

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: P314603

Luminaire Tested: **MPW-A5-D-U-ASYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1906-378-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPW-A5-D-U-ASYM-7030
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 3000K LIGHT ENGINE. ASYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5065 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U4 - G4

Input Watts (W): 51.2
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

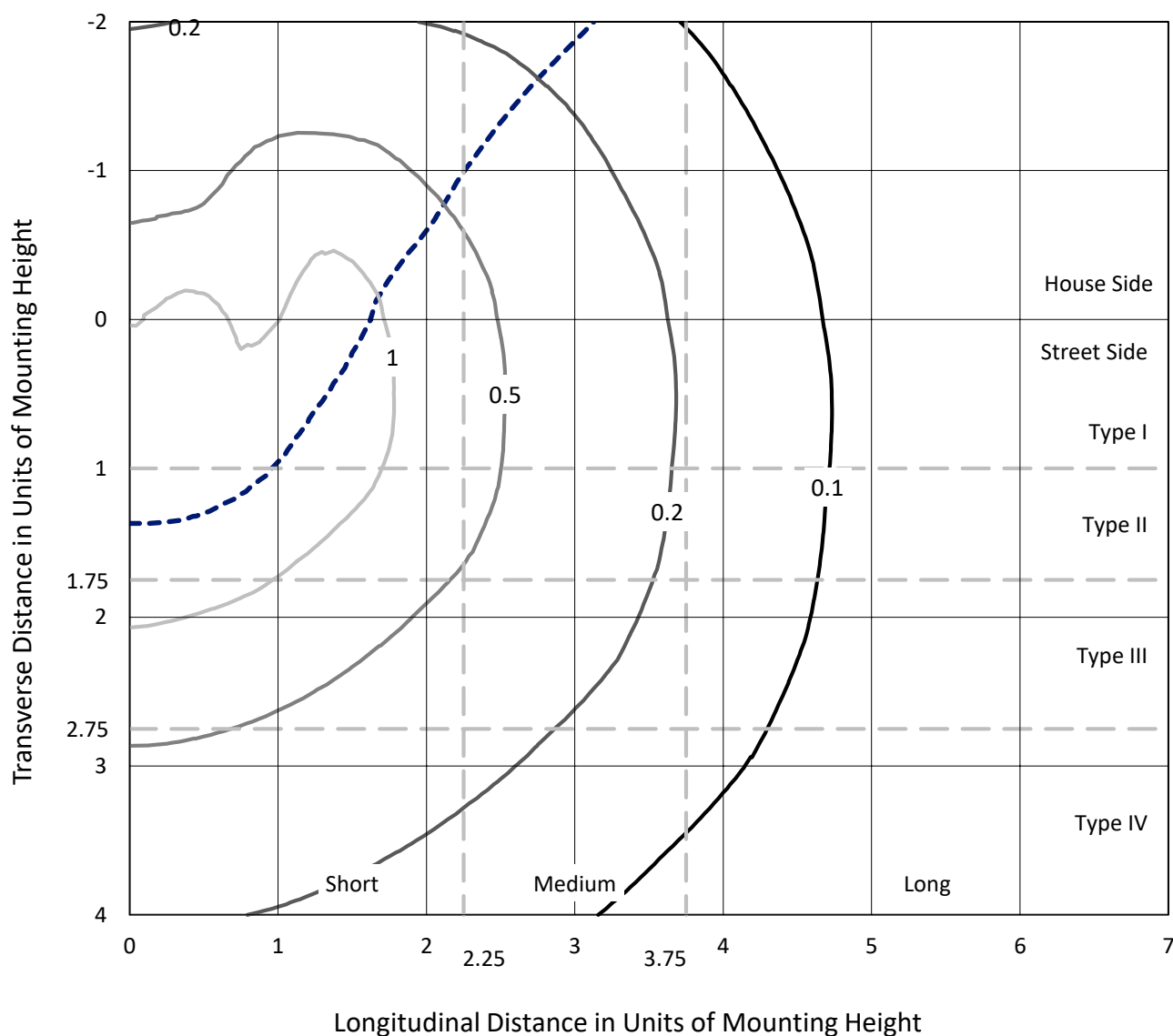


REPORT NUMBER: P314603

CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

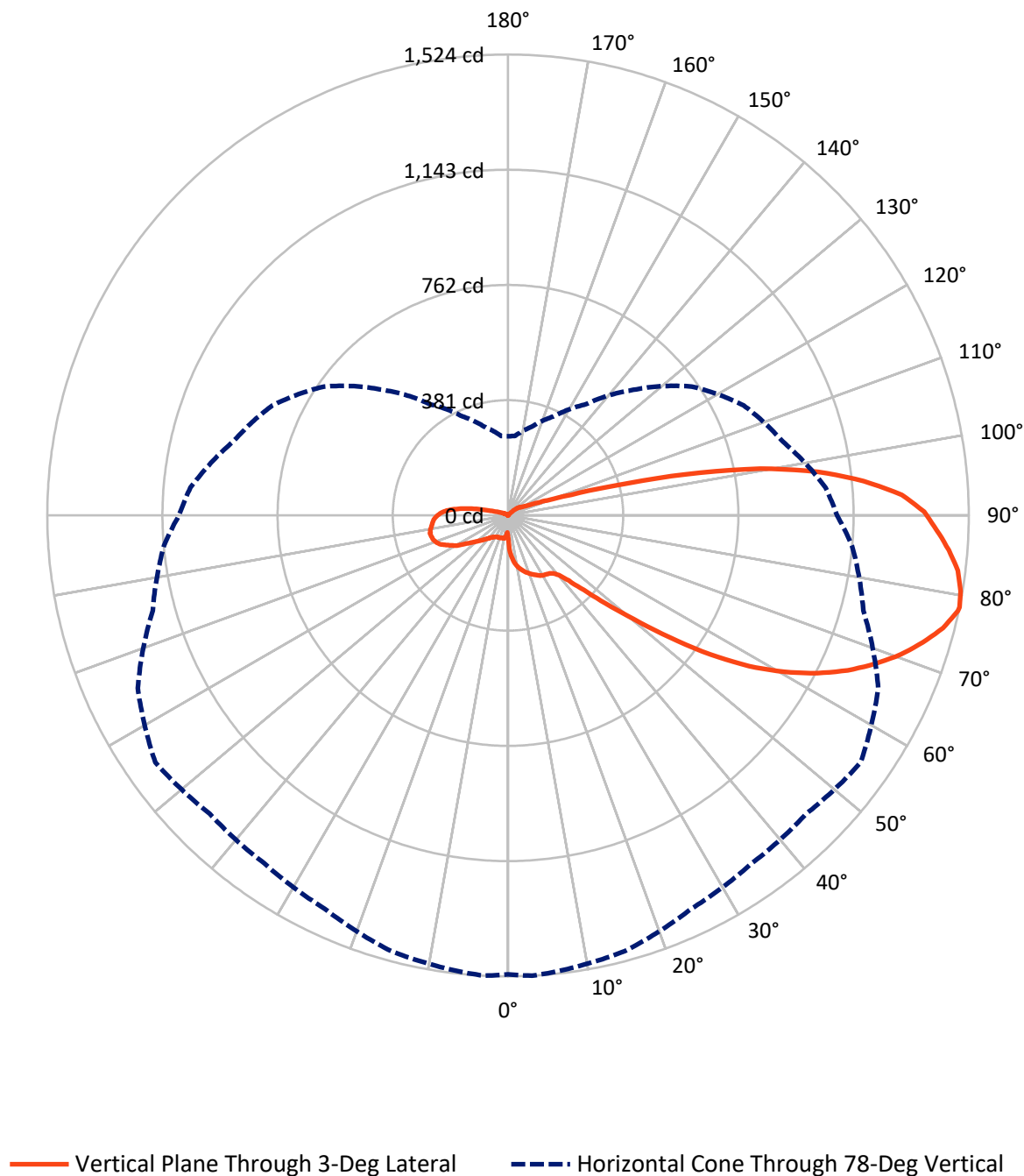


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P314603

CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P314603

CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

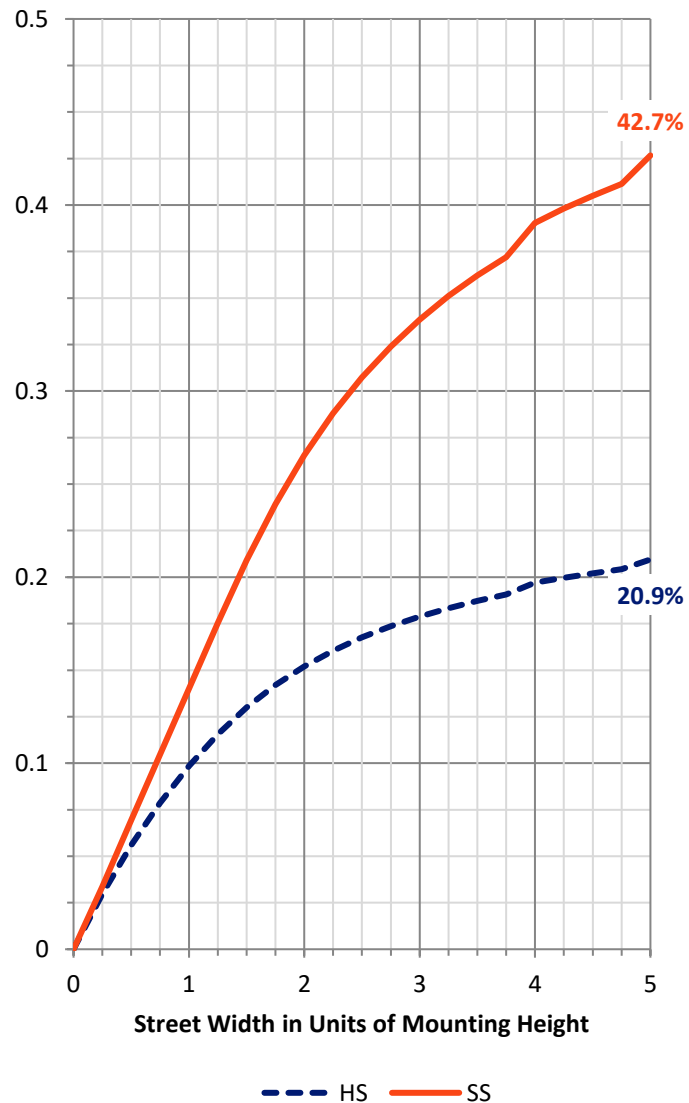
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1209.9	390.1	1600.0
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	2606.1	858.9	3465.0
	% Fixture	51.5	17.0	68.4
Total	Lumens	3816.0	1249.0	5065.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	38.5	0.8
20°-30°	72.2	1.4
30°-40°	107.5	2.1
40°-50°	210.2	4.2
50°-60°	502.5	9.9
60°-70°	805.5	15.9
70°-80°	1021.8	20.2
80°-90°	1047.4	20.7
90°-100°	847.0	16.7
100°-110°	307.0	6.1
110°-120°	62.2	1.2
120°-130°	27.5	0.5
130°-140°	5.1	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°	3816.0	75.3
0°-180°	5065.0	100.0

Coefficient of Utilization



REPORT NUMBER: P314603

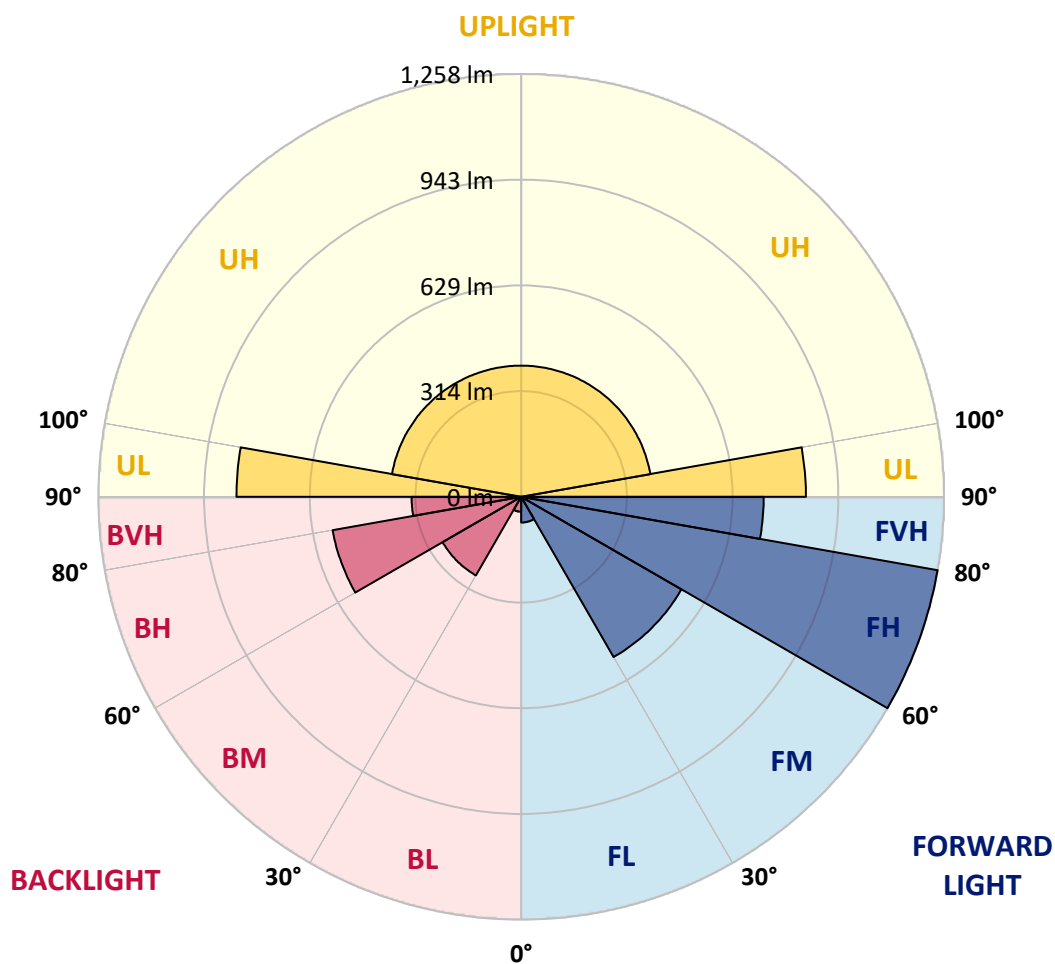
CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.7	1.5			
FM	(30°-60°)	550.4	10.9			
FH	(60°-80°)	1257.8	24.8			G1/1800
FVH	(80°-90°)	721.3	14.2			G4/750
BL	(0°-30°)	44.5	0.9	B0/110		
BM	(30°-60°)	269.8	5.3	B1/1000		
BH	(60°-80°)	569.5	11.2	B2/1000		G2/1000
BVH	(80°-90°)	326.1	6.4			G3/500
UL	(90°-100°)	847.0	16.7		U4/1000	
UH	(100°-180°)	390.1	7.7		U3/500	

BUG Rating: B2-U4-G4

Type IV Short





REPORT NUMBER: P314603

CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	121.4	119.1	119.1	117.6	116.0	111.4	109.1	104.5	99.1	93.0	87.6
5°	142.9	141.4	141.4	140.6	139.9	136.0	132.2	126.0	118.3	110.7	101.4
7.5°	159.1	159.1	158.3	157.5	155.2	150.6	146.0	139.9	132.2	125.3	117.6
10°	172.1	172.1	172.1	169.8	166.8	162.9	156.8	149.9	141.4	133.7	125.3
12.5°	181.4	181.4	181.4	178.3	175.2	171.4	164.5	157.5	149.1	141.4	132.9
15°	191.3	190.6	191.3	186.0	182.9	179.1	172.1	166.0	157.5	150.6	142.2
17.5°	198.3	198.3	197.5	195.2	191.3	186.7	179.8	173.7	166.0	158.3	149.9
20°	205.2	205.2	204.4	202.1	199.0	194.4	188.3	180.6	173.7	166.0	156.8
22.5°	211.3	212.1	211.3	209.0	206.0	202.1	196.7	189.0	181.4	172.9	163.7
25°	218.2	218.2	219.0	216.7	212.9	209.0	203.6	196.7	189.0	179.8	169.1
27.5°	225.2	225.2	225.2	222.9	218.2	214.4	208.3	202.1	193.7	183.7	172.9
30°	229.0	229.8	229.0	227.5	222.9	218.2	212.1	205.2	196.7	186.0	175.2
32.5°	232.1	232.1	232.1	229.8	225.2	220.6	214.4	206.0	197.5	187.5	176.0
35°	235.9	235.9	235.2	232.8	229.0	224.4	217.5	209.8	200.6	190.6	178.3
37.5°	242.8	242.8	242.1	239.8	235.9	232.8	226.7	219.0	210.6	200.6	186.0
40°	260.5	259.7	259.0	258.2	255.1	255.1	250.5	243.6	233.6	224.4	206.0
42.5°	296.6	294.3	294.3	294.3	292.8	295.1	293.6	286.6	276.6	264.4	242.1
45°	356.6	352.0	352.0	350.4	353.5	354.3	354.3	347.3	335.1	319.7	292.8
47.5°	441.9	434.2	435.7	430.3	428.0	435.7	437.3	425.7	418.8	393.5	356.6
50°	548.7	538.7	543.3	534.9	525.6	535.6	540.2	533.3	523.3	490.3	448.0
52.5°	671.6	669.3	662.4	651.7	652.4	657.8	661.7	674.7	654.7	612.5	561.0
55°	813.8	811.5	809.2	786.1	786.9	786.9	793.8	806.9	790.0	727.7	677.0
57.5°	947.5	940.6	942.1	914.5	907.6	890.7	900.6	916.8	886.8	815.3	759.2
60°	1055.1	1049.7	1045.9	1022.1	1010.5	987.5	984.4	1004.4	970.6	885.3	822.3
62.5°	1150.4	1148.9	1143.5	1109.7	1100.5	1067.4	1061.3	1080.5	1037.4	942.1	878.4
65°	1241.1	1234.9	1218.8	1191.1	1178.8	1139.6	1138.9	1160.4	1113.5	1008.2	936.0
67.5°	1313.3	1309.5	1307.9	1264.9	1241.1	1205.7	1199.6	1228.8	1174.2	1053.6	982.1
70°	1377.9	1377.9	1373.3	1338.7	1302.6	1271.1	1262.6	1297.2	1234.9	1116.6	1042.0
72.5°	1437.0	1434.7	1432.4	1401.7	1355.6	1321.0	1310.2	1350.2	1279.5	1151.9	1079.7
75°	1480.1	1486.2	1480.8	1453.2	1402.5	1366.3	1357.1	1394.8	1321.8	1195.0	1120.4
77.5°	1512.4	1520.8	1515.4	1487.8	1430.9	1397.8	1389.4	1421.7	1347.9	1214.2	1142.7
78°	1517.7	1523.9	1519.3	1491.6	1434.7	1404.8	1394.8	1424.0	1351.0	1216.5	1141.9
80°	1514.7	1517.7	1516.2	1493.1	1432.4	1404.0	1388.6	1417.1	1344.8	1208.0	1132.7
82.5°	1497.0	1499.3	1499.3	1479.3	1408.6	1389.4	1376.3	1407.8	1334.1	1201.9	1141.9
85°	1457.8	1462.4	1463.9	1449.3	1379.4	1360.2	1344.8	1374.8	1295.6	1168.8	1102.8
87.5°	1420.1	1419.4	1419.4	1407.8	1341.8	1327.1	1313.3	1341.0	1268.0	1144.3	1085.8
90°	1375.6	1376.3	1378.6	1365.6	1299.5	1286.4	1271.8	1304.9	1233.4	1123.5	1069.7
92.5°	1301.8	1304.1	1303.3	1292.6	1231.9	1221.1	1208.0	1237.2	1171.1	1062.8	1012.8
95°	1177.3	1181.9	1180.4	1172.7	1125.8	1108.1	1095.8	1128.9	1068.2	971.3	930.6
97.5°	1029.0	1035.1	1034.4	1025.9	987.5	980.6	966.0	999.0	948.3	866.1	831.5
100°	837.6	848.4	843.8	838.4	818.4	815.3	810.7	844.5	806.1	740.8	710.1
102.5°	591.7	602.5	597.9	597.1	588.6	600.2	599.4	632.5	606.3	556.4	531.0
105°	361.9	367.3	363.5	358.9	351.2	358.9	350.4	357.3	338.9	303.5	286.6
107.5°	215.9	219.8	217.5	212.9	207.5	208.3	202.9	203.6	192.9	175.2	166.0



REPORT NUMBER: P314603

CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	145.2	146.8	146.0	141.4	138.3	139.1	136.8	136.8	132.9	123.7	117.6
112.5°	106.8	107.6	108.4	103.7	102.2	102.2	102.2	102.2	99.9	94.5	89.9
115°	82.2	83.0	83.0	79.9	78.4	79.2	79.2	79.9	79.2	75.3	72.2
117.5°	66.1	66.1	66.1	63.8	62.2	63.0	63.0	63.8	63.8	61.5	59.2
120°	55.3	56.1	56.1	54.6	53.0	53.0	53.0	53.0	53.8	52.3	50.0
122.5°	50.0	50.0	50.0	48.4	46.9	46.1	46.9	46.9	46.9	46.1	44.6
125°	45.3	45.3	45.3	43.8	42.3	41.5	42.3	42.3	43.0	42.3	40.7
127.5°	38.4	39.2	39.2	37.7	35.3	35.3	36.1	36.9	37.7	37.7	36.1
130°	28.4	29.2	29.2	28.4	26.1	26.1	27.7	28.4	30.0	30.0	28.4
132.5°	19.2	18.4	18.4	17.7	16.1	16.9	17.7	19.2	20.7	20.7	20.0
135°	3.1	2.3	2.3	2.3	2.3	2.3	3.8	3.8	5.4	6.1	6.1
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	0.8	0.8	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.8	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0
170°	0.8	0.8	0.8	0.0	0.8	0.8	0.0	0.8	0.8	0.0	0.0
172.5°	0.0	0.8	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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: P314603

CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	85.3	83.0	77.6	73.8	68.4	65.3	61.5	58.4	56.9	56.1	56.1
5°	98.4	94.5	87.6	83.0	76.8	73.0	69.9	67.6	66.1	66.1	66.1
7.5°	113.7	108.4	99.9	92.2	86.8	83.0	79.9	76.8	74.5	73.8	73.0
10°	121.4	117.6	109.9	103.0	95.3	89.9	84.5	80.7	77.6	76.8	76.1
12.5°	128.3	123.7	115.3	108.4	99.9	93.0	86.8	81.5	77.6	76.1	75.3
15°	137.6	132.2	123.0	113.7	105.3	96.8	89.9	83.0	78.4	76.8	76.1
17.5°	145.2	139.9	129.9	120.6	110.7	101.4	93.0	85.3	79.9	78.4	77.6
20°	152.2	146.0	135.3	126.0	114.5	104.5	94.5	86.8	80.7	78.4	78.4
22.5°	158.3	152.2	141.4	130.6	118.3	106.8	96.8	87.6	81.5	79.2	78.4
25°	163.7	157.5	146.0	134.5	121.4	109.1	98.4	89.1	82.2	79.2	78.4
27.5°	167.5	161.4	149.9	137.6	124.5	111.4	100.7	90.7	83.8	79.9	79.9
30°	169.8	164.5	152.2	139.9	126.8	113.7	102.2	92.2	85.3	81.5	81.5
32.5°	170.6	165.2	153.7	141.4	129.1	116.0	104.5	94.5	87.6	83.8	83.8
35°	172.1	166.8	156.0	143.7	131.4	119.1	107.6	97.6	90.7	87.6	86.8
37.5°	179.1	173.7	161.4	148.3	135.3	123.0	111.4	101.4	94.5	91.4	91.4
40°	199.0	191.3	175.2	160.6	144.5	130.6	117.6	106.8	99.9	97.6	96.8
42.5°	231.3	223.6	203.6	182.9	162.9	145.2	127.6	114.5	106.8	103.7	103.7
45°	280.5	270.5	243.6	219.8	191.3	167.5	142.2	125.3	116.0	112.2	111.4
47.5°	344.3	332.0	299.7	263.6	229.0	198.3	162.9	139.1	126.8	121.4	120.6
50°	429.6	417.3	373.5	323.5	281.3	234.4	188.3	156.8	139.1	131.4	129.9
52.5°	537.9	524.9	467.2	402.7	348.1	283.6	218.2	176.0	153.7	143.7	142.2
55°	650.1	635.5	564.8	484.1	425.7	338.9	252.8	202.9	172.9	158.3	155.2
57.5°	729.3	713.1	634.8	544.8	488.7	381.9	287.4	229.0	195.2	175.2	173.7
60°	786.9	770.0	686.2	596.3	531.8	414.2	318.1	250.5	215.9	196.7	196.0
62.5°	838.4	824.6	732.4	642.4	565.6	441.1	345.8	276.6	235.9	213.6	207.5
65°	893.7	871.4	773.1	683.2	603.2	471.8	362.7	300.5	253.6	229.0	223.6
67.5°	940.6	916.8	823.8	732.4	639.4	496.4	385.0	322.0	275.1	244.4	242.8
70°	999.0	972.1	860.7	770.0	673.2	527.9	407.3	335.1	287.4	257.4	248.2
72.5°	1032.8	1004.4	897.6	808.4	697.8	554.1	422.7	341.2	295.9	263.6	254.4
75°	1071.2	1040.5	916.8	836.9	722.4	574.0	436.5	350.4	302.0	265.9	257.4
77.5°	1088.2	1055.9	946.8	856.8	743.9	586.3	446.5	358.9	302.8	265.9	263.6
78°	1088.2	1054.3	941.4	859.9	742.3	587.1	448.0	361.9	303.5	263.6	261.3
80°	1081.2	1047.4	932.9	858.4	737.0	585.6	449.6	367.3	300.5	260.5	262.0
82.5°	1082.8	1053.6	929.8	853.8	734.7	584.8	445.7	361.9	295.1	254.4	256.7
85°	1042.8	1015.2	904.5	831.5	713.9	577.1	440.3	355.0	292.0	249.8	252.1
87.5°	1031.3	1002.9	884.5	816.9	695.5	561.8	431.9	349.7	285.1	244.4	247.4
90°	1009.8	982.1	860.7	792.3	675.5	541.8	411.9	333.5	274.3	234.4	235.9
92.5°	954.4	929.1	813.8	749.3	639.4	517.2	391.9	316.6	259.0	222.9	222.9
95°	883.7	861.5	753.1	696.2	592.5	475.7	360.4	291.3	236.7	204.4	202.9
97.5°	786.1	765.4	670.9	617.9	528.7	421.9	315.1	252.8	204.4	172.9	172.9
100°	660.1	651.7	564.8	517.9	439.6	345.0	259.0	202.9	165.2	138.3	136.0
102.5°	493.4	475.7	405.0	366.6	310.5	239.8	177.5	140.6	118.3	99.9	96.1
105°	257.4	261.3	217.5	199.8	171.4	138.3	107.6	87.6	74.5	65.3	62.2
107.5°	153.7	149.9	131.4	119.9	104.5	85.3	68.4	56.9	49.2	43.8	42.3



REPORT NUMBER: P314603

CATALOG NUMBER: MPW-A5-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	109.9	108.4	94.5	85.3	74.5	60.7	48.4	40.7	35.3	31.5	30.7
112.5°	84.5	83.0	73.0	65.3	56.1	45.3	36.1	30.0	26.1	23.1	23.1
115°	68.4	66.9	59.2	51.5	43.8	35.3	28.4	23.1	20.0	17.7	17.7
117.5°	56.1	54.6	47.6	42.3	35.3	28.4	22.3	18.4	15.4	13.8	13.8
120°	47.6	46.1	40.7	35.3	29.2	23.8	18.4	14.6	13.1	11.5	11.5
122.5°	43.0	40.7	36.1	30.7	25.4	20.0	15.4	12.3	10.8	9.2	9.2
125°	39.2	37.7	33.0	27.7	21.5	17.7	13.1	10.0	8.5	7.7	6.9
127.5°	34.6	33.0	28.4	23.1	17.7	13.8	10.0	7.7	5.4	4.6	4.6
130°	27.7	25.4	21.5	16.9	12.3	9.2	6.9	4.6	3.1	3.1	2.3
132.5°	19.2	17.7	14.6	10.8	6.9	4.6	3.1	2.3	0.8	0.8	0.8
135°	6.1	5.4	3.1	3.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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

(END OF REPORT)