

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: P212607

Luminaire Tested: **MPW-AF-D-U-ASYM-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14376)
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPW-AF-D-U-ASYM-7030-800
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND ASYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3302.9 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 44
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

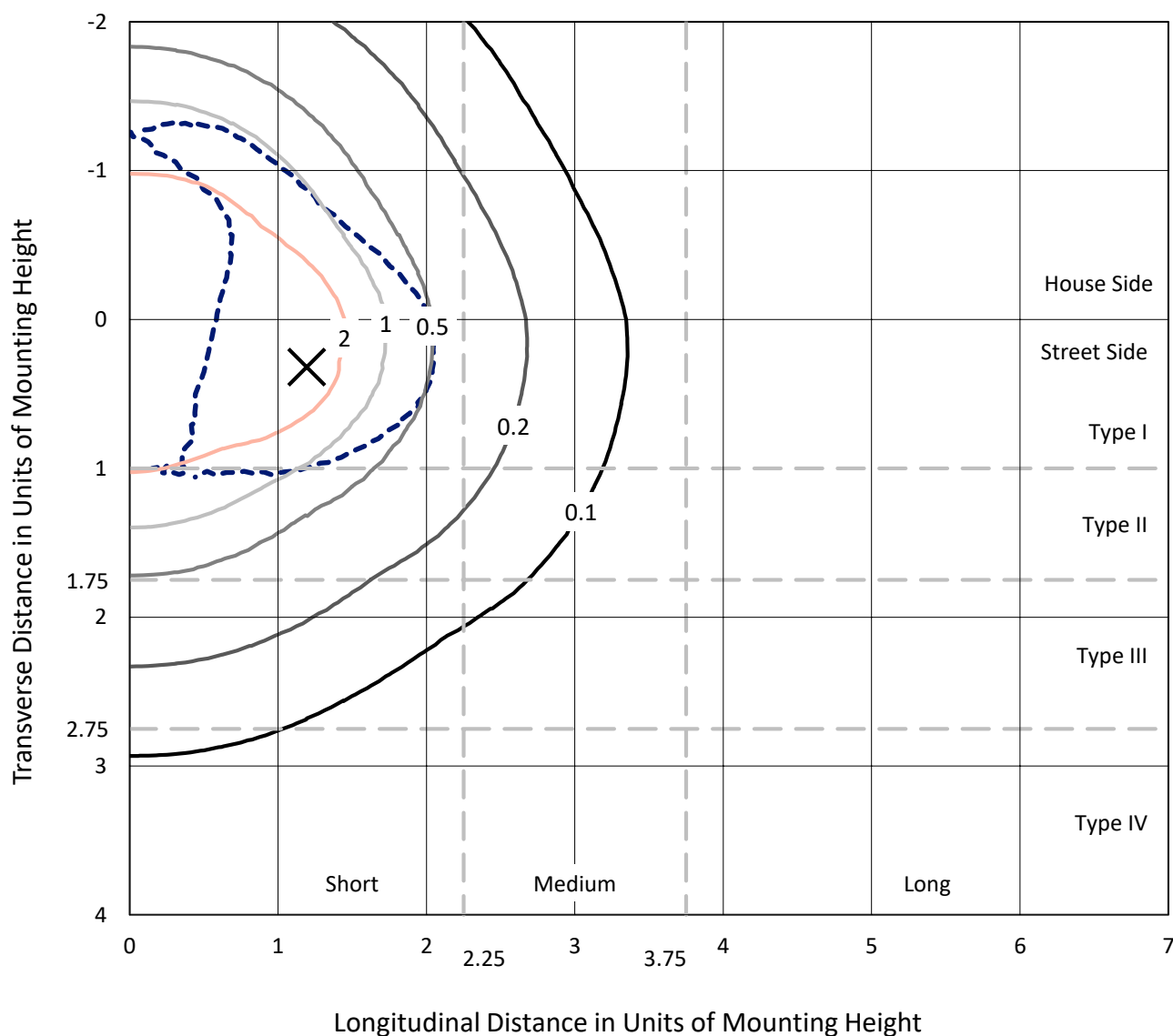


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

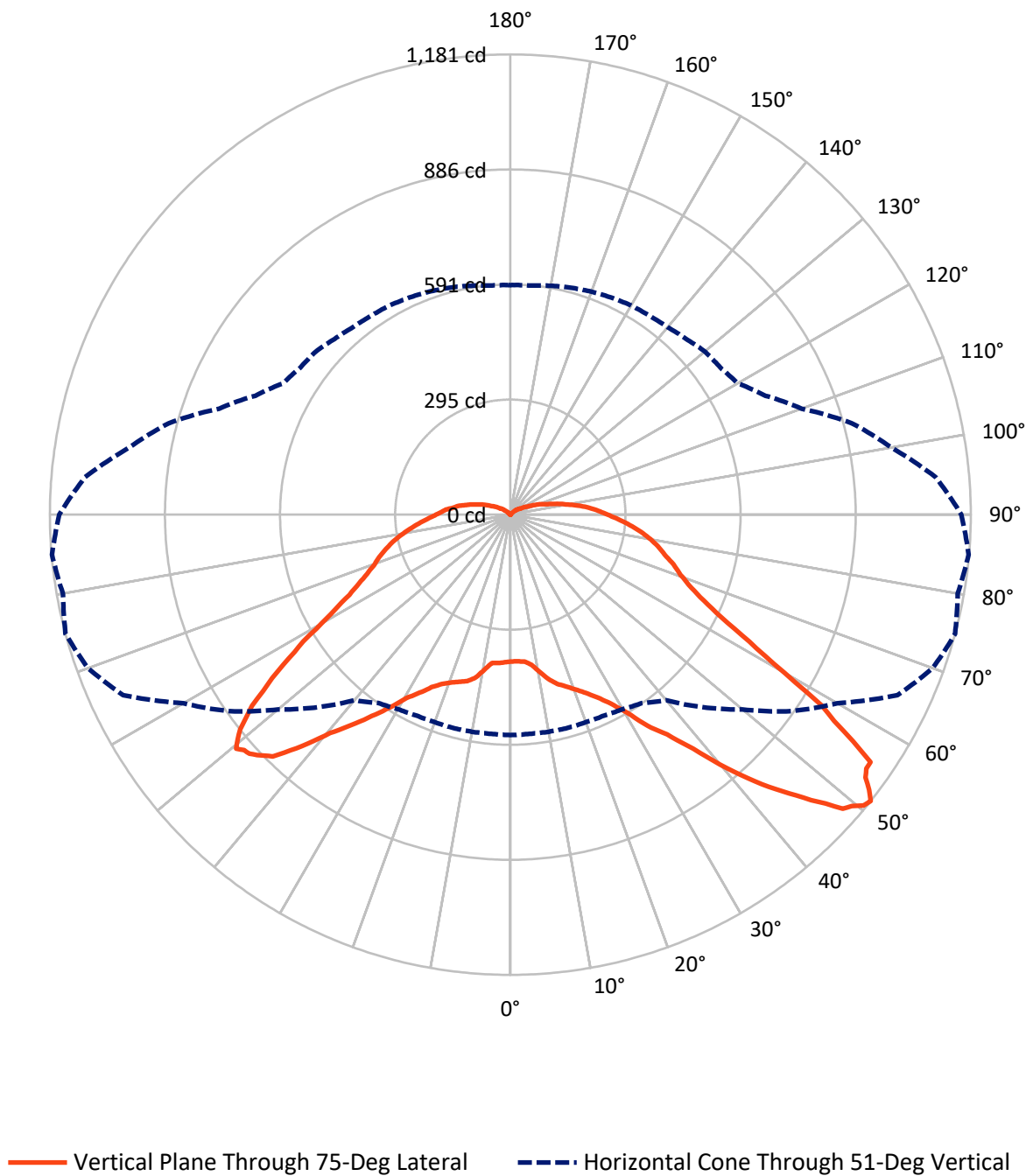


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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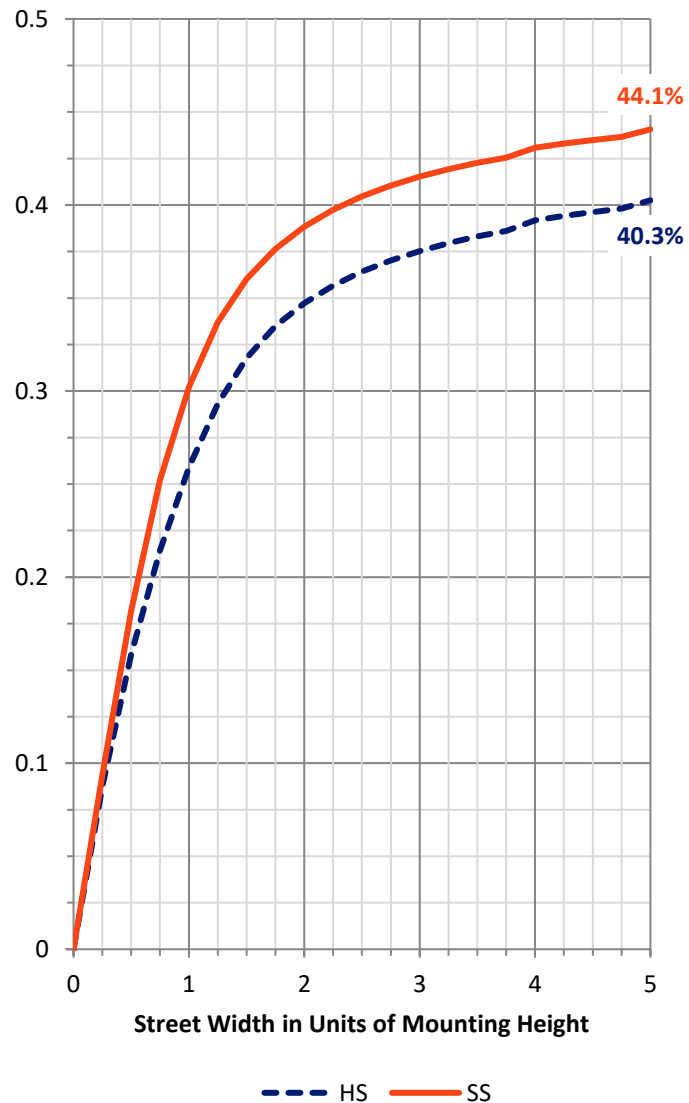
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1405.0	195.8	1600.8
	% Fixture	42.5	5.9	48.5
Street Side	Lumens	1520.5	181.7	1702.2
	% Fixture	46.0	5.5	51.5
Total	Lumens	2925.4	377.5	3302.9
	% Fixture	88.6	11.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.1
10°-20°	119.3	3.6
20°-30°	218.5	6.6
30°-40°	360.5	10.9
40°-50°	561.1	17.0
50°-60°	606.0	18.3
60°-70°	422.0	12.8
70°-80°	340.6	10.3
80°-90°	261.2	7.9
90°-100°	186.3	5.6
100°-110°	112.3	3.4
110°-120°	53.5	1.6
120°-130°	21.3	0.6
130°-140°	4.1	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2925.4	88.6
0°-180°	3302.9	100.0

Coefficient of Utilization



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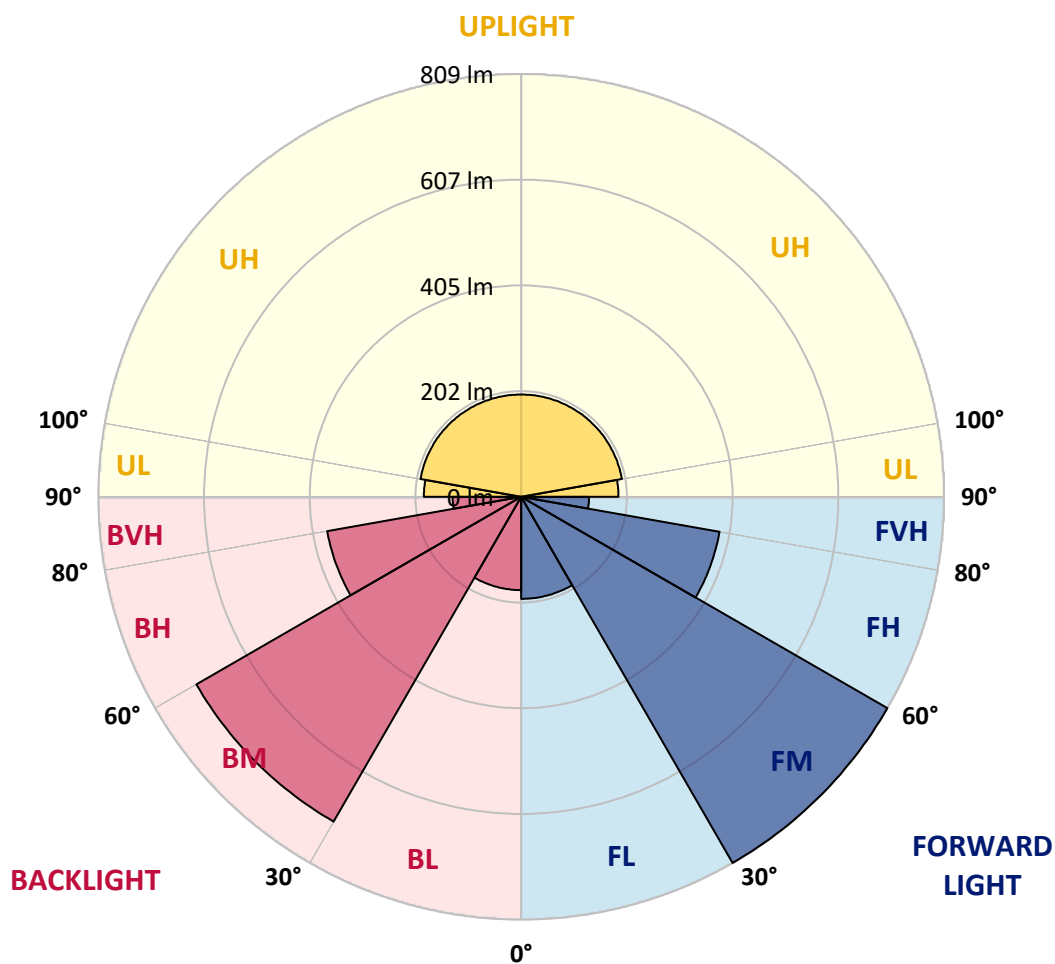
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.4	5.9			
FM	(30°-60°)	809.5	24.5			
FH	(60°-80°)	385.6	11.7			G0/660
FVH	(80°-90°)	130.0	3.9			G2/225
BL	(0°-30°)	178.7	5.4	B1/500		
BM	(30°-60°)	718.1	21.7	B1/1000		
BH	(60°-80°)	377.0	11.4	B1/500		G1/500
BVH	(80°-90°)	131.2	4.0			G2/225
UL	(90°-100°)	186.3	5.6		U3/500	
UH	(100°-180°)	195.8	5.9		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8
2.5°	374.6	374.6	374.6	374.6	375.7	374.6	375.7	374.6	375.7	375.7	376.8
5°	362.1	362.1	364.2	364.2	365.3	366.2	368.4	368.4	370.5	371.6	372.6
7.5°	368.4	369.4	369.4	368.4	369.4	371.6	372.6	374.6	377.8	380.0	383.2
10°	381.0	380.0	381.0	381.0	382.1	384.2	387.3	391.6	393.7	397.9	402.2
12.5°	395.8	395.8	397.9	397.9	400.0	403.2	408.5	410.6	413.8	419.0	423.3
15°	413.8	413.8	414.9	415.8	418.0	422.2	426.4	429.6	431.7	434.9	438.0
17.5°	433.8	435.9	436.9	439.1	440.1	443.3	445.4	446.4	447.5	448.6	451.8
20°	450.7	450.7	452.8	455.0	457.0	462.3	463.4	463.4	462.3	464.5	466.5
22.5°	450.7	449.6	455.0	462.3	467.6	472.9	476.0	478.1	480.3	479.2	482.4
25°	441.2	442.3	447.5	455.9	467.6	477.1	485.5	490.8	496.0	497.1	501.4
27.5°	455.0	455.0	460.2	467.6	477.1	487.6	498.2	508.7	516.1	523.6	528.8
30°	466.5	468.6	475.0	484.5	491.9	502.4	514.1	526.7	537.2	546.7	554.2
32.5°	487.6	488.7	492.9	499.2	509.8	522.5	536.2	551.0	566.8	578.4	590.0
35°	510.9	507.7	507.7	513.0	521.4	533.1	548.8	567.8	597.4	613.3	629.1
37.5°	528.8	528.8	529.9	533.1	537.2	545.8	560.5	583.7	618.5	654.5	670.2
40°	556.2	556.2	555.1	558.3	562.6	570.0	582.7	604.8	634.4	693.5	734.7
42.5°	576.3	575.2	576.3	580.5	581.6	586.8	599.5	623.8	655.4	710.4	782.1
45°	587.9	587.9	586.8	589.0	592.2	598.5	606.9	631.2	672.4	728.3	802.2
46°	589.0	589.0	587.9	590.0	593.2	598.5	605.8	629.1	674.5	733.6	803.3
47°	587.9	585.8	585.8	586.8	589.0	593.2	600.6	620.6	669.2	725.2	804.3
48°	584.8	583.7	584.8	586.8	586.8	592.2	598.5	617.4	662.9	724.1	818.0
49°	582.7	582.7	583.7	584.8	586.8	590.0	598.5	616.4	653.4	723.0	809.6
50°	578.4	578.4	579.5	581.6	580.5	581.6	590.0	603.8	637.5	714.6	799.0
51°	565.7	564.7	565.7	566.8	566.8	568.9	576.3	590.0	621.7	698.7	777.9
52°	549.9	549.9	551.0	553.1	554.2	556.2	562.6	575.2	604.8	681.9	758.9
53°	526.7	528.8	534.1	534.1	536.2	539.4	546.7	559.4	586.8	653.4	734.7
54°	515.0	517.2	522.5	525.6	527.7	534.1	541.5	552.0	575.2	631.2	726.1
55°	488.7	490.8	495.1	500.3	502.4	508.7	516.1	528.8	553.1	603.8	688.2
56°	468.6	469.7	475.0	478.1	479.2	482.4	488.7	497.1	518.2	559.4	639.6
57°	450.7	448.6	451.8	455.9	457.0	460.2	466.5	472.9	490.8	529.9	600.6
58°	424.4	420.1	424.4	427.5	429.6	432.8	439.1	444.4	460.2	496.0	558.3
59°	403.2	405.4	409.5	412.7	414.9	418.0	421.2	427.5	441.2	469.7	528.8
60°	388.4	389.5	391.6	394.8	396.8	400.0	403.2	408.5	421.2	446.4	499.2
61°	375.7	375.7	378.9	382.1	382.1	385.2	387.3	391.6	403.2	424.4	471.8
62°	365.3	363.1	366.2	370.5	370.5	373.7	374.6	378.9	388.4	406.3	449.6
63°	352.6	353.6	354.7	358.9	358.9	362.1	362.1	367.3	373.7	390.5	429.6
64°	340.9	344.1	343.1	346.2	347.2	348.3	350.4	353.6	359.9	376.8	411.7
65°	336.7	336.7	339.9	340.9	342.0	344.1	346.2	349.4	355.7	369.4	406.3
66°	330.4	330.4	332.5	334.6	334.6	336.7	339.9	343.1	348.3	361.0	394.8
67°	324.1	324.1	325.0	327.2	327.2	328.2	331.4	334.6	340.9	353.6	385.2
68°	317.7	317.7	318.7	319.8	319.8	320.9	324.1	328.2	334.6	346.2	376.8
69°	313.5	309.3	312.5	312.5	312.5	314.6	315.6	319.8	328.2	340.9	368.4
70°	303.0	304.0	305.1	306.1	306.1	305.1	306.1	311.4	318.7	331.4	358.9
72.5°	289.2	290.3	291.3	291.3	290.3	290.3	291.3	294.5	300.8	313.5	338.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
75°	269.1	271.3	271.3	271.3	269.1	269.1	270.2	272.3	276.5	288.1	310.3
77.5°	256.5	255.4	256.5	255.4	254.4	254.4	253.4	254.4	257.5	268.1	288.1
80°	241.7	238.5	239.6	237.5	237.5	236.4	234.4	234.4	237.5	250.2	265.9
82.5°	222.7	221.7	222.7	221.7	219.5	217.4	215.4	216.3	219.5	224.9	241.7
85°	205.8	207.9	206.8	204.8	201.6	199.5	197.4	198.4	199.5	203.7	219.5
87.5°	193.2	192.1	193.2	190.0	187.9	185.7	183.7	182.6	183.7	187.9	196.3
90°	181.6	181.6	180.5	179.4	176.2	175.3	172.1	171.0	171.0	175.3	185.7
92.5°	173.1	172.1	169.9	169.9	165.7	162.6	161.5	160.4	159.4	163.6	173.1
95°	159.4	158.3	158.3	157.2	154.1	152.0	149.9	148.8	149.9	152.0	160.4
97.5°	139.3	142.5	139.3	139.3	136.1	135.2	134.1	132.0	132.0	135.2	141.5
100°	130.9	129.8	128.8	127.7	126.6	125.6	124.6	123.5	123.5	126.6	130.9
102.5°	118.2	115.0	115.0	110.8	110.8	110.8	109.8	109.8	110.8	115.0	117.1
105°	99.2	98.1	98.1	97.1	97.1	96.0	96.0	94.9	97.1	98.1	102.4
107.5°	84.5	84.5	84.5	83.4	83.4	83.4	83.4	83.4	83.4	85.6	88.6
110°	71.8	70.7	71.8	70.7	71.8	70.7	70.7	70.7	72.9	73.9	79.2
112.5°	57.0	58.0	59.1	58.0	58.0	59.1	59.1	59.1	60.2	61.2	63.4
115°	47.5	44.4	44.4	45.3	44.4	45.3	45.3	47.5	47.5	49.6	49.6
117.5°	36.9	36.9	36.9	38.0	38.0	38.0	39.0	40.1	40.1	41.2	42.2
120°	27.4	28.5	26.4	29.5	27.4	28.5	28.5	29.5	32.7	30.6	31.7
122.5°	22.2	22.2	22.2	23.3	23.3	23.3	23.3	24.3	24.3	24.3	25.3
125°	17.9	19.0	20.1	20.1	19.0	20.1	20.1	20.1	21.1	23.3	23.3
127.5°	14.8	13.8	14.8	14.8	15.8	15.8	14.8	14.8	15.8	15.8	16.9
130°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	11.6	11.6	11.6	11.6
132.5°	3.2	4.3	4.3	4.3	4.3	5.2	4.3	5.2	5.2	4.3	5.2
135°	1.1	1.1	1.1	1.1	1.1	2.1	2.1	3.2	2.1	1.1	2.1
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°	1.1	1.1	1.1	0.0	1.1	2.1	1.1	1.1	1.1	0.0	1.1
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8
2.5°	376.8	376.8	377.8	376.8	376.8	376.8	377.8	377.8	377.8	378.9	378.9
5°	372.6	375.7	375.7	377.8	378.9	380.0	381.0	380.0	381.0	381.0	382.1
7.5°	384.2	384.2	387.3	387.3	388.4	388.4	389.5	386.3	386.3	385.2	383.2
10°	406.3	408.5	409.5	410.6	409.5	408.5	406.3	406.3	406.3	404.3	403.2
12.5°	425.3	429.6	431.7	433.8	432.8	432.8	430.7	429.6	429.6	429.6	427.5
15°	442.3	445.4	448.6	450.7	450.7	449.6	450.7	447.5	447.5	444.4	441.2
17.5°	455.9	460.2	462.3	465.4	463.4	462.3	461.3	458.1	455.9	452.8	448.6
20°	470.8	474.0	477.1	480.3	479.2	477.1	474.0	470.8	466.5	463.4	457.0
22.5°	486.6	490.8	495.1	497.1	497.1	495.1	490.8	487.6	481.3	476.0	468.6
25°	505.5	510.9	516.1	518.2	519.3	517.2	510.9	506.6	501.4	494.0	486.6
27.5°	534.1	541.5	546.7	548.8	548.8	547.8	542.6	538.3	529.9	523.6	513.0
30°	561.5	574.2	583.7	593.2	589.0	584.8	581.6	575.2	564.7	554.2	540.4
32.5°	605.8	621.7	638.6	645.9	645.9	642.8	635.5	629.1	620.6	604.8	583.7
35°	650.2	670.2	690.3	693.5	692.4	691.4	685.1	685.1	676.5	651.3	626.9
37.5°	693.5	732.5	755.7	763.2	762.1	762.1	752.6	749.4	731.5	704.1	675.6
40°	746.2	801.1	846.5	859.2	856.0	850.7	838.0	831.8	808.5	766.3	726.1
42.5°	810.6	868.7	935.2	957.3	945.7	936.2	936.2	918.3	897.1	852.9	799.0
45°	866.5	915.2	1013.3	1046.0	1028.0	1009.0	1016.4	1009.0	983.8	927.8	869.7
46°	880.3	939.4	1054.5	1086.1	1064.0	1043.9	1052.4	1041.8	1014.4	955.3	882.4
47°	900.3	961.6	1085.1	1122.0	1097.7	1067.1	1088.2	1074.5	1038.6	976.3	896.1
48°	909.8	979.5	1114.7	1148.4	1138.9	1096.6	1121.0	1097.7	1071.3	991.1	907.7
49°	904.6	977.4	1116.7	1162.1	1151.6	1123.1	1139.9	1115.6	1068.1	1006.0	912.0
50°	900.3	976.3	1112.5	1167.4	1173.8	1154.8	1154.8	1136.7	1078.7	993.3	924.7
51°	879.2	967.9	1095.7	1152.6	1181.1	1165.2	1180.1	1156.8	1095.7	992.2	906.6
52°	848.6	954.2	1077.6	1139.9	1160.0	1150.5	1177.9	1168.4	1103.0	992.2	885.5
53°	820.1	940.5	1045.0	1117.8	1133.6	1116.7	1138.9	1145.3	1070.3	982.7	852.9
54°	791.6	900.3	1032.3	1134.7	1122.0	1099.8	1130.4	1129.4	1051.3	931.0	824.4
55°	752.6	847.5	980.6	1093.5	1121.0	1100.9	1125.2	1104.1	1003.8	883.5	778.9
56°	707.2	803.3	896.1	1006.0	1054.5	1074.5	1095.7	1067.1	957.3	845.4	741.0
57°	658.6	736.7	815.9	909.8	984.8	1000.6	1015.3	999.6	893.0	791.6	698.7
58°	612.2	680.8	749.4	835.9	937.3	962.6	962.6	951.0	835.9	744.2	656.5
59°	580.5	640.7	698.7	780.0	848.6	862.4	870.8	864.5	781.1	697.7	622.8
60°	546.7	599.5	657.6	727.2	776.8	784.3	786.3	771.6	708.2	645.0	577.3
61°	515.0	564.7	612.2	673.4	718.8	728.3	728.3	709.3	656.5	595.4	541.5
62°	490.8	534.1	574.2	625.9	670.2	681.9	676.5	661.8	615.3	558.3	511.9
63°	468.6	508.7	544.7	586.8	622.8	633.3	628.0	617.4	577.3	528.8	487.6
64°	448.6	484.5	517.2	554.2	585.8	595.4	585.8	578.4	544.7	498.2	461.3
65°	439.1	472.9	501.4	533.1	557.3	562.6	556.2	544.7	517.2	479.2	443.3
66°	428.5	459.1	485.5	511.9	530.9	536.2	530.9	519.3	492.9	459.1	426.4
67°	416.9	445.4	470.8	495.1	510.9	514.1	510.9	500.3	474.0	442.3	411.7
68°	407.4	434.9	457.0	479.2	491.9	496.0	495.1	483.5	455.0	426.4	397.9
69°	399.0	424.4	447.5	465.4	478.1	479.2	479.2	468.6	442.3	414.9	387.3
70°	389.5	413.8	433.8	452.8	463.4	465.4	465.4	455.0	431.7	403.2	373.7
72.5°	370.5	391.6	412.7	427.5	438.0	441.2	444.4	433.8	407.4	381.0	353.6



REPORT NUMBER: P212607

CATALOG NUMBER: MPW-AF-D-U-ASYM-7030-800

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
75°	344.1	363.1	383.2	396.8	408.5	411.7	415.8	408.5	382.1	355.7	331.4
77.5°	317.7	336.7	356.7	373.7	386.3	390.5	393.7	386.3	359.9	335.6	309.3
80°	291.3	308.2	330.4	346.2	359.9	363.1	367.3	355.7	335.6	308.2	284.0
82.5°	267.0	282.9	303.0	318.7	332.5	337.7	335.6	327.2	305.1	280.8	259.6
85°	241.7	256.5	274.5	288.1	301.9	305.1	304.0	294.5	275.4	254.4	235.3
87.5°	220.6	234.4	249.1	258.6	271.3	273.4	272.3	262.8	247.0	230.1	213.2
90°	202.7	214.3	228.0	235.3	243.9	250.2	248.0	238.5	223.8	210.0	193.2
92.5°	190.0	198.4	209.0	216.3	221.7	225.8	225.8	217.4	204.8	191.1	178.4
95°	172.1	179.4	188.9	194.3	198.4	203.7	203.7	197.4	186.8	176.2	165.7
97.5°	152.0	157.2	162.6	166.7	169.9	174.2	172.1	168.9	162.6	154.1	146.7
100°	135.2	137.2	140.4	143.6	144.6	147.7	148.8	147.7	143.6	139.3	135.2
102.5°	120.3	122.5	122.5	123.5	123.5	122.5	123.5	122.5	121.4	122.5	118.2
105°	102.4	104.5	102.4	100.3	100.3	101.3	102.4	103.5	103.5	104.5	103.5
107.5°	90.8	90.8	89.7	87.6	87.6	87.6	87.6	87.6	89.7	90.8	89.7
110°	78.1	76.0	76.0	75.0	73.9	73.9	75.0	73.9	75.0	77.0	78.1
112.5°	64.4	63.4	62.3	61.2	59.1	60.2	62.3	62.3	64.4	65.4	65.4
115°	49.6	50.7	51.7	48.5	47.5	47.5	47.5	49.6	50.7	50.7	52.8
117.5°	42.2	43.3	42.2	42.2	41.2	41.2	42.2	42.2	44.4	46.4	46.4
120°	32.7	31.7	31.7	33.8	31.7	32.7	33.8	32.7	32.7	35.8	38.0
122.5°	26.4	27.4	27.4	26.4	27.4	28.5	27.4	28.5	27.4	28.5	29.5
125°	24.3	24.3	24.3	24.3	24.3	25.3	26.4	26.4	25.3	25.3	26.4
127.5°	17.9	19.0	19.0	20.1	20.1	20.1	21.1	21.1	20.1	20.1	20.1
130°	13.8	13.8	14.8	17.9	15.8	15.8	16.9	15.8	16.9	16.9	14.8
132.5°	5.2	6.3	6.3	7.4	8.4	9.5	9.5	9.5	8.4	9.5	8.4
135°	3.2	2.1	3.2	4.3	3.2	5.2	5.2	4.3	5.2	5.2	5.2
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°	2.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	2.1	1.1
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



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CATALOG NUMBER: MPW-AF-D-U-ASYM-7030-800

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8
2.5°	378.9	378.9	377.8	378.9	380.0	378.9	378.9	378.9	377.8	378.9	378.9
5°	382.1	382.1	383.2	382.1	383.2	383.2	383.2	382.1	381.0	381.0	378.9
7.5°	382.1	381.0	382.1	382.1	381.0	377.8	374.6	371.6	369.4	368.4	367.3
10°	401.1	397.9	393.7	388.4	383.2	377.8	373.7	368.4	363.1	361.0	356.7
12.5°	421.2	416.9	410.6	407.4	401.1	395.8	388.4	382.1	375.7	367.3	363.1
15°	436.9	433.8	428.5	422.2	412.7	404.3	395.8	388.4	382.1	376.8	371.6
17.5°	447.5	442.3	435.9	426.4	420.1	412.7	405.4	399.0	393.7	387.3	382.1
20°	452.8	446.4	440.1	434.9	428.5	421.2	415.8	408.5	402.2	393.7	388.4
22.5°	463.4	457.0	452.8	443.3	435.9	430.7	425.3	419.0	411.7	402.2	392.7
25°	478.1	470.8	462.3	455.0	449.6	443.3	434.9	423.3	414.9	406.3	400.0
27.5°	503.5	492.9	481.3	474.0	466.5	455.9	446.4	438.0	429.6	421.2	411.7
30°	524.6	507.7	496.0	486.6	472.9	464.5	455.0	445.4	435.9	428.5	422.2
32.5°	563.7	541.5	522.5	508.7	494.0	483.5	474.0	466.5	457.0	448.6	441.2
35°	599.5	574.2	551.0	529.9	516.1	505.5	494.0	483.5	474.0	465.4	459.1
37.5°	637.5	603.8	575.2	555.1	541.5	528.8	517.2	506.6	498.2	490.8	484.5
40°	685.1	640.7	607.9	585.8	568.9	555.1	542.6	530.9	523.6	516.1	510.9
42.5°	749.4	684.0	645.9	621.7	598.5	583.7	570.0	561.5	554.2	545.8	541.5
45°	792.7	724.1	670.2	639.6	620.6	607.9	599.5	590.0	587.9	579.5	572.1
46°	803.3	726.1	676.5	639.6	625.9	614.3	604.8	599.5	595.4	589.0	581.6
47°	802.2	724.1	673.4	639.6	626.9	618.5	611.1	610.1	601.7	595.4	592.2
48°	801.1	734.7	679.7	647.0	636.4	625.9	618.5	614.3	610.1	603.8	597.4
49°	799.0	730.4	680.8	653.4	643.9	632.3	623.8	618.5	613.3	607.9	602.7
50°	800.1	729.3	678.7	658.6	650.2	639.6	629.1	621.7	617.4	612.2	605.8
51°	794.8	722.0	673.4	657.6	651.3	637.5	628.0	622.8	619.6	614.3	609.0
52°	783.2	714.6	668.1	651.3	647.0	633.3	622.8	618.5	615.3	610.1	604.8
53°	752.6	685.1	641.8	630.1	624.9	615.3	612.2	610.1	607.9	604.8	598.5
54°	720.9	660.8	628.0	617.4	613.3	605.8	601.7	604.8	601.7	601.7	595.4
55°	694.6	638.6	612.2	602.7	598.5	592.2	587.9	589.0	589.0	587.9	581.6
56°	670.2	623.8	597.4	586.8	582.7	577.3	575.2	575.2	575.2	573.2	567.8
57°	638.6	599.5	582.7	575.2	571.0	565.7	565.7	564.7	562.6	559.4	557.3
58°	604.8	564.7	548.8	540.4	539.4	535.2	536.2	537.2	537.2	534.1	533.1
59°	571.0	536.2	520.4	515.0	510.9	510.9	511.9	513.0	514.1	514.1	510.9
60°	533.1	501.4	488.7	485.5	484.5	484.5	484.5	487.6	489.7	490.8	490.8
61°	504.6	476.0	463.4	460.2	460.2	460.2	461.3	464.5	465.4	466.5	465.4
62°	478.1	451.8	440.1	439.1	439.1	440.1	440.1	443.3	443.3	444.4	443.3
63°	452.8	429.6	421.2	418.0	420.1	420.1	419.0	422.2	425.3	424.4	422.2
64°	427.5	408.5	400.0	399.0	397.9	399.0	397.9	401.1	402.2	402.2	404.3
65°	414.9	396.8	387.3	385.2	387.3	386.3	389.5	390.5	391.6	392.7	391.6
66°	401.1	384.2	376.8	372.6	373.7	373.7	376.8	377.8	380.0	378.9	382.1
67°	389.5	371.6	364.2	362.1	362.1	362.1	363.1	366.2	367.3	369.4	369.4
68°	376.8	361.0	355.7	353.6	353.6	352.6	353.6	356.7	357.8	359.9	361.0
69°	366.2	351.5	346.2	343.1	345.2	343.1	344.1	349.4	348.3	350.4	356.7
70°	356.7	342.0	337.7	337.7	335.6	336.7	336.7	338.8	339.9	344.1	343.1
72.5°	338.8	326.1	319.8	320.9	320.9	320.9	321.9	324.1	325.0	328.2	330.4



REPORT NUMBER: P212607
CATALOG NUMBER: MPW-AF-D-U-ASYM-7030-800

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
75°	313.5	303.0	299.8	299.8	299.8	301.9	301.9	303.0	308.2	310.3	310.3	0°
77.5°	295.5	284.9	281.8	281.8	284.0	284.9	287.1	289.2	291.3	295.5	296.6	2.5°
80°	271.3	262.8	261.8	262.8	265.0	267.0	269.1	274.5	276.5	277.6	284.0	5°
82.5°	250.2	241.7	241.7	243.9	247.0	249.1	253.4	255.4	257.5	260.7	262.8	7.5°
85°	225.8	219.5	221.7	223.8	229.0	230.1	232.2	236.4	239.6	240.7	243.9	10°
87.5°	204.8	201.6	202.7	205.8	209.0	214.3	216.3	218.5	222.7	224.9	224.9	12.5°
90°	187.9	184.8	187.9	192.1	195.2	197.4	200.6	202.7	205.8	206.8	207.9	15°
92.5°	174.2	172.1	175.3	179.4	182.6	183.7	185.7	191.1	192.1	194.3	194.3	17.5°
95°	161.5	160.4	163.6	166.7	169.9	173.1	175.3	178.4	181.6	182.6	182.6	20°
97.5°	143.6	142.5	145.6	152.0	153.1	154.1	156.2	158.3	162.6	163.6	162.6	22.5°
100°	134.1	133.0	134.1	138.3	139.3	143.6	144.6	147.7	148.8	150.9	149.9	25°
102.5°	116.1	117.1	119.3	119.3	123.5	123.5	126.6	128.8	129.8	133.0	137.2	27.5°
105°	103.5	103.5	104.5	104.5	106.6	107.6	107.6	110.8	113.0	113.0	114.0	30°
107.5°	90.8	90.8	91.8	92.9	94.0	94.0	94.9	97.1	97.1	99.2	99.2	32.5°
110°	78.1	80.2	79.2	79.2	79.2	81.3	82.4	82.4	83.4	84.5	84.5	35°
112.5°	66.5	66.5	66.5	67.5	68.6	68.6	69.7	69.7	70.7	71.8	71.8	37.5°
115°	53.9	53.9	54.8	53.9	52.8	53.9	53.9	54.8	55.9	54.8	61.2	40°
117.5°	47.5	46.4	45.3	46.4	45.3	45.3	45.3	46.4	47.5	47.5	49.6	42.5°
120°	34.9	34.9	34.9	34.9	36.9	34.9	34.9	33.8	35.8	34.9	35.8	45°
122.5°	29.5	28.5	28.5	28.5	28.5	28.5	28.5	29.5	28.5	29.5	28.5	46°
125°	25.3	25.3	27.4	25.3	24.3	25.3	25.3	25.3	25.3	26.4	30.6	47°
127.5°	20.1	21.1	20.1	20.1	20.1	21.1	20.1	20.1	21.1	22.2	21.1	48°
130°	16.9	14.8	15.8	15.8	15.8	15.8	15.8	15.8	16.9	19.0	17.9	49°
132.5°	8.4	8.4	8.4	9.5	10.6	10.6	9.5	10.6	10.6	11.6	10.6	50°
135°	6.3	7.4	5.2	5.2	7.4	6.3	8.4	7.4	7.4	7.4	6.3	51°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52°
140°	2.1	2.1	1.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	53°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												70°
												72.5°



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REPORT NUMBER: P

CATALOG NUMBER:

DISTRIBUTION (continued):

165°	170°	175°	180°
376.8	376.8	376.8	376.8
378.9	376.8	377.8	377.8
378.9	378.9	378.9	376.8
365.3	366.2	365.3	365.3
354.7	352.6	351.5	350.4
361.0	359.9	358.9	358.9
368.4	366.2	365.3	365.3
376.8	374.6	371.6	375.7
384.2	381.0	377.8	377.8
386.3	383.2	380.0	378.9
391.6	386.3	383.2	383.2
405.4	400.0	397.9	396.8
414.9	410.6	405.4	404.3
434.9	430.7	428.5	426.4
455.0	450.7	448.6	446.4
481.3	475.0	471.8	470.8
506.6	501.4	498.2	501.4
536.2	530.9	528.8	526.7
567.8	561.5	555.1	555.1
576.3	571.0	567.8	566.8
584.8	579.5	573.2	571.0
594.3	586.8	581.6	581.6
596.3	591.1	585.8	583.7
600.6	596.3	590.0	589.0
602.7	596.3	590.0	589.0
599.5	594.3	589.0	587.9
595.4	589.0	582.7	586.8
590.0	584.8	579.5	578.4
578.4	573.2	567.8	567.8
564.7	560.5	555.1	553.1
554.2	545.8	538.3	539.4
527.7	523.6	518.2	517.2
506.6	505.5	502.4	501.4
488.7	485.5	483.5	482.4
462.3	462.3	458.1	457.0
442.3	440.1	438.0	438.0
424.4	422.2	421.2	422.2
404.3	405.4	402.2	404.3
393.7	394.8	393.7	391.6
382.1	383.2	381.0	382.1
372.6	372.6	371.6	370.5
364.2	364.2	362.1	362.1
353.6	355.7	354.7	353.6
347.2	347.2	348.3	345.2
331.4	333.6	333.6	333.6

CANDELA DISTRIBUTION:

	165°
75°	312.5
77.5°	298.7
80°	281.8
82.5°	263.9
85°	244.8
87.5°	224.9
90°	210.0
92.5°	194.3
95°	184.8
97.5°	164.7
100°	152.0
102.5°	133.0
105°	114.0
107.5°	99.2
110°	84.5
112.5°	72.9
115°	57.0
117.5°	48.5
120°	36.9
122.5°	30.6
125°	27.4
127.5°	21.1
130°	16.9
132.5°	10.6
135°	8.4
137.5°	0.0
140°	2.1
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



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TION (continued):

[illegible]

(END OF REPORT)