

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: P314589

Luminaire Tested: **MPW-A3-D-U-SYM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314589
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-A3-D-U-SYM
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 4000K LIGHT ENGINE. SYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3267 lumens
Efficiency: N/A
Efficacy: 113.8 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): 28.7
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

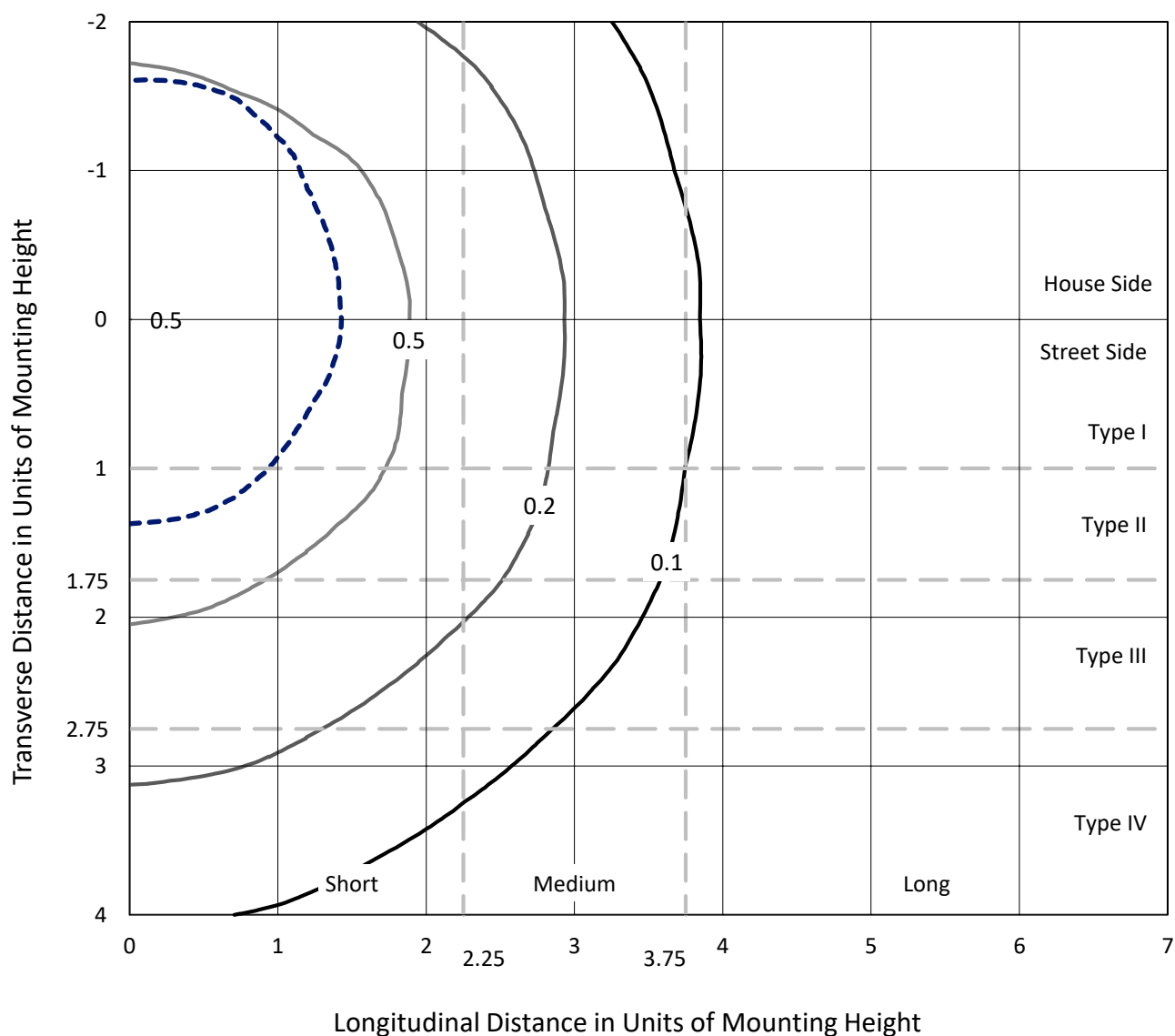


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

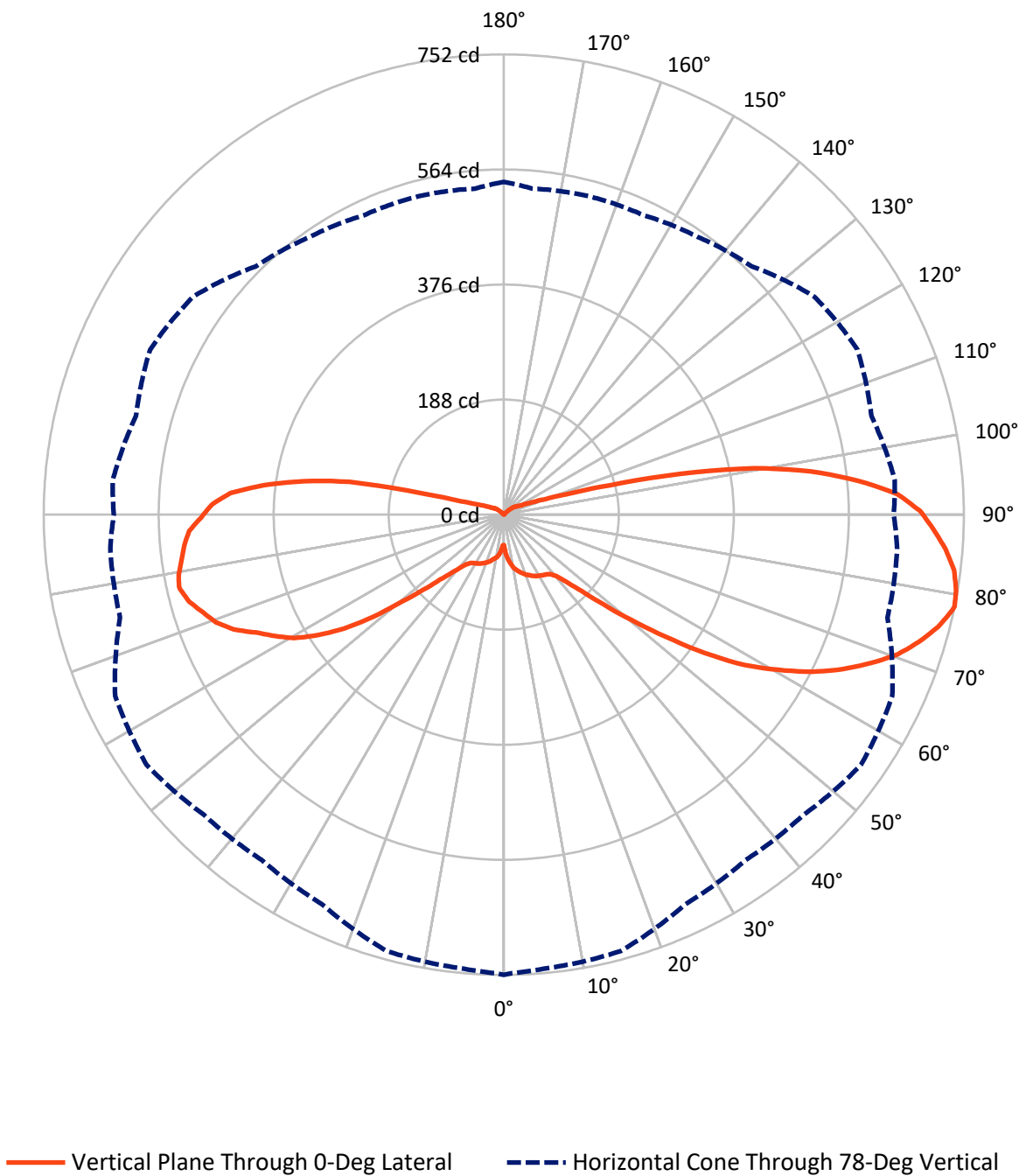


Based on 10 foot mounting height. Maximum calculated value = 0.9 fc
Type I - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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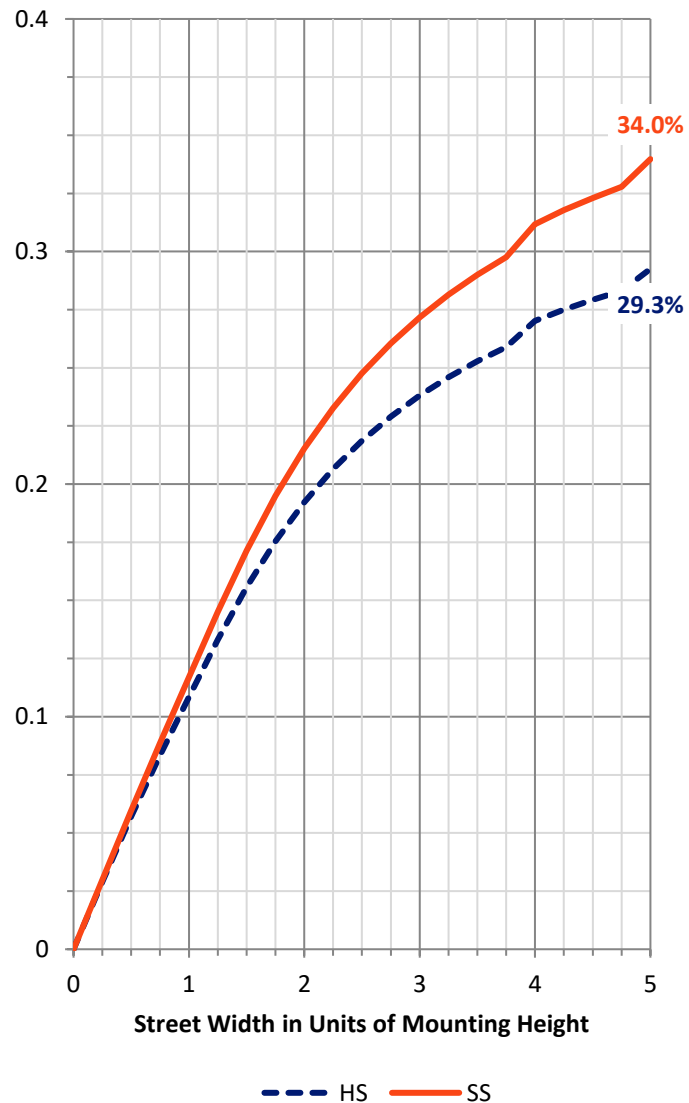
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1127.6	375.6	1503.2
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	1331.0	432.8	1763.8
	% Fixture	40.7	13.2	54.0
Total	Lumens	2458.6	808.4	3267.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.2
10°-20°	24.8	0.8
20°-30°	46.4	1.4
30°-40°	69.4	2.1
40°-50°	136.2	4.2
50°-60°	325.8	10.0
60°-70°	518.7	15.9
70°-80°	657.5	20.1
80°-90°	673.1	20.6
90°-100°	548.2	16.8
100°-110°	198.0	6.1
110°-120°	40.4	1.2
120°-130°	18.2	0.6
130°-140°	3.6	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°	2458.6	75.3
0°-180°	3267.0	100.0

Coefficient of Utilization



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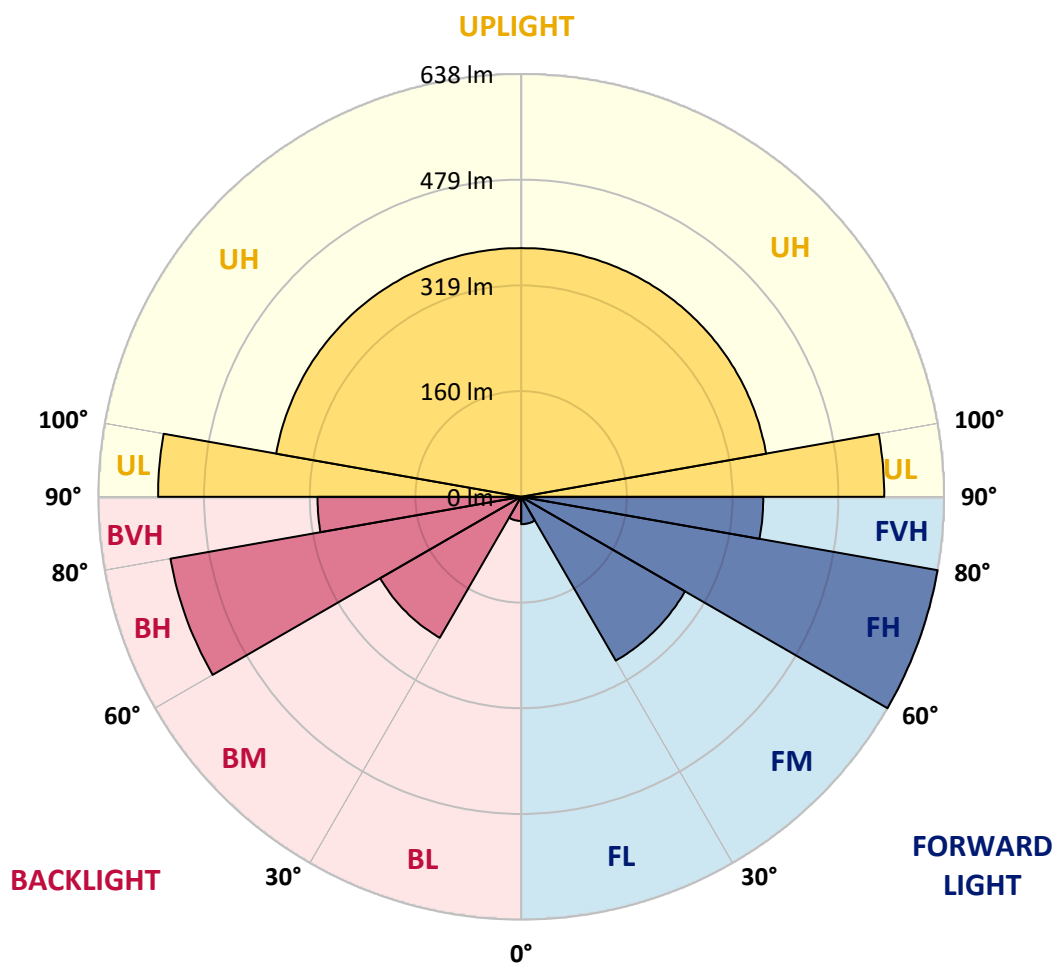
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.4	1.3			
FM	(30°-60°)	285.6	8.7			
FH	(60°-80°)	638.5	19.5			G0/660
FVH	(80°-90°)	365.5	11.2			G3/500
BL	(0°-30°)	36.4	1.1	B0/110		
BM	(30°-60°)	245.8	7.5	B1/1000		
BH	(60°-80°)	537.8	16.5	B2/1000		G2/1000
BVH	(80°-90°)	307.6	9.4			G3/500
UL	(90°-100°)	548.2	16.8		U4/1000	
UH	(100°-180°)	375.6	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°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
2.5°	63.5	63.0	62.5	61.6	62.1	61.6	60.6	59.2	57.8	56.4	55.4
5°	73.4	73.0	73.0	73.0	73.0	73.0	72.5	71.1	69.2	67.3	64.9
7.5°	81.0	80.5	80.5	81.0	81.0	80.5	79.6	78.6	77.2	76.3	74.4
10°	88.1	87.6	87.6	87.6	87.2	86.2	85.3	83.9	82.0	81.0	79.6
12.5°	92.9	92.4	92.4	91.9	91.4	90.5	88.6	86.7	85.7	84.3	82.9
15°	97.1	96.6	96.6	95.7	95.2	94.3	92.4	91.0	89.5	88.6	87.6
17.5°	100.9	100.9	100.4	99.5	99.0	98.1	96.6	94.7	93.3	92.4	91.0
20°	104.7	104.2	104.2	103.3	102.3	101.4	100.0	98.5	97.6	96.2	94.7
22.5°	107.5	107.5	107.1	106.6	105.6	105.2	103.3	102.3	100.9	100.0	98.5
25°	110.9	110.9	110.9	109.9	109.0	108.5	106.6	105.6	104.7	103.3	101.4
27.5°	113.7	113.2	113.7	112.8	111.3	110.9	109.0	107.5	106.6	105.6	103.8
30°	115.6	115.6	115.1	114.6	113.2	112.3	110.9	109.4	108.5	107.1	105.6
32.5°	118.0	117.0	118.0	116.1	115.1	113.7	112.3	110.4	109.4	108.0	106.6
35°	119.9	119.4	119.4	118.9	117.0	116.1	114.2	112.8	111.3	109.9	108.5
37.5°	123.2	123.2	123.2	122.2	121.3	121.8	120.3	118.4	117.0	115.1	112.8
40°	131.7	131.7	131.7	131.7	131.2	132.6	132.2	131.7	131.2	128.4	124.6
42.5°	149.2	149.7	149.2	149.2	149.7	152.5	153.0	154.0	152.5	148.3	143.1
45°	177.7	178.6	177.7	179.1	180.0	183.8	183.3	184.3	182.4	178.6	170.1
47.5°	218.9	220.3	220.8	217.9	218.4	222.2	224.6	225.5	223.6	215.1	207.5
50°	270.5	271.9	271.9	269.6	267.2	271.9	275.2	277.1	278.1	263.9	255.4
52.5°	331.1	333.0	332.6	329.7	325.0	334.9	337.8	346.8	344.4	323.1	313.6
55°	399.8	401.7	401.3	395.6	388.0	392.3	400.8	411.2	408.4	382.3	375.7
57.5°	463.8	464.7	464.7	457.6	448.6	445.8	451.5	463.8	459.1	428.7	423.1
60°	515.0	515.9	516.4	505.5	494.6	488.4	493.2	506.9	502.2	467.1	461.4
62.5°	565.7	561.9	558.1	549.1	533.9	526.8	527.8	545.8	536.3	497.9	493.6
65°	609.2	607.8	598.8	589.3	572.8	564.7	564.7	583.7	574.2	533.4	527.8
67.5°	647.6	647.6	637.2	628.2	605.9	596.4	594.6	617.3	605.4	563.8	556.7
70°	683.6	682.7	670.8	664.7	637.2	623.5	625.8	649.0	638.6	594.6	589.3
72.5°	710.1	710.1	701.6	695.9	662.3	649.5	650.5	675.1	663.2	616.8	609.7
75°	733.4	731.5	726.7	721.5	686.5	671.8	674.1	698.3	686.0	639.1	636.2
77.5°	749.9	748.5	744.3	738.6	700.2	686.9	690.7	712.5	701.6	648.1	644.3
78°	752.3	749.9	745.2	738.6	702.6	689.3	693.6	713.0	701.1	649.5	645.7
80°	749.9	748.0	742.8	735.7	704.0	688.4	690.7	707.8	695.5	647.1	641.9
82.5°	741.9	740.5	735.7	727.2	695.5	682.2	684.6	700.7	689.8	639.6	641.9
85°	724.8	721.5	717.7	709.2	681.7	666.6	668.5	684.1	671.8	622.5	621.1
87.5°	703.5	701.1	698.3	689.8	664.2	650.9	651.4	667.0	655.2	609.2	609.2
90°	680.8	677.9	675.6	667.5	642.4	629.6	630.1	647.6	638.1	596.0	598.3
92.5°	644.3	641.9	639.6	630.6	607.8	595.5	597.4	614.5	605.0	563.8	566.6
95°	581.3	579.4	579.9	573.2	552.9	541.5	542.0	559.0	550.0	514.0	521.6
97.5°	507.4	506.4	503.6	501.2	483.2	476.1	474.2	492.7	488.4	457.2	465.2
100°	416.0	414.1	410.7	409.8	398.4	395.6	397.0	414.5	412.2	385.2	393.2
102.5°	294.7	294.2	297.0	291.8	287.1	288.0	293.7	308.4	306.0	282.8	288.0
105°	179.1	179.6	177.2	175.8	172.0	171.5	172.4	176.7	171.5	155.9	156.8
107.5°	106.6	107.1	107.5	104.2	101.4	100.4	100.0	101.4	98.5	92.4	92.4



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CATALOG NUMBER: MPW-A3-D-U-SYM

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	72.5	72.5	73.0	71.1	68.7	68.7	68.2	69.6	68.7	65.4	65.4
112.5°	53.1	53.5	53.1	52.1	50.7	51.2	51.2	52.1	52.1	50.2	50.2
115°	41.2	41.2	41.2	40.3	39.3	39.3	39.8	40.7	41.2	40.3	40.3
117.5°	32.7	32.7	32.7	32.2	31.3	31.3	31.7	32.2	33.2	32.7	32.7
120°	27.5	27.5	27.5	27.0	26.5	26.5	27.0	27.5	28.0	27.5	27.5
122.5°	24.6	24.6	24.6	24.2	23.7	23.7	23.7	24.2	24.6	24.6	24.6
125°	22.3	22.3	22.3	22.3	21.3	20.8	21.3	21.8	22.3	22.7	22.7
127.5°	18.5	18.5	18.9	18.5	18.0	18.0	18.5	18.5	19.4	19.9	19.9
130°	13.7	13.7	14.2	14.2	13.7	13.3	13.7	14.2	15.2	15.6	15.2
132.5°	8.5	9.0	9.0	9.0	8.5	8.5	9.0	9.5	10.4	10.9	10.4
135°	0.9	0.9	1.4	0.9	1.4	1.4	1.4	1.9	2.8	3.3	3.3
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	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.5	0.5	0.5	0.0	0.5	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°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
2.5°	55.0	55.4	54.5	54.0	53.5	53.1	52.6	51.6	51.2	51.2	50.7
5°	64.4	64.0	63.0	61.6	61.1	60.6	60.2	59.7	59.7	59.7	59.7
7.5°	73.4	72.5	70.1	68.7	68.2	68.7	67.7	67.3	66.8	66.3	66.3
10°	78.6	77.7	76.3	74.9	73.9	73.9	73.4	72.5	71.5	71.1	71.1
12.5°	82.0	81.0	80.1	78.6	77.7	77.2	76.7	75.3	73.9	73.9	73.4
15°	86.7	85.7	84.3	82.9	82.0	81.0	80.5	78.6	77.2	76.7	76.7
17.5°	90.5	89.5	88.6	87.2	85.7	84.3	83.4	82.0	80.5	80.1	80.1
20°	94.3	93.3	91.9	91.0	89.1	87.6	86.7	85.3	83.9	83.4	82.9
22.5°	98.1	97.1	95.7	94.7	92.9	91.0	89.5	88.1	86.2	85.7	85.3
25°	100.9	100.0	99.0	97.6	95.7	93.8	91.9	90.0	89.1	88.1	87.6
27.5°	103.3	102.8	101.9	100.4	98.1	96.2	94.3	92.4	91.0	90.0	90.0
30°	105.2	104.7	103.8	102.3	100.4	98.5	96.6	94.7	92.9	91.9	91.4
32.5°	106.6	105.6	105.2	103.8	102.3	100.4	98.5	96.6	94.7	93.8	93.3
35°	108.0	107.5	106.6	105.6	103.8	102.3	100.4	99.0	97.1	96.6	96.2
37.5°	112.3	111.8	110.9	109.0	107.5	106.1	104.7	103.3	102.3	101.9	101.4
40°	124.6	122.7	120.8	118.9	116.1	114.2	112.8	112.3	111.8	111.8	112.3
42.5°	141.2	140.2	138.8	135.5	131.7	128.9	127.4	127.9	127.4	127.4	128.4
45°	167.7	165.8	163.9	161.1	154.4	149.7	148.3	147.3	148.3	147.8	148.8
47.5°	202.3	203.7	197.1	193.8	186.7	179.6	178.6	175.8	177.7	178.6	180.0
50°	250.1	251.6	245.4	238.8	230.7	218.9	217.0	213.7	215.1	219.3	218.9
52.5°	310.8	311.3	305.1	298.5	288.5	271.9	269.6	265.8	264.4	270.5	271.0
55°	373.8	376.2	366.7	361.9	352.0	328.8	321.2	315.0	315.5	322.1	320.7
57.5°	423.1	424.0	415.5	413.1	402.2	373.8	365.3	352.5	356.7	361.5	361.5
60°	460.5	461.4	451.0	452.4	443.9	407.4	399.8	385.6	388.9	392.3	397.5
62.5°	492.7	496.0	481.8	484.6	477.1	436.8	425.9	415.0	418.8	419.3	422.6
65°	526.3	526.8	512.1	515.9	506.0	466.6	449.6	439.2	444.4	443.4	447.7
67.5°	555.2	556.2	540.5	549.1	537.2	495.5	479.0	467.1	471.4	468.1	479.9
70°	585.1	587.9	565.7	573.7	563.8	519.2	500.8	489.4	490.8	487.0	502.2
72.5°	603.6	609.7	591.7	601.7	587.4	541.0	524.0	514.0	510.7	506.4	516.9
75°	624.9	631.0	606.9	621.1	608.8	561.9	543.9	534.9	527.8	525.4	533.4
77.5°	636.7	643.3	625.8	636.2	620.1	572.3	551.9	538.2	536.3	533.9	542.9
78°	637.7	641.9	622.5	638.1	620.6	573.7	553.8	540.1	538.7	534.9	543.9
80°	634.3	638.1	620.1	634.3	617.8	570.9	551.9	533.9	534.9	529.7	540.5
82.5°	632.5	636.7	618.7	628.2	616.3	567.1	551.4	530.1	530.1	521.6	532.0
85°	612.1	617.3	602.6	614.0	601.7	554.8	541.5	518.8	518.8	512.1	524.9
87.5°	601.2	606.4	588.4	604.0	588.9	540.5	530.1	511.2	509.8	502.6	515.0
90°	587.9	594.1	575.6	583.2	571.3	525.4	514.0	492.7	490.8	483.2	494.6
92.5°	556.2	561.9	544.3	555.7	544.8	503.6	492.2	475.2	471.9	466.6	477.5
95°	513.1	519.7	506.0	517.8	506.4	469.5	461.0	448.2	444.8	441.5	448.2
97.5°	457.2	460.0	450.1	461.0	451.0	418.8	411.7	398.9	393.2	392.3	394.6
100°	386.1	388.0	376.6	385.2	378.1	349.2	345.4	339.2	331.6	330.7	331.6
102.5°	286.6	278.6	269.6	266.2	265.3	243.5	245.9	249.2	245.9	249.7	257.7
105°	155.4	150.7	147.3	144.5	146.4	134.1	136.4	136.9	134.1	136.0	138.8
107.5°	91.4	90.0	88.6	87.2	84.3	80.1	79.1	75.8	75.8	75.8	76.7



REPORT NUMBER: P314589

CATALOG NUMBER: MPW-A3-D-U-SYM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	64.9	64.4	63.0	62.5	60.2	57.3	56.8	55.4	54.5	54.5	55.4
112.5°	49.7	49.3	48.3	47.8	46.9	43.6	43.1	42.6	42.6	42.6	43.1
115°	39.8	39.3	38.8	37.9	36.5	34.1	34.6	33.6	33.6	34.1	34.1
117.5°	32.2	31.7	31.7	30.8	29.4	28.0	28.0	27.5	27.5	27.5	28.0
120°	27.5	27.0	26.5	26.1	24.6	23.2	23.2	22.7	23.2	23.2	23.2
122.5°	24.6	24.2	23.7	23.2	21.8	20.4	20.4	19.9	20.4	20.4	20.4
125°	22.3	21.8	21.3	20.4	18.9	18.0	18.0	18.0	18.0	18.0	18.0
127.5°	19.4	18.9	18.0	17.1	16.1	15.2	15.2	15.2	15.6	15.6	15.6
130°	15.2	14.2	13.7	12.8	11.8	10.9	11.4	11.8	12.3	12.3	12.3
132.5°	10.4	9.9	9.0	8.1	7.1	7.1	7.1	8.1	8.5	8.5	8.5
135°	2.8	2.8	2.8	2.4	2.4	2.4	2.8	3.8	3.8	4.3	4.3
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	0.0	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	0.5	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	0.5	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)