.8	5.3	5.4	4.7	3.9
167.5°	4.0	4.0	4.1	4.3	4.7	5.0	4.7	4.4
170°	3.9	4.5	5.3	5.6	5.6	5.5	5.2	4.9
172.5°	4.7	5.1	5.7	5.7	5.2	4.9	5.0	5.2
175°	4.5	4.5	4.7	5.0	5.4	5.6	5.3	4.9
177.5°	5.0	5.4	5.9	6.1	5.9	5.6	5.0	4.3
180°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4

(END OF REPORT)