

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: P314604

Luminaire Tested: **MPW-A6-D-U-ASYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314604
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-A6-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: 6111 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U5 - G5

Input Watts (W): 64.8
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



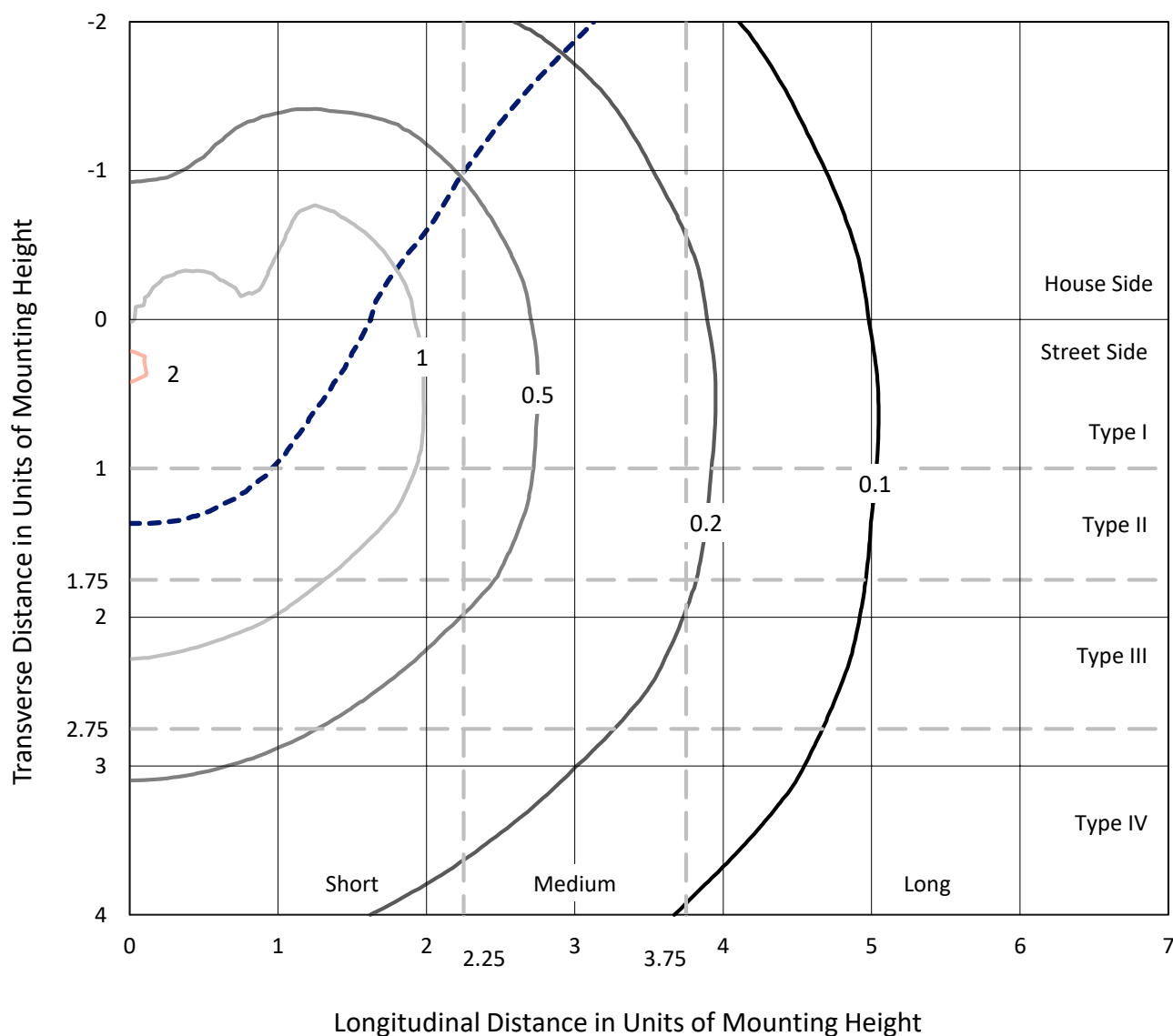
REPORT NUMBER: P314604

CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

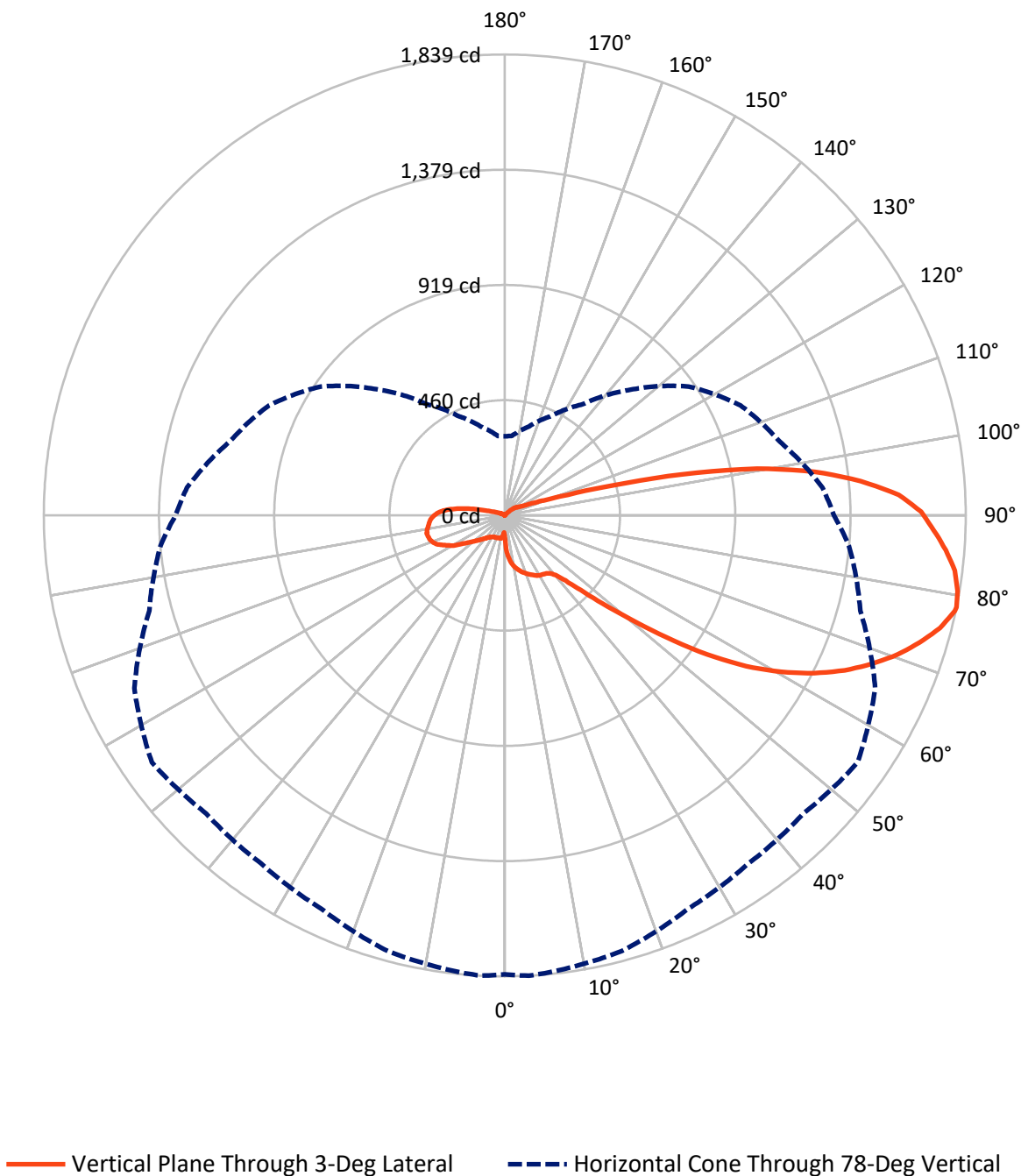


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P314604

CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P314604

CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

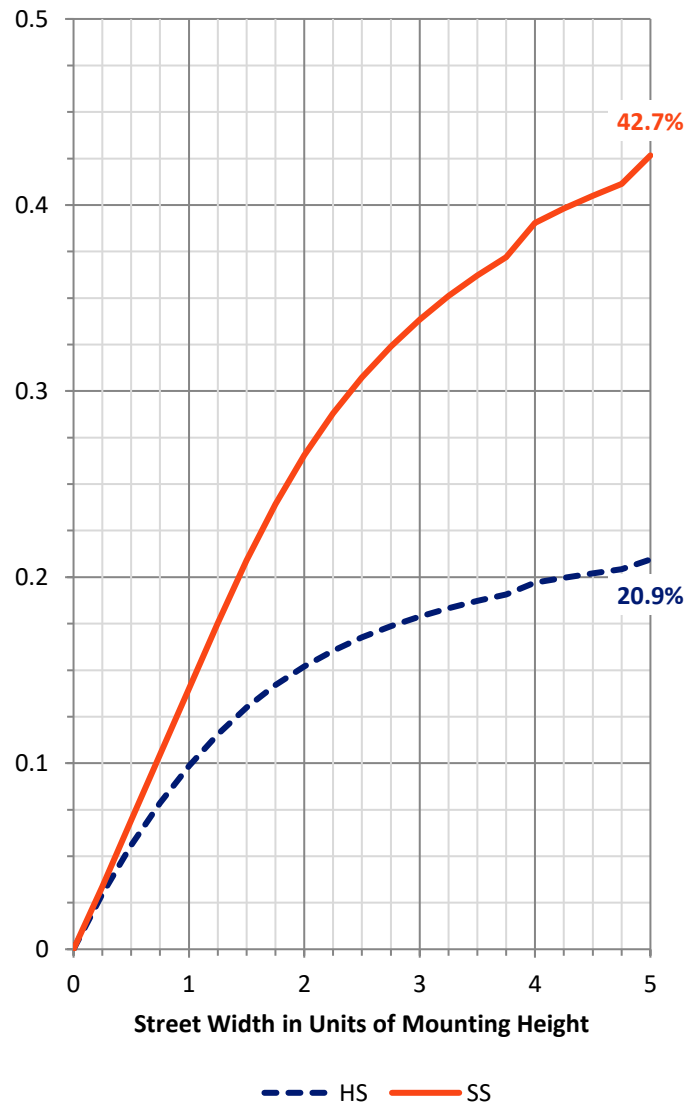
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1459.8	470.7	1930.4
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	3144.3	1036.2	4180.6
	% Fixture	51.5	17.0	68.4
Total	Lumens	4604.1	1506.9	6111.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.2
10°-20°	46.5	0.8
20°-30°	87.2	1.4
30°-40°	129.7	2.1
40°-50°	253.7	4.2
50°-60°	606.3	9.9
60°-70°	971.8	15.9
70°-80°	1232.8	20.2
80°-90°	1263.6	20.7
90°-100°	1022.0	16.7
100°-110°	370.4	6.1
110°-120°	75.1	1.2
120°-130°	33.2	0.5
130°-140°	6.2	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°	4604.1	75.3
0°-180°	6111.0	100.0

Coefficient of Utilization



REPORT NUMBER: P314604

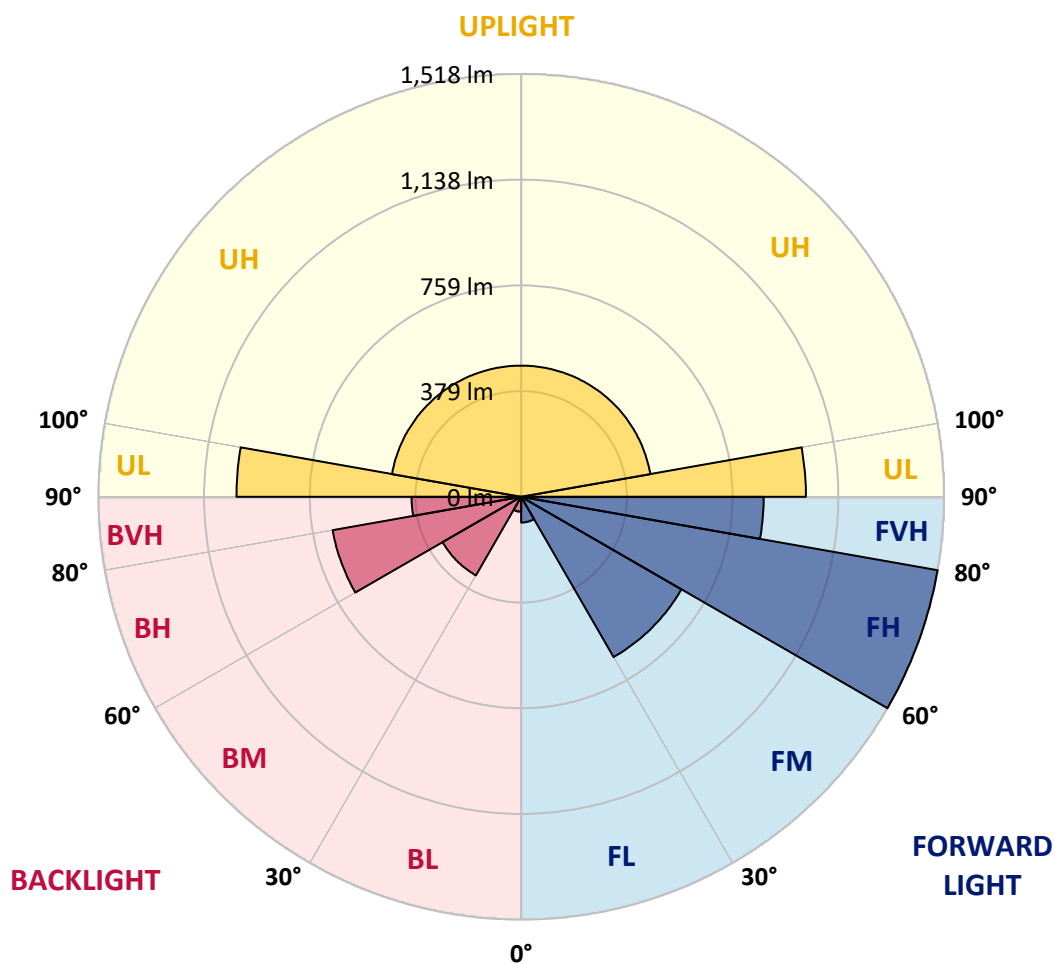
CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.5	1.5			
FM	(30°-60°)	664.0	10.9			
FH	(60°-80°)	1517.6	24.8			G1/1800
FVH	(80°-90°)	870.2	14.2			G5
BL	(0°-30°)	53.7	0.9	B0/110		
BM	(30°-60°)	325.6	5.3	B1/1000		
BH	(60°-80°)	687.1	11.2	B2/1000		G2/1000
BVH	(80°-90°)	393.4	6.4			G3/500
UL	(90°-100°)	1022.0	16.7		U5	
UH	(100°-180°)	470.7	7.7		U3/500	

BUG Rating: B2-U5-G5

Type IV Short





REPORT NUMBER: P314604

CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2.5°	146.5	143.7	143.7	141.9	140.0	134.4	131.7	126.1	119.6	112.2	105.7
5°	172.5	170.6	170.6	169.7	168.7	164.1	159.5	152.1	142.8	133.5	122.4
7.5°	191.9	191.9	191.0	190.1	187.3	181.7	176.2	168.7	159.5	151.1	141.9
10°	207.7	207.7	207.7	204.9	201.2	196.6	189.1	180.8	170.6	161.3	151.1
12.5°	218.8	218.8	218.8	215.1	211.4	206.8	198.4	190.1	179.9	170.6	160.4
15°	230.9	229.9	230.9	224.4	220.7	216.0	207.7	200.3	190.1	181.7	171.5
17.5°	239.2	239.2	238.3	235.5	230.9	225.3	217.0	209.5	200.3	191.0	180.8
20°	247.6	247.6	246.6	243.8	240.1	234.6	227.2	217.9	209.5	200.3	189.1
22.5°	255.0	255.9	255.0	252.2	248.5	243.8	237.4	228.1	218.8	208.6	197.5
25°	263.3	263.3	264.2	261.5	256.8	252.2	245.7	237.4	228.1	217.0	204.0
27.5°	271.7	271.7	271.7	268.9	263.3	258.7	251.3	243.8	233.6	221.6	208.6
30°	276.3	277.2	276.3	274.4	268.9	263.3	255.9	247.6	237.4	224.4	211.4
32.5°	280.0	280.0	280.0	277.2	271.7	266.1	258.7	248.5	238.3	226.2	212.3
35°	284.6	284.6	283.7	280.9	276.3	270.7	262.4	253.1	242.0	229.9	215.1
37.5°	293.0	293.0	292.1	289.3	284.6	280.9	273.5	264.2	254.0	242.0	224.4
40°	314.3	313.4	312.5	311.5	307.8	307.8	302.3	293.9	281.9	270.7	248.5
42.5°	357.9	355.1	355.1	355.1	353.3	356.0	354.2	345.8	333.8	318.9	292.1
45°	430.2	424.6	424.6	422.8	426.5	427.4	427.4	419.1	404.2	385.7	353.3
47.5°	533.1	523.9	525.7	519.2	516.4	525.7	527.6	513.7	505.3	474.7	430.2
50°	662.0	649.9	655.5	645.3	634.2	646.2	651.8	643.5	631.4	591.5	540.5
52.5°	810.3	807.6	799.2	786.2	787.2	793.7	798.3	814.1	790.0	739.0	676.8
55°	981.9	979.1	976.3	948.5	949.4	949.4	957.8	973.5	953.1	878.0	816.8
57.5°	1143.2	1134.9	1136.7	1103.3	1095.0	1074.6	1086.6	1106.1	1070.0	983.7	916.0
60°	1273.0	1266.5	1261.9	1233.1	1219.2	1191.4	1187.7	1211.8	1171.0	1068.1	992.1
62.5°	1388.0	1386.1	1379.6	1338.8	1327.7	1287.8	1280.4	1303.6	1251.7	1136.7	1059.8
65°	1497.4	1490.0	1470.5	1437.1	1422.3	1375.0	1374.1	1400.0	1343.5	1216.4	1129.3
67.5°	1584.5	1579.9	1578.0	1526.1	1497.4	1454.7	1447.3	1482.5	1416.7	1271.2	1184.9
70°	1662.4	1662.4	1656.9	1615.1	1571.6	1533.5	1523.3	1565.1	1490.0	1347.2	1257.2
72.5°	1733.8	1731.0	1728.2	1691.2	1635.5	1593.8	1580.8	1629.0	1543.7	1389.8	1302.7
75°	1785.7	1793.2	1786.7	1753.3	1692.1	1648.5	1637.4	1682.8	1594.7	1441.8	1351.8
77.5°	1824.7	1834.9	1828.4	1795.0	1726.4	1686.5	1676.3	1715.3	1626.3	1464.9	1378.7
78°	1831.2	1838.6	1833.0	1799.6	1731.0	1694.9	1682.8	1718.0	1630.0	1467.7	1377.8
80°	1827.5	1831.2	1829.3	1801.5	1728.2	1693.9	1675.4	1709.7	1622.6	1457.5	1366.7
82.5°	1806.1	1808.9	1808.9	1784.8	1699.5	1676.3	1660.6	1698.6	1609.6	1450.1	1377.8
85°	1758.8	1764.4	1766.3	1748.6	1664.3	1641.1	1622.6	1658.7	1563.2	1410.2	1330.5
87.5°	1713.4	1712.5	1712.5	1698.6	1618.8	1601.2	1584.5	1617.9	1529.8	1380.6	1310.1
90°	1659.6	1660.6	1663.3	1647.6	1567.8	1552.1	1534.5	1574.3	1488.1	1355.5	1290.6
92.5°	1570.6	1573.4	1572.5	1559.5	1486.3	1473.3	1457.5	1492.7	1413.0	1282.3	1222.0
95°	1420.4	1426.0	1424.1	1414.9	1358.3	1337.0	1322.1	1362.0	1288.8	1171.9	1122.8
97.5°	1241.5	1248.9	1248.0	1237.8	1191.4	1183.1	1165.5	1205.3	1144.1	1044.9	1003.2
100°	1010.6	1023.6	1018.0	1011.5	987.4	983.7	978.2	1019.0	972.6	893.8	856.7
102.5°	713.9	726.9	721.3	720.4	710.2	724.1	723.2	763.1	731.5	671.3	640.7
105°	436.7	443.2	438.6	433.0	423.7	433.0	422.8	431.1	408.9	366.2	345.8
107.5°	260.5	265.2	262.4	256.8	250.3	251.3	244.8	245.7	232.7	211.4	200.3



REPORT NUMBER: P314604

CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	175.2	177.1	176.2	170.6	166.9	167.8	165.0	165.0	160.4	149.3	141.9
112.5°	128.9	129.8	130.7	125.2	123.3	123.3	123.3	123.3	120.5	114.0	108.5
115°	99.2	100.1	100.1	96.4	94.6	95.5	95.5	96.4	95.5	90.9	87.2
117.5°	79.7	79.7	79.7	77.0	75.1	76.0	76.0	77.0	77.0	74.2	71.4
120°	66.8	67.7	67.7	65.8	64.0	64.0	64.0	64.0	64.9	63.0	60.3
122.5°	60.3	60.3	60.3	58.4	56.6	55.6	56.6	56.6	56.6	55.6	53.8
125°	54.7	54.7	54.7	52.8	51.0	50.1	51.0	51.0	51.9	51.0	49.1
127.5°	46.4	47.3	47.3	45.4	42.6	42.6	43.6	44.5	45.4	45.4	43.6
130°	34.3	35.2	35.2	34.3	31.5	31.5	33.4	34.3	36.2	36.2	34.3
132.5°	23.2	22.3	22.3	21.3	19.5	20.4	21.3	23.2	25.0	25.0	24.1
135°	3.7	2.8	2.8	2.8	2.8	2.8	4.6	4.6	6.5	7.4	7.4
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	0.9	0.9	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.9	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0
170°	0.9	0.9	0.9	0.0	0.9	0.9	0.0	0.9	0.9	0.0	0.0
172.5°	0.0	0.9	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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: P314604

CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2.5°	102.9	100.1	93.6	89.0	82.5	78.8	74.2	70.5	68.6	67.7	67.7
5°	118.7	114.0	105.7	100.1	92.7	88.1	84.4	81.6	79.7	79.7	79.7
7.5°	137.2	130.7	120.5	111.3	104.8	100.1	96.4	92.7	89.9	89.0	88.1
10°	146.5	141.9	132.6	124.2	115.0	108.5	102.0	97.4	93.6	92.7	91.8
12.5°	154.8	149.3	139.1	130.7	120.5	112.2	104.8	98.3	93.6	91.8	90.9
15°	166.0	159.5	148.3	137.2	127.0	116.8	108.5	100.1	94.6	92.7	91.8
17.5°	175.2	168.7	156.7	145.6	133.5	122.4	112.2	102.9	96.4	94.6	93.6
20°	183.6	176.2	163.2	152.1	138.1	126.1	114.0	104.8	97.4	94.6	94.6
22.5°	191.0	183.6	170.6	157.6	142.8	128.9	116.8	105.7	98.3	95.5	94.6
25°	197.5	190.1	176.2	162.3	146.5	131.7	118.7	107.6	99.2	95.5	94.6
27.5°	202.1	194.7	180.8	166.0	150.2	134.4	121.5	109.4	101.1	96.4	96.4
30°	204.9	198.4	183.6	168.7	153.0	137.2	123.3	111.3	102.9	98.3	98.3
32.5°	205.8	199.3	185.4	170.6	155.8	140.0	126.1	114.0	105.7	101.1	101.1
35°	207.7	201.2	188.2	173.4	158.5	143.7	129.8	117.8	109.4	105.7	104.8
37.5°	216.0	209.5	194.7	178.9	163.2	148.3	134.4	122.4	114.0	110.3	110.3
40°	240.1	230.9	211.4	193.8	174.3	157.6	141.9	128.9	120.5	117.8	116.8
42.5°	279.1	269.8	245.7	220.7	196.6	175.2	153.9	138.1	128.9	125.2	125.2
45°	338.4	326.4	293.9	265.2	230.9	202.1	171.5	151.1	140.0	135.4	134.4
47.5°	415.4	400.5	361.6	318.0	276.3	239.2	196.6	167.8	153.0	146.5	145.6
50°	518.3	503.5	450.6	390.3	339.3	282.8	227.2	189.1	167.8	158.5	156.7
52.5°	649.0	633.3	563.7	485.8	420.0	342.1	263.3	212.3	185.4	173.4	171.5
55°	784.4	766.8	681.5	584.1	513.7	408.9	305.0	244.8	208.6	191.0	187.3
57.5°	879.9	860.4	765.8	657.4	589.7	460.8	346.8	276.3	235.5	211.4	209.5
60°	949.4	929.0	828.0	719.5	641.6	499.7	383.8	302.3	260.5	237.4	236.4
62.5°	1011.5	994.9	883.6	775.1	682.4	532.2	417.2	333.8	284.6	257.8	250.3
65°	1078.3	1051.4	932.7	824.3	727.8	569.3	437.6	362.5	306.0	276.3	269.8
67.5°	1134.9	1106.1	993.9	883.6	771.4	599.0	464.5	388.5	331.9	294.8	293.0
70°	1205.3	1172.9	1038.4	929.0	812.2	637.0	491.4	404.2	346.8	310.6	299.5
72.5°	1246.1	1211.8	1082.9	975.4	841.9	668.5	509.9	411.7	357.0	318.0	306.9
75°	1292.5	1255.4	1106.1	1009.7	871.5	692.6	526.6	422.8	364.4	320.8	310.6
77.5°	1312.9	1273.9	1142.3	1033.8	897.5	707.4	538.7	433.0	365.3	320.8	318.0
78°	1312.9	1272.1	1135.8	1037.5	895.6	708.4	540.5	436.7	366.2	318.0	315.2
80°	1304.5	1263.7	1125.6	1035.7	889.2	706.5	542.4	443.2	362.5	314.3	316.2
82.5°	1306.4	1271.2	1121.9	1030.1	886.4	705.6	537.8	436.7	356.0	306.9	309.7
85°	1258.2	1224.8	1091.3	1003.2	861.3	696.3	531.3	428.4	352.3	301.3	304.1
87.5°	1244.3	1210.0	1067.2	985.6	839.1	677.8	521.1	421.9	344.0	294.8	298.5
90°	1218.3	1184.9	1038.4	955.9	815.0	653.7	497.0	402.4	331.0	282.8	284.6
92.5°	1151.5	1121.0	981.9	904.0	771.4	624.0	472.9	382.0	312.5	268.9	268.9
95°	1066.2	1039.4	908.6	840.0	714.8	573.9	434.8	351.4	285.6	246.6	244.8
97.5°	948.5	923.5	809.4	745.4	637.9	509.0	380.1	305.0	246.6	208.6	208.6
100°	796.4	786.2	681.5	624.9	530.3	416.3	312.5	244.8	199.3	166.9	164.1
102.5°	595.2	573.9	488.6	442.3	374.6	289.3	214.2	169.7	142.8	120.5	115.9
105°	310.6	315.2	262.4	241.1	206.8	166.9	129.8	105.7	89.9	78.8	75.1
107.5°	185.4	180.8	158.5	144.6	126.1	102.9	82.5	68.6	59.3	52.8	51.0



REPORT NUMBER: P314604

CATALOG NUMBER: MPW-A6-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	132.6	130.7	114.0	102.9	89.9	73.2	58.4	49.1	42.6	38.0	37.1
112.5°	102.0	100.1	88.1	78.8	67.7	54.7	43.6	36.2	31.5	27.8	27.8
115°	82.5	80.7	71.4	62.1	52.8	42.6	34.3	27.8	24.1	21.3	21.3
117.5°	67.7	65.8	57.5	51.0	42.6	34.3	26.9	22.3	18.5	16.7	16.7
120°	57.5	55.6	49.1	42.6	35.2	28.7	22.3	17.6	15.8	13.9	13.9
122.5°	51.9	49.1	43.6	37.1	30.6	24.1	18.5	14.8	13.0	11.1	11.1
125°	47.3	45.4	39.9	33.4	26.0	21.3	15.8	12.1	10.2	9.3	8.3
127.5°	41.7	39.9	34.3	27.8	21.3	16.7	12.1	9.3	6.5	5.6	5.6
130°	33.4	30.6	26.0	20.4	14.8	11.1	8.3	5.6	3.7	3.7	2.8
132.5°	23.2	21.3	17.6	13.0	8.3	5.6	3.7	2.8	0.9	0.9	0.9
135°	7.4	6.5	3.7	3.7	0.9	0.9	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)