

Report No: ORE LLD T3150

Test Time: 2018/7/21 21:07

## Luminaire Property

Luminaire Manufacturer: ORE LIGHTING INC

Luminaire Category: Type III -Medium

Lamp Catalog: SMD

Number of LEDs: 64

Luminous Length (mm): 240mm

Luminous Height (mm): 1.6mm

Current: 0.72 A

Power Factor: 0.99

Luminaire Description: ORE-LLD150

Lamp Description: 5050

Lumens per Lamp: 9400

Luminous Width (mm): 110mm

Voltage: 219v

Power: 153w

## Photometric Results

IES Classification: Type III

Total Rated Lumens: 18800 lm

Efficiency: 94%

Upward Ratio: 0.00%

Central Intensity: 5040.71 cd

Pos of Max. Intensity: H70 V69

Measurement Flux: 17601lm

Downward Ratio: 94%

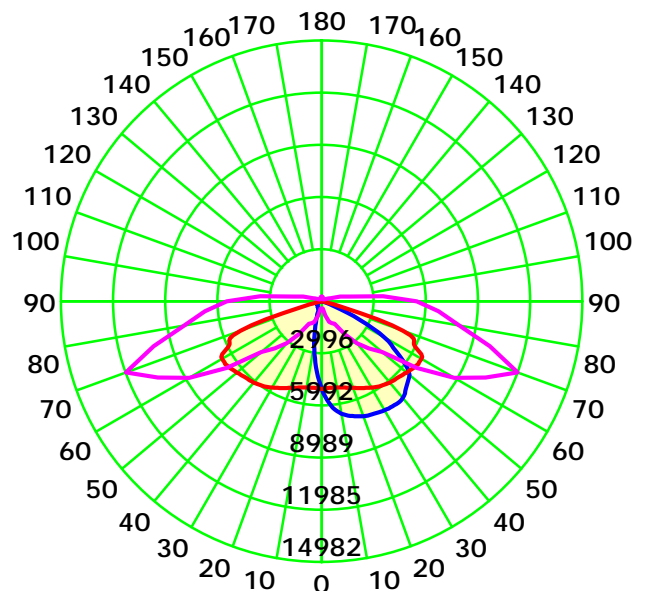
Luminaire Efficacy Rating (LER): 116

Max. Intensity: 11986 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 105.5°

— C0-C180 — C90-C270 — G69

C Plane (°):0.0-180.0: 10.0

Test Lab: ORE

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

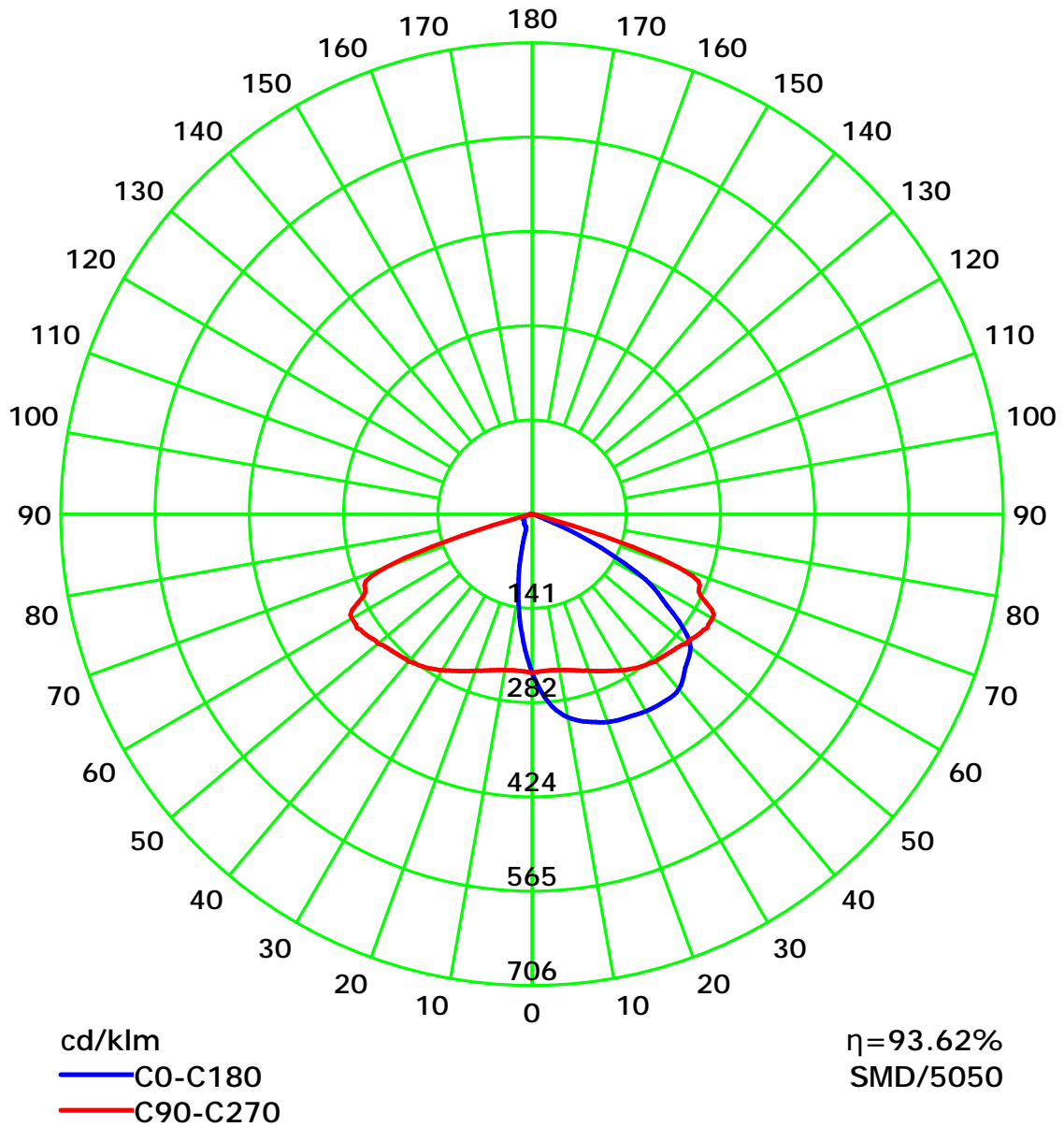
Test Device: GPM-1800B

Distance: 14.835 m

Humidity:

Inspector:

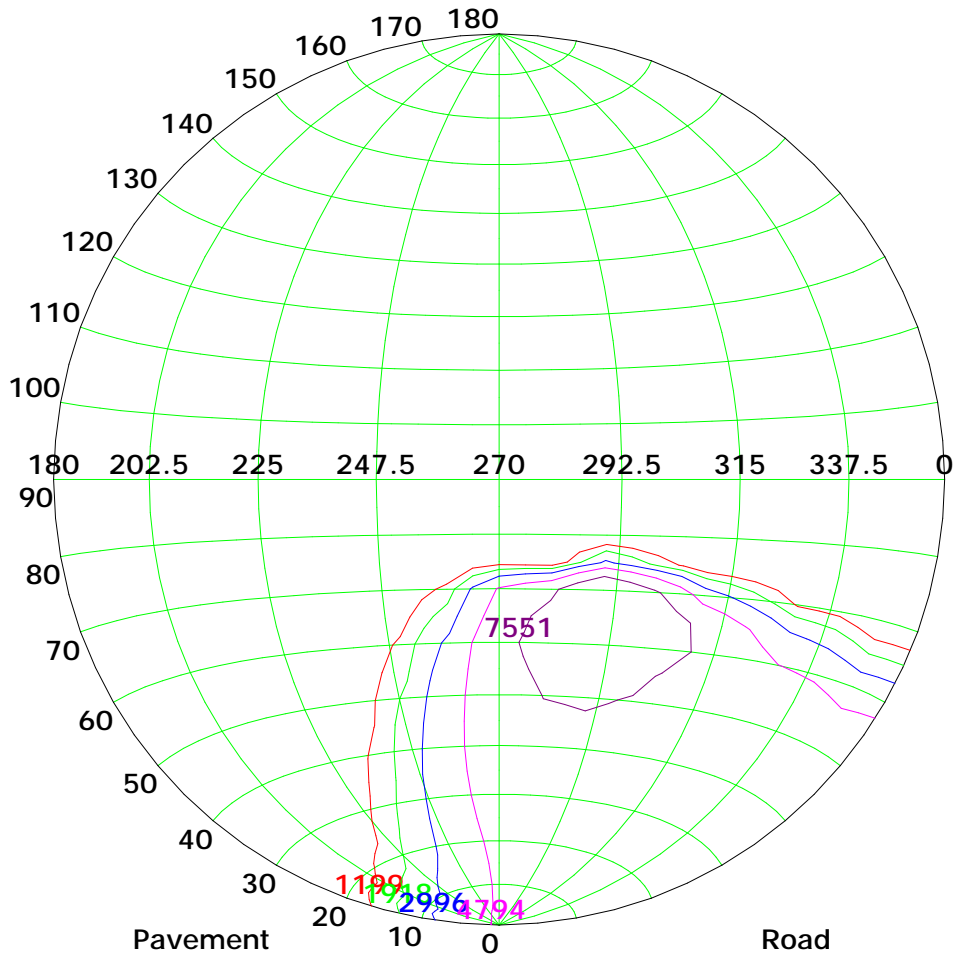
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



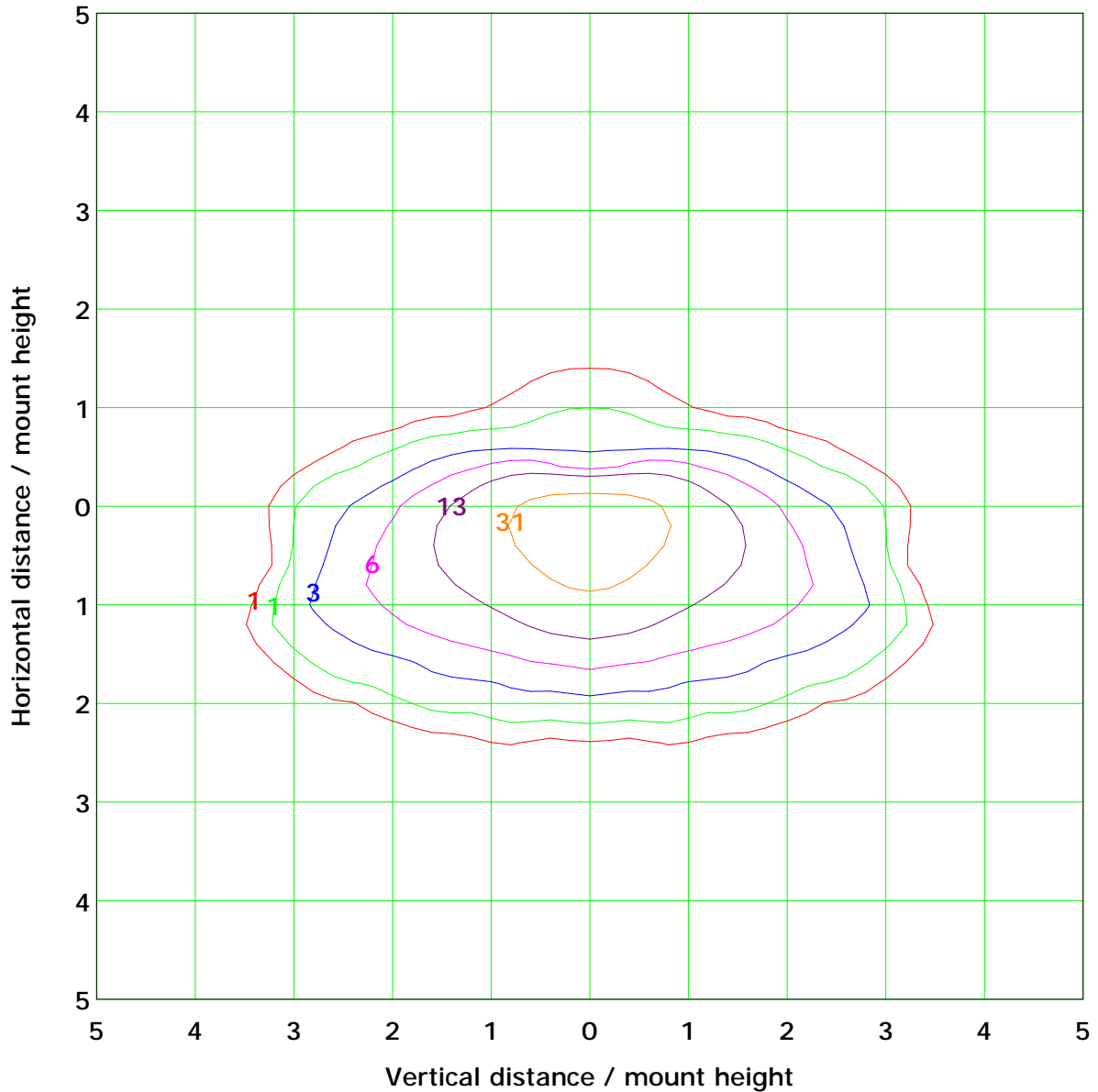
Imax (100%): 11986 cd

- |                   |                    |
|-------------------|--------------------|
| — ( 10%): 1199 cd | — ( 16%): 1918 cd  |
| — ( 25%): 2996 cd | — ( 40%): 4794 cd  |
| — ( 63%): 7551 cd | — (100%): 11986 cd |

C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## IsoLux Plot



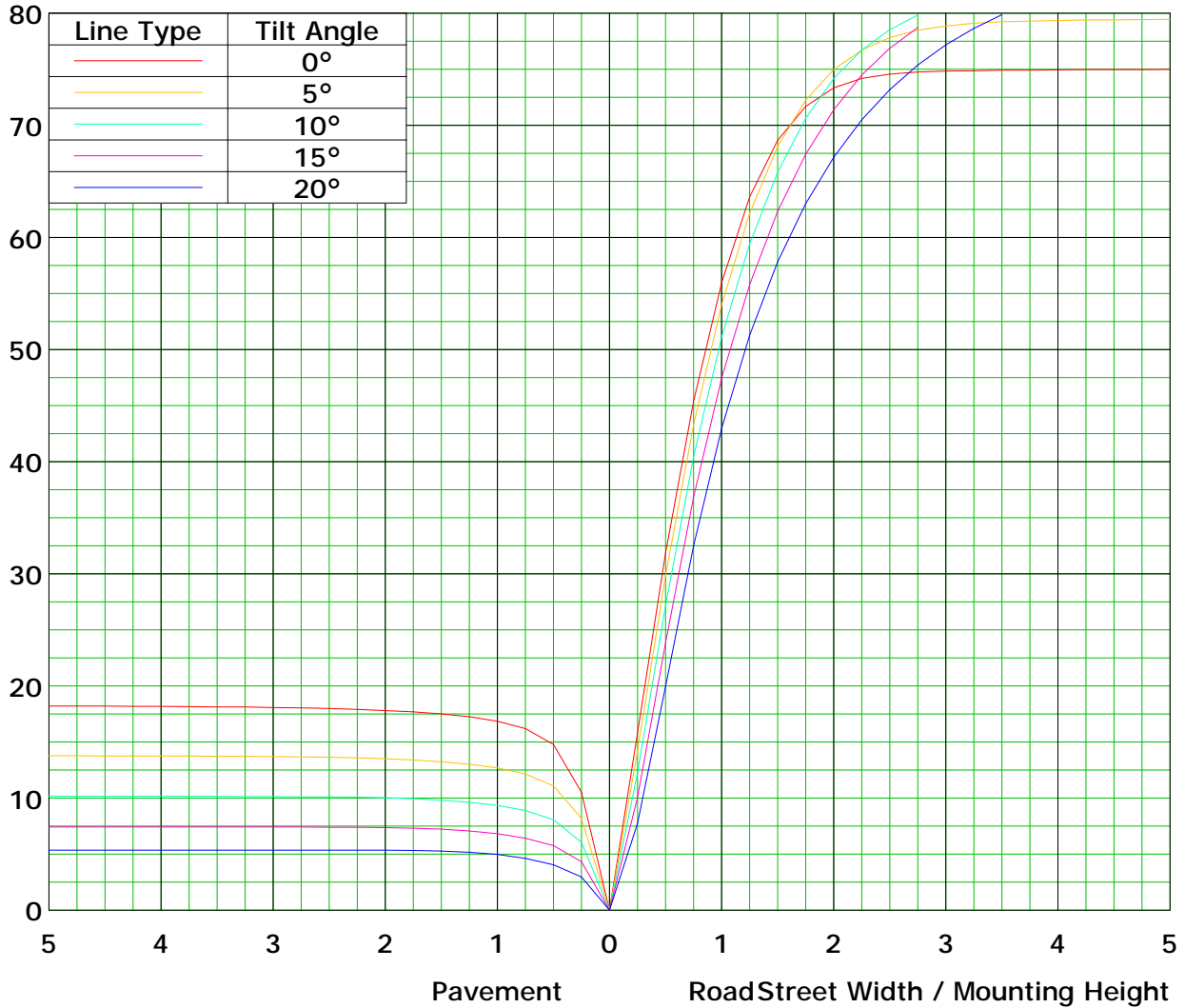
Mounting Height: 10.0m    Max Lux(100%): 62.9 lx	
— ( 1%): 0.6 lx	— ( 2%): 1.3 lx
— ( 5%): 3.1 lx	— ( 10%): 6.3 lx
— ( 20%): 12.6 lx	— ( 50%): 31.4 lx
— (100%): 62.9 lx	

C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



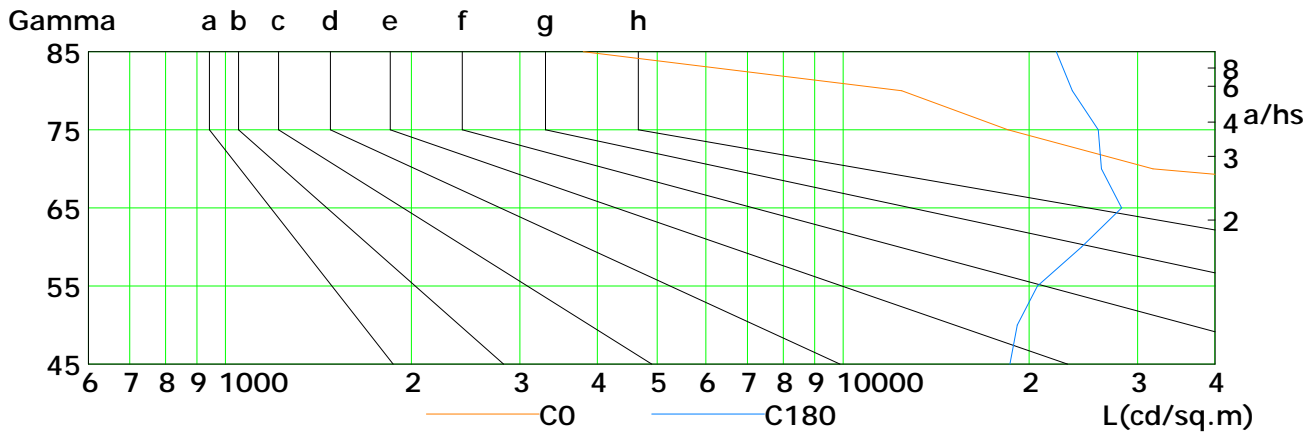
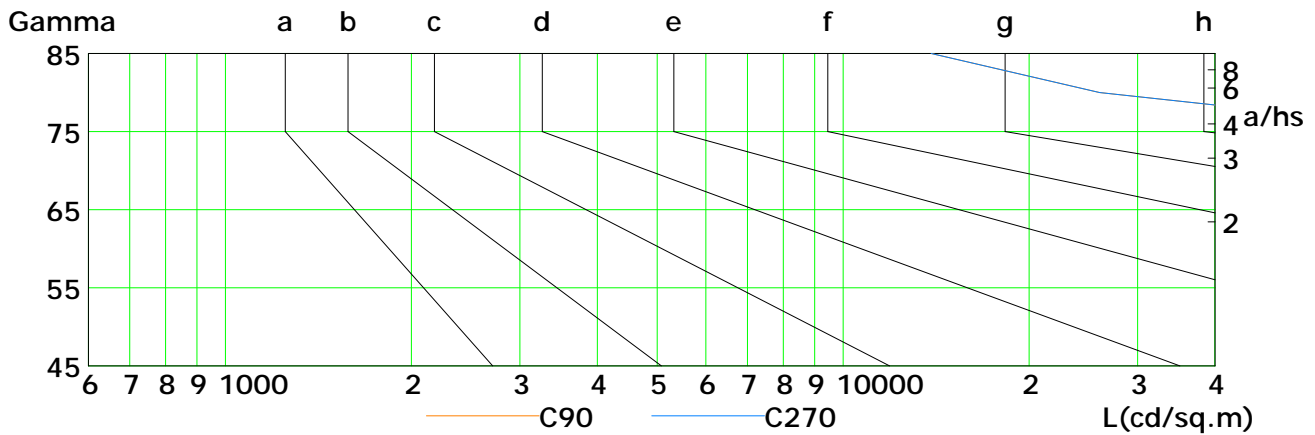
C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 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

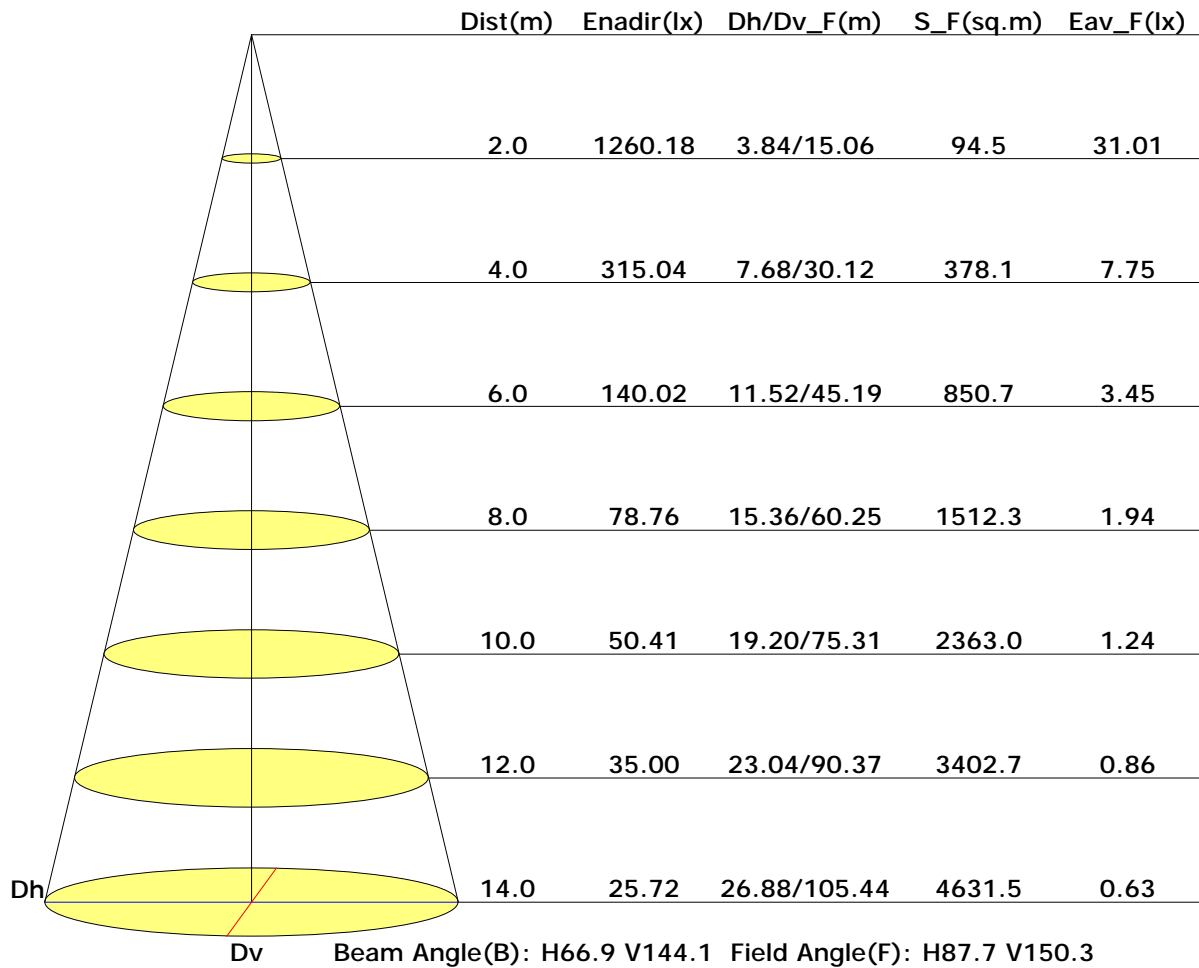


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	364319	380888	353738	307821	176434	31742	18495	12441	3798
C90	330287	374283	428911	495976	516870	542018	100686	26015	13886
C180	18618	19153	20637	24331	28257	26217	25881	23517	22158
C270	330287	374283	428911	495976	516870	542018	100686	26015	13886

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 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

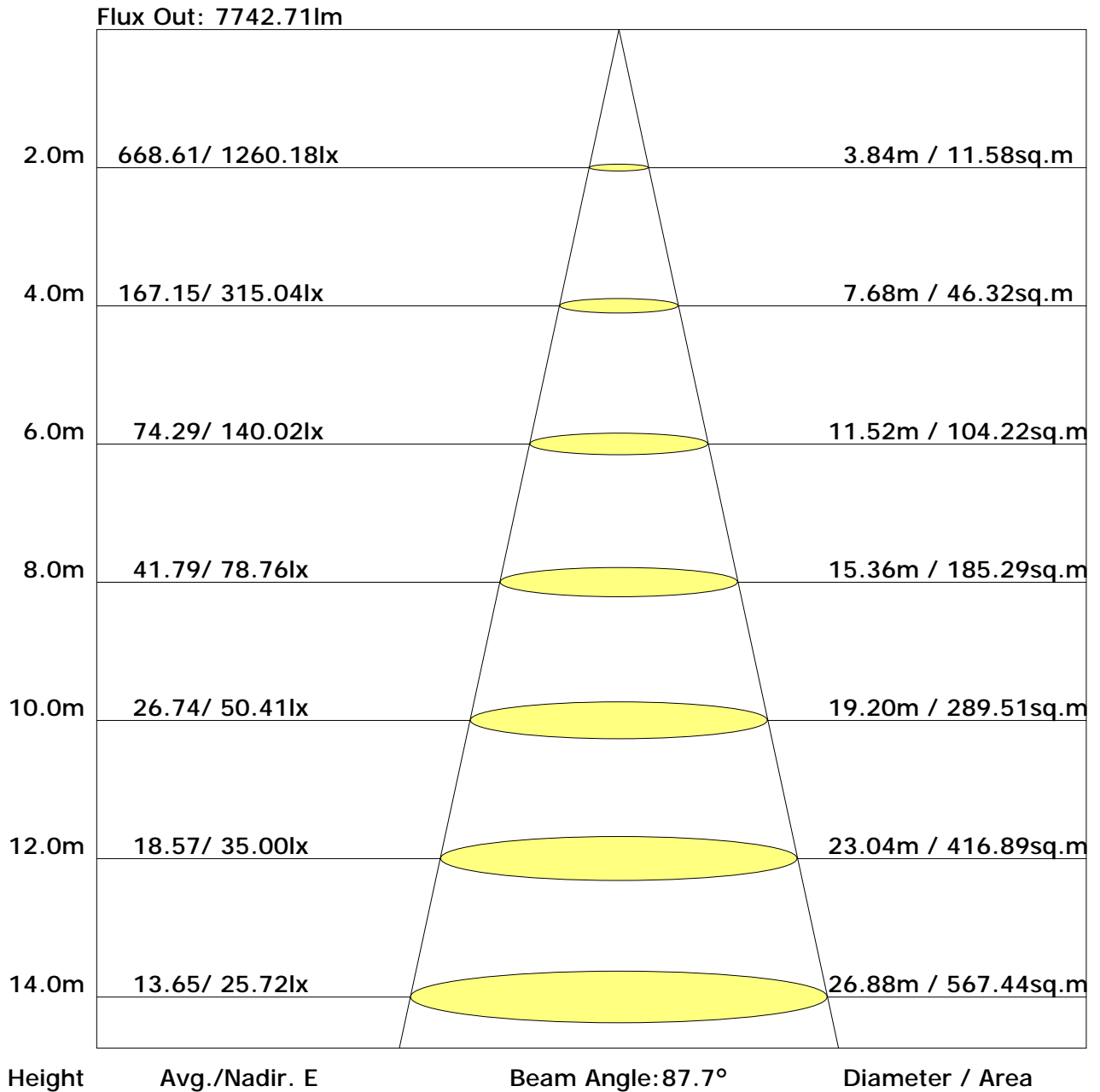
## Illuminance at a Distance



C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure

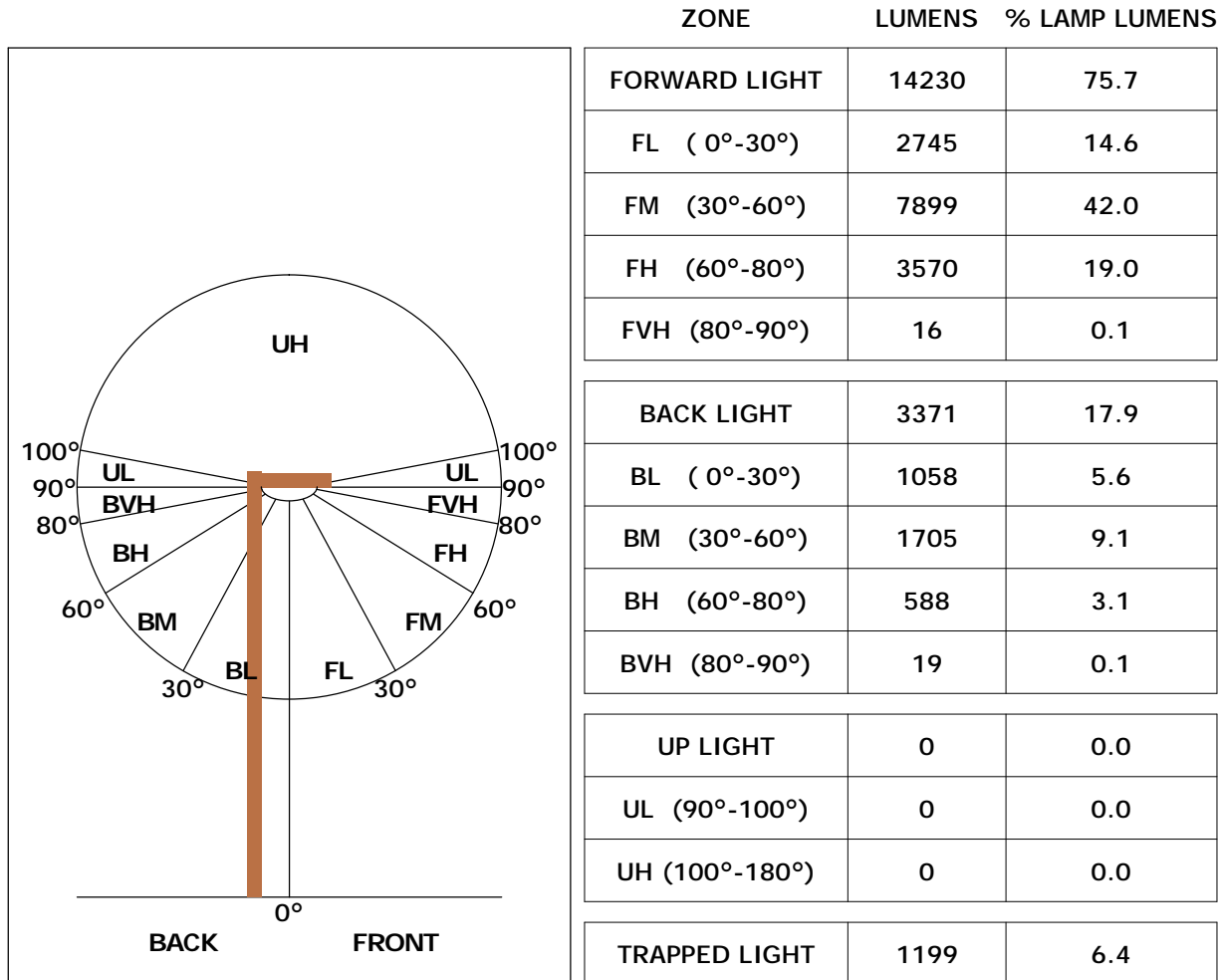


C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:



**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U1 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U1 G2

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