

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: P314602

Luminaire Tested: **MPW-A4-D-U-ASYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314602
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-A4-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: 4063 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U4 - G4

Input Watts (W): 39.5
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



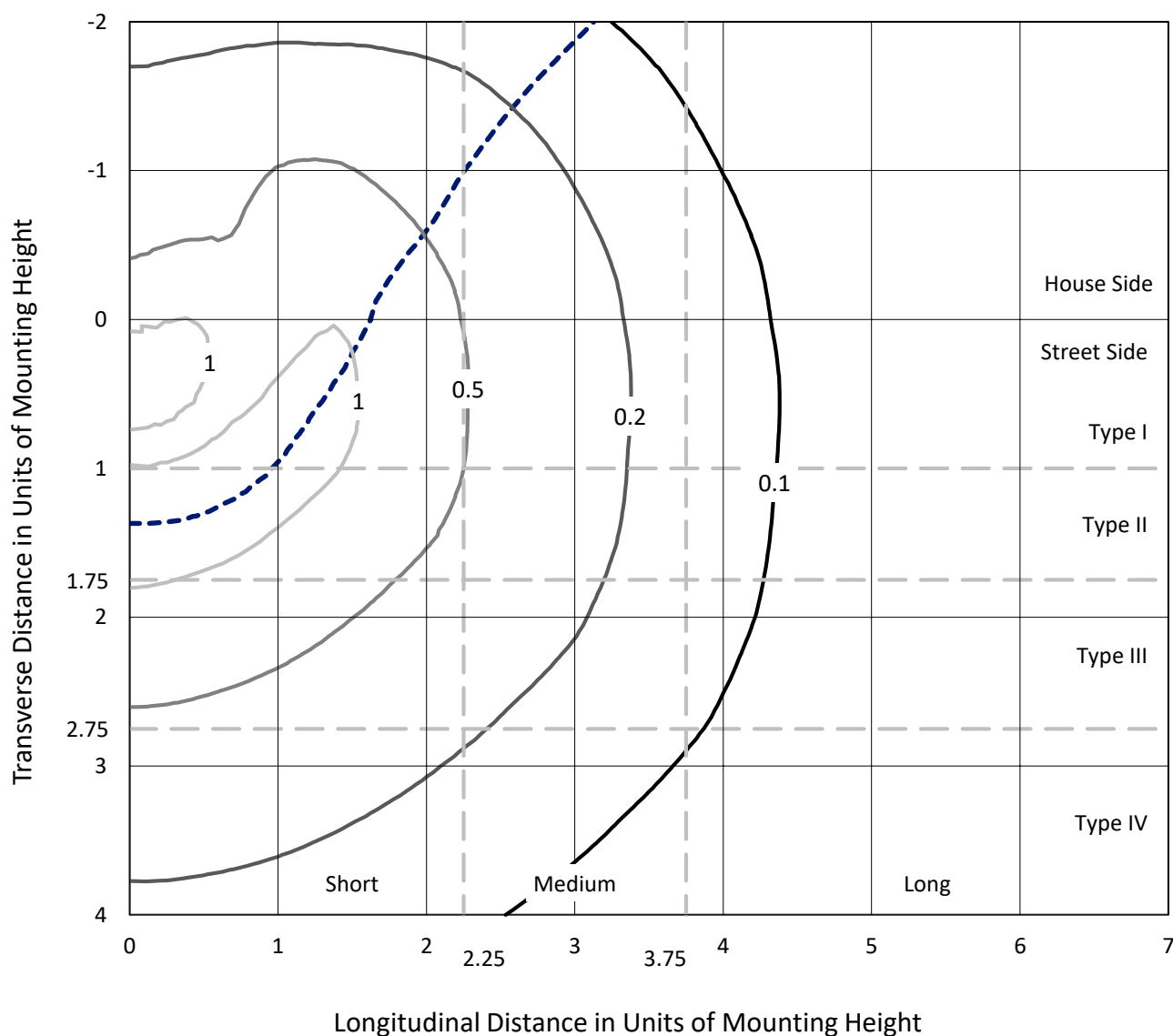
REPORT NUMBER: P314602

CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

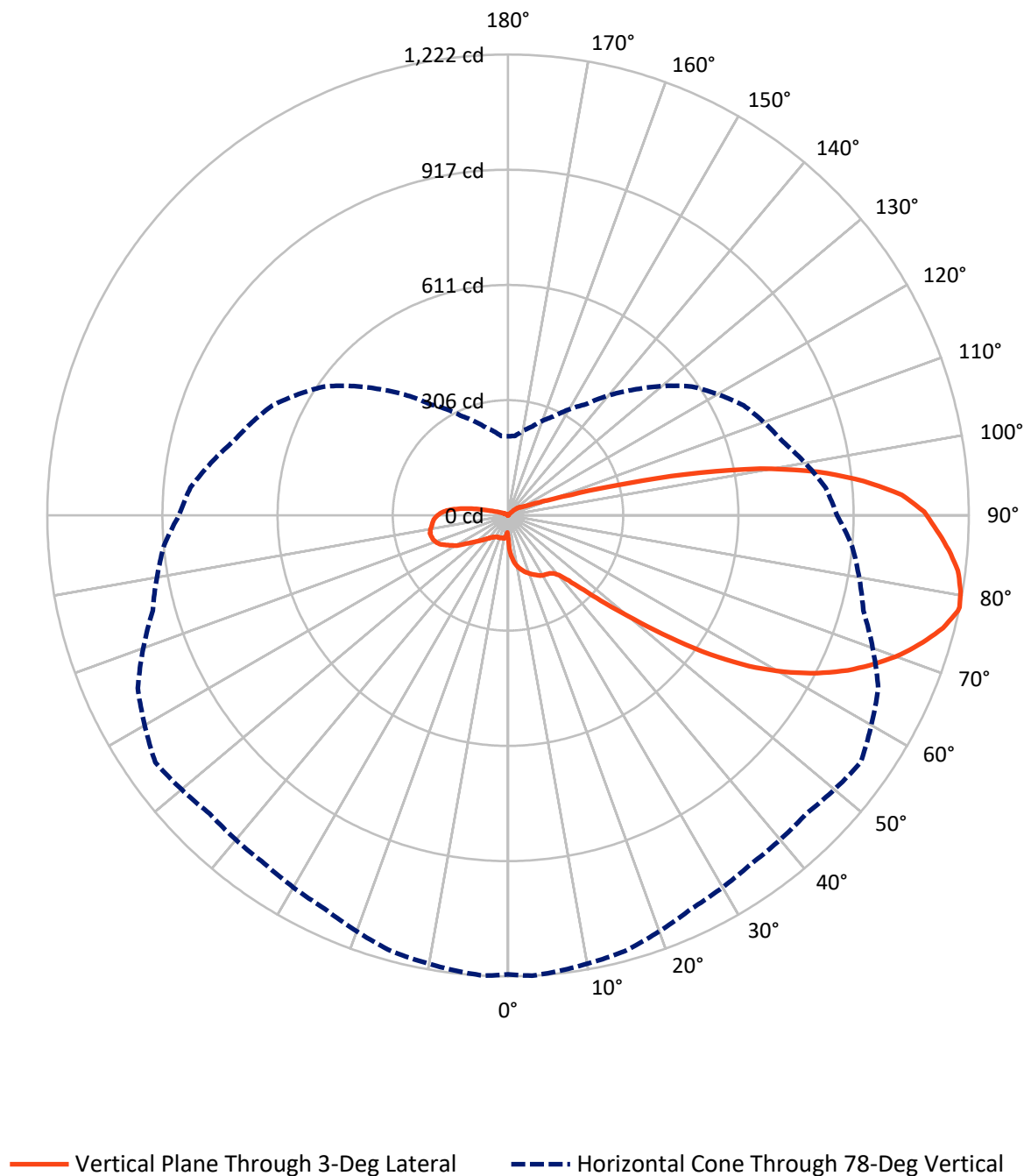


Based on 10 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P314602

CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P314602

CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

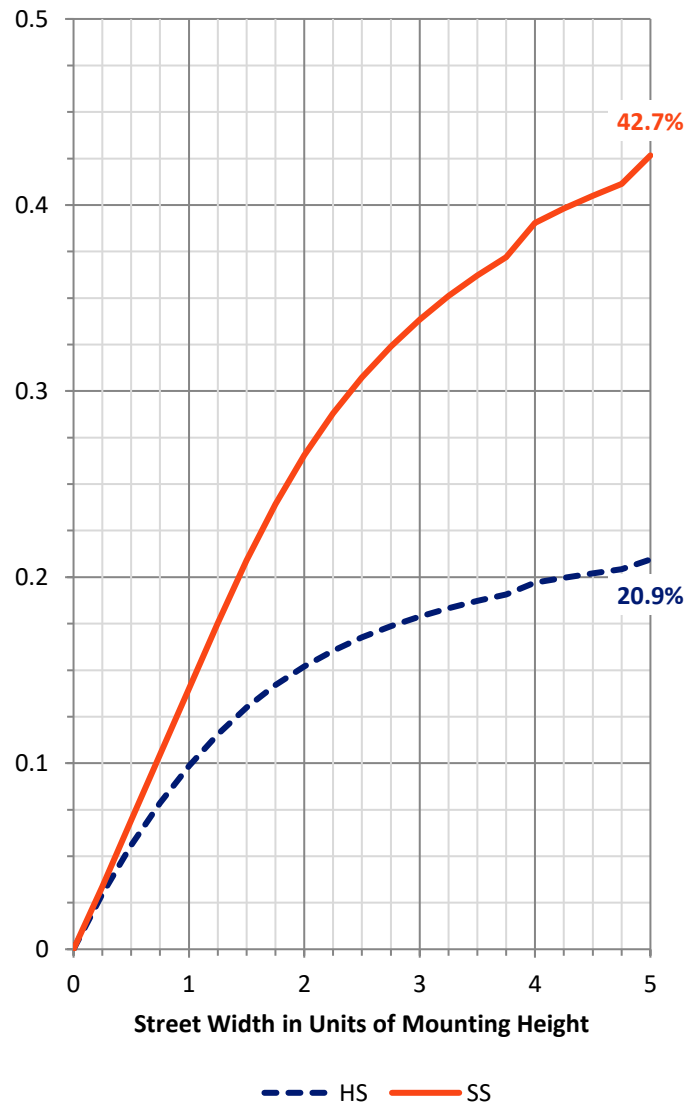
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	970.5	312.9	1283.5
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	2090.6	689.0	2779.5
	% Fixture	51.5	17.0	68.4
Total	Lumens	3061.1	1001.9	4063.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.2
10°-20°	30.9	0.8
20°-30°	58.0	1.4
30°-40°	86.2	2.1
40°-50°	168.7	4.2
50°-60°	403.1	9.9
60°-70°	646.1	15.9
70°-80°	819.7	20.2
80°-90°	840.1	20.7
90°-100°	679.5	16.7
100°-110°	246.3	6.1
110°-120°	49.9	1.2
120°-130°	22.1	0.5
130°-140°	4.1	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°	3061.1	75.3
0°-180°	4063.0	100.0

Coefficient of Utilization



REPORT NUMBER: P314602

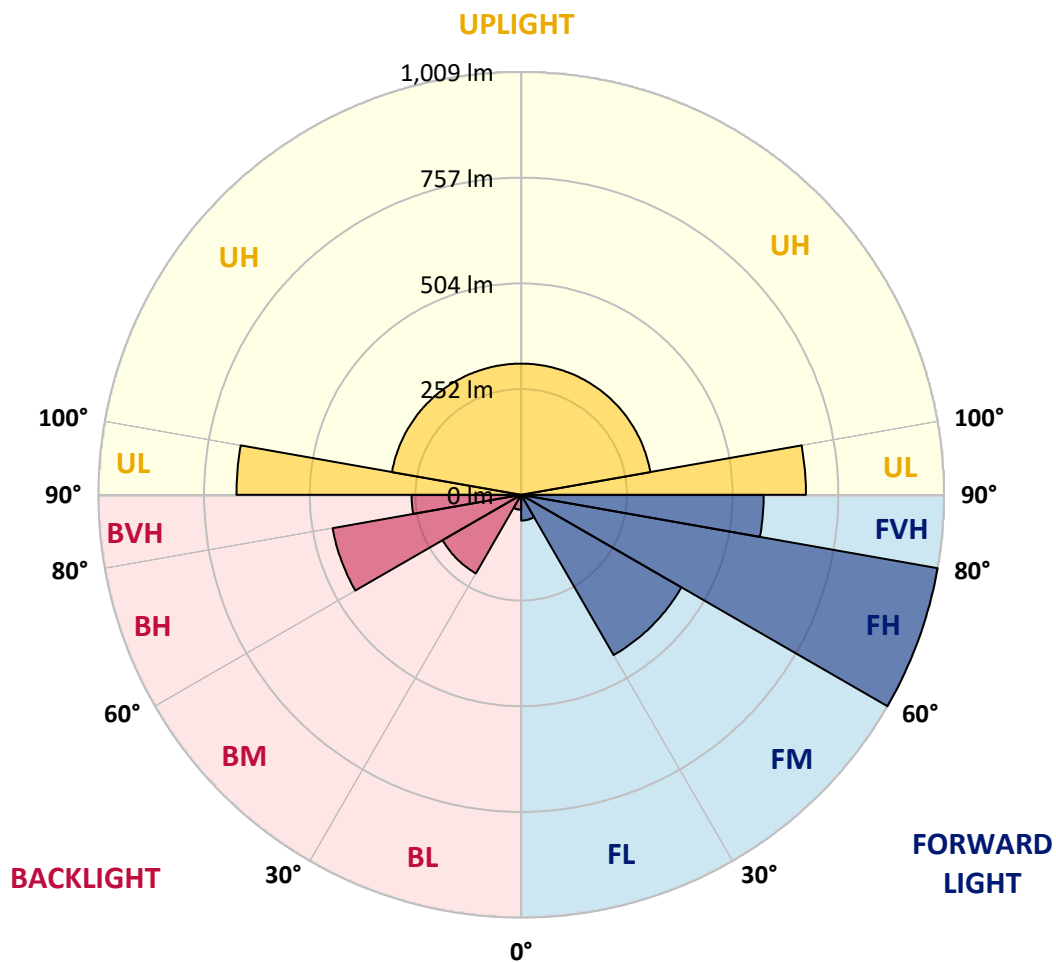
CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.5	1.5			
FM	(30°-60°)	441.5	10.9			
FH	(60°-80°)	1009.0	24.8			G1/1800
FVH	(80°-90°)	578.6	14.2			G4/750
BL	(0°-30°)	35.7	0.9	B0/110		
BM	(30°-60°)	216.5	5.3	B0/220		
BH	(60°-80°)	456.8	11.2	B1/500		G1/500
BVH	(80°-90°)	261.6	6.4			G3/500
UL	(90°-100°)	679.5	16.7		U4/1000	
UH	(100°-180°)	312.9	7.7		U3/500	

BUG Rating: B1-U4-G4

Type IV Short





REPORT NUMBER: P314602

CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
2.5°	97.4	95.5	95.5	94.3	93.1	89.4	87.5	83.8	79.5	74.6	70.3
5°	114.7	113.4	113.4	112.8	112.2	109.1	106.0	101.1	94.9	88.8	81.4
7.5°	127.6	127.6	127.0	126.4	124.5	120.8	117.1	112.2	106.0	100.5	94.3
10°	138.1	138.1	138.1	136.2	133.8	130.7	125.8	120.2	113.4	107.3	100.5
12.5°	145.5	145.5	145.5	143.0	140.5	137.5	131.9	126.4	119.6	113.4	106.6
15°	153.5	152.9	153.5	149.2	146.7	143.6	138.1	133.2	126.4	120.8	114.0
17.5°	159.0	159.0	158.4	156.6	153.5	149.8	144.2	139.3	133.2	127.0	120.2
20°	164.6	164.6	164.0	162.1	159.7	156.0	151.0	144.9	139.3	133.2	125.8
22.5°	169.5	170.1	169.5	167.7	165.2	162.1	157.8	151.6	145.5	138.7	131.3
25°	175.1	175.1	175.7	173.8	170.8	167.7	163.4	157.8	151.6	144.2	135.6
27.5°	180.6	180.6	180.6	178.8	175.1	172.0	167.1	162.1	155.3	147.3	138.7
30°	183.7	184.3	183.7	182.5	178.8	175.1	170.1	164.6	157.8	149.2	140.5
32.5°	186.2	186.2	186.2	184.3	180.6	176.9	172.0	165.2	158.4	150.4	141.2
35°	189.2	189.2	188.6	186.8	183.7	180.0	174.5	168.3	160.9	152.9	143.0
37.5°	194.8	194.8	194.2	192.3	189.2	186.8	181.9	175.7	168.9	160.9	149.2
40°	209.0	208.4	207.7	207.1	204.7	204.7	201.0	195.4	187.4	180.0	165.2
42.5°	237.9	236.1	236.1	236.1	234.9	236.7	235.5	229.9	221.9	212.1	194.2
45°	286.0	282.3	282.3	281.1	283.6	284.2	284.2	278.6	268.8	256.4	234.9
47.5°	354.5	348.3	349.5	345.2	343.4	349.5	350.8	341.5	336.0	315.6	286.0
50°	440.1	432.1	435.8	429.0	421.6	429.7	433.4	427.8	419.8	393.3	359.4
52.5°	538.8	536.9	531.4	522.7	523.4	527.7	530.8	541.2	525.2	491.3	450.0
55°	652.8	651.0	649.1	630.6	631.2	631.2	636.8	647.3	633.7	583.8	543.1
57.5°	760.1	754.5	755.8	733.6	728.0	714.5	722.5	735.4	711.4	654.0	609.0
60°	846.4	842.1	839.0	819.9	810.6	792.1	789.7	805.7	778.6	710.1	659.6
62.5°	922.8	921.6	917.3	890.1	882.8	856.2	851.3	866.7	832.2	755.8	704.6
65°	995.6	990.6	977.7	955.5	945.6	914.2	913.6	930.8	893.2	808.8	750.8
67.5°	1053.5	1050.4	1049.2	1014.7	995.6	967.2	962.3	985.7	941.9	845.1	787.8
70°	1105.3	1105.3	1101.6	1073.8	1044.9	1019.6	1012.8	1040.6	990.6	895.7	835.9
72.5°	1152.8	1150.9	1149.1	1124.4	1087.4	1059.7	1051.0	1083.1	1026.4	924.1	866.1
75°	1187.3	1192.2	1187.9	1165.7	1125.0	1096.0	1088.6	1118.8	1060.3	958.6	898.8
77.5°	1213.2	1219.9	1215.6	1193.4	1147.8	1121.3	1114.5	1140.4	1081.2	974.0	916.7
78°	1217.5	1222.4	1218.7	1196.5	1150.9	1126.9	1118.8	1142.3	1083.7	975.8	916.0
80°	1215.0	1217.5	1216.2	1197.8	1149.1	1126.2	1113.9	1136.7	1078.8	969.1	908.6
82.5°	1200.8	1202.7	1202.7	1186.7	1129.9	1114.5	1104.1	1129.3	1070.1	964.1	916.0
85°	1169.4	1173.1	1174.3	1162.6	1106.5	1091.1	1078.8	1102.8	1039.3	937.6	884.6
87.5°	1139.2	1138.6	1138.6	1129.3	1076.3	1064.6	1053.5	1075.7	1017.1	917.9	871.0
90°	1103.4	1104.1	1105.9	1095.4	1042.4	1031.9	1020.2	1046.7	989.4	901.2	858.1
92.5°	1044.3	1046.1	1045.5	1036.9	988.2	979.5	969.1	992.5	939.5	852.5	812.5
95°	944.4	948.1	946.9	940.7	903.1	888.9	879.1	905.6	856.9	779.2	746.5
97.5°	825.4	830.4	829.7	823.0	792.1	786.6	774.9	801.4	760.7	694.7	667.0
100°	671.9	680.6	676.9	672.5	656.5	654.0	650.4	677.5	646.7	594.3	569.6
102.5°	474.7	483.3	479.6	479.0	472.2	481.4	480.8	507.3	486.4	446.3	426.0
105°	290.3	294.7	291.6	287.9	281.7	287.9	281.1	286.6	271.9	243.5	229.9
107.5°	173.2	176.3	174.5	170.8	166.4	167.1	162.7	163.4	154.7	140.5	133.2



REPORT NUMBER: P314602

CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	116.5	117.7	117.1	113.4	111.0	111.6	109.7	109.7	106.6	99.2	94.3
112.5°	85.7	86.3	86.9	83.2	82.0	82.0	82.0	82.0	80.1	75.8	72.1
115°	66.0	66.6	66.6	64.1	62.9	63.5	63.5	64.1	63.5	60.4	57.9
117.5°	53.0	53.0	53.0	51.2	49.9	50.5	50.5	51.2	51.2	49.3	47.5
120°	44.4	45.0	45.0	43.8	42.5	42.5	42.5	42.5	43.2	41.9	40.1
122.5°	40.1	40.1	40.1	38.8	37.6	37.0	37.6	37.6	37.6	37.0	35.8
125°	36.4	36.4	36.4	35.1	33.9	33.3	33.9	33.9	34.5	33.9	32.7
127.5°	30.8	31.4	31.4	30.2	28.4	28.4	29.0	29.6	30.2	30.2	29.0
130°	22.8	23.4	23.4	22.8	21.0	21.0	22.2	22.8	24.0	24.0	22.8
132.5°	15.4	14.8	14.8	14.2	12.9	13.6	14.2	15.4	16.6	16.6	16.0
135°	2.5	1.8	1.8	1.8	1.8	1.8	3.1	3.1	4.3	4.9	4.9
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	0.6	0.6	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.6	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0
170°	0.6	0.6	0.6	0.0	0.6	0.6	0.0	0.6	0.6	0.0	0.0
172.5°	0.0	0.6	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
175°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
177.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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: P314602

CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
2.5°	68.4	66.6	62.3	59.2	54.9	52.4	49.3	46.8	45.6	45.0	45.0
5°	78.9	75.8	70.3	66.6	61.6	58.6	56.1	54.2	53.0	53.0	53.0
7.5°	91.2	86.9	80.1	74.0	69.7	66.6	64.1	61.6	59.8	59.2	58.6
10°	97.4	94.3	88.2	82.6	76.4	72.1	67.8	64.7	62.3	61.6	61.0
12.5°	102.9	99.2	92.5	86.9	80.1	74.6	69.7	65.3	62.3	61.0	60.4
15°	110.3	106.0	98.6	91.2	84.5	77.7	72.1	66.6	62.9	61.6	61.0
17.5°	116.5	112.2	104.2	96.8	88.8	81.4	74.6	68.4	64.1	62.9	62.3
20°	122.1	117.1	108.5	101.1	91.9	83.8	75.8	69.7	64.7	62.9	62.9
22.5°	127.0	122.1	113.4	104.8	94.9	85.7	77.7	70.3	65.3	63.5	62.9
25°	131.3	126.4	117.1	107.9	97.4	87.5	78.9	71.5	66.0	63.5	62.9
27.5°	134.4	129.5	120.2	110.3	99.9	89.4	80.8	72.7	67.2	64.1	64.1
30°	136.2	131.9	122.1	112.2	101.7	91.2	82.0	74.0	68.4	65.3	65.3
32.5°	136.9	132.5	123.3	113.4	103.6	93.1	83.8	75.8	70.3	67.2	67.2
35°	138.1	133.8	125.1	115.3	105.4	95.5	86.3	78.3	72.7	70.3	69.7
37.5°	143.6	139.3	129.5	119.0	108.5	98.6	89.4	81.4	75.8	73.4	73.4
40°	159.7	153.5	140.5	128.8	115.9	104.8	94.3	85.7	80.1	78.3	77.7
42.5°	185.6	179.4	163.4	146.7	130.7	116.5	102.3	91.9	85.7	83.2	83.2
45°	225.0	217.0	195.4	176.3	153.5	134.4	114.0	100.5	93.1	90.0	89.4
47.5°	276.2	266.3	240.4	211.4	183.7	159.0	130.7	111.6	101.7	97.4	96.8
50°	344.6	334.7	299.6	259.5	225.6	188.0	151.0	125.8	111.6	105.4	104.2
52.5°	431.5	421.0	374.8	323.0	279.2	227.5	175.1	141.2	123.3	115.3	114.0
55°	521.5	509.8	453.1	388.4	341.5	271.9	202.8	162.7	138.7	127.0	124.5
57.5°	585.0	572.1	509.2	437.1	392.1	306.4	230.6	183.7	156.6	140.5	139.3
60°	631.2	617.7	550.5	478.4	426.6	332.3	255.2	201.0	173.2	157.8	157.2
62.5°	672.5	661.4	587.5	515.3	453.7	353.8	277.4	221.9	189.2	171.4	166.4
65°	716.9	699.0	620.1	548.0	483.9	378.5	291.0	241.0	203.4	183.7	179.4
67.5°	754.5	735.4	660.8	587.5	512.9	398.2	308.8	258.3	220.7	196.0	194.8
70°	801.4	779.8	690.4	617.7	540.0	423.5	326.7	268.8	230.6	206.5	199.1
72.5°	828.5	805.7	720.0	648.5	559.7	444.5	339.0	273.7	237.3	211.4	204.0
75°	859.3	834.7	735.4	671.3	579.5	460.5	350.1	281.1	242.3	213.3	206.5
77.5°	872.9	847.0	759.5	687.3	596.7	470.3	358.2	287.9	242.9	213.3	211.4
78°	872.9	845.8	755.1	689.8	595.5	471.0	359.4	290.3	243.5	211.4	209.6
80°	867.3	840.2	748.4	688.6	591.2	469.7	360.6	294.7	241.0	209.0	210.2
82.5°	868.6	845.1	745.9	684.9	589.3	469.1	357.5	290.3	236.7	204.0	205.9
85°	836.5	814.3	725.6	667.0	572.7	463.0	353.2	284.8	234.2	200.3	202.2
87.5°	827.3	804.5	709.5	655.3	557.9	450.6	346.4	280.5	228.7	196.0	198.5
90°	810.0	787.8	690.4	635.6	541.9	434.6	330.4	267.5	220.1	188.0	189.2
92.5°	765.6	745.3	652.8	601.0	512.9	414.9	314.4	254.0	207.7	178.8	178.8
95°	708.9	691.0	604.1	558.5	475.3	381.6	289.1	233.6	189.9	164.0	162.7
97.5°	630.6	614.0	538.2	495.6	424.1	338.4	252.7	202.8	164.0	138.7	138.7
100°	529.5	522.7	453.1	415.5	352.6	276.8	207.7	162.7	132.5	111.0	109.1
102.5°	395.8	381.6	324.9	294.0	249.0	192.3	142.4	112.8	94.9	80.1	77.1
105°	206.5	209.6	174.5	160.3	137.5	111.0	86.3	70.3	59.8	52.4	49.9
107.5°	123.3	120.2	105.4	96.2	83.8	68.4	54.9	45.6	39.5	35.1	33.9



REPORT NUMBER: P314602

CATALOG NUMBER: MPW-A4-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	88.2	86.9	75.8	68.4	59.8	48.7	38.8	32.7	28.4	25.3	24.7
112.5°	67.8	66.6	58.6	52.4	45.0	36.4	29.0	24.0	21.0	18.5	18.5
115°	54.9	53.6	47.5	41.3	35.1	28.4	22.8	18.5	16.0	14.2	14.2
117.5°	45.0	43.8	38.2	33.9	28.4	22.8	17.9	14.8	12.3	11.1	11.1
120°	38.2	37.0	32.7	28.4	23.4	19.1	14.8	11.7	10.5	9.2	9.2
122.5°	34.5	32.7	29.0	24.7	20.3	16.0	12.3	9.9	8.6	7.4	7.4
125°	31.4	30.2	26.5	22.2	17.3	14.2	10.5	8.0	6.8	6.2	5.5
127.5°	27.7	26.5	22.8	18.5	14.2	11.1	8.0	6.2	4.3	3.7	3.7
130°	22.2	20.3	17.3	13.6	9.9	7.4	5.5	3.7	2.5	2.5	1.8
132.5°	15.4	14.2	11.7	8.6	5.5	3.7	2.5	1.8	0.6	0.6	0.6
135°	4.9	4.3	2.5	2.5	0.6	0.6	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)