

Report No.: MSL-95

Test Time: 2019-04-05 09:57

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Perfil STPL017-R 62.5CM 20W

Luminous Length (mm): 625

Luminous Width (mm): 33

Luminous Height (mm): 0

Voltage: 119.9 V

Current: 0.169 A

Power: 20.04 W

Power Factor: 0.986

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1148.3 lm

Measurement Flux: 1148.3 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.6, 159.2, 158.3, 158.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 103.4, 107.5, 105.1, 105.2

Luminaire Efficacy Rating (LER): 57.35

Central Intensity: 437.5 cd

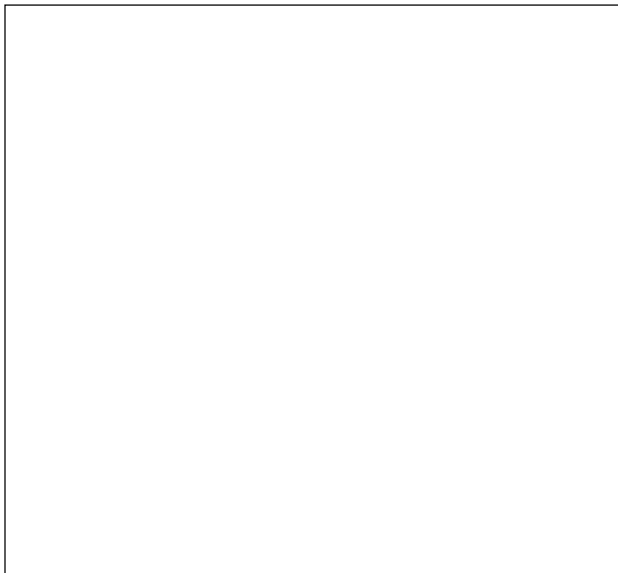
Max. Intensity: 437.89 cd

Pos of Max. Intensity: H70 V0

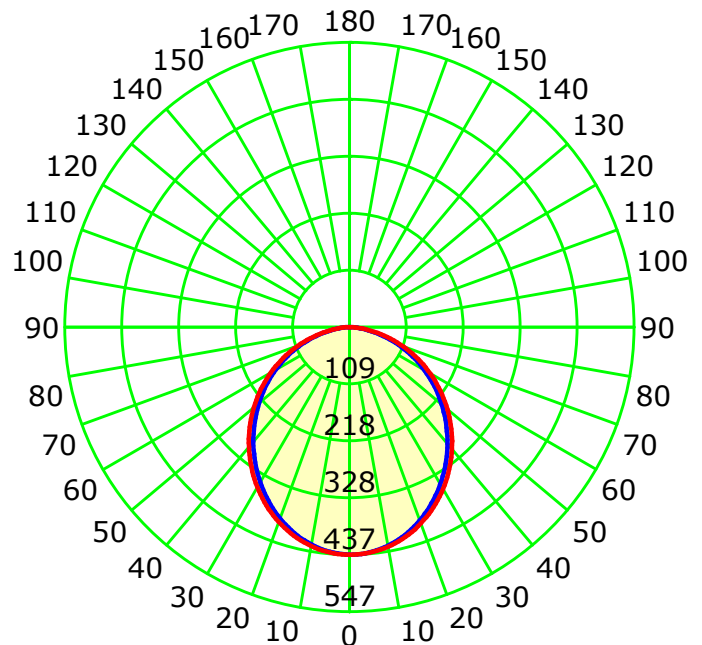
S/MH(C0/C180): 1.18

S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 10.0

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND

Test Device: LSG-1700B

Test Type: TYPE C

Distance: 11.700 m — C90-C270

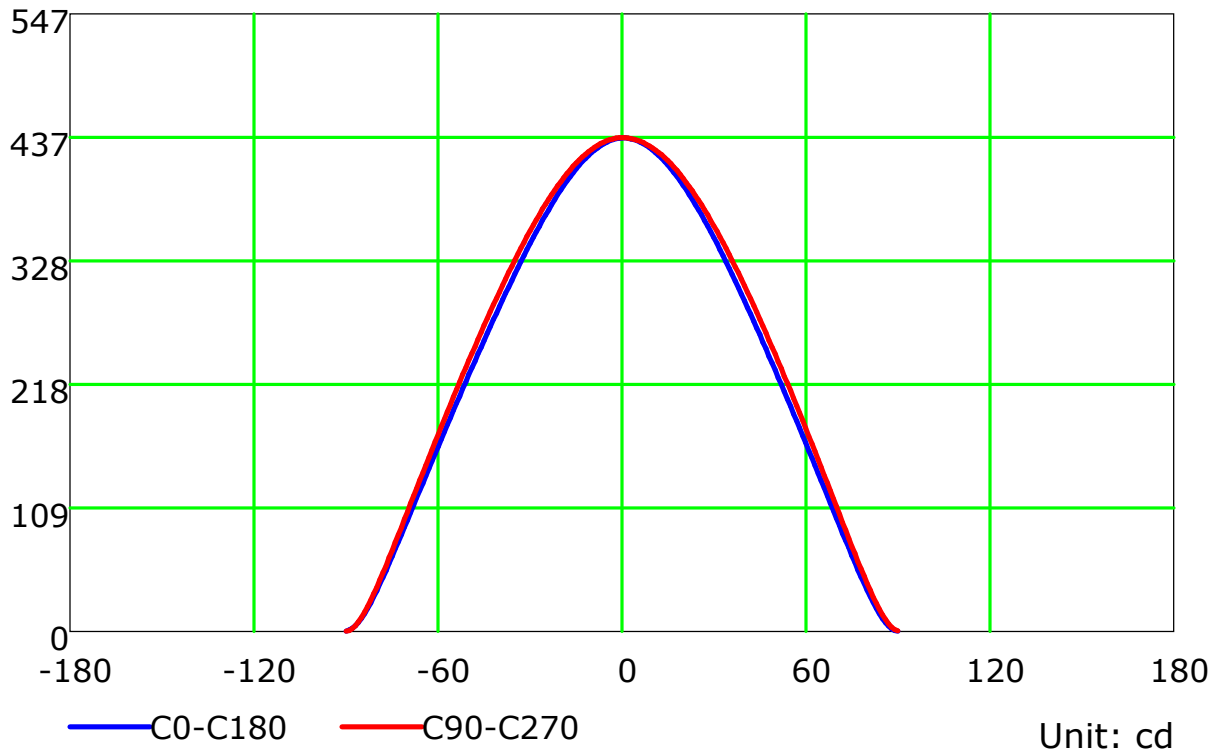
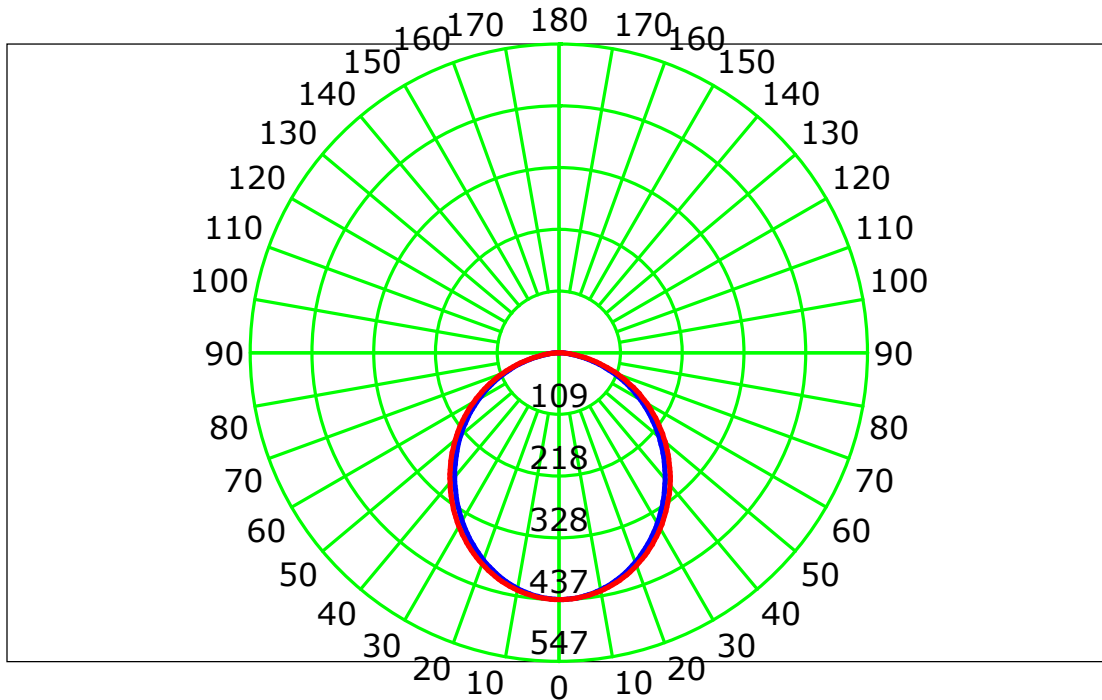
Temperature: 25.5

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

Luminous Intensity Distribution Curve

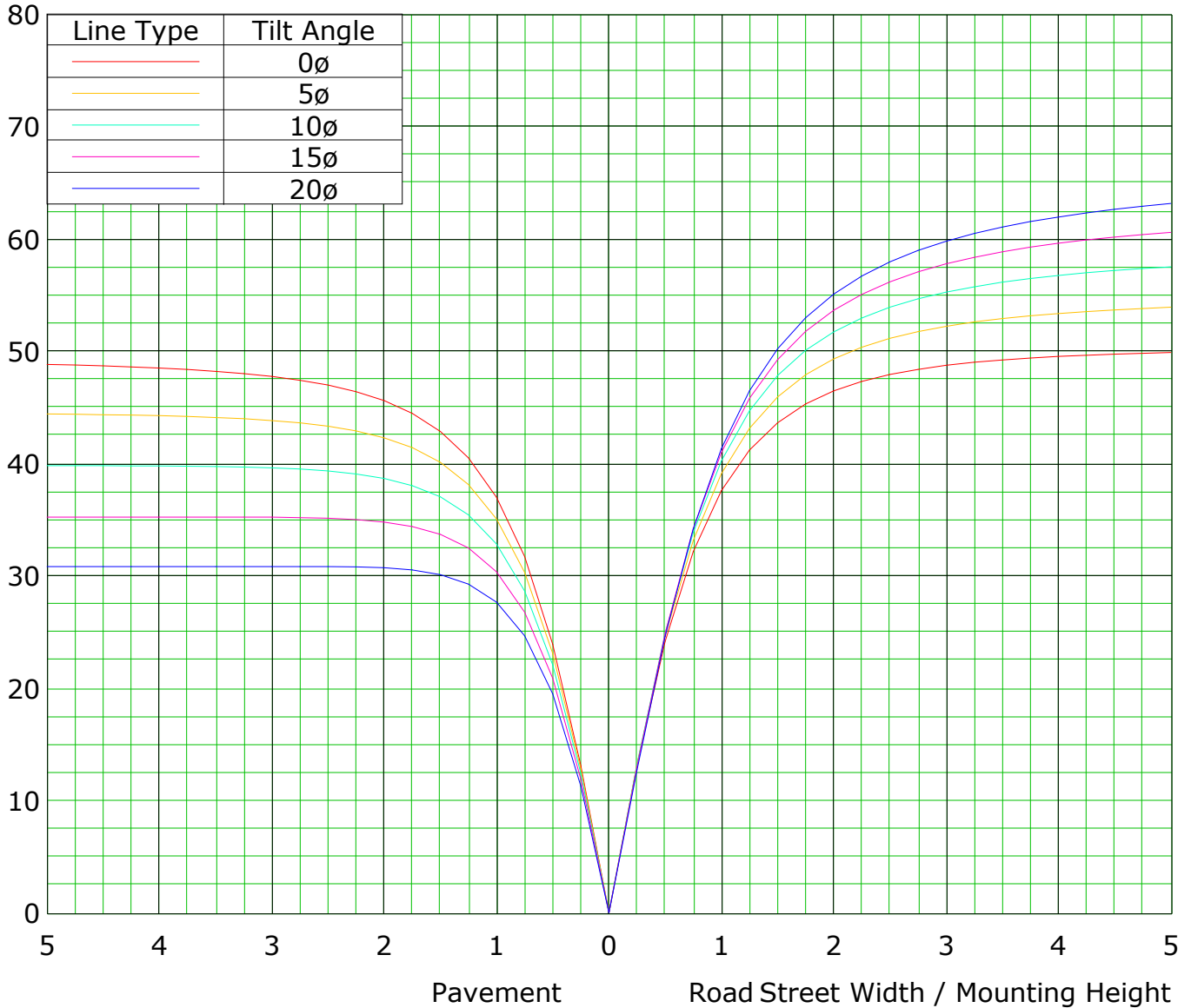


C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.5
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Roadway CU Curve

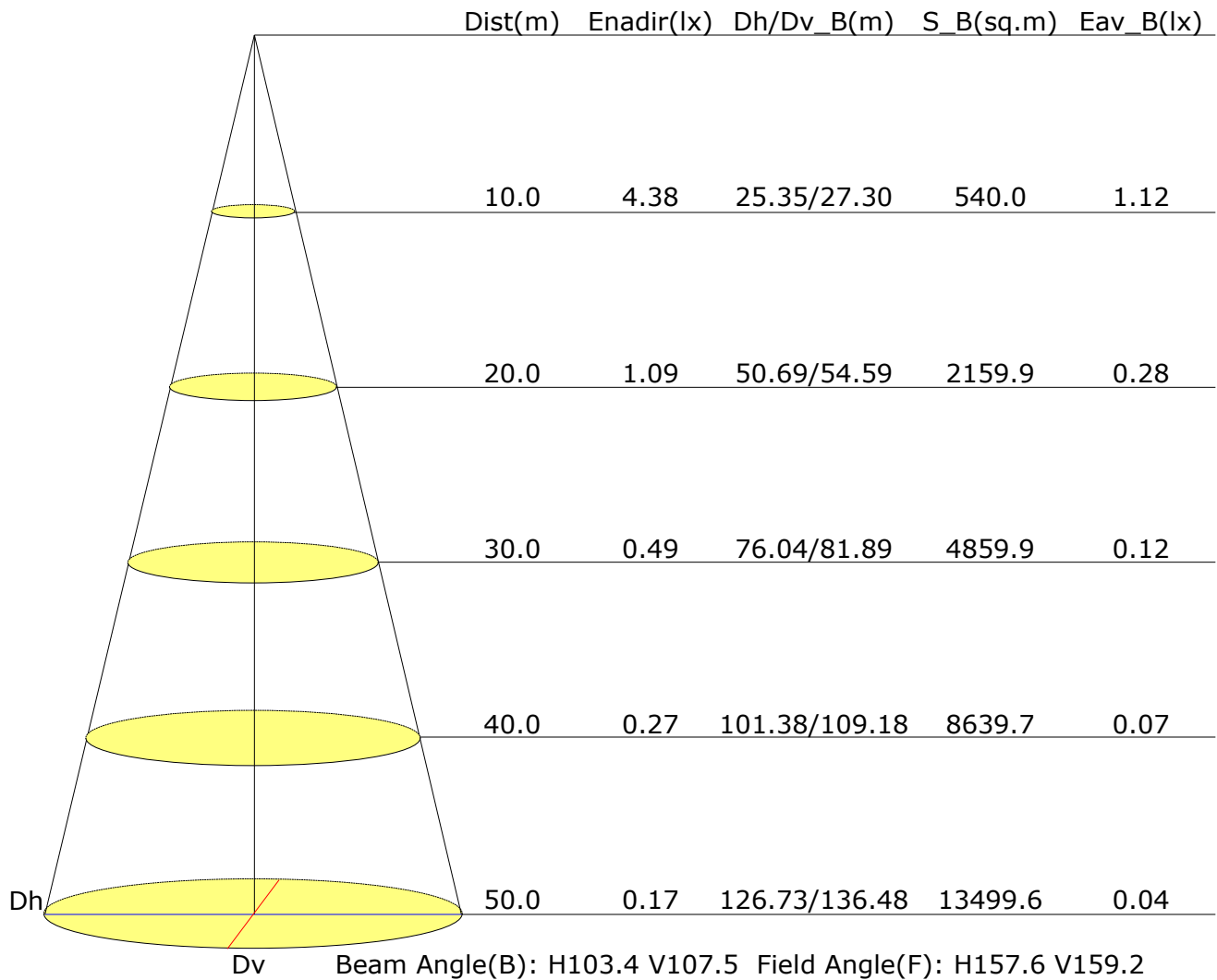
Efficiency(%)



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.5
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Illuminance at a Distance



Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	437.6	0.4	0.4	0.04	0.04
1.0-2.0	437.3	1.3	1.7	0.11	0.15
2.0-3.0	436.8	2.1	3.8	0.18	0.33
3.0-4.0	436.1	2.9	6.7	0.25	0.58
4.0-5.0	435.3	3.7	10.4	0.33	0.91
5.0-6.0	434.2	4.6	15.0	0.40	1.31
6.0-7.0	432.9	5.4	20.4	0.47	1.77
7.0-8.0	431.3	6.2	26.5	0.54	2.31
8.0-9.0	429.6	7.0	33.5	0.61	2.92
9.0-10.0	427.8	7.7	41.2	0.67	3.59
10.0-11.0	425.6	8.5	49.8	0.74	4.33
11.0-12.0	423.3	9.3	59.0	0.81	5.14
12.0-13.0	420.9	10.0	69.0	0.87	6.01
13.0-14.0	418.2	10.7	79.7	0.93	6.94
14.0-15.0	415.4	11.4	91.1	0.99	7.93
15.0-16.0	412.3	12.1	103.2	1.05	8.99
16.0-17.0	409.1	12.7	115.9	1.11	10.10
17.0-18.0	405.8	13.4	129.3	1.17	11.26
18.0-19.0	402.3	14.0	143.3	1.22	12.48
19.0-20.0	398.5	14.6	157.9	1.27	13.75
20.0-21.0	394.8	15.2	173.1	1.32	15.07
21.0-22.0	390.7	15.7	188.8	1.37	16.44
22.0-23.0	386.6	16.2	205.0	1.41	17.85
23.0-24.0	382.3	16.7	221.7	1.46	19.31
24.0-25.0	377.9	17.2	238.9	1.50	20.80
25.0-26.0	373.4	17.6	256.5	1.54	22.34
26.0-27.0	368.8	18.0	274.6	1.57	23.91
27.0-28.0	363.9	18.4	293.0	1.60	25.52
28.0-29.0	359.2	18.8	311.8	1.64	27.15
29.0-30.0	354.2	19.1	330.9	1.67	28.82
30.0-31.0	349.1	19.4	350.3	1.69	30.51
31.0-32.0	343.9	19.7	370.0	1.72	32.23
32.0-33.0	338.5	19.9	390.0	1.74	33.96
33.0-34.0	333.4	20.2	410.2	1.76	35.72
34.0-35.0	327.9	20.4	430.5	1.77	37.49
35.0-36.0	322.3	20.5	451.1	1.79	39.28

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 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	316.8	20.7	471.7	1.80	41.08
37.0-38.0	311.0	20.8	492.5	1.81	42.89
38.0-39.0	305.4	20.8	513.3	1.82	44.71
39.0-40.0	299.6	20.9	534.2	1.82	46.52
40.0-41.0	293.7	20.9	555.1	1.82	48.35
41.0-42.0	287.9	20.9	576.1	1.82	50.17
42.0-43.0	281.9	20.9	597.0	1.82	51.99
43.0-44.0	275.8	20.8	617.8	1.81	53.80
44.0-45.0	269.8	20.7	638.5	1.81	55.61
45.0-46.0	263.6	20.6	659.1	1.80	57.40
46.0-47.0	257.5	20.5	679.6	1.78	59.19
47.0-48.0	251.3	20.3	699.9	1.77	60.96
48.0-49.0	245.0	20.1	720.1	1.75	62.71
49.0-50.0	238.9	19.9	740.0	1.73	64.44
50.0-51.0	232.5	19.7	759.6	1.71	66.16
51.0-52.0	226.1	19.4	779.1	1.69	67.85
52.0-53.0	219.8	19.1	798.2	1.67	69.51
53.0-54.0	213.3	18.8	817.0	1.64	71.15
54.0-55.0	206.9	18.5	835.5	1.61	72.76
55.0-56.0	200.3	18.1	853.6	1.58	74.33
56.0-57.0	193.8	17.7	871.3	1.54	75.88
57.0-58.0	187.5	17.3	888.6	1.51	77.39
58.0-59.0	180.8	16.9	905.5	1.47	78.86
59.0-60.0	174.1	16.5	922.0	1.43	80.29
60.0-61.0	167.5	16.0	938.0	1.39	81.68
61.0-62.0	160.7	15.5	953.4	1.35	83.03
62.0-63.0	154.2	15.0	968.4	1.31	84.34
63.0-64.0	147.4	14.5	982.9	1.26	85.60
64.0-65.0	140.7	13.9	996.8	1.21	86.81
65.0-66.0	134.1	13.4	1010.2	1.17	87.98
66.0-67.0	127.2	12.8	1023.0	1.11	89.09
67.0-68.0	120.5	12.2	1035.2	1.06	90.15
68.0-69.0	113.7	11.6	1046.8	1.01	91.16
69.0-70.0	106.8	11.0	1057.8	0.96	92.12
70.0-71.0	100.2	10.4	1068.2	0.90	93.02
71.0-72.0	93.4	9.7	1077.9	0.85	93.87

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