

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: P314610

Luminaire Tested: **MPW-A6-D-U-ASYM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314610
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-A6-D-U-ASYM
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 4000K LIGHT ENGINE. ASYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6267 lumens
Efficiency: N/A
Efficacy: 96.7 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): 64.8
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

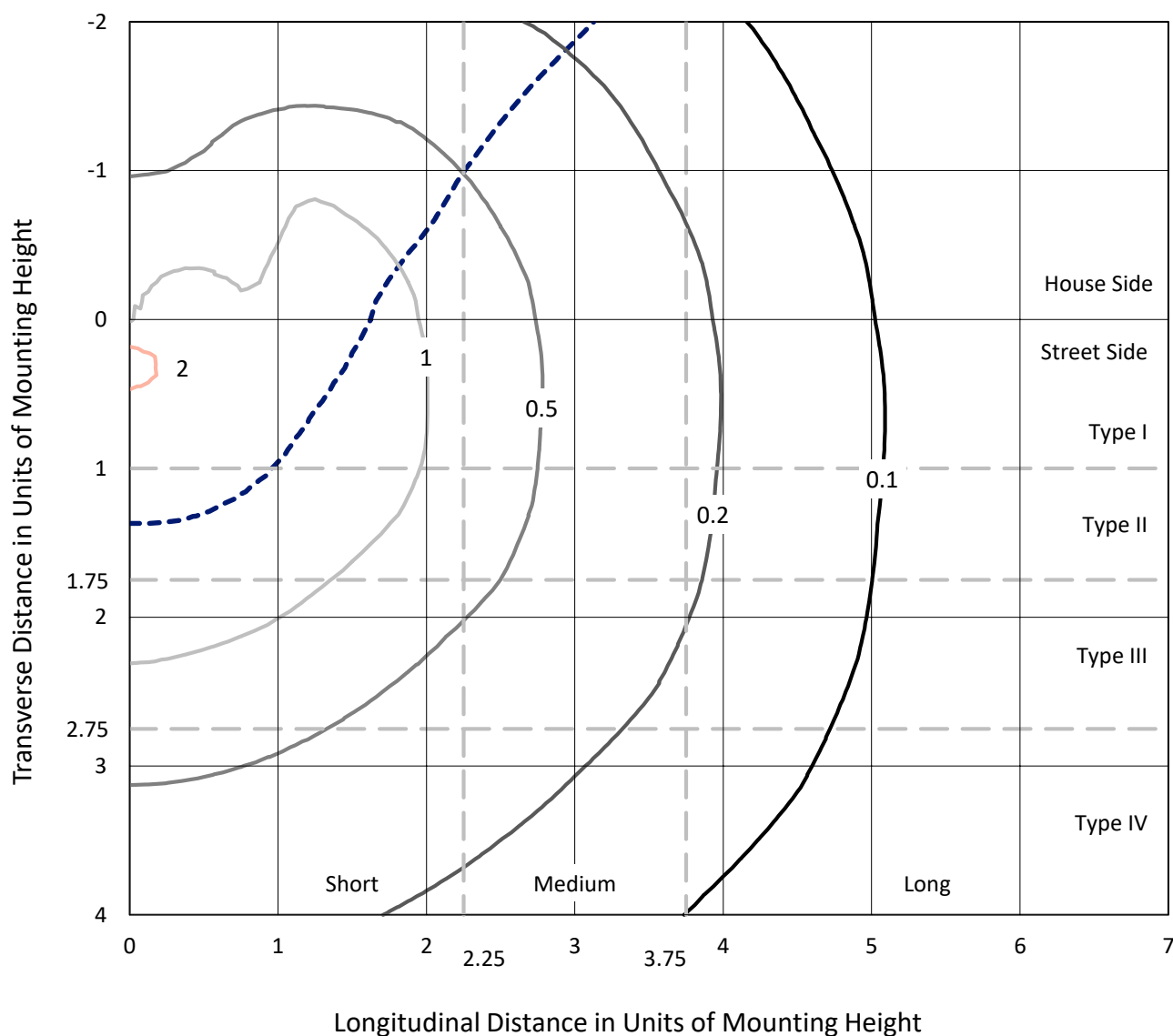


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

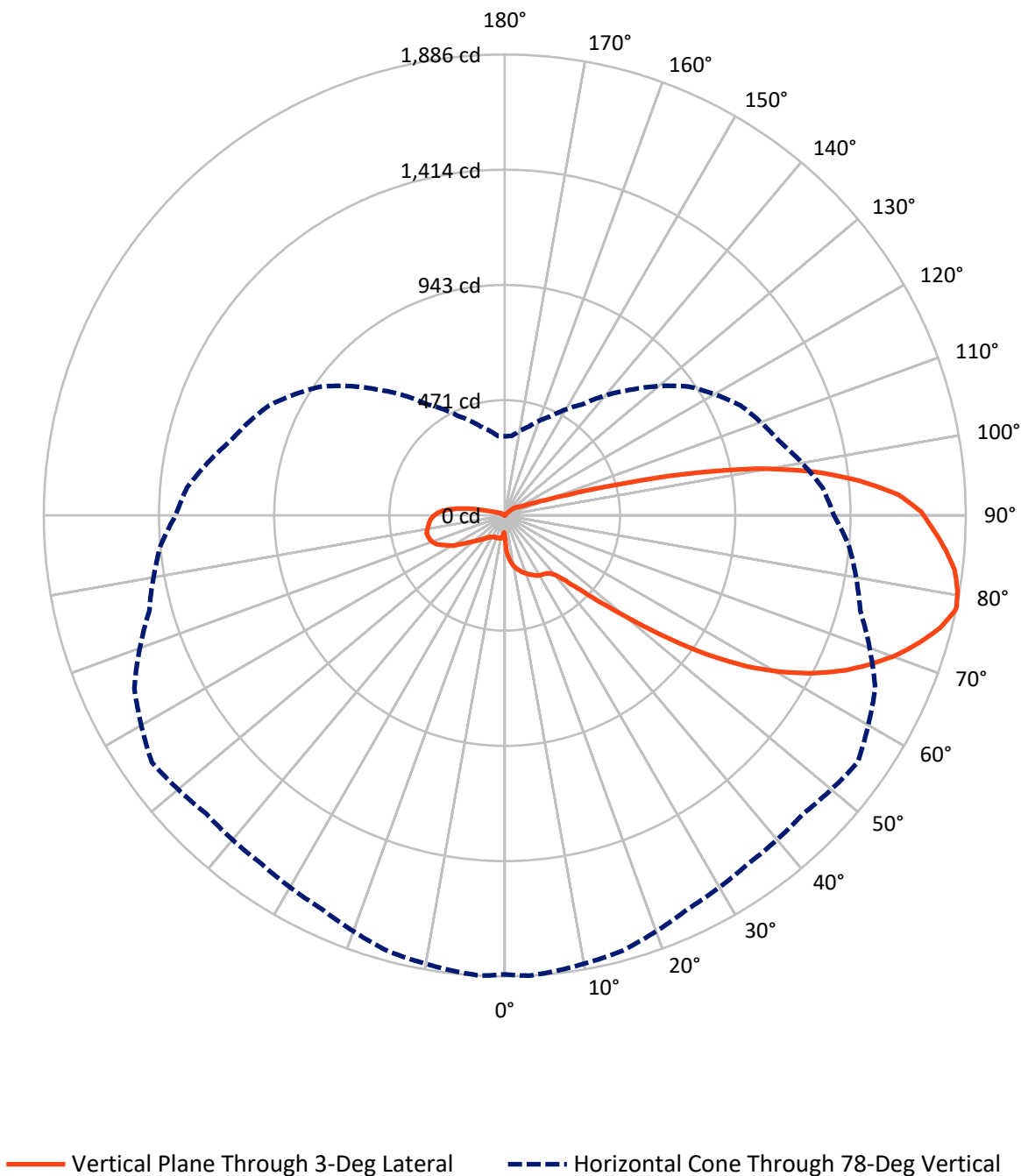


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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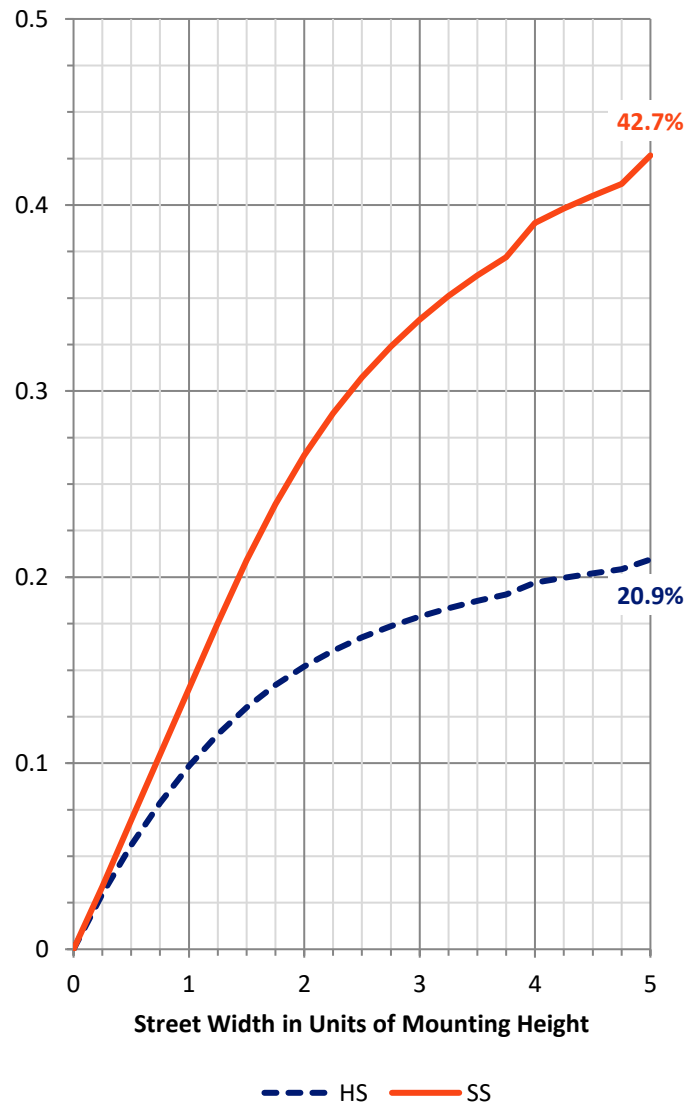
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1497.0	482.7	1979.7
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	3224.6	1062.7	4287.3
	% Fixture	51.5	17.0	68.4
Total	Lumens	4721.6	1545.4	6267.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.2
10°-20°	47.7	0.8
20°-30°	89.4	1.4
30°-40°	133.0	2.1
40°-50°	260.1	4.2
50°-60°	621.7	9.9
60°-70°	996.7	15.9
70°-80°	1264.3	20.2
80°-90°	1295.9	20.7
90°-100°	1048.1	16.7
100°-110°	379.9	6.1
110°-120°	77.0	1.2
120°-130°	34.0	0.5
130°-140°	6.4	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°	4721.6	75.3
0°-180°	6267.0	100.0

Coefficient of Utilization



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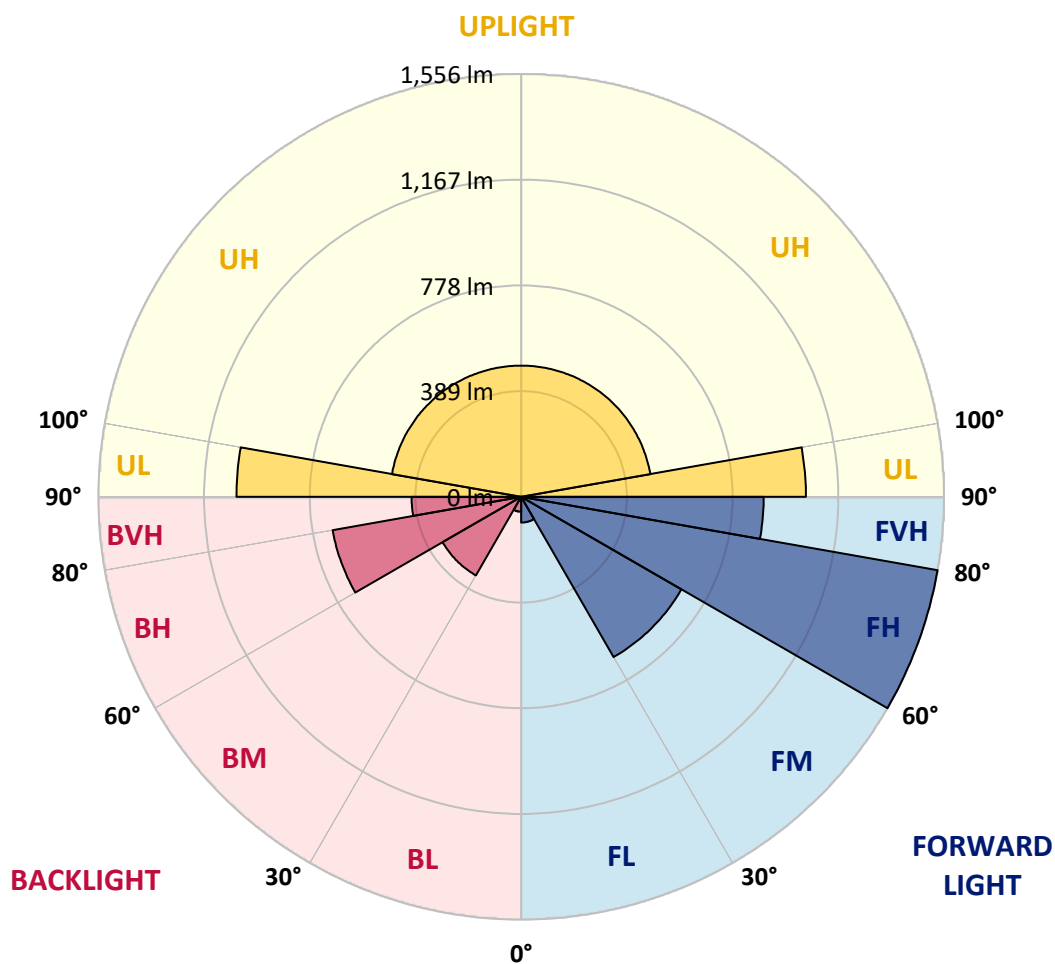
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.8	1.5			
FM	(30°-60°)	681.0	10.9			
FH	(60°-80°)	1556.3	24.8			G1/1800
FVH	(80°-90°)	892.5	14.2			G5
BL	(0°-30°)	55.0	0.9	B0/110		
BM	(30°-60°)	333.9	5.3	B1/1000		
BH	(60°-80°)	704.7	11.2	B2/1000		G2/1000
BVH	(80°-90°)	403.4	6.4			G3/500
UL	(90°-100°)	1048.1	16.7		U5	
UH	(100°-180°)	482.7	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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	150.2	147.4	147.4	145.5	143.6	137.9	135.0	129.3	122.7	115.1	108.4
5°	176.9	175.0	175.0	174.0	173.1	168.3	163.5	155.9	146.4	136.9	125.5
7.5°	196.8	196.8	195.9	194.9	192.1	186.4	180.7	173.1	163.5	155.0	145.5
10°	213.0	213.0	213.0	210.1	206.3	201.6	194.0	185.4	175.0	165.4	155.0
12.5°	224.4	224.4	224.4	220.6	216.8	212.0	203.5	194.9	184.5	175.0	164.5
15°	236.8	235.8	236.8	230.1	226.3	221.5	213.0	205.4	194.9	186.4	175.9
17.5°	245.3	245.3	244.4	241.5	236.8	231.1	222.5	214.9	205.4	195.9	185.4
20°	253.9	253.9	252.9	250.1	246.3	240.6	233.0	223.4	214.9	205.4	194.0
22.5°	261.5	262.4	261.5	258.6	254.8	250.1	243.4	233.9	224.4	213.9	202.5
25°	270.0	270.0	271.0	268.1	263.4	258.6	252.0	243.4	233.9	222.5	209.2
27.5°	278.6	278.6	278.6	275.7	270.0	265.3	257.7	250.1	239.6	227.3	213.9
30°	283.4	284.3	283.4	281.4	275.7	270.0	262.4	253.9	243.4	230.1	216.8
32.5°	287.2	287.2	287.2	284.3	278.6	272.9	265.3	254.8	244.4	232.0	217.7
35°	291.9	291.9	291.0	288.1	283.4	277.6	269.1	259.6	248.2	235.8	220.6
37.5°	300.5	300.5	299.5	296.7	291.9	288.1	280.5	271.0	260.5	248.2	230.1
40°	322.3	321.4	320.4	319.5	315.7	315.7	310.0	301.4	289.1	277.6	254.8
42.5°	367.0	364.2	364.2	364.2	362.3	365.1	363.2	354.7	342.3	327.1	299.5
45°	441.2	435.5	435.5	433.6	437.4	438.3	438.3	429.8	414.6	395.5	362.3
47.5°	546.7	537.2	539.1	532.5	529.6	539.1	541.0	526.8	518.2	486.8	441.2
50°	678.9	666.5	672.2	661.8	650.4	662.7	668.4	659.9	647.5	606.6	554.3
52.5°	831.0	828.2	819.6	806.3	807.3	813.9	818.7	834.8	810.1	757.8	694.1
55°	1006.9	1004.1	1001.2	972.7	973.7	973.7	982.2	998.4	977.5	900.4	837.7
57.5°	1172.4	1163.8	1165.7	1131.5	1122.9	1102.0	1114.4	1134.4	1097.3	1008.8	939.4
60°	1305.5	1298.8	1294.1	1264.6	1250.4	1221.8	1218.0	1242.7	1200.9	1095.4	1017.4
62.5°	1423.4	1421.5	1414.9	1373.0	1361.6	1320.7	1313.1	1336.9	1283.6	1165.7	1086.8
65°	1535.6	1528.0	1508.0	1473.8	1458.6	1410.1	1409.1	1435.8	1377.8	1247.5	1158.1
67.5°	1625.0	1620.2	1618.3	1565.1	1535.6	1491.9	1484.3	1520.4	1452.9	1303.6	1215.2
70°	1704.9	1704.9	1699.2	1656.4	1611.7	1572.7	1562.2	1605.0	1528.0	1381.6	1289.3
72.5°	1778.1	1775.2	1772.4	1734.3	1677.3	1634.5	1621.2	1670.6	1583.1	1425.3	1335.9
75°	1831.3	1838.9	1832.3	1798.0	1735.3	1690.6	1679.2	1725.8	1635.4	1478.6	1386.3
77.5°	1871.3	1881.7	1875.1	1840.8	1770.5	1729.6	1719.1	1759.1	1667.8	1502.3	1413.9
78°	1877.9	1885.5	1879.8	1845.6	1775.2	1738.1	1725.8	1761.9	1671.6	1505.2	1412.9
80°	1874.1	1877.9	1876.0	1847.5	1772.4	1737.2	1718.2	1753.4	1664.0	1494.7	1401.5
82.5°	1852.2	1855.1	1855.1	1830.4	1742.9	1719.1	1703.0	1741.9	1650.7	1487.1	1412.9
85°	1803.7	1809.4	1811.4	1793.3	1706.8	1683.0	1664.0	1701.1	1603.1	1446.2	1364.5
87.5°	1757.2	1756.2	1756.2	1741.9	1660.2	1642.1	1625.0	1659.2	1568.9	1415.8	1343.5
90°	1702.0	1703.0	1705.8	1689.6	1607.9	1591.7	1573.6	1614.5	1526.1	1390.1	1323.6
92.5°	1610.7	1613.6	1612.6	1599.3	1524.2	1510.9	1494.7	1530.9	1449.1	1315.0	1253.2
95°	1456.7	1462.4	1460.5	1451.0	1393.0	1371.1	1355.9	1396.8	1321.7	1201.9	1151.5
97.5°	1273.2	1280.8	1279.8	1269.4	1221.8	1213.3	1195.2	1236.1	1173.3	1071.6	1028.8
100°	1036.4	1049.7	1044.0	1037.4	1012.6	1008.8	1003.1	1045.0	997.4	916.6	878.6
102.5°	732.1	745.5	739.8	738.8	728.3	742.6	741.7	782.5	750.2	688.4	657.0
105°	447.8	454.5	449.7	444.0	434.5	444.0	433.6	442.1	419.3	375.6	354.7
107.5°	267.2	271.9	269.1	263.4	256.7	257.7	251.0	252.0	238.7	216.8	205.4



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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	179.7	181.6	180.7	175.0	171.2	172.1	169.2	169.2	164.5	153.1	145.5
112.5°	132.2	133.1	134.1	128.4	126.5	126.5	126.5	126.5	123.6	117.0	111.2
115°	101.7	102.7	102.7	98.9	97.0	97.9	97.9	98.9	97.9	93.2	89.4
117.5°	81.8	81.8	81.8	78.9	77.0	78.0	78.0	78.9	78.9	76.1	73.2
120°	68.5	69.4	69.4	67.5	65.6	65.6	65.6	65.6	66.6	64.7	61.8
122.5°	61.8	61.8	61.8	59.9	58.0	57.1	58.0	58.0	58.0	57.1	55.1
125°	56.1	56.1	56.1	54.2	52.3	51.3	52.3	52.3	53.2	52.3	50.4
127.5°	47.5	48.5	48.5	46.6	43.7	43.7	44.7	45.6	46.6	46.6	44.7
130°	35.2	36.1	36.1	35.2	32.3	32.3	34.2	35.2	37.1	37.1	35.2
132.5°	23.8	22.8	22.8	21.9	20.0	20.9	21.9	23.8	25.7	25.7	24.7
135°	3.8	2.9	2.9	2.9	2.9	2.9	4.8	4.8	6.7	7.6	7.6
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	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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	105.5	102.7	96.0	91.3	84.6	80.8	76.1	72.3	70.4	69.4	69.4
5°	121.7	117.0	108.4	102.7	95.1	90.3	86.5	83.7	81.8	81.8	81.8
7.5°	140.7	134.1	123.6	114.1	107.4	102.7	98.9	95.1	92.2	91.3	90.3
10°	150.2	145.5	136.0	127.4	117.9	111.2	104.6	99.8	96.0	95.1	94.1
12.5°	158.8	153.1	142.6	134.1	123.6	115.1	107.4	100.8	96.0	94.1	93.2
15°	170.2	163.5	152.1	140.7	130.3	119.8	111.2	102.7	97.0	95.1	94.1
17.5°	179.7	173.1	160.7	149.3	136.9	125.5	115.1	105.5	98.9	97.0	96.0
20°	188.3	180.7	167.3	155.9	141.7	129.3	117.0	107.4	99.8	97.0	97.0
22.5°	195.9	188.3	175.0	161.6	146.4	132.2	119.8	108.4	100.8	97.9	97.0
25°	202.5	194.9	180.7	166.4	150.2	135.0	121.7	110.3	101.7	97.9	97.0
27.5°	207.3	199.7	185.4	170.2	154.0	137.9	124.6	112.2	103.6	98.9	98.9
30°	210.1	203.5	188.3	173.1	156.9	140.7	126.5	114.1	105.5	100.8	100.8
32.5°	211.1	204.4	190.2	175.0	159.7	143.6	129.3	117.0	108.4	103.6	103.6
35°	213.0	206.3	193.0	177.8	162.6	147.4	133.1	120.8	112.2	108.4	107.4
37.5°	221.5	214.9	199.7	183.5	167.3	152.1	137.9	125.5	117.0	113.2	113.2
40°	246.3	236.8	216.8	198.7	178.8	161.6	145.5	132.2	123.6	120.8	119.8
42.5°	286.2	276.7	252.0	226.3	201.6	179.7	157.8	141.7	132.2	128.4	128.4
45°	347.1	334.7	301.4	271.9	236.8	207.3	175.9	155.0	143.6	138.8	137.9
47.5°	426.0	410.8	370.8	326.1	283.4	245.3	201.6	172.1	156.9	150.2	149.3
50°	531.5	516.3	462.1	400.3	348.0	290.0	233.0	194.0	172.1	162.6	160.7
52.5°	665.6	649.4	578.1	498.2	430.7	350.9	270.0	217.7	190.2	177.8	175.9
55°	804.4	786.3	698.9	599.0	526.8	419.3	312.8	251.0	213.9	195.9	192.1
57.5°	902.3	882.4	785.4	674.1	604.7	472.6	355.6	283.4	241.5	216.8	214.9
60°	973.7	952.7	849.1	737.9	658.0	512.5	393.6	310.0	267.2	243.4	242.5
62.5°	1037.4	1020.3	906.2	794.9	699.8	545.8	427.9	342.3	291.9	264.3	256.7
65°	1105.8	1078.3	956.5	845.3	746.4	583.8	448.8	371.8	313.8	283.4	276.7
67.5°	1163.8	1134.4	1019.3	906.2	791.1	614.2	476.4	398.4	340.4	302.4	300.5
70°	1236.1	1202.8	1064.9	952.7	832.9	653.2	503.9	414.6	355.6	318.5	307.1
72.5°	1277.9	1242.7	1110.6	1000.3	863.4	685.6	523.0	422.2	366.1	326.1	314.7
75°	1325.5	1287.4	1134.4	1035.5	893.8	710.3	540.1	433.6	373.7	329.0	318.5
77.5°	1346.4	1306.5	1171.4	1060.2	920.4	725.5	552.4	444.0	374.6	329.0	326.1
78°	1346.4	1304.6	1164.8	1064.0	918.5	726.4	554.3	447.8	375.6	326.1	323.3
80°	1337.8	1296.0	1154.3	1062.1	911.9	724.5	556.2	454.5	371.8	322.3	324.2
82.5°	1339.7	1303.6	1150.5	1056.4	909.0	723.6	551.5	447.8	365.1	314.7	317.6
85°	1290.3	1256.1	1119.1	1028.8	883.3	714.1	544.8	439.3	361.3	309.0	311.9
87.5°	1276.0	1240.8	1094.4	1010.7	860.5	695.1	534.4	432.6	352.8	302.4	306.2
90°	1249.4	1215.2	1064.9	980.3	835.8	670.3	509.7	412.7	339.5	290.0	291.9
92.5°	1180.9	1149.6	1006.9	927.1	791.1	639.9	484.9	391.7	320.4	275.7	275.7
95°	1093.5	1065.9	931.8	861.5	733.1	588.6	445.9	360.4	292.9	252.9	251.0
97.5°	972.7	947.0	830.1	764.5	654.2	522.0	389.8	312.8	252.9	213.9	213.9
100°	816.8	806.3	698.9	640.9	543.9	426.9	320.4	251.0	204.4	171.2	168.3
102.5°	610.4	588.6	501.1	453.6	384.1	296.7	219.6	174.0	146.4	123.6	118.9
105°	318.5	323.3	269.1	247.2	212.0	171.2	133.1	108.4	92.2	80.8	77.0
107.5°	190.2	185.4	162.6	148.3	129.3	105.5	84.6	70.4	60.9	54.2	52.3



REPORT NUMBER: P314610

CATALOG NUMBER: MPW-A6-D-U-ASYM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	136.0	134.1	117.0	105.5	92.2	75.1	59.9	50.4	43.7	39.0	38.0
112.5°	104.6	102.7	90.3	80.8	69.4	56.1	44.7	37.1	32.3	28.5	28.5
115°	84.6	82.7	73.2	63.7	54.2	43.7	35.2	28.5	24.7	21.9	21.9
117.5°	69.4	67.5	59.0	52.3	43.7	35.2	27.6	22.8	19.0	17.1	17.1
120°	59.0	57.1	50.4	43.7	36.1	29.5	22.8	18.1	16.2	14.3	14.3
122.5°	53.2	50.4	44.7	38.0	31.4	24.7	19.0	15.2	13.3	11.4	11.4
125°	48.5	46.6	40.9	34.2	26.6	21.9	16.2	12.4	10.5	9.5	8.6
127.5°	42.8	40.9	35.2	28.5	21.9	17.1	12.4	9.5	6.7	5.7	5.7
130°	34.2	31.4	26.6	20.9	15.2	11.4	8.6	5.7	3.8	3.8	2.9
132.5°	23.8	21.9	18.1	13.3	8.6	5.7	3.8	2.9	1.0	1.0	1.0
135°	7.6	6.7	3.8	3.8	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)