

Report No.: 1

Test Time: 01.09.2018 13:55

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: Pure aluminium 20W Sanan 2700-6500K

Lamp Description: LED

Luminous Width (mm): 100

Voltage: 222.4 V

Power: 21.00 W

Luminous Length (mm): 145

Luminous Height (mm): 20

Current: 0.099 A

Power Factor: 0.946

Photometric Results

CIE Class: Direct

Measurement Flux: 1661.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 151.5, 135.6, 148.3, 147.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.9, 112.8, 116.8, 116.9

Luminaire Efficacy Rating (LER): 79.17

Max. Intensity: 617.04 cd

S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 1661.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 616.07 cd

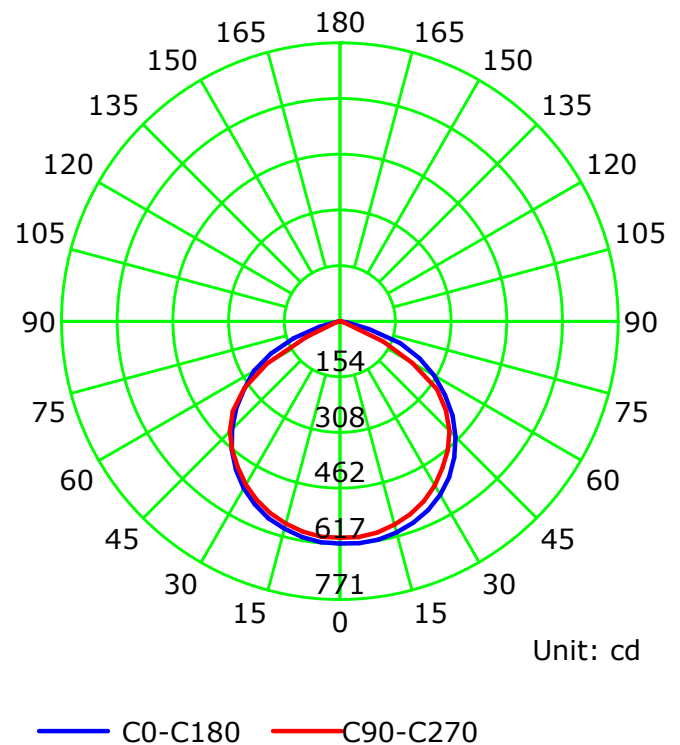
Pos of Max. Intensity: H0 V5

S/MH(C90/C270): 1.29

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

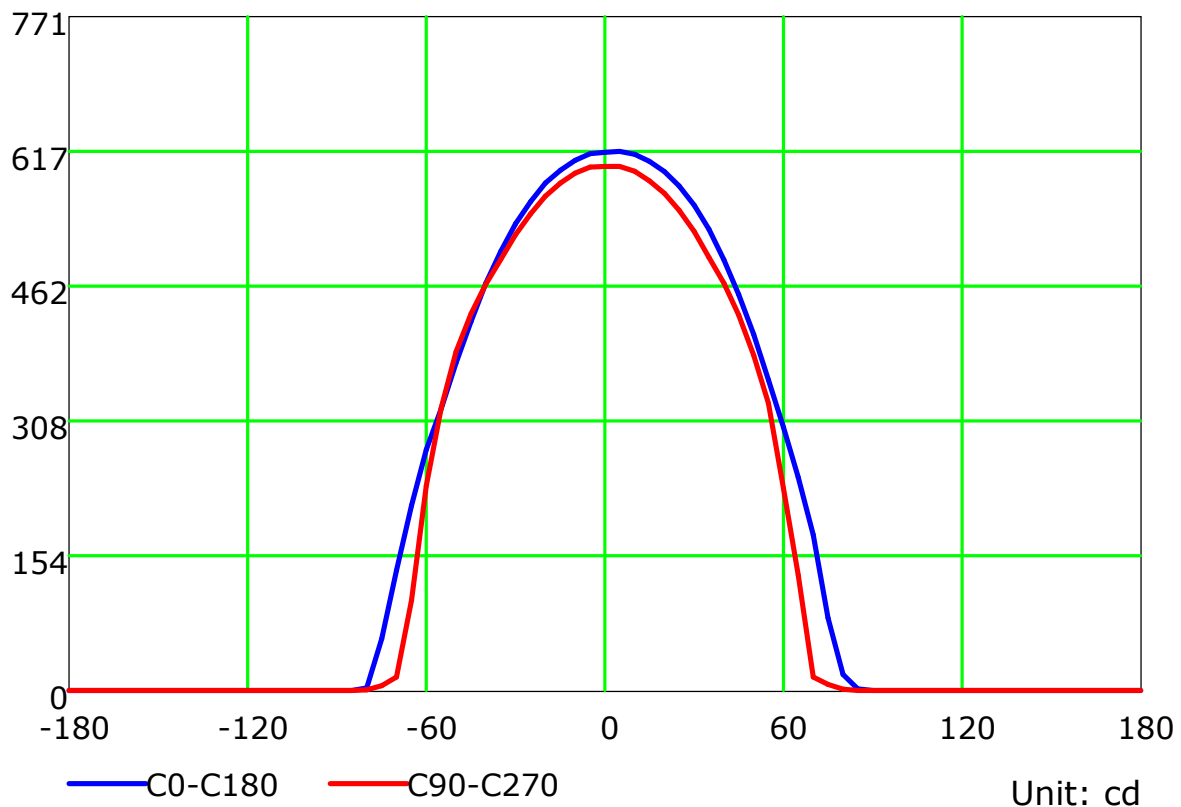
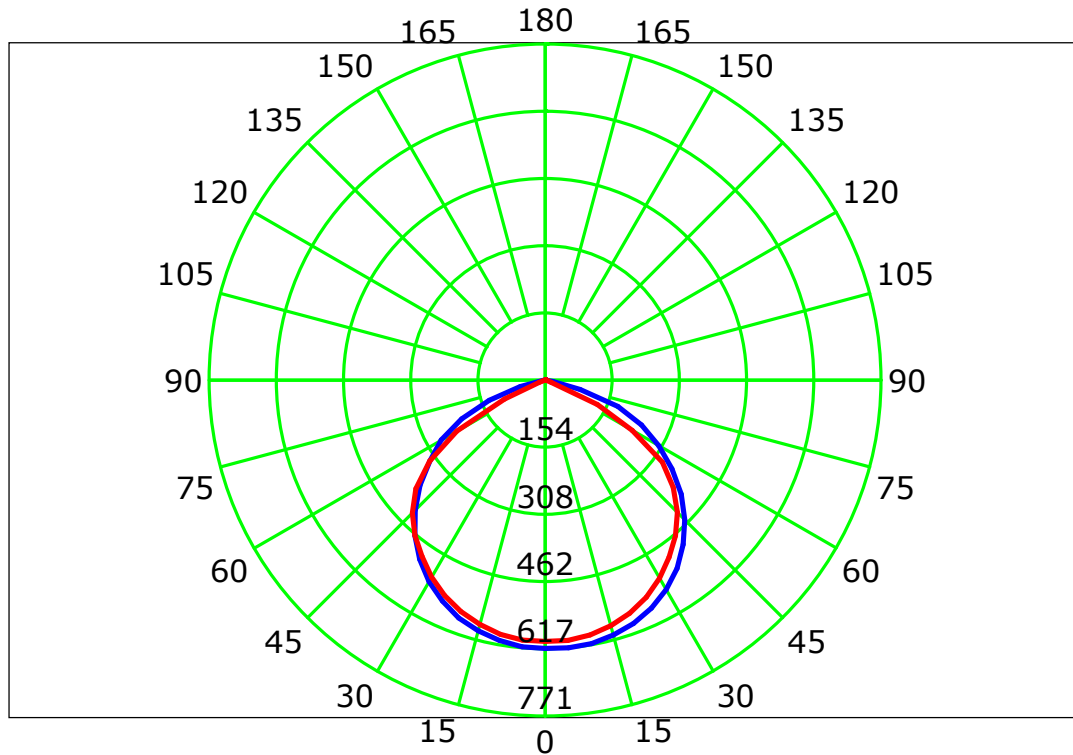
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:5.0

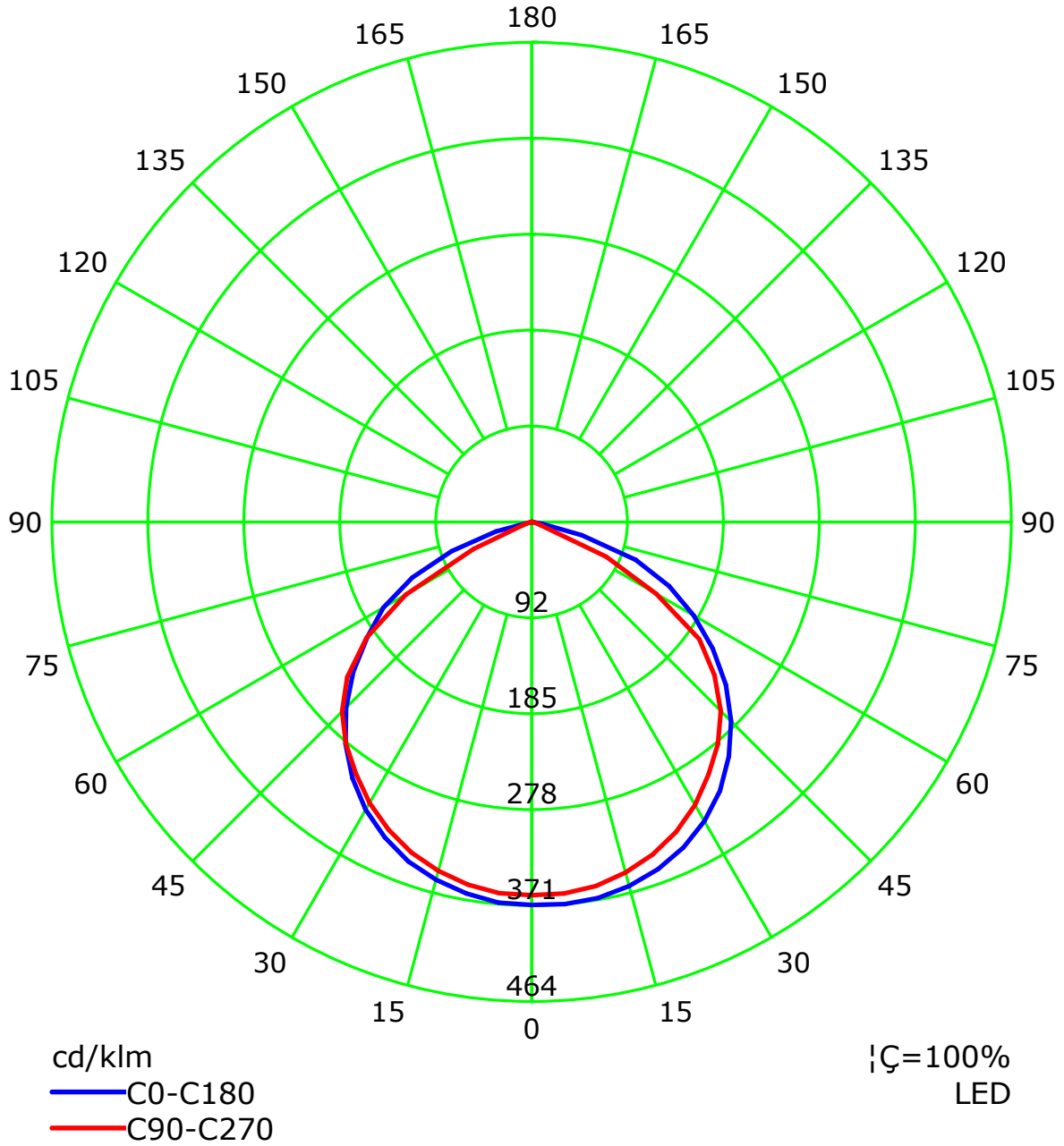
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

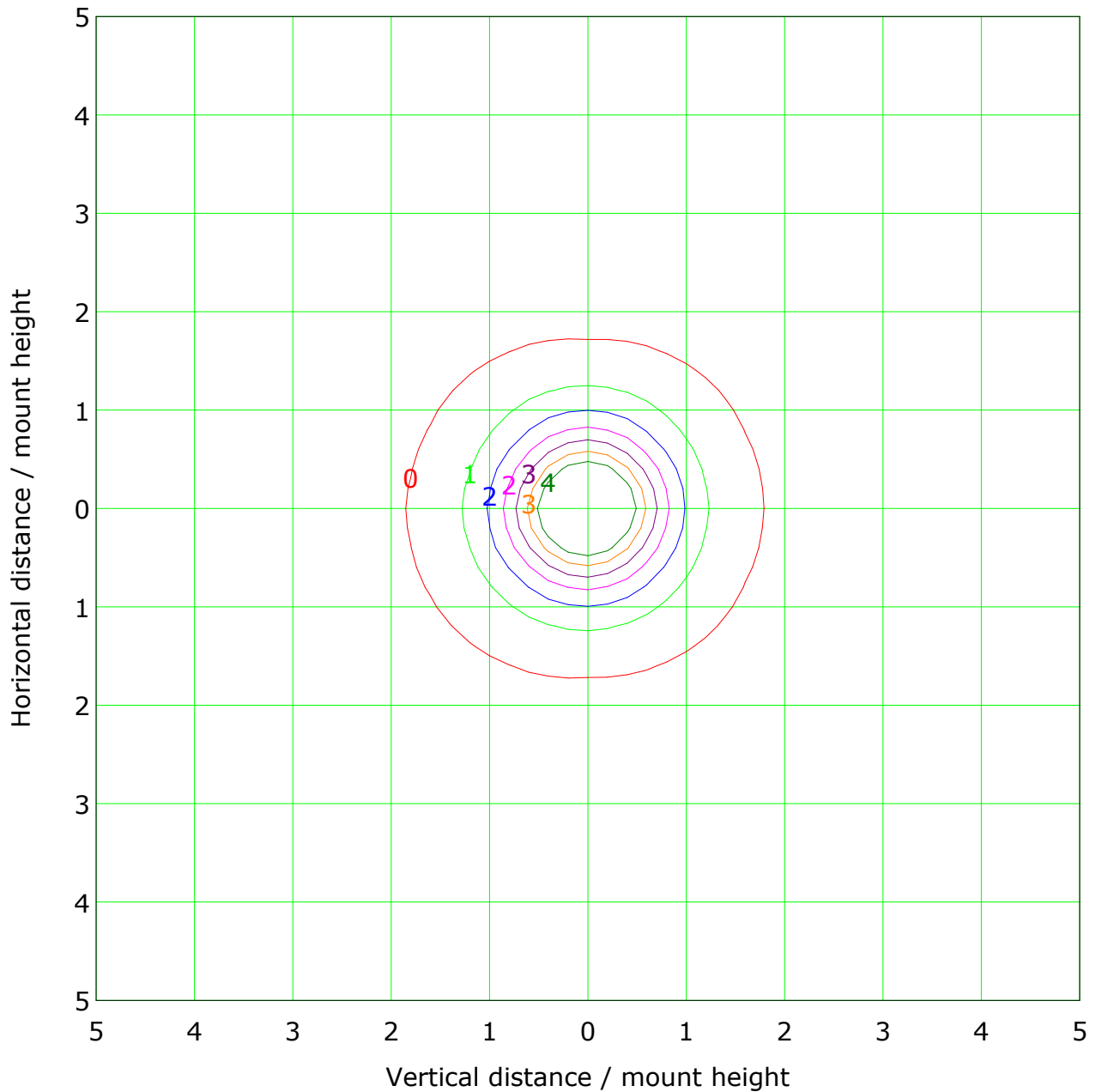
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



| | | | |
|------------------------|--------|-----------------------|--------|
| Mounting Height: 10.0m | | Max Lux(100%): 6.2 lx | |
| — (5%): | 0.3 lx | — (15%): | 0.9 lx |
| — (25%): | 1.5 lx | — (35%): | 2.2 lx |
| — (45%): | 2.8 lx | — (55%): | 3.4 lx |
| — (65%): | 4.0 lx | | |

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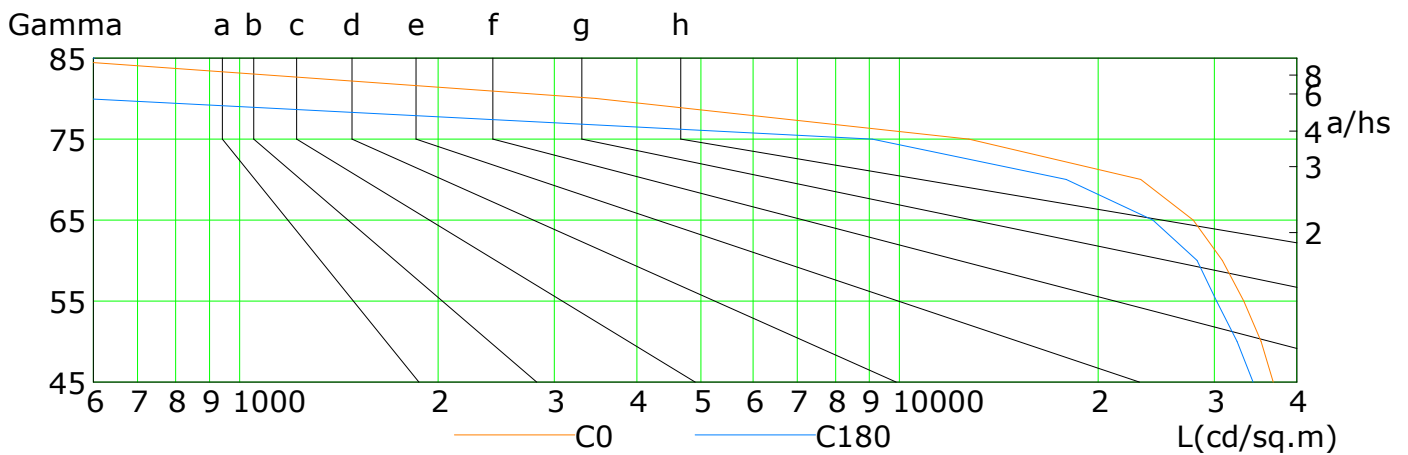
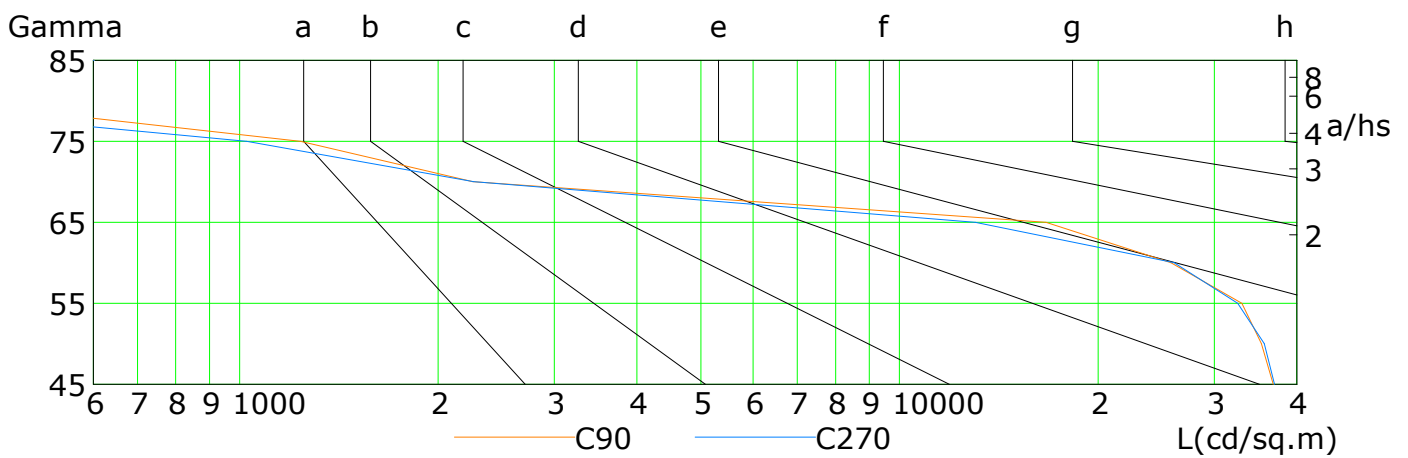
Humidity:

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 | 36865 | 35323 | 33254 | 30860 | 27879 | 23192 | 12733 | 3467 | 484 |
| C90 | 36841 | 35353 | 33033 | 25766 | 16671 | 2256 | 1237 | 345 | 0 |
| C180 | 34345 | 32494 | 30224 | 28255 | 24203 | 17887 | 9094 | 581 | 0 |
| C270 | 36993 | 35724 | 32556 | 26069 | 13032 | 2264 | 1026 | 227 | 0 |

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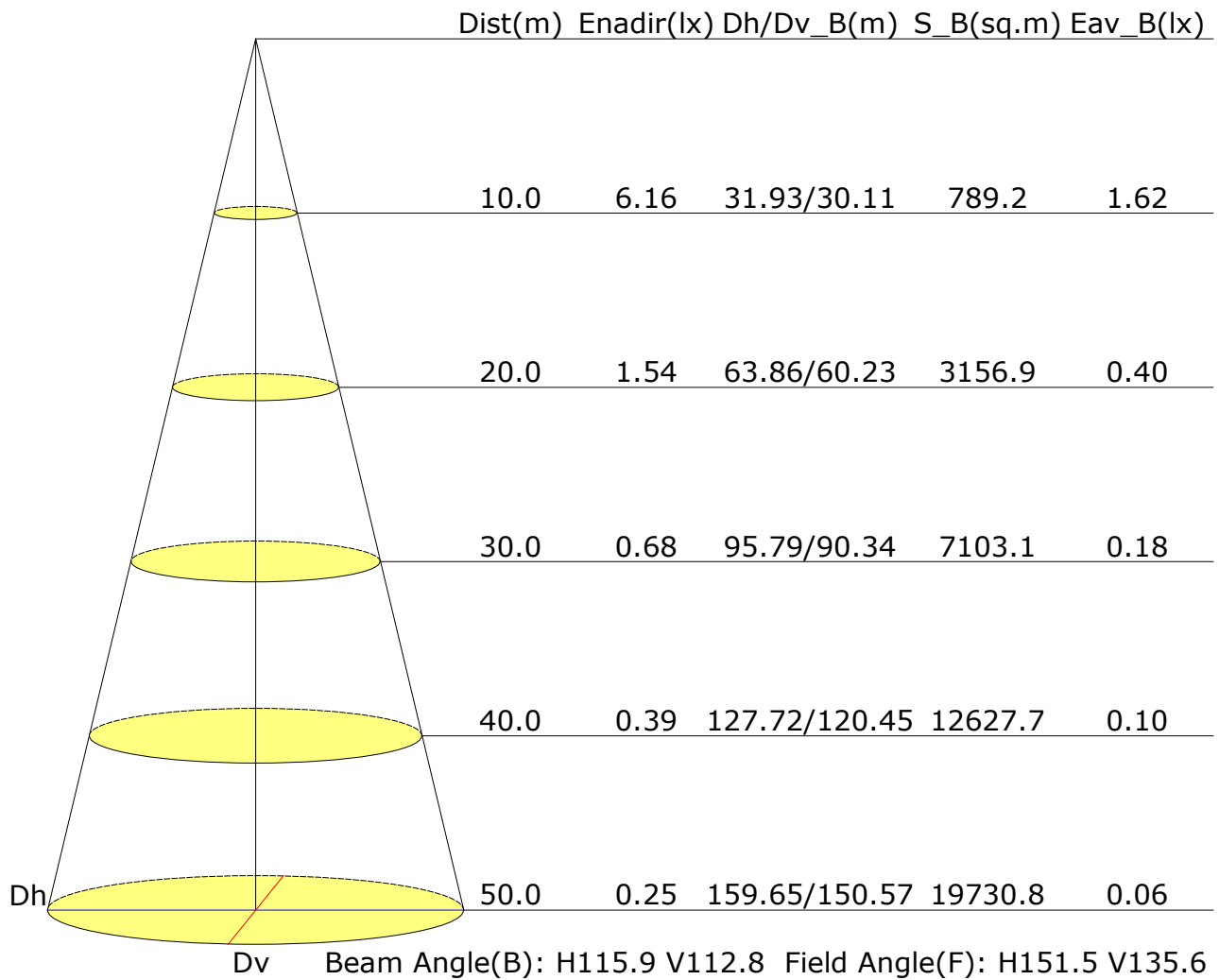
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: