

Report No.: 6

Test Time: 06.12.2017 16:07

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FW 150 50W Refond 130-140Lm 5000K 40x90

Luminous Length (mm): 200

Luminous Width (mm): 118

Voltage: 231.6 V

Current: 0.213 A

Power: 48.40 W

Power Factor: 0.976

Photometric Results

CIE Class: Direct

Measurement Flux: 5611.6 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 5611.6 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 123.8, 138.8, 140.7, 140.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.0, 117.8, 124.7, 124.0

Luminaire Efficacy Rating (LER): 115.99

Central Intensity: 915.95 cd

Max. Intensity: 2507.71 cd

Pos of Max. Intensity: H180 V38

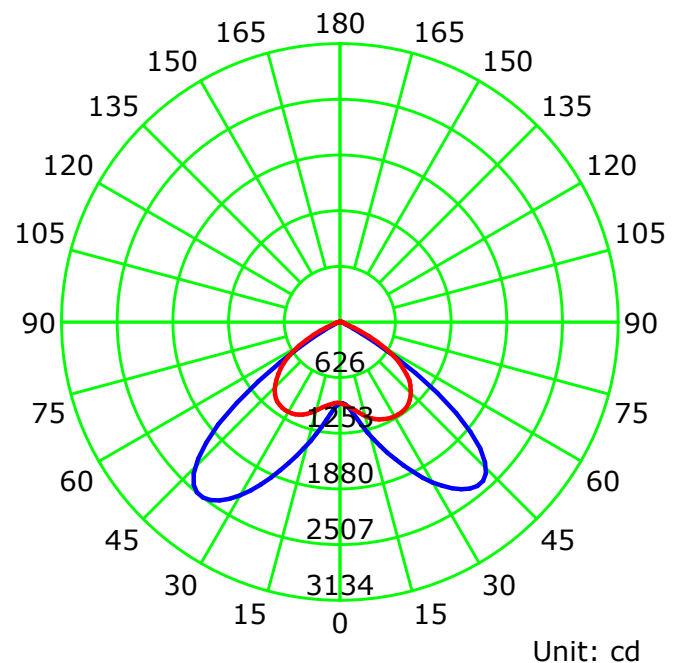
S/MH(C0/C180): 2.43

S/MH(C90/C270): 1.82

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

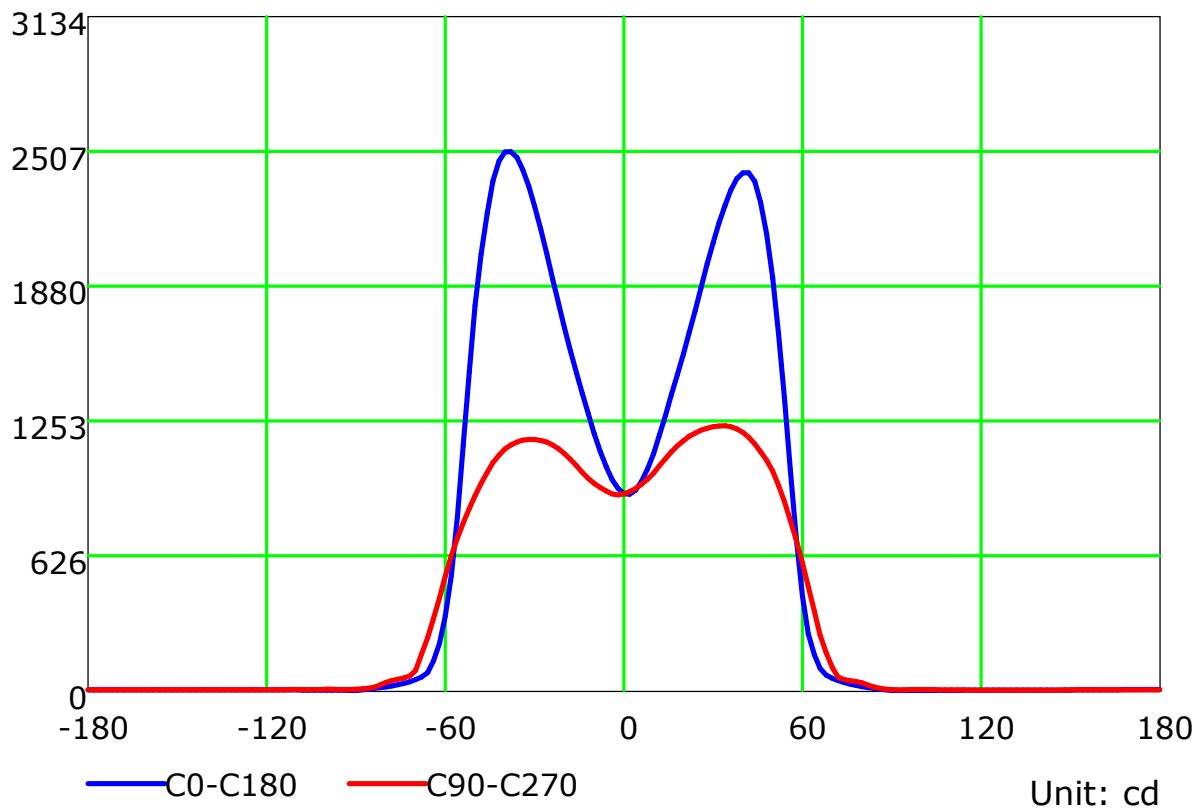
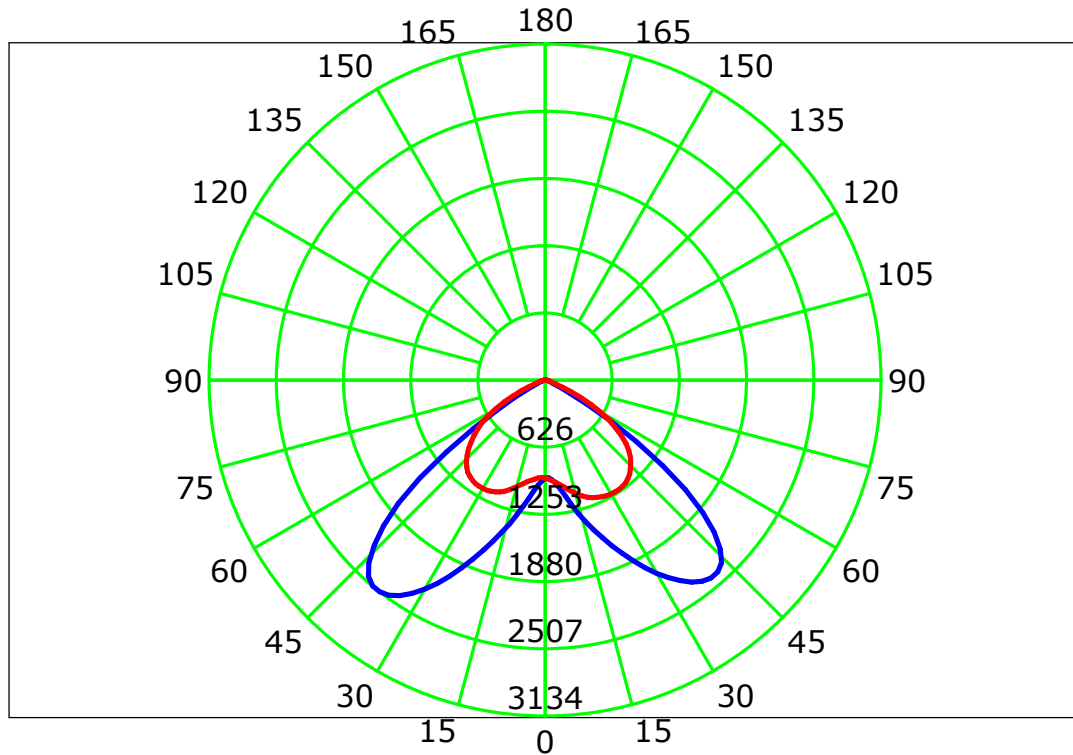
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

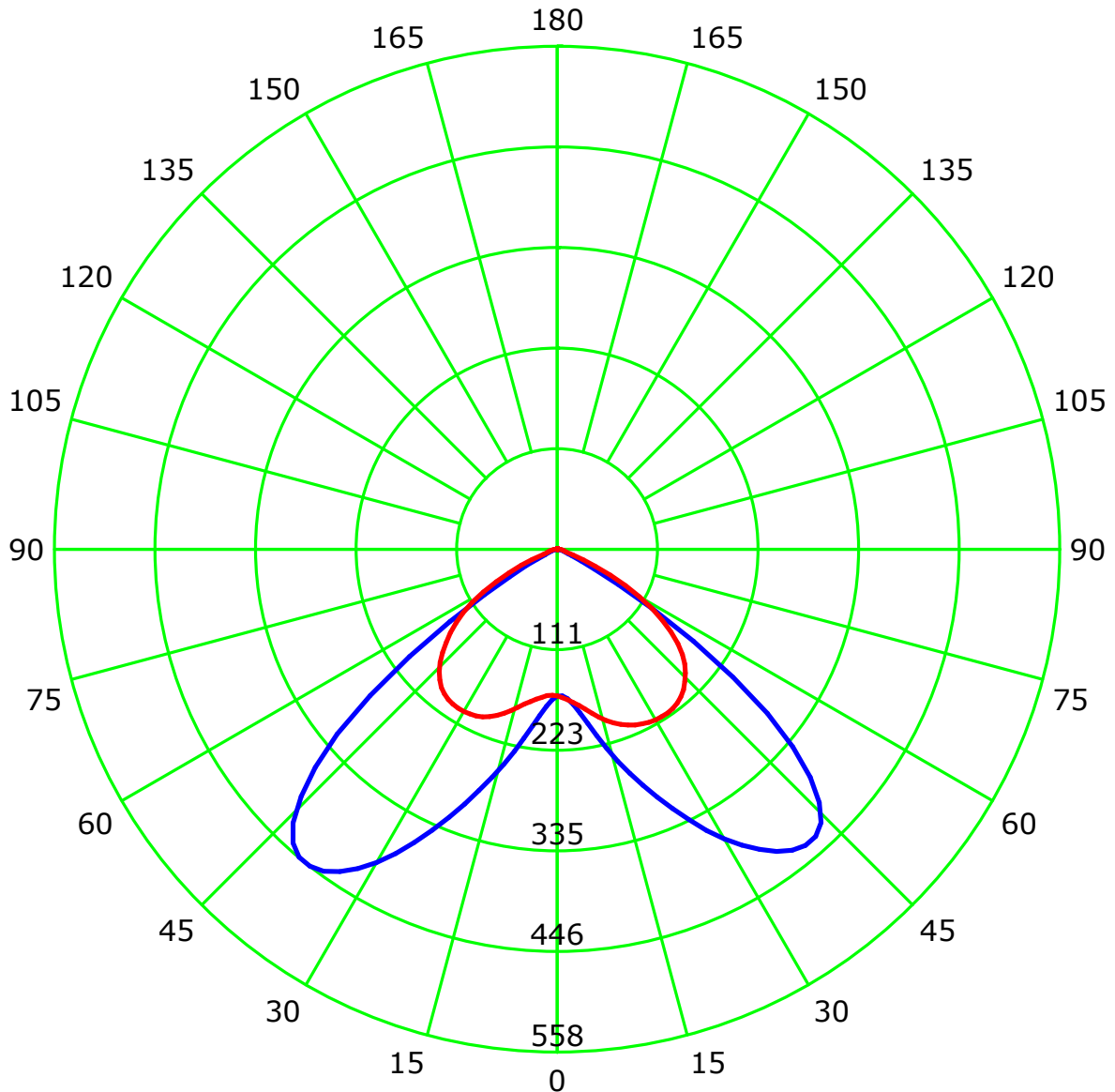
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



cd/klm

|Ç=100%

— C0-C18FP 150 50W Refond 130-140Lm 5000K 40x90 Lense
 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

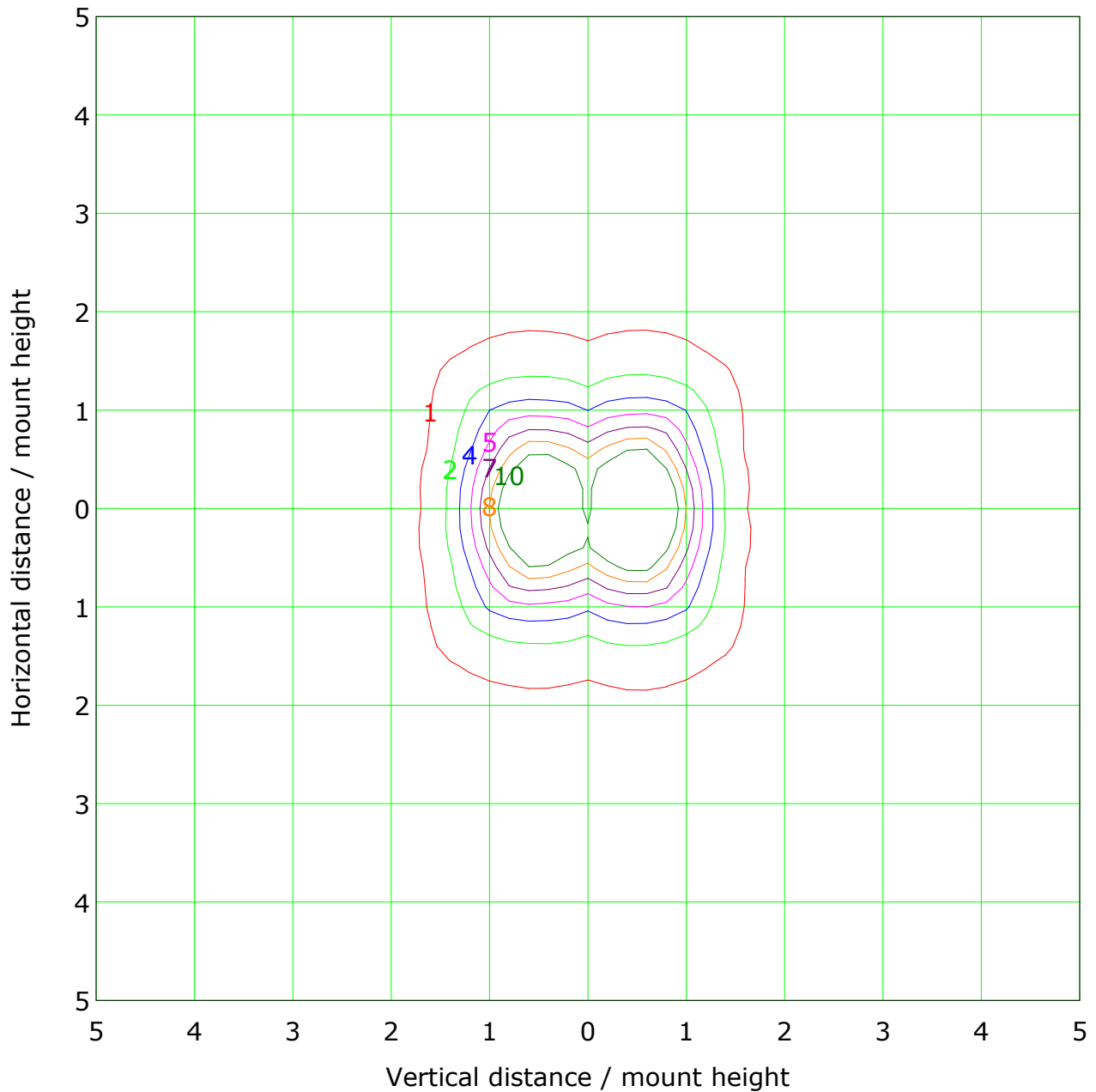
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



| | | | |
|------------------------|--------|------------------------|--------|
| Mounting Height: 10.0m | | Max Lux(100%): 14.8 lx | |
| (5%): | 0.7 lx | (15%): | 2.2 lx |
| (25%): | 3.7 lx | (35%): | 5.2 lx |
| (45%): | 6.7 lx | (55%): | 8.1 lx |
| (65%): | 9.6 lx | | |

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Test Device: LSG-1800B

Distance: 12.606 m

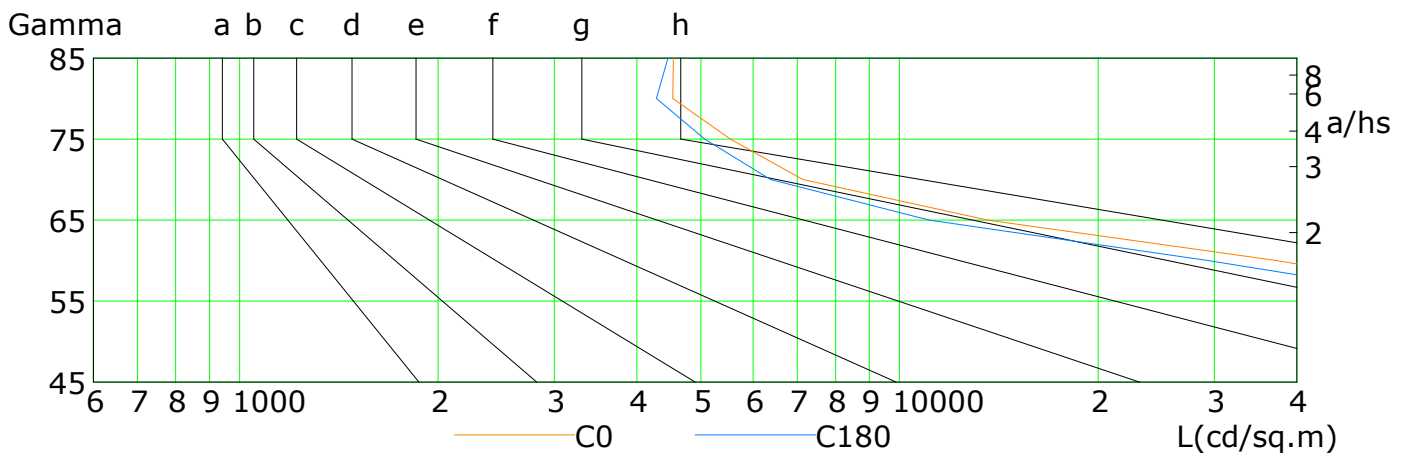
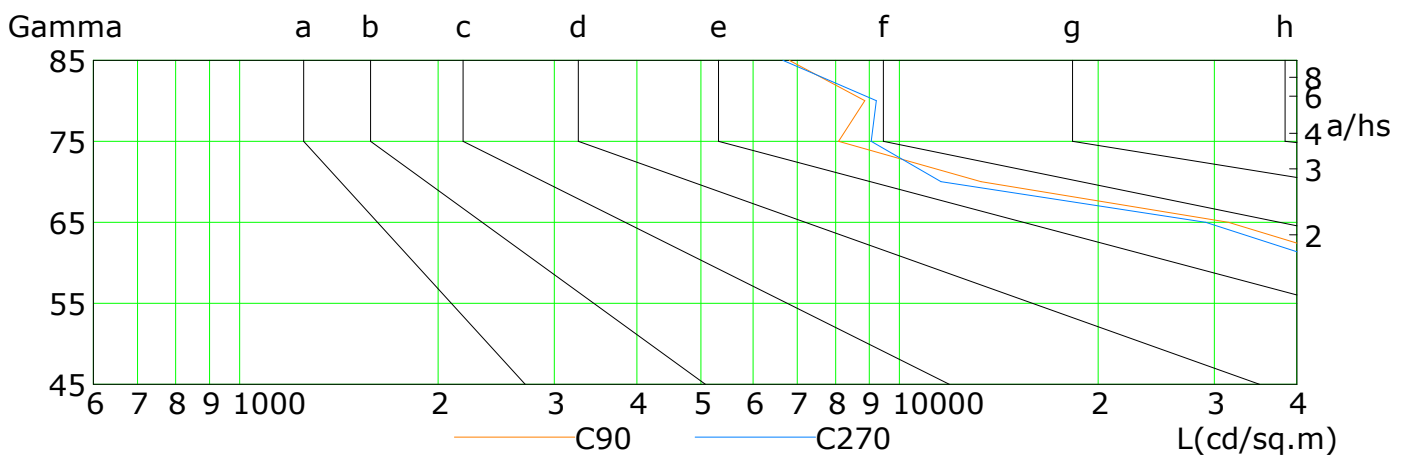
Humidity:

Inspector:

Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) | | | | | | | |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |

a b c d e f g h



| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|--------|--------|-------|-------|-------|-------|------|------|------|
| C0 | 139050 | 126455 | 88017 | 37183 | 13599 | 7135 | 5543 | 4534 | 4546 |
| C90 | 67663 | 67304 | 61654 | 50318 | 31524 | 13293 | 8083 | 8855 | 6809 |
| C180 | 137557 | 118085 | 71980 | 29281 | 11086 | 6374 | 5069 | 4280 | 4458 |
| C270 | 62207 | 59746 | 55033 | 45119 | 29107 | 11559 | 9063 | 9221 | 6656 |

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Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

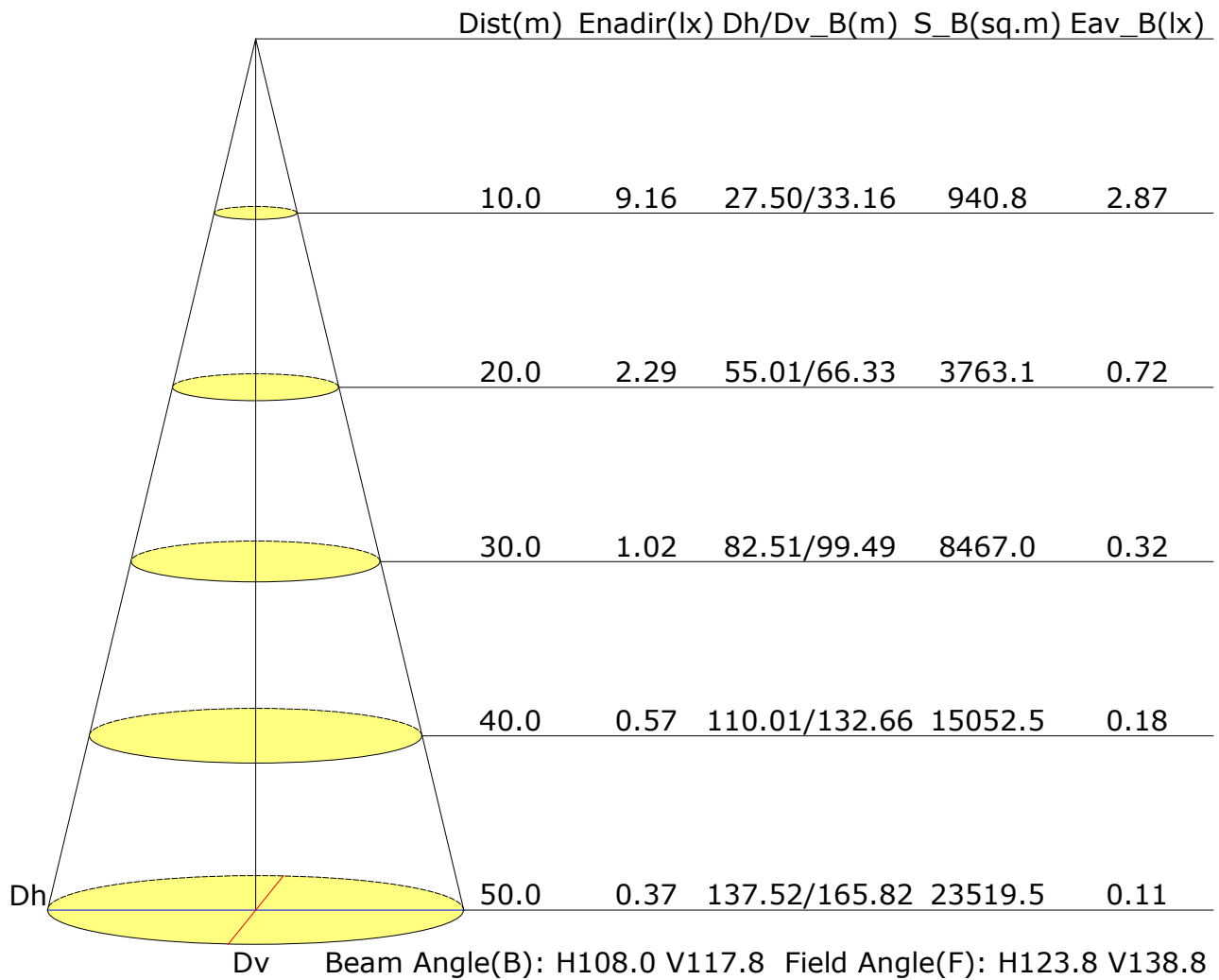
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector: