

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: P314578

Luminaire Tested: **MPW-A4-D-U-SYM-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314578
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-A4-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: 3964 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type I - Short - Non-Cutoff
BUG Rating: B2 - U4 - G3

Input Watts (W): 39.1
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

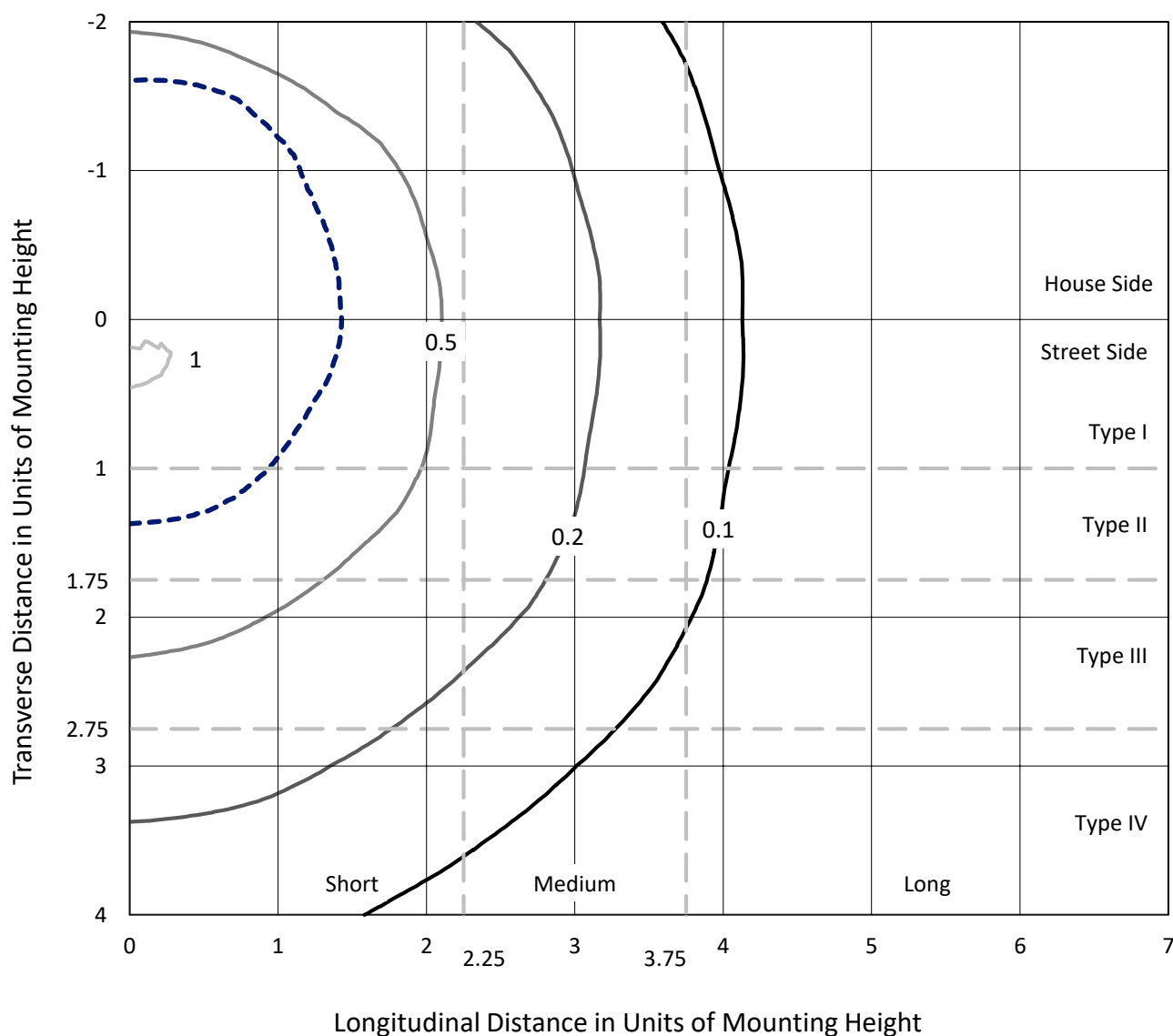


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

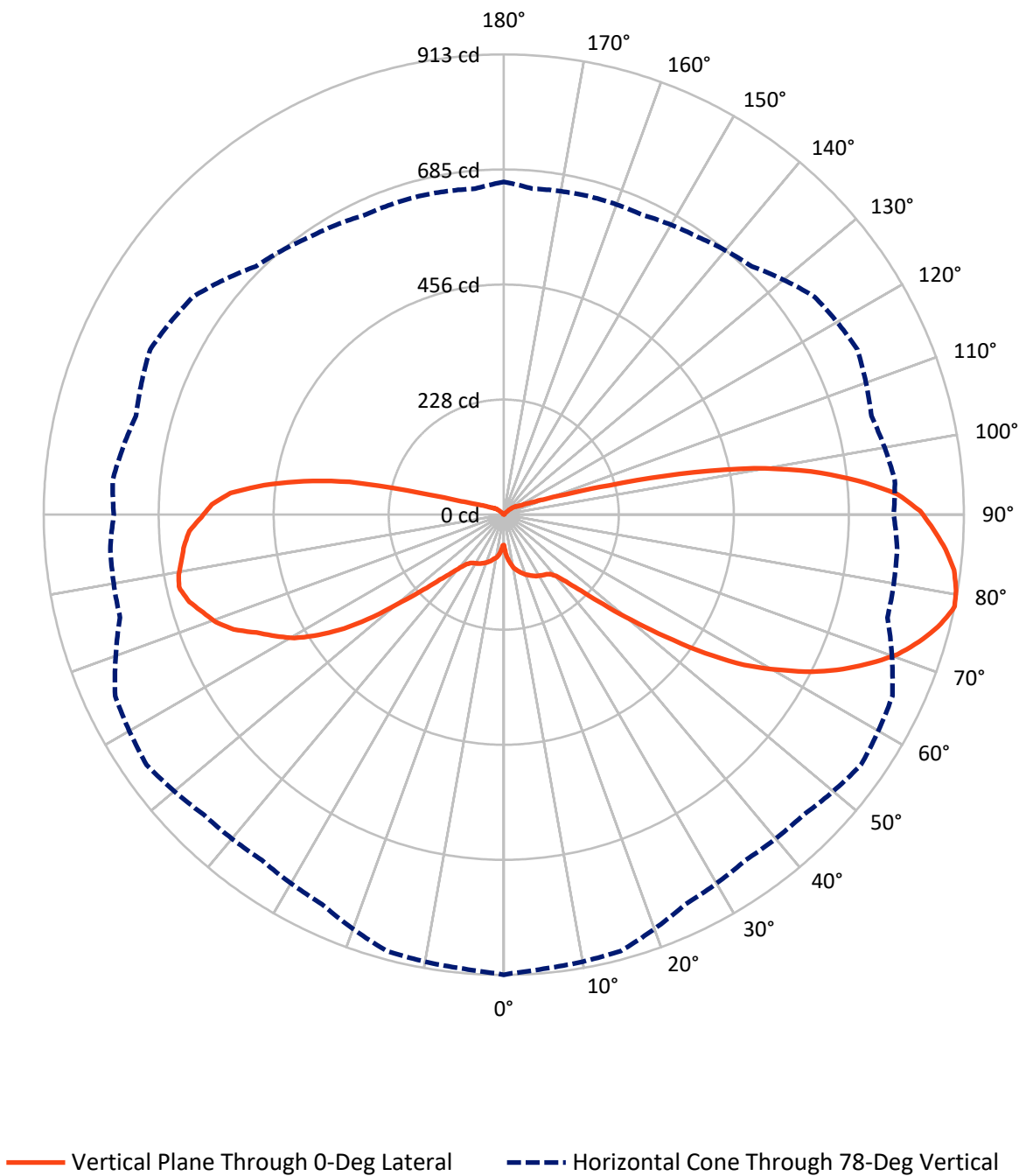


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type I - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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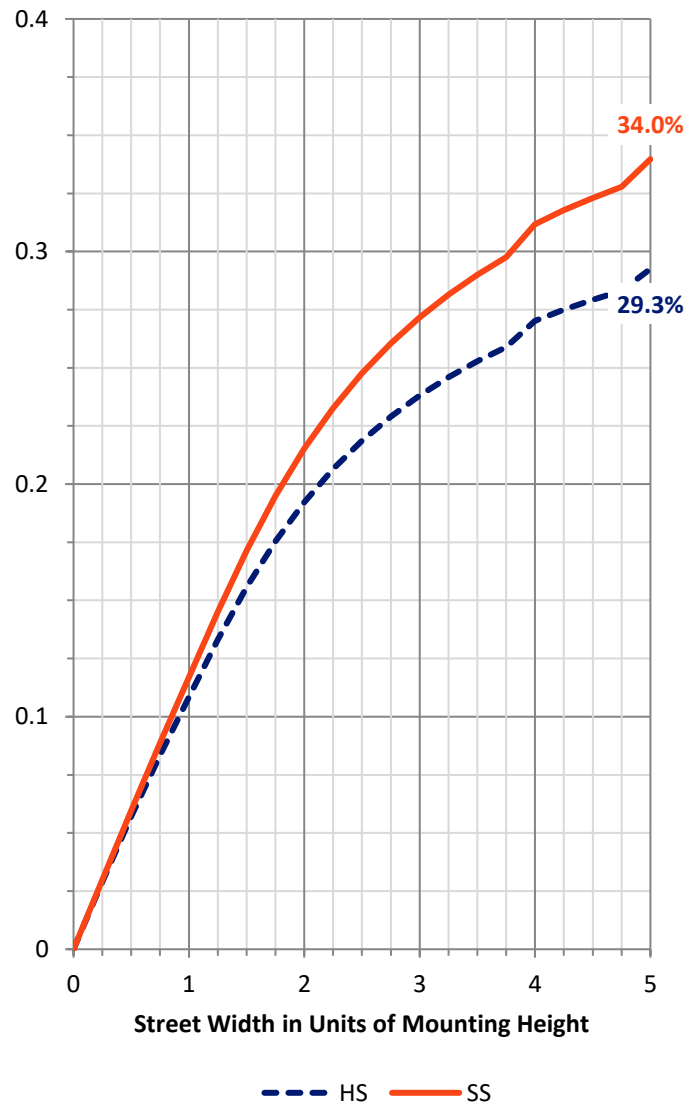
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1368.2	455.7	1823.9
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	1614.9	525.2	2140.1
	% Fixture	40.7	13.2	54.0
Total	Lumens	2983.1	980.9	3964.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.2
10°-20°	30.0	0.8
20°-30°	56.3	1.4
30°-40°	84.3	2.1
40°-50°	165.2	4.2
50°-60°	395.3	10.0
60°-70°	629.3	15.9
70°-80°	797.8	20.1
80°-90°	816.7	20.6
90°-100°	665.2	16.8
100°-110°	240.2	6.1
110°-120°	49.0	1.2
120°-130°	22.1	0.6
130°-140°	4.4	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°	2983.1	75.3
0°-180°	3964.0	100.0

Coefficient of Utilization



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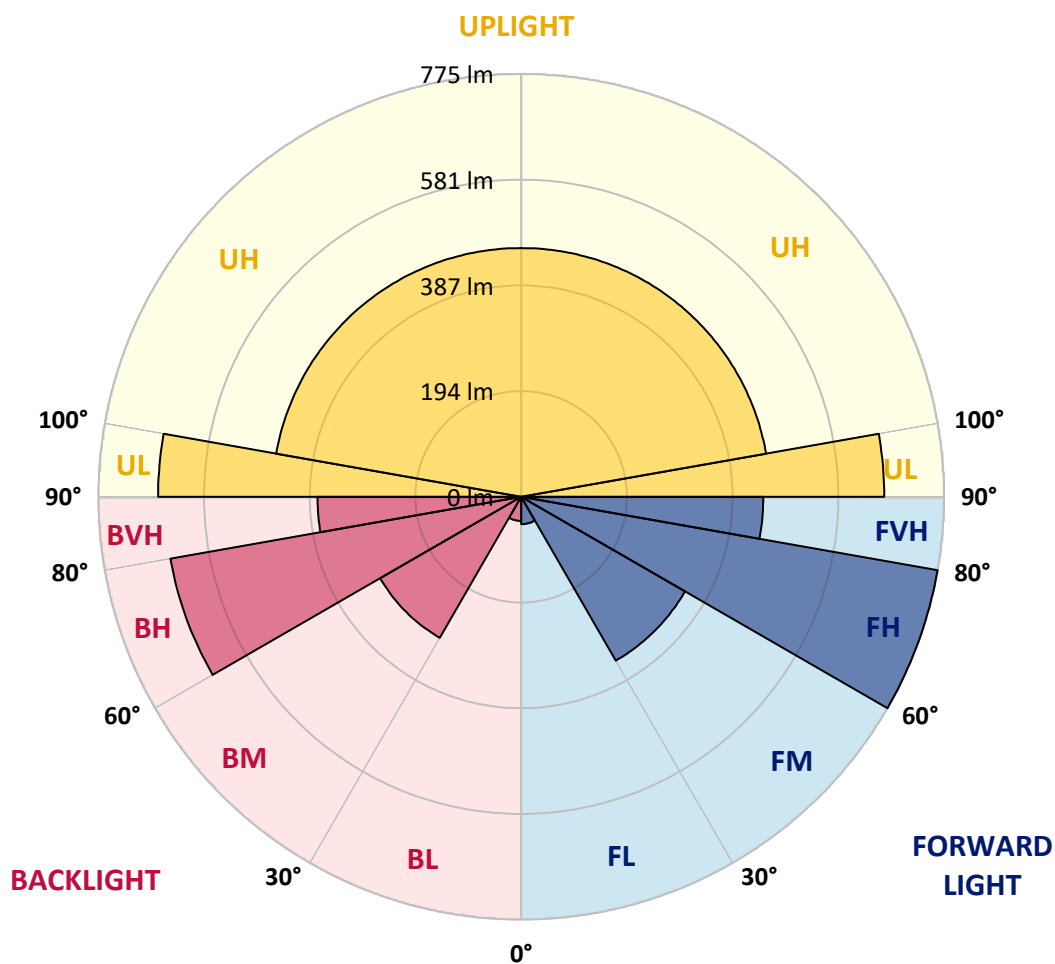
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.2	1.3			
FM	(30°-60°)	346.6	8.7			
FH	(60°-80°)	774.7	19.5			G1/1800
FVH	(80°-90°)	443.5	11.2			G3/500
BL	(0°-30°)	44.2	1.1	B0/110		
BM	(30°-60°)	298.2	7.5	B1/1000		
BH	(60°-80°)	652.5	16.5	B2/1000		G2/1000
BVH	(80°-90°)	373.2	9.4			G3/500
UL	(90°-100°)	665.2	16.8		U4/1000	
UH	(100°-180°)	455.7	11.5		U3/500	

BUG Rating: B2-U4-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2.5°	77.0	76.5	75.9	74.7	75.3	74.7	73.6	71.9	70.1	68.4	67.3
5°	89.1	88.5	88.5	88.5	88.5	88.5	87.9	86.2	83.9	81.6	78.8
7.5°	98.3	97.7	97.7	98.3	98.3	97.7	96.6	95.4	93.7	92.5	90.2
10°	106.9	106.3	106.3	106.3	105.8	104.6	103.5	101.7	99.4	98.3	96.6
12.5°	112.7	112.1	112.1	111.5	110.9	109.8	107.5	105.2	104.0	102.3	100.6
15°	117.8	117.3	117.3	116.1	115.5	114.4	112.1	110.4	108.6	107.5	106.3
17.5°	122.4	122.4	121.9	120.7	120.1	119.0	117.3	115.0	113.2	112.1	110.4
20°	127.0	126.5	126.5	125.3	124.2	123.0	121.3	119.6	118.4	116.7	115.0
22.5°	130.5	130.5	129.9	129.3	128.2	127.6	125.3	124.2	122.4	121.3	119.6
25°	134.5	134.5	134.5	133.4	132.2	131.6	129.3	128.2	127.0	125.3	123.0
27.5°	138.0	137.4	138.0	136.8	135.1	134.5	132.2	130.5	129.3	128.2	125.9
30°	140.3	140.3	139.7	139.1	137.4	136.2	134.5	132.8	131.6	129.9	128.2
32.5°	143.1	142.0	143.1	140.8	139.7	138.0	136.2	133.9	132.8	131.1	129.3
35°	145.4	144.9	144.9	144.3	142.0	140.8	138.5	136.8	135.1	133.4	131.6
37.5°	149.5	149.5	149.5	148.3	147.2	147.7	146.0	143.7	142.0	139.7	136.8
40°	159.8	159.8	159.8	159.8	159.2	160.9	160.4	159.8	159.2	155.8	151.2
42.5°	181.1	181.6	181.1	181.1	181.6	185.1	185.7	186.8	185.1	179.9	173.6
45°	215.6	216.7	215.6	217.3	218.4	223.0	222.5	223.6	221.3	216.7	206.4
47.5°	265.6	267.3	267.9	264.4	265.0	269.6	272.5	273.6	271.3	261.0	251.8
50°	328.2	329.9	329.9	327.1	324.2	329.9	334.0	336.3	337.4	320.2	309.8
52.5°	401.8	404.1	403.5	400.1	394.3	406.4	409.8	420.8	417.9	392.0	380.5
55°	485.1	487.4	486.9	480.0	470.8	476.0	486.3	498.9	495.5	463.9	455.8
57.5°	562.7	563.9	563.9	555.3	544.4	540.9	547.8	562.7	557.0	520.2	513.3
60°	624.8	626.0	626.6	613.3	600.1	592.6	598.4	615.1	609.3	566.8	559.9
62.5°	686.3	681.7	677.1	666.2	647.8	639.2	640.3	662.2	650.7	604.1	599.0
65°	739.2	737.5	726.6	715.1	695.0	685.2	685.2	708.2	696.7	647.2	640.3
67.5°	785.8	785.8	773.1	762.2	735.2	723.7	721.4	749.0	734.6	684.0	675.4
70°	829.5	828.3	813.9	806.5	773.1	756.5	759.3	787.5	774.9	721.4	715.1
72.5°	861.7	861.7	851.3	844.4	803.6	788.1	789.2	819.1	804.7	748.4	739.8
75°	889.8	887.5	881.8	875.5	832.9	815.1	818.0	847.3	832.3	775.4	772.0
77.5°	909.9	908.2	903.0	896.1	849.6	833.5	838.1	864.5	851.3	786.4	781.8
78°	912.8	909.9	904.2	896.1	852.5	836.4	841.5	865.1	850.7	788.1	783.5
80°	909.9	907.6	901.3	892.7	854.2	835.2	838.1	858.8	843.8	785.2	778.9
82.5°	900.2	898.4	892.7	882.3	843.8	827.7	830.6	850.2	836.9	776.0	778.9
85°	879.5	875.5	870.9	860.5	827.2	808.8	811.1	830.0	815.1	755.3	753.6
87.5°	853.6	850.7	847.3	836.9	805.9	789.8	790.4	809.3	795.0	739.2	739.2
90°	826.0	822.6	819.7	809.9	779.5	763.9	764.5	785.8	774.3	723.1	726.0
92.5°	781.8	778.9	776.0	765.1	737.5	722.5	724.8	745.5	734.0	684.0	687.5
95°	705.3	703.0	703.6	695.5	670.8	657.0	657.6	678.3	667.4	623.7	632.9
97.5°	615.6	614.5	611.0	608.2	586.3	577.7	575.4	597.8	592.6	554.7	564.5
100°	504.7	502.4	498.4	497.2	483.4	480.0	481.7	503.0	500.1	467.3	477.1
102.5°	357.5	357.0	360.4	354.1	348.3	349.5	356.4	374.2	371.3	343.2	349.5
105°	217.3	217.9	215.0	213.3	208.7	208.1	209.2	214.4	208.1	189.1	190.3
107.5°	129.3	129.9	130.5	126.5	123.0	121.9	121.3	123.0	119.6	112.1	112.1



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	87.9	87.9	88.5	86.2	83.3	83.3	82.8	84.5	83.3	79.3	79.3
112.5°	64.4	65.0	64.4	63.2	61.5	62.1	62.1	63.2	63.2	60.9	60.9
115°	50.0	50.0	50.0	48.9	47.7	47.7	48.3	49.4	50.0	48.9	48.9
117.5°	39.7	39.7	39.7	39.1	37.9	37.9	38.5	39.1	40.2	39.7	39.7
120°	33.3	33.3	33.3	32.8	32.2	32.2	32.8	33.3	33.9	33.3	33.3
122.5°	29.9	29.9	29.9	29.3	28.7	28.7	28.7	29.3	29.9	29.9	29.9
125°	27.0	27.0	27.0	27.0	25.9	25.3	25.9	26.4	27.0	27.6	27.6
127.5°	22.4	22.4	23.0	22.4	21.8	21.8	22.4	22.4	23.6	24.1	24.1
130°	16.7	16.7	17.2	17.2	16.7	16.1	16.7	17.2	18.4	19.0	18.4
132.5°	10.3	10.9	10.9	10.9	10.3	10.3	10.9	11.5	12.6	13.2	12.6
135°	1.1	1.1	1.7	1.1	1.7	1.7	1.7	2.3	3.4	4.0	4.0
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	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.6	0.6	0.6	0.0	0.6	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°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2.5°	66.7	67.3	66.1	65.5	65.0	64.4	63.8	62.7	62.1	62.1	61.5
5°	78.2	77.6	76.5	74.7	74.2	73.6	73.0	72.4	72.4	72.4	72.4
7.5°	89.1	87.9	85.1	83.3	82.8	83.3	82.2	81.6	81.0	80.5	80.5
10°	95.4	94.3	92.5	90.8	89.7	89.7	89.1	87.9	86.8	86.2	86.2
12.5°	99.4	98.3	97.1	95.4	94.3	93.7	93.1	91.4	89.7	89.7	89.1
15°	105.2	104.0	102.3	100.6	99.4	98.3	97.7	95.4	93.7	93.1	93.1
17.5°	109.8	108.6	107.5	105.8	104.0	102.3	101.2	99.4	97.7	97.1	97.1
20°	114.4	113.2	111.5	110.4	108.1	106.3	105.2	103.5	101.7	101.2	100.6
22.5°	119.0	117.8	116.1	115.0	112.7	110.4	108.6	106.9	104.6	104.0	103.5
25°	122.4	121.3	120.1	118.4	116.1	113.8	111.5	109.2	108.1	106.9	106.3
27.5°	125.3	124.7	123.6	121.9	119.0	116.7	114.4	112.1	110.4	109.2	109.2
30°	127.6	127.0	125.9	124.2	121.9	119.6	117.3	115.0	112.7	111.5	110.9
32.5°	129.3	128.2	127.6	125.9	124.2	121.9	119.6	117.3	115.0	113.8	113.2
35°	131.1	130.5	129.3	128.2	125.9	124.2	121.9	120.1	117.8	117.3	116.7
37.5°	136.2	135.7	134.5	132.2	130.5	128.8	127.0	125.3	124.2	123.6	123.0
40°	151.2	148.9	146.6	144.3	140.8	138.5	136.8	136.2	135.7	135.7	136.2
42.5°	171.3	170.1	168.4	164.4	159.8	156.4	154.6	155.2	154.6	154.6	155.8
45°	203.5	201.2	198.9	195.4	187.4	181.6	179.9	178.8	179.9	179.3	180.5
47.5°	245.4	247.2	239.1	235.1	226.5	217.9	216.7	213.3	215.6	216.7	218.4
50°	303.5	305.2	297.8	289.7	279.9	265.6	263.3	259.2	261.0	266.1	265.6
52.5°	377.1	377.7	370.2	362.1	350.1	329.9	327.1	322.5	320.7	328.2	328.8
55°	453.5	456.4	444.9	439.2	427.1	398.9	389.7	382.3	382.8	390.9	389.2
57.5°	513.3	514.5	504.1	501.2	488.0	453.5	443.2	427.7	432.8	438.6	438.6
60°	558.7	559.9	547.2	549.0	538.6	494.3	485.1	467.9	471.9	476.0	482.3
62.5°	597.8	601.8	584.6	588.0	578.8	530.0	516.8	503.5	508.1	508.7	512.7
65°	638.6	639.2	621.4	626.0	613.9	566.2	545.5	532.9	539.2	538.0	543.2
67.5°	673.7	674.8	655.9	666.2	651.8	601.3	581.1	566.8	571.9	567.9	582.3
70°	709.9	713.4	686.3	696.1	684.0	630.0	607.6	593.8	595.5	590.9	609.3
72.5°	732.3	739.8	718.0	730.0	712.8	656.4	635.8	623.7	619.7	614.5	627.1
75°	758.2	765.7	736.3	753.6	738.6	681.7	659.9	649.0	640.3	637.5	647.2
77.5°	772.6	780.6	759.3	772.0	752.4	694.4	669.7	653.0	650.7	647.8	658.7
78°	773.7	778.9	755.3	774.3	753.0	696.1	672.0	655.3	653.6	649.0	659.9
80°	769.7	774.3	752.4	769.7	749.6	692.7	669.7	647.8	649.0	642.6	655.9
82.5°	767.4	772.6	750.7	762.2	747.8	688.1	669.1	643.2	643.2	632.9	645.5
85°	742.7	749.0	731.2	745.0	730.0	673.1	657.0	629.4	629.4	621.4	636.9
87.5°	729.4	735.8	713.9	732.9	714.5	655.9	643.2	620.2	618.5	609.9	624.8
90°	713.4	720.8	698.4	707.6	693.2	637.5	623.7	597.8	595.5	586.3	600.1
92.5°	674.8	681.7	660.5	674.3	661.0	611.0	597.2	576.5	572.5	566.2	579.4
95°	622.5	630.6	613.9	628.3	614.5	569.6	559.3	543.8	539.8	535.7	543.8
97.5°	554.7	558.2	546.1	559.3	547.2	508.1	499.5	484.0	477.1	476.0	478.8
100°	468.5	470.8	457.0	467.3	458.7	423.6	419.0	411.6	402.4	401.2	402.4
102.5°	347.8	338.0	327.1	323.0	321.9	295.5	298.3	302.4	298.3	302.9	312.7
105°	188.5	182.8	178.8	175.3	177.6	162.7	165.5	166.1	162.7	165.0	168.4
107.5°	110.9	109.2	107.5	105.8	102.3	97.1	96.0	92.0	92.0	92.0	93.1



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CATALOG NUMBER: MPW-A4-D-U-SYM-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	78.8	78.2	76.5	75.9	73.0	69.6	69.0	67.3	66.1	66.1	67.3
112.5°	60.4	59.8	58.6	58.1	56.9	52.9	52.3	51.7	51.7	51.7	52.3
115°	48.3	47.7	47.1	46.0	44.3	41.4	42.0	40.8	40.8	41.4	41.4
117.5°	39.1	38.5	38.5	37.4	35.6	33.9	33.9	33.3	33.3	33.3	33.9
120°	33.3	32.8	32.2	31.6	29.9	28.2	28.2	27.6	28.2	28.2	28.2
122.5°	29.9	29.3	28.7	28.2	26.4	24.7	24.7	24.1	24.7	24.7	24.7
125°	27.0	26.4	25.9	24.7	23.0	21.8	21.8	21.8	21.8	21.8	21.8
127.5°	23.6	23.0	21.8	20.7	19.5	18.4	18.4	18.4	19.0	19.0	19.0
130°	18.4	17.2	16.7	15.5	14.4	13.2	13.8	14.4	14.9	14.9	14.9
132.5°	12.6	12.1	10.9	9.8	8.6	8.6	8.6	9.8	10.3	10.3	10.3
135°	3.4	3.4	3.4	2.9	2.9	2.9	3.4	4.6	4.6	5.2	5.2
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	0.0	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	0.6	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	0.6	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)