

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: P314585

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314585
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-A5-D-U-SYM-7030
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 3000K LIGHT ENGINE. SYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5227 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type I - Short - Non-Cutoff
BUG Rating: B2 - U4 - G4

Input Watts (W): 50.6
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

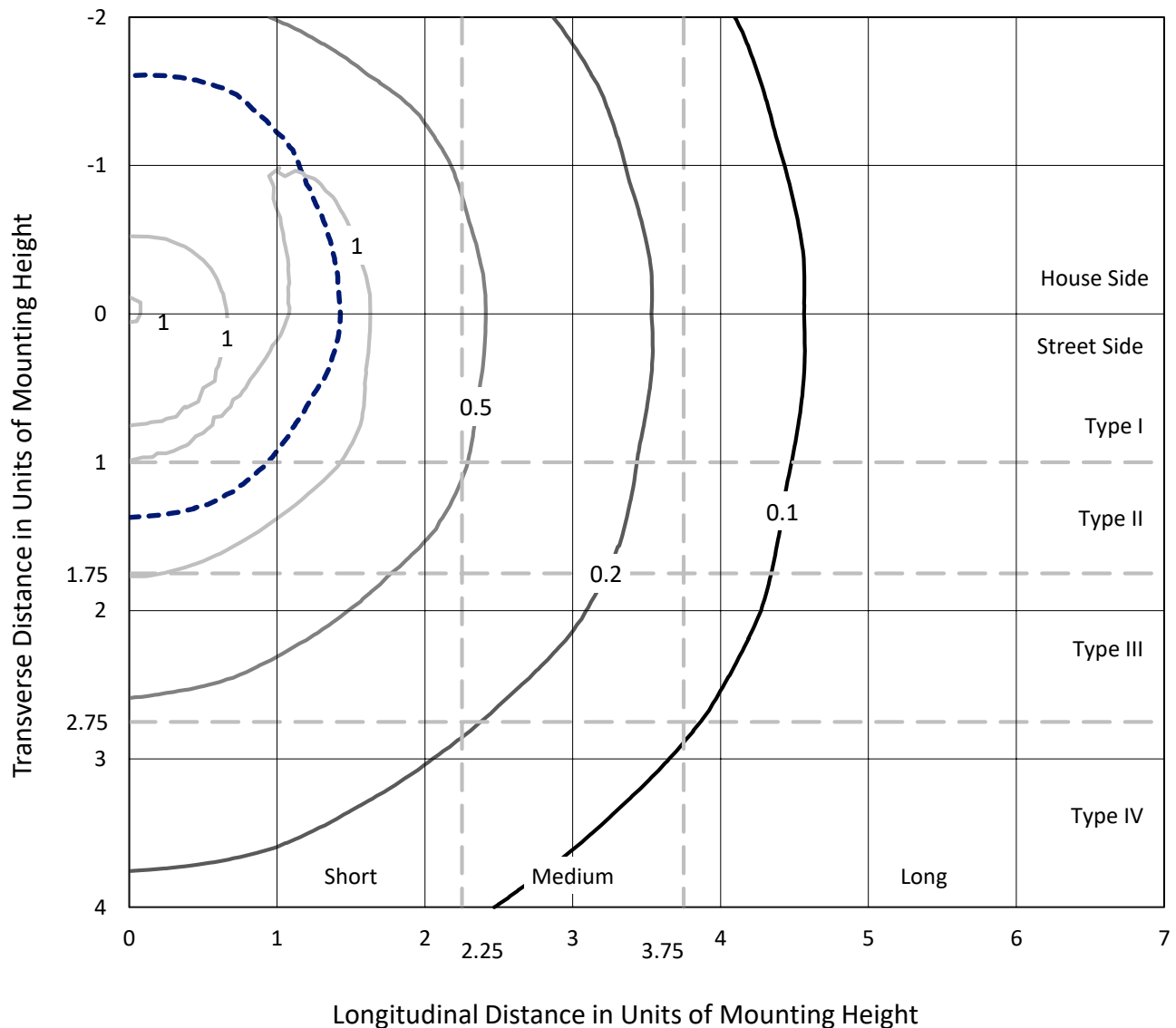


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

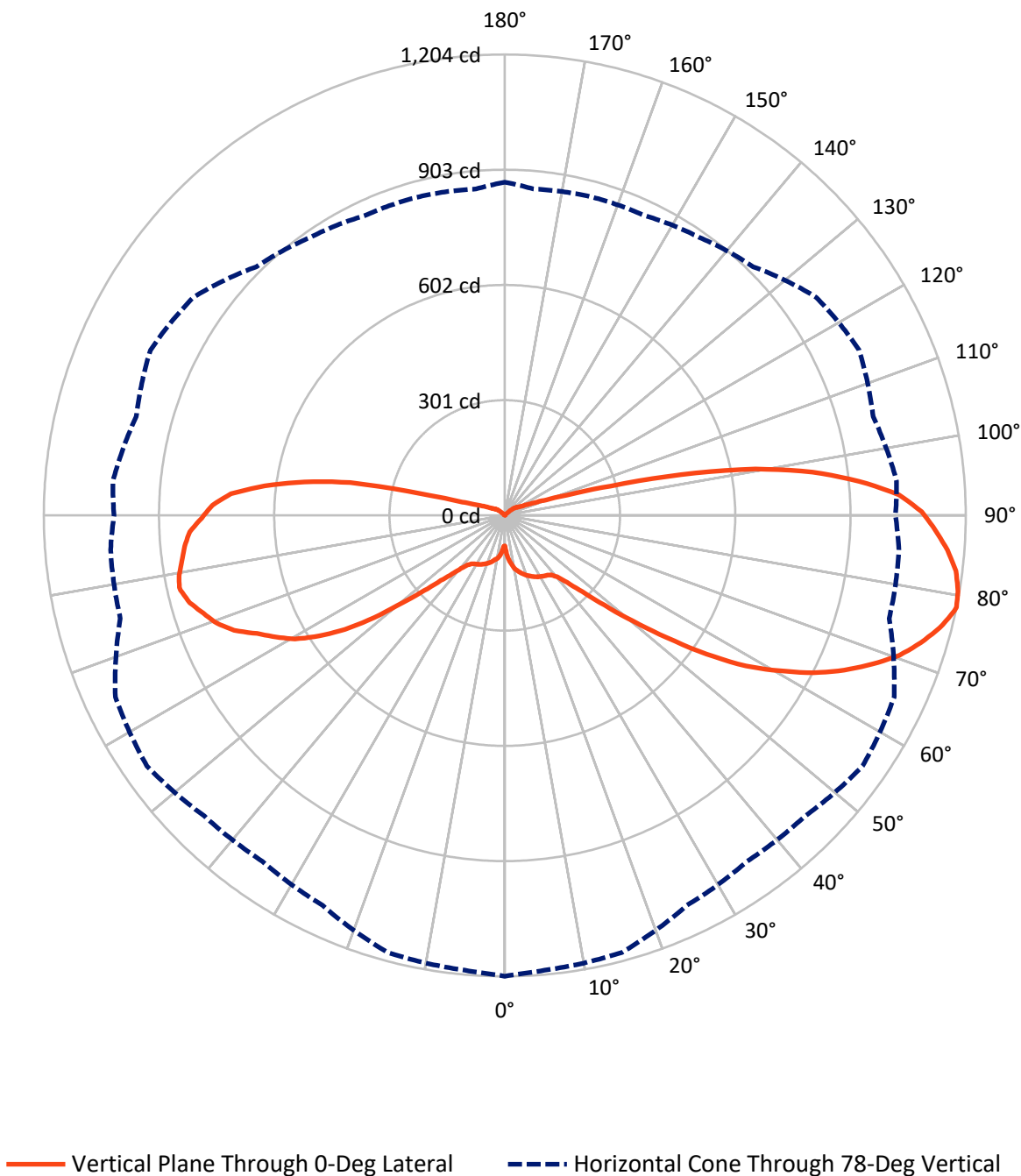


Based on 10 foot mounting height. Maximum calculated value = 1.4 fc
Type I - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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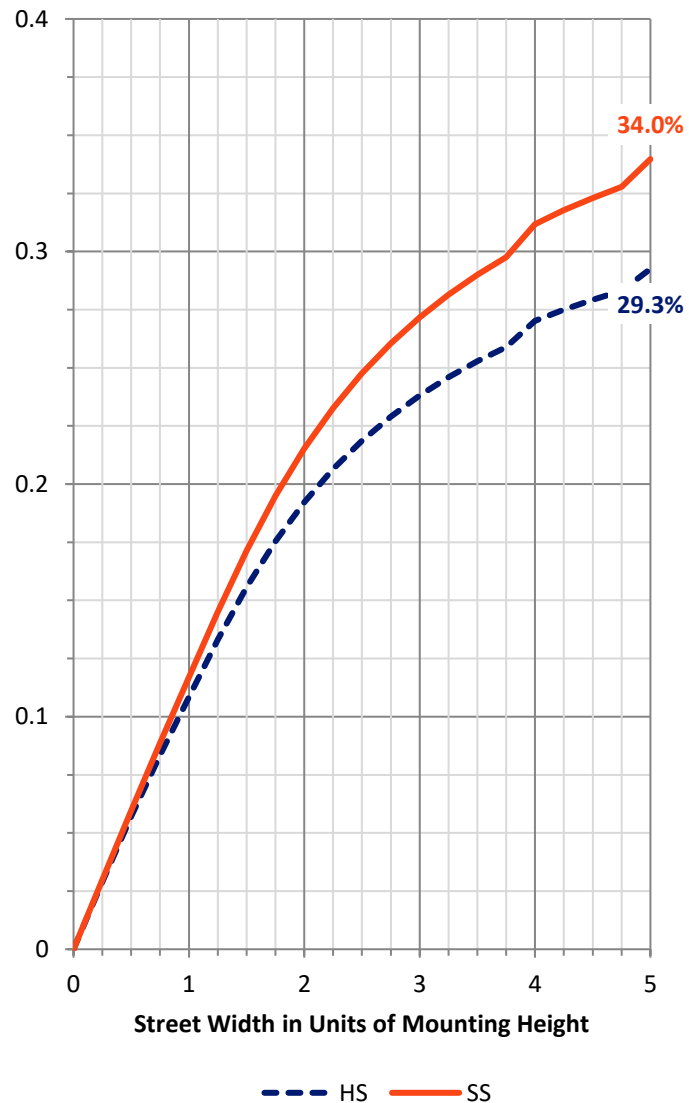
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1804.1	600.9	2405.0
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	2129.4	692.5	2821.9
	% Fixture	40.7	13.2	54.0
Total	Lumens	3933.6	1293.4	5227.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.2
10°-20°	39.6	0.8
20°-30°	74.2	1.4
30°-40°	111.1	2.1
40°-50°	217.8	4.2
50°-60°	521.3	10.0
60°-70°	829.9	15.9
70°-80°	1052.0	20.1
80°-90°	1076.9	20.6
90°-100°	877.1	16.8
100°-110°	316.8	6.1
110°-120°	64.6	1.2
120°-130°	29.1	0.6
130°-140°	5.8	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°	3933.6	75.3
0°-180°	5227.0	100.0

Coefficient of Utilization



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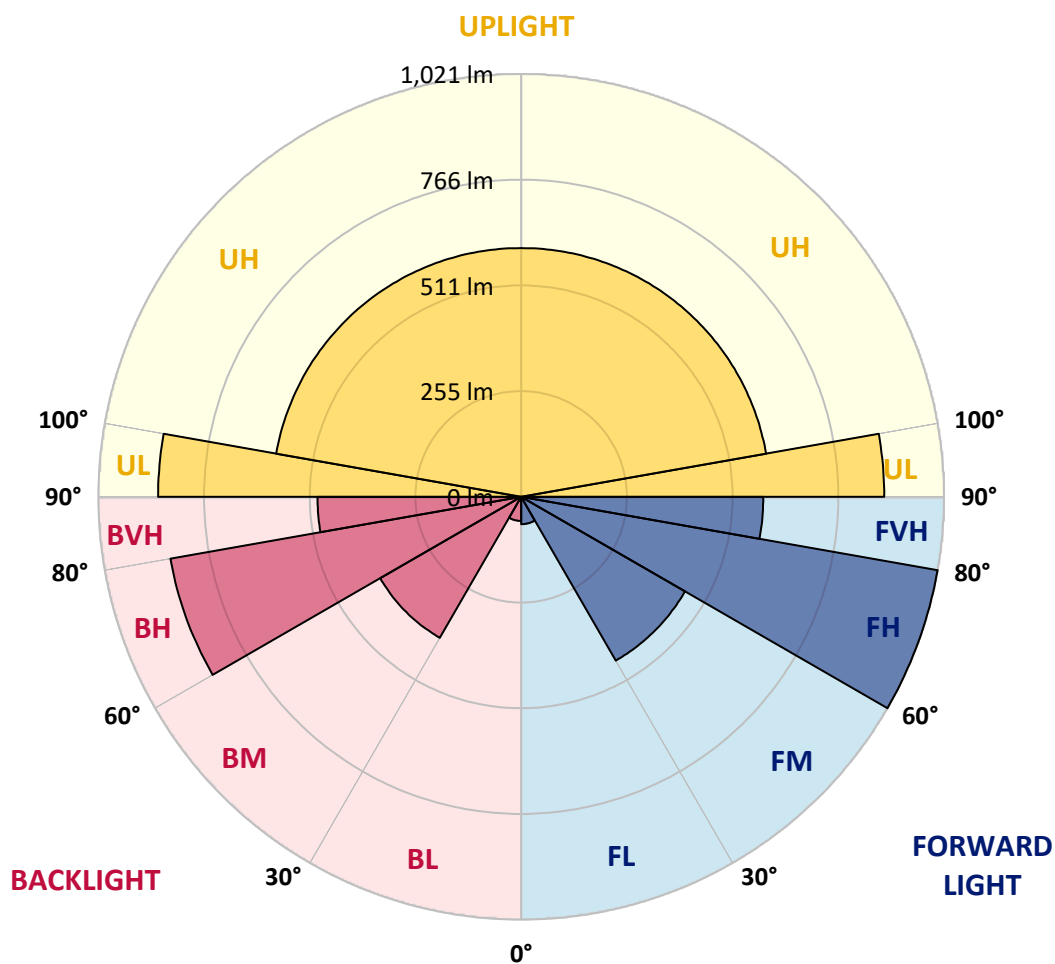
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.2	1.3			
FM	(30°-60°)	457.0	8.7			
FH	(60°-80°)	1021.5	19.5			G1/1800
FVH	(80°-90°)	584.8	11.2			G4/750
BL	(0°-30°)	58.3	1.1	B0/110		
BM	(30°-60°)	393.2	7.5	B1/1000		
BH	(60°-80°)	860.4	16.5	B2/1000		G2/1000
BVH	(80°-90°)	492.2	9.4			G3/500
UL	(90°-100°)	877.1	16.8		U4/1000	
UH	(100°-180°)	600.9	11.5		U4/1000	

BUG Rating: B2-U4-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	101.6	100.8	100.1	98.5	99.3	98.5	97.0	94.7	92.5	90.2	88.7
5°	117.5	116.7	116.7	116.7	116.7	116.7	116.0	113.7	110.7	107.6	103.8
7.5°	129.6	128.9	128.9	129.6	129.6	128.9	127.3	125.8	123.5	122.0	119.0
10°	141.0	140.2	140.2	140.2	139.5	138.0	136.4	134.2	131.1	129.6	127.3
12.5°	148.6	147.8	147.8	147.0	146.3	144.8	141.7	138.7	137.2	134.9	132.6
15°	155.4	154.6	154.6	153.1	152.4	150.8	147.8	145.5	143.3	141.7	140.2
17.5°	161.4	161.4	160.7	159.2	158.4	156.9	154.6	151.6	149.3	147.8	145.5
20°	167.5	166.8	166.8	165.2	163.7	162.2	159.9	157.7	156.1	153.9	151.6
22.5°	172.1	172.1	171.3	170.5	169.0	168.3	165.2	163.7	161.4	159.9	157.7
25°	177.4	177.4	177.4	175.8	174.3	173.6	170.5	169.0	167.5	165.2	162.2
27.5°	181.9	181.2	181.9	180.4	178.1	177.4	174.3	172.1	170.5	169.0	166.0
30°	184.9	184.9	184.2	183.4	181.2	179.6	177.4	175.1	173.6	171.3	169.0
32.5°	188.7	187.2	188.7	185.7	184.2	181.9	179.6	176.6	175.1	172.8	170.5
35°	191.8	191.0	191.0	190.2	187.2	185.7	182.7	180.4	178.1	175.8	173.6
37.5°	197.1	197.1	197.1	195.6	194.0	194.8	192.5	189.5	187.2	184.2	180.4
40°	210.7	210.7	210.7	210.7	210.0	212.2	211.5	210.7	210.0	205.4	199.3
42.5°	238.8	239.5	238.8	238.8	239.5	244.1	244.8	246.3	244.1	237.2	228.9
45°	284.2	285.8	284.2	286.5	288.0	294.1	293.3	294.8	291.8	285.8	272.1
47.5°	350.2	352.5	353.2	348.7	349.4	355.5	359.3	360.8	357.8	344.1	332.0
50°	432.8	435.1	435.1	431.3	427.5	435.1	440.4	443.4	444.9	422.2	408.5
52.5°	529.8	532.9	532.1	527.5	520.0	535.9	540.4	554.8	551.0	516.9	501.8
55°	639.7	642.8	642.0	632.9	620.8	627.6	641.2	657.9	653.4	611.7	601.1
57.5°	742.1	743.6	743.6	732.2	717.8	713.2	722.3	742.1	734.5	686.0	676.9
60°	823.9	825.4	826.2	808.8	791.3	781.5	789.0	811.0	803.4	747.4	738.3
62.5°	905.0	898.9	892.9	878.5	854.2	842.9	844.4	873.2	858.0	796.6	789.8
65°	974.7	972.5	958.1	942.9	916.4	903.5	903.5	933.8	918.7	853.5	844.4
67.5°	1036.1	1036.1	1019.5	1005.1	969.4	954.3	951.2	987.6	968.7	902.0	890.6
70°	1093.7	1092.2	1073.3	1063.4	1019.5	997.5	1001.3	1038.4	1021.7	951.2	942.9
72.5°	1136.2	1136.2	1122.6	1113.5	1059.6	1039.2	1040.7	1080.1	1061.2	986.9	975.5
75°	1173.3	1170.3	1162.7	1154.4	1098.3	1074.8	1078.6	1117.2	1097.5	1022.5	1018.0
77.5°	1199.9	1197.6	1190.8	1181.7	1120.3	1099.1	1105.1	1140.0	1122.6	1036.9	1030.8
78°	1203.7	1199.9	1192.3	1181.7	1124.1	1102.8	1109.7	1140.7	1121.8	1039.2	1033.1
80°	1199.9	1196.8	1188.5	1177.1	1126.3	1101.3	1105.1	1132.4	1112.7	1035.4	1027.0
82.5°	1187.0	1184.7	1177.1	1163.5	1112.7	1091.5	1095.3	1121.0	1103.6	1023.3	1027.0
85°	1159.7	1154.4	1148.3	1134.7	1090.7	1066.5	1069.5	1094.5	1074.8	996.0	993.7
87.5°	1125.6	1121.8	1117.2	1103.6	1062.7	1041.4	1042.2	1067.2	1048.3	974.7	974.7
90°	1089.2	1084.7	1080.9	1068.0	1027.8	1007.3	1008.1	1036.1	1021.0	953.5	957.3
92.5°	1030.8	1027.0	1023.3	1008.9	972.5	952.8	955.8	983.1	967.9	902.0	906.5
95°	930.0	927.0	927.8	917.1	884.5	866.4	867.1	894.4	880.0	822.4	834.5
97.5°	811.8	810.3	805.7	801.9	773.1	761.8	758.7	788.3	781.5	731.4	744.3
100°	665.5	662.5	657.2	655.6	637.5	632.9	635.2	663.2	659.4	616.2	629.1
102.5°	471.5	470.7	475.2	466.9	459.3	460.8	469.9	493.4	489.6	452.5	460.8
105°	286.5	287.3	283.5	281.2	275.1	274.4	275.9	282.7	274.4	249.4	250.9
107.5°	170.5	171.3	172.1	166.8	162.2	160.7	159.9	162.2	157.7	147.8	147.8



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	116.0	116.0	116.7	113.7	109.9	109.9	109.1	111.4	109.9	104.6	104.6
112.5°	84.9	85.7	84.9	83.4	81.1	81.9	81.9	83.4	83.4	80.3	80.3
115°	65.9	65.9	65.9	64.4	62.9	62.9	63.7	65.2	65.9	64.4	64.4
117.5°	52.3	52.3	52.3	51.5	50.0	50.0	50.8	51.5	53.1	52.3	52.3
120°	44.0	44.0	44.0	43.2	42.4	42.4	43.2	44.0	44.7	44.0	44.0
122.5°	39.4	39.4	39.4	38.7	37.9	37.9	37.9	38.7	39.4	39.4	39.4
125°	35.6	35.6	35.6	35.6	34.1	33.4	34.1	34.9	35.6	36.4	36.4
127.5°	29.6	29.6	30.3	29.6	28.8	28.8	29.6	29.6	31.1	31.8	31.8
130°	22.0	22.0	22.7	22.7	22.0	21.2	22.0	22.7	24.3	25.0	24.3
132.5°	13.6	14.4	14.4	14.4	13.6	13.6	14.4	15.2	16.7	17.4	16.7
135°	1.5	1.5	2.3	1.5	2.3	2.3	2.3	3.0	4.5	5.3	5.3
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	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.8	0.8	0.8	0.0	0.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	87.9	88.7	87.2	86.4	85.7	84.9	84.1	82.6	81.9	81.9	81.1
5°	103.1	102.3	100.8	98.5	97.8	97.0	96.3	95.5	95.5	95.5	95.5
7.5°	117.5	116.0	112.2	109.9	109.1	109.9	108.4	107.6	106.9	106.1	106.1
10°	125.8	124.3	122.0	119.8	118.2	118.2	117.5	116.0	114.5	113.7	113.7
12.5°	131.1	129.6	128.1	125.8	124.3	123.5	122.8	120.5	118.2	118.2	117.5
15°	138.7	137.2	134.9	132.6	131.1	129.6	128.9	125.8	123.5	122.8	122.8
17.5°	144.8	143.3	141.7	139.5	137.2	134.9	133.4	131.1	128.9	128.1	128.1
20°	150.8	149.3	147.0	145.5	142.5	140.2	138.7	136.4	134.2	133.4	132.6
22.5°	156.9	155.4	153.1	151.6	148.6	145.5	143.3	141.0	138.0	137.2	136.4
25°	161.4	159.9	158.4	156.1	153.1	150.1	147.0	144.0	142.5	141.0	140.2
27.5°	165.2	164.5	163.0	160.7	156.9	153.9	150.8	147.8	145.5	144.0	144.0
30°	168.3	167.5	166.0	163.7	160.7	157.7	154.6	151.6	148.6	147.0	146.3
32.5°	170.5	169.0	168.3	166.0	163.7	160.7	157.7	154.6	151.6	150.1	149.3
35°	172.8	172.1	170.5	169.0	166.0	163.7	160.7	158.4	155.4	154.6	153.9
37.5°	179.6	178.9	177.4	174.3	172.1	169.8	167.5	165.2	163.7	163.0	162.2
40°	199.3	196.3	193.3	190.2	185.7	182.7	180.4	179.6	178.9	178.9	179.6
42.5°	225.9	224.4	222.1	216.8	210.7	206.2	203.9	204.7	203.9	203.9	205.4
45°	268.3	265.3	262.3	257.7	247.1	239.5	237.2	235.7	237.2	236.5	238.0
47.5°	323.7	325.9	315.3	310.0	298.6	287.3	285.8	281.2	284.2	285.8	288.0
50°	400.2	402.5	392.6	382.0	369.1	350.2	347.1	341.8	344.1	350.9	350.2
52.5°	497.2	498.0	488.1	477.5	461.6	435.1	431.3	425.2	422.9	432.8	433.6
55°	598.0	601.8	586.7	579.1	563.2	526.0	513.9	504.0	504.8	515.4	513.1
57.5°	676.9	678.4	664.7	660.9	643.5	598.0	584.4	563.9	570.7	578.3	578.3
60°	736.7	738.3	721.6	723.9	710.2	651.9	639.7	617.0	622.3	627.6	635.9
62.5°	788.3	793.6	770.9	775.4	763.3	698.8	681.4	664.0	670.0	670.8	676.1
65°	842.1	842.9	819.4	825.4	809.5	746.6	719.3	702.6	711.0	709.5	716.3
67.5°	888.3	889.9	864.8	878.5	859.5	792.8	766.3	747.4	754.2	748.9	767.8
70°	936.1	940.6	905.0	917.9	902.0	830.7	801.2	783.0	785.3	779.2	803.4
72.5°	965.7	975.5	946.7	962.6	939.9	865.6	838.3	822.4	817.1	810.3	826.9
75°	999.8	1009.6	971.0	993.7	974.0	898.9	870.1	855.7	844.4	840.6	853.5
77.5°	1018.7	1029.3	1001.3	1018.0	992.2	915.6	883.0	861.1	858.0	854.2	868.6
78°	1020.2	1027.0	996.0	1021.0	992.9	917.9	886.1	864.1	861.8	855.7	870.1
80°	1014.9	1021.0	992.2	1014.9	988.4	913.4	883.0	854.2	855.7	847.4	864.8
82.5°	1011.9	1018.7	989.9	1005.1	986.1	907.3	882.3	848.2	848.2	834.5	851.2
85°	979.3	987.6	964.1	982.3	962.6	887.6	866.4	830.0	830.0	819.4	839.8
87.5°	961.9	970.2	941.4	966.4	942.2	864.8	848.2	817.8	815.6	804.2	823.9
90°	940.6	950.5	920.9	933.1	914.1	840.6	822.4	788.3	785.3	773.1	791.3
92.5°	889.9	898.9	870.9	889.1	871.7	805.7	787.5	760.2	754.9	746.6	764.0
95°	820.9	831.5	809.5	828.5	810.3	751.1	737.5	717.0	711.7	706.4	717.0
97.5°	731.4	736.0	720.1	737.5	721.6	670.0	658.7	638.2	629.1	627.6	631.4
100°	617.7	620.8	602.6	616.2	604.9	558.6	552.6	542.7	530.6	529.1	530.6
102.5°	458.6	445.7	431.3	426.0	424.5	389.6	393.4	398.7	393.4	399.4	412.3
105°	248.6	241.0	235.7	231.2	234.2	214.5	218.3	219.1	214.5	217.5	222.1
107.5°	146.3	144.0	141.7	139.5	134.9	128.1	126.6	121.3	121.3	121.3	122.8



REPORT NUMBER: P314585

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	103.8	103.1	100.8	100.1	96.3	91.7	91.0	88.7	87.2	87.2	88.7
112.5°	79.6	78.8	77.3	76.6	75.0	69.7	69.0	68.2	68.2	68.2	69.0
115°	63.7	62.9	62.2	60.6	58.4	54.6	55.3	53.8	53.8	54.6	54.6
117.5°	51.5	50.8	50.8	49.3	47.0	44.7	44.7	44.0	44.0	44.0	44.7
120°	44.0	43.2	42.4	41.7	39.4	37.1	37.1	36.4	37.1	37.1	37.1
122.5°	39.4	38.7	37.9	37.1	34.9	32.6	32.6	31.8	32.6	32.6	32.6
125°	35.6	34.9	34.1	32.6	30.3	28.8	28.8	28.8	28.8	28.8	28.8
127.5°	31.1	30.3	28.8	27.3	25.8	24.3	24.3	24.3	25.0	25.0	25.0
130°	24.3	22.7	22.0	20.5	18.9	17.4	18.2	18.9	19.7	19.7	19.7
132.5°	16.7	15.9	14.4	12.9	11.4	11.4	11.4	12.9	13.6	13.6	13.6
135°	4.5	4.5	4.5	3.8	3.8	3.8	4.5	6.1	6.1	6.8	6.8
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	0.8	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	0.8	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)