

Report No.: 11.09.2017 12:39

Test Time: 11.09.2017 14:23

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FI 135 24LED 0,35A 37W Refond 70-75Lm 3000K

Lamp Description: LED

Luminous Length (mm): 1280

Luminous Width (mm): 135

Luminous Height (mm): 100

Voltage: 232.0 V

Current: 0.163 A

Power: 37.09 W

Power Factor: 0.975

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 4226.9 lm

Measurement Flux: 4226.9 lm

Efficiency: 100%

Downward Ratio: 94%

Upward Ratio: 6%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.1, 191.9, 180.4, 179.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 103.3, 120.2, 112.1, 111.7

Luminaire Efficacy Rating (LER): 114.01

Central Intensity: 1340.01 cd

Max. Intensity: 1349.8 cd

Pos of Max. Intensity: H67.5 V5

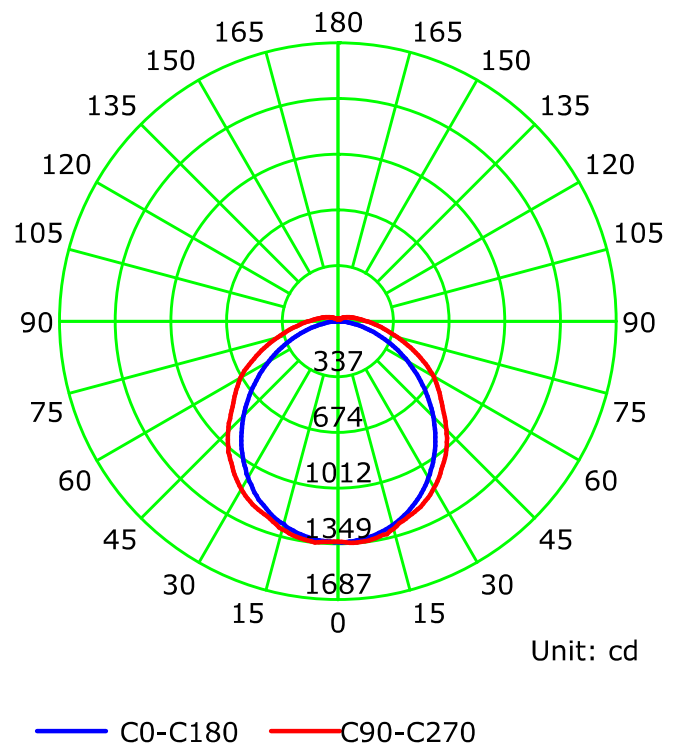
S/MH(C0/C180): 1.22

S/MH(C90/C270): 1.30

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 (°):0.0-180.0:1.0

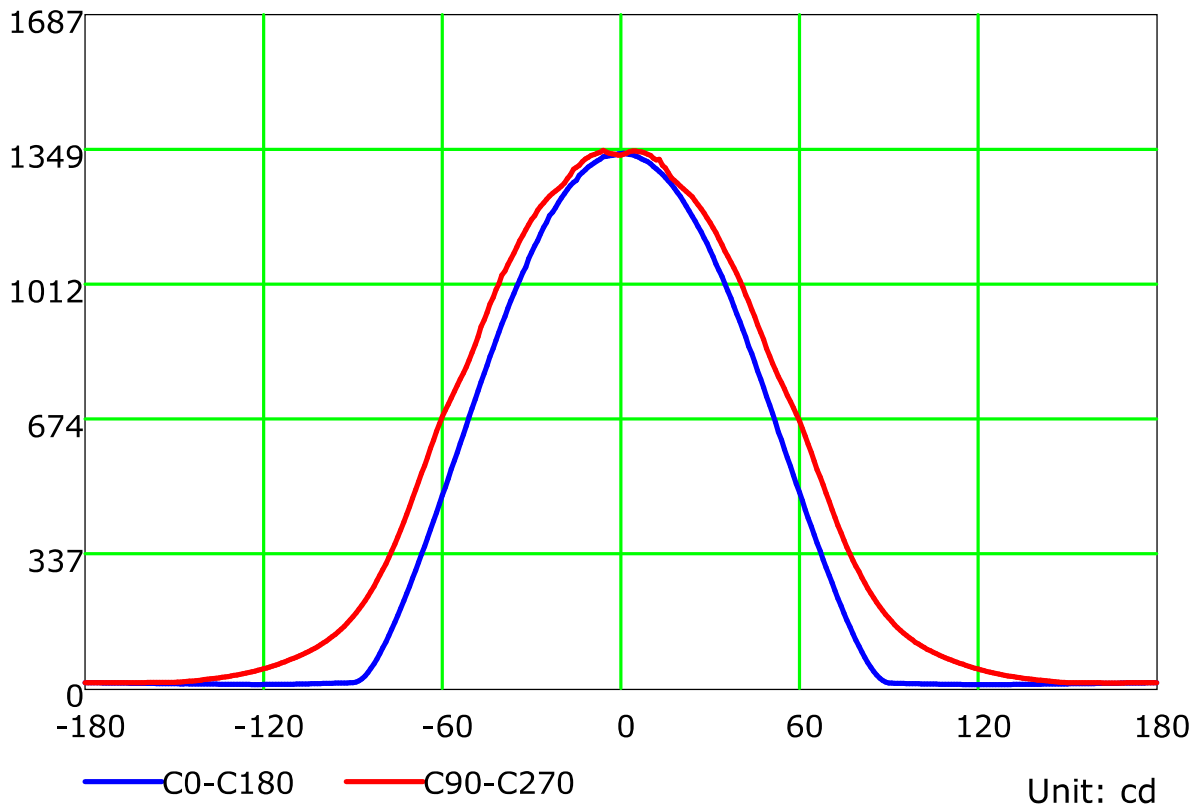
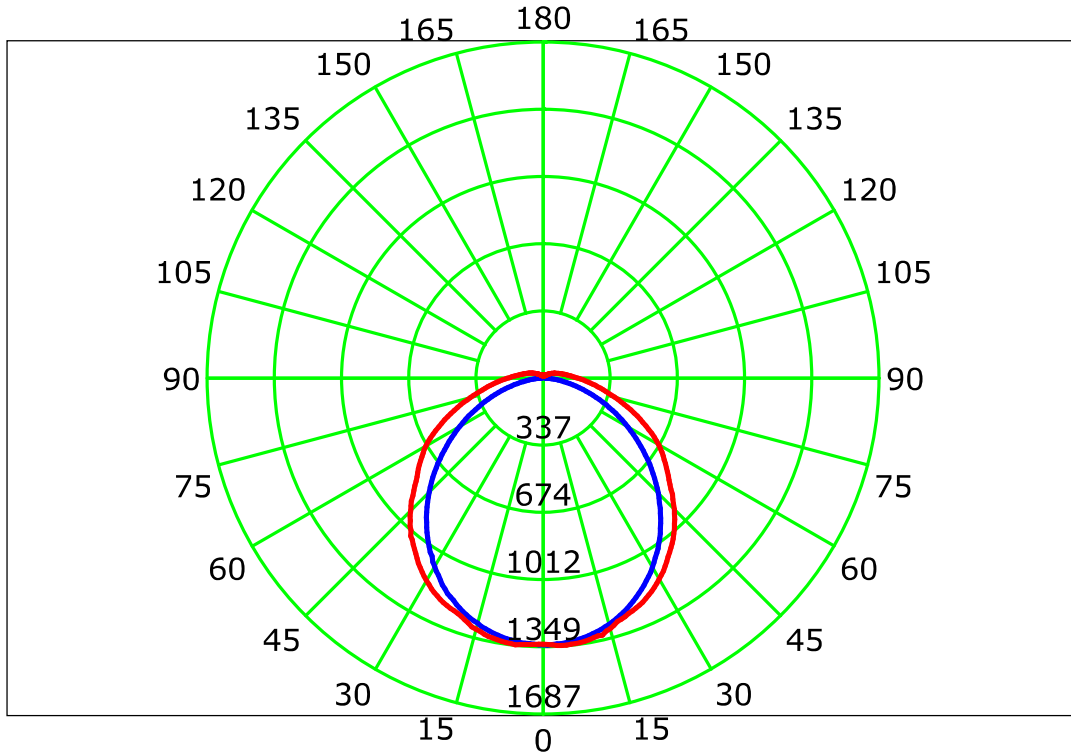
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

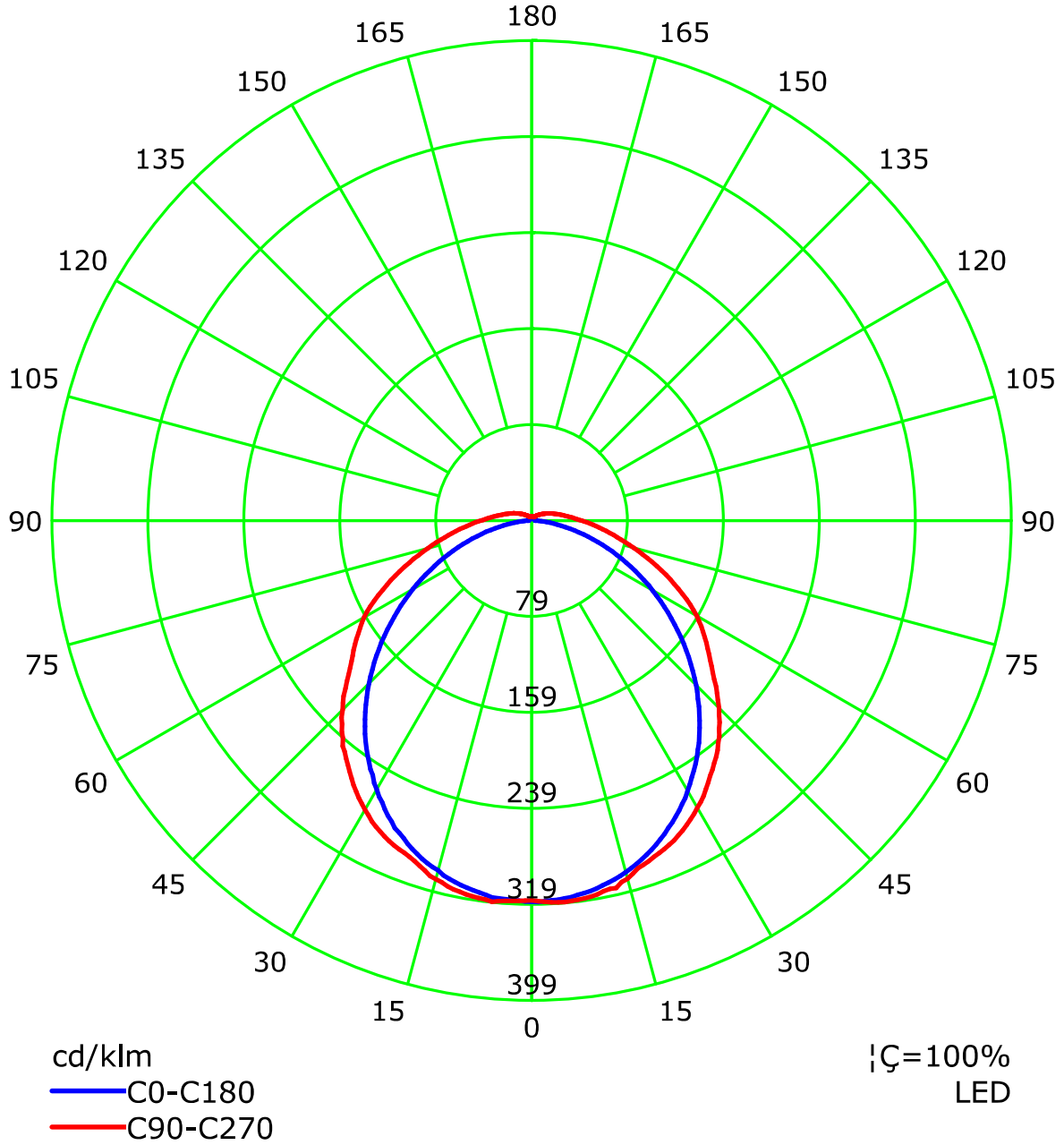
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: LSG-1800B  
 Distance: 12.606 m  
 Humidity:  
 Inspector:

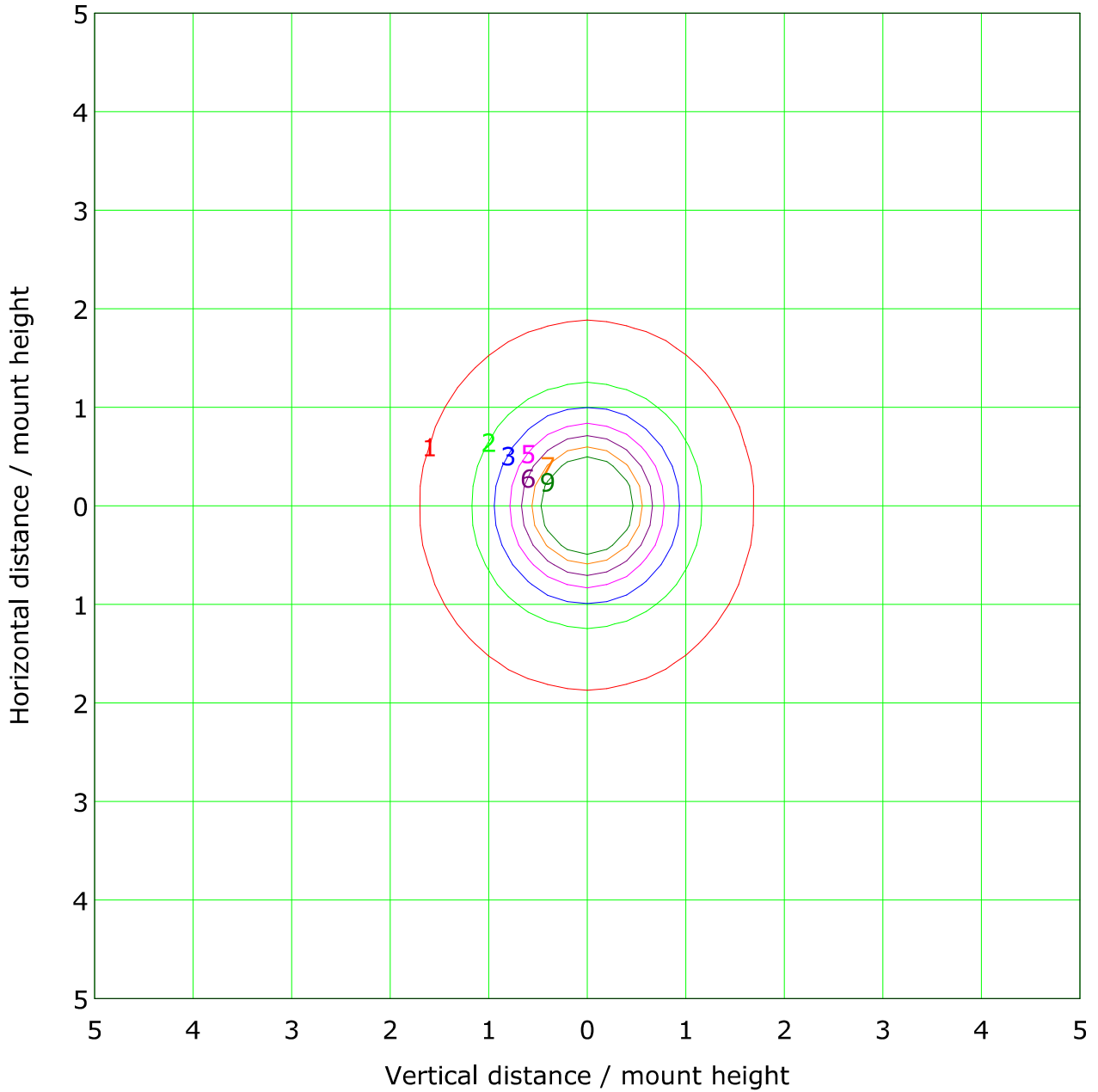
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: LSG-1800B  
Distance: 12.606 m  
Humidity:  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 13.4 lx

— ( 5%): 0.7 lx	— ( 15%): 2.0 lx
— ( 25%): 3.4 lx	— ( 35%): 4.7 lx
— ( 45%): 6.0 lx	— ( 55%): 7.4 lx
— ( 65%): 8.7 lx	

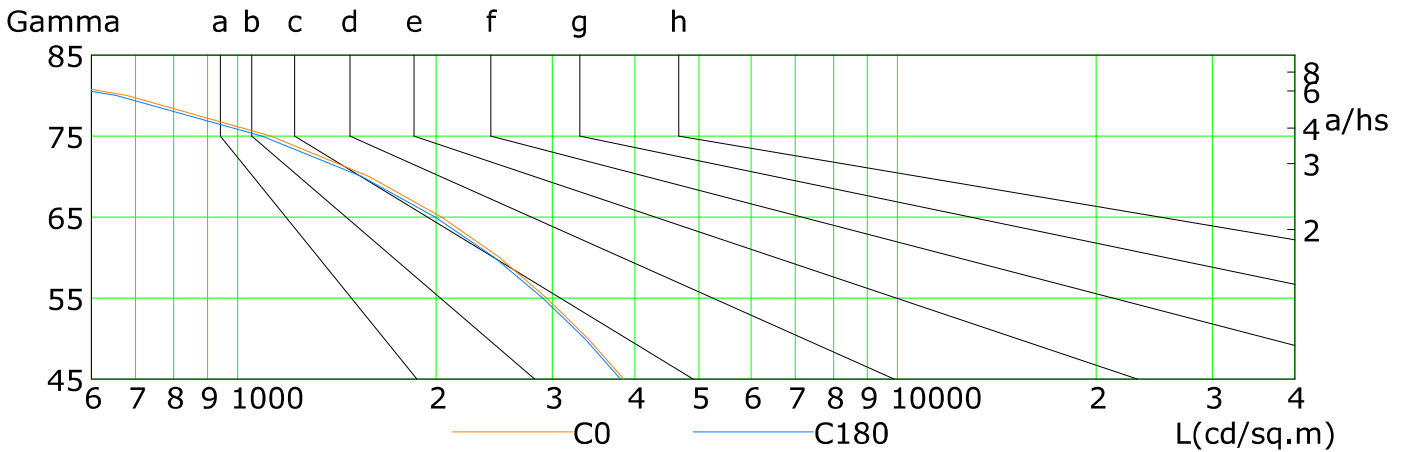
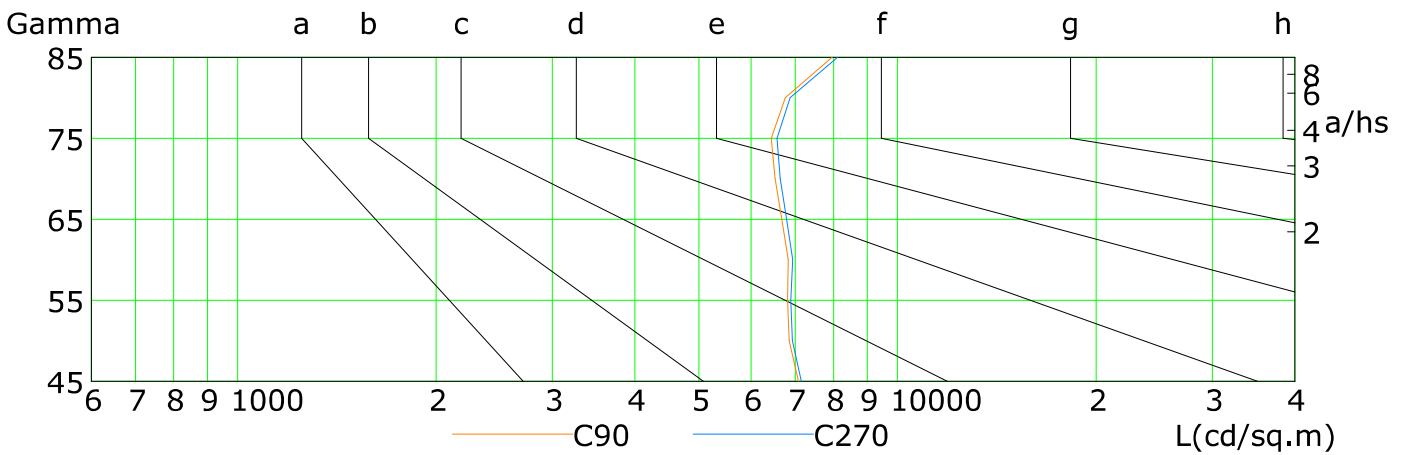
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: LSG-1800B  
Distance: 12.606 m  
Humidity:  
Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	3847	3393	2937	2494	2037	1582	1123	679	300
C90	7076	6853	6814	6831	6676	6527	6437	6761	7957
C180	3806	3357	2900	2451	1993	1541	1088	654	284
C270	7147	6929	6891	6940	6789	6643	6569	6874	8109

C Plane (°):0.0-360.0: 22.5  
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 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: LSG-1800B  
 Distance: 12.606 m  
 Humidity:  
 Inspector:

## Illuminance at a Distance

