

Report No.: MSL-202

Test Time: 2019-09-11 12:31

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Mini Square Stil Led 40W 1.25M

Luminous Length (mm): 1243

Luminous Width (mm): 38

Voltage: 120.0 V

Current: 0.340 A

Power: 40.61 W

Power Factor: 0.993

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2687.8 lm

Measurement Flux: 2687.8 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 158.5, 159.7, 159.1, 159.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 107.8, 110.7, 109.1, 109.2

Luminaire Efficacy Rating (LER): 66.24

Central Intensity: 980.14 cd

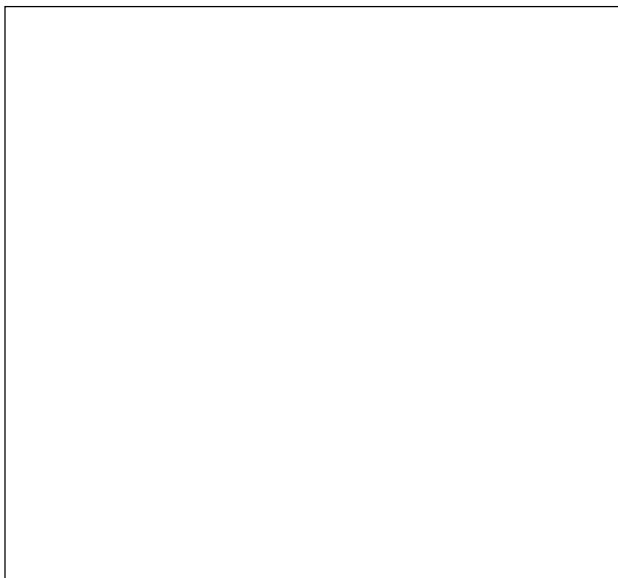
Max. Intensity: 983.14 cd

Pos of Max. Intensity: H40 V1

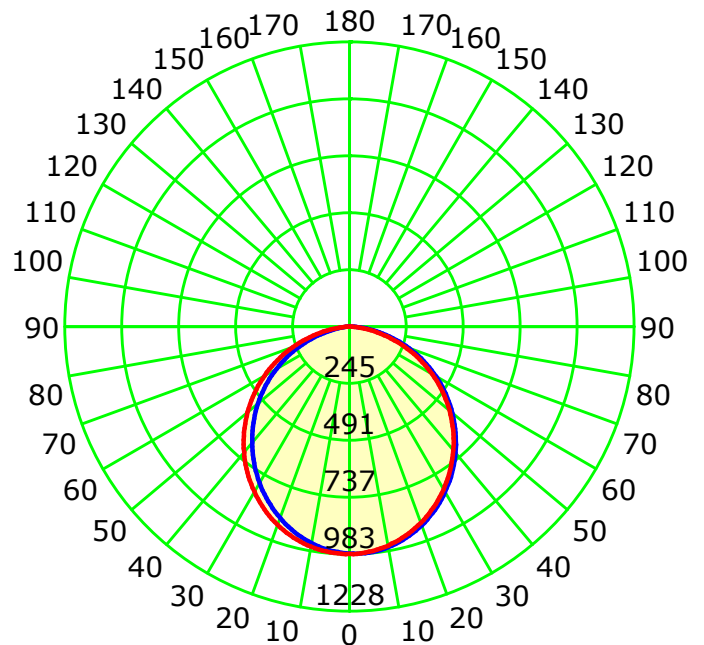
S/MH(C0/C180): 1.22

S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 10.0

Test Lab: LABORATORIO STAND

Test Type: TYPE C

Temperature: 25

Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0

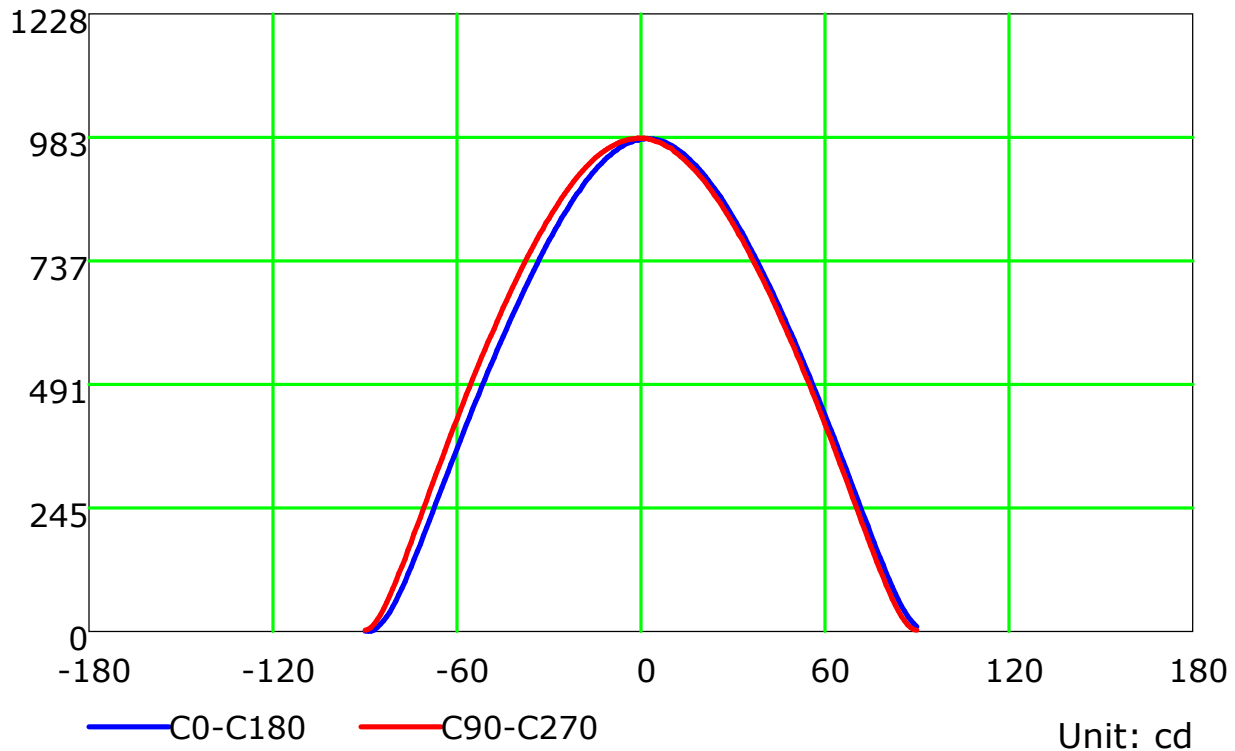
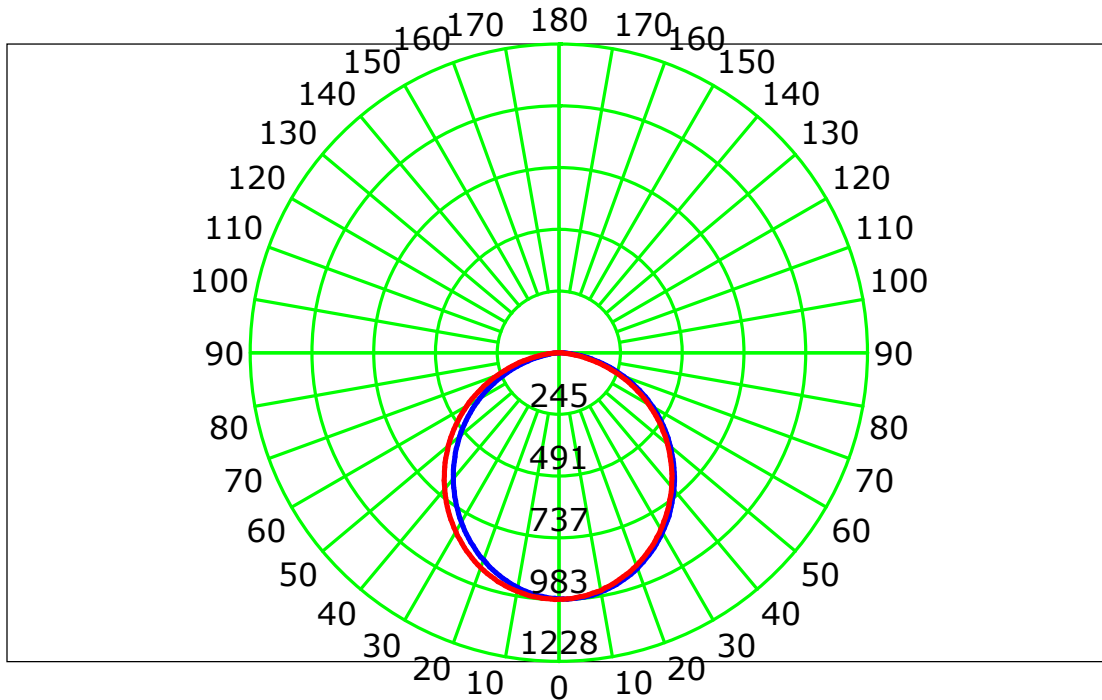
Test Device: LSG-1700B — C90-C270

Distance: 11.700 m

Humidity:

Inspector:

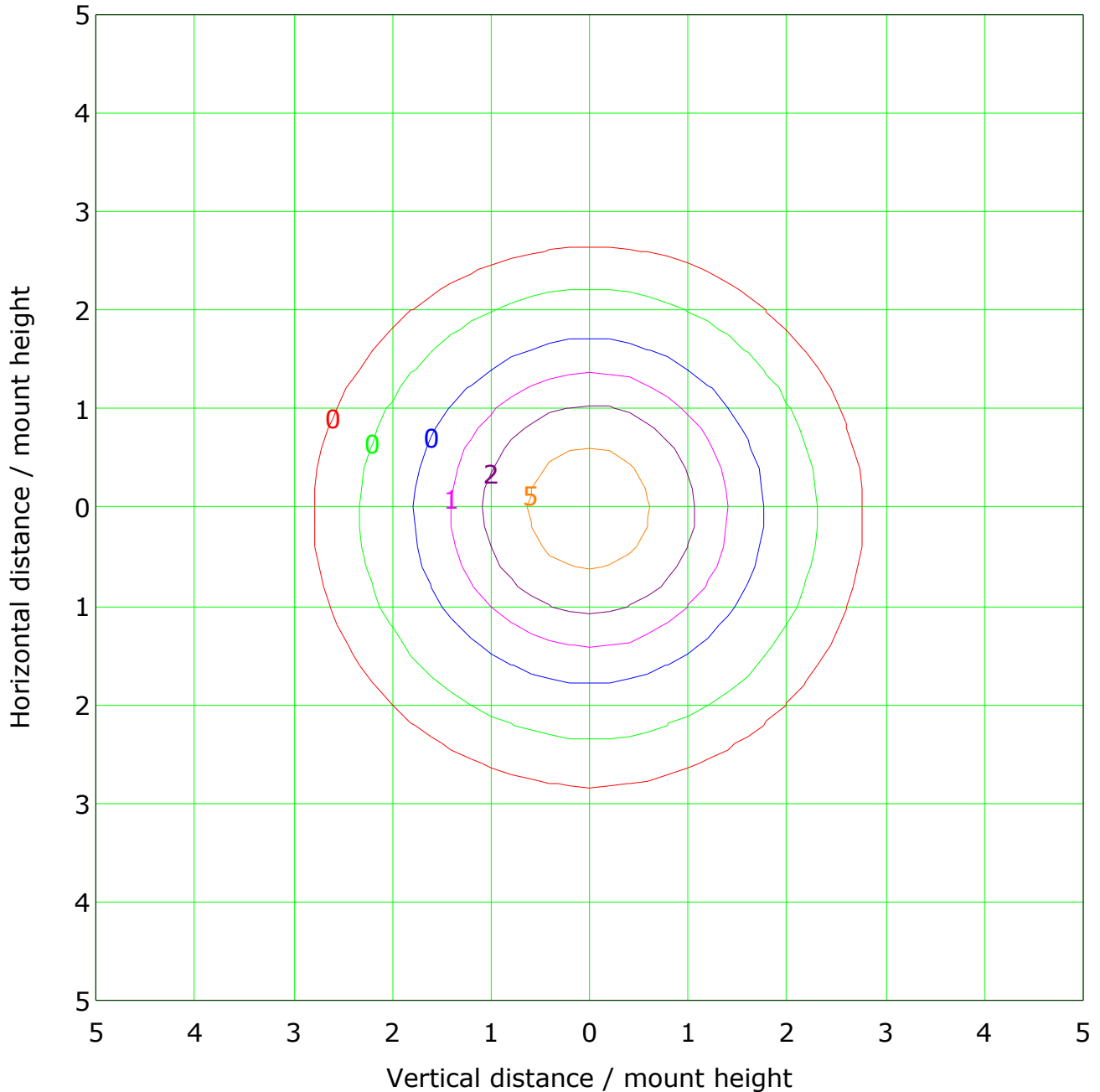
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25
 Operator: Cristian Herrera Arismendy

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

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 9.8 lx

— (1%): 0.1 lx

— (2%): 0.2 lx

— (5%): 0.5 lx

— (10%): 1.0 lx

C Plane (°):0.0-360.0: 10.0, \, 2.0 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND (100%): 9.8 lx

Test Device: LSG-1700B lx

Test Type: TYPE C

Distance: 11.700 m

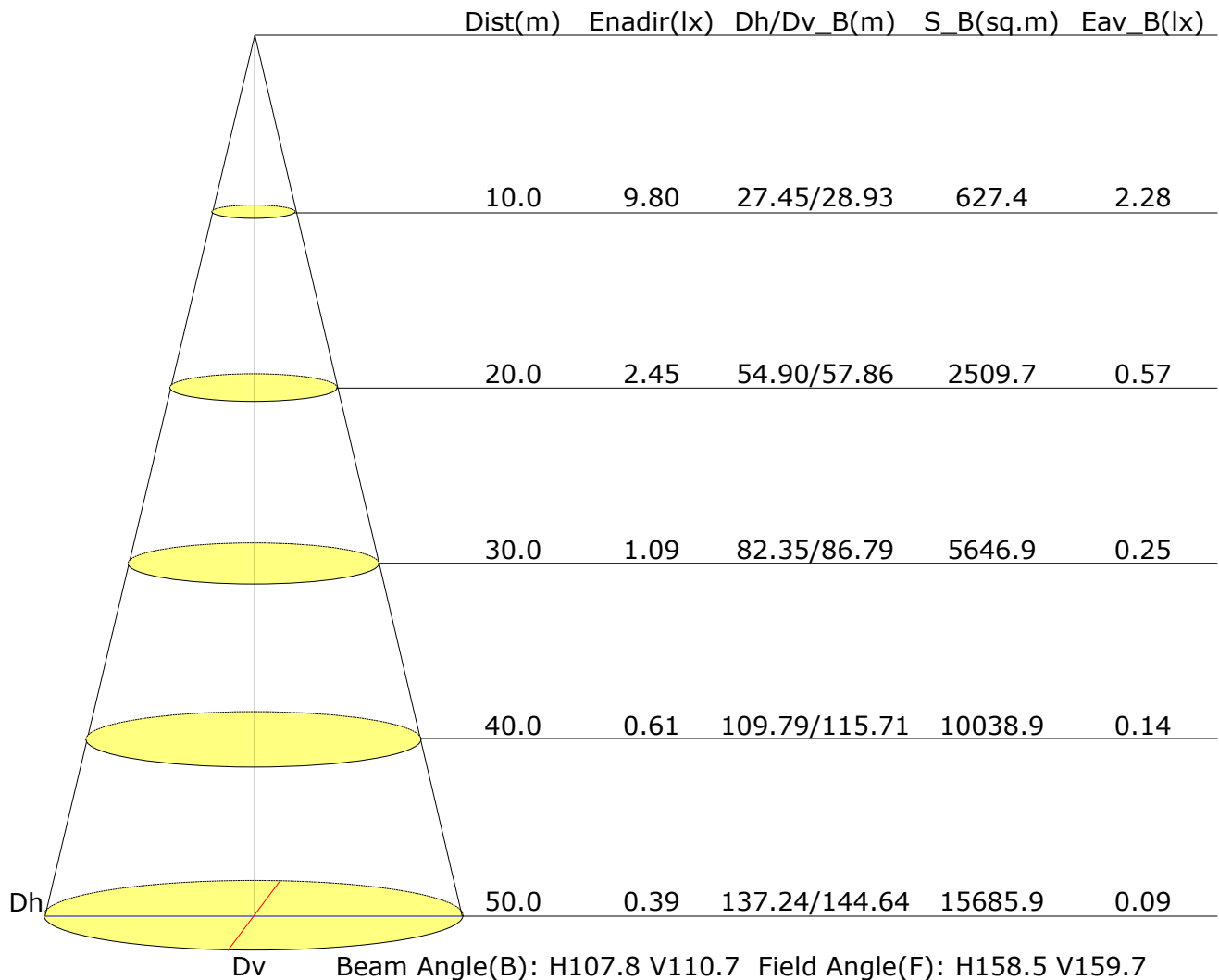
Temperature: 25

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

Illuminance at a Distance



Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	981.1	0.9	0.9	0.03	0.03
1.0-2.0	980.7	2.8	3.8	0.10	0.14
2.0-3.0	979.9	4.7	8.4	0.17	0.31
3.0-4.0	978.6	6.6	15.0	0.24	0.56
4.0-5.0	977.0	8.4	23.4	0.31	0.87
5.0-6.0	974.9	10.2	33.6	0.38	1.25
6.0-7.0	972.4	12.1	45.7	0.45	1.70
7.0-8.0	969.7	13.9	59.6	0.52	2.22
8.0-9.0	966.4	15.7	75.3	0.58	2.80
9.0-10.0	962.8	17.4	92.7	0.65	3.45
10.0-11.0	958.7	19.2	111.8	0.71	4.16
11.0-12.0	954.2	20.9	132.7	0.78	4.94
12.0-13.0	949.4	22.5	155.2	0.84	5.78
13.0-14.0	944.2	24.2	179.4	0.90	6.68
14.0-15.0	938.6	25.8	205.2	0.96	7.63
15.0-16.0	932.7	27.3	232.5	1.02	8.65
16.0-17.0	926.4	28.9	261.4	1.07	9.72
17.0-18.0	919.9	30.3	291.7	1.13	10.85
18.0-19.0	912.8	31.8	323.5	1.18	12.03
19.0-20.0	905.4	33.1	356.6	1.23	13.27
20.0-21.0	898.0	34.5	391.1	1.28	14.55
21.0-22.0	889.9	35.8	426.9	1.33	15.88
22.0-23.0	881.5	37.0	463.9	1.38	17.26
23.0-24.0	872.9	38.2	502.0	1.42	18.68
24.0-25.0	864.0	39.3	541.3	1.46	20.14
25.0-26.0	855.0	40.4	581.7	1.50	21.64
26.0-27.0	845.4	41.4	623.0	1.54	23.18
27.0-28.0	835.7	42.3	665.4	1.57	24.75
28.0-29.0	825.9	43.2	708.6	1.61	26.36
29.0-30.0	815.4	44.0	752.6	1.64	28.00
30.0-31.0	804.9	44.8	797.4	1.67	29.67
31.0-32.0	794.1	45.5	842.9	1.69	31.36
32.0-33.0	783.0	46.1	889.0	1.72	33.08
33.0-34.0	772.1	46.7	935.8	1.74	34.82
34.0-35.0	760.5	47.2	983.0	1.76	36.57
35.0-36.0	748.7	47.7	1030.7	1.77	38.35

C Plane (°):0.0-360.0: 10.0
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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	736.9	48.1	1078.7	1.79	40.13
37.0-38.0	724.7	48.4	1127.1	1.80	41.93
38.0-39.0	712.6	48.6	1175.8	1.81	43.74
39.0-40.0	700.1	48.8	1224.6	1.82	45.56
40.0-41.0	687.3	49.0	1273.6	1.82	47.38
41.0-42.0	674.8	49.0	1322.6	1.82	49.21
42.0-43.0	661.6	49.0	1371.6	1.82	51.03
43.0-44.0	648.3	48.9	1420.6	1.82	52.85
44.0-45.0	635.1	48.8	1469.4	1.82	54.67
45.0-46.0	621.4	48.6	1518.0	1.81	56.48
46.0-47.0	607.9	48.4	1566.3	1.80	58.28
47.0-48.0	593.9	48.0	1614.3	1.79	60.06
48.0-49.0	579.7	47.6	1661.9	1.77	61.83
49.0-50.0	566.0	47.2	1709.1	1.76	63.59
50.0-51.0	551.6	46.7	1755.8	1.74	65.33
51.0-52.0	536.9	46.1	1801.9	1.71	67.04
52.0-53.0	522.4	45.5	1847.4	1.69	68.73
53.0-54.0	507.6	44.7	1892.1	1.66	70.40
54.0-55.0	492.9	44.0	1936.1	1.64	72.03
55.0-56.0	477.7	43.2	1979.3	1.61	73.64
56.0-57.0	462.4	42.3	2021.6	1.57	75.21
57.0-58.0	447.8	41.4	2063.0	1.54	76.75
58.0-59.0	432.2	40.4	2103.4	1.50	78.26
59.0-60.0	416.4	39.3	2142.7	1.46	79.72
60.0-61.0	400.8	38.3	2181.0	1.42	81.14
61.0-62.0	384.9	37.1	2218.1	1.38	82.52
62.0-63.0	369.5	35.9	2254.0	1.34	83.86
63.0-64.0	353.3	34.7	2288.7	1.29	85.15
64.0-65.0	337.2	33.4	2322.1	1.24	86.39
65.0-66.0	321.5	32.1	2354.2	1.19	87.59
66.0-67.0	305.2	30.7	2384.9	1.14	88.73
67.0-68.0	289.1	29.3	2414.1	1.09	89.82
68.0-69.0	272.6	27.8	2442.0	1.03	90.85
69.0-70.0	256.2	26.3	2468.3	0.98	91.83
70.0-71.0	240.3	24.8	2493.1	0.92	92.76
71.0-72.0	223.9	23.3	2516.4	0.87	93.62

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