

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: P314582

Luminaire Tested: **MPW-A2-D-U-SYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314582
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-A2-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: 2006 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type I - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 17.6
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

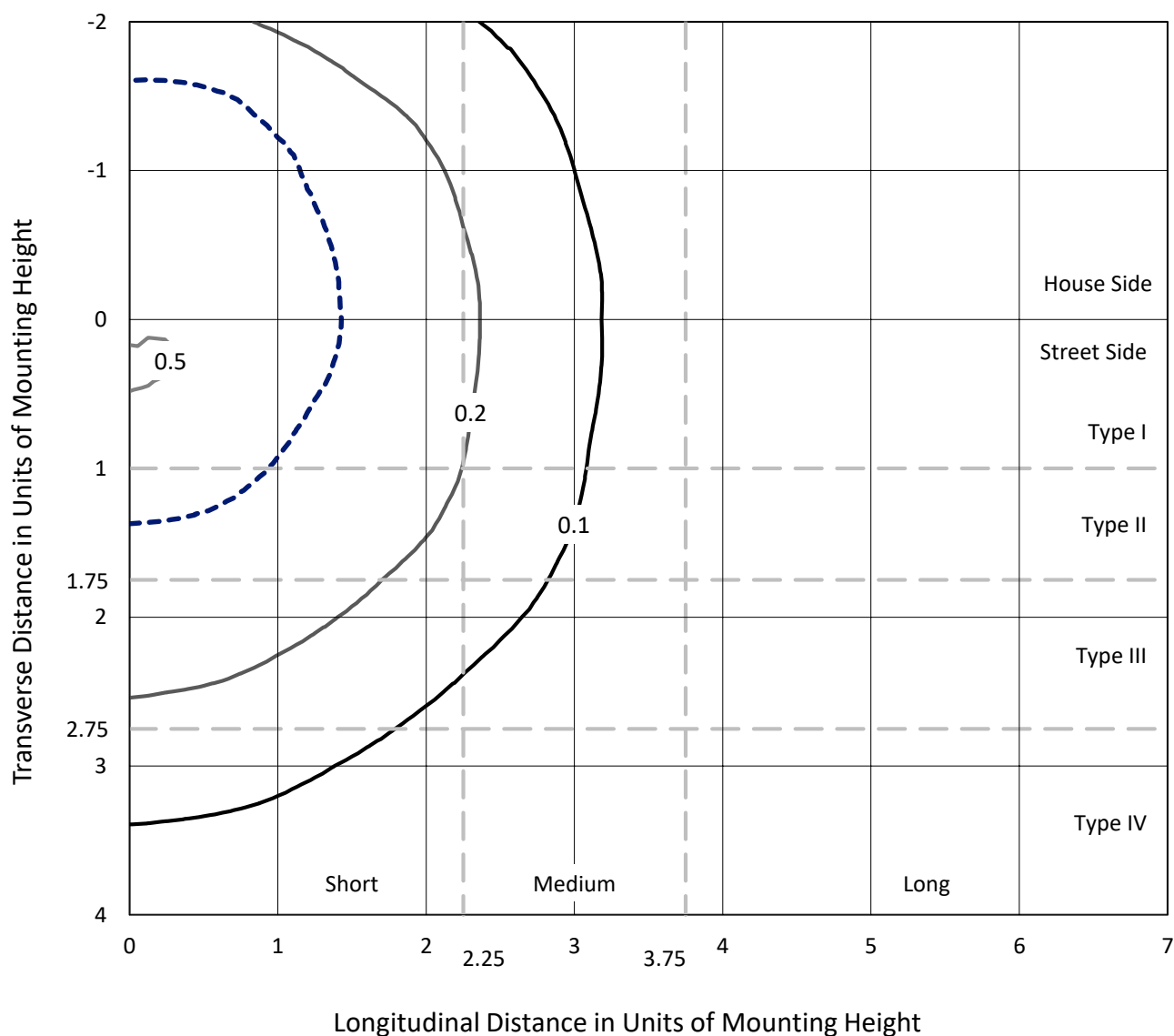


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

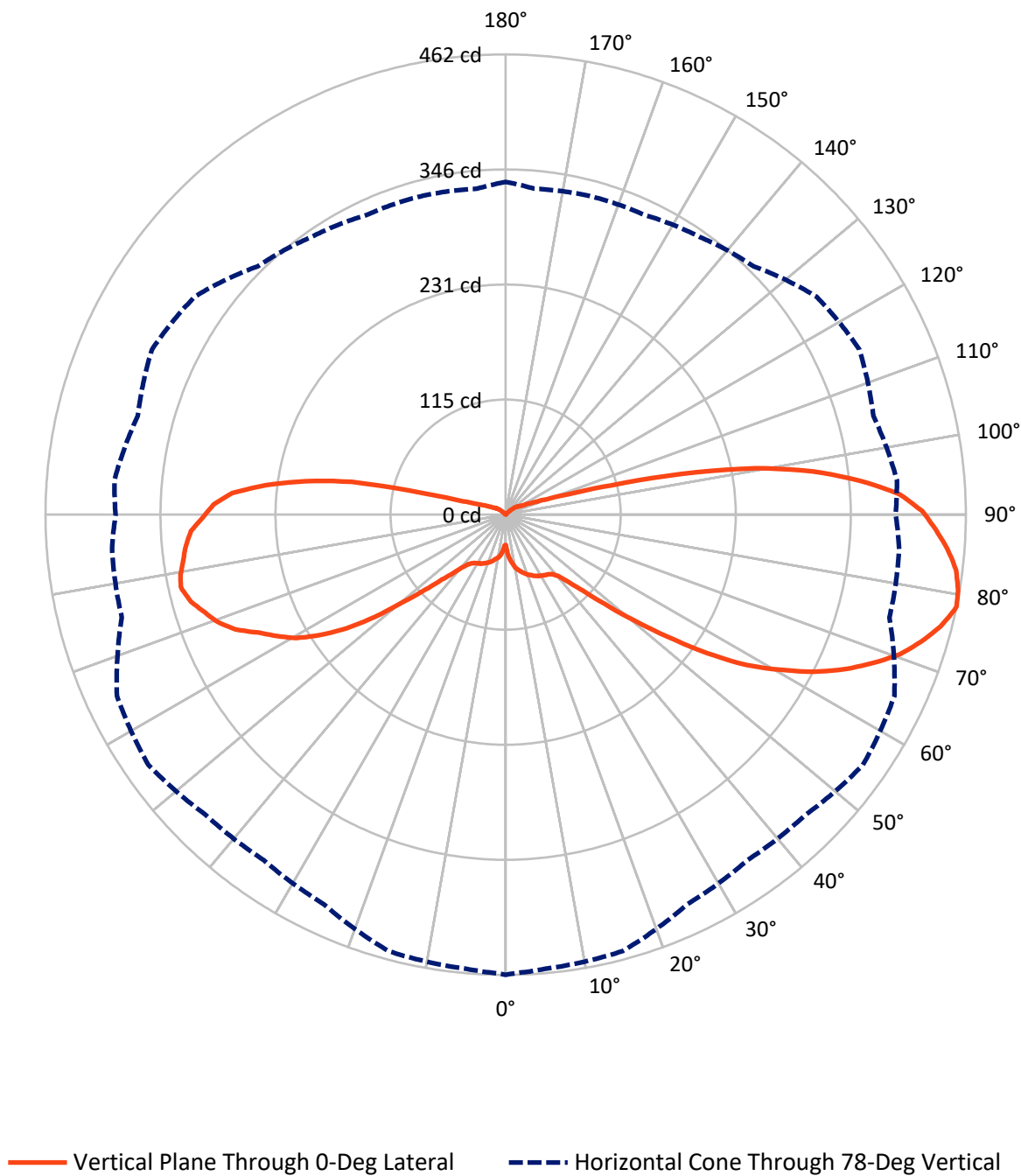


Based on 10 foot mounting height. Maximum calculated value = 0.5 fc
 Type I - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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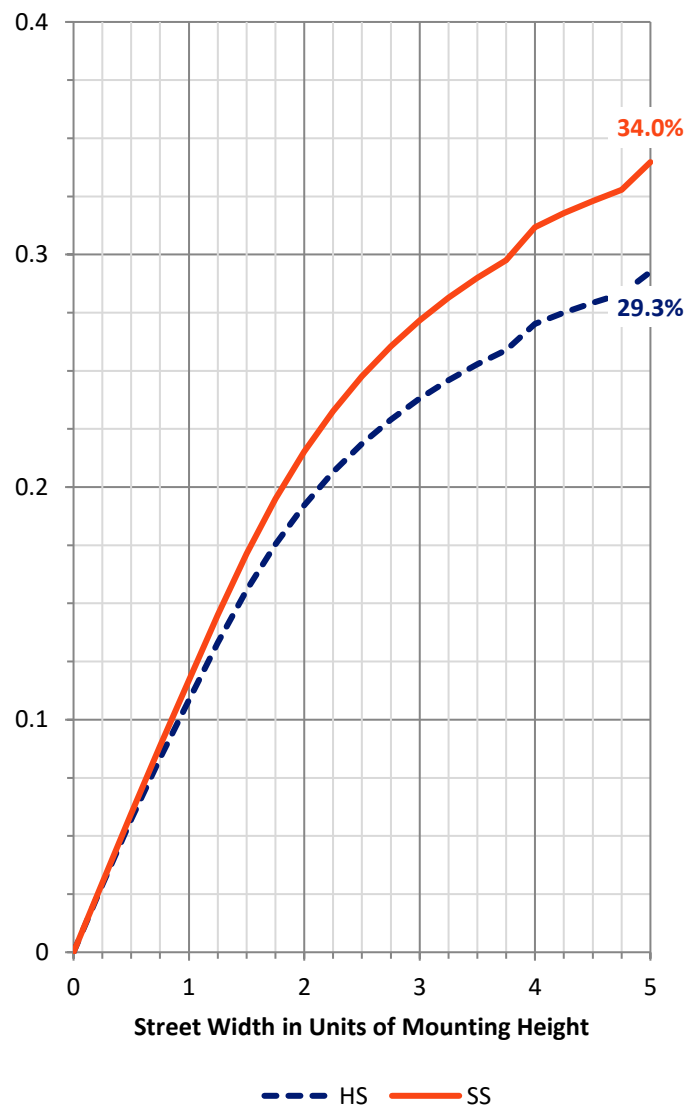
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	692.4	230.6	923.0
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	817.2	265.8	1083.0
	% Fixture	40.7	13.2	54.0
Total	Lumens	1509.6	496.4	2006.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.2
10°-20°	15.2	0.8
20°-30°	28.5	1.4
30°-40°	42.6	2.1
40°-50°	83.6	4.2
50°-60°	200.1	10.0
60°-70°	318.5	15.9
70°-80°	403.7	20.1
80°-90°	413.3	20.6
90°-100°	336.6	16.8
100°-110°	121.6	6.1
110°-120°	24.8	1.2
120°-130°	11.2	0.6
130°-140°	2.2	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°	1509.6	75.3
0°-180°	2006.0	100.0

Coefficient of Utilization



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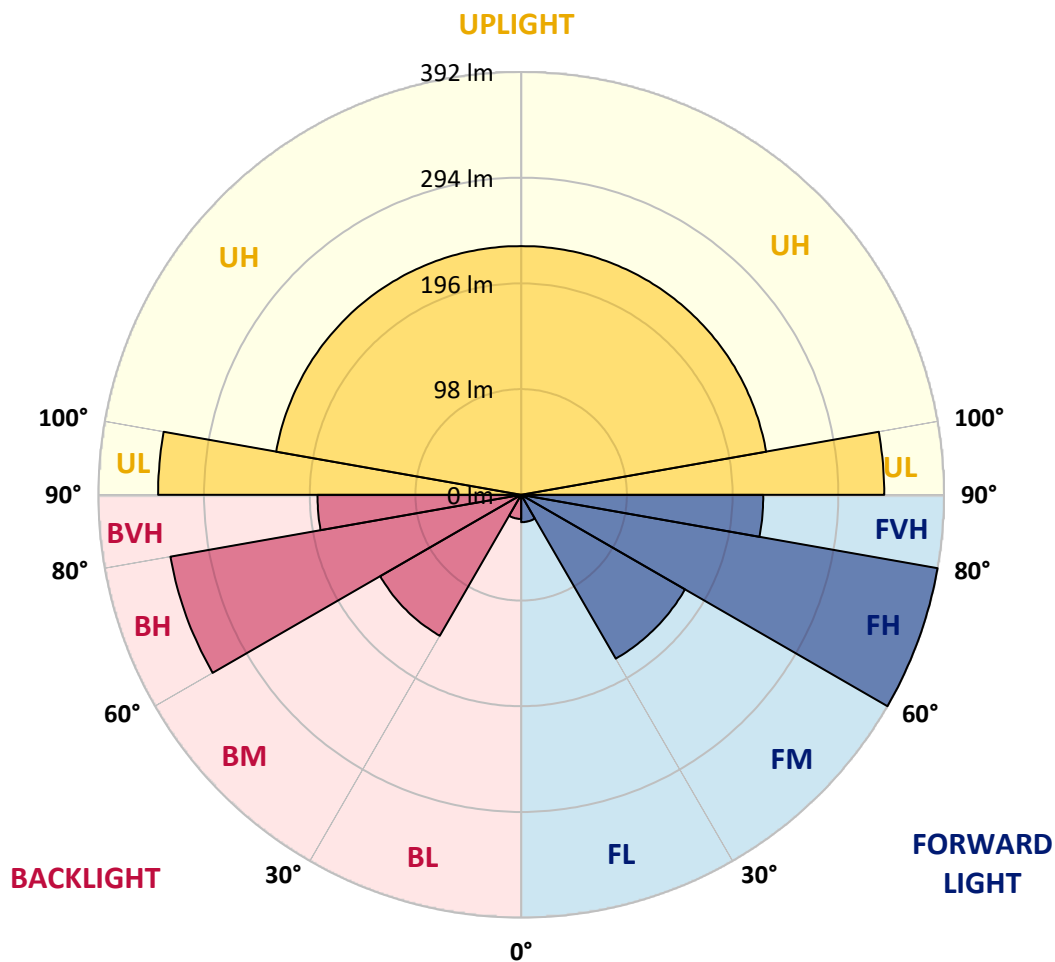
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	25.4	1.3			
FM	(30°-60°)	175.4	8.7			
FH	(60°-80°)	392.0	19.5			G0/660
FVH	(80°-90°)	224.4	11.2			G2/225
BL	(0°-30°)	22.4	1.1	B0/110		
BM	(30°-60°)	150.9	7.5	B0/220		
BH	(60°-80°)	330.2	16.5	B1/500		G1/500
BVH	(80°-90°)	188.9	9.4			G2/225
UL	(90°-100°)	336.6	16.8		U3/500	
UH	(100°-180°)	230.6	11.5		U3/500	

BUG Rating: B1-U3-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	39.0	38.7	38.4	37.8	38.1	37.8	37.2	36.4	35.5	34.6	34.0
5°	45.1	44.8	44.8	44.8	44.8	44.8	44.5	43.6	42.5	41.3	39.9
7.5°	49.7	49.5	49.5	49.7	49.7	49.5	48.9	48.3	47.4	46.8	45.7
10°	54.1	53.8	53.8	53.8	53.5	52.9	52.4	51.5	50.3	49.7	48.9
12.5°	57.0	56.7	56.7	56.4	56.1	55.6	54.4	53.2	52.7	51.8	50.9
15°	59.6	59.3	59.3	58.8	58.5	57.9	56.7	55.9	55.0	54.4	53.8
17.5°	62.0	62.0	61.7	61.1	60.8	60.2	59.3	58.2	57.3	56.7	55.9
20°	64.3	64.0	64.0	63.4	62.8	62.3	61.4	60.5	59.9	59.1	58.2
22.5°	66.0	66.0	65.7	65.5	64.9	64.6	63.4	62.8	62.0	61.4	60.5
25°	68.1	68.1	68.1	67.5	66.9	66.6	65.5	64.9	64.3	63.4	62.3
27.5°	69.8	69.5	69.8	69.2	68.4	68.1	66.9	66.0	65.5	64.9	63.7
30°	71.0	71.0	70.7	70.4	69.5	68.9	68.1	67.2	66.6	65.7	64.9
32.5°	72.4	71.8	72.4	71.3	70.7	69.8	68.9	67.8	67.2	66.3	65.5
35°	73.6	73.3	73.3	73.0	71.8	71.3	70.1	69.2	68.4	67.5	66.6
37.5°	75.6	75.6	75.6	75.0	74.5	74.8	73.9	72.7	71.8	70.7	69.2
40°	80.9	80.9	80.9	80.9	80.6	81.4	81.2	80.9	80.6	78.8	76.5
42.5°	91.6	91.9	91.6	91.6	91.9	93.7	94.0	94.5	93.7	91.0	87.8
45°	109.1	109.7	109.1	110.0	110.5	112.9	112.6	113.2	112.0	109.7	104.4
47.5°	134.4	135.3	135.6	133.8	134.1	136.4	137.9	138.5	137.3	132.1	127.4
50°	166.1	167.0	167.0	165.5	164.1	167.0	169.0	170.2	170.8	162.0	156.8
52.5°	203.3	204.5	204.2	202.5	199.6	205.7	207.4	212.9	211.5	198.4	192.6
55°	245.5	246.7	246.4	242.9	238.2	240.9	246.1	252.5	250.7	234.7	230.7
57.5°	284.8	285.4	285.4	281.0	275.5	273.7	277.2	284.8	281.9	263.3	259.8
60°	316.2	316.8	317.1	310.4	303.7	299.9	302.8	311.3	308.3	286.8	283.3
62.5°	347.3	345.0	342.7	337.1	327.8	323.5	324.1	335.1	329.3	305.7	303.1
65°	374.1	373.2	367.7	361.9	351.7	346.7	346.7	358.4	352.6	327.5	324.1
67.5°	397.6	397.6	391.2	385.7	372.0	366.2	365.1	379.0	371.8	346.2	341.8
70°	419.8	419.2	411.9	408.1	391.2	382.8	384.3	398.5	392.1	365.1	361.9
72.5°	436.0	436.0	430.8	427.3	406.7	398.8	399.4	414.5	407.2	378.7	374.4
75°	450.3	449.1	446.2	443.0	421.5	412.5	413.9	428.8	421.2	392.4	390.7
77.5°	460.5	459.6	457.0	453.5	429.9	421.8	424.1	437.5	430.8	397.9	395.6
78°	461.9	460.5	457.6	453.5	431.4	423.2	425.9	437.8	430.5	398.8	396.5
80°	460.5	459.3	456.1	451.8	432.3	422.7	424.1	434.6	427.0	397.4	394.2
82.5°	455.5	454.7	451.8	446.5	427.0	418.9	420.3	430.2	423.5	392.7	394.2
85°	445.1	443.0	440.7	435.5	418.6	409.3	410.4	420.0	412.5	382.2	381.4
87.5°	432.0	430.5	428.8	423.5	407.8	399.7	400.0	409.6	402.3	374.1	374.1
90°	418.0	416.3	414.8	409.9	394.4	386.6	386.9	397.6	391.8	365.9	367.4
92.5°	395.6	394.2	392.7	387.2	373.2	365.6	366.8	377.3	371.5	346.2	347.9
95°	356.9	355.8	356.0	352.0	339.5	332.5	332.8	343.3	337.7	315.6	320.3
97.5°	311.5	311.0	309.2	307.8	296.7	292.3	291.2	302.5	299.9	280.7	285.7
100°	255.4	254.2	252.2	251.6	244.6	242.9	243.8	254.5	253.1	236.5	241.4
102.5°	180.9	180.6	182.4	179.2	176.3	176.9	180.4	189.4	187.9	173.7	176.9
105°	110.0	110.2	108.8	107.9	105.6	105.3	105.9	108.5	105.3	95.7	96.3
107.5°	65.5	65.7	66.0	64.0	62.3	61.7	61.4	62.3	60.5	56.7	56.7



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CATALOG NUMBER: MPW-A2-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	44.5	44.5	44.8	43.6	42.2	42.2	41.9	42.8	42.2	40.1	40.1
112.5°	32.6	32.9	32.6	32.0	31.1	31.4	31.4	32.0	32.0	30.8	30.8
115°	25.3	25.3	25.3	24.7	24.1	24.1	24.4	25.0	25.3	24.7	24.7
117.5°	20.1	20.1	20.1	19.8	19.2	19.2	19.5	19.8	20.4	20.1	20.1
120°	16.9	16.9	16.9	16.6	16.3	16.3	16.6	16.9	17.2	16.9	16.9
122.5°	15.1	15.1	15.1	14.8	14.5	14.5	14.5	14.8	15.1	15.1	15.1
125°	13.7	13.7	13.7	13.7	13.1	12.8	13.1	13.4	13.7	14.0	14.0
127.5°	11.3	11.3	11.6	11.3	11.1	11.1	11.3	11.3	11.9	12.2	12.2
130°	8.4	8.4	8.7	8.7	8.4	8.1	8.4	8.7	9.3	9.6	9.3
132.5°	5.2	5.5	5.5	5.5	5.2	5.2	5.5	5.8	6.4	6.7	6.4
135°	0.6	0.6	0.9	0.6	0.9	0.9	0.9	1.2	1.7	2.0	2.0
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	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.3	0.3	0.3	0.0	0.3	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°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	33.7	34.0	33.5	33.2	32.9	32.6	32.3	31.7	31.4	31.4	31.1
5°	39.6	39.3	38.7	37.8	37.5	37.2	36.9	36.7	36.7	36.7	36.7
7.5°	45.1	44.5	43.1	42.2	41.9	42.2	41.6	41.3	41.0	40.7	40.7
10°	48.3	47.7	46.8	46.0	45.4	45.4	45.1	44.5	43.9	43.6	43.6
12.5°	50.3	49.7	49.2	48.3	47.7	47.4	47.1	46.3	45.4	45.4	45.1
15°	53.2	52.7	51.8	50.9	50.3	49.7	49.5	48.3	47.4	47.1	47.1
17.5°	55.6	55.0	54.4	53.5	52.7	51.8	51.2	50.3	49.5	49.2	49.2
20°	57.9	57.3	56.4	55.9	54.7	53.8	53.2	52.4	51.5	51.2	50.9
22.5°	60.2	59.6	58.8	58.2	57.0	55.9	55.0	54.1	52.9	52.7	52.4
25°	62.0	61.4	60.8	59.9	58.8	57.6	56.4	55.3	54.7	54.1	53.8
27.5°	63.4	63.1	62.5	61.7	60.2	59.1	57.9	56.7	55.9	55.3	55.3
30°	64.6	64.3	63.7	62.8	61.7	60.5	59.3	58.2	57.0	56.4	56.1
32.5°	65.5	64.9	64.6	63.7	62.8	61.7	60.5	59.3	58.2	57.6	57.3
35°	66.3	66.0	65.5	64.9	63.7	62.8	61.7	60.8	59.6	59.3	59.1
37.5°	68.9	68.7	68.1	66.9	66.0	65.2	64.3	63.4	62.8	62.5	62.3
40°	76.5	75.3	74.2	73.0	71.3	70.1	69.2	68.9	68.7	68.7	68.9
42.5°	86.7	86.1	85.2	83.2	80.9	79.1	78.2	78.5	78.2	78.2	78.8
45°	103.0	101.8	100.6	98.9	94.8	91.9	91.0	90.5	91.0	90.8	91.3
47.5°	124.2	125.1	121.0	119.0	114.6	110.2	109.7	107.9	109.1	109.7	110.5
50°	153.6	154.5	150.7	146.6	141.7	134.4	133.2	131.2	132.1	134.7	134.4
52.5°	190.8	191.1	187.3	183.3	177.2	167.0	165.5	163.2	162.3	166.1	166.4
55°	229.5	231.0	225.1	222.2	216.1	201.9	197.2	193.4	193.7	197.8	196.9
57.5°	259.8	260.3	255.1	253.7	247.0	229.5	224.3	216.4	219.0	221.9	221.9
60°	282.7	283.3	276.9	277.8	272.6	250.2	245.5	236.8	238.8	240.9	244.1
62.5°	302.5	304.6	295.8	297.6	292.9	268.2	261.5	254.8	257.1	257.4	259.5
65°	323.2	323.5	314.5	316.8	310.7	286.5	276.1	269.7	272.9	272.3	274.9
67.5°	340.9	341.5	331.9	337.1	329.9	304.3	294.1	286.8	289.4	287.4	294.7
70°	359.2	361.0	347.3	352.3	346.2	318.8	307.5	300.5	301.4	299.0	308.3
72.5°	370.6	374.4	363.3	369.4	360.7	332.2	321.7	315.6	313.6	311.0	317.4
75°	383.7	387.5	372.6	381.4	373.8	345.0	333.9	328.4	324.1	322.6	327.5
77.5°	391.0	395.0	384.3	390.7	380.8	351.4	338.9	330.5	329.3	327.8	333.4
78°	391.5	394.2	382.2	391.8	381.1	352.3	340.1	331.6	330.7	328.4	333.9
80°	389.5	391.8	380.8	389.5	379.3	350.5	338.9	327.8	328.4	325.2	331.9
82.5°	388.3	391.0	379.9	385.7	378.4	348.2	338.6	325.5	325.5	320.3	326.7
85°	375.8	379.0	370.0	377.0	369.4	340.6	332.5	318.5	318.5	314.5	322.3
87.5°	369.1	372.3	361.3	370.9	361.6	331.9	325.5	313.9	313.0	308.6	316.2
90°	361.0	364.8	353.4	358.1	350.8	322.6	315.6	302.5	301.4	296.7	303.7
92.5°	341.5	345.0	334.2	341.2	334.5	309.2	302.2	291.8	289.7	286.5	293.2
95°	315.0	319.1	310.7	317.9	311.0	288.3	283.0	275.2	273.1	271.1	275.2
97.5°	280.7	282.5	276.3	283.0	276.9	257.1	252.8	244.9	241.4	240.9	242.3
100°	237.1	238.2	231.3	236.5	232.1	214.4	212.1	208.3	203.6	203.0	203.6
102.5°	176.0	171.0	165.5	163.5	162.9	149.5	151.0	153.0	151.0	153.3	158.2
105°	95.4	92.5	90.5	88.7	89.9	82.3	83.8	84.1	82.3	83.5	85.2
107.5°	56.1	55.3	54.4	53.5	51.8	49.2	48.6	46.5	46.5	46.5	47.1



REPORT NUMBER: P314582

CATALOG NUMBER: MPW-A2-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	39.9	39.6	38.7	38.4	36.9	35.2	34.9	34.0	33.5	33.5	34.0
112.5°	30.5	30.3	29.7	29.4	28.8	26.8	26.5	26.2	26.2	26.2	26.5
115°	24.4	24.1	23.9	23.3	22.4	20.9	21.2	20.7	20.7	20.9	20.9
117.5°	19.8	19.5	19.5	18.9	18.0	17.2	17.2	16.9	16.9	16.9	17.2
120°	16.9	16.6	16.3	16.0	15.1	14.3	14.3	14.0	14.3	14.3	14.3
122.5°	15.1	14.8	14.5	14.3	13.4	12.5	12.5	12.2	12.5	12.5	12.5
125°	13.7	13.4	13.1	12.5	11.6	11.1	11.1	11.1	11.1	11.1	11.1
127.5°	11.9	11.6	11.1	10.5	9.9	9.3	9.3	9.3	9.6	9.6	9.6
130°	9.3	8.7	8.4	7.9	7.3	6.7	7.0	7.3	7.6	7.6	7.6
132.5°	6.4	6.1	5.5	4.9	4.4	4.4	4.4	4.9	5.2	5.2	5.2
135°	1.7	1.7	1.7	1.5	1.5	1.5	1.7	2.3	2.3	2.6	2.6
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	0.3	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	0.3	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)