

Report No.: MSL-102

Test Time: 2019-04-10 08:35

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Perfil STPL045-RD 62.5CM 20W

Luminous Length (mm): 625

Luminous Width (mm): 50

Luminous Height (mm): 15

Voltage: 120.0 V

Current: 0.169 A

Power: 20.01 W

Power Factor: 0.986

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1350.6 lm

Measurement Flux: 1350.6 lm

Efficiency: 100%

Downward Ratio: 92%

Upward Ratio: 8%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 220.5, 160.0, 186.3, 186.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 124.4, 107.8, 118.1, 118.1

Luminaire Efficacy Rating (LER): 67.55

Central Intensity: 398.01 cd

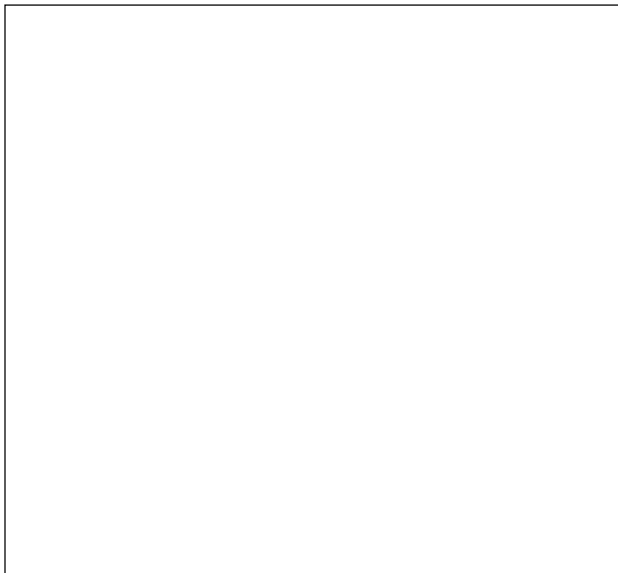
Max. Intensity: 398.33 cd

Pos of Max. Intensity: H70 V1

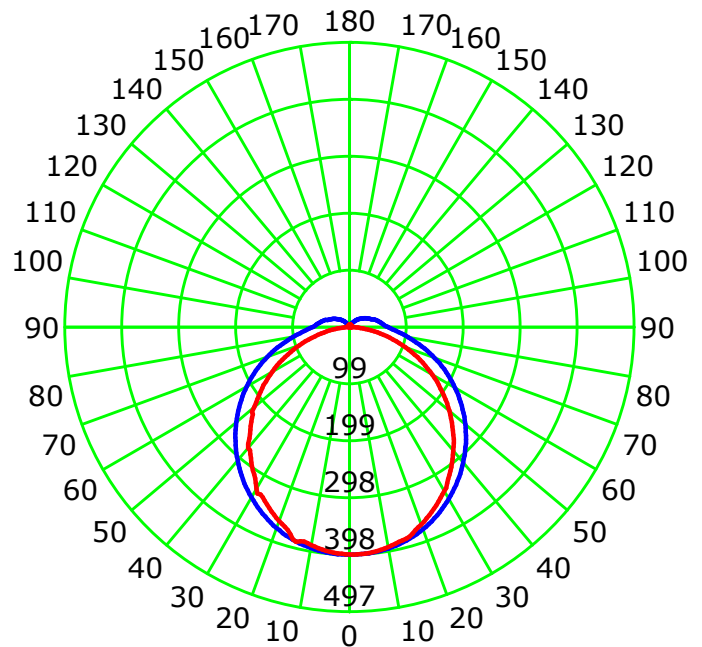
S/MH(C0/C180): 1.29

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 (°):0.0-180.0:1.0

Test Lab: LABORATORIO STAND

Test Device: LSG-1700B

Test Type: TYPE C

Distance: 11.700 m — C90-C270

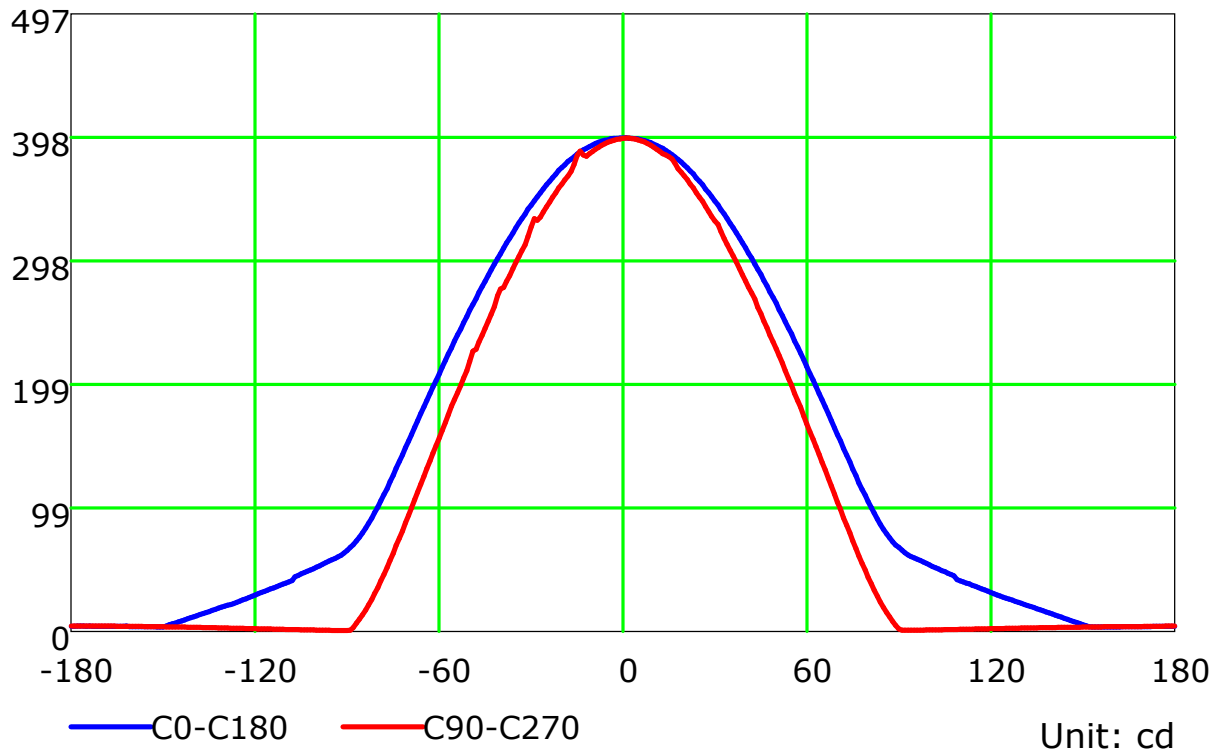
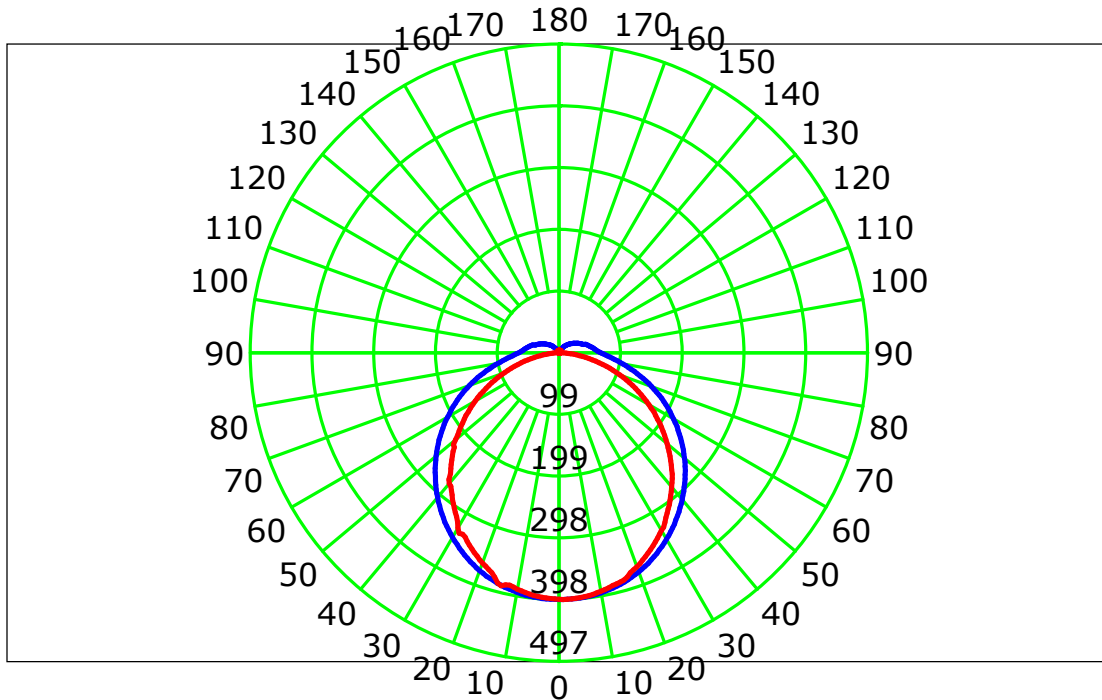
Temperature: 25.1

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

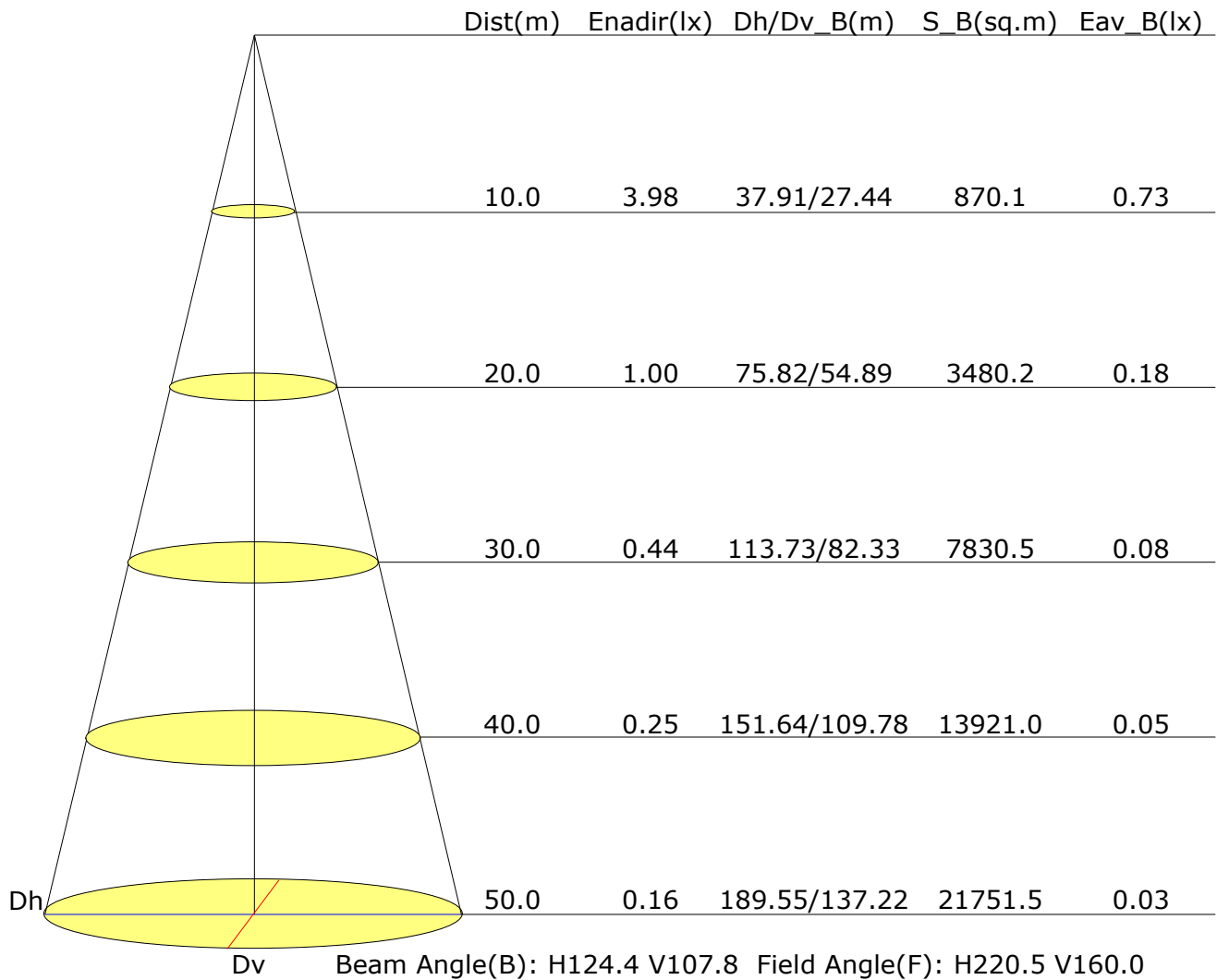
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.1
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-180.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Illuminance at a Distance



UGR Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflectance: | | | | | | | | | | |
| Ceiling (cavity) | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H Y=2H | 20.1 | 21.4 | 20.5 | 21.8 | 22.2 | 19.7 | 21.0 | 20.1 | 21.4 | 21.8 |
| 3H | 21.8 | 23.0 | 22.3 | 23.4 | 23.9 | 21.1 | 22.4 | 21.6 | 22.8 | 23.2 |
| 4H | 22.6 | 23.8 | 23.1 | 24.2 | 24.7 | 21.7 | 22.8 | 22.2 | 23.3 | 23.7 |
| 6H | 23.3 | 24.4 | 23.8 | 24.9 | 25.3 | 22.1 | 23.1 | 22.6 | 23.6 | 24.1 |
| 8H | 23.7 | 24.7 | 24.1 | 25.2 | 25.7 | 22.2 | 23.2 | 22.7 | 23.7 | 24.2 |
| 12H | 24.0 | 24.9 | 24.5 | 25.4 | 25.9 | 22.2 | 23.2 | 22.8 | 23.7 | 24.2 |
| X=4H Y=2H | 20.7 | 21.8 | 21.1 | 22.3 | 22.7 | 20.4 | 21.5 | 20.8 | 22.0 | 22.4 |
| 3H | 22.6 | 23.6 | 23.1 | 24.1 | 24.6 | 22.0 | 23.0 | 22.5 | 23.5 | 24.0 |
| 4H | 23.6 | 24.5 | 24.1 | 25.0 | 25.5 | 22.7 | 23.6 | 23.3 | 24.1 | 24.7 |
| 6H | 24.5 | 25.3 | 25.0 | 25.8 | 26.4 | 23.3 | 24.0 | 23.8 | 24.6 | 25.1 |
| 8H | 24.9 | 25.6 | 25.4 | 26.1 | 26.7 | 23.4 | 24.1 | 24.0 | 24.7 | 25.3 |
| 12H | 25.3 | 25.9 | 25.8 | 26.5 | 27.1 | 23.5 | 24.2 | 24.1 | 24.7 | 25.3 |
| X=8H Y=4H | 23.9 | 24.6 | 24.4 | 25.2 | 25.7 | 23.1 | 23.9 | 23.7 | 24.4 | 25.0 |
| 6H | 25.0 | 25.5 | 25.5 | 26.1 | 26.8 | 23.8 | 24.4 | 24.4 | 25.0 | 25.6 |
| 8H | 25.5 | 26.0 | 26.1 | 26.6 | 27.3 | 24.1 | 24.6 | 24.7 | 25.2 | 25.9 |
| 12H | 26.0 | 26.5 | 26.6 | 27.1 | 27.8 | 24.3 | 24.8 | 24.9 | 25.4 | 26.0 |
| X=12H Y=4H | 23.9 | 24.6 | 24.5 | 25.1 | 25.7 | 23.2 | 23.9 | 23.8 | 24.4 | 25.0 |
| 6H | 25.0 | 25.6 | 25.6 | 26.1 | 26.8 | 24.0 | 24.5 | 24.6 | 25.1 | 25.7 |
| 8H | 25.6 | 26.1 | 26.2 | 26.7 | 27.4 | 24.3 | 24.8 | 24.9 | 25.4 | 26.1 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | +0.2/-0.2 | | | | | +0.2/-0.2 | | | | |
| S=1.5H | +0.4/-0.4 | | | | | +0.4/-0.5 | | | | |
| S=2.0H | +0.5/-0.8 | | | | | +0.5/-0.9 | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 1351lm ($8\log(F/F_0) = 1.0$).

Zonal Lumen

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 397.7 | 0.4 | 0.4 | 0.03 | 0.03 |
| 1.0-2.0 | 397.6 | 1.1 | 1.5 | 0.08 | 0.11 |
| 2.0-3.0 | 397.3 | 1.9 | 3.4 | 0.14 | 0.25 |
| 3.0-4.0 | 396.9 | 2.7 | 6.1 | 0.20 | 0.45 |
| 4.0-5.0 | 396.4 | 3.4 | 9.5 | 0.25 | 0.70 |
| 5.0-6.0 | 395.7 | 4.2 | 13.6 | 0.31 | 1.01 |
| 6.0-7.0 | 394.9 | 4.9 | 18.6 | 0.36 | 1.37 |
| 7.0-8.0 | 393.9 | 5.6 | 24.2 | 0.42 | 1.79 |
| 8.0-9.0 | 392.8 | 6.4 | 30.6 | 0.47 | 2.26 |
| 9.0-10.0 | 391.6 | 7.1 | 37.6 | 0.52 | 2.79 |
| 10.0-11.0 | 390.2 | 7.8 | 45.4 | 0.58 | 3.36 |
| 11.0-12.0 | 388.6 | 8.5 | 53.9 | 0.63 | 3.99 |
| 12.0-13.0 | 387.1 | 9.2 | 63.1 | 0.68 | 4.67 |
| 13.0-14.0 | 385.8 | 9.9 | 73.0 | 0.73 | 5.41 |
| 14.0-15.0 | 384.5 | 10.6 | 83.6 | 0.78 | 6.19 |
| 15.0-16.0 | 382.8 | 11.2 | 94.8 | 0.83 | 7.02 |
| 16.0-17.0 | 380.4 | 11.8 | 106.6 | 0.88 | 7.90 |
| 17.0-18.0 | 377.8 | 12.5 | 119.1 | 0.92 | 8.82 |
| 18.0-19.0 | 375.0 | 13.0 | 132.1 | 0.97 | 9.78 |
| 19.0-20.0 | 372.1 | 13.6 | 145.8 | 1.01 | 10.79 |
| 20.0-21.0 | 369.4 | 14.2 | 159.9 | 1.05 | 11.84 |
| 21.0-22.0 | 366.4 | 14.7 | 174.7 | 1.09 | 12.93 |
| 22.0-23.0 | 363.3 | 15.2 | 189.9 | 1.13 | 14.06 |
| 23.0-24.0 | 360.0 | 15.7 | 205.7 | 1.17 | 15.23 |
| 24.0-25.0 | 356.6 | 16.2 | 221.9 | 1.20 | 16.43 |
| 25.0-26.0 | 353.4 | 16.7 | 238.6 | 1.24 | 17.66 |
| 26.0-27.0 | 349.9 | 17.1 | 255.7 | 1.27 | 18.93 |
| 27.0-28.0 | 346.4 | 17.5 | 273.2 | 1.30 | 20.23 |
| 28.0-29.0 | 343.1 | 18.0 | 291.2 | 1.33 | 21.56 |
| 29.0-30.0 | 339.6 | 18.3 | 309.5 | 1.36 | 22.92 |
| 30.0-31.0 | 335.7 | 18.7 | 328.2 | 1.38 | 24.30 |
| 31.0-32.0 | 331.5 | 19.0 | 347.2 | 1.41 | 25.71 |
| 32.0-33.0 | 327.2 | 19.3 | 366.5 | 1.43 | 27.13 |
| 33.0-34.0 | 323.2 | 19.6 | 386.0 | 1.45 | 28.58 |
| 34.0-35.0 | 318.8 | 19.8 | 405.8 | 1.47 | 30.05 |
| 35.0-36.0 | 314.4 | 20.0 | 425.8 | 1.48 | 31.53 |

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.1
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-180.0:1.0
 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 | 310.1 | 20.2 | 446.1 | 1.50 | 33.03 |
| 37.0-38.0 | 305.6 | 20.4 | 466.5 | 1.51 | 34.54 |
| 38.0-39.0 | 301.1 | 20.6 | 487.0 | 1.52 | 36.06 |
| 39.0-40.0 | 296.6 | 20.7 | 507.7 | 1.53 | 37.59 |
| 40.0-41.0 | 292.2 | 20.8 | 528.5 | 1.54 | 39.13 |
| 41.0-42.0 | 287.7 | 20.9 | 549.4 | 1.55 | 40.68 |
| 42.0-43.0 | 282.8 | 21.0 | 570.4 | 1.55 | 42.23 |
| 43.0-44.0 | 277.8 | 21.0 | 591.4 | 1.55 | 43.79 |
| 44.0-45.0 | 272.9 | 21.0 | 612.3 | 1.55 | 45.34 |
| 45.0-46.0 | 267.9 | 21.0 | 633.3 | 1.55 | 46.89 |
| 46.0-47.0 | 262.8 | 20.9 | 654.2 | 1.55 | 48.44 |
| 47.0-48.0 | 257.7 | 20.8 | 675.0 | 1.54 | 49.98 |
| 48.0-49.0 | 252.6 | 20.8 | 695.8 | 1.54 | 51.52 |
| 49.0-50.0 | 247.7 | 20.7 | 716.4 | 1.53 | 53.05 |
| 50.0-51.0 | 242.4 | 20.5 | 736.9 | 1.52 | 54.57 |
| 51.0-52.0 | 237.0 | 20.3 | 757.3 | 1.51 | 56.07 |
| 52.0-53.0 | 231.8 | 20.2 | 777.4 | 1.49 | 57.56 |
| 53.0-54.0 | 226.3 | 20.0 | 797.4 | 1.48 | 59.04 |
| 54.0-55.0 | 221.0 | 19.7 | 817.1 | 1.46 | 60.50 |
| 55.0-56.0 | 215.5 | 19.5 | 836.6 | 1.44 | 61.94 |
| 56.0-57.0 | 210.0 | 19.2 | 855.8 | 1.42 | 63.37 |
| 57.0-58.0 | 204.6 | 18.9 | 874.7 | 1.40 | 64.77 |
| 58.0-59.0 | 198.9 | 18.6 | 893.3 | 1.38 | 66.14 |
| 59.0-60.0 | 193.2 | 18.3 | 911.6 | 1.35 | 67.50 |
| 60.0-61.0 | 187.5 | 17.9 | 929.5 | 1.33 | 68.82 |
| 61.0-62.0 | 181.8 | 17.5 | 947.0 | 1.30 | 70.12 |
| 62.0-63.0 | 176.3 | 17.1 | 964.2 | 1.27 | 71.39 |
| 63.0-64.0 | 170.4 | 16.7 | 980.9 | 1.24 | 72.63 |
| 64.0-65.0 | 164.6 | 16.3 | 997.2 | 1.21 | 73.83 |
| 65.0-66.0 | 159.0 | 15.9 | 1013.0 | 1.17 | 75.01 |
| 66.0-67.0 | 153.1 | 15.4 | 1028.4 | 1.14 | 76.15 |
| 67.0-68.0 | 147.2 | 14.9 | 1043.4 | 1.10 | 77.25 |
| 68.0-69.0 | 141.3 | 14.4 | 1057.8 | 1.07 | 78.32 |
| 69.0-70.0 | 135.4 | 13.9 | 1071.7 | 1.03 | 79.35 |
| 70.0-71.0 | 129.8 | 13.4 | 1085.1 | 0.99 | 80.34 |
| 71.0-72.0 | 123.9 | 12.9 | 1098.0 | 0.95 | 81.30 |

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.1
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-180.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0 | 118.1 | 12.3 | 1110.3 | 0.91 | 82.21 |
| 73.0-74.0 | 112.5 | 11.8 | 1122.2 | 0.88 | 83.09 |
| 74.0-75.0 | 106.7 | 11.3 | 1133.5 | 0.83 | 83.92 |
| 75.0-76.0 | 101.0 | 10.7 | 1144.2 | 0.79 | 84.72 |
| 76.0-77.0 | 95.5 | 10.2 | 1154.4 | 0.75 | 85.47 |
| 77.0-78.0 | 89.9 | 9.6 | 1164.0 | 0.71 | 86.18 |
| 78.0-79.0 | 84.8 | 9.1 | 1173.1 | 0.67 | 86.86 |
| 79.0-80.0 | 79.6 | 8.6 | 1181.7 | 0.64 | 87.49 |
| 80.0-81.0 | 74.6 | 8.1 | 1189.7 | 0.60 | 88.09 |
| 81.0-82.0 | 69.8 | 7.6 | 1197.3 | 0.56 | 88.65 |
| 82.0-83.0 | 65.2 | 7.1 | 1204.4 | 0.53 | 89.18 |
| 83.0-84.0 | 60.9 | 6.6 | 1211.1 | 0.49 | 89.67 |
| 84.0-85.0 | 56.8 | 6.2 | 1217.3 | 0.46 | 90.13 |
| 85.0-86.0 | 53.0 | 5.8 | 1223.1 | 0.43 | 90.56 |
| 86.0-87.0 | 49.6 | 5.4 | 1228.5 | 0.40 | 90.96 |
| 87.0-88.0 | 46.4 | 5.1 | 1233.6 | 0.38 | 91.34 |
| 88.0-89.0 | 43.6 | 4.8 | 1238.3 | 0.35 | 91.69 |
| 89.0-90.0 | 41.3 | 4.5 | 1242.9 | 0.34 | 92.02 |
| 90.0-91.0 | 39.4 | 4.3 | 1247.2 | 0.32 | 92.34 |
| 91.0-92.0 | 38.0 | 4.2 | 1251.3 | 0.31 | 92.65 |
| 92.0-93.0 | 36.8 | 4.0 | 1255.4 | 0.30 | 92.95 |
| 93.0-94.0 | 35.8 | 3.9 | 1259.3 | 0.29 | 93.24 |
| 94.0-95.0 | 34.9 | 3.8 | 1263.1 | 0.28 | 93.52 |
| 95.0-96.0 | 34.1 | 3.7 | 1266.8 | 0.28 | 93.80 |
| 96.0-97.0 | 33.2 | 3.6 | 1270.5 | 0.27 | 94.07 |
| 97.0-98.0 | 32.4 | 3.5 | 1274.0 | 0.26 | 94.33 |
| 98.0-99.0 | 31.5 | 3.4 | 1277.4 | 0.25 | 94.58 |
| 99.0-100.0 | 30.7 | 3.3 | 1280.7 | 0.25 | 94.83 |
| 100.0-101.0 | 29.9 | 3.2 | 1283.9 | 0.24 | 95.07 |
| 101.0-102.0 | 29.1 | 3.1 | 1287.1 | 0.23 | 95.30 |
| 102.0-103.0 | 28.3 | 3.0 | 1290.1 | 0.22 | 95.52 |
| 103.0-104.0 | 27.5 | 2.9 | 1293.0 | 0.22 | 95.74 |
| 104.0-105.0 | 26.7 | 2.8 | 1295.9 | 0.21 | 95.95 |
| 105.0-106.0 | 26.0 | 2.7 | 1298.6 | 0.20 | 96.15 |
| 106.0-107.0 | 25.1 | 2.6 | 1301.2 | 0.20 | 96.35 |
| 107.0-108.0 | 24.0 | 2.5 | 1303.7 | 0.19 | 96.53 |

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.1
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-180.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0 | 22.9 | 2.4 | 1306.1 | 0.18 | 96.71 |
| 109.0-110.0 | 22.0 | 2.3 | 1308.4 | 0.17 | 96.88 |
| 110.0-111.0 | 21.2 | 2.2 | 1310.6 | 0.16 | 97.04 |
| 111.0-112.0 | 20.4 | 2.1 | 1312.7 | 0.15 | 97.19 |
| 112.0-113.0 | 19.7 | 2.0 | 1314.7 | 0.15 | 97.34 |
| 113.0-114.0 | 19.0 | 1.9 | 1316.6 | 0.14 | 97.48 |
| 114.0-115.0 | 18.2 | 1.8 | 1318.4 | 0.13 | 97.62 |
| 115.0-116.0 | 17.5 | 1.7 | 1320.1 | 0.13 | 97.74 |
| 116.0-117.0 | 16.9 | 1.7 | 1321.8 | 0.12 | 97.87 |
| 117.0-118.0 | 16.2 | 1.6 | 1323.3 | 0.12 | 97.98 |
| 118.0-119.0 | 15.6 | 1.5 | 1324.9 | 0.11 | 98.10 |
| 119.0-120.0 | 15.0 | 1.4 | 1326.3 | 0.11 | 98.20 |
| 120.0-121.0 | 14.5 | 1.4 | 1327.7 | 0.10 | 98.30 |
| 121.0-122.0 | 13.9 | 1.3 | 1329.0 | 0.10 | 98.40 |
| 122.0-123.0 | 13.5 | 1.2 | 1330.2 | 0.09 | 98.49 |
| 123.0-124.0 | 13.0 | 1.2 | 1331.4 | 0.09 | 98.58 |
| 124.0-125.0 | 12.6 | 1.1 | 1332.5 | 0.08 | 98.66 |
| 125.0-126.0 | 12.2 | 1.1 | 1333.6 | 0.08 | 98.74 |
| 126.0-127.0 | 11.8 | 1.0 | 1334.7 | 0.08 | 98.82 |
| 127.0-128.0 | 11.4 | 1.0 | 1335.7 | 0.07 | 98.90 |
| 128.0-129.0 | 11.0 | 0.9 | 1336.6 | 0.07 | 98.96 |
| 129.0-130.0 | 10.6 | 0.9 | 1337.5 | 0.07 | 99.03 |
| 130.0-131.0 | 10.1 | 0.8 | 1338.3 | 0.06 | 99.09 |
| 131.0-132.0 | 9.7 | 0.8 | 1339.1 | 0.06 | 99.15 |
| 132.0-133.0 | 9.3 | 0.8 | 1339.9 | 0.06 | 99.21 |
| 133.0-134.0 | 8.9 | 0.7 | 1340.6 | 0.05 | 99.26 |
| 134.0-135.0 | 8.6 | 0.7 | 1341.3 | 0.05 | 99.31 |
| 135.0-136.0 | 8.2 | 0.6 | 1341.9 | 0.05 | 99.36 |
| 136.0-137.0 | 7.8 | 0.6 | 1342.5 | 0.04 | 99.40 |
| 137.0-138.0 | 7.5 | 0.6 | 1343.0 | 0.04 | 99.44 |
| 138.0-139.0 | 7.1 | 0.5 | 1343.6 | 0.04 | 99.48 |
| 139.0-140.0 | 6.7 | 0.5 | 1344.0 | 0.04 | 99.52 |
| 140.0-141.0 | 6.4 | 0.4 | 1344.5 | 0.03 | 99.55 |
| 141.0-142.0 | 6.0 | 0.4 | 1344.9 | 0.03 | 99.58 |
| 142.0-143.0 | 5.7 | 0.4 | 1345.3 | 0.03 | 99.61 |
| 143.0-144.0 | 5.4 | 0.4 | 1345.6 | 0.03 | 99.63 |

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.1
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-180.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0 | 5.1 | 0.3 | 1346.0 | 0.02 | 99.66 |
| 145.0-146.0 | 4.8 | 0.3 | 1346.3 | 0.02 | 99.68 |
| 146.0-147.0 | 4.5 | 0.3 | 1346.5 | 0.02 | 99.70 |
| 147.0-148.0 | 4.3 | 0.3 | 1346.8 | 0.02 | 99.72 |
| 148.0-149.0 | 4.1 | 0.2 | 1347.0 | 0.02 | 99.74 |
| 149.0-150.0 | 3.9 | 0.2 | 1347.2 | 0.02 | 99.75 |
| 150.0-151.0 | 3.8 | 0.2 | 1347.4 | 0.02 | 99.77 |
| 151.0-152.0 | 3.8 | 0.2 | 1347.6 | 0.01 | 99.78 |
| 152.0-153.0 | 3.8 | 0.2 | 1347.8 | 0.01 | 99.80 |
| 153.0-154.0 | 3.8 | 0.2 | 1348.0 | 0.01 | 99.81 |
| 154.0-155.0 | 3.8 | 0.2 | 1348.2 | 0.01 | 99.82 |
| 155.0-156.0 | 3.9 | 0.2 | 1348.4 | 0.01 | 99.84 |
| 156.0-157.0 | 3.9 | 0.2 | 1348.5 | 0.01 | 99.85 |
| 157.0-158.0 | 3.9 | 0.2 | 1348.7 | 0.01 | 99.86 |
| 158.0-159.0 | 3.9 | 0.2 | 1348.9 | 0.01 | 99.87 |
| 159.0-160.0 | 4.0 | 0.2 | 1349.0 | 0.01 | 99.88 |
| 160.0-161.0 | 4.0 | 0.1 | 1349.2 | 0.01 | 99.89 |
| 161.0-162.0 | 4.0 | 0.1 | 1349.3 | 0.01 | 99.91 |
| 162.0-163.0 | 4.1 | 0.1 | 1349.4 | 0.01 | 99.91 |
| 163.0-164.0 | 4.1 | 0.1 | 1349.6 | 0.01 | 99.92 |
| 164.0-165.0 | 4.1 | 0.1 | 1349.7 | 0.01 | 99.93 |
| 165.0-166.0 | 4.1 | 0.1 | 1349.8 | 0.01 | 99.94 |
| 166.0-167.0 | 4.1 | 0.1 | 1349.9 | 0.01 | 99.95 |
| 167.0-168.0 | 4.2 | 0.1 | 1350.0 | 0.01 | 99.96 |
| 168.0-169.0 | 4.2 | 0.1 | 1350.1 | 0.01 | 99.96 |
| 169.0-170.0 | 4.2 | 0.1 | 1350.2 | 0.01 | 99.97 |
| 170.0-171.0 | 4.2 | 0.1 | 1350.2 | 0.01 | 99.98 |
| 171.0-172.0 | 4.2 | 0.1 | 1350.3 | 0.01 | 99.98 |
| 172.0-173.0 | 4.3 | 0.1 | 1350.4 | 0.00 | 99.99 |
| 173.0-174.0 | 4.3 | 0.1 | 1350.4 | 0.00 | 99.99 |
| 174.0-175.0 | 4.3 | 0.0 | 1350.5 | 0.00 | 99.99 |
| 175.0-176.0 | 4.3 | 0.0 | 1350.5 | 0.00 | 100.00 |
| 176.0-177.0 | 4.3 | 0.0 | 1350.5 | 0.00 | 100.00 |
| 177.0-178.0 | 4.3 | 0.0 | 1350.6 | 0.00 | 100.00 |
| 178.0-179.0 | 4.3 | 0.0 | 1350.6 | 0.00 | 100.00 |
| 179.0-180.0 | 4.3 | 0.0 | 1350.6 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.1
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-180.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector: