

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: P314598

Luminaire Tested: **MPW-A6-D-U-ASYM-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314598
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-7027
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 2700K LIGHT ENGINE. ASYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5819 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U4 - G5

Input Watts (W): 64.8
Input Voltage (V): NR
Input Current (A_{in}): 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

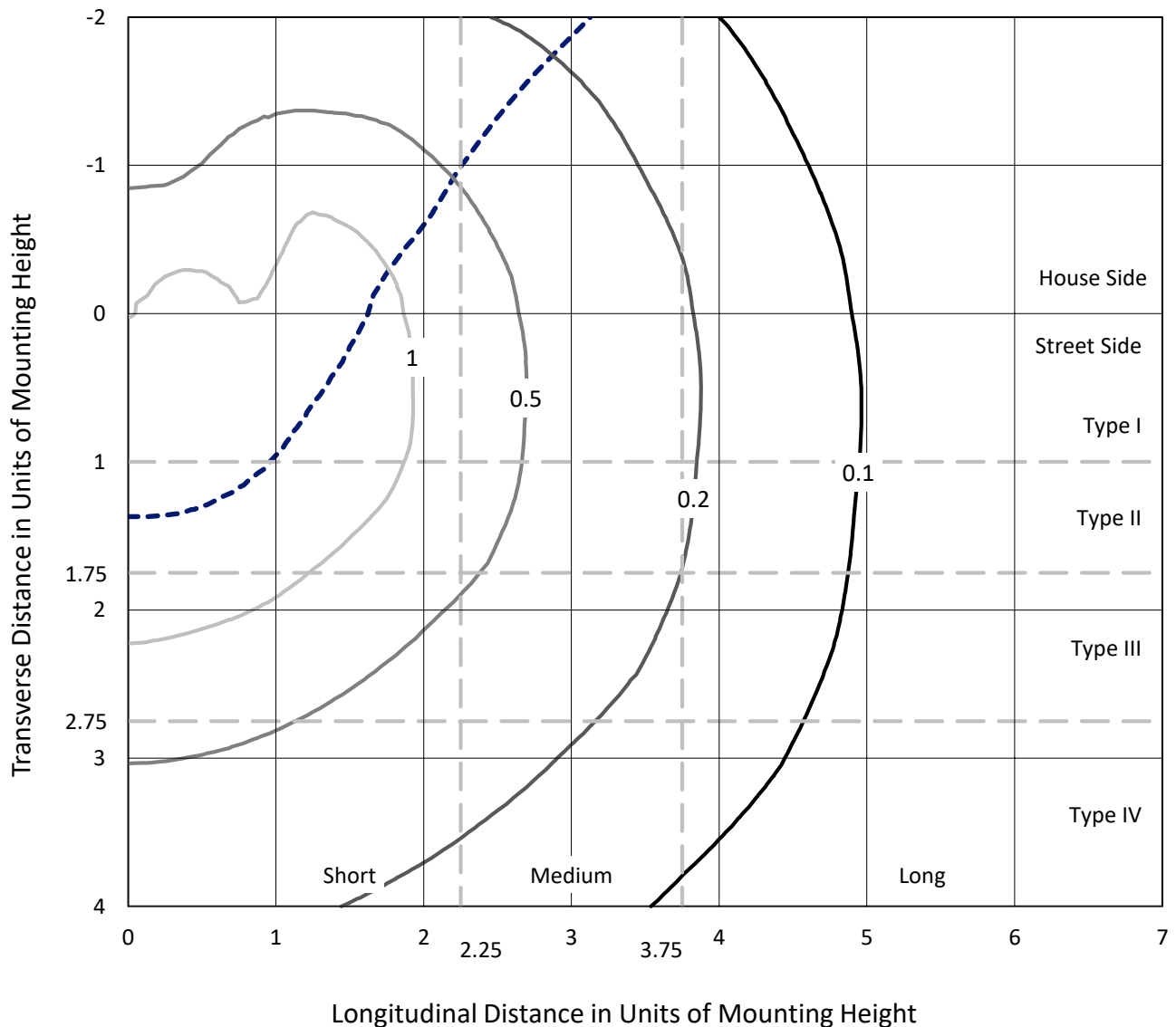


REPORT NUMBER: P314598

CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

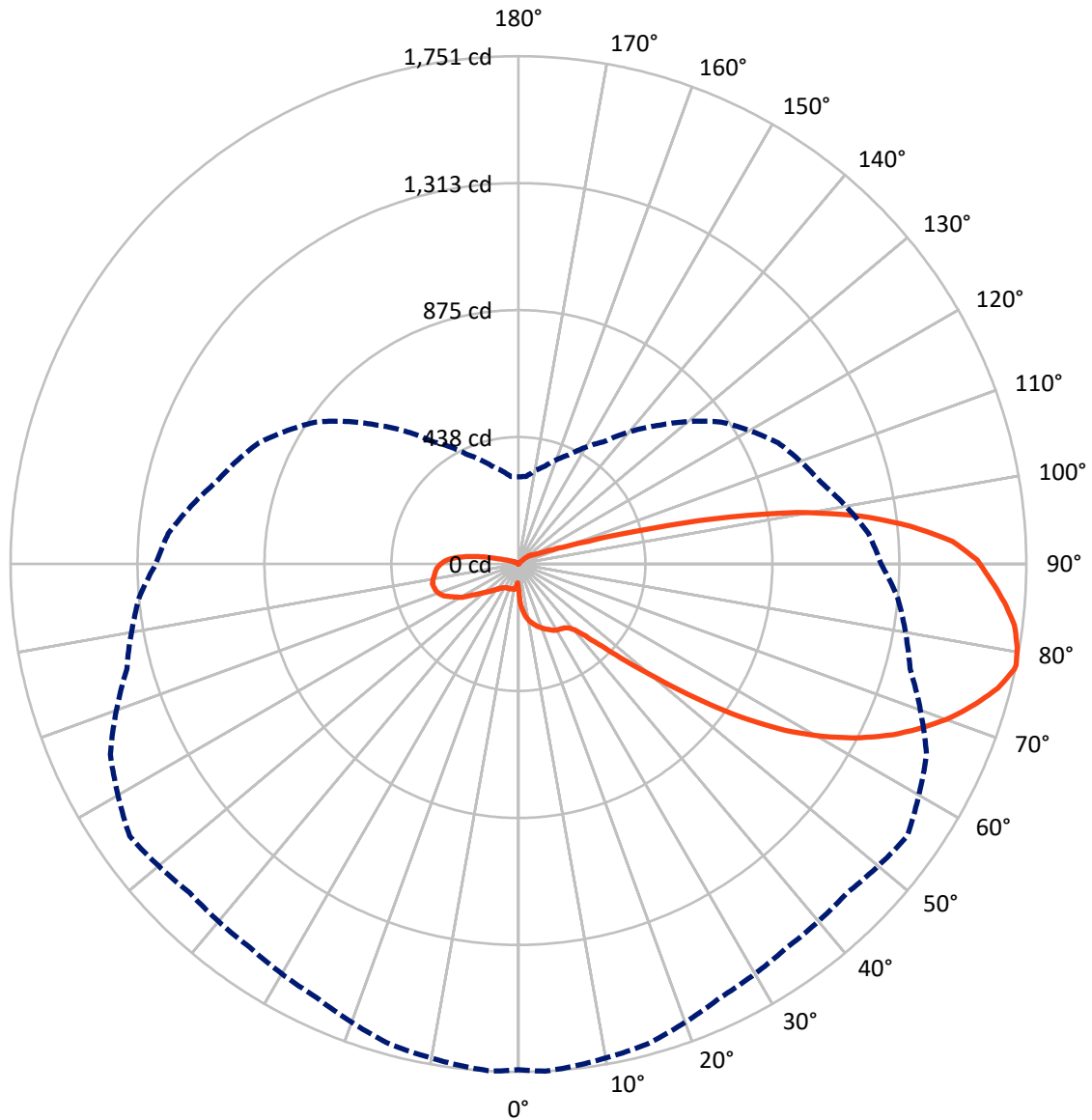


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P314598

CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 3-Deg Lateral - - - Horizontal Cone Through 78-Deg Vertical

REPORT NUMBER: P314598

CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

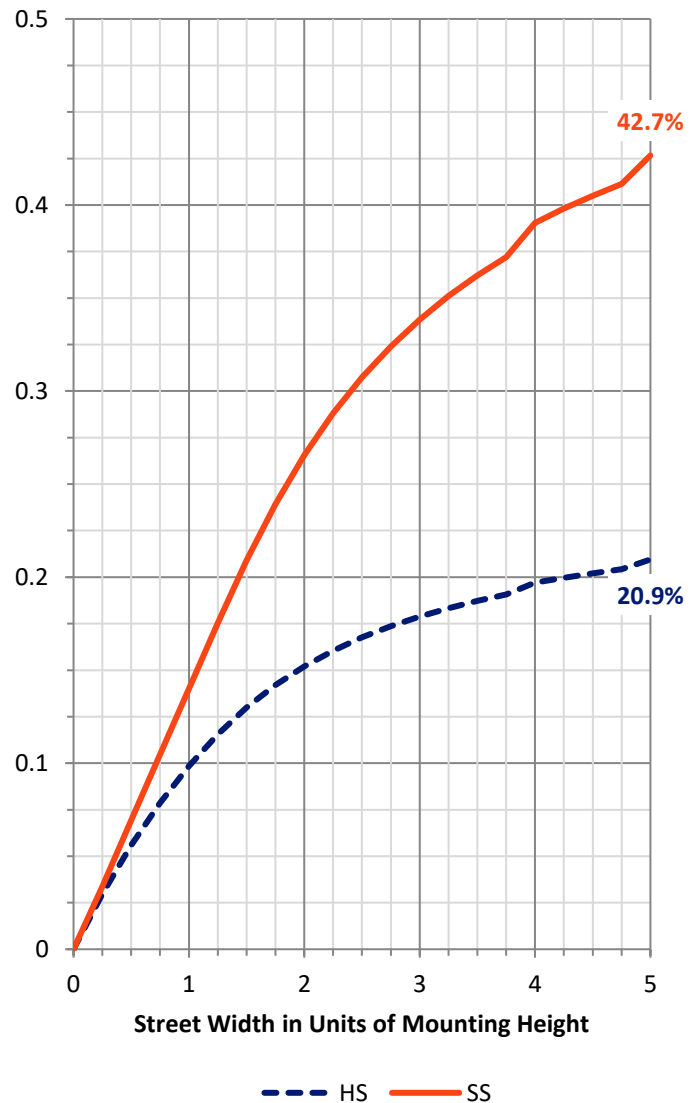
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1390.0	448.2	1838.2
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	2994.1	986.7	3980.8
	% Fixture	51.5	17.0	68.4
Total	Lumens	4384.1	1434.9	5819.0
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.2
10°-20°	44.3	0.8
20°-30°	83.0	1.4
30°-40°	123.5	2.1
40°-50°	241.5	4.2
50°-60°	577.3	9.9
60°-70°	925.4	15.9
70°-80°	1173.9	20.2
80°-90°	1203.3	20.7
90°-100°	973.1	16.7
100°-110°	352.7	6.1
110°-120°	71.5	1.2
120°-130°	31.6	0.5
130°-140°	5.9	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°	4384.1	75.3
0°-180°	5819.0	100.0



REPORT NUMBER: P314598

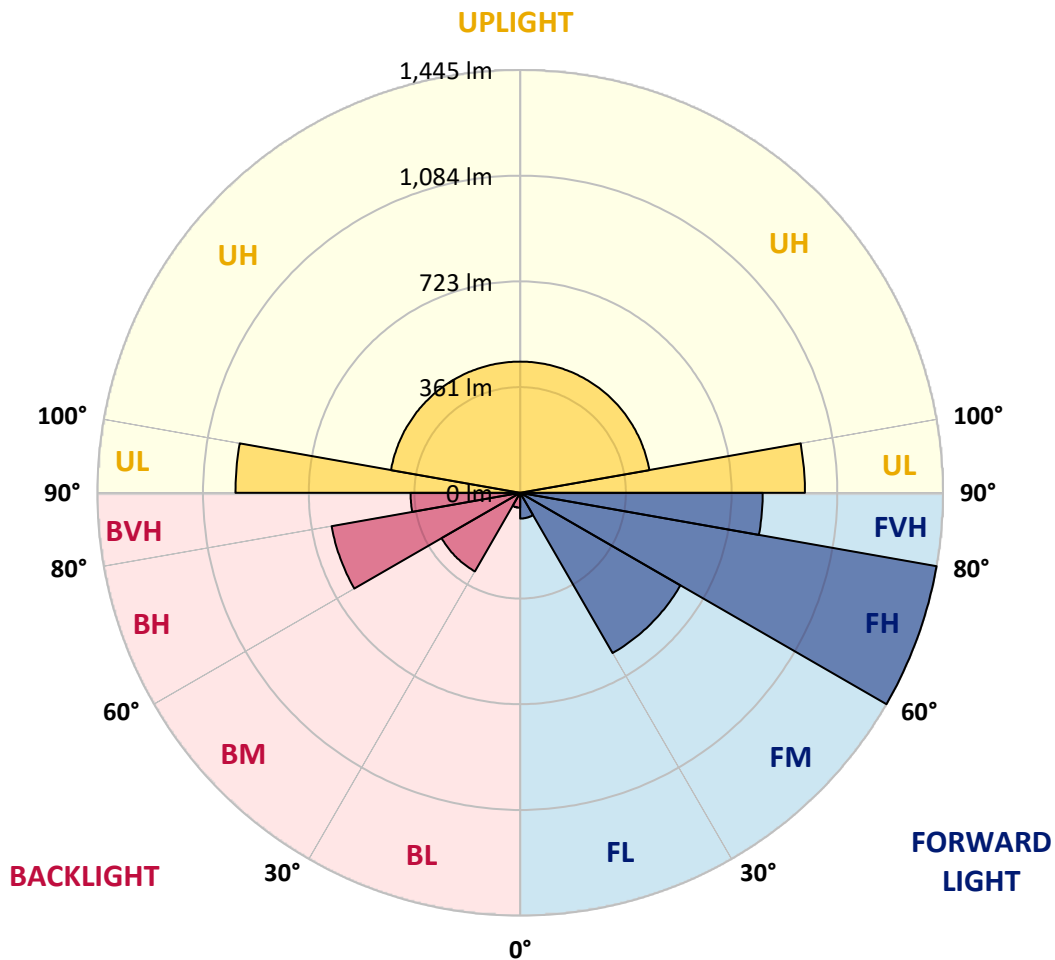
CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.1	1.5			
FM (30°-60°)	632.3	10.9			
FH (60°-80°)	1445.1	24.8			G1/1800
FVH (80°-90°)	828.7	14.2			G5
BL (0°-30°)	51.1	0.9	B0/110		
BM (30°-60°)	310.0	5.3	B1/1000		
BH (60°-80°)	654.3	11.2	B2/1000		G2/1000
BVH (80°-90°)	374.6	6.4			G3/500
UL (90°-100°)	973.1	16.7		U4/1000	
UH (100°-180°)	448.2	7.7		U3/500	

BUG Rating: B2-U4-G5

Type IV Short





REPORT NUMBER: P314598

CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
2.5°	139.5	136.8	136.8	135.1	133.3	128.0	125.4	120.1	113.9	106.8	100.6
5°	164.2	162.4	162.4	161.6	160.7	156.3	151.9	144.8	136.0	127.1	116.5
7.5°	182.8	182.8	181.9	181.0	178.3	173.0	167.7	160.7	151.9	143.9	135.1
10°	197.8	197.8	197.8	195.1	191.6	187.2	180.1	172.2	162.4	153.6	143.9
12.5°	208.4	208.4	208.4	204.8	201.3	196.9	188.9	181.0	171.3	162.4	152.7
15°	219.8	219.0	219.8	213.7	210.1	205.7	197.8	190.7	181.0	173.0	163.3
17.5°	227.8	227.8	226.9	224.2	219.8	214.5	206.6	199.5	190.7	181.9	172.2
20°	235.7	235.7	234.8	232.2	228.7	223.4	216.3	207.5	199.5	190.7	180.1
22.5°	242.8	243.7	242.8	240.1	236.6	232.2	226.0	217.2	208.4	198.6	188.1
25°	250.7	250.7	251.6	249.0	244.6	240.1	234.0	226.0	217.2	206.6	194.2
27.5°	258.7	258.7	258.7	256.0	250.7	246.3	239.3	232.2	222.5	211.0	198.6
30°	263.1	264.0	263.1	261.3	256.0	250.7	243.7	235.7	226.0	213.7	201.3
32.5°	266.6	266.6	266.6	264.0	258.7	253.4	246.3	236.6	226.9	215.4	202.2
35°	271.0	271.0	270.2	267.5	263.1	257.8	249.9	241.0	230.4	219.0	204.8
37.5°	279.0	279.0	278.1	275.5	271.0	267.5	260.4	251.6	241.9	230.4	213.7
40°	299.3	298.4	297.5	296.6	293.1	293.1	287.8	279.9	268.4	257.8	236.6
42.5°	340.8	338.1	338.1	338.1	336.4	339.0	337.3	329.3	317.8	303.7	278.1
45°	409.7	404.4	404.4	402.6	406.1	407.0	407.0	399.1	384.9	367.3	336.4
47.5°	507.6	498.8	500.6	494.4	491.8	500.6	502.4	489.1	481.2	452.0	409.7
50°	630.4	618.9	624.2	614.5	603.9	615.4	620.7	612.7	601.2	563.3	514.7
52.5°	771.6	769.0	761.0	748.7	749.6	755.7	760.2	775.2	752.2	703.6	644.5
55°	935.0	932.3	929.7	903.2	904.1	904.1	912.0	927.0	907.6	836.1	777.8
57.5°	1088.6	1080.6	1082.4	1050.6	1042.7	1023.2	1034.7	1053.3	1018.8	936.7	872.3
60°	1212.2	1206.0	1201.6	1174.2	1161.0	1134.5	1131.0	1153.9	1115.1	1017.1	944.7
62.5°	1321.7	1319.9	1313.7	1274.9	1264.3	1226.3	1219.2	1241.3	1191.9	1082.4	1009.1
65°	1425.8	1418.8	1400.2	1368.4	1354.3	1309.3	1308.4	1333.1	1279.3	1158.3	1075.3
67.5°	1508.8	1504.4	1502.6	1453.2	1425.8	1385.2	1378.2	1411.7	1349.0	1210.4	1128.3
70°	1583.0	1583.0	1577.7	1538.0	1496.5	1460.3	1450.6	1490.3	1418.8	1282.8	1197.2
72.5°	1651.0	1648.3	1645.7	1610.4	1557.4	1517.7	1505.3	1551.2	1470.0	1323.4	1240.4
75°	1700.4	1707.5	1701.3	1669.5	1611.2	1569.7	1559.1	1602.4	1518.5	1372.9	1287.2
77.5°	1737.5	1747.2	1741.0	1709.2	1643.9	1605.9	1596.2	1633.3	1548.6	1394.9	1312.8
78°	1743.7	1750.7	1745.4	1713.6	1648.3	1613.9	1602.4	1636.0	1552.1	1397.6	1311.9
80°	1740.1	1743.7	1741.9	1715.4	1645.7	1613.0	1595.3	1628.0	1545.0	1387.9	1301.3
82.5°	1719.8	1722.5	1722.5	1699.5	1618.3	1596.2	1581.2	1617.4	1532.7	1380.8	1311.9
85°	1674.8	1680.1	1681.9	1665.1	1584.8	1562.7	1545.0	1579.5	1488.5	1342.8	1266.9
87.5°	1631.5	1630.7	1630.7	1617.4	1541.5	1524.7	1508.8	1540.6	1456.7	1314.6	1247.5
90°	1580.3	1581.2	1583.9	1568.9	1492.9	1477.9	1461.1	1499.1	1417.0	1290.8	1229.0
92.5°	1495.6	1498.2	1497.3	1485.0	1415.2	1402.9	1387.9	1421.4	1345.5	1221.0	1163.6
95°	1352.6	1357.9	1356.1	1347.3	1293.4	1273.1	1259.0	1296.9	1227.2	1115.9	1069.2
97.5°	1182.2	1189.2	1188.3	1178.6	1134.5	1126.5	1109.8	1147.7	1089.5	995.0	955.3
100°	962.3	974.7	969.4	963.2	940.3	936.7	931.4	970.3	926.1	851.1	815.8
102.5°	679.8	692.2	686.9	686.0	676.3	689.5	688.6	726.6	696.6	639.2	610.1
105°	415.8	422.0	417.6	412.3	403.5	412.3	402.6	410.5	389.3	348.7	329.3
107.5°	248.1	252.5	249.9	244.6	238.4	239.3	233.1	234.0	221.6	201.3	190.7



REPORT NUMBER: P314598

CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	166.9	168.6	167.7	162.4	158.9	159.8	157.2	157.2	152.7	142.1	135.1
112.5°	122.7	123.6	124.5	119.2	117.4	117.4	117.4	117.4	114.8	108.6	103.3
115°	94.5	95.3	95.3	91.8	90.1	90.9	90.9	91.8	90.9	86.5	83.0
117.5°	75.9	75.9	75.9	73.3	71.5	72.4	72.4	73.3	73.3	70.6	68.0
120°	63.6	64.4	64.4	62.7	60.9	60.9	60.9	60.9	61.8	60.0	57.4
122.5°	57.4	57.4	57.4	55.6	53.9	53.0	53.9	53.9	53.9	53.0	51.2
125°	52.1	52.1	52.1	50.3	48.6	47.7	48.6	48.6	49.4	48.6	46.8
127.5°	44.1	45.0	45.0	43.3	40.6	40.6	41.5	42.4	43.3	43.3	41.5
130°	32.7	33.5	33.5	32.7	30.0	30.0	31.8	32.7	34.4	34.4	32.7
132.5°	22.1	21.2	21.2	20.3	18.5	19.4	20.3	22.1	23.8	23.8	23.0
135°	3.5	2.6	2.6	2.6	2.6	2.6	4.4	4.4	6.2	7.1	7.1
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	0.9	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: P314598

CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
2.5°	98.0	95.3	89.2	84.8	78.6	75.0	70.6	67.1	65.3	64.4	64.4
5°	113.0	108.6	100.6	95.3	88.3	83.9	80.3	77.7	75.9	75.9	75.9
7.5°	130.7	124.5	114.8	105.9	99.8	95.3	91.8	88.3	85.6	84.8	83.9
10°	139.5	135.1	126.3	118.3	109.5	103.3	97.1	92.7	89.2	88.3	87.4
12.5°	147.4	142.1	132.4	124.5	114.8	106.8	99.8	93.6	89.2	87.4	86.5
15°	158.0	151.9	141.3	130.7	121.0	111.2	103.3	95.3	90.1	88.3	87.4
17.5°	166.9	160.7	149.2	138.6	127.1	116.5	106.8	98.0	91.8	90.1	89.2
20°	174.8	167.7	155.4	144.8	131.5	120.1	108.6	99.8	92.7	90.1	90.1
22.5°	181.9	174.8	162.4	150.1	136.0	122.7	111.2	100.6	93.6	90.9	90.1
25°	188.1	181.0	167.7	154.5	139.5	125.4	113.0	102.4	94.5	90.9	90.1
27.5°	192.5	185.4	172.2	158.0	143.0	128.0	115.7	104.2	96.2	91.8	91.8
30°	195.1	188.9	174.8	160.7	145.7	130.7	117.4	105.9	98.0	93.6	93.6
32.5°	196.0	189.8	176.6	162.4	148.3	133.3	120.1	108.6	100.6	96.2	96.2
35°	197.8	191.6	179.2	165.1	151.0	136.8	123.6	112.1	104.2	100.6	99.8
37.5°	205.7	199.5	185.4	170.4	155.4	141.3	128.0	116.5	108.6	105.1	105.1
40°	228.7	219.8	201.3	184.5	166.0	150.1	135.1	122.7	114.8	112.1	111.2
42.5°	265.7	256.9	234.0	210.1	187.2	166.9	146.6	131.5	122.7	119.2	119.2
45°	322.2	310.8	279.9	252.5	219.8	192.5	163.3	143.9	133.3	128.9	128.0
47.5°	395.5	381.4	344.3	302.8	263.1	227.8	187.2	159.8	145.7	139.5	138.6
50°	493.5	479.4	429.1	371.7	323.1	269.3	216.3	180.1	159.8	151.0	149.2
52.5°	618.0	603.0	536.8	462.6	399.9	325.8	250.7	202.2	176.6	165.1	163.3
55°	746.9	730.1	648.9	556.2	489.1	389.3	290.5	233.1	198.6	181.9	178.3
57.5°	837.8	819.3	729.3	626.0	561.5	438.8	330.2	263.1	224.2	201.3	199.5
60°	904.1	884.6	788.4	685.1	610.9	475.9	365.5	287.8	248.1	226.0	225.1
62.5°	963.2	947.3	841.4	738.1	649.8	506.8	397.3	317.8	271.0	245.4	238.4
65°	1026.8	1001.2	888.2	784.9	693.1	542.1	416.7	345.2	291.3	263.1	256.9
67.5°	1080.6	1053.3	946.4	841.4	734.5	570.3	442.3	369.9	316.1	280.8	279.0
70°	1147.7	1116.8	988.8	884.6	773.4	606.5	467.9	384.9	330.2	295.8	285.2
72.5°	1186.6	1153.9	1031.2	928.8	801.6	636.5	485.6	392.0	339.9	302.8	292.2
75°	1230.7	1195.4	1053.3	961.4	829.9	659.5	501.5	402.6	347.0	305.5	295.8
77.5°	1250.1	1213.1	1087.7	984.4	854.6	673.6	512.9	412.3	347.9	305.5	302.8
78°	1250.1	1211.3	1081.5	987.9	852.9	674.5	514.7	415.8	348.7	302.8	300.2
80°	1242.2	1203.4	1071.8	986.2	846.7	672.7	516.5	422.0	345.2	299.3	301.1
82.5°	1244.0	1210.4	1068.3	980.9	844.0	671.9	512.1	415.8	339.0	292.2	294.9
85°	1198.1	1166.3	1039.1	955.3	820.2	663.0	505.9	407.9	335.5	286.9	289.6
87.5°	1184.8	1152.1	1016.2	938.5	799.0	645.4	496.2	401.7	327.5	280.8	284.3
90°	1160.1	1128.3	988.8	910.2	776.0	622.4	473.2	383.2	315.2	269.3	271.0
92.5°	1096.5	1067.4	935.0	860.8	734.5	594.2	450.3	363.7	297.5	256.0	256.0
95°	1015.3	989.7	865.2	799.9	680.7	546.5	414.1	334.6	271.9	234.8	233.1
97.5°	903.2	879.3	770.7	709.8	607.4	484.7	362.0	290.5	234.8	198.6	198.6
100°	758.4	748.7	648.9	595.1	505.0	396.4	297.5	233.1	189.8	158.9	156.3
102.5°	566.8	546.5	465.3	421.1	356.7	275.5	203.9	161.6	136.0	114.8	110.4
105°	295.8	300.2	249.9	229.5	196.9	158.9	123.6	100.6	85.6	75.0	71.5
107.5°	176.6	172.2	151.0	137.7	120.1	98.0	78.6	65.3	56.5	50.3	48.6



REPORT NUMBER: P314598

CATALOG NUMBER: MPW-A6-D-U-ASYM-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	126.3	124.5	108.6	98.0	85.6	69.7	55.6	46.8	40.6	36.2	35.3
112.5°	97.1	95.3	83.9	75.0	64.4	52.1	41.5	34.4	30.0	26.5	26.5
115°	78.6	76.8	68.0	59.2	50.3	40.6	32.7	26.5	23.0	20.3	20.3
117.5°	64.4	62.7	54.7	48.6	40.6	32.7	25.6	21.2	17.7	15.9	15.9
120°	54.7	53.0	46.8	40.6	33.5	27.4	21.2	16.8	15.0	13.2	13.2
122.5°	49.4	46.8	41.5	35.3	29.1	23.0	17.7	14.1	12.4	10.6	10.6
125°	45.0	43.3	38.0	31.8	24.7	20.3	15.0	11.5	9.7	8.8	7.9
127.5°	39.7	38.0	32.7	26.5	20.3	15.9	11.5	8.8	6.2	5.3	5.3
130°	31.8	29.1	24.7	19.4	14.1	10.6	7.9	5.3	3.5	3.5	2.6
132.5°	22.1	20.3	16.8	12.4	7.9	5.3	3.5	2.6	0.9	0.9	0.9
135°	7.1	6.2	3.5	3.5	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)