

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: P314583

Luminaire Tested: **MPW-A3-D-U-SYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314583
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-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: 3186 lumens
Efficiency: N/A
Efficacy: 111.0 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

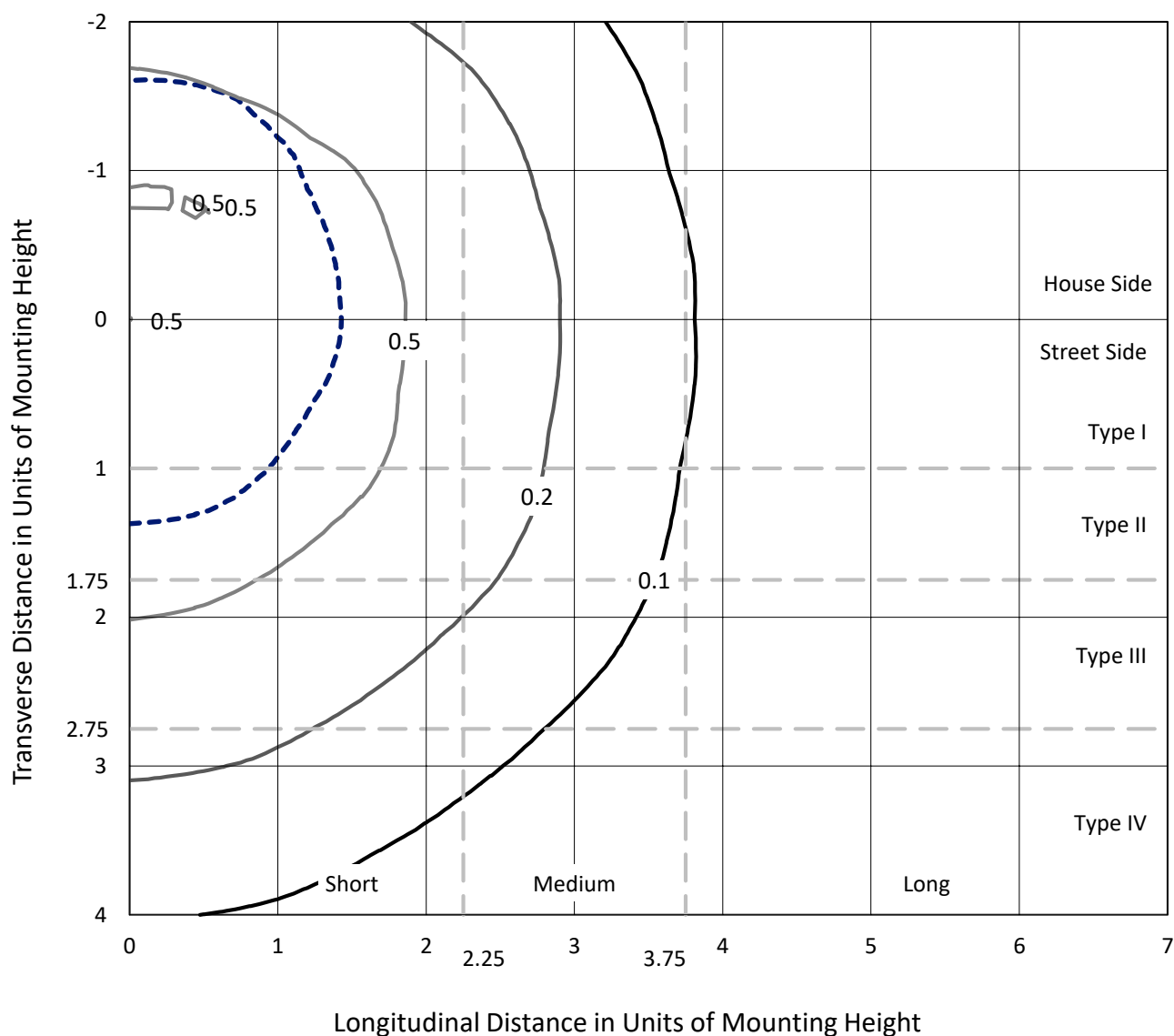


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

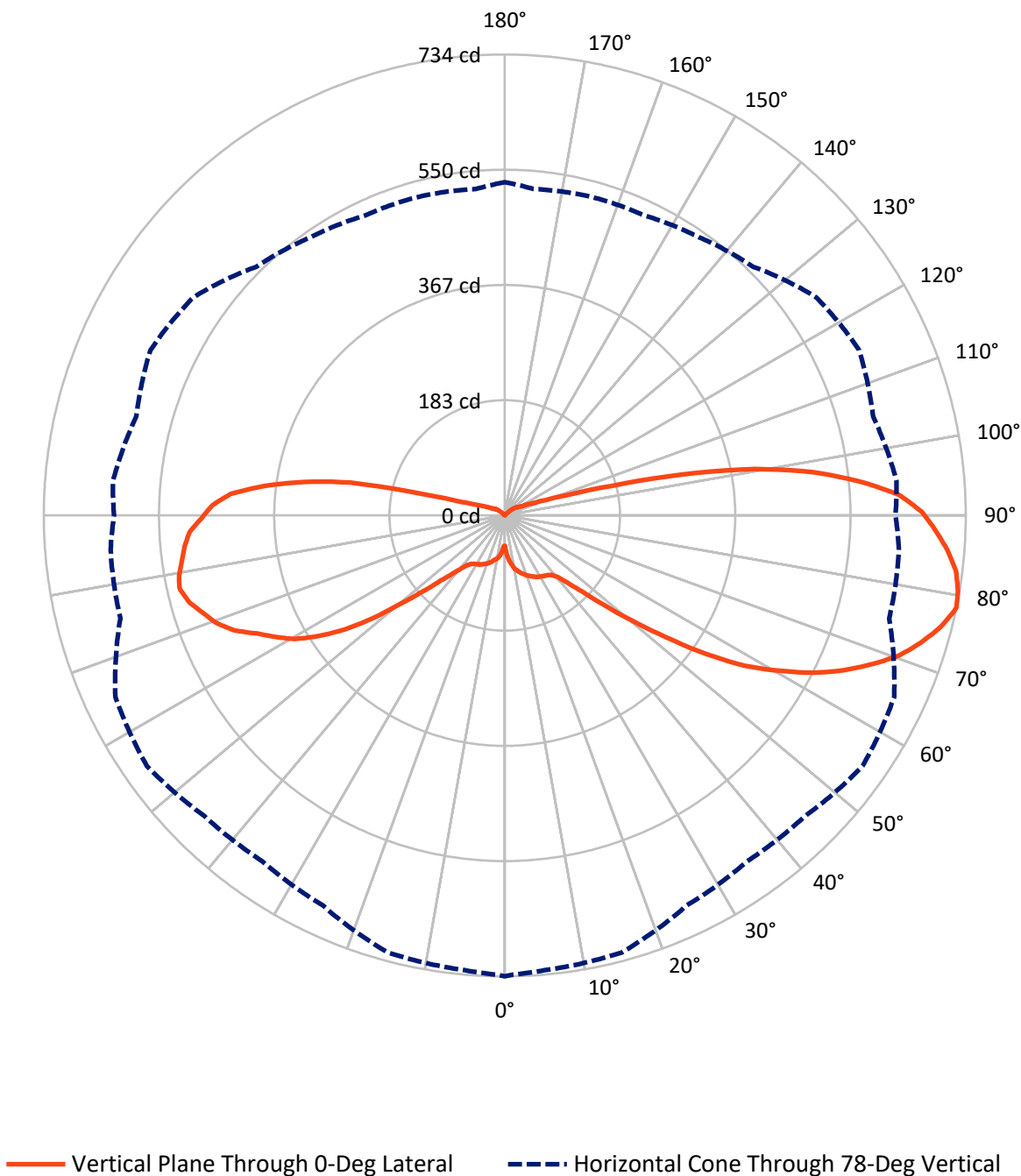


Based on 10 foot mounting height. Maximum calculated value = 0.9 fc
 Type I - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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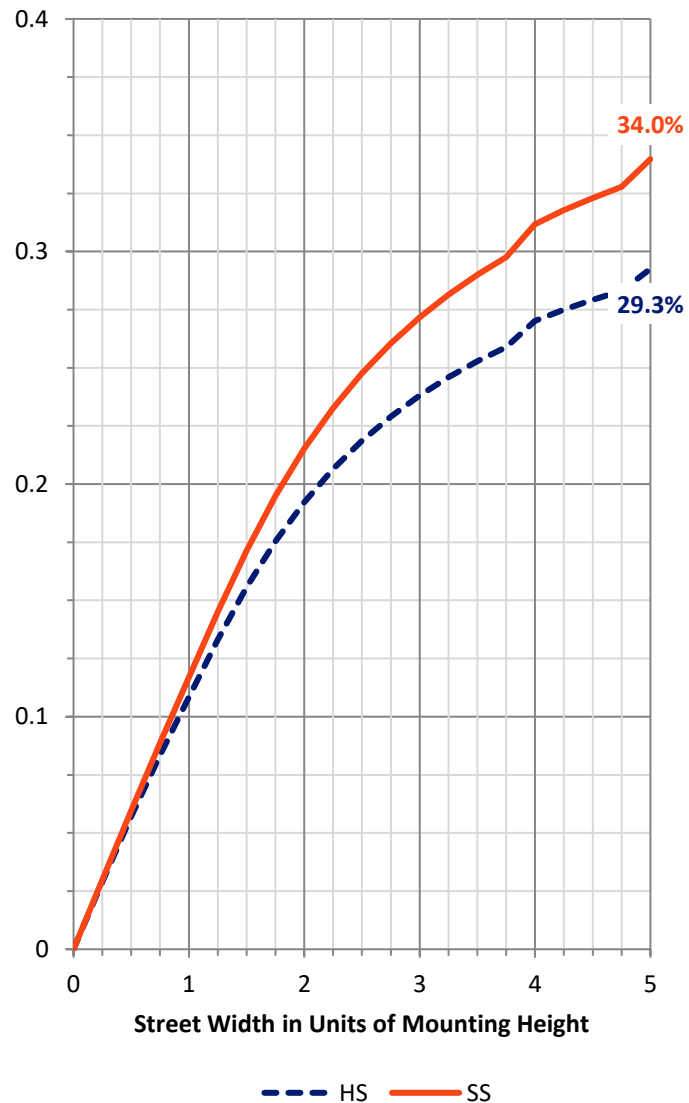
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1099.7	366.3	1466.0
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	1297.9	422.1	1720.1
	% Fixture	40.7	13.2	54.0
Total	Lumens	2397.6	788.4	3186.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	24.1	0.8
20°-30°	45.2	1.4
30°-40°	67.7	2.1
40°-50°	132.8	4.2
50°-60°	317.7	10.0
60°-70°	505.8	15.9
70°-80°	641.2	20.1
80°-90°	656.4	20.6
90°-100°	534.6	16.8
100°-110°	193.1	6.1
110°-120°	39.4	1.2
120°-130°	17.7	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°	2397.6	75.3
0°-180°	3186.0	100.0

Coefficient of Utilization



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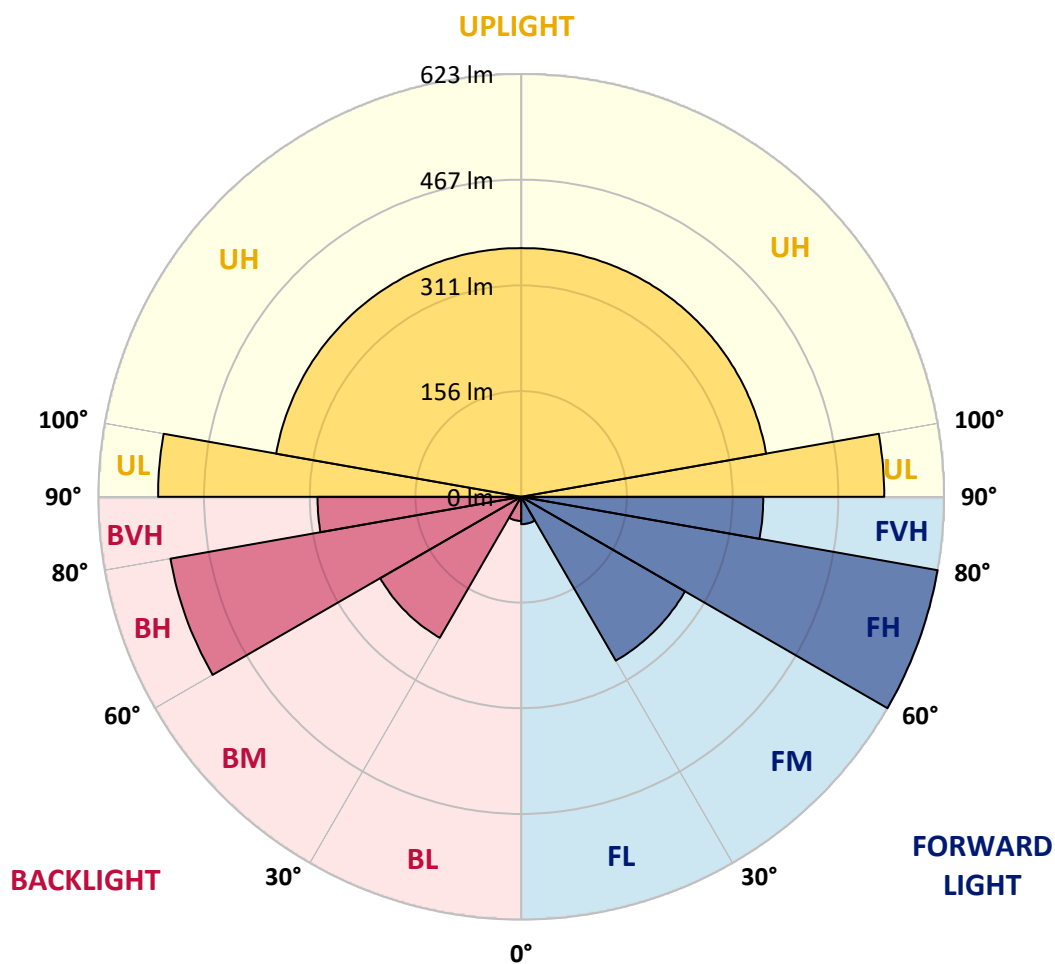
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.3	1.3			
FM	(30°-60°)	278.6	8.7			
FH	(60°-80°)	622.6	19.5			G0/660
FVH	(80°-90°)	356.4	11.2			G3/500
BL	(0°-30°)	35.5	1.1	B0/110		
BM	(30°-60°)	239.7	7.5	B1/1000		
BH	(60°-80°)	524.4	16.5	B2/1000		G2/1000
BVH	(80°-90°)	300.0	9.4			G3/500
UL	(90°-100°)	534.6	16.8		U4/1000	
UH	(100°-180°)	366.3	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°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	61.9	61.4	61.0	60.1	60.5	60.1	59.1	57.8	56.4	55.0	54.1
5°	71.6	71.1	71.1	71.1	71.1	71.1	70.7	69.3	67.5	65.6	63.3
7.5°	79.0	78.5	78.5	79.0	79.0	78.5	77.6	76.7	75.3	74.4	72.5
10°	85.9	85.5	85.5	85.5	85.0	84.1	83.2	81.8	79.9	79.0	77.6
12.5°	90.6	90.1	90.1	89.6	89.2	88.2	86.4	84.5	83.6	82.2	80.9
15°	94.7	94.2	94.2	93.3	92.9	91.9	90.1	88.7	87.3	86.4	85.5
17.5°	98.4	98.4	97.9	97.0	96.6	95.6	94.2	92.4	91.0	90.1	88.7
20°	102.1	101.6	101.6	100.7	99.8	98.9	97.5	96.1	95.2	93.8	92.4
22.5°	104.9	104.9	104.4	104.0	103.0	102.6	100.7	99.8	98.4	97.5	96.1
25°	108.1	108.1	108.1	107.2	106.3	105.8	104.0	103.0	102.1	100.7	98.9
27.5°	110.9	110.4	110.9	110.0	108.6	108.1	106.3	104.9	104.0	103.0	101.2
30°	112.7	112.7	112.3	111.8	110.4	109.5	108.1	106.7	105.8	104.4	103.0
32.5°	115.0	114.1	115.0	113.2	112.3	110.9	109.5	107.6	106.7	105.3	104.0
35°	116.9	116.4	116.4	116.0	114.1	113.2	111.3	110.0	108.6	107.2	105.8
37.5°	120.1	120.1	120.1	119.2	118.3	118.7	117.3	115.5	114.1	112.3	110.0
40°	128.4	128.4	128.4	128.4	128.0	129.4	128.9	128.4	128.0	125.2	121.5
42.5°	145.5	146.0	145.5	145.5	146.0	148.8	149.2	150.2	148.8	144.6	139.5
45°	173.3	174.2	173.3	174.6	175.6	179.3	178.8	179.7	177.9	174.2	165.9
47.5°	213.4	214.8	215.3	212.5	213.0	216.7	219.0	219.9	218.1	209.7	202.4
50°	263.8	265.2	265.2	262.9	260.6	265.2	268.4	270.3	271.2	257.3	249.0
52.5°	322.9	324.8	324.3	321.6	316.9	326.6	329.4	338.2	335.9	315.1	305.8
55°	389.9	391.8	391.3	385.8	378.4	382.5	390.9	401.0	398.2	372.8	366.4
57.5°	452.3	453.2	453.2	446.3	437.5	434.7	440.3	452.3	447.7	418.1	412.6
60°	502.2	503.1	503.6	493.0	482.3	476.3	480.9	494.3	489.7	455.5	450.0
62.5°	551.6	547.9	544.2	535.5	520.7	513.7	514.7	532.2	523.0	485.6	481.4
65°	594.1	592.7	584.0	574.7	558.6	550.7	550.7	569.2	559.9	520.2	514.7
67.5°	631.6	631.6	621.4	612.6	590.9	581.7	579.8	602.0	590.4	549.8	542.9
70°	666.7	665.7	654.2	648.2	621.4	608.0	610.3	632.9	622.8	579.8	574.7
72.5°	692.5	692.5	684.2	678.7	645.9	633.4	634.3	658.4	646.8	601.5	594.6
75°	715.2	713.3	708.7	703.6	669.4	655.1	657.4	681.0	669.0	623.2	620.5
77.5°	731.3	730.0	725.8	720.3	682.8	669.9	673.6	694.9	684.2	632.0	628.3
78°	733.7	731.3	726.7	720.3	685.1	672.2	676.4	695.3	683.8	633.4	629.7
80°	731.3	729.5	724.4	717.5	686.5	671.3	673.6	690.2	678.2	631.1	626.0
82.5°	723.5	722.1	717.5	709.2	678.2	665.3	667.6	683.3	672.7	623.7	626.0
85°	706.9	703.6	699.9	691.6	664.8	650.0	651.9	667.1	655.1	607.1	605.7
87.5°	686.1	683.8	681.0	672.7	647.7	634.8	635.3	650.5	638.9	594.1	594.1
90°	663.9	661.1	658.8	651.0	626.5	614.0	614.5	631.6	622.3	581.2	583.5
92.5°	628.3	626.0	623.7	614.9	592.7	580.7	582.6	599.2	590.0	549.8	552.6
95°	566.9	565.0	565.5	559.0	539.2	528.1	528.5	545.2	536.4	501.3	508.7
97.5°	494.8	493.9	491.1	488.8	471.2	464.3	462.5	480.5	476.3	445.8	453.7
100°	405.6	403.8	400.6	399.6	388.5	385.8	387.2	404.3	401.9	375.6	383.5
102.5°	287.4	286.9	289.7	284.6	280.0	280.9	286.4	300.8	298.5	275.8	280.9
105°	174.6	175.1	172.8	171.4	167.7	167.2	168.2	172.3	167.2	152.0	152.9
107.5°	104.0	104.4	104.9	101.6	98.9	97.9	97.5	98.9	96.1	90.1	90.1



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	70.7	70.7	71.1	69.3	67.0	67.0	66.5	67.9	67.0	63.8	63.8
112.5°	51.7	52.2	51.7	50.8	49.4	49.9	49.9	50.8	50.8	49.0	49.0
115°	40.2	40.2	40.2	39.3	38.3	38.3	38.8	39.7	40.2	39.3	39.3
117.5°	31.9	31.9	31.9	31.4	30.5	30.5	31.0	31.4	32.3	31.9	31.9
120°	26.8	26.8	26.8	26.3	25.9	25.9	26.3	26.8	27.3	26.8	26.8
122.5°	24.0	24.0	24.0	23.6	23.1	23.1	23.1	23.6	24.0	24.0	24.0
125°	21.7	21.7	21.7	21.7	20.8	20.3	20.8	21.3	21.7	22.2	22.2
127.5°	18.0	18.0	18.5	18.0	17.6	17.6	18.0	18.0	18.9	19.4	19.4
130°	13.4	13.4	13.9	13.9	13.4	12.9	13.4	13.9	14.8	15.2	14.8
132.5°	8.3	8.8	8.8	8.8	8.3	8.3	8.8	9.2	10.2	10.6	10.2
135°	0.9	0.9	1.4	0.9	1.4	1.4	1.4	1.8	2.8	3.2	3.2
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	0.5	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°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	53.6	54.1	53.1	52.7	52.2	51.7	51.3	50.4	49.9	49.9	49.4
5°	62.8	62.4	61.4	60.1	59.6	59.1	58.7	58.2	58.2	58.2	58.2
7.5°	71.6	70.7	68.4	67.0	66.5	67.0	66.1	65.6	65.1	64.7	64.7
10°	76.7	75.8	74.4	73.0	72.1	72.1	71.6	70.7	69.8	69.3	69.3
12.5°	79.9	79.0	78.1	76.7	75.8	75.3	74.8	73.5	72.1	72.1	71.6
15°	84.5	83.6	82.2	80.9	79.9	79.0	78.5	76.7	75.3	74.8	74.8
17.5°	88.2	87.3	86.4	85.0	83.6	82.2	81.3	79.9	78.5	78.1	78.1
20°	91.9	91.0	89.6	88.7	86.9	85.5	84.5	83.2	81.8	81.3	80.9
22.5°	95.6	94.7	93.3	92.4	90.6	88.7	87.3	85.9	84.1	83.6	83.2
25°	98.4	97.5	96.6	95.2	93.3	91.5	89.6	87.8	86.9	85.9	85.5
27.5°	100.7	100.3	99.3	97.9	95.6	93.8	91.9	90.1	88.7	87.8	87.8
30°	102.6	102.1	101.2	99.8	97.9	96.1	94.2	92.4	90.6	89.6	89.2
32.5°	104.0	103.0	102.6	101.2	99.8	97.9	96.1	94.2	92.4	91.5	91.0
35°	105.3	104.9	104.0	103.0	101.2	99.8	97.9	96.6	94.7	94.2	93.8
37.5°	109.5	109.0	108.1	106.3	104.9	103.5	102.1	100.7	99.8	99.3	98.9
40°	121.5	119.7	117.8	116.0	113.2	111.3	110.0	109.5	109.0	109.0	109.5
42.5°	137.7	136.8	135.4	132.1	128.4	125.7	124.3	124.7	124.3	124.3	125.2
45°	163.5	161.7	159.9	157.1	150.6	146.0	144.6	143.7	144.6	144.1	145.1
47.5°	197.3	198.7	192.2	189.0	182.0	175.1	174.2	171.4	173.3	174.2	175.6
50°	243.9	245.3	239.3	232.8	225.0	213.4	211.6	208.4	209.7	213.9	213.4
52.5°	303.1	303.5	297.5	291.1	281.4	265.2	262.9	259.2	257.8	263.8	264.3
55°	364.5	366.8	357.6	353.0	343.3	320.6	313.2	307.2	307.7	314.2	312.8
57.5°	412.6	413.5	405.2	402.9	392.2	364.5	356.2	343.7	347.9	352.5	352.5
60°	449.1	450.0	439.8	441.2	432.9	397.3	389.9	376.1	379.3	382.5	387.6
62.5°	480.5	483.7	469.9	472.6	465.2	426.0	415.3	404.7	408.4	408.9	412.1
65°	513.3	513.7	499.4	503.1	493.4	455.1	438.4	428.3	433.4	432.4	436.6
67.5°	541.5	542.4	527.1	535.5	523.9	483.3	467.1	455.5	459.7	456.5	468.0
70°	570.6	573.3	551.6	559.5	549.8	506.4	488.3	477.2	478.6	474.9	489.7
72.5°	588.6	594.6	577.0	586.7	572.9	527.6	511.0	501.3	498.0	493.9	504.0
75°	609.4	615.4	591.8	605.7	593.7	547.9	530.4	521.6	514.7	512.4	520.2
77.5°	620.9	627.4	610.3	620.5	604.8	558.1	538.2	524.8	523.0	520.7	529.5
78°	621.9	626.0	607.1	622.3	605.2	559.5	540.1	526.7	525.3	521.6	530.4
80°	618.6	622.3	604.8	618.6	602.5	556.7	538.2	520.7	521.6	516.5	527.1
82.5°	616.8	620.9	603.4	612.6	601.1	553.0	537.8	517.0	517.0	508.7	518.8
85°	596.9	602.0	587.7	598.8	586.7	541.0	528.1	505.9	505.9	499.4	511.9
87.5°	586.3	591.4	573.8	589.1	574.3	527.1	517.0	498.5	497.1	490.2	502.2
90°	573.3	579.4	561.3	568.7	557.2	512.4	501.3	480.5	478.6	471.2	482.3
92.5°	542.4	547.9	530.8	541.9	531.3	491.1	480.0	463.4	460.2	455.1	465.7
95°	500.3	506.8	493.4	505.0	493.9	457.8	449.5	437.1	433.8	430.6	437.1
97.5°	445.8	448.6	438.9	449.5	439.8	408.4	401.5	389.0	383.5	382.5	384.8
100°	376.5	378.4	367.3	375.6	368.7	340.5	336.8	330.8	323.4	322.5	323.4
102.5°	279.5	271.7	262.9	259.6	258.7	237.5	239.8	243.0	239.8	243.5	251.3
105°	151.5	146.9	143.7	140.9	142.8	130.7	133.1	133.5	130.7	132.6	135.4
107.5°	89.2	87.8	86.4	85.0	82.2	78.1	77.2	73.9	73.9	73.9	74.8



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CATALOG NUMBER: MPW-A3-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	63.3	62.8	61.4	61.0	58.7	55.9	55.4	54.1	53.1	53.1	54.1
112.5°	48.5	48.0	47.1	46.7	45.7	42.5	42.0	41.6	41.6	41.6	42.0
115°	38.8	38.3	37.9	37.0	35.6	33.3	33.7	32.8	32.8	33.3	33.3
117.5°	31.4	31.0	31.0	30.0	28.6	27.3	27.3	26.8	26.8	26.8	27.3
120°	26.8	26.3	25.9	25.4	24.0	22.6	22.6	22.2	22.6	22.6	22.6
122.5°	24.0	23.6	23.1	22.6	21.3	19.9	19.9	19.4	19.9	19.9	19.9
125°	21.7	21.3	20.8	19.9	18.5	17.6	17.6	17.6	17.6	17.6	17.6
127.5°	18.9	18.5	17.6	16.6	15.7	14.8	14.8	14.8	15.2	15.2	15.2
130°	14.8	13.9	13.4	12.5	11.6	10.6	11.1	11.6	12.0	12.0	12.0
132.5°	10.2	9.7	8.8	7.9	6.9	6.9	6.9	7.9	8.3	8.3	8.3
135°	2.8	2.8	2.8	2.3	2.3	2.3	2.8	3.7	3.7	4.2	4.2
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	0.5	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)