

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: P149056

Luminaire Tested: **TMU-F01-LED-E-U-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149056
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-F01-LED-E-U-RW-7050
Description: TALON MEDIUM LED AREA LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2646.2 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B1 - U0 - G1

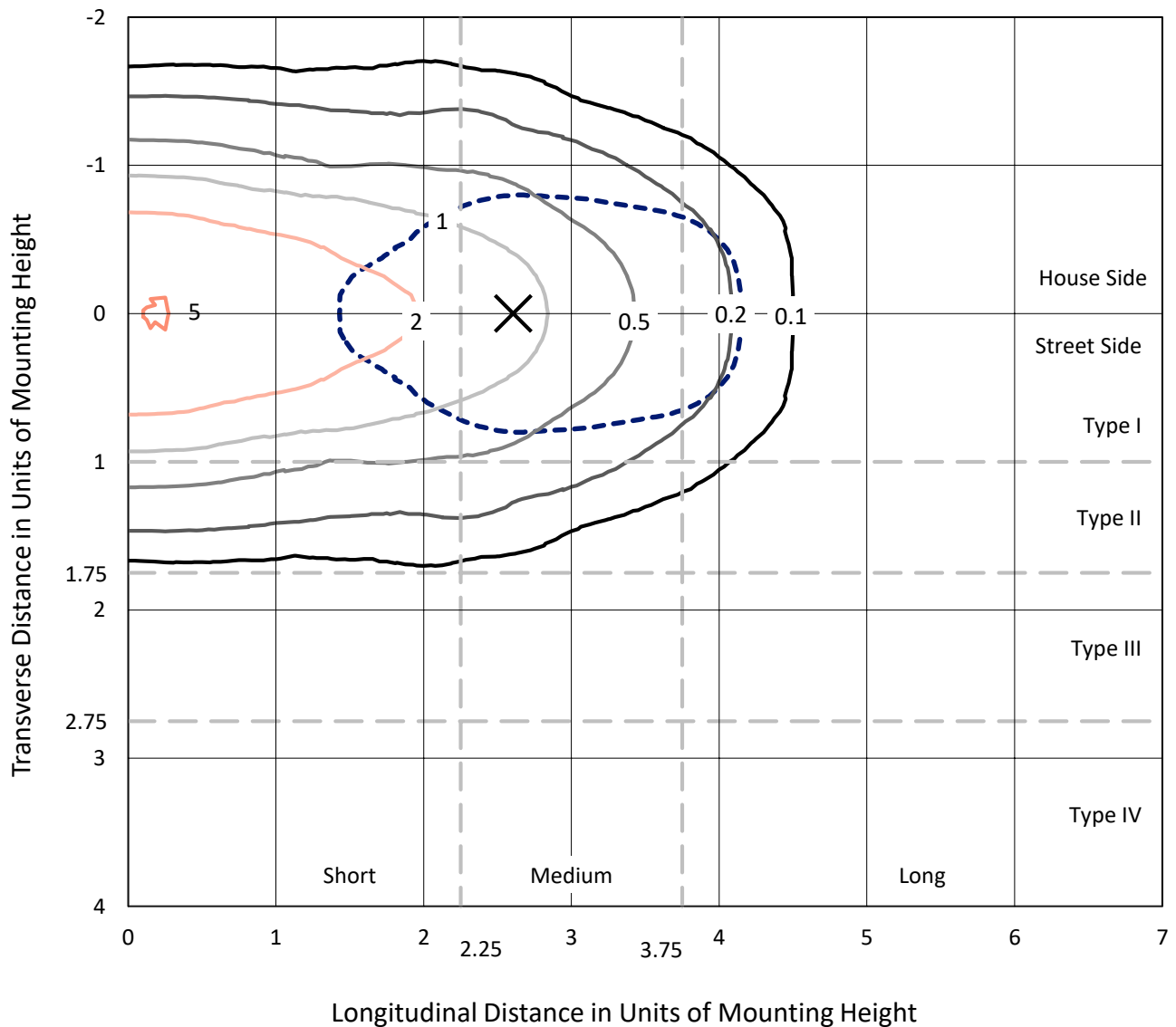
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

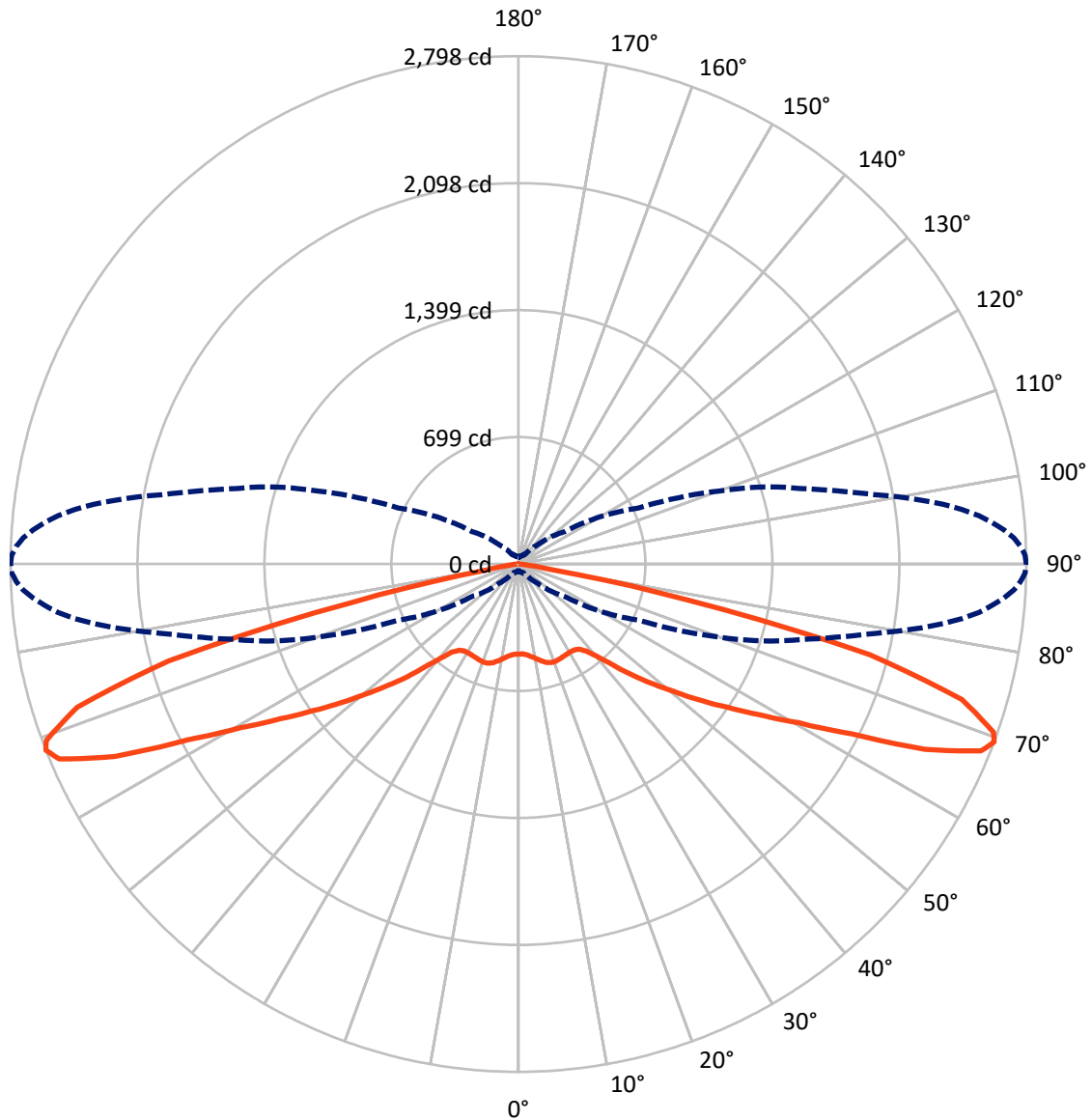


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1323.1	0.0	1323.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1323.1	0.0	1323.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2646.2	0.0	2646.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	1.8
10°-20°	153.4	5.8
20°-30°	248.6	9.4
30°-40°	309.8	11.7
40°-50°	387.1	14.6
50°-60°	478.0	18.1
60°-70°	593.9	22.4
70°-80°	394.3	14.9
80°-90°	32.6	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
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°	2646.2	100.0
0°-180°	2646.2	100.0



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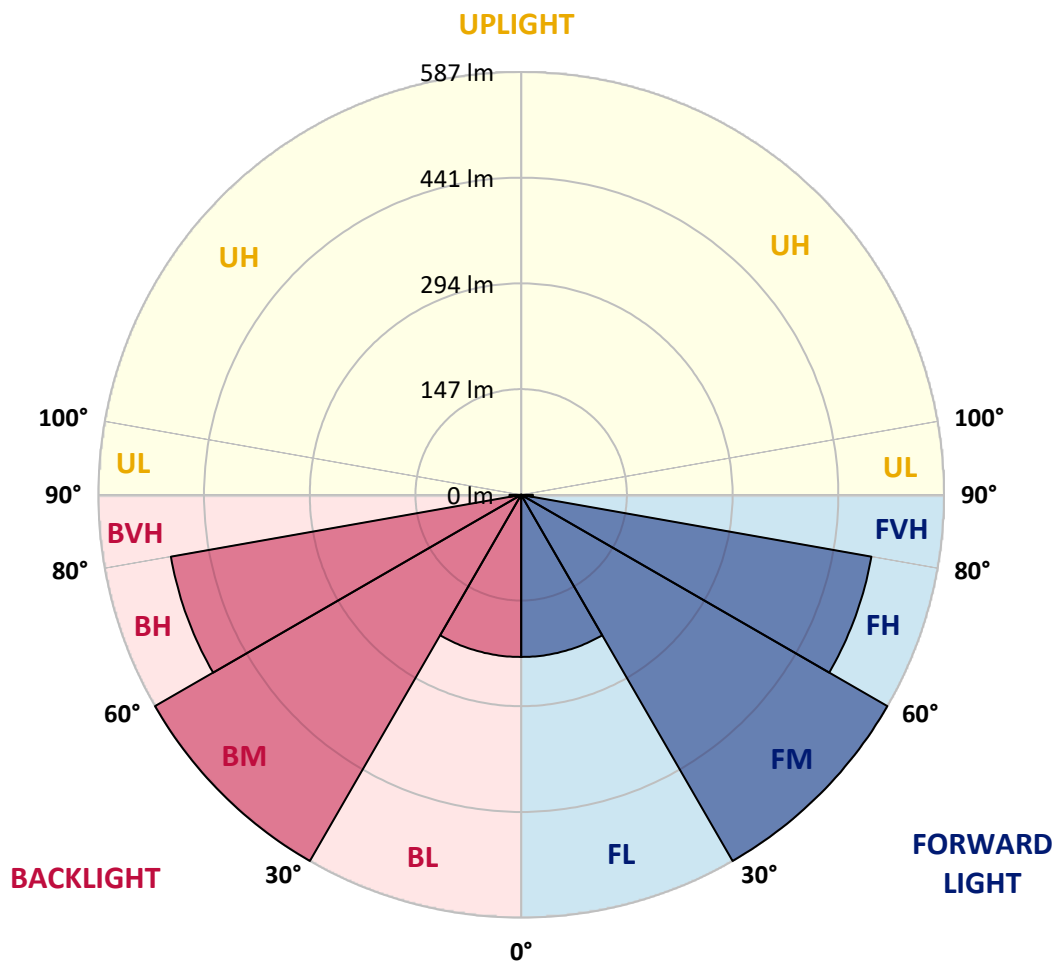
CATALOG NUMBER: TMU-F01-LED-E-U-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	225.3	8.5			
FM	(30°-60°)	587.4	22.2			
FH	(60°-80°)	494.1	18.7			G0/660
FVH	(80°-90°)	16.3	0.6			G1/100
BL	(0°-30°)	225.3	8.5	B1/500		
BM	(30°-60°)	587.4	22.2	B1/1000		
BH	(60°-80°)	494.1	18.7	B1/500		G0/660
BVH	(80°-90°)	16.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	498.0	498.5	498.2	498.8	498.6	498.6	498.4	497.8	497.7	497.6	497.6
5°	502.9	502.3	503.2	504.0	503.8	503.9	503.7	503.7	503.6	503.6	503.5
7.5°	508.0	507.8	508.4	510.6	511.0	511.8	512.8	513.5	513.5	513.5	513.6
10°	512.3	512.4	513.9	517.2	518.8	521.5	524.2	526.4	526.5	526.7	526.8
12.5°	515.8	516.0	518.2	523.2	527.3	532.4	538.2	541.4	541.7	542.0	542.3
15°	516.2	516.6	520.2	528.6	536.8	545.0	552.0	556.4	556.6	556.8	557.1
17.5°	512.5	512.8	519.0	531.2	545.0	558.0	565.2	567.1	567.2	567.3	567.4
20°	502.8	503.6	512.3	530.6	551.4	568.4	575.8	573.2	572.9	572.7	572.4
22.5°	487.4	487.2	498.6	523.2	552.8	576.6	583.2	576.2	575.3	574.5	573.6
25°	462.2	463.9	477.3	506.7	545.5	578.4	588.4	577.7	576.5	575.3	574.1
27.5°	435.0	436.0	450.2	481.7	528.7	572.0	591.0	580.8	579.5	578.1	576.8
30°	403.2	404.5	419.7	452.6	501.8	555.7	590.3	587.8	586.3	584.7	583.2
32.5°	372.2	373.5	387.2	423.2	473.4	533.2	586.0	597.9	596.3	594.7	593.1
35°	340.0	342.0	358.7	395.2	446.0	508.2	579.6	610.8	609.9	609.0	608.1
37.5°	313.2	313.7	329.8	368.0	420.6	484.4	570.9	627.0	627.6	628.2	628.9
40°	283.5	286.2	302.2	342.6	397.6	464.2	562.7	649.0	652.4	655.8	659.1
42.5°	256.8	257.1	273.4	315.1	372.6	448.0	558.2	675.6	682.8	690.0	697.2
45°	228.7	229.8	244.6	284.9	343.8	428.8	558.0	706.2	717.7	729.2	740.7
47.5°	202.1	202.6	218.3	255.6	310.8	402.0	557.1	739.1	754.7	770.4	786.1
50°	176.8	176.4	191.8	227.7	278.1	366.8	548.5	776.3	796.1	815.9	835.7
52.5°	147.7	149.6	165.6	200.0	248.5	331.1	523.4	817.2	840.8	864.5	888.2
55°	119.2	120.0	137.1	169.3	218.4	297.8	479.6	854.7	882.6	910.6	938.5
57.5°	87.8	90.4	105.3	137.1	187.9	269.6	424.0	874.2	908.2	942.2	976.2
60°	62.0	64.0	77.2	103.9	154.4	240.2	376.1	863.4	907.5	951.6	995.8
62.5°	48.3	49.8	60.4	77.8	120.4	210.6	341.8	828.2	888.2	948.3	1008.4
65°	42.4	43.8	53.4	62.3	90.0	180.6	323.0	791.0	870.5	949.9	1029.3
67.5°	38.2	40.0	48.3	54.5	73.2	157.6	318.1	767.6	857.6	947.5	1037.5
69°	36.4	38.1	45.6	50.8	68.0	149.4	309.6	730.8	820.2	909.6	999.1
70°	35.3	36.7	43.6	49.0	66.4	143.8	295.4	684.8	772.6	860.4	948.2
72.5°	32.8	33.4	39.6	44.8	61.6	116.2	227.3	508.5	584.6	660.8	736.9
75°	28.9	29.8	35.4	40.6	48.0	72.2	143.8	314.6	371.4	428.2	485.1
77.5°	25.0	25.7	30.6	38.7	37.3	45.0	86.0	175.1	208.1	241.0	274.0
80°	20.0	20.9	25.3	38.4	30.8	35.0	61.8	122.4	131.3	140.2	149.1
82.5°	14.7	15.4	19.8	31.0	23.6	26.4	47.2	103.8	106.8	109.9	113.0
85°	7.5	7.6	12.6	19.0	15.0	13.7	26.5	71.0	73.0	74.9	76.9
87.5°	1.2	1.2	2.8	3.2	3.7	2.2	3.4	12.2	12.5	12.9	13.3
90°	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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	497.5	497.4	497.2	497.3	497.5	497.4	497.6	497.6	497.7	497.2	497.1
5°	503.5	503.4	503.4	503.4	503.5	503.5	503.6	503.8	503.8	503.4	503.4
7.5°	513.6	513.6	513.7	513.6	513.9	513.8	513.4	513.9	514.2	514.3	514.6
10°	527.0	527.1	527.6	527.5	528.0	527.9	528.0	528.5	528.8	528.9	529.2
12.5°	542.5	542.8	543.1	543.3	543.9	543.5	544.2	544.5	545.0	545.8	545.4
15°	557.3	557.5	558.3	558.3	558.8	559.0	559.7	559.9	560.0	560.7	560.8
17.5°	567.4	567.5	567.8	567.7	568.1	568.0	568.4	568.6	569.0	569.4	570.0
20°	572.1	571.8	571.7	571.5	571.2	570.8	570.9	571.1	571.2	571.5	572.0
22.5°	572.8	572.0	571.1	570.5	569.7	569.0	568.2	568.3	568.4	568.2	568.6
25°	572.9	571.7	570.4	568.8	567.5	565.9	564.6	564.5	564.1	564.1	564.3
27.5°	575.5	574.1	572.3	570.3	567.8	565.6	563.4	562.7	562.0	561.4	561.3
30°	581.6	580.0	577.8	575.4	572.6	569.2	566.1	565.2	564.1	563.1	562.3
32.5°	591.5	589.8	587.4	584.8	581.1	577.8	574.7	573.2	571.6	569.9	568.4
35°	607.2	606.3	604.1	601.9	599.2	596.6	593.8	592.0	589.4	588.1	586.2
37.5°	629.6	630.2	630.2	630.5	629.7	628.4	626.4	624.6	623.7	620.2	617.9
40°	662.5	665.9	669.0	671.3	673.4	675.5	677.4	676.3	676.6	675.7	674.4
42.5°	704.4	711.6	718.2	724.8	729.6	737.0	742.2	743.8	748.0	749.7	752.7
45°	752.3	763.8	774.8	785.0	794.6	805.2	815.6	823.3	831.7	841.2	850.8
47.5°	801.8	817.5	833.8	847.1	860.9	876.6	890.4	902.0	917.1	931.2	946.6
50°	855.6	875.4	893.9	910.4	928.1	946.2	965.1	982.2	1002.6	1025.1	1049.3
52.5°	911.9	935.6	957.1	977.7	998.5	1019.3	1039.4	1063.4	1088.7	1118.2	1148.6
55°	966.4	994.3	1018.7	1041.6	1065.4	1088.7	1109.4	1141.6	1172.6	1207.9	1247.5
57.5°	1010.1	1044.1	1072.2	1099.5	1126.3	1151.0	1176.4	1212.8	1252.2	1293.5	1343.7
60°	1039.9	1084.1	1120.0	1152.8	1185.7	1216.8	1246.0	1293.5	1340.5	1391.7	1454.2
62.5°	1068.5	1128.6	1175.4	1220.1	1264.5	1304.4	1340.8	1400.6	1461.8	1525.2	1599.6
65°	1108.7	1188.2	1257.1	1319.4	1380.9	1439.5	1494.0	1569.7	1647.0	1730.5	1819.2
67.5°	1127.4	1217.4	1307.2	1391.2	1469.3	1543.5	1613.4	1704.9	1796.0	1892.7	1999.9
69°	1088.5	1177.9	1273.9	1365.7	1451.9	1530.7	1606.4	1699.8	1794.5	1893.3	2001.4
70°	1036.1	1123.9	1220.7	1316.7	1399.2	1481.2	1559.6	1652.3	1748.2	1847.3	1960.5
72.5°	813.1	889.2	983.7	1076.8	1159.5	1241.9	1318.0	1412.9	1509.5	1613.5	1720.7
75°	541.9	598.7	669.1	755.5	831.3	904.1	978.0	1058.2	1152.4	1238.2	1336.2
77.5°	306.9	339.9	380.8	436.9	491.4	535.0	587.6	625.3	680.0	727.2	777.1
80°	158.0	166.9	179.1	192.5	200.2	199.0	206.8	199.1	200.8	194.5	187.7
82.5°	116.1	119.2	124.7	127.4	127.1	118.3	108.8	95.8	84.2	72.1	61.0
85°	78.9	80.8	82.3	84.4	83.7	79.9	71.4	60.1	49.0	39.3	31.4
87.5°	13.7	14.0	14.0	15.1	15.2	14.0	11.5	9.9	8.3	6.2	4.4
90°	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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	497.0	497.0	497.2	497.0	497.0	497.0	496.8	497.1	497.0	496.6	496.1
5°	503.4	503.0	502.8	503.2	503.4	502.9	503.3	503.8	503.0	503.2	502.9
7.5°	514.3	514.2	514.0	514.3	514.3	514.2	514.4	513.9	513.6	514.0	514.5
10°	528.8	528.7	529.0	529.0	529.6	529.2	529.2	529.6	529.3	529.0	529.1
12.5°	546.0	545.5	546.2	546.2	546.7	546.7	546.6	546.6	546.6	546.0	545.8
15°	561.2	560.6	560.8	561.9	561.8	562.0	562.0	561.8	561.6	561.5	561.6
17.5°	570.4	570.0	570.0	570.7	571.0	571.0	570.9	571.0	570.8	570.9	571.2
20°	572.0	572.0	572.2	572.8	573.5	573.0	573.0	573.3	573.0	573.3	573.5
22.5°	568.8	569.0	569.3	570.0	570.2	570.2	570.2	570.3	570.7	570.6	570.9
25°	564.3	564.6	565.0	565.6	566.2	566.2	566.1	566.4	566.4	566.6	566.7
27.5°	560.9	561.2	561.6	562.2	562.8	562.8	562.9	563.2	563.2	563.3	563.6
30°	561.4	560.8	561.2	561.4	561.9	561.9	561.8	561.9	562.0	562.0	562.2
32.5°	567.4	566.2	565.7	565.6	565.7	565.3	565.1	564.9	564.6	564.6	564.4
35°	583.5	581.6	581.4	580.2	579.2	578.0	578.2	577.3	577.6	576.8	576.3
37.5°	616.6	614.2	615.7	613.2	611.8	610.6	609.4	607.6	606.6	608.0	607.9
40°	675.7	674.2	673.7	674.2	672.7	673.4	670.3	669.4	667.7	668.9	670.6
42.5°	757.4	756.4	761.8	762.8	763.3	764.2	764.8	760.1	759.9	759.0	756.2
45°	858.4	864.3	864.0	870.5	870.8	868.8	869.6	867.6	866.7	863.6	867.4
47.5°	962.1	973.4	977.6	979.1	984.4	985.8	980.6	979.0	981.9	976.8	977.5
50°	1073.6	1085.6	1095.6	1102.2	1106.0	1106.3	1102.4	1101.6	1104.3	1094.7	1099.2
52.5°	1183.1	1201.4	1220.1	1230.0	1237.0	1237.6	1240.6	1237.0	1238.4	1236.2	1240.7
55°	1291.1	1322.8	1344.8	1364.1	1376.4	1386.9	1388.0	1391.8	1392.1	1396.7	1392.0
57.5°	1396.6	1431.2	1469.4	1503.7	1522.8	1534.8	1546.0	1561.4	1564.8	1563.0	1566.0
60°	1521.4	1574.9	1626.6	1666.2	1699.1	1730.6	1747.5	1771.7	1775.4	1785.9	1776.9
62.5°	1678.9	1756.6	1826.8	1880.1	1930.1	1979.0	2016.0	2034.7	2046.0	2067.9	2060.7
65°	1920.6	2013.8	2106.8	2183.0	2253.0	2311.4	2367.6	2394.4	2424.0	2455.1	2460.8
67.5°	2119.6	2235.0	2339.9	2432.8	2517.6	2582.4	2640.9	2687.4	2723.5	2746.4	2748.2
69°	2128.7	2248.6	2362.4	2462.2	2550.7	2619.6	2681.1	2732.9	2768.0	2791.4	2797.6
70°	2085.5	2208.2	2329.6	2430.2	2520.9	2591.4	2656.6	2705.9	2745.1	2768.9	2777.3
72.5°	1842.6	1973.5	2103.3	2191.5	2284.1	2368.0	2420.2	2470.5	2525.9	2533.0	2555.9
75°	1452.4	1562.6	1663.2	1730.8	1808.1	1883.3	1934.6	1947.8	1976.8	2013.2	2000.2
77.5°	841.7	875.6	940.6	957.1	943.1	975.9	986.7	963.6	962.4	983.7	941.4
80°	186.5	175.9	189.2	179.3	179.6	179.9	176.9	175.8	177.9	175.8	172.8
82.5°	51.7	50.0	50.2	49.7	50.7	50.0	49.6	50.6	50.6	50.4	51.4
85°	24.8	24.6	24.2	24.0	23.4	22.8	21.6	21.6	22.2	21.3	21.7
87.5°	3.2	3.2	3.1	3.7	3.2	2.6	2.6	2.6	2.6	2.6	2.5
90°	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)