

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: P314605

Luminaire Tested: **MPW-A7-D-U-ASYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314605
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-A7-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: 6427 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U5 - G5

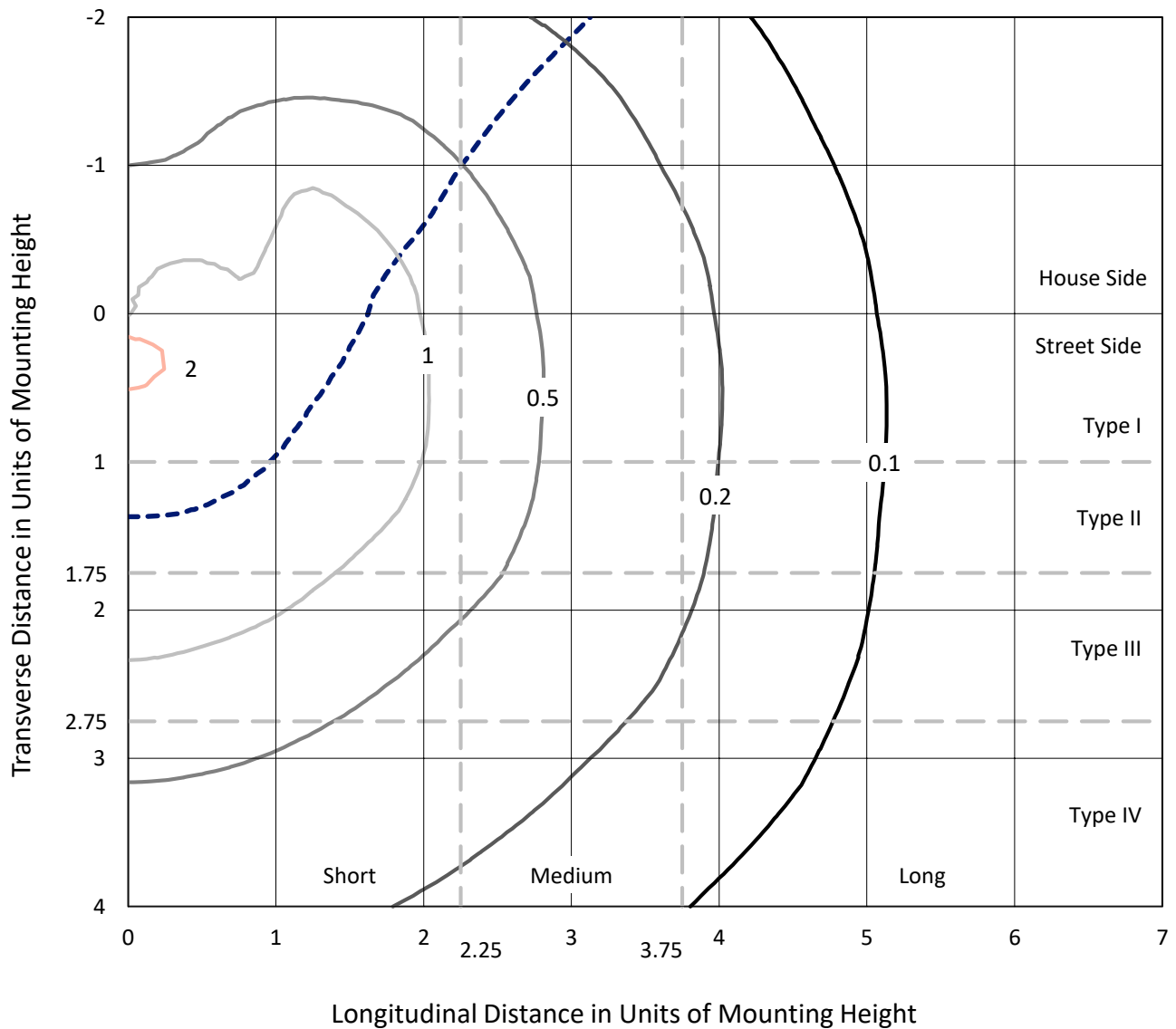
Input Watts (W): 69.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

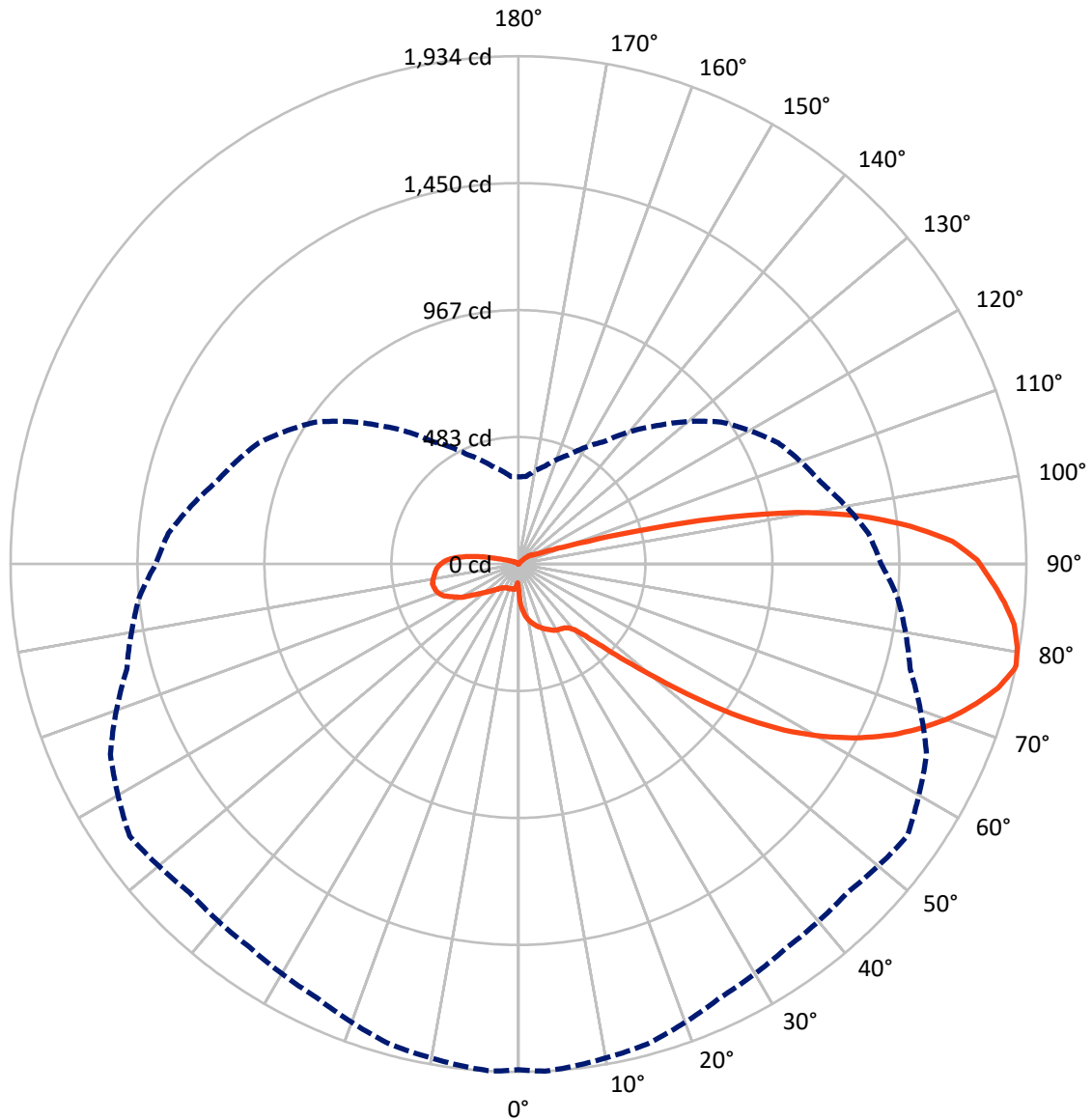


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 3-Deg Lateral - - - Horizontal Cone Through 78-Deg Vertical



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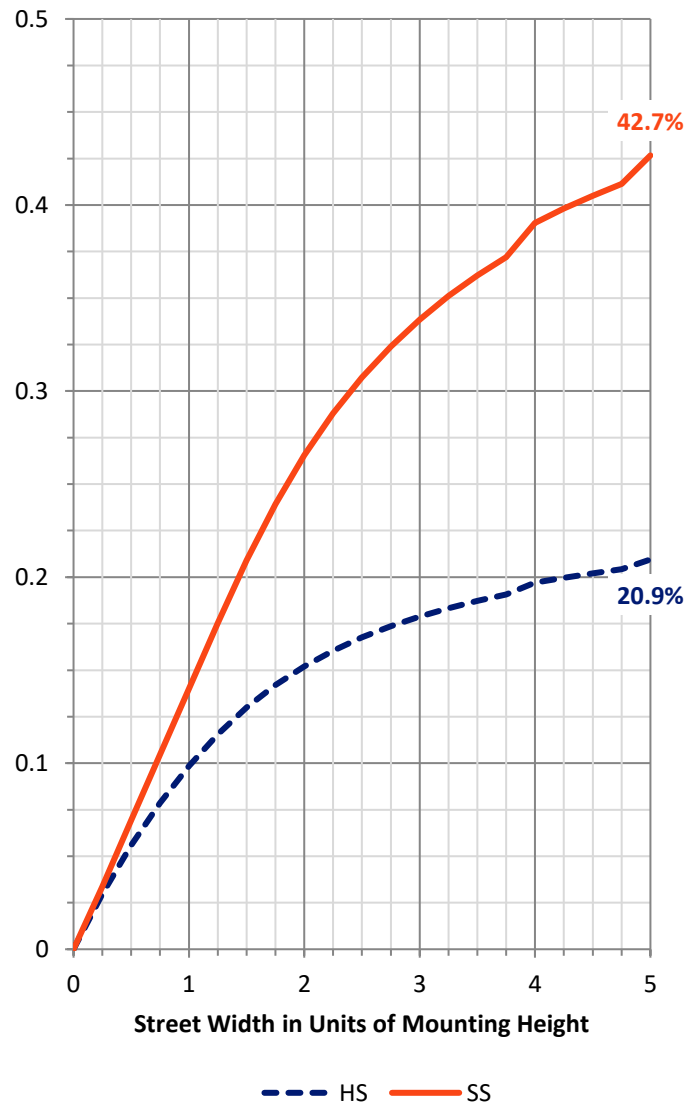
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.2	495.0	2030.3
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	3306.9	1089.8	4396.8
	% Fixture	51.5	17.0	68.4
Total	Lumens	4842.2	1584.8	6427.0
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.2
10°-20°	48.9	0.8
20°-30°	91.7	1.4
30°-40°	136.4	2.1
40°-50°	266.8	4.2
50°-60°	637.6	9.9
60°-70°	1022.1	15.9
70°-80°	1296.6	20.2
80°-90°	1329.0	20.7
90°-100°	1074.8	16.7
100°-110°	389.6	6.1
110°-120°	79.0	1.2
120°-130°	34.9	0.5
130°-140°	6.5	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°	4842.2	75.3
0°-180°	6427.0	100.0



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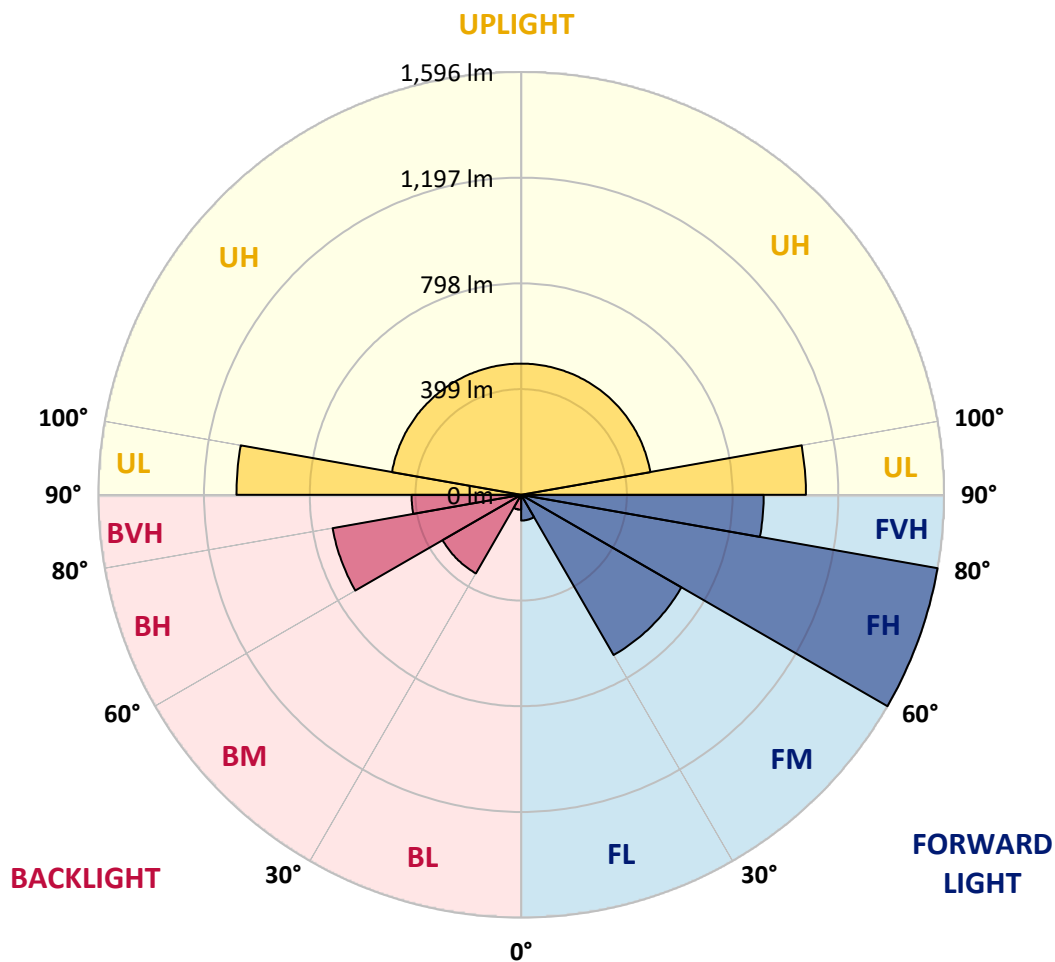
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.3	1.5			
FM	(30°-60°)	698.4	10.9			
FH	(60°-80°)	1596.0	24.8			G1/1800
FVH	(80°-90°)	915.2	14.2			G5
BL	(0°-30°)	56.4	0.9	B0/110		
BM	(30°-60°)	342.4	5.3	B1/1000		
BH	(60°-80°)	722.6	11.2	B2/1000		G2/1000
BVH	(80°-90°)	413.8	6.4			G3/500
UL	(90°-100°)	1074.8	16.7		U5	
UH	(100°-180°)	495.0	7.7		U3/500	

BUG Rating: B2-U5-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	154.1	151.1	151.1	149.2	147.2	141.4	138.5	132.6	125.8	118.0	111.2
5°	181.4	179.4	179.4	178.4	177.5	172.6	167.7	159.9	150.2	140.4	128.7
7.5°	201.8	201.8	200.9	199.9	197.0	191.1	185.3	177.5	167.7	158.9	149.2
10°	218.4	218.4	218.4	215.5	211.6	206.7	198.9	190.1	179.4	169.7	158.9
12.5°	230.1	230.1	230.1	226.2	222.3	217.5	208.7	199.9	189.2	179.4	168.7
15°	242.8	241.8	242.8	236.0	232.1	227.2	218.4	210.6	199.9	191.1	180.4
17.5°	251.6	251.6	250.6	247.7	242.8	237.0	228.2	220.4	210.6	200.9	190.1
20°	260.4	260.4	259.4	256.5	252.6	246.7	238.9	229.2	220.4	210.6	198.9
22.5°	268.2	269.1	268.2	265.2	261.3	256.5	249.6	239.9	230.1	219.4	207.7
25°	276.9	276.9	277.9	275.0	270.1	265.2	258.4	249.6	239.9	228.2	214.5
27.5°	285.7	285.7	285.7	282.8	276.9	272.1	264.3	256.5	245.7	233.1	219.4
30°	290.6	291.6	290.6	288.6	282.8	276.9	269.1	260.4	249.6	236.0	222.3
32.5°	294.5	294.5	294.5	291.6	285.7	279.9	272.1	261.3	250.6	237.9	223.3
35°	299.4	299.4	298.4	295.5	290.6	284.7	276.0	266.2	254.5	241.8	226.2
37.5°	308.1	308.1	307.2	304.2	299.4	295.5	287.7	277.9	267.2	254.5	236.0
40°	330.6	329.6	328.6	327.6	323.7	323.7	317.9	309.1	296.4	284.7	261.3
42.5°	376.4	373.5	373.5	373.5	371.5	374.4	372.5	363.7	351.0	335.4	307.2
45°	452.5	446.6	446.6	444.7	448.6	449.5	449.5	440.8	425.2	405.6	371.5
47.5°	560.7	550.9	552.9	546.1	543.1	552.9	554.8	540.2	531.4	499.3	452.5
50°	696.2	683.6	689.4	678.7	667.0	679.7	685.5	676.7	664.1	622.1	568.5
52.5°	852.3	849.3	840.6	826.9	827.9	834.7	839.6	856.2	830.8	777.2	711.8
55°	1032.6	1029.7	1026.8	997.5	998.5	998.5	1007.3	1023.9	1002.4	923.4	859.1
57.5°	1202.3	1193.5	1195.5	1160.4	1151.6	1130.2	1142.8	1163.3	1125.3	1034.6	963.4
60°	1338.8	1332.0	1327.1	1296.9	1282.3	1253.0	1249.1	1274.5	1231.6	1123.3	1043.4
62.5°	1459.7	1457.8	1451.0	1408.1	1396.4	1354.4	1346.6	1371.0	1316.4	1195.5	1114.6
65°	1574.8	1567.0	1546.5	1511.4	1495.8	1446.1	1445.1	1472.4	1412.9	1279.4	1187.7
67.5°	1666.5	1661.6	1659.6	1605.0	1574.8	1530.0	1522.2	1559.2	1490.0	1336.9	1246.2
70°	1748.4	1748.4	1742.5	1698.7	1652.8	1612.8	1602.1	1646.0	1567.0	1416.8	1322.3
72.5°	1823.5	1820.5	1817.6	1778.6	1720.1	1676.2	1662.6	1713.3	1623.6	1461.7	1370.0
75°	1878.1	1885.9	1879.0	1843.9	1779.6	1733.8	1722.1	1769.8	1677.2	1516.3	1421.7
77.5°	1919.0	1929.8	1922.9	1887.8	1815.7	1773.7	1763.0	1804.0	1710.4	1540.7	1450.0
78°	1925.9	1933.7	1927.8	1892.7	1820.5	1782.5	1769.8	1806.9	1714.3	1543.6	1449.0
80°	1922.0	1925.9	1923.9	1894.7	1817.6	1781.5	1762.0	1798.1	1706.5	1532.9	1437.3
82.5°	1899.5	1902.5	1902.5	1877.1	1787.4	1763.0	1746.4	1786.4	1692.8	1525.1	1449.0
85°	1849.8	1855.6	1857.6	1839.1	1750.3	1726.0	1706.5	1744.5	1644.0	1483.2	1399.3
87.5°	1802.0	1801.0	1801.0	1786.4	1702.6	1684.0	1666.5	1701.6	1608.9	1451.9	1377.8
90°	1745.5	1746.4	1749.4	1732.8	1648.9	1632.3	1613.8	1655.7	1565.1	1425.6	1357.4
92.5°	1651.8	1654.8	1653.8	1640.1	1563.1	1549.5	1532.9	1569.9	1486.1	1348.6	1285.2
95°	1493.9	1499.7	1497.8	1488.0	1428.5	1406.1	1390.5	1432.4	1355.4	1232.5	1180.9
97.5°	1305.7	1313.5	1312.5	1301.8	1253.0	1244.2	1225.7	1267.7	1203.3	1099.0	1055.1
100°	1062.9	1076.5	1070.7	1063.9	1038.5	1034.6	1028.7	1071.7	1022.9	940.0	901.0
102.5°	750.8	764.5	758.6	757.7	746.9	761.6	760.6	802.5	769.4	706.0	673.8
105°	459.3	466.1	461.2	455.4	445.6	455.4	444.7	453.4	430.0	385.2	363.7
107.5°	274.0	278.9	276.0	270.1	263.3	264.3	257.4	258.4	244.8	222.3	210.6



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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	184.3	186.2	185.3	179.4	175.5	176.5	173.6	173.6	168.7	157.0	149.2
112.5°	135.5	136.5	137.5	131.6	129.7	129.7	129.7	129.7	126.8	119.9	114.1
115°	104.3	105.3	105.3	101.4	99.5	100.4	100.4	101.4	100.4	95.6	91.7
117.5°	83.9	83.9	83.9	80.9	79.0	80.0	80.0	80.9	80.9	78.0	75.1
120°	70.2	71.2	71.2	69.2	67.3	67.3	67.3	67.3	68.3	66.3	63.4
122.5°	63.4	63.4	63.4	61.4	59.5	58.5	59.5	59.5	59.5	58.5	56.6
125°	57.5	57.5	57.5	55.6	53.6	52.7	53.6	53.6	54.6	53.6	51.7
127.5°	48.8	49.7	49.7	47.8	44.9	44.9	45.8	46.8	47.8	47.8	45.8
130°	36.1	37.1	37.1	36.1	33.2	33.2	35.1	36.1	38.0	38.0	36.1
132.5°	24.4	23.4	23.4	22.4	20.5	21.5	22.4	24.4	26.3	26.3	25.4
135°	3.9	2.9	2.9	2.9	2.9	2.9	4.9	4.9	6.8	7.8	7.8
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	1.0	1.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0
172.5°	0.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	108.2	105.3	98.5	93.6	86.8	82.9	78.0	74.1	72.2	71.2	71.2
5°	124.8	119.9	111.2	105.3	97.5	92.6	88.7	85.8	83.9	83.9	83.9
7.5°	144.3	137.5	126.8	117.0	110.2	105.3	101.4	97.5	94.6	93.6	92.6
10°	154.1	149.2	139.4	130.7	120.9	114.1	107.3	102.4	98.5	97.5	96.5
12.5°	162.8	157.0	146.3	137.5	126.8	118.0	110.2	103.4	98.5	96.5	95.6
15°	174.5	167.7	156.0	144.3	133.6	122.9	114.1	105.3	99.5	97.5	96.5
17.5°	184.3	177.5	164.8	153.1	140.4	128.7	118.0	108.2	101.4	99.5	98.5
20°	193.1	185.3	171.6	159.9	145.3	132.6	119.9	110.2	102.4	99.5	99.5
22.5°	200.9	193.1	179.4	165.8	150.2	135.5	122.9	111.2	103.4	100.4	99.5
25°	207.7	199.9	185.3	170.6	154.1	138.5	124.8	113.1	104.3	100.4	99.5
27.5°	212.6	204.8	190.1	174.5	158.0	141.4	127.7	115.1	106.3	101.4	101.4
30°	215.5	208.7	193.1	177.5	160.9	144.3	129.7	117.0	108.2	103.4	103.4
32.5°	216.5	209.6	195.0	179.4	163.8	147.2	132.6	119.9	111.2	106.3	106.3
35°	218.4	211.6	197.9	182.3	166.7	151.1	136.5	123.8	115.1	111.2	110.2
37.5°	227.2	220.4	204.8	188.2	171.6	156.0	141.4	128.7	119.9	116.0	116.0
40°	252.6	242.8	222.3	203.8	183.3	165.8	149.2	135.5	126.8	123.8	122.9
42.5°	293.5	283.8	258.4	232.1	206.7	184.3	161.9	145.3	135.5	131.6	131.6
45°	355.9	343.2	309.1	278.9	242.8	212.6	180.4	158.9	147.2	142.4	141.4
47.5°	436.9	421.3	380.3	334.5	290.6	251.6	206.7	176.5	160.9	154.1	153.1
50°	545.1	529.5	473.9	410.5	356.9	297.4	238.9	198.9	176.5	166.7	164.8
52.5°	682.6	666.0	592.9	511.0	441.7	359.8	276.9	223.3	195.0	182.3	180.4
55°	824.9	806.4	716.7	614.3	540.2	430.0	320.8	257.4	219.4	200.9	197.0
57.5°	925.4	904.9	805.4	691.4	620.2	484.6	364.7	290.6	247.7	222.3	220.4
60°	998.5	977.1	870.8	756.7	674.8	525.6	403.7	317.9	274.0	249.6	248.7
62.5°	1063.9	1046.3	929.3	815.2	717.7	559.7	438.8	351.0	299.4	271.1	263.3
65°	1134.1	1105.8	981.0	866.9	765.5	598.7	460.3	381.3	321.8	290.6	283.8
67.5°	1193.5	1163.3	1045.3	929.3	811.3	629.9	488.5	408.6	349.1	310.1	308.1
70°	1267.7	1233.5	1092.1	977.1	854.2	669.9	516.8	425.2	364.7	326.7	315.0
72.5°	1310.6	1274.5	1138.9	1025.8	885.4	703.1	536.3	433.0	375.4	334.5	322.8
75°	1359.3	1320.3	1163.3	1061.9	916.6	728.4	553.9	444.7	383.2	337.4	326.7
77.5°	1380.8	1339.8	1201.3	1087.3	943.9	744.0	566.5	455.4	384.2	337.4	334.5
78°	1380.8	1337.9	1194.5	1091.2	942.0	745.0	568.5	459.3	385.2	334.5	331.5
80°	1372.0	1329.1	1183.8	1089.2	935.1	743.0	570.4	466.1	381.3	330.6	332.5
82.5°	1373.9	1336.9	1179.9	1083.4	932.2	742.1	565.6	459.3	374.4	322.8	325.7
85°	1323.2	1288.1	1147.7	1055.1	905.9	732.3	558.7	450.5	370.5	316.9	319.8
87.5°	1308.6	1272.5	1122.4	1036.5	882.5	712.8	548.0	443.7	361.8	310.1	314.0
90°	1281.3	1246.2	1092.1	1005.3	857.1	687.5	522.7	423.2	348.1	297.4	299.4
92.5°	1211.1	1178.9	1032.6	950.7	811.3	656.3	497.3	401.7	328.6	282.8	282.8
95°	1121.4	1093.1	955.6	883.5	751.8	603.6	457.3	369.6	300.3	259.4	257.4
97.5°	997.5	971.2	851.3	784.0	670.9	535.3	399.8	320.8	259.4	219.4	219.4
100°	837.6	826.9	716.7	657.2	557.8	437.8	328.6	257.4	209.6	175.5	172.6
102.5°	626.0	603.6	513.9	465.1	393.9	304.2	225.3	178.4	150.2	126.8	121.9
105°	326.7	331.5	276.0	253.5	217.5	175.5	136.5	111.2	94.6	82.9	79.0
107.5°	195.0	190.1	166.7	152.1	132.6	108.2	86.8	72.2	62.4	55.6	53.6



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CATALOG NUMBER: MPW-A7-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	139.4	137.5	119.9	108.2	94.6	77.0	61.4	51.7	44.9	40.0	39.0
112.5°	107.3	105.3	92.6	82.9	71.2	57.5	45.8	38.0	33.2	29.3	29.3
115°	86.8	84.8	75.1	65.3	55.6	44.9	36.1	29.3	25.4	22.4	22.4
117.5°	71.2	69.2	60.5	53.6	44.9	36.1	28.3	23.4	19.5	17.6	17.6
120°	60.5	58.5	51.7	44.9	37.1	30.2	23.4	18.5	16.6	14.6	14.6
122.5°	54.6	51.7	45.8	39.0	32.2	25.4	19.5	15.6	13.7	11.7	11.7
125°	49.7	47.8	41.9	35.1	27.3	22.4	16.6	12.7	10.7	9.8	8.8
127.5°	43.9	41.9	36.1	29.3	22.4	17.6	12.7	9.8	6.8	5.9	5.9
130°	35.1	32.2	27.3	21.5	15.6	11.7	8.8	5.9	3.9	3.9	2.9
132.5°	24.4	22.4	18.5	13.7	8.8	5.9	3.9	2.9	1.0	1.0	1.0
135°	7.8	6.8	3.9	3.9	1.0	1.0	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)