

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: P314587

Luminaire Tested: **MPW-A7-D-U-SYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314587
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-A7-D-U-SYM-7030
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 3000K LIGHT ENGINE. SYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6725 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type I - Short - Non-Cutoff
BUG Rating: B3 - U5 - G5

Input Watts (W): 68.7
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



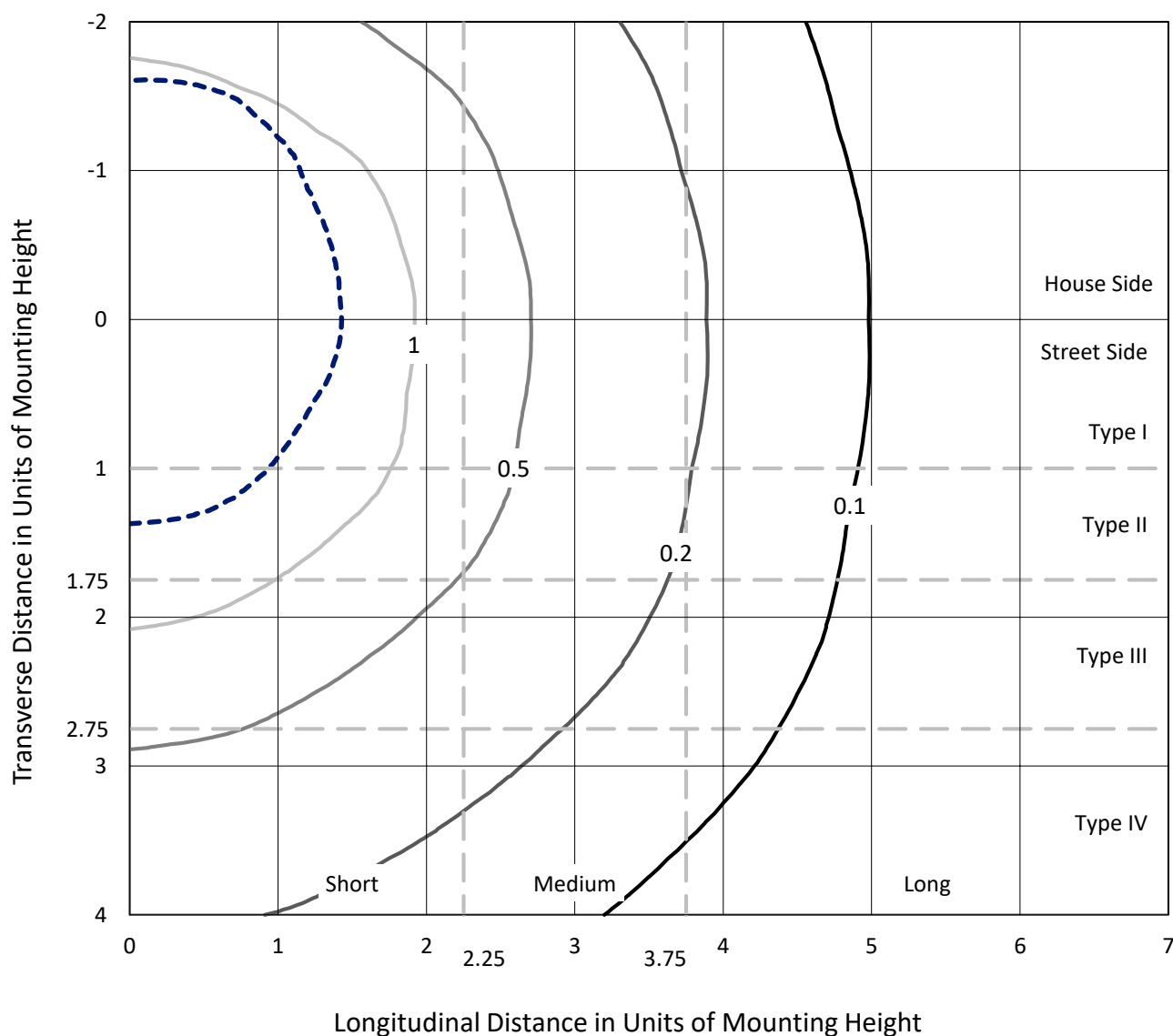
REPORT NUMBER: P314587

CATALOG NUMBER: MPW-A7-D-U-SYM-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

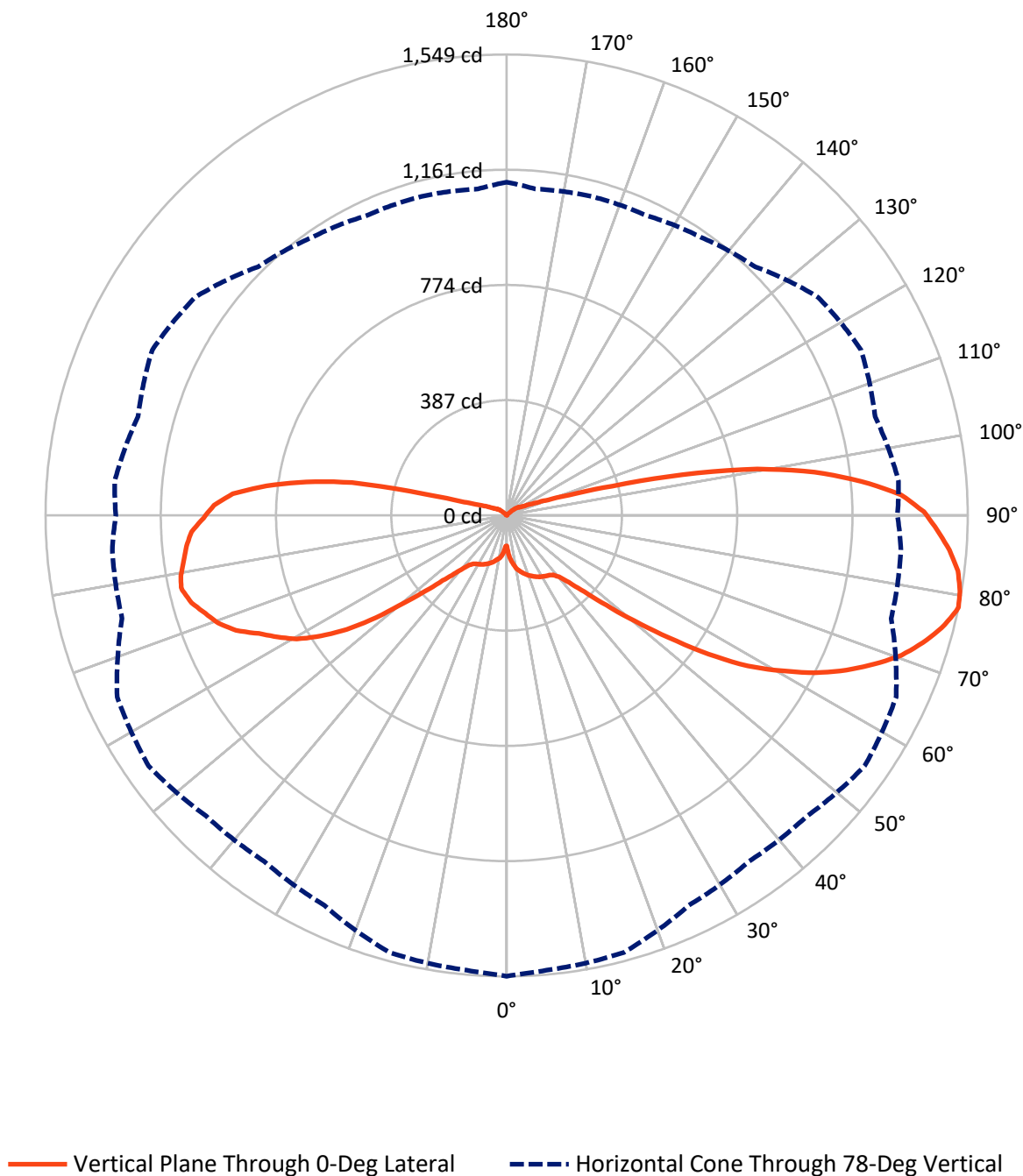


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type I - Short - Non-Cutoff

REPORT NUMBER: P314587

CATALOG NUMBER: MPW-A7-D-U-SYM-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P314587

CATALOG NUMBER: MPW-A7-D-U-SYM-7030

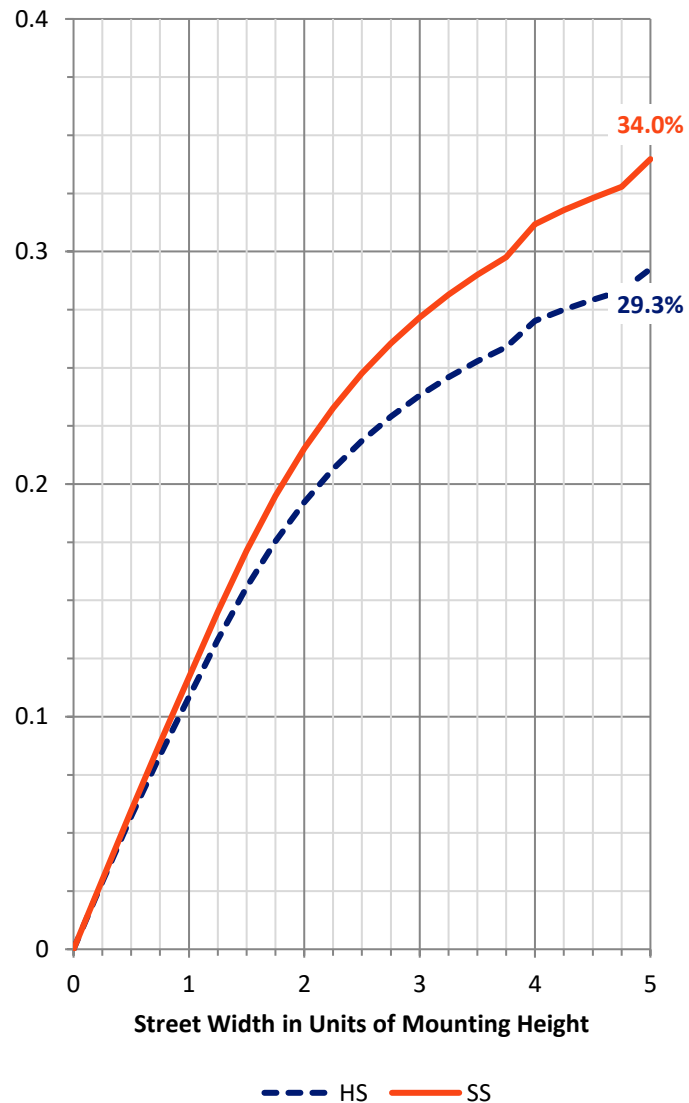
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2321.2	773.1	3094.3
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	2739.7	891.0	3630.7
	% Fixture	40.7	13.2	54.0
Total	Lumens	5060.9	1664.1	6725.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.2
10°-20°	51.0	0.8
20°-30°	95.4	1.4
30°-40°	143.0	2.1
40°-50°	280.3	4.2
50°-60°	670.7	10.0
60°-70°	1067.7	15.9
70°-80°	1353.5	20.1
80°-90°	1385.5	20.6
90°-100°	1128.5	16.8
100°-110°	407.5	6.1
110°-120°	83.2	1.2
120°-130°	37.4	0.6
130°-140°	7.5	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°	5060.9	75.3
0°-180°	6725.0	100.0

Coefficient of Utilization



REPORT NUMBER: P314587

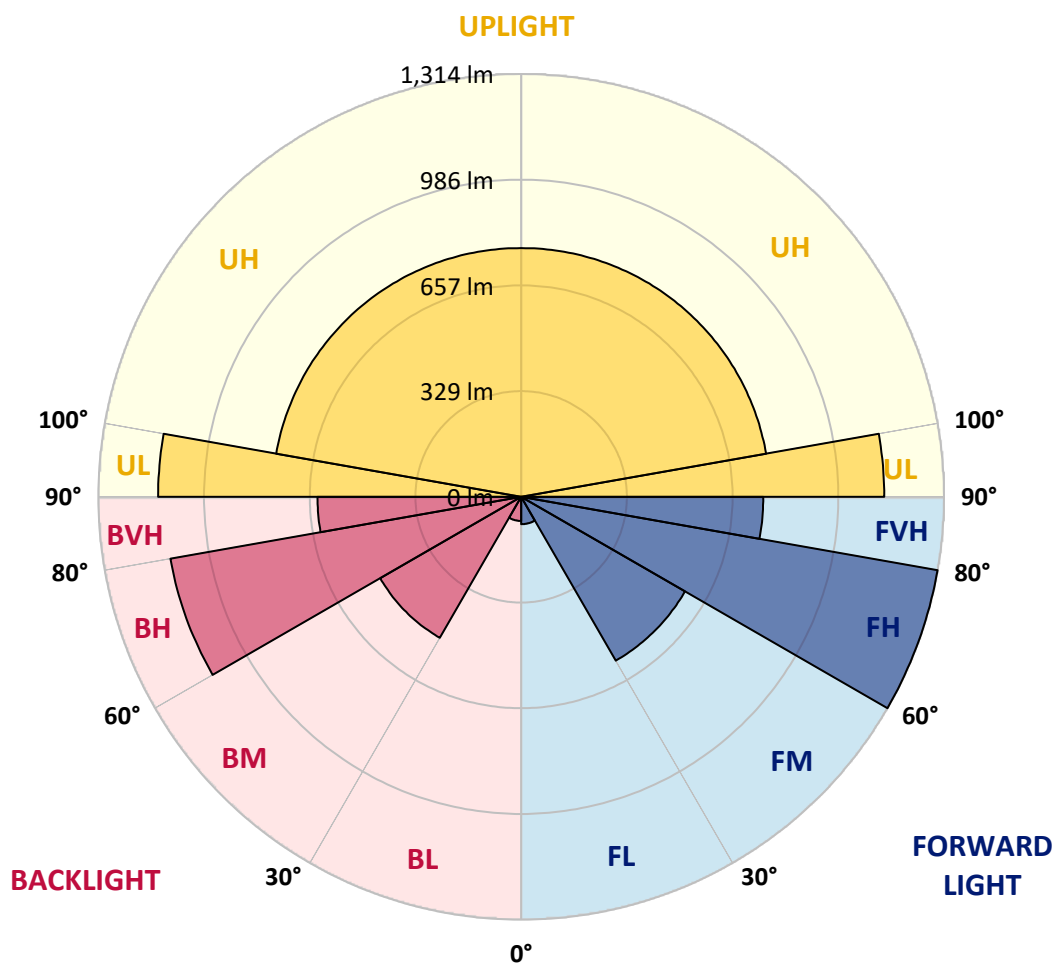
CATALOG NUMBER: MPW-A7-D-U-SYM-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.1	1.3			
FM	(30°-60°)	588.0	8.7			
FH	(60°-80°)	1314.2	19.5			G1/1800
FVH	(80°-90°)	752.3	11.2			G5
BL	(0°-30°)	75.0	1.1	B0/110		
BM	(30°-60°)	505.9	7.5	B1/1000		
BH	(60°-80°)	1107.0	16.5	B3/2500		G3/2500
BVH	(80°-90°)	633.2	9.4			G4/750
UL	(90°-100°)	1128.5	16.8		U5	
UH	(100°-180°)	773.1	11.5		U4/1000	

BUG Rating: B3-U5-G5

Type I Short





REPORT NUMBER: P314587

CATALOG NUMBER: MPW-A7-D-U-SYM-7030

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
2.5°	130.7	129.7	128.7	126.8	127.8	126.8	124.8	121.9	119.0	116.0	114.1
5°	151.2	150.2	150.2	150.2	150.2	150.2	149.2	146.3	142.4	138.5	133.6
7.5°	166.8	165.8	165.8	166.8	166.8	165.8	163.8	161.9	159.0	157.0	153.1
10°	181.4	180.4	180.4	180.4	179.4	177.5	175.5	172.6	168.7	166.8	163.8
12.5°	191.1	190.2	190.2	189.2	188.2	186.3	182.4	178.5	176.5	173.6	170.7
15°	199.9	198.9	198.9	197.0	196.0	194.1	190.2	187.2	184.3	182.4	180.4
17.5°	207.7	207.7	206.7	204.8	203.8	201.9	198.9	195.0	192.1	190.2	187.2
20°	215.5	214.5	214.5	212.6	210.6	208.7	205.8	202.8	200.9	198.0	195.0
22.5°	221.4	221.4	220.4	219.4	217.5	216.5	212.6	210.6	207.7	205.8	202.8
25°	228.2	228.2	228.2	226.2	224.3	223.3	219.4	217.5	215.5	212.6	208.7
27.5°	234.0	233.1	234.0	232.1	229.2	228.2	224.3	221.4	219.4	217.5	213.6
30°	237.9	237.9	237.0	236.0	233.1	231.1	228.2	225.3	223.3	220.4	217.5
32.5°	242.8	240.9	242.8	238.9	237.0	234.0	231.1	227.2	225.3	222.3	219.4
35°	246.7	245.7	245.7	244.8	240.9	238.9	235.0	232.1	229.2	226.2	223.3
37.5°	253.6	253.6	253.6	251.6	249.6	250.6	247.7	243.8	240.9	237.0	232.1
40°	271.1	271.1	271.1	271.1	270.1	273.1	272.1	271.1	270.1	264.3	256.5
42.5°	307.2	308.2	307.2	307.2	308.2	314.0	315.0	316.9	314.0	305.2	294.5
45°	365.7	367.6	365.7	368.6	370.6	378.4	377.4	379.4	375.4	367.6	350.1
47.5°	450.5	453.5	454.4	448.6	449.6	457.4	462.2	464.2	460.3	442.7	427.1
50°	556.8	559.8	559.8	554.9	550.0	559.8	566.6	570.5	572.4	543.2	525.6
52.5°	681.7	685.6	684.6	678.7	669.0	689.5	695.3	713.8	709.0	665.1	645.6
55°	823.1	827.0	826.0	814.3	798.7	807.5	825.0	846.5	840.6	787.0	773.3
57.5°	954.7	956.7	956.7	942.0	923.5	917.7	929.4	954.7	945.0	882.5	870.8
60°	1060.0	1062.0	1063.0	1040.5	1018.1	1005.4	1015.2	1043.5	1033.7	961.5	949.8
62.5°	1164.4	1156.6	1148.8	1130.2	1099.0	1084.4	1086.4	1123.4	1103.9	1024.9	1016.2
65°	1254.1	1251.2	1232.6	1213.1	1179.0	1162.4	1162.4	1201.4	1181.9	1098.1	1086.4
67.5°	1333.1	1333.1	1311.6	1293.1	1247.3	1227.8	1223.9	1270.7	1246.3	1160.5	1145.9
70°	1407.2	1405.3	1380.9	1368.2	1311.6	1283.4	1288.2	1336.0	1314.6	1223.9	1213.1
72.5°	1461.8	1461.8	1444.3	1432.6	1363.3	1337.0	1338.9	1389.6	1365.3	1269.7	1255.1
75°	1509.6	1505.7	1495.9	1485.2	1413.1	1382.8	1387.7	1437.4	1412.1	1315.5	1309.7
77.5°	1543.7	1540.8	1532.0	1520.3	1441.3	1414.0	1421.8	1466.7	1444.3	1334.1	1326.3
78°	1548.6	1543.7	1534.0	1520.3	1446.2	1418.9	1427.7	1467.7	1443.3	1337.0	1329.2
80°	1543.7	1539.8	1529.1	1514.5	1449.1	1417.0	1421.8	1456.9	1431.6	1332.1	1321.4
82.5°	1527.2	1524.2	1514.5	1496.9	1431.6	1404.3	1409.2	1442.3	1419.9	1316.5	1321.4
85°	1492.0	1485.2	1477.4	1459.9	1403.3	1372.1	1376.0	1408.2	1382.8	1281.4	1278.5
87.5°	1448.2	1443.3	1437.4	1419.9	1367.2	1339.9	1340.9	1373.1	1348.7	1254.1	1254.1
90°	1401.4	1395.5	1390.6	1374.0	1322.4	1296.0	1297.0	1333.1	1313.6	1226.8	1231.7
92.5°	1326.3	1321.4	1316.5	1298.0	1251.2	1225.8	1229.7	1264.8	1245.3	1160.5	1166.3
95°	1196.6	1192.7	1193.6	1180.0	1138.1	1114.6	1115.6	1150.7	1132.2	1058.1	1073.7
97.5°	1044.4	1042.5	1036.6	1031.8	994.7	980.1	976.2	1014.2	1005.4	941.1	957.6
100°	856.2	852.3	845.5	843.5	820.1	814.3	817.2	853.3	848.4	792.8	809.4
102.5°	606.6	605.6	611.4	600.7	591.0	592.9	604.6	634.9	630.0	582.2	592.9
105°	368.6	369.6	364.7	361.8	354.0	353.0	355.0	363.7	353.0	320.8	322.8
107.5°	219.4	220.4	221.4	214.5	208.7	206.7	205.8	208.7	202.8	190.2	190.2



REPORT NUMBER: P314587

CATALOG NUMBER: MPW-A7-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	149.2	149.2	150.2	146.3	141.4	141.4	140.4	143.4	141.4	134.6	134.6
112.5°	109.2	110.2	109.2	107.3	104.3	105.3	105.3	107.3	107.3	103.4	103.4
115°	84.8	84.8	84.8	82.9	80.9	80.9	81.9	83.9	84.8	82.9	82.9
117.5°	67.3	67.3	67.3	66.3	64.4	64.4	65.3	66.3	68.3	67.3	67.3
120°	56.6	56.6	56.6	55.6	54.6	54.6	55.6	56.6	57.5	56.6	56.6
122.5°	50.7	50.7	50.7	49.7	48.8	48.8	48.8	49.7	50.7	50.7	50.7
125°	45.8	45.8	45.8	45.8	43.9	42.9	43.9	44.9	45.8	46.8	46.8
127.5°	38.0	38.0	39.0	38.0	37.1	37.1	38.0	38.0	40.0	41.0	41.0
130°	28.3	28.3	29.3	29.3	28.3	27.3	28.3	29.3	31.2	32.2	31.2
132.5°	17.6	18.5	18.5	18.5	17.6	17.6	18.5	19.5	21.5	22.4	21.5
135°	2.0	2.0	2.9	2.0	2.9	2.9	2.9	3.9	5.9	6.8	6.8
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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	1.0	0.0	1.0	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



REPORT NUMBER: P314587

CATALOG NUMBER: MPW-A7-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
2.5°	113.1	114.1	112.1	111.2	110.2	109.2	108.2	106.3	105.3	105.3	104.3
5°	132.6	131.7	129.7	126.8	125.8	124.8	123.8	122.9	122.9	122.9	122.9
7.5°	151.2	149.2	144.3	141.4	140.4	141.4	139.5	138.5	137.5	136.5	136.5
10°	161.9	159.9	157.0	154.1	152.1	152.1	151.2	149.2	147.3	146.3	146.3
12.5°	168.7	166.8	164.8	161.9	159.9	159.0	158.0	155.1	152.1	152.1	151.2
15°	178.5	176.5	173.6	170.7	168.7	166.8	165.8	161.9	159.0	158.0	158.0
17.5°	186.3	184.3	182.4	179.4	176.5	173.6	171.6	168.7	165.8	164.8	164.8
20°	194.1	192.1	189.2	187.2	183.3	180.4	178.5	175.5	172.6	171.6	170.7
22.5°	201.9	199.9	197.0	195.0	191.1	187.2	184.3	181.4	177.5	176.5	175.5
25°	207.7	205.8	203.8	200.9	197.0	193.1	189.2	185.3	183.3	181.4	180.4
27.5°	212.6	211.6	209.7	206.7	201.9	198.0	194.1	190.2	187.2	185.3	185.3
30°	216.5	215.5	213.6	210.6	206.7	202.8	198.9	195.0	191.1	189.2	188.2
32.5°	219.4	217.5	216.5	213.6	210.6	206.7	202.8	198.9	195.0	193.1	192.1
35°	222.3	221.4	219.4	217.5	213.6	210.6	206.7	203.8	199.9	198.9	198.0
37.5°	231.1	230.1	228.2	224.3	221.4	218.4	215.5	212.6	210.6	209.7	208.7
40°	256.5	252.6	248.7	244.8	238.9	235.0	232.1	231.1	230.1	230.1	231.1
42.5°	290.6	288.7	285.7	278.9	271.1	265.3	262.3	263.3	262.3	262.3	264.3
45°	345.2	341.3	337.4	331.6	317.9	308.2	305.2	303.3	305.2	304.3	306.2
47.5°	416.4	419.3	405.7	398.9	384.2	369.6	367.6	361.8	365.7	367.6	370.6
50°	514.9	517.8	505.1	491.5	474.9	450.5	446.6	439.8	442.7	451.5	450.5
52.5°	639.7	640.7	628.0	614.4	593.9	559.8	554.9	547.1	544.2	556.8	557.8
55°	769.4	774.3	754.8	745.0	724.6	676.8	661.2	648.5	649.5	663.1	660.2
57.5°	870.8	872.8	855.2	850.4	827.9	769.4	751.9	725.5	734.3	744.1	744.1
60°	947.9	949.8	928.4	931.3	913.8	838.7	823.1	793.8	800.6	807.5	818.2
62.5°	1014.2	1021.0	991.8	997.6	982.0	899.1	876.7	854.3	862.1	863.0	869.9
65°	1083.4	1084.4	1054.2	1062.0	1041.5	960.6	925.5	904.0	914.7	912.8	921.6
67.5°	1142.9	1144.9	1112.7	1130.2	1105.9	1020.1	985.9	961.5	970.3	963.5	987.9
70°	1204.4	1210.2	1164.4	1181.0	1160.5	1068.8	1030.8	1007.4	1010.3	1002.5	1033.7
72.5°	1242.4	1255.1	1218.0	1238.5	1209.2	1113.7	1078.6	1058.1	1051.3	1042.5	1063.9
75°	1286.3	1299.0	1249.2	1278.5	1253.1	1156.6	1119.5	1101.0	1086.4	1081.5	1098.1
77.5°	1310.7	1324.3	1288.2	1309.7	1276.5	1178.0	1136.1	1107.8	1103.9	1099.0	1117.6
78°	1312.6	1321.4	1281.4	1313.6	1277.5	1181.0	1140.0	1111.7	1108.8	1101.0	1119.5
80°	1305.8	1313.6	1276.5	1305.8	1271.7	1175.1	1136.1	1099.0	1101.0	1090.3	1112.7
82.5°	1301.9	1310.7	1273.6	1293.1	1268.7	1167.3	1135.1	1091.2	1091.2	1073.7	1095.1
85°	1259.9	1270.7	1240.4	1263.8	1238.5	1142.0	1114.6	1067.8	1067.8	1054.2	1080.5
87.5°	1237.5	1248.2	1211.2	1243.4	1212.2	1112.7	1091.2	1052.2	1049.3	1034.7	1060.0
90°	1210.2	1222.9	1184.9	1200.5	1176.1	1081.5	1058.1	1014.2	1010.3	994.7	1018.1
92.5°	1144.9	1156.6	1120.5	1143.9	1121.5	1036.6	1013.2	978.1	971.3	960.6	983.0
95°	1056.1	1069.8	1041.5	1065.9	1042.5	966.4	948.9	922.5	915.7	908.9	922.5
97.5°	941.1	946.9	926.4	948.9	928.4	862.1	847.4	821.1	809.4	807.5	812.3
100°	794.8	798.7	775.3	792.8	778.2	718.7	710.9	698.2	682.6	680.7	682.6
102.5°	590.0	573.4	554.9	548.1	546.1	501.2	506.1	513.0	506.1	513.9	530.5
105°	319.9	310.1	303.3	297.4	301.3	276.0	280.9	281.8	276.0	279.9	285.7
107.5°	188.2	185.3	182.4	179.4	173.6	164.8	162.9	156.0	156.0	156.0	158.0



REPORT NUMBER: P314587

CATALOG NUMBER: MPW-A7-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	133.6	132.6	129.7	128.7	123.8	118.0	117.0	114.1	112.1	112.1	114.1
112.5°	102.4	101.4	99.5	98.5	96.5	89.7	88.7	87.8	87.8	87.8	88.7
115°	81.9	80.9	80.0	78.0	75.1	70.2	71.2	69.2	69.2	70.2	70.2
117.5°	66.3	65.3	65.3	63.4	60.5	57.5	57.5	56.6	56.6	56.6	57.5
120°	56.6	55.6	54.6	53.6	50.7	47.8	47.8	46.8	47.8	47.8	47.8
122.5°	50.7	49.7	48.8	47.8	44.9	41.9	41.9	41.0	41.9	41.9	41.9
125°	45.8	44.9	43.9	41.9	39.0	37.1	37.1	37.1	37.1	37.1	37.1
127.5°	40.0	39.0	37.1	35.1	33.2	31.2	31.2	31.2	32.2	32.2	32.2
130°	31.2	29.3	28.3	26.3	24.4	22.4	23.4	24.4	25.4	25.4	25.4
132.5°	21.5	20.5	18.5	16.6	14.6	14.6	14.6	16.6	17.6	17.6	17.6
135°	5.9	5.9	5.9	4.9	4.9	4.9	5.9	7.8	7.8	8.8	8.8
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	1.0	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	1.0	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)