

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: P314600

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1906-378-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPW-A2-D-U-ASYM-7030
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 3000K LIGHT ENGINE. ASYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1990 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

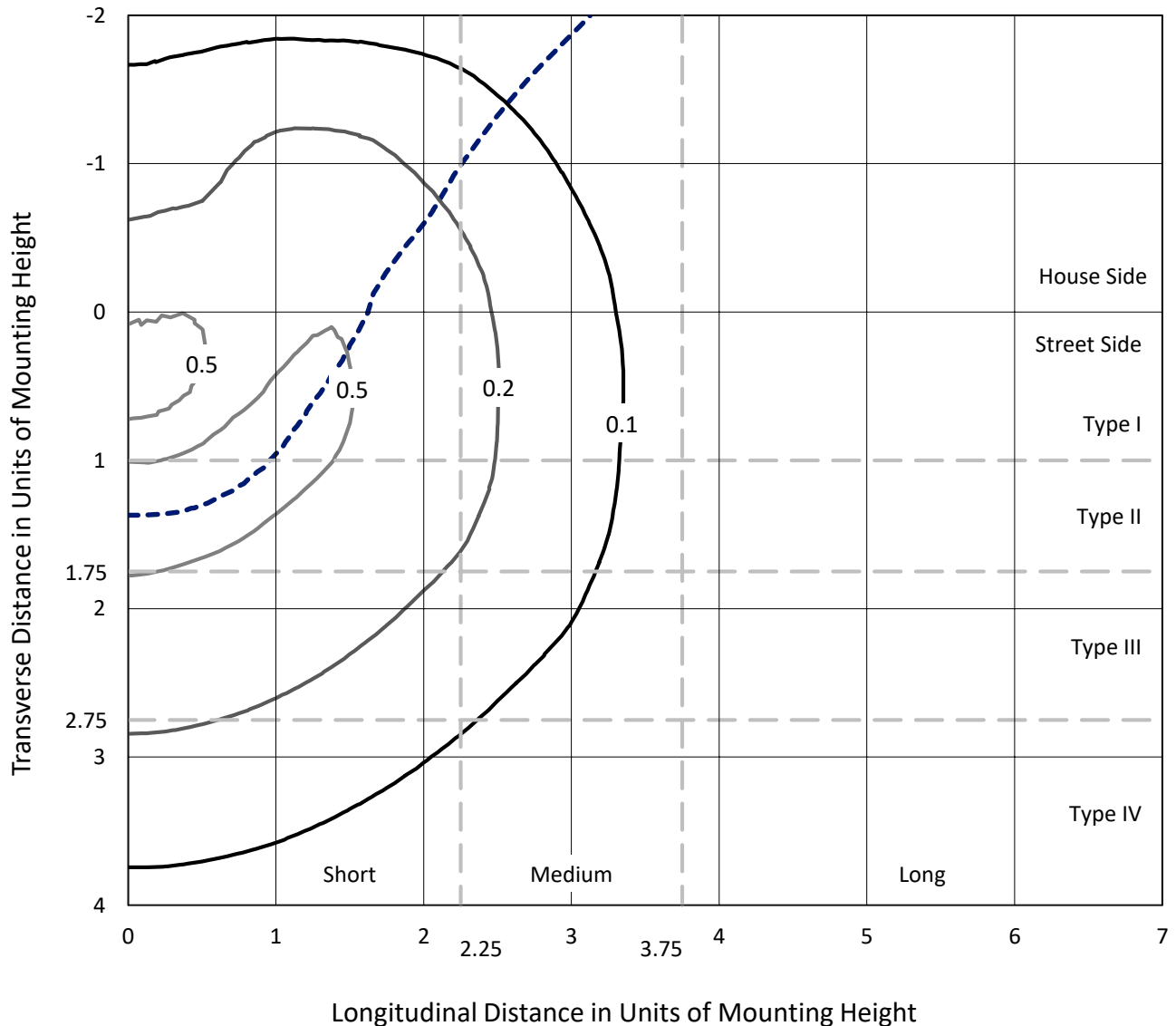
Input Watts (W): 17.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

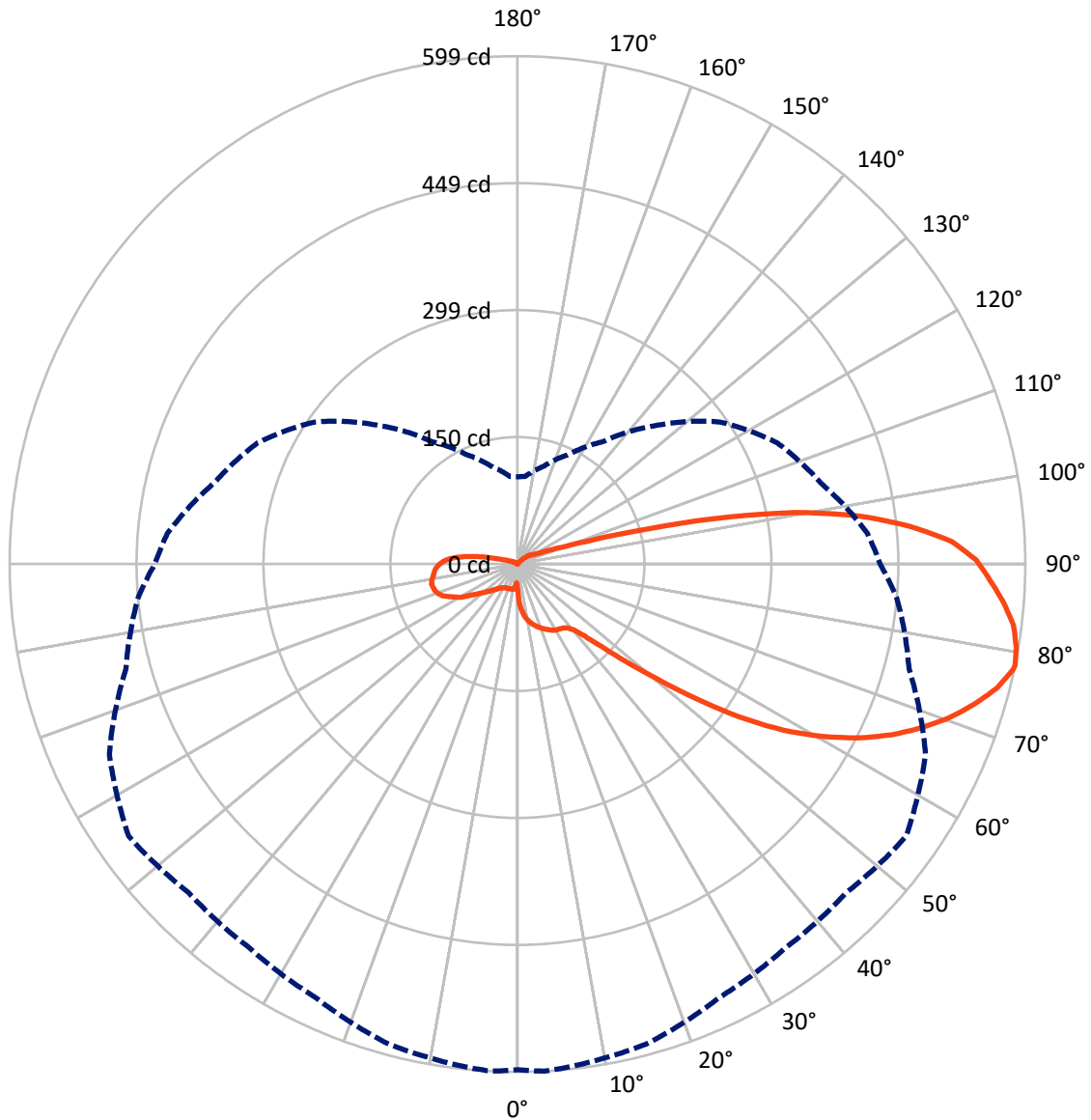


Based on 10 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 3-Deg Lateral

- - - Horizontal Cone Through 78-Deg Vertical



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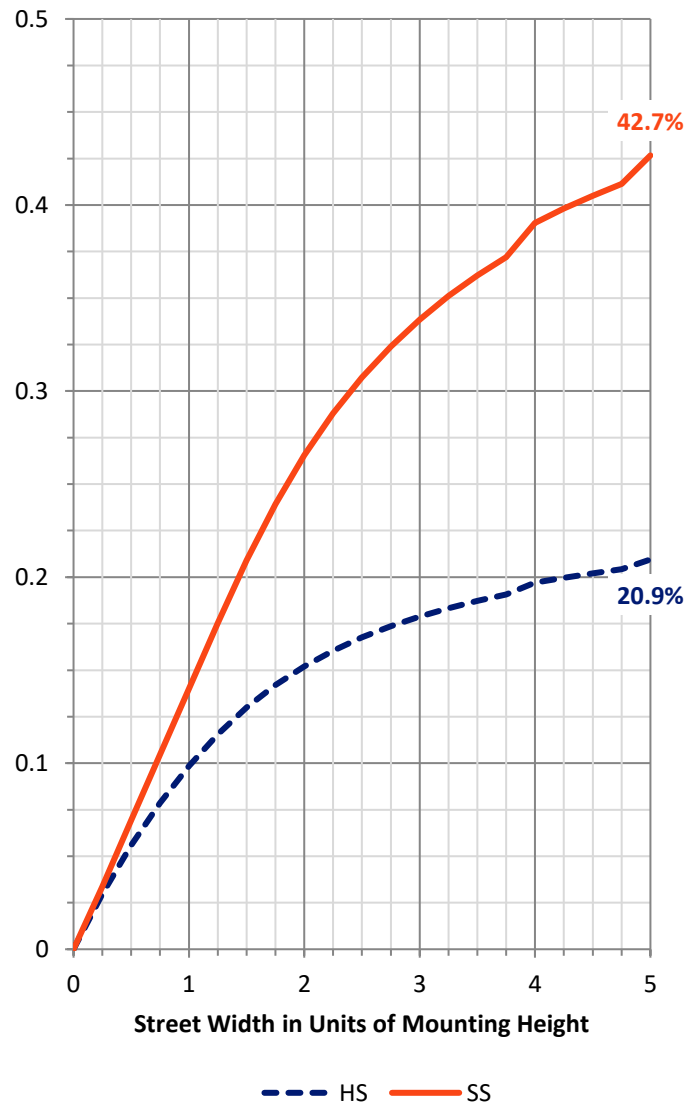
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.3	153.3	628.6
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	1023.9	337.4	1361.4
	% Fixture	51.5	17.0	68.4
Total	Lumens	1499.3	490.7	1990.0
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.2
10°-20°	15.1	0.8
20°-30°	28.4	1.4
30°-40°	42.2	2.1
40°-50°	82.6	4.2
50°-60°	197.4	9.9
60°-70°	316.5	15.9
70°-80°	401.5	20.2
80°-90°	411.5	20.7
90°-100°	332.8	16.7
100°-110°	120.6	6.1
110°-120°	24.5	1.2
120°-130°	10.8	0.5
130°-140°	2.0	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°	1499.3	75.3
0°-180°	1990.0	100.0



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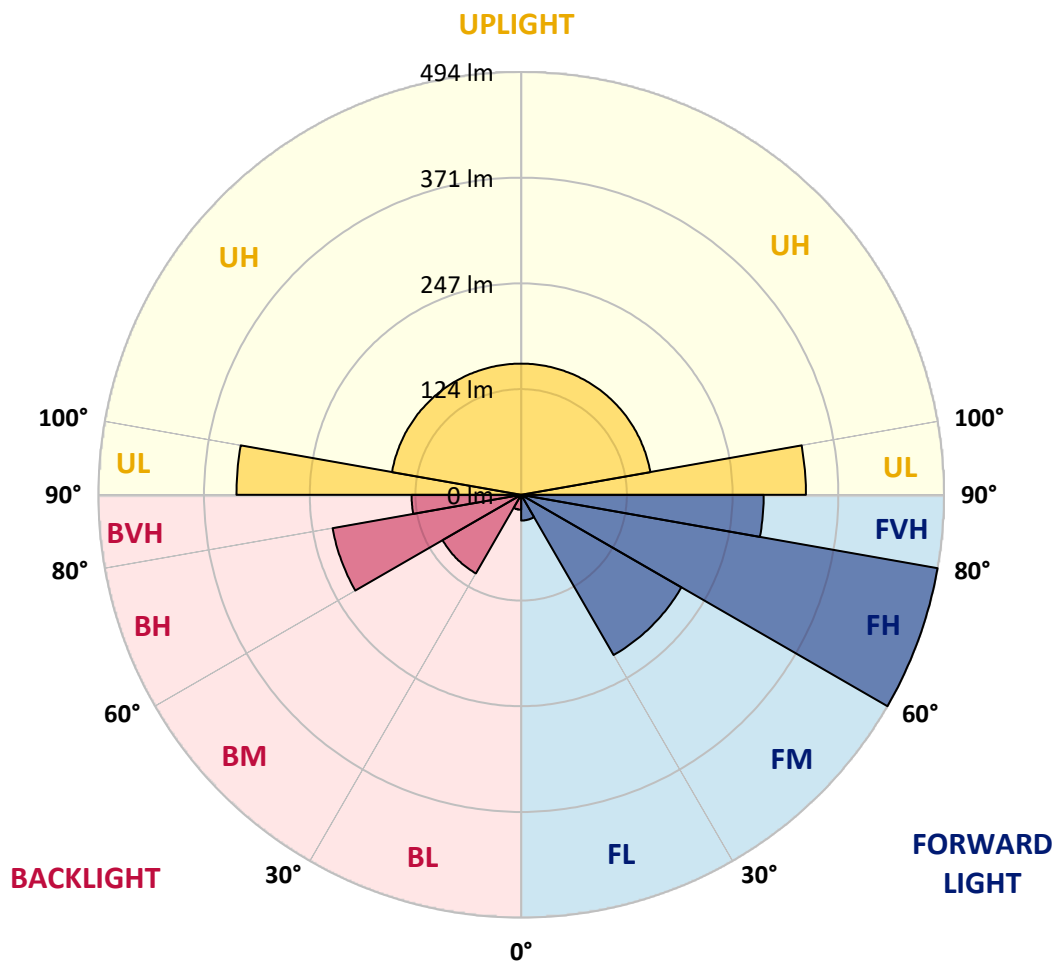
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	30.1	1.5			
FM	(30°-60°)	216.2	10.9			
FH	(60°-80°)	494.2	24.8			G0/660
FVH	(80°-90°)	283.4	14.2			G3/500
BL	(0°-30°)	17.5	0.9	B0/110		
BM	(30°-60°)	106.0	5.3	B0/220		
BH	(60°-80°)	223.8	11.2	B1/500		G1/500
BVH	(80°-90°)	128.1	6.4			G2/225
UL	(90°-100°)	332.8	16.7		U3/500	
UH	(100°-180°)	153.3	7.7		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
2.5°	47.7	46.8	46.8	46.2	45.6	43.8	42.9	41.1	38.9	36.5	34.4
5°	56.2	55.6	55.6	55.3	55.0	53.4	51.9	49.5	46.5	43.5	39.9
7.5°	62.5	62.5	62.2	61.9	61.0	59.2	57.4	55.0	51.9	49.2	46.2
10°	67.6	67.6	67.6	66.7	65.5	64.0	61.6	58.9	55.6	52.5	49.2
12.5°	71.3	71.3	71.3	70.0	68.8	67.3	64.6	61.9	58.6	55.6	52.2
15°	75.2	74.9	75.2	73.1	71.9	70.3	67.6	65.2	61.9	59.2	55.9
17.5°	77.9	77.9	77.6	76.7	75.2	73.4	70.7	68.2	65.2	62.2	58.9
20°	80.6	80.6	80.3	79.4	78.2	76.4	74.0	71.0	68.2	65.2	61.6
22.5°	83.0	83.3	83.0	82.1	80.9	79.4	77.3	74.3	71.3	67.9	64.3
25°	85.7	85.7	86.0	85.1	83.6	82.1	80.0	77.3	74.3	70.7	66.4
27.5°	88.5	88.5	88.5	87.6	85.7	84.2	81.8	79.4	76.1	72.2	67.9
30°	90.0	90.3	90.0	89.4	87.6	85.7	83.3	80.6	77.3	73.1	68.8
32.5°	91.2	91.2	91.2	90.3	88.5	86.7	84.2	80.9	77.6	73.7	69.1
35°	92.7	92.7	92.4	91.5	90.0	88.2	85.4	82.4	78.8	74.9	70.0
37.5°	95.4	95.4	95.1	94.2	92.7	91.5	89.1	86.0	82.7	78.8	73.1
40°	102.4	102.1	101.7	101.4	100.2	100.2	98.4	95.7	91.8	88.2	80.9
42.5°	116.5	115.6	115.6	115.6	115.0	115.9	115.3	112.6	108.7	103.9	95.1
45°	140.1	138.3	138.3	137.7	138.9	139.2	139.2	136.5	131.6	125.6	115.0
47.5°	173.6	170.6	171.2	169.1	168.2	171.2	171.8	167.3	164.5	154.6	140.1
50°	215.6	211.7	213.5	210.1	206.5	210.4	212.3	209.5	205.6	192.6	176.0
52.5°	263.9	263.0	260.3	256.0	256.3	258.4	260.0	265.1	257.2	240.6	220.4
55°	319.7	318.8	317.9	308.9	309.2	309.2	311.9	317.0	310.4	285.9	266.0
57.5°	372.3	369.6	370.2	359.3	356.6	349.9	353.9	360.2	348.4	320.3	298.3
60°	414.5	412.4	410.9	401.6	397.0	388.0	386.8	394.6	381.3	347.8	323.1
62.5°	452.0	451.4	449.3	436.0	432.4	419.4	417.0	424.5	407.6	370.2	345.1
65°	487.6	485.2	478.9	468.0	463.2	447.8	447.5	455.9	437.5	396.1	367.7
67.5°	516.0	514.5	513.9	497.0	487.6	473.7	471.3	482.8	461.3	413.9	385.9
70°	541.4	541.4	539.5	526.0	511.8	499.4	496.1	509.7	485.2	438.7	409.4
72.5°	564.6	563.7	562.8	550.7	532.6	519.0	514.8	530.5	502.7	452.6	424.2
75°	581.5	583.9	581.8	570.9	551.0	536.8	533.2	548.0	519.3	469.5	440.2
77.5°	594.2	597.5	595.4	584.5	562.2	549.2	545.9	558.6	529.6	477.0	449.0
78°	596.3	598.7	596.9	586.0	563.7	551.9	548.0	559.5	530.8	477.9	448.7
80°	595.1	596.3	595.7	586.6	562.8	551.6	545.6	556.8	528.4	474.6	445.0
82.5°	588.2	589.1	589.1	581.2	553.4	545.9	540.8	553.1	524.1	472.2	448.7
85°	572.8	574.6	575.2	569.4	542.0	534.4	528.4	540.1	509.0	459.2	433.3
87.5°	558.0	557.7	557.7	553.1	527.2	521.4	516.0	526.9	498.2	449.6	426.6
90°	540.4	540.8	541.7	536.5	510.6	505.4	499.7	512.7	484.6	441.4	420.3
92.5°	511.5	512.4	512.1	507.8	484.0	479.8	474.6	486.1	460.1	417.6	397.9
95°	462.6	464.4	463.8	460.7	442.3	435.4	430.5	443.5	419.7	381.6	365.6
97.5°	404.3	406.7	406.4	403.1	388.0	385.3	379.5	392.5	372.6	340.3	326.7
100°	329.1	333.3	331.5	329.4	321.6	320.3	318.5	331.8	316.7	291.1	279.0
102.5°	232.5	236.7	234.9	234.6	231.3	235.8	235.5	248.5	238.2	218.6	208.6
105°	142.2	144.3	142.8	141.0	138.0	141.0	137.7	140.4	133.1	119.3	112.6
107.5°	84.8	86.4	85.4	83.6	81.5	81.8	79.7	80.0	75.8	68.8	65.2



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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	57.1	57.7	57.4	55.6	54.3	54.6	53.7	53.7	52.2	48.6	46.2
112.5°	42.0	42.3	42.6	40.8	40.2	40.2	40.2	40.2	39.3	37.1	35.3
115°	32.3	32.6	32.6	31.4	30.8	31.1	31.1	31.4	31.1	29.6	28.4
117.5°	26.0	26.0	26.0	25.1	24.5	24.8	24.8	25.1	25.1	24.2	23.2
120°	21.7	22.0	22.0	21.4	20.8	20.8	20.8	20.8	21.1	20.5	19.6
122.5°	19.6	19.6	19.6	19.0	18.4	18.1	18.4	18.4	18.4	18.1	17.5
125°	17.8	17.8	17.8	17.2	16.6	16.3	16.6	16.6	16.9	16.6	16.0
127.5°	15.1	15.4	15.4	14.8	13.9	13.9	14.2	14.5	14.8	14.8	14.2
130°	11.2	11.5	11.5	11.2	10.3	10.3	10.9	11.2	11.8	11.8	11.2
132.5°	7.5	7.2	7.2	6.9	6.3	6.6	6.9	7.5	8.2	8.2	7.9
135°	1.2	0.9	0.9	0.9	0.9	0.9	1.5	1.5	2.1	2.4	2.4
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	0.3	0.3	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0
170°	0.3	0.3	0.3	0.0	0.3	0.3	0.0	0.3	0.3	0.0	0.0
172.5°	0.0	0.3	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
177.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
2.5°	33.5	32.6	30.5	29.0	26.9	25.7	24.2	22.9	22.3	22.0	22.0
5°	38.6	37.1	34.4	32.6	30.2	28.7	27.5	26.6	26.0	26.0	26.0
7.5°	44.7	42.6	39.3	36.2	34.1	32.6	31.4	30.2	29.3	29.0	28.7
10°	47.7	46.2	43.2	40.5	37.4	35.3	33.2	31.7	30.5	30.2	29.9
12.5°	50.4	48.6	45.3	42.6	39.3	36.5	34.1	32.0	30.5	29.9	29.6
15°	54.0	51.9	48.3	44.7	41.4	38.0	35.3	32.6	30.8	30.2	29.9
17.5°	57.1	55.0	51.0	47.4	43.5	39.9	36.5	33.5	31.4	30.8	30.5
20°	59.8	57.4	53.1	49.5	45.0	41.1	37.1	34.1	31.7	30.8	30.8
22.5°	62.2	59.8	55.6	51.3	46.5	42.0	38.0	34.4	32.0	31.1	30.8
25°	64.3	61.9	57.4	52.8	47.7	42.9	38.6	35.0	32.3	31.1	30.8
27.5°	65.8	63.4	58.9	54.0	48.9	43.8	39.6	35.6	32.9	31.4	31.4
30°	66.7	64.6	59.8	55.0	49.8	44.7	40.2	36.2	33.5	32.0	32.0
32.5°	67.0	64.9	60.4	55.6	50.7	45.6	41.1	37.1	34.4	32.9	32.9
35°	67.6	65.5	61.3	56.5	51.6	46.8	42.3	38.3	35.6	34.4	34.1
37.5°	70.3	68.2	63.4	58.3	53.1	48.3	43.8	39.9	37.1	35.9	35.9
40°	78.2	75.2	68.8	63.1	56.8	51.3	46.2	42.0	39.3	38.3	38.0
42.5°	90.9	87.9	80.0	71.9	64.0	57.1	50.1	45.0	42.0	40.8	40.8
45°	110.2	106.3	95.7	86.4	75.2	65.8	55.9	49.2	45.6	44.1	43.8
47.5°	135.3	130.4	117.8	103.6	90.0	77.9	64.0	54.6	49.8	47.7	47.4
50°	168.8	163.9	146.7	127.1	110.5	92.1	74.0	61.6	54.6	51.6	51.0
52.5°	211.3	206.2	183.6	158.2	136.8	111.4	85.7	69.1	60.4	56.5	55.9
55°	255.4	249.7	221.9	190.2	167.3	133.1	99.3	79.7	67.9	62.2	61.0
57.5°	286.5	280.2	249.4	214.1	192.0	150.1	112.9	90.0	76.7	68.8	68.2
60°	309.2	302.5	269.6	234.3	208.9	162.7	125.0	98.4	84.8	77.3	77.0
62.5°	329.4	324.0	287.7	252.4	222.2	173.3	135.9	108.7	92.7	83.9	81.5
65°	351.1	342.4	303.7	268.4	237.0	185.4	142.5	118.1	99.6	90.0	87.9
67.5°	369.6	360.2	323.7	287.7	251.2	195.0	151.3	126.5	108.1	96.0	95.4
70°	392.5	381.9	338.2	302.5	264.5	207.4	160.0	131.6	112.9	101.1	97.5
72.5°	405.8	394.6	352.7	317.6	274.1	217.7	166.1	134.1	116.2	103.6	99.9
75°	420.9	408.8	360.2	328.8	283.8	225.5	171.5	137.7	118.7	104.5	101.1
77.5°	427.5	414.8	372.0	336.6	292.3	230.4	175.4	141.0	119.0	104.5	103.6
78°	427.5	414.2	369.9	337.9	291.7	230.7	176.0	142.2	119.3	103.6	102.7
80°	424.8	411.5	366.5	337.3	289.5	230.1	176.6	144.3	118.1	102.4	103.0
82.5°	425.4	413.9	365.3	335.4	288.6	229.8	175.1	142.2	115.9	99.9	100.8
85°	409.7	398.8	355.4	326.7	280.5	226.7	173.0	139.5	114.7	98.1	99.0
87.5°	405.2	394.0	347.5	320.9	273.2	220.7	169.7	137.4	112.0	96.0	97.2
90°	396.7	385.9	338.2	311.3	265.4	212.9	161.8	131.0	107.8	92.1	92.7
92.5°	375.0	365.0	319.7	294.4	251.2	203.2	154.0	124.4	101.7	87.6	87.6
95°	347.2	338.5	295.9	273.5	232.8	186.9	141.6	114.4	93.0	80.3	79.7
97.5°	308.9	300.7	263.6	242.7	207.7	165.8	123.8	99.3	80.3	67.9	67.9
100°	259.4	256.0	221.9	203.5	172.7	135.6	101.7	79.7	64.9	54.3	53.4
102.5°	193.8	186.9	159.1	144.0	122.0	94.2	69.7	55.3	46.5	39.3	37.7
105°	101.1	102.7	85.4	78.5	67.3	54.3	42.3	34.4	29.3	25.7	24.5
107.5°	60.4	58.9	51.6	47.1	41.1	33.5	26.9	22.3	19.3	17.2	16.6



REPORT NUMBER: P314600

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	43.2	42.6	37.1	33.5	29.3	23.9	19.0	16.0	13.9	12.4	12.1
112.5°	33.2	32.6	28.7	25.7	22.0	17.8	14.2	11.8	10.3	9.1	9.1
115°	26.9	26.3	23.2	20.2	17.2	13.9	11.2	9.1	7.9	6.9	6.9
117.5°	22.0	21.4	18.7	16.6	13.9	11.2	8.8	7.2	6.0	5.4	5.4
120°	18.7	18.1	16.0	13.9	11.5	9.4	7.2	5.7	5.1	4.5	4.5
122.5°	16.9	16.0	14.2	12.1	10.0	7.9	6.0	4.8	4.2	3.6	3.6
125°	15.4	14.8	13.0	10.9	8.5	6.9	5.1	3.9	3.3	3.0	2.7
127.5°	13.6	13.0	11.2	9.1	6.9	5.4	3.9	3.0	2.1	1.8	1.8
130°	10.9	10.0	8.5	6.6	4.8	3.6	2.7	1.8	1.2	1.2	0.9
132.5°	7.5	6.9	5.7	4.2	2.7	1.8	1.2	0.9	0.3	0.3	0.3
135°	2.4	2.1	1.2	1.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0
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	0.0	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	0.0	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	0.0	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

(END OF REPORT)