

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: P271887

Luminaire Tested: **MPW-AF-D-U-ASYM-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271887
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-7027
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND ASYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3671.7 lumens
Efficiency: N/A
Efficacy: 63.3 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): 58
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



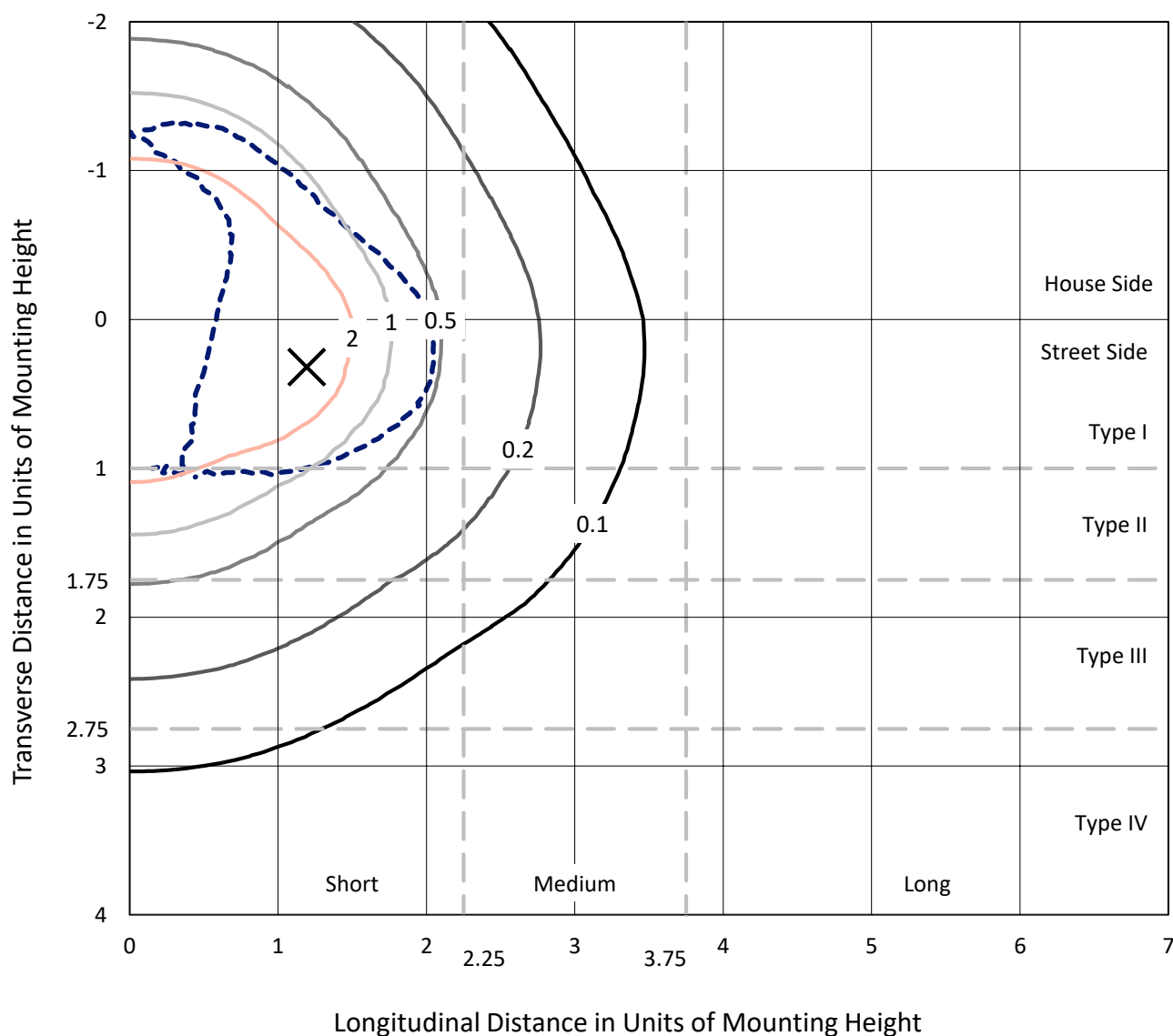
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CATALOG NUMBER: MPW-AF-D-U-ASYM-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

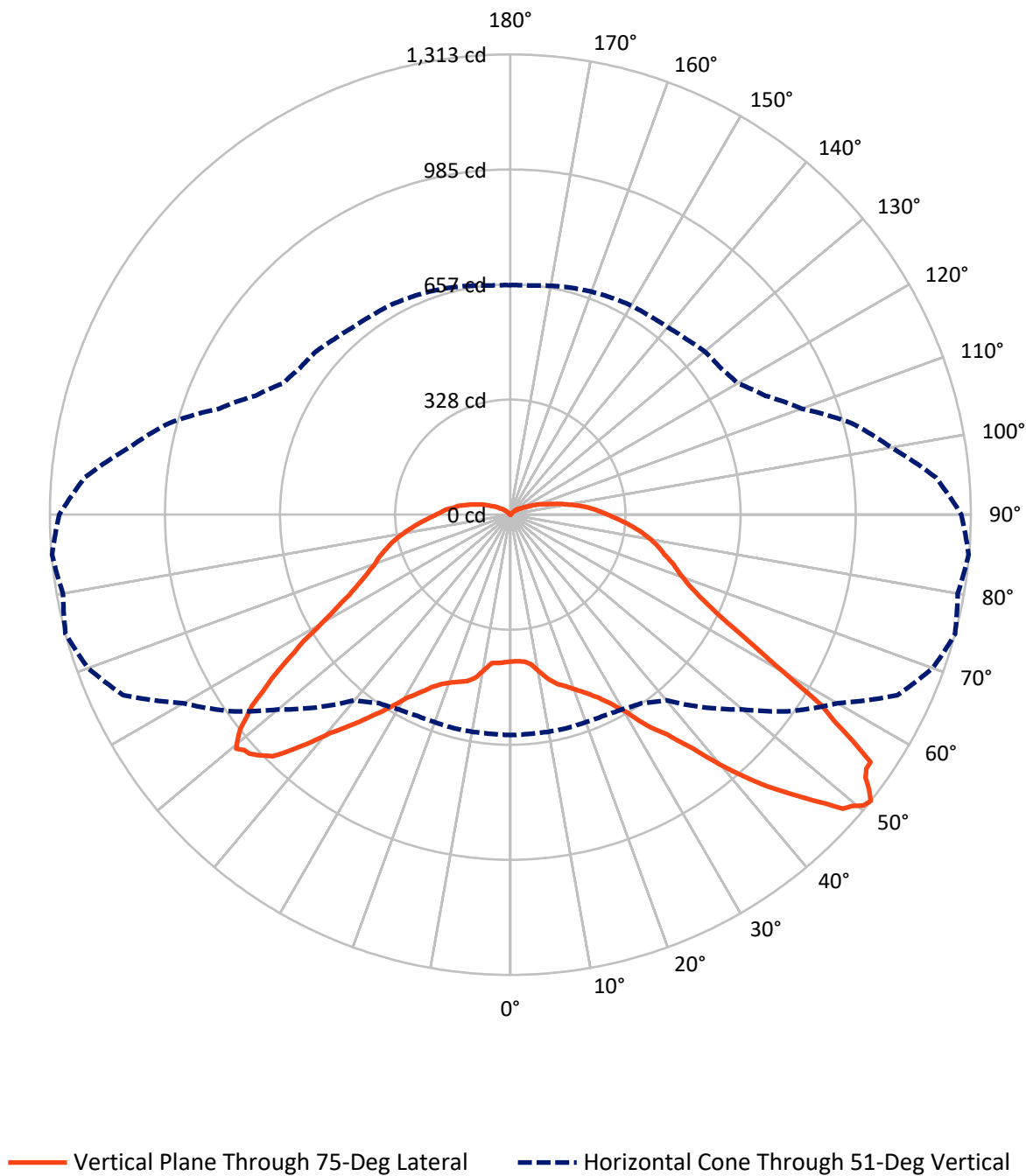


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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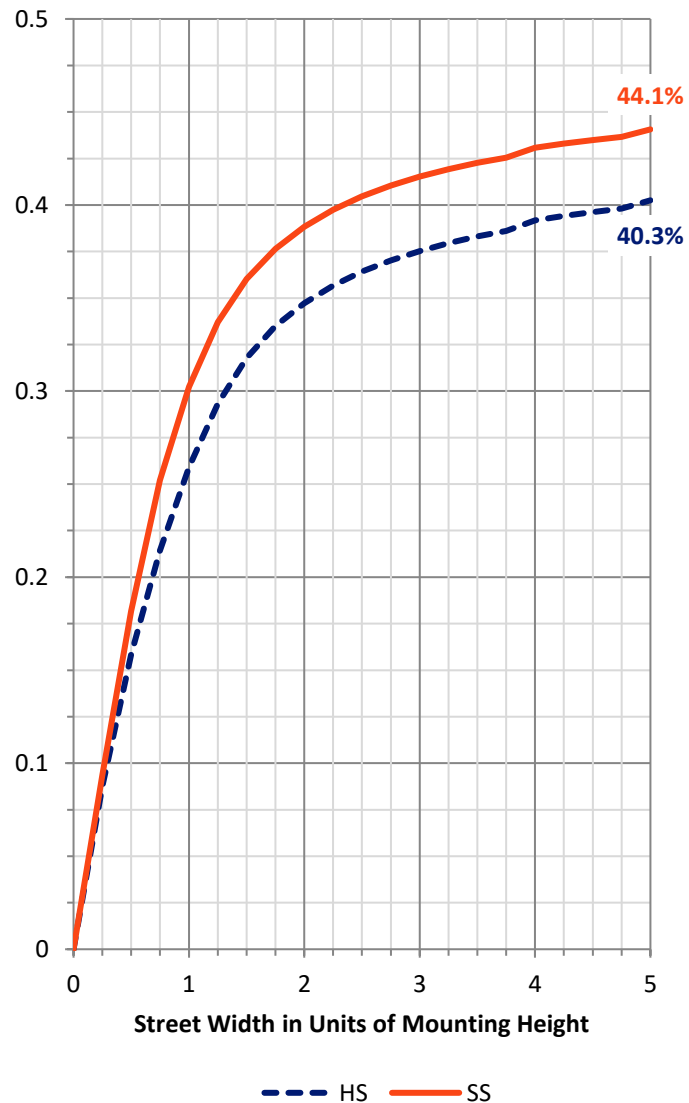
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1561.9	217.7	1779.5
	% Fixture	42.5	5.9	48.5
Street Side	Lumens	1690.2	202.0	1892.2
	% Fixture	46.0	5.5	51.5
Total	Lumens	3252.1	419.6	3671.7
	% Fixture	88.6	11.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	1.1
10°-20°	132.7	3.6
20°-30°	242.9	6.6
30°-40°	400.8	10.9
40°-50°	623.7	17.0
50°-60°	673.7	18.3
60°-70°	469.1	12.8
70°-80°	378.7	10.3
80°-90°	290.4	7.9
90°-100°	207.0	5.6
100°-110°	124.8	3.4
110°-120°	59.5	1.6
120°-130°	23.6	0.6
130°-140°	4.6	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°	3252.1	88.6
0°-180°	3671.7	100.0

Coefficient of Utilization



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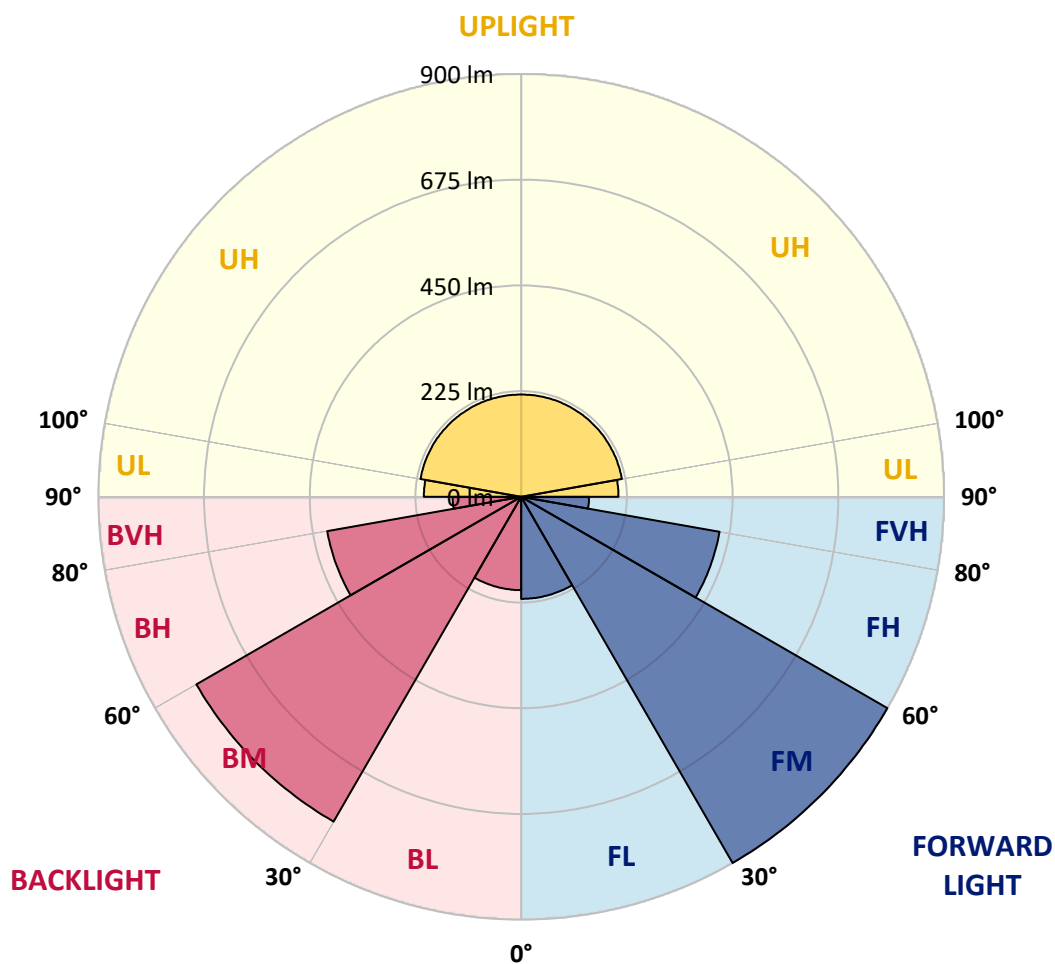
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.2	5.9			
FM	(30°-60°)	899.9	24.5			
FH	(60°-80°)	428.7	11.7			G0/660
FVH	(80°-90°)	144.5	3.9			G2/225
BL	(0°-30°)	198.6	5.4	B1/500		
BM	(30°-60°)	798.3	21.7	B1/1000		
BH	(60°-80°)	419.1	11.4	B1/500		G1/500
BVH	(80°-90°)	145.8	4.0			G2/225
UL	(90°-100°)	207.0	5.6		U3/500	
UH	(100°-180°)	217.7	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°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	416.5	416.5	416.5	416.5	417.7	416.5	417.7	416.5	417.7	417.7	418.9
5°	402.5	402.5	404.8	404.8	405.9	407.1	409.4	409.4	411.9	413.0	414.2
7.5°	409.4	410.6	410.6	409.4	410.6	413.0	414.2	416.5	420.0	422.5	426.0
10°	423.6	422.5	423.6	423.6	424.8	427.1	430.6	435.3	437.7	442.3	447.1
12.5°	440.0	440.0	442.3	442.3	444.8	448.3	454.1	456.5	459.9	465.8	470.5
15°	459.9	459.9	461.1	462.3	464.6	469.4	474.0	477.6	480.0	483.4	486.9
17.5°	482.3	484.5	485.7	488.0	489.3	492.8	495.1	496.3	497.5	498.6	502.2
20°	501.1	501.1	503.4	505.7	508.1	513.9	515.1	515.1	513.9	516.3	518.6
22.5°	501.1	499.9	505.7	513.9	519.8	525.7	529.2	531.5	534.0	532.8	536.2
25°	490.5	491.6	497.5	506.9	519.8	530.4	539.7	545.6	551.5	552.6	557.4
27.5°	505.7	505.7	511.6	519.8	530.4	542.0	553.9	565.6	573.7	582.0	587.9
30°	518.6	520.9	528.0	538.5	546.8	558.6	571.4	585.5	597.2	607.8	616.0
32.5°	542.0	543.3	548.0	555.1	566.7	580.8	596.0	612.6	630.1	643.0	655.9
35°	567.9	564.3	564.3	570.2	579.7	592.5	610.2	631.3	664.2	681.7	699.3
37.5°	587.9	587.9	589.0	592.5	597.2	606.6	623.1	648.8	687.7	727.4	745.1
40°	618.3	618.3	617.1	620.7	625.4	633.7	647.7	672.3	705.2	770.8	816.6
42.5°	640.6	639.5	640.6	645.3	646.5	652.3	666.5	693.4	728.6	789.7	869.5
45°	653.6	653.6	652.3	654.8	658.3	665.4	674.6	701.7	747.4	809.6	891.7
46°	654.8	654.8	653.6	655.9	659.4	665.4	673.5	699.3	749.7	815.5	892.9
47°	653.6	651.2	651.2	652.3	654.8	659.4	667.6	690.0	744.0	806.0	894.2
48°	650.0	648.8	650.0	652.3	652.3	658.3	665.4	686.5	736.9	804.9	909.4
49°	647.7	647.7	648.8	650.0	652.3	655.9	665.4	685.2	726.3	803.7	900.0
50°	643.0	643.0	644.2	646.5	645.3	646.5	655.9	671.1	708.8	794.4	888.2
51°	628.9	627.7	628.9	630.1	630.1	632.5	640.6	655.9	691.2	776.8	864.8
52°	611.4	611.4	612.6	614.8	616.0	618.3	625.4	639.5	672.3	758.0	843.7
53°	585.5	587.9	593.7	593.7	596.0	599.6	607.8	621.9	652.3	726.3	816.6
54°	572.6	574.9	580.8	584.3	586.8	593.7	602.0	613.6	639.5	701.7	807.3
55°	543.3	545.6	550.3	556.2	558.6	565.6	573.7	587.9	614.8	671.1	765.1
56°	520.9	522.2	528.0	531.5	532.8	536.2	543.3	552.6	576.2	621.9	711.1
57°	501.1	498.6	502.2	506.9	508.1	511.6	518.6	525.7	545.6	589.0	667.6
58°	471.7	467.0	471.7	475.2	477.6	481.1	488.0	494.0	511.6	551.5	620.7
59°	448.3	450.6	455.4	458.8	461.1	464.6	468.2	475.2	490.5	522.2	587.9
60°	431.7	432.9	435.3	438.8	441.2	444.8	448.3	454.1	468.2	496.3	555.1
61°	417.7	417.7	421.2	424.8	424.8	428.3	430.6	435.3	448.3	471.7	524.5
62°	405.9	403.7	407.1	411.9	411.9	415.4	416.5	421.2	431.7	451.8	499.9
63°	391.9	393.1	394.3	398.9	398.9	402.5	402.5	408.3	415.4	434.2	477.6
64°	378.9	382.5	381.3	384.8	386.0	387.2	389.5	393.1	400.1	418.9	457.6
65°	374.3	374.3	377.8	378.9	380.2	382.5	384.8	388.3	395.4	410.6	451.8
66°	367.2	367.2	369.7	372.0	372.0	374.3	377.8	381.3	387.2	401.4	438.8
67°	360.2	360.2	361.4	363.7	363.7	364.9	368.5	372.0	378.9	393.1	428.3
68°	353.1	353.1	354.3	355.5	355.5	356.6	360.2	364.9	372.0	384.8	418.9
69°	348.5	343.8	347.4	347.4	347.4	349.7	350.9	355.5	364.9	378.9	409.4
70°	336.8	337.9	339.1	340.3	340.3	339.1	340.3	346.2	354.3	368.5	398.9
72.5°	321.5	322.7	323.9	323.9	322.7	322.7	323.9	327.3	334.3	348.5	376.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
75°	299.2	301.5	301.5	301.5	299.2	299.2	300.3	302.7	307.4	320.3	344.9
77.5°	285.1	284.0	285.1	284.0	282.8	282.8	281.6	282.8	286.3	298.1	320.3
80°	268.8	265.2	266.3	264.0	264.0	262.8	260.5	260.5	264.0	278.0	295.7
82.5°	247.7	246.4	247.7	246.4	244.1	241.7	239.4	240.6	244.1	249.9	268.8
85°	228.8	231.1	230.0	227.6	224.0	221.8	219.5	220.6	221.8	226.5	244.1
87.5°	214.8	213.5	214.8	211.2	208.9	206.5	204.2	202.9	204.2	208.9	218.3
90°	201.8	201.8	200.6	199.4	195.9	194.8	191.2	190.1	190.1	194.8	206.5
92.5°	192.5	191.2	188.9	188.9	184.2	180.6	179.5	178.3	177.1	181.9	192.5
95°	177.1	176.0	176.0	174.8	171.3	169.0	166.6	165.5	166.6	169.0	178.3
97.5°	154.9	158.4	154.9	154.9	151.4	150.2	149.0	146.6	146.6	150.2	157.2
100°	145.4	144.3	143.2	142.0	140.9	139.7	138.5	137.4	137.4	140.9	145.4
102.5°	131.4	127.9	127.9	123.2	123.2	123.2	122.0	122.0	123.2	127.9	130.3
105°	110.3	109.1	109.1	108.0	108.0	106.8	106.8	105.6	108.0	109.1	113.8
107.5°	93.9	93.9	93.9	92.6	92.6	92.6	92.6	92.6	92.6	95.0	98.5
110°	79.8	78.6	79.8	78.6	79.8	78.6	78.6	78.6	80.9	82.1	88.0
112.5°	63.4	64.6	65.7	64.6	64.6	65.7	65.7	65.7	66.8	68.0	70.3
115°	52.8	49.2	49.2	50.5	49.2	50.5	50.5	52.8	52.8	55.2	55.2
117.5°	41.1	41.1	41.1	42.2	42.2	42.2	43.4	44.6	44.6	45.7	46.9
120°	30.5	31.7	29.4	32.9	30.5	31.7	31.7	32.9	36.4	34.0	35.2
122.5°	24.6	24.6	24.6	25.8	25.8	25.8	25.8	26.9	26.9	26.9	28.2
125°	19.9	21.1	22.3	22.3	21.1	22.3	22.3	22.3	23.4	25.8	25.8
127.5°	16.3	15.2	16.3	16.3	17.6	17.6	16.3	16.3	17.6	17.6	18.8
130°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	12.9	12.9	12.9	12.9
132.5°	3.5	4.7	4.7	4.7	4.7	5.9	4.7	5.9	5.9	4.7	5.9
135°	1.2	1.2	1.2	1.2	1.2	2.3	2.3	3.5	2.3	1.2	2.3
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°	1.2	1.2	1.2	0.0	1.2	2.3	1.2	1.2	1.2	0.0	1.2
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°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	418.9	418.9	420.0	418.9	418.9	418.9	420.0	420.0	420.0	421.2	421.2
5°	414.2	417.7	417.7	420.0	421.2	422.5	423.6	422.5	423.6	423.6	424.8
7.5°	427.1	427.1	430.6	430.6	431.7	431.7	432.9	429.5	429.5	428.3	426.0
10°	451.8	454.1	455.4	456.5	455.4	454.1	451.8	451.8	451.8	449.4	448.3
12.5°	472.9	477.6	480.0	482.3	481.1	481.1	478.8	477.6	477.6	477.6	475.2
15°	491.6	495.1	498.6	501.1	501.1	499.9	501.1	497.5	497.5	494.0	490.5
17.5°	506.9	511.6	513.9	517.4	515.1	513.9	512.8	509.2	506.9	503.4	498.6
20°	523.4	526.9	530.4	534.0	532.8	530.4	526.9	523.4	518.6	515.1	508.1
22.5°	540.9	545.6	550.3	552.6	552.6	550.3	545.6	542.0	535.1	529.2	520.9
25°	562.0	567.9	573.7	576.2	577.3	574.9	567.9	563.1	557.4	549.1	540.9
27.5°	593.7	602.0	607.8	610.2	610.2	609.1	603.1	598.5	589.0	582.0	570.2
30°	624.2	638.3	648.8	659.4	654.8	650.0	646.5	639.5	627.7	616.0	600.8
32.5°	673.5	691.2	709.9	718.0	718.0	714.6	706.3	699.3	690.0	672.3	648.8
35°	722.8	745.1	767.4	770.8	769.8	768.6	761.5	761.5	752.2	723.9	696.9
37.5°	770.8	814.3	840.2	848.4	847.2	847.2	836.6	833.1	813.1	782.6	750.9
40°	829.6	890.6	941.1	955.1	951.7	945.7	931.6	924.6	898.8	851.9	807.3
42.5°	901.1	965.7	1039.6	1064.2	1051.4	1040.8	1040.8	1020.8	997.4	948.1	888.2
45°	963.3	1017.3	1126.5	1162.8	1142.8	1121.7	1130.0	1121.7	1093.6	1031.3	966.8
46°	978.6	1044.3	1172.2	1207.4	1182.8	1160.5	1169.9	1158.2	1127.6	1061.9	980.9
47°	1000.9	1068.9	1206.2	1247.3	1220.3	1186.3	1209.7	1194.5	1154.6	1085.3	996.2
48°	1011.4	1088.8	1239.1	1276.6	1266.1	1219.1	1246.1	1220.3	1191.0	1101.8	1009.1
49°	1005.6	1086.5	1241.4	1291.9	1280.2	1248.5	1267.1	1240.2	1187.5	1118.2	1013.7
50°	1000.9	1085.3	1236.8	1297.7	1304.8	1283.7	1283.7	1263.7	1199.1	1104.2	1027.9
51°	977.4	1076.0	1217.9	1281.3	1313.1	1295.4	1311.9	1286.0	1217.9	1103.0	1007.9
52°	943.4	1060.7	1198.0	1267.1	1289.6	1279.0	1309.5	1298.9	1226.2	1103.0	984.5
53°	911.7	1045.4	1161.7	1242.5	1260.2	1241.4	1266.1	1273.1	1189.7	1092.4	948.1
54°	880.0	1000.9	1147.6	1261.4	1247.3	1222.6	1256.7	1255.5	1168.7	1034.8	916.5
55°	836.6	942.2	1090.0	1215.6	1246.1	1223.9	1250.8	1227.4	1115.9	982.0	866.0
56°	786.2	892.9	996.2	1118.2	1172.2	1194.5	1217.9	1186.3	1064.2	939.9	823.7
57°	732.2	819.1	907.0	1011.4	1094.8	1112.3	1128.8	1111.1	992.6	880.0	776.8
58°	680.6	756.8	833.1	929.3	1041.9	1070.2	1070.2	1057.2	929.3	827.2	729.9
59°	645.3	712.3	776.8	867.1	943.4	958.6	968.0	961.0	868.3	775.6	692.2
60°	607.8	666.5	731.0	808.5	863.6	871.9	874.2	857.7	787.4	716.9	641.7
61°	572.6	627.7	680.6	748.6	799.0	809.6	809.6	788.5	729.9	661.8	602.0
62°	545.6	593.7	638.3	695.7	745.1	758.0	752.2	735.7	684.1	620.7	569.1
63°	520.9	565.6	605.5	652.3	692.2	704.0	698.2	686.5	641.7	587.9	542.0
64°	498.6	538.5	574.9	616.0	651.2	661.8	651.2	643.0	605.5	553.9	512.8
65°	488.0	525.7	557.4	592.5	619.5	625.4	618.3	605.5	574.9	532.8	492.8
66°	476.4	510.3	539.7	569.1	590.2	596.0	590.2	577.3	548.0	510.3	474.0
67°	463.4	495.1	523.4	550.3	567.9	571.4	567.9	556.2	526.9	491.6	457.6
68°	452.9	483.4	508.1	532.8	546.8	551.5	550.3	537.4	505.7	474.0	442.3
69°	443.5	471.7	497.5	517.4	531.5	532.8	532.8	520.9	491.6	461.1	430.6
70°	432.9	459.9	482.3	503.4	515.1	517.4	517.4	505.7	480.0	448.3	415.4
72.5°	411.9	435.3	458.8	475.2	486.9	490.5	494.0	482.3	452.9	423.6	393.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
75°	382.5	403.7	426.0	441.2	454.1	457.6	462.3	454.1	424.8	395.4	368.5
77.5°	353.1	374.3	396.6	415.4	429.5	434.2	437.7	429.5	400.1	373.2	343.8
80°	323.9	342.6	367.2	384.8	400.1	403.7	408.3	395.4	373.2	342.6	315.7
82.5°	296.9	314.5	336.8	354.3	369.7	375.5	373.2	363.7	339.1	312.1	288.6
85°	268.8	285.1	305.1	320.3	335.6	339.1	337.9	327.3	306.2	282.8	261.7
87.5°	245.2	260.5	276.9	287.5	301.5	303.9	302.7	292.2	274.5	255.7	237.1
90°	225.3	238.2	253.4	261.7	271.1	278.0	275.7	265.2	248.7	233.5	214.8
92.5°	211.2	220.6	232.3	240.6	246.4	251.1	251.1	241.7	227.6	212.4	198.3
95°	191.2	199.4	210.0	216.0	220.6	226.5	226.5	219.5	207.7	195.9	184.2
97.5°	169.0	174.8	180.6	185.4	188.9	193.7	191.2	187.7	180.6	171.3	163.1
100°	150.2	152.5	156.0	159.6	160.8	164.3	165.5	164.3	159.6	154.9	150.2
102.5°	133.8	136.1	136.1	137.4	137.4	136.1	137.4	136.1	134.9	136.1	131.4
105°	113.8	116.2	113.8	111.5	111.5	112.6	113.8	115.1	115.1	116.2	115.1
107.5°	100.9	100.9	99.7	97.4	97.4	97.4	97.4	97.4	99.7	100.9	99.7
110°	86.9	84.5	84.5	83.4	82.1	82.1	83.4	82.1	83.4	85.7	86.9
112.5°	71.5	70.3	69.2	68.0	65.7	66.8	69.2	69.2	71.5	72.8	72.8
115°	55.2	56.3	57.5	54.0	52.8	52.8	52.8	55.2	56.3	56.3	58.7
117.5°	46.9	48.1	46.9	46.9	45.7	45.7	46.9	46.9	49.2	51.7	51.7
120°	36.4	35.2	35.2	37.5	35.2	36.4	37.5	36.4	36.4	39.9	42.2
122.5°	29.4	30.5	30.5	29.4	30.5	31.7	30.5	31.7	30.5	31.7	32.9
125°	26.9	26.9	26.9	26.9	26.9	28.2	29.4	29.4	28.2	28.2	29.4
127.5°	19.9	21.1	21.1	22.3	22.3	22.3	23.4	23.4	22.3	22.3	22.3
130°	15.2	15.2	16.3	19.9	17.6	17.6	18.8	17.6	18.8	18.8	16.3
132.5°	5.9	7.1	7.1	8.3	9.4	10.6	10.6	10.6	9.4	10.6	9.4
135°	3.5	2.3	3.5	4.7	3.5	5.9	5.9	4.7	5.9	5.9	5.9
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°	2.3	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	2.3	1.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9	418.9
2.5°	421.2	421.2	420.0	421.2	422.5	421.2	421.2	421.2	420.0	421.2	421.2
5°	424.8	424.8	426.0	424.8	426.0	426.0	426.0	424.8	423.6	423.6	421.2
7.5°	424.8	423.6	424.8	424.8	423.6	420.0	416.5	413.0	410.6	409.4	408.3
10°	445.9	442.3	437.7	431.7	426.0	420.0	415.4	409.4	403.7	401.4	396.6
12.5°	468.2	463.4	456.5	452.9	445.9	440.0	431.7	424.8	417.7	408.3	403.7
15°	485.7	482.3	476.4	469.4	458.8	449.4	440.0	431.7	424.8	418.9	413.0
17.5°	497.5	491.6	484.5	474.0	467.0	458.8	450.6	443.5	437.7	430.6	424.8
20°	503.4	496.3	489.3	483.4	476.4	468.2	462.3	454.1	447.1	437.7	431.7
22.5°	515.1	508.1	503.4	492.8	484.5	478.8	472.9	465.8	457.6	447.1	436.5
25°	531.5	523.4	513.9	505.7	499.9	492.8	483.4	470.5	461.1	451.8	444.8
27.5°	559.7	548.0	535.1	526.9	518.6	506.9	496.3	486.9	477.6	468.2	457.6
30°	583.2	564.3	551.5	540.9	525.7	516.3	505.7	495.1	484.5	476.4	469.4
32.5°	626.6	602.0	580.8	565.6	549.1	537.4	526.9	518.6	508.1	498.6	490.5
35°	666.5	638.3	612.6	589.0	573.7	562.0	549.1	537.4	526.9	517.4	510.3
37.5°	708.8	671.1	639.5	617.1	602.0	587.9	574.9	563.1	553.9	545.6	538.5
40°	761.5	712.3	675.9	651.2	632.5	617.1	603.1	590.2	582.0	573.7	567.9
42.5°	833.1	760.3	718.0	691.2	665.4	648.8	633.7	624.2	616.0	606.6	602.0
45°	881.1	804.9	745.1	711.1	690.0	675.9	666.5	655.9	653.6	644.2	636.0
46°	892.9	807.3	752.2	711.1	695.7	682.9	672.3	666.5	661.8	654.8	646.5
47°	891.7	804.9	748.6	711.1	696.9	687.7	679.4	678.2	668.8	661.8	658.3
48°	890.6	816.6	755.7	719.3	707.5	695.7	687.7	682.9	678.2	671.1	664.2
49°	888.2	812.0	756.8	726.3	715.8	702.8	693.4	687.7	681.7	675.9	670.0
50°	889.4	810.8	754.5	732.2	722.8	711.1	699.3	691.2	686.5	680.6	673.5
51°	883.6	802.5	748.6	731.0	723.9	708.8	698.2	692.2	688.8	682.9	677.1
52°	870.6	794.4	742.8	723.9	719.3	704.0	692.2	687.7	684.1	678.2	672.3
53°	836.6	761.5	713.4	700.5	694.6	684.1	680.6	678.2	675.9	672.3	665.4
54°	801.4	734.5	698.2	686.5	681.7	673.5	668.8	672.3	668.8	668.8	661.8
55°	772.0	709.9	680.6	670.0	665.4	658.3	653.6	654.8	654.8	653.6	646.5
56°	745.1	693.4	664.2	652.3	647.7	641.7	639.5	639.5	639.5	637.2	631.3
57°	709.9	666.5	647.7	639.5	634.8	628.9	628.9	627.7	625.4	621.9	619.5
58°	672.3	627.7	610.2	600.8	599.6	594.9	596.0	597.2	597.2	593.7	592.5
59°	634.8	596.0	578.5	572.6	567.9	567.9	569.1	570.2	571.4	571.4	567.9
60°	592.5	557.4	543.3	539.7	538.5	538.5	538.5	542.0	544.5	545.6	545.6
61°	560.9	529.2	515.1	511.6	511.6	511.6	512.8	516.3	517.4	518.6	517.4
62°	531.5	502.2	489.3	488.0	488.0	489.3	489.3	492.8	492.8	494.0	492.8
63°	503.4	477.6	468.2	464.6	467.0	467.0	465.8	469.4	472.9	471.7	469.4
64°	475.2	454.1	444.8	443.5	442.3	443.5	442.3	445.9	447.1	447.1	449.4
65°	461.1	441.2	430.6	428.3	430.6	429.5	432.9	434.2	435.3	436.5	435.3
66°	445.9	427.1	418.9	414.2	415.4	415.4	418.9	420.0	422.5	421.2	424.8
67°	432.9	413.0	404.8	402.5	402.5	402.5	403.7	407.1	408.3	410.6	410.6
68°	418.9	401.4	395.4	393.1	393.1	391.9	393.1	396.6	397.8	400.1	401.4
69°	407.1	390.8	384.8	381.3	383.7	381.3	382.5	388.3	387.2	389.5	396.6
70°	396.6	380.2	375.5	375.5	373.2	374.3	374.3	376.7	377.8	382.5	381.3
72.5°	376.7	362.6	355.5	356.6	356.6	356.6	357.9	360.2	361.4	364.9	367.2



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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
75°	348.5	336.8	333.2	333.2	333.2	335.6	335.6	336.8	342.6	344.9	344.9	0°
77.5°	328.5	316.8	313.3	313.3	315.7	316.8	319.2	321.5	323.9	328.5	329.7	2.5°
80°	301.5	292.2	291.1	292.2	294.6	296.9	299.2	305.1	307.4	308.6	315.7	5°
82.5°	278.0	268.8	268.8	271.1	274.5	276.9	281.6	284.0	286.3	289.8	292.2	7.5°
85°	251.1	244.1	246.4	248.7	254.6	255.7	258.2	262.8	266.3	267.5	271.1	10°
87.5°	227.6	224.0	225.3	228.8	232.3	238.2	240.6	242.9	247.7	249.9	249.9	12.5°
90°	208.9	205.4	208.9	213.5	217.1	219.5	222.9	225.3	228.8	230.0	231.1	15°
92.5°	193.7	191.2	194.8	199.4	202.9	204.2	206.5	212.4	213.5	216.0	216.0	17.5°
95°	179.5	178.3	181.9	185.4	188.9	192.5	194.8	198.3	201.8	202.9	202.9	20°
97.5°	159.6	158.4	162.0	169.0	170.0	171.3	173.6	176.0	180.6	181.9	180.6	22.5°
100°	149.0	147.8	149.0	153.7	154.9	159.6	160.8	164.3	165.5	167.8	166.6	25°
102.5°	129.1	130.3	132.6	132.6	137.4	137.4	140.9	143.2	144.3	147.8	152.5	27.5°
105°	115.1	115.1	116.2	116.2	118.5	119.7	119.7	123.2	125.5	125.5	126.8	30°
107.5°	100.9	100.9	102.0	103.2	104.5	104.5	105.6	108.0	108.0	110.3	110.3	32.5°
110°	86.9	89.2	88.0	88.0	88.0	90.4	91.4	91.4	92.6	93.9	93.9	35°
112.5°	73.9	73.9	73.9	75.1	76.3	76.3	77.4	77.4	78.6	79.8	79.8	37.5°
115°	59.8	59.8	61.1	59.8	58.7	59.8	59.8	61.1	62.3	61.1	68.0	40°
117.5°	52.8	51.7	50.5	51.7	50.5	50.5	50.5	51.7	52.8	52.8	55.2	42.5°
120°	38.8	38.8	38.8	38.8	41.1	38.8	38.8	37.5	39.9	38.8	39.9	45°
122.5°	32.9	31.7	31.7	31.7	31.7	31.7	31.7	32.9	31.7	32.9	31.7	46°
125°	28.2	28.2	30.5	28.2	26.9	28.2	28.2	28.2	28.2	29.4	34.0	47°
127.5°	22.3	23.4	22.3	22.3	22.3	23.4	22.3	22.3	23.4	24.6	23.4	48°
130°	18.8	16.3	17.6	17.6	17.6	17.6	17.6	17.6	18.8	21.1	19.9	49°
132.5°	9.4	9.4	9.4	10.6	11.8	11.8	10.6	11.8	11.8	12.9	11.8	50°
135°	7.1	8.3	5.9	5.9	8.3	7.1	9.4	8.3	8.3	8.3	7.1	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°	2.3	2.3	1.2	1.2	1.2	2.3	1.2	2.3	1.2	2.3	2.3	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°
418.9	418.9	418.9	418.9
421.2	418.9	420.0	420.0
421.2	421.2	421.2	418.9
405.9	407.1	405.9	405.9
394.3	391.9	390.8	389.5
401.4	400.1	398.9	398.9
409.4	407.1	405.9	405.9
418.9	416.5	413.0	417.7
427.1	423.6	420.0	420.0
429.5	426.0	422.5	421.2
435.3	429.5	426.0	426.0
450.6	444.8	442.3	441.2
461.1	456.5	450.6	449.4
483.4	478.8	476.4	474.0
505.7	501.1	498.6	496.3
535.1	528.0	524.5	523.4
563.1	557.4	553.9	557.4
596.0	590.2	587.9	585.5
631.3	624.2	617.1	617.1
640.6	634.8	631.3	630.1
650.0	644.2	637.2	634.8
660.6	652.3	646.5	646.5
662.9	657.1	651.2	648.8
667.6	662.9	655.9	654.8
670.0	662.9	655.9	654.8
666.5	660.6	654.8	653.6
661.8	654.8	647.7	652.3
655.9	650.0	644.2	643.0
643.0	637.2	631.3	631.3
627.7	623.1	617.1	614.8
616.0	606.6	598.5	599.6
586.8	582.0	576.2	574.9
563.1	562.0	558.6	557.4
543.3	539.7	537.4	536.2
513.9	513.9	509.2	508.1
491.6	489.3	486.9	486.9
471.7	469.4	468.2	469.4
449.4	450.6	447.1	449.4
437.7	438.8	437.7	435.3
424.8	426.0	423.6	424.8
414.2	414.2	413.0	411.9
404.8	404.8	402.5	402.5
393.1	395.4	394.3	393.1
386.0	386.0	387.2	383.7
368.5	370.8	370.8	370.8

CANDELA DISTRIBUTION:

	165°
75°	347.4
77.5°	332.0
80°	313.3
82.5°	293.4
85°	272.3
87.5°	249.9
90°	233.5
92.5°	216.0
95°	205.4
97.5°	183.1
100°	169.0
102.5°	147.8
105°	126.8
107.5°	110.3
110°	93.9
112.5°	80.9
115°	63.4
117.5°	54.0
120°	41.1
122.5°	34.0
125°	30.5
127.5°	23.4
130°	18.8
132.5°	11.8
135°	9.4
137.5°	0.0
140°	2.3
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)