

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: P314580

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314580
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-A6-D-U-SYM-7027
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 2700K LIGHT ENGINE. SYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6072 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type I - Short - Non-Cutoff
BUG Rating: B2 - U5 - G4

Input Watts (W): 64.1
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

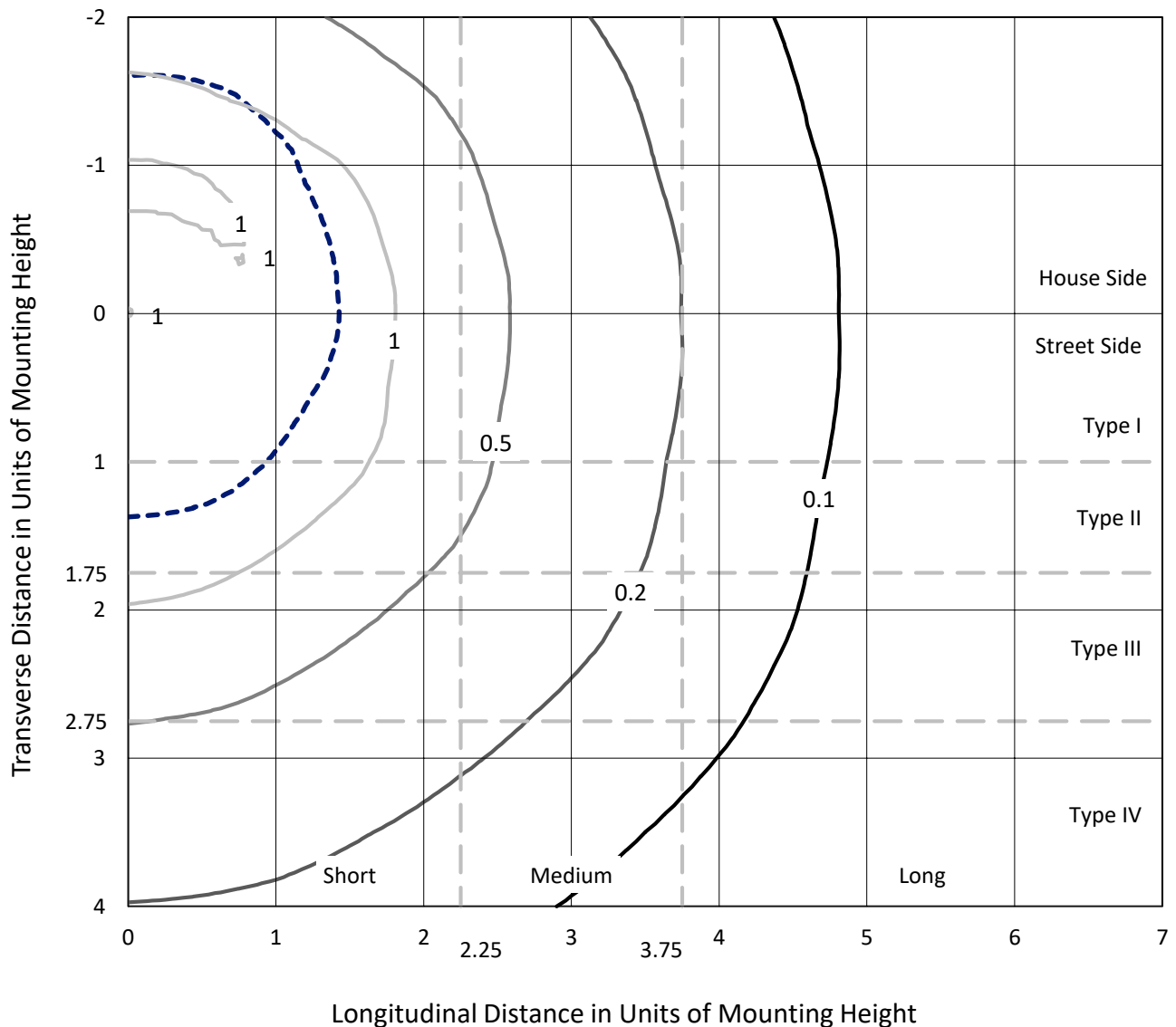


REPORT NUMBER: P314580

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

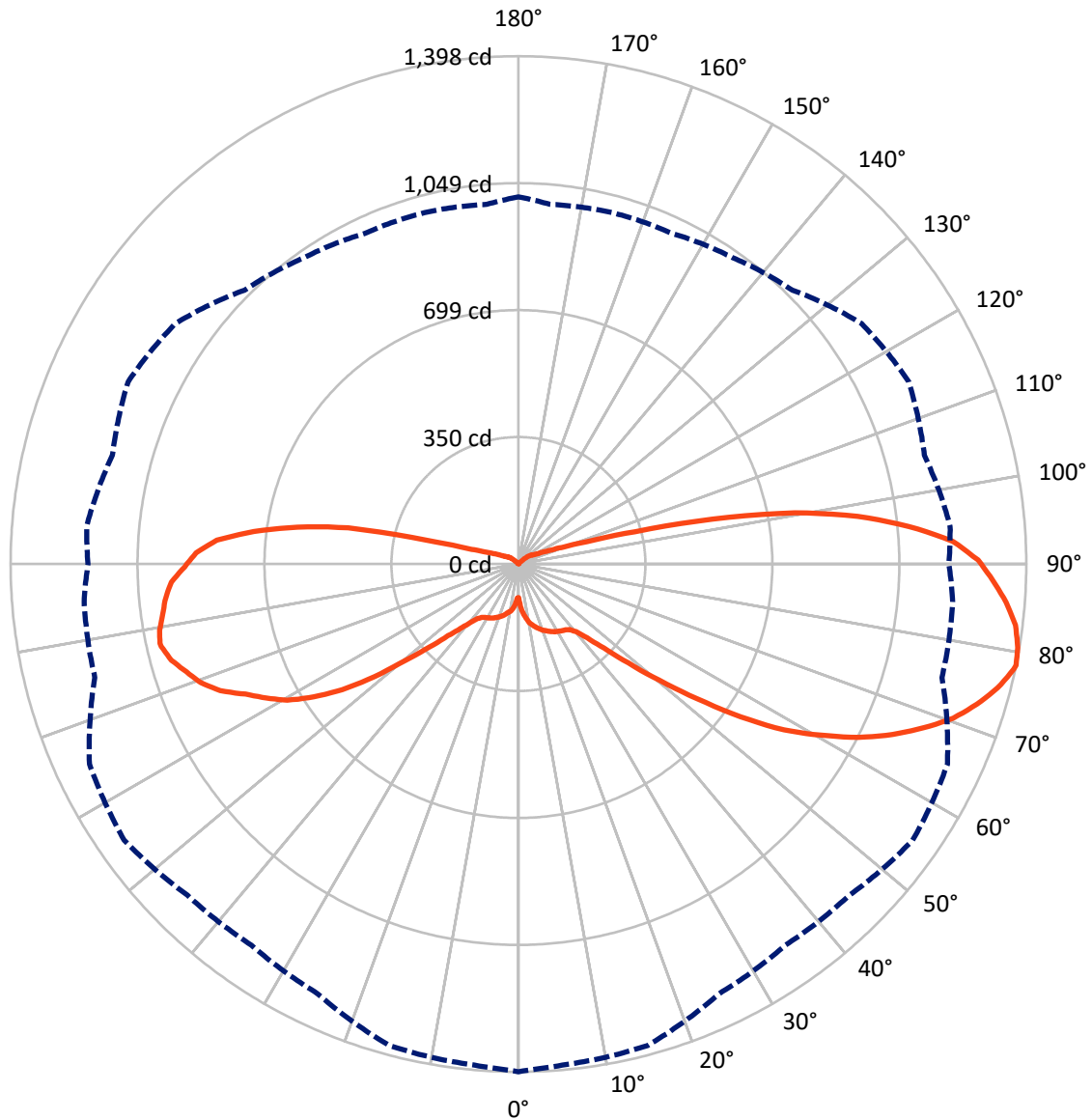


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type I - Short - Non-Cutoff

REPORT NUMBER: P314580

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

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 78-Deg Vertical



REPORT NUMBER: P314580

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

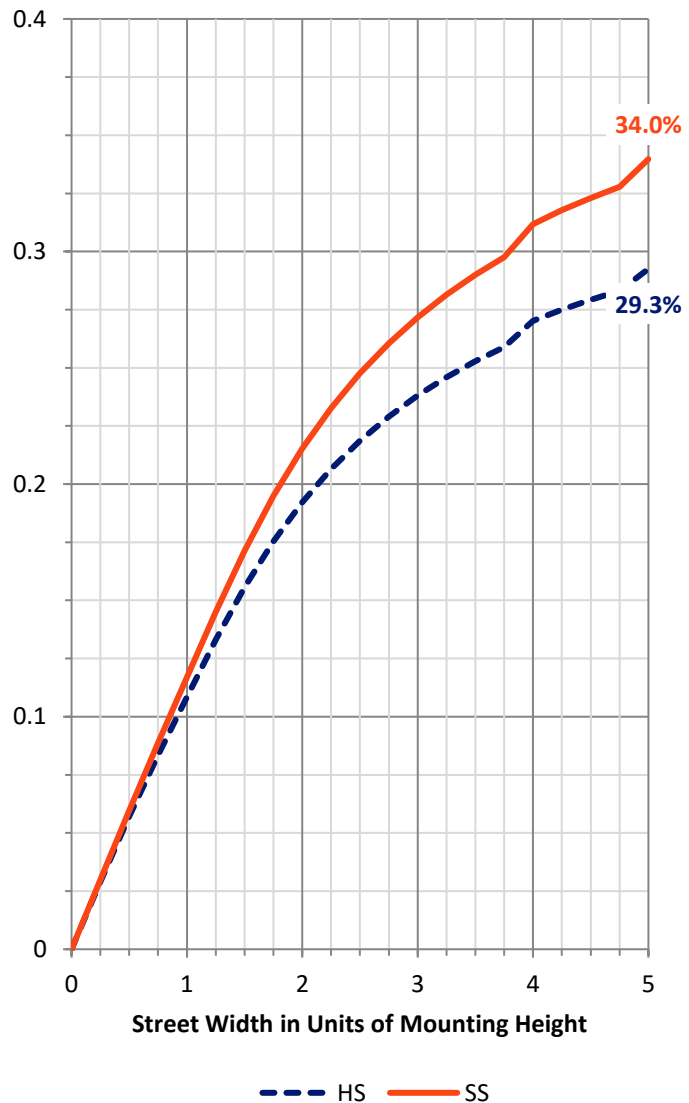
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2095.8	698.0	2793.8
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	2473.7	804.5	3278.2
	% Fixture	40.7	13.2	54.0
Total	Lumens	4569.5	1502.5	6072.0
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.2
10°-20°	46.0	0.8
20°-30°	86.2	1.4
30°-40°	129.1	2.1
40°-50°	253.1	4.2
50°-60°	605.6	10.0
60°-70°	964.0	15.9
70°-80°	1222.1	20.1
80°-90°	1251.0	20.6
90°-100°	1018.9	16.8
100°-110°	368.0	6.1
110°-120°	75.1	1.2
120°-130°	33.8	0.6
130°-140°	6.8	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°	4569.5	75.3
0°-180°	6072.0	100.0



REPORT NUMBER: P314580

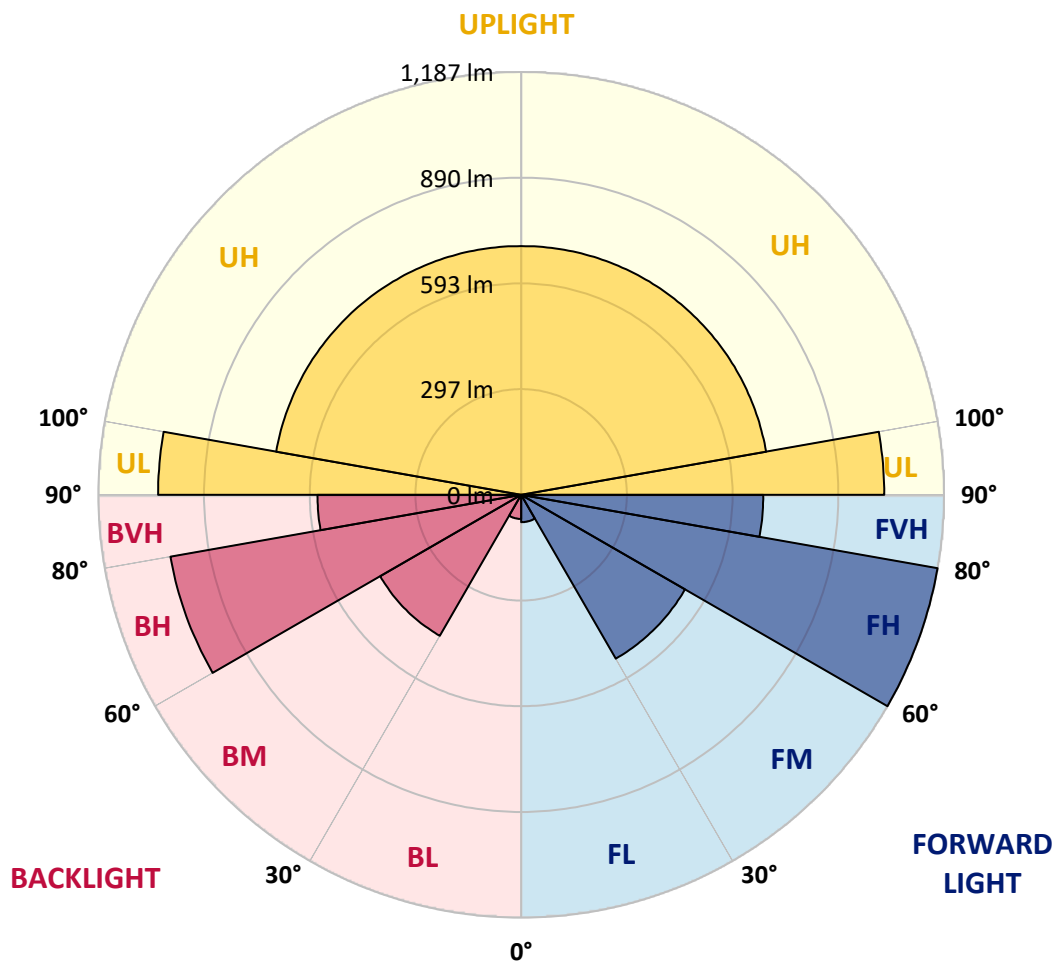
CATALOG NUMBER: MPW-A6-D-U-SYM-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.9	1.3			
FM (30°-60°)	530.9	8.7			
FH (60°-80°)	1186.6	19.5			G1/1800
FVH (80°-90°)	679.3	11.2			G4/750
BL (0°-30°)	67.7	1.1	B0/110		
BM (30°-60°)	456.8	7.5	B1/1000		
BH (60°-80°)	999.5	16.5	B2/1000		G2/1000
BVH (80°-90°)	571.7	9.4			G4/750
UL (90°-100°)	1018.9	16.8		U5	
UH (100°-180°)	698.0	11.5		U4/1000	

BUG Rating: B2-U5-G4

Type I Short





REPORT NUMBER: P314580

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	118.0	117.1	116.2	114.5	115.3	114.5	112.7	110.1	107.4	104.8	103.0
5°	136.5	135.6	135.6	135.6	135.6	135.6	134.7	132.1	128.6	125.0	120.6
7.5°	150.6	149.7	149.7	150.6	150.6	149.7	147.9	146.2	143.5	141.8	138.2
10°	163.8	162.9	162.9	162.9	162.0	160.3	158.5	155.8	152.3	150.6	147.9
12.5°	172.6	171.7	171.7	170.8	169.9	168.2	164.7	161.1	159.4	156.7	154.1
15°	180.5	179.6	179.6	177.9	177.0	175.2	171.7	169.1	166.4	164.7	162.9
17.5°	187.5	187.5	186.7	184.9	184.0	182.3	179.6	176.1	173.5	171.7	169.1
20°	194.6	193.7	193.7	191.9	190.2	188.4	185.8	183.1	181.4	178.7	176.1
22.5°	199.9	199.9	199.0	198.1	196.4	195.5	191.9	190.2	187.5	185.8	183.1
25°	206.0	206.0	206.0	204.3	202.5	201.6	198.1	196.4	194.6	191.9	188.4
27.5°	211.3	210.4	211.3	209.6	206.9	206.0	202.5	199.9	198.1	196.4	192.8
30°	214.8	214.8	214.0	213.1	210.4	208.7	206.0	203.4	201.6	199.0	196.4
32.5°	219.2	217.5	219.2	215.7	214.0	211.3	208.7	205.2	203.4	200.8	198.1
35°	222.8	221.9	221.9	221.0	217.5	215.7	212.2	209.6	206.9	204.3	201.6
37.5°	228.9	228.9	228.9	227.2	225.4	226.3	223.6	220.1	217.5	214.0	209.6
40°	244.8	244.8	244.8	244.8	243.9	246.5	245.7	244.8	243.9	238.6	231.6
42.5°	277.4	278.2	277.4	277.4	278.2	283.5	284.4	286.2	283.5	275.6	265.9
45°	330.2	331.9	330.2	332.8	334.6	341.6	340.8	342.5	339.0	331.9	316.1
47.5°	406.8	409.4	410.3	405.0	405.9	413.0	417.4	419.1	415.6	399.7	385.7
50°	502.8	505.4	505.4	501.0	496.6	505.4	511.6	515.1	516.9	490.4	474.6
52.5°	615.5	619.0	618.1	612.8	604.0	622.5	627.8	644.5	640.1	600.5	582.9
55°	743.1	746.7	745.8	735.2	721.1	729.1	744.9	764.3	759.0	710.6	698.2
57.5°	862.0	863.8	863.8	850.6	833.8	828.6	839.1	862.0	853.2	796.9	786.3
60°	957.1	958.9	959.7	939.5	919.2	907.8	916.6	942.1	933.3	868.2	857.6
62.5°	1051.3	1044.3	1037.2	1020.5	992.3	979.1	980.9	1014.3	996.7	925.4	917.5
65°	1132.3	1129.7	1113.0	1095.3	1064.5	1049.6	1049.6	1084.8	1067.2	991.4	980.9
67.5°	1203.6	1203.6	1184.3	1167.5	1126.2	1108.6	1105.0	1147.3	1125.3	1047.8	1034.6
70°	1270.6	1268.8	1246.8	1235.3	1184.3	1158.7	1163.1	1206.3	1186.9	1105.0	1095.3
72.5°	1319.9	1319.9	1304.0	1293.5	1230.9	1207.2	1208.9	1254.7	1232.7	1146.4	1133.2
75°	1363.0	1359.5	1350.7	1341.0	1275.8	1248.6	1253.0	1297.9	1275.0	1187.8	1182.5
77.5°	1393.8	1391.2	1383.3	1372.7	1301.4	1276.7	1283.8	1324.3	1304.0	1204.5	1197.5
78°	1398.2	1393.8	1385.0	1372.7	1305.8	1281.1	1289.1	1325.2	1303.1	1207.2	1200.1
80°	1393.8	1390.3	1380.6	1367.4	1308.4	1279.4	1283.8	1315.5	1292.6	1202.8	1193.1
82.5°	1378.9	1376.2	1367.4	1351.6	1292.6	1267.9	1272.3	1302.3	1282.0	1188.7	1193.1
85°	1347.2	1341.0	1334.0	1318.1	1267.0	1238.9	1242.4	1271.4	1248.6	1157.0	1154.3
87.5°	1307.5	1303.1	1297.9	1282.0	1234.5	1209.8	1210.7	1239.7	1217.7	1132.3	1132.3
90°	1265.3	1260.0	1255.6	1240.6	1194.0	1170.2	1171.1	1203.6	1186.0	1107.7	1112.1
92.5°	1197.5	1193.1	1188.7	1171.9	1129.7	1106.8	1110.3	1142.0	1124.4	1047.8	1053.1
95°	1080.4	1076.9	1077.7	1065.4	1027.5	1006.4	1007.3	1039.0	1022.3	955.3	969.4
97.5°	943.0	941.3	936.0	931.6	898.1	884.9	881.4	915.7	907.8	849.7	864.7
100°	773.1	769.6	763.4	761.6	740.5	735.2	737.9	770.4	766.0	715.8	730.8
102.5°	547.7	546.8	552.1	542.4	533.6	535.3	545.9	573.2	568.8	525.7	535.3
105°	332.8	333.7	329.3	326.7	319.6	318.7	320.5	328.4	318.7	289.7	291.4
107.5°	198.1	199.0	199.9	193.7	188.4	186.7	185.8	188.4	183.1	171.7	171.7



REPORT NUMBER: P314580

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

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	134.7	134.7	135.6	132.1	127.7	127.7	126.8	129.4	127.7	121.5	121.5
112.5°	98.6	99.5	98.6	96.9	94.2	95.1	95.1	96.9	96.9	93.3	93.3
115°	76.6	76.6	76.6	74.8	73.1	73.1	74.0	75.7	76.6	74.8	74.8
117.5°	60.8	60.8	60.8	59.9	58.1	58.1	59.0	59.9	61.6	60.8	60.8
120°	51.1	51.1	51.1	50.2	49.3	49.3	50.2	51.1	51.9	51.1	51.1
122.5°	45.8	45.8	45.8	44.9	44.0	44.0	44.0	44.9	45.8	45.8	45.8
125°	41.4	41.4	41.4	41.4	39.6	38.7	39.6	40.5	41.4	42.3	42.3
127.5°	34.3	34.3	35.2	34.3	33.5	33.5	34.3	34.3	36.1	37.0	37.0
130°	25.5	25.5	26.4	26.4	25.5	24.7	25.5	26.4	28.2	29.1	28.2
132.5°	15.8	16.7	16.7	16.7	15.8	15.8	16.7	17.6	19.4	20.3	19.4
135°	1.8	1.8	2.6	1.8	2.6	2.6	2.6	3.5	5.3	6.2	6.2
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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	0.9	0.0	0.9	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: P314580

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	102.1	103.0	101.3	100.4	99.5	98.6	97.7	96.0	95.1	95.1	94.2
5°	119.7	118.9	117.1	114.5	113.6	112.7	111.8	110.9	110.9	110.9	110.9
7.5°	136.5	134.7	130.3	127.7	126.8	127.7	125.9	125.0	124.2	123.3	123.3
10°	146.2	144.4	141.8	139.1	137.4	137.4	136.5	134.7	133.0	132.1	132.1
12.5°	152.3	150.6	148.8	146.2	144.4	143.5	142.6	140.0	137.4	137.4	136.5
15°	161.1	159.4	156.7	154.1	152.3	150.6	149.7	146.2	143.5	142.6	142.6
17.5°	168.2	166.4	164.7	162.0	159.4	156.7	155.0	152.3	149.7	148.8	148.8
20°	175.2	173.5	170.8	169.1	165.5	162.9	161.1	158.5	155.8	155.0	154.1
22.5°	182.3	180.5	177.9	176.1	172.6	169.1	166.4	163.8	160.3	159.4	158.5
25°	187.5	185.8	184.0	181.4	177.9	174.3	170.8	167.3	165.5	163.8	162.9
27.5°	191.9	191.1	189.3	186.7	182.3	178.7	175.2	171.7	169.1	167.3	167.3
30°	195.5	194.6	192.8	190.2	186.7	183.1	179.6	176.1	172.6	170.8	169.9
32.5°	198.1	196.4	195.5	192.8	190.2	186.7	183.1	179.6	176.1	174.3	173.5
35°	200.8	199.9	198.1	196.4	192.8	190.2	186.7	184.0	180.5	179.6	178.7
37.5°	208.7	207.8	206.0	202.5	199.9	197.2	194.6	191.9	190.2	189.3	188.4
40°	231.6	228.0	224.5	221.0	215.7	212.2	209.6	208.7	207.8	207.8	208.7
42.5°	262.4	260.6	258.0	251.8	244.8	239.5	236.9	237.7	236.9	236.9	238.6
45°	311.7	308.2	304.7	299.4	287.0	278.2	275.6	273.8	275.6	274.7	276.5
47.5°	376.0	378.6	366.3	360.1	346.9	333.7	331.9	326.7	330.2	331.9	334.6
50°	464.9	467.5	456.1	443.8	428.8	406.8	403.3	397.1	399.7	407.7	406.8
52.5°	577.6	578.5	567.0	554.7	536.2	505.4	501.0	494.0	491.3	502.8	503.6
55°	694.7	699.1	681.5	672.7	654.2	611.1	597.0	585.5	586.4	598.7	596.1
57.5°	786.3	788.0	772.2	767.8	747.5	694.7	678.9	655.1	663.0	671.8	671.8
60°	855.8	857.6	838.2	840.9	825.0	757.2	743.1	716.7	722.9	729.1	738.7
62.5°	915.7	921.9	895.5	900.8	886.7	811.8	791.6	771.3	778.4	779.2	785.4
65°	978.2	979.1	951.8	958.9	940.4	867.3	835.6	816.2	825.9	824.1	832.1
67.5°	1031.9	1033.7	1004.7	1020.5	998.5	921.0	890.2	868.2	876.1	869.9	891.9
70°	1087.4	1092.7	1051.3	1066.3	1047.8	965.0	930.7	909.6	912.2	905.2	933.3
72.5°	1121.8	1133.2	1099.7	1118.2	1091.8	1005.5	973.8	955.3	949.2	941.3	960.6
75°	1161.4	1172.8	1127.9	1154.3	1131.4	1044.3	1010.8	994.1	980.9	976.5	991.4
77.5°	1183.4	1195.7	1163.1	1182.5	1152.6	1063.6	1025.8	1000.2	996.7	992.3	1009.1
78°	1185.2	1193.1	1157.0	1186.0	1153.5	1066.3	1029.3	1003.8	1001.1	994.1	1010.8
80°	1179.0	1186.0	1152.6	1179.0	1148.2	1061.0	1025.8	992.3	994.1	984.4	1004.7
82.5°	1175.5	1183.4	1149.9	1167.5	1145.5	1054.0	1024.9	985.3	985.3	969.4	988.8
85°	1137.6	1147.3	1120.0	1141.1	1118.2	1031.1	1006.4	964.1	964.1	951.8	975.6
87.5°	1117.4	1127.0	1093.6	1122.6	1094.5	1004.7	985.3	950.1	947.4	934.2	957.1
90°	1092.7	1104.1	1069.8	1083.9	1061.9	976.5	955.3	915.7	912.2	898.1	919.2
92.5°	1033.7	1044.3	1011.7	1032.8	1012.6	936.0	914.8	883.1	877.0	867.3	887.5
95°	953.6	965.9	940.4	962.4	941.3	872.6	856.7	833.0	826.8	820.6	833.0
97.5°	849.7	855.0	836.5	856.7	838.2	778.4	765.2	741.4	730.8	729.1	733.5
100°	717.6	721.1	700.0	715.8	702.6	648.9	641.9	630.4	616.4	614.6	616.4
102.5°	532.7	517.7	501.0	494.8	493.1	452.6	457.0	463.1	457.0	464.0	479.0
105°	288.8	280.0	273.8	268.6	272.1	249.2	253.6	254.5	249.2	252.7	258.0
107.5°	169.9	167.3	164.7	162.0	156.7	148.8	147.0	140.9	140.9	140.9	142.6



REPORT NUMBER: P314580

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	120.6	119.7	117.1	116.2	111.8	106.5	105.7	103.0	101.3	101.3	103.0
112.5°	92.5	91.6	89.8	88.9	87.2	81.0	80.1	79.2	79.2	79.2	80.1
115°	74.0	73.1	72.2	70.4	67.8	63.4	64.3	62.5	62.5	63.4	63.4
117.5°	59.9	59.0	59.0	57.2	54.6	51.9	51.9	51.1	51.1	51.1	51.9
120°	51.1	50.2	49.3	48.4	45.8	43.1	43.1	42.3	43.1	43.1	43.1
122.5°	45.8	44.9	44.0	43.1	40.5	37.9	37.9	37.0	37.9	37.9	37.9
125°	41.4	40.5	39.6	37.9	35.2	33.5	33.5	33.5	33.5	33.5	33.5
127.5°	36.1	35.2	33.5	31.7	29.9	28.2	28.2	28.2	29.1	29.1	29.1
130°	28.2	26.4	25.5	23.8	22.0	20.3	21.1	22.0	22.9	22.9	22.9
132.5°	19.4	18.5	16.7	15.0	13.2	13.2	13.2	15.0	15.8	15.8	15.8
135°	5.3	5.3	5.3	4.4	4.4	4.4	5.3	7.0	7.0	7.9	7.9
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	0.0	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	0.9	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	0.9	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)