

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: P314592

Luminaire Tested: **MPW-A6-D-U-SYM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1906-378-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPW-A6-D-U-SYM
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 4000K LIGHT ENGINE. SYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6539 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type I - Short - Non-Cutoff
BUG Rating: B3 - U5 - G4

Input Watts (W): 64.1
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

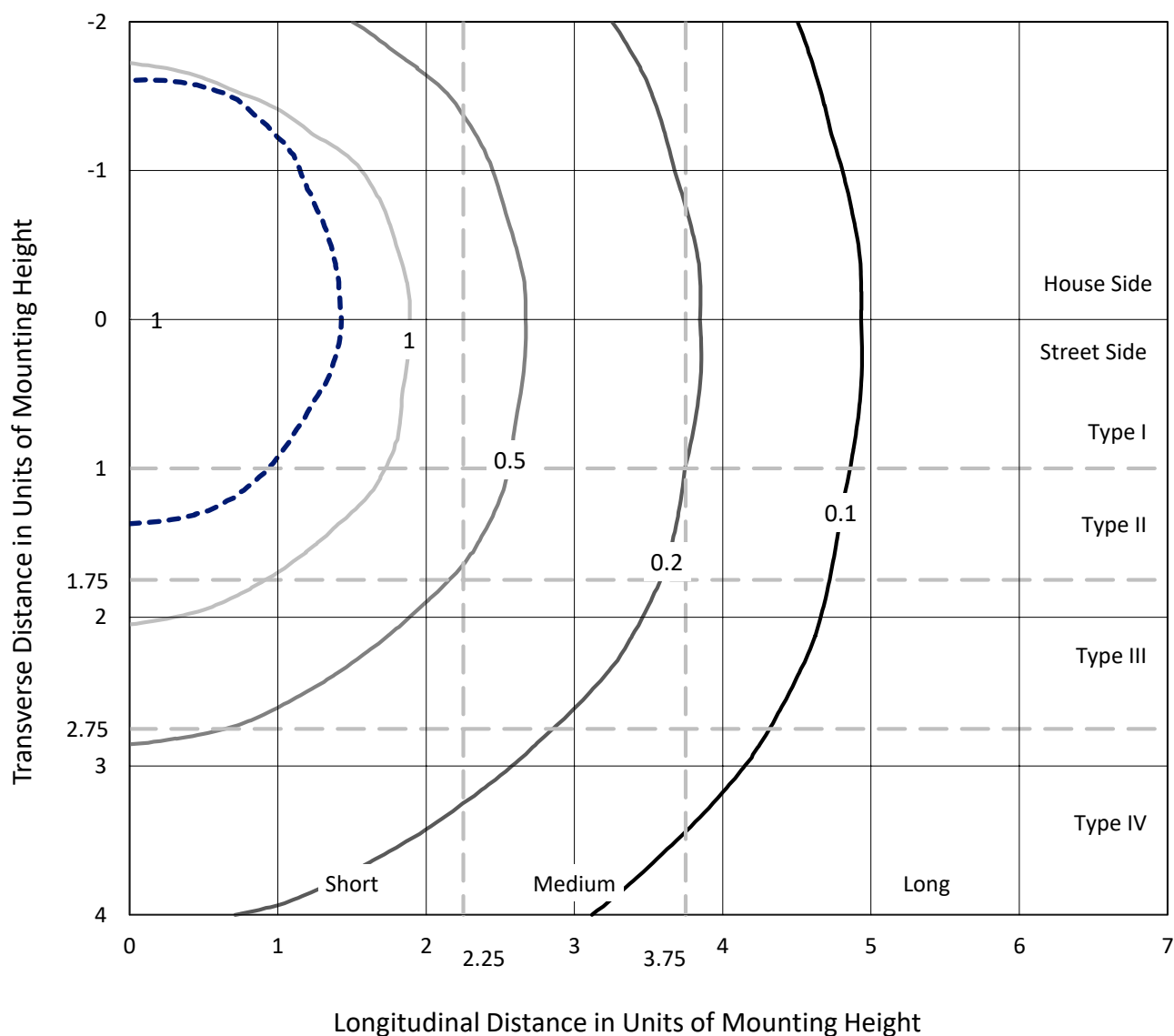


REPORT NUMBER: P314592

CATALOG NUMBER: MPW-A6-D-U-SYM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

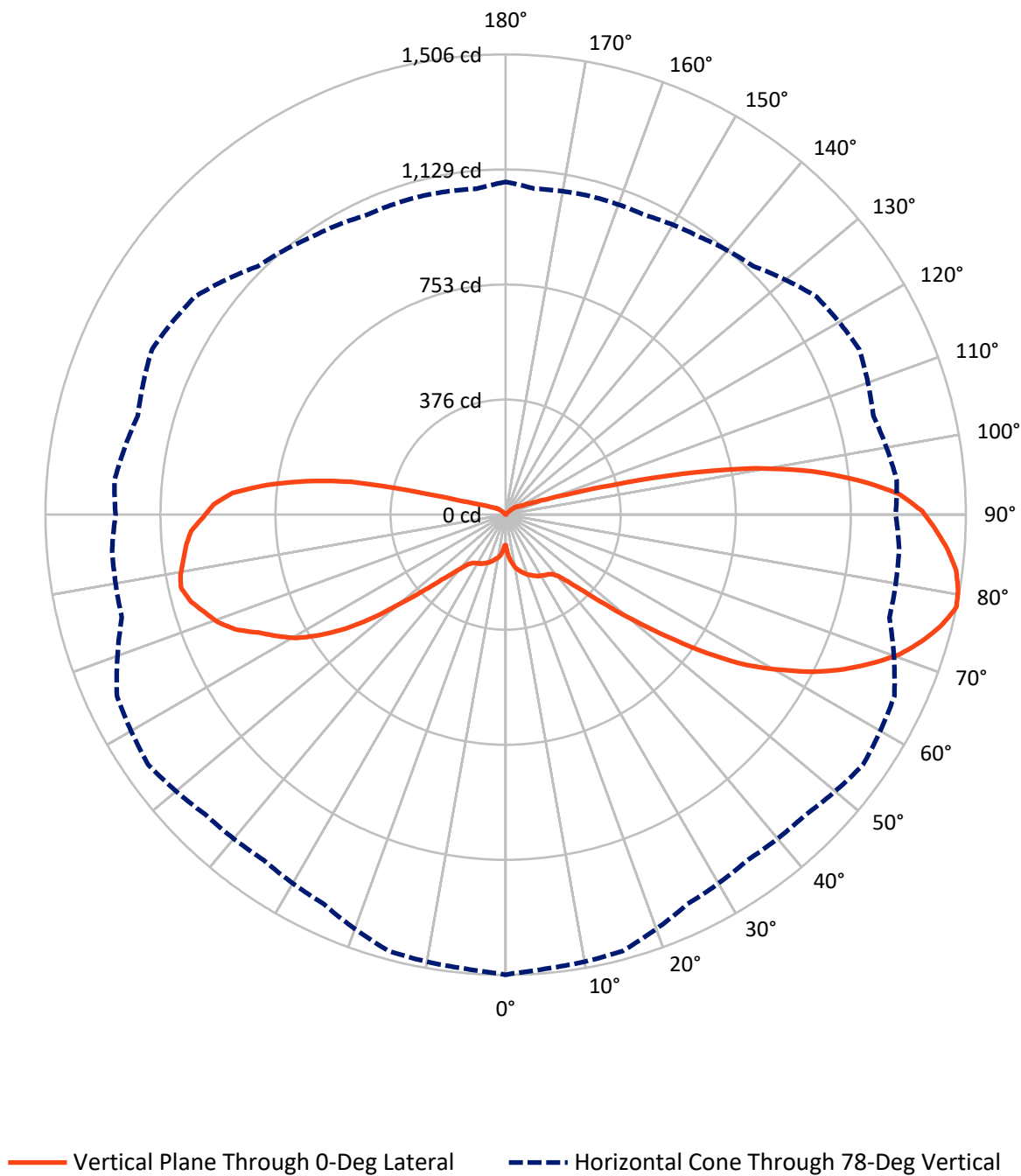


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type I - Short - Non-Cutoff

REPORT NUMBER: P314592

CATALOG NUMBER: MPW-A6-D-U-SYM

Luminous Intensity Polar Plot



REPORT NUMBER: P314592

CATALOG NUMBER: MPW-A6-D-U-SYM

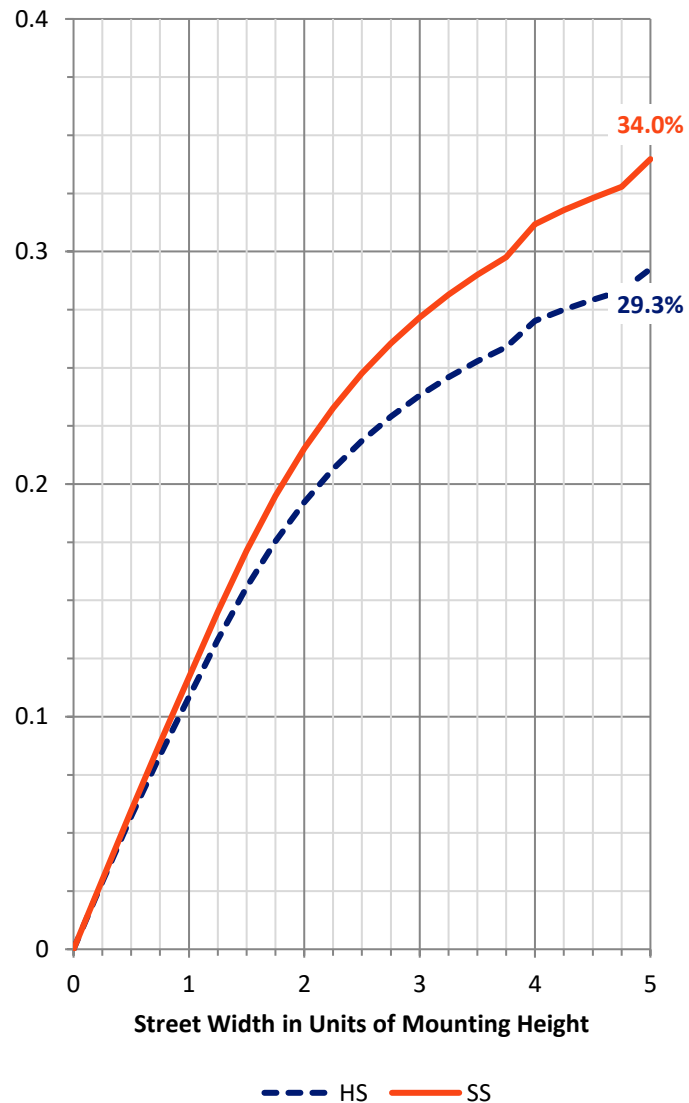
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2257.0	751.7	3008.7
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	2663.9	866.3	3530.3
	% Fixture	40.7	13.2	54.0
Total	Lumens	4920.9	1618.1	6539.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.2
10°-20°	49.6	0.8
20°-30°	92.8	1.4
30°-40°	139.0	2.1
40°-50°	272.5	4.2
50°-60°	652.2	10.0
60°-70°	1038.2	15.9
70°-80°	1316.1	20.1
80°-90°	1347.2	20.6
90°-100°	1097.2	16.8
100°-110°	396.3	6.1
110°-120°	80.8	1.2
120°-130°	36.4	0.6
130°-140°	7.3	0.1
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°	4920.9	75.3
0°-180°	6539.0	100.0

Coefficient of Utilization



REPORT NUMBER: P314592

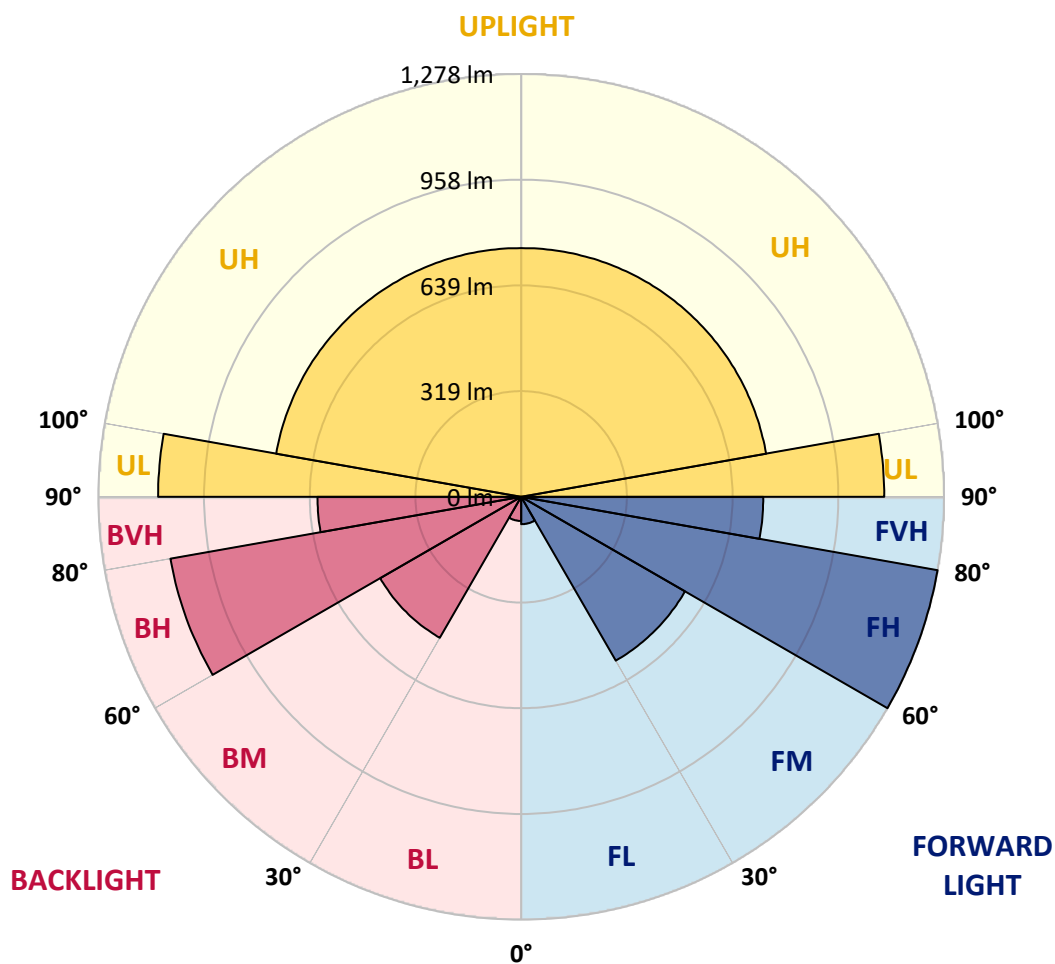
CATALOG NUMBER: MPW-A6-D-U-SYM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.8	1.3			
FM	(30°-60°)	571.7	8.7			
FH	(60°-80°)	1277.9	19.5			G1/1800
FVH	(80°-90°)	731.5	11.2			G4/750
BL	(0°-30°)	72.9	1.1	B0/110		
BM	(30°-60°)	492.0	7.5	B1/1000		
BH	(60°-80°)	1076.4	16.5	B3/2500		G3/2500
BVH	(80°-90°)	615.7	9.4			G4/750
UL	(90°-100°)	1097.2	16.8		U5	
UH	(100°-180°)	751.7	11.5		U4/1000	

BUG Rating: B3-U5-G4

Type I Short





REPORT NUMBER: P314592

CATALOG NUMBER: MPW-A6-D-U-SYM

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5°	127.1	126.1	125.2	123.3	124.2	123.3	121.4	118.5	115.7	112.8	110.9
5°	147.0	146.0	146.0	146.0	146.0	146.0	145.1	142.2	138.4	134.6	129.9
7.5°	162.1	161.2	161.2	162.1	162.1	161.2	159.3	157.4	154.6	152.7	148.9
10°	176.4	175.4	175.4	175.4	174.5	172.6	170.7	167.8	164.0	162.1	159.3
12.5°	185.9	184.9	184.9	184.0	183.0	181.1	177.3	173.5	171.6	168.8	165.9
15°	194.4	193.4	193.4	191.5	190.6	188.7	184.9	182.1	179.2	177.3	175.4
17.5°	202.0	202.0	201.0	199.1	198.2	196.3	193.4	189.6	186.8	184.9	182.1
20°	209.6	208.6	208.6	206.7	204.8	202.9	200.1	197.2	195.3	192.5	189.6
22.5°	215.2	215.2	214.3	213.3	211.5	210.5	206.7	204.8	202.0	200.1	197.2
25°	221.9	221.9	221.9	220.0	218.1	217.1	213.3	211.5	209.6	206.7	202.9
27.5°	227.6	226.6	227.6	225.7	222.8	221.9	218.1	215.2	213.3	211.5	207.7
30°	231.4	231.4	230.4	229.5	226.6	224.7	221.9	219.0	217.1	214.3	211.5
32.5°	236.1	234.2	236.1	232.3	230.4	227.6	224.7	220.9	219.0	216.2	213.3
35°	239.9	239.0	239.0	238.0	234.2	232.3	228.5	225.7	222.8	220.0	217.1
37.5°	246.5	246.5	246.5	244.6	242.7	243.7	240.8	237.1	234.2	230.4	225.7
40°	263.6	263.6	263.6	263.6	262.7	265.5	264.6	263.6	262.7	257.0	249.4
42.5°	298.7	299.6	298.7	298.7	299.6	305.3	306.3	308.2	305.3	296.8	286.4
45°	355.6	357.5	355.6	358.4	360.3	367.9	367.0	368.9	365.1	357.5	340.4
47.5°	438.1	440.9	441.9	436.2	437.1	444.7	449.5	451.4	447.6	430.5	415.3
50°	541.4	544.3	544.3	539.5	534.8	544.3	550.9	554.7	556.6	528.2	511.1
52.5°	662.8	666.6	665.7	660.0	650.5	670.4	676.1	694.1	689.4	646.7	627.7
55°	800.3	804.1	803.1	791.8	776.6	785.1	802.2	823.1	817.4	765.2	751.9
57.5°	928.3	930.2	930.2	916.0	898.0	892.3	903.7	928.3	918.8	858.1	846.8
60°	1030.7	1032.6	1033.6	1011.8	989.9	977.6	987.1	1014.6	1005.1	934.9	923.6
62.5°	1132.2	1124.6	1117.0	1099.0	1068.6	1054.4	1056.3	1092.4	1073.4	996.6	988.0
65°	1219.4	1216.6	1198.6	1179.6	1146.4	1130.3	1130.3	1168.2	1149.2	1067.7	1056.3
67.5°	1296.2	1296.2	1275.4	1257.3	1212.8	1193.8	1190.0	1235.5	1211.8	1128.4	1114.2
70°	1368.3	1366.4	1342.7	1330.4	1275.4	1247.9	1252.6	1299.1	1278.2	1190.0	1179.6
72.5°	1421.4	1421.4	1404.3	1392.9	1325.6	1300.0	1301.9	1351.2	1327.5	1234.6	1220.4
75°	1467.8	1464.1	1454.6	1444.1	1374.0	1344.6	1349.3	1397.7	1373.0	1279.2	1273.5
77.5°	1501.0	1498.2	1489.7	1478.3	1401.5	1374.9	1382.5	1426.1	1404.3	1297.2	1289.6
78°	1505.8	1501.0	1491.6	1478.3	1406.2	1379.7	1388.2	1427.1	1403.4	1300.0	1292.4
80°	1501.0	1497.2	1486.8	1472.6	1409.1	1377.8	1382.5	1416.6	1392.0	1295.3	1284.8
82.5°	1484.9	1482.1	1472.6	1455.5	1392.0	1365.4	1370.2	1402.4	1380.6	1280.1	1284.8
85°	1450.8	1444.1	1436.6	1419.5	1364.5	1334.1	1337.9	1369.2	1344.6	1246.0	1243.1
87.5°	1408.1	1403.4	1397.7	1380.6	1329.4	1302.9	1303.8	1335.1	1311.4	1219.4	1219.4
90°	1362.6	1356.9	1352.2	1336.0	1285.8	1260.2	1261.1	1296.2	1277.3	1192.9	1197.6
92.5°	1289.6	1284.8	1280.1	1262.1	1216.6	1191.9	1195.7	1229.8	1210.9	1128.4	1134.1
95°	1163.5	1159.7	1160.6	1147.3	1106.6	1083.8	1084.8	1118.9	1100.9	1028.8	1044.0
97.5°	1015.5	1013.6	1008.0	1003.2	967.2	953.0	949.2	986.1	977.6	915.0	931.2
100°	832.5	828.7	822.1	820.2	797.5	791.8	794.6	829.7	825.0	770.9	787.0
102.5°	589.8	588.8	594.5	584.1	574.6	576.5	587.9	617.3	612.6	566.1	576.5
105°	358.4	359.4	354.6	351.8	344.2	343.3	345.2	353.7	343.3	312.0	313.9
107.5°	213.3	214.3	215.2	208.6	202.9	201.0	200.1	202.9	197.2	184.9	184.9



REPORT NUMBER: P314592

CATALOG NUMBER: MPW-A6-D-U-SYM

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	145.1	145.1	146.0	142.2	137.5	137.5	136.5	139.4	137.5	130.9	130.9
112.5°	106.2	107.1	106.2	104.3	101.5	102.4	102.4	104.3	104.3	100.5	100.5
115°	82.5	82.5	82.5	80.6	78.7	78.7	79.7	81.5	82.5	80.6	80.6
117.5°	65.4	65.4	65.4	64.5	62.6	62.6	63.5	64.5	66.4	65.4	65.4
120°	55.0	55.0	55.0	54.0	53.1	53.1	54.0	55.0	55.9	55.0	55.0
122.5°	49.3	49.3	49.3	48.4	47.4	47.4	47.4	48.4	49.3	49.3	49.3
125°	44.6	44.6	44.6	44.6	42.7	41.7	42.7	43.6	44.6	45.5	45.5
127.5°	37.0	37.0	37.9	37.0	36.0	36.0	37.0	37.0	38.9	39.8	39.8
130°	27.5	27.5	28.4	28.4	27.5	26.6	27.5	28.4	30.3	31.3	30.3
132.5°	17.1	18.0	18.0	18.0	17.1	17.1	18.0	19.0	20.9	21.8	20.9
135°	1.9	1.9	2.8	1.9	2.8	2.8	2.8	3.8	5.7	6.6	6.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	0.9	0.0	0.9	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



REPORT NUMBER: P314592

CATALOG NUMBER: MPW-A6-D-U-SYM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5°	110.0	110.9	109.0	108.1	107.1	106.2	105.3	103.4	102.4	102.4	101.5
5°	129.0	128.0	126.1	123.3	122.3	121.4	120.4	119.5	119.5	119.5	119.5
7.5°	147.0	145.1	140.3	137.5	136.5	137.5	135.6	134.6	133.7	132.8	132.8
10°	157.4	155.5	152.7	149.8	147.9	147.9	147.0	145.1	143.2	142.2	142.2
12.5°	164.0	162.1	160.2	157.4	155.5	154.6	153.6	150.8	147.9	147.9	147.0
15°	173.5	171.6	168.8	165.9	164.0	162.1	161.2	157.4	154.6	153.6	153.6
17.5°	181.1	179.2	177.3	174.5	171.6	168.8	166.9	164.0	161.2	160.2	160.2
20°	188.7	186.8	184.0	182.1	178.3	175.4	173.5	170.7	167.8	166.9	165.9
22.5°	196.3	194.4	191.5	189.6	185.9	182.1	179.2	176.4	172.6	171.6	170.7
25°	202.0	200.1	198.2	195.3	191.5	187.7	184.0	180.2	178.3	176.4	175.4
27.5°	206.7	205.8	203.9	201.0	196.3	192.5	188.7	184.9	182.1	180.2	180.2
30°	210.5	209.6	207.7	204.8	201.0	197.2	193.4	189.6	185.9	184.0	183.0
32.5°	213.3	211.5	210.5	207.7	204.8	201.0	197.2	193.4	189.6	187.7	186.8
35°	216.2	215.2	213.3	211.5	207.7	204.8	201.0	198.2	194.4	193.4	192.5
37.5°	224.7	223.8	221.9	218.1	215.2	212.4	209.6	206.7	204.8	203.9	202.9
40°	249.4	245.6	241.8	238.0	232.3	228.5	225.7	224.7	223.8	223.8	224.7
42.5°	282.6	280.7	277.8	271.2	263.6	257.9	255.1	256.0	255.1	255.1	257.0
45°	335.7	331.9	328.1	322.4	309.1	299.6	296.8	294.9	296.8	295.8	297.7
47.5°	404.9	407.7	394.5	387.8	373.6	359.4	357.5	351.8	355.6	357.5	360.3
50°	500.7	503.5	491.2	477.9	461.8	438.1	434.3	427.6	430.5	439.0	438.1
52.5°	622.0	623.0	610.7	597.4	577.5	544.3	539.5	532.0	529.1	541.4	542.4
55°	748.1	752.9	733.9	724.4	704.5	658.1	642.9	630.6	631.5	644.8	641.9
57.5°	846.8	848.7	831.6	826.8	805.0	748.1	731.1	705.5	714.0	723.5	723.5
60°	921.7	923.6	902.7	905.6	888.5	815.5	800.3	771.9	778.5	785.1	795.6
62.5°	986.1	992.8	964.3	970.0	954.9	874.3	852.5	830.6	838.2	839.2	845.8
65°	1053.5	1054.4	1025.0	1032.6	1012.7	934.0	899.9	879.0	889.4	887.5	896.1
67.5°	1111.3	1113.2	1081.9	1099.0	1075.3	991.8	958.7	934.9	943.5	936.8	960.5
70°	1171.1	1176.7	1132.2	1148.3	1128.4	1039.3	1002.3	979.5	982.4	974.8	1005.1
72.5°	1208.0	1220.4	1184.3	1204.2	1175.8	1082.9	1048.7	1028.8	1022.2	1013.6	1034.5
75°	1250.7	1263.0	1214.7	1243.1	1218.5	1124.6	1088.6	1070.5	1056.3	1051.6	1067.7
77.5°	1274.4	1287.7	1252.6	1273.5	1241.2	1145.5	1104.7	1077.2	1073.4	1068.6	1086.7
78°	1276.3	1284.8	1246.0	1277.3	1242.2	1148.3	1108.5	1081.0	1078.1	1070.5	1088.6
80°	1269.7	1277.3	1241.2	1269.7	1236.5	1142.6	1104.7	1068.6	1070.5	1060.1	1081.9
82.5°	1265.9	1274.4	1238.4	1257.3	1233.6	1135.0	1103.7	1061.1	1061.1	1044.0	1064.9
85°	1225.1	1235.5	1206.1	1228.9	1204.2	1110.4	1083.8	1038.3	1038.3	1025.0	1050.6
87.5°	1203.3	1213.7	1177.7	1209.0	1178.6	1081.9	1061.1	1023.1	1020.3	1006.1	1030.7
90°	1176.7	1189.1	1152.1	1167.3	1143.6	1051.6	1028.8	986.1	982.4	967.2	989.9
92.5°	1113.2	1124.6	1089.5	1112.3	1090.5	1008.0	985.2	951.1	944.4	934.0	955.8
95°	1026.9	1040.2	1012.7	1036.4	1013.6	939.7	922.6	897.0	890.4	883.7	897.0
97.5°	915.0	920.7	900.8	922.6	902.7	838.2	824.0	798.4	787.0	785.1	789.9
100°	772.8	776.6	753.8	770.9	756.7	698.8	691.3	678.9	663.8	661.9	663.8
102.5°	573.7	557.6	539.5	532.9	531.0	487.4	492.1	498.8	492.1	499.7	515.8
105°	311.0	301.5	294.9	289.2	293.0	268.3	273.1	274.0	268.3	272.1	277.8
107.5°	183.0	180.2	177.3	174.5	168.8	160.2	158.4	151.7	151.7	151.7	153.6



REPORT NUMBER: P314592

CATALOG NUMBER: MPW-A6-D-U-SYM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	129.9	129.0	126.1	125.2	120.4	114.7	113.8	110.9	109.0	109.0	110.9
112.5°	99.6	98.6	96.7	95.8	93.9	87.2	86.3	85.3	85.3	85.3	86.3
115°	79.7	78.7	77.8	75.9	73.0	68.3	69.2	67.3	67.3	68.3	68.3
117.5°	64.5	63.5	63.5	61.6	58.8	55.9	55.9	55.0	55.0	55.0	55.9
120°	55.0	54.0	53.1	52.2	49.3	46.5	46.5	45.5	46.5	46.5	46.5
122.5°	49.3	48.4	47.4	46.5	43.6	40.8	40.8	39.8	40.8	40.8	40.8
125°	44.6	43.6	42.7	40.8	37.9	36.0	36.0	36.0	36.0	36.0	36.0
127.5°	38.9	37.9	36.0	34.1	32.2	30.3	30.3	30.3	31.3	31.3	31.3
130°	30.3	28.4	27.5	25.6	23.7	21.8	22.8	23.7	24.7	24.7	24.7
132.5°	20.9	19.9	18.0	16.1	14.2	14.2	14.2	16.1	17.1	17.1	17.1
135°	5.7	5.7	5.7	4.7	4.7	4.7	5.7	7.6	7.6	8.5	8.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.9	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	0.9	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)