

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: P314584

Luminaire Tested: **MPW-A4-D-U-SYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314584
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-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: 4163 lumens
Efficiency: N/A
Efficacy: 106.5 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



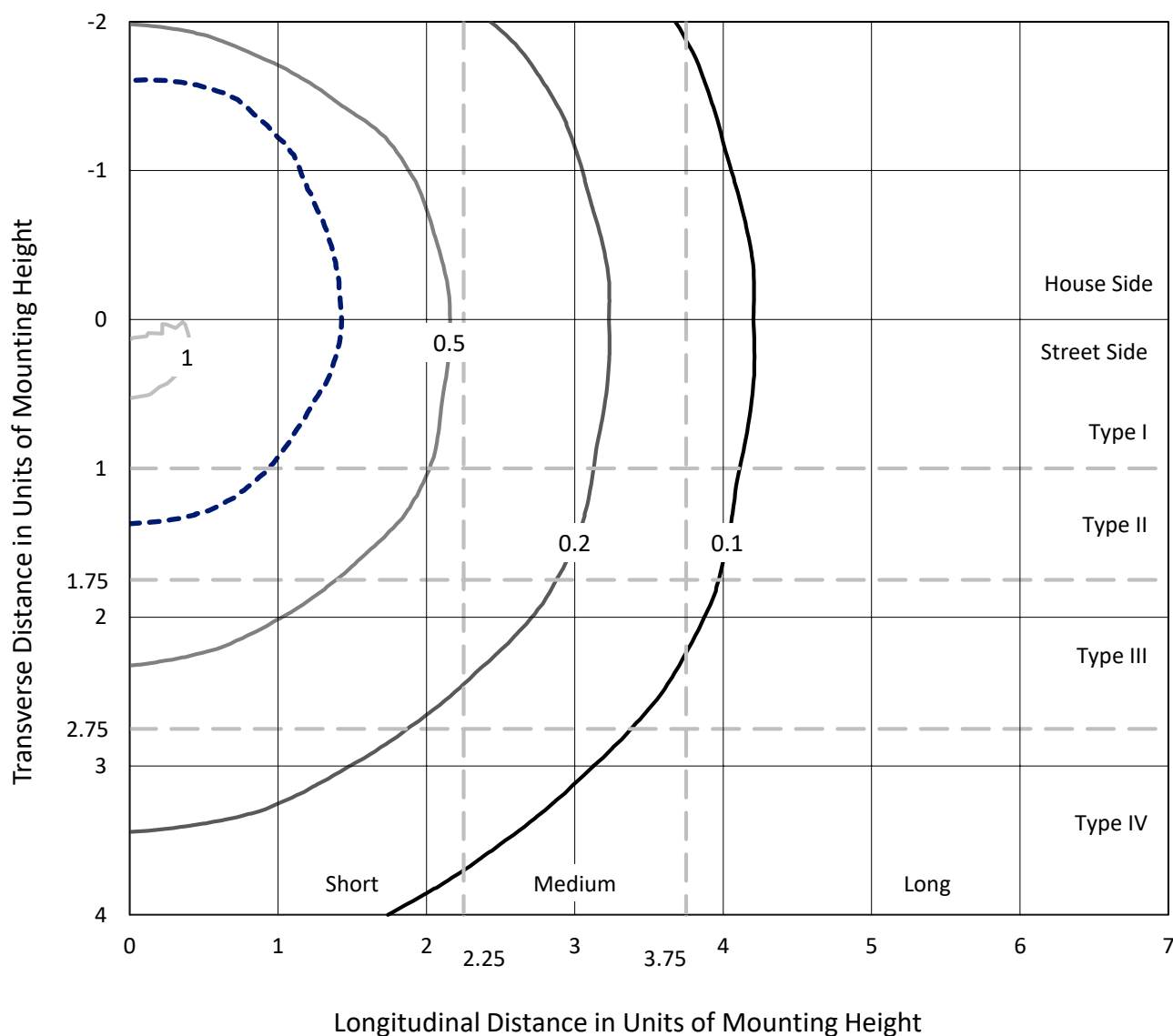
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

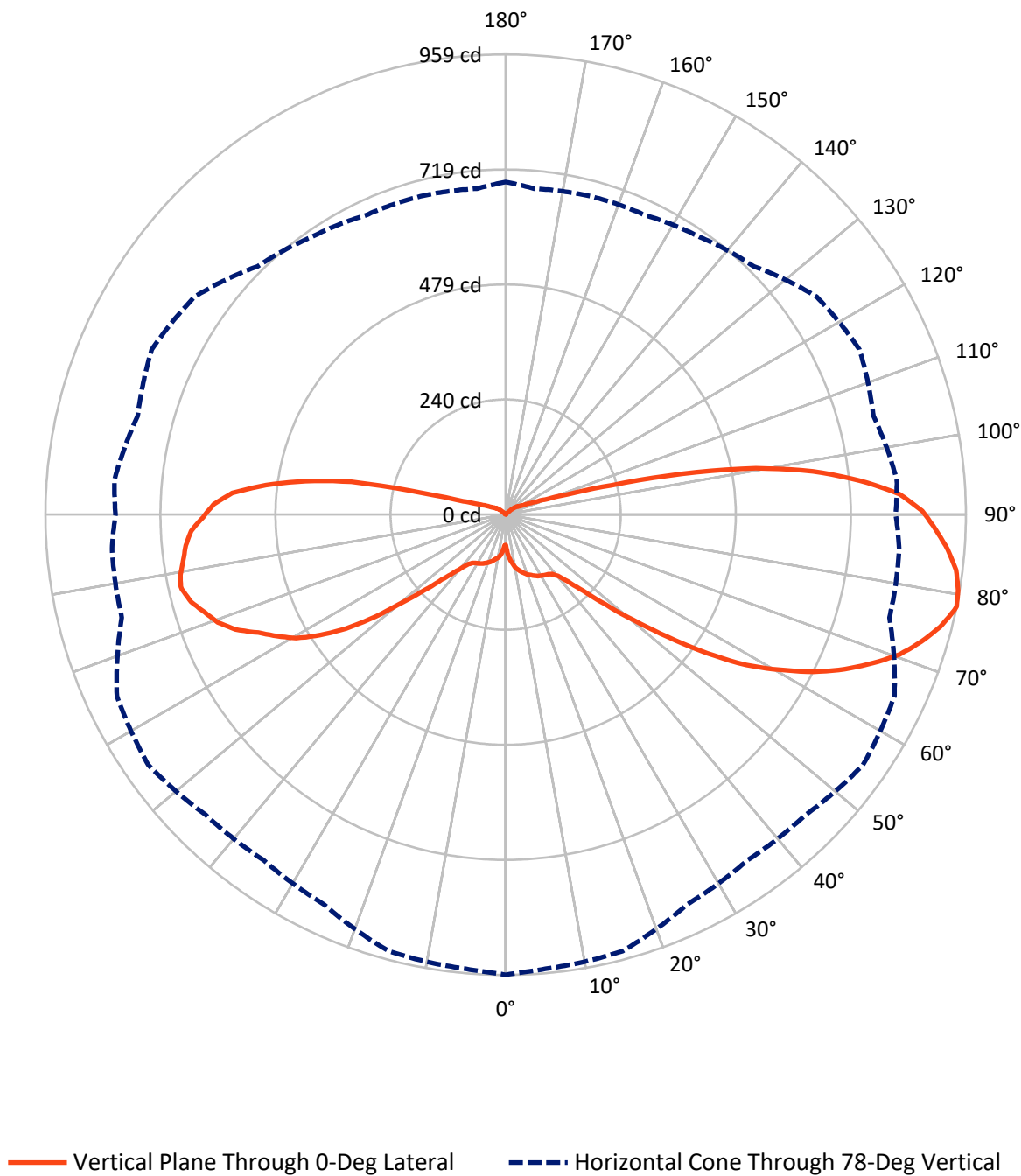


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type I - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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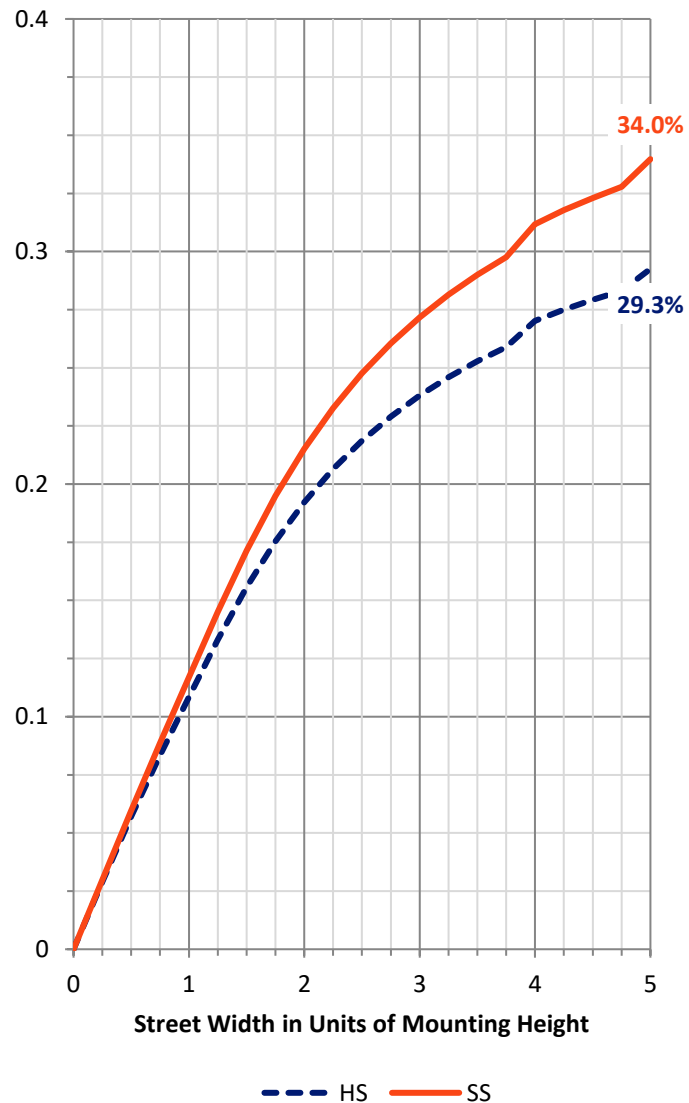
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1436.9	478.6	1915.5
	% Fixture	34.5	11.5	46.0
Street Side	Lumens	1696.0	551.5	2247.5
	% Fixture	40.7	13.2	54.0
Total	Lumens	3132.9	1030.1	4163.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.2
10°-20°	31.5	0.8
20°-30°	59.1	1.4
30°-40°	88.5	2.1
40°-50°	173.5	4.2
50°-60°	415.2	10.0
60°-70°	660.9	15.9
70°-80°	837.9	20.1
80°-90°	857.7	20.6
90°-100°	698.6	16.8
100°-110°	252.3	6.1
110°-120°	51.5	1.2
120°-130°	23.2	0.6
130°-140°	4.7	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°	3132.9	75.3
0°-180°	4163.0	100.0

Coefficient of Utilization



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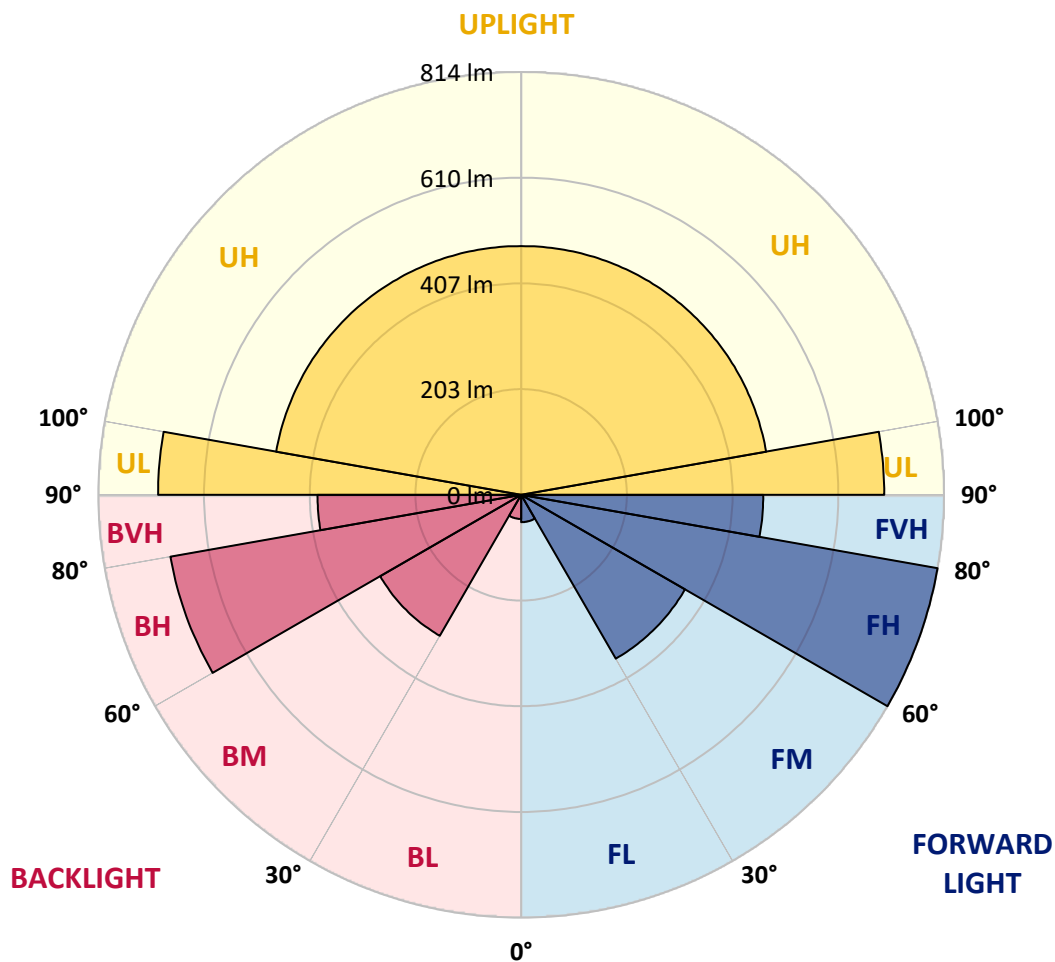
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.7	1.3			
FM	(30°-60°)	364.0	8.7			
FH	(60°-80°)	813.5	19.5			G1/1800
FVH	(80°-90°)	465.7	11.2			G3/500
BL	(0°-30°)	46.4	1.1	B0/110		
BM	(30°-60°)	313.2	7.5	B1/1000		
BH	(60°-80°)	685.3	16.5	B2/1000		G2/1000
BVH	(80°-90°)	392.0	9.4			G3/500
UL	(90°-100°)	698.6	16.8		U4/1000	
UH	(100°-180°)	478.6	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°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
2.5°	80.9	80.3	79.7	78.5	79.1	78.5	77.3	75.5	73.6	71.8	70.6
5°	93.6	93.0	93.0	93.0	93.0	93.0	92.4	90.6	88.1	85.7	82.7
7.5°	103.2	102.6	102.6	103.2	103.2	102.6	101.4	100.2	98.4	97.2	94.8
10°	112.3	111.7	111.7	111.7	111.1	109.9	108.7	106.9	104.4	103.2	101.4
12.5°	118.3	117.7	117.7	117.1	116.5	115.3	112.9	110.5	109.3	107.5	105.6
15°	123.8	123.2	123.2	121.9	121.3	120.1	117.7	115.9	114.1	112.9	111.7
17.5°	128.6	128.6	128.0	126.8	126.2	125.0	123.2	120.7	118.9	117.7	115.9
20°	133.4	132.8	132.8	131.6	130.4	129.2	127.4	125.6	124.4	122.5	120.7
22.5°	137.0	137.0	136.4	135.8	134.6	134.0	131.6	130.4	128.6	127.4	125.6
25°	141.3	141.3	141.3	140.1	138.8	138.2	135.8	134.6	133.4	131.6	129.2
27.5°	144.9	144.3	144.9	143.7	141.9	141.3	138.8	137.0	135.8	134.6	132.2
30°	147.3	147.3	146.7	146.1	144.3	143.1	141.3	139.4	138.2	136.4	134.6
32.5°	150.3	149.1	150.3	147.9	146.7	144.9	143.1	140.7	139.4	137.6	135.8
35°	152.7	152.1	152.1	151.5	149.1	147.9	145.5	143.7	141.9	140.1	138.2
37.5°	157.0	157.0	157.0	155.7	154.5	155.1	153.3	150.9	149.1	146.7	143.7
40°	167.8	167.8	167.8	167.8	167.2	169.0	168.4	167.8	167.2	163.6	158.8
42.5°	190.2	190.8	190.2	190.2	190.8	194.4	195.0	196.2	194.4	189.0	182.3
45°	226.4	227.6	226.4	228.2	229.4	234.2	233.6	234.8	232.4	227.6	216.7
47.5°	278.9	280.7	281.3	277.7	278.3	283.1	286.1	287.4	284.9	274.1	264.4
50°	344.7	346.5	346.5	343.5	340.5	346.5	350.7	353.2	354.4	336.2	325.4
52.5°	422.0	424.4	423.8	420.2	414.1	426.8	430.4	441.9	438.9	411.7	399.6
55°	509.5	511.9	511.3	504.1	494.4	499.8	510.7	524.0	520.4	487.2	478.7
57.5°	591.0	592.2	592.2	583.2	571.7	568.1	575.3	591.0	585.0	546.3	539.1
60°	656.2	657.4	658.0	644.1	630.2	622.4	628.4	645.9	639.9	595.2	588.0
62.5°	720.8	716.0	711.1	699.7	680.3	671.3	672.5	695.4	683.4	634.5	629.0
65°	776.3	774.5	763.0	751.0	729.8	719.6	719.6	743.7	731.7	679.7	672.5
67.5°	825.2	825.2	811.9	800.5	772.1	760.0	757.6	786.6	771.5	718.4	709.3
70°	871.1	869.9	854.8	847.0	811.9	794.4	797.5	827.0	813.8	757.6	751.0
72.5°	904.9	904.9	894.0	886.8	843.9	827.6	828.8	860.2	845.1	786.0	776.9
75°	934.5	932.1	926.0	919.4	874.7	856.0	859.0	889.8	874.1	814.4	810.7
77.5°	955.6	953.8	948.4	941.1	892.2	875.3	880.2	907.9	894.0	825.8	821.0
78°	958.6	955.6	949.6	941.1	895.3	878.4	883.8	908.5	893.4	827.6	822.8
80°	955.6	953.2	946.6	937.5	897.1	877.1	880.2	901.9	886.2	824.6	818.0
82.5°	945.4	943.5	937.5	926.6	886.2	869.3	872.3	892.8	879.0	815.0	818.0
85°	923.6	919.4	914.6	903.7	868.7	849.4	851.8	871.7	856.0	793.2	791.4
87.5°	896.5	893.4	889.8	879.0	846.4	829.5	830.1	850.0	834.9	776.3	776.3
90°	867.5	863.9	860.8	850.6	818.6	802.3	802.9	825.2	813.2	759.4	762.4
92.5°	821.0	818.0	815.0	803.5	774.5	758.8	761.2	783.0	770.9	718.4	722.0
95°	740.7	738.3	738.9	730.4	704.5	690.0	690.6	712.3	700.9	655.0	664.6
97.5°	646.5	645.3	641.7	638.7	615.8	606.7	604.3	627.8	622.4	582.5	592.8
100°	530.0	527.6	523.4	522.2	507.7	504.1	505.9	528.2	525.2	490.8	501.1
102.5°	375.5	374.9	378.5	371.9	365.8	367.0	374.3	393.0	390.0	360.4	367.0
105°	228.2	228.8	225.8	224.0	219.1	218.5	219.7	225.2	218.5	198.6	199.8
107.5°	135.8	136.4	137.0	132.8	129.2	128.0	127.4	129.2	125.6	117.7	117.7



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	92.4	92.4	93.0	90.6	87.5	87.5	86.9	88.7	87.5	83.3	83.3
112.5°	67.6	68.2	67.6	66.4	64.6	65.2	65.2	66.4	66.4	64.0	64.0
115°	52.5	52.5	52.5	51.3	50.1	50.1	50.7	51.9	52.5	51.3	51.3
117.5°	41.7	41.7	41.7	41.1	39.8	39.8	40.4	41.1	42.3	41.7	41.7
120°	35.0	35.0	35.0	34.4	33.8	33.8	34.4	35.0	35.6	35.0	35.0
122.5°	31.4	31.4	31.4	30.8	30.2	30.2	30.2	30.8	31.4	31.4	31.4
125°	28.4	28.4	28.4	28.4	27.2	26.6	27.2	27.8	28.4	29.0	29.0
127.5°	23.5	23.5	24.1	23.5	22.9	22.9	23.5	23.5	24.8	25.4	25.4
130°	17.5	17.5	18.1	18.1	17.5	16.9	17.5	18.1	19.3	19.9	19.3
132.5°	10.9	11.5	11.5	11.5	10.9	10.9	11.5	12.1	13.3	13.9	13.3
135°	1.2	1.2	1.8	1.2	1.8	1.8	1.8	2.4	3.6	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	0.6	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°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
2.5°	70.0	70.6	69.4	68.8	68.2	67.6	67.0	65.8	65.2	65.2	64.6
5°	82.1	81.5	80.3	78.5	77.9	77.3	76.7	76.1	76.1	76.1	76.1
7.5°	93.6	92.4	89.3	87.5	86.9	87.5	86.3	85.7	85.1	84.5	84.5
10°	100.2	99.0	97.2	95.4	94.2	94.2	93.6	92.4	91.2	90.6	90.6
12.5°	104.4	103.2	102.0	100.2	99.0	98.4	97.8	96.0	94.2	94.2	93.6
15°	110.5	109.3	107.5	105.6	104.4	103.2	102.6	100.2	98.4	97.8	97.8
17.5°	115.3	114.1	112.9	111.1	109.3	107.5	106.2	104.4	102.6	102.0	102.0
20°	120.1	118.9	117.1	115.9	113.5	111.7	110.5	108.7	106.9	106.2	105.6
22.5°	125.0	123.8	121.9	120.7	118.3	115.9	114.1	112.3	109.9	109.3	108.7
25°	128.6	127.4	126.2	124.4	121.9	119.5	117.1	114.7	113.5	112.3	111.7
27.5°	131.6	131.0	129.8	128.0	125.0	122.5	120.1	117.7	115.9	114.7	114.7
30°	134.0	133.4	132.2	130.4	128.0	125.6	123.2	120.7	118.3	117.1	116.5
32.5°	135.8	134.6	134.0	132.2	130.4	128.0	125.6	123.2	120.7	119.5	118.9
35°	137.6	137.0	135.8	134.6	132.2	130.4	128.0	126.2	123.8	123.2	122.5
37.5°	143.1	142.5	141.3	138.8	137.0	135.2	133.4	131.6	130.4	129.8	129.2
40°	158.8	156.4	153.9	151.5	147.9	145.5	143.7	143.1	142.5	142.5	143.1
42.5°	179.9	178.7	176.9	172.7	167.8	164.2	162.4	163.0	162.4	162.4	163.6
45°	213.7	211.3	208.9	205.3	196.8	190.8	189.0	187.7	189.0	188.3	189.6
47.5°	257.8	259.6	251.1	246.9	237.8	228.8	227.6	224.0	226.4	227.6	229.4
50°	318.7	320.6	312.7	304.3	294.0	278.9	276.5	272.3	274.1	279.5	278.9
52.5°	396.0	396.6	388.8	380.3	367.6	346.5	343.5	338.7	336.9	344.7	345.3
55°	476.3	479.3	467.2	461.2	448.5	419.0	409.3	401.4	402.0	410.5	408.7
57.5°	539.1	540.3	529.4	526.4	512.5	476.3	465.4	449.1	454.6	460.6	460.6
60°	586.8	588.0	574.7	576.5	565.6	519.2	509.5	491.4	495.6	499.8	506.5
62.5°	627.8	632.0	613.9	617.6	607.9	556.6	542.7	528.8	533.7	534.3	538.5
65°	670.7	671.3	652.6	657.4	644.7	594.6	572.9	559.6	566.2	565.0	570.5
67.5°	707.5	708.7	688.8	699.7	684.6	631.4	610.3	595.2	600.7	596.4	611.5
70°	745.5	749.2	720.8	731.1	718.4	661.6	638.1	623.6	625.4	620.6	639.9
72.5°	769.1	776.9	754.0	766.7	748.6	689.4	667.7	655.0	650.8	645.3	658.6
75°	796.2	804.1	773.3	791.4	775.7	716.0	693.0	681.6	672.5	669.5	679.7
77.5°	811.3	819.8	797.5	810.7	790.2	729.2	703.3	685.8	683.4	680.3	691.8
78°	812.5	818.0	793.2	813.2	790.8	731.1	705.7	688.2	686.4	681.6	693.0
80°	808.3	813.2	790.2	808.3	787.2	727.4	703.3	680.3	681.6	674.9	688.8
82.5°	805.9	811.3	788.4	800.5	785.4	722.6	702.7	675.5	675.5	664.6	677.9
85°	780.0	786.6	767.9	782.4	766.7	706.9	690.0	661.0	661.0	652.6	668.9
87.5°	766.1	772.7	749.8	769.7	750.4	688.8	675.5	651.4	649.6	640.5	656.2
90°	749.2	757.0	733.5	743.1	728.0	669.5	655.0	627.8	625.4	615.8	630.2
92.5°	708.7	716.0	693.6	708.1	694.2	641.7	627.2	605.5	601.3	594.6	608.5
95°	653.8	662.2	644.7	659.8	645.3	598.2	587.4	571.1	566.9	562.6	571.1
97.5°	582.5	586.2	573.5	587.4	574.7	533.7	524.6	508.3	501.1	499.8	502.9
100°	492.0	494.4	479.9	490.8	481.7	444.9	440.1	432.2	422.6	421.4	422.6
102.5°	365.2	355.0	343.5	339.3	338.1	310.3	313.3	317.5	313.3	318.1	328.4
105°	198.0	192.0	187.7	184.1	186.5	170.8	173.9	174.5	170.8	173.3	176.9
107.5°	116.5	114.7	112.9	111.1	107.5	102.0	100.8	96.6	96.6	96.6	97.8



REPORT NUMBER: P314584

CATALOG NUMBER: MPW-A4-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	82.7	82.1	80.3	79.7	76.7	73.0	72.4	70.6	69.4	69.4	70.6
112.5°	63.4	62.8	61.6	61.0	59.8	55.5	54.9	54.3	54.3	54.3	54.9
115°	50.7	50.1	49.5	48.3	46.5	43.5	44.1	42.9	42.9	43.5	43.5
117.5°	41.1	40.4	40.4	39.2	37.4	35.6	35.6	35.0	35.0	35.0	35.6
120°	35.0	34.4	33.8	33.2	31.4	29.6	29.6	29.0	29.6	29.6	29.6
122.5°	31.4	30.8	30.2	29.6	27.8	26.0	26.0	25.4	26.0	26.0	26.0
125°	28.4	27.8	27.2	26.0	24.1	22.9	22.9	22.9	22.9	22.9	22.9
127.5°	24.8	24.1	22.9	21.7	20.5	19.3	19.3	19.3	19.9	19.9	19.9
130°	19.3	18.1	17.5	16.3	15.1	13.9	14.5	15.1	15.7	15.7	15.7
132.5°	13.3	12.7	11.5	10.3	9.1	9.1	9.1	10.3	10.9	10.9	10.9
135°	3.6	3.6	3.6	3.0	3.0	3.0	3.6	4.8	4.8	5.4	5.4
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	0.0	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)