

Report No.: WPL-100w

Test Time: 2018/12/09 12:13

## Luminaire Property

Luminaire Manufacturer: ORE LIGHTING INC

Luminaire Category: WPL-100w

Lamp Catalog: SMD

Number of Lamps: 1

Luminous Length (mm): 240mm

Luminous Height (mm): 1.6mm

Current: 0.485 A

Power Factor: 0.987

Luminaire Description: ORE-WPL100

Lamp Description: 5050

Lumens per Lamp: 14000/100w

Luminous Width (mm): 140mm

Voltage: 218.8 V

Power: 104.60 W

## Photometric Results

IES Classification: Type III

Total Rated Lamp Lumens: 14000 lm

Efficiency: 93.65%

Upward Ratio: 0.00%

Central Intensity: 2596.72 cd

Pos of Max. Intensity: H70 V58

Longitudinal Classification: Short

Measurement Flux: 13110.6 lm

Downward Ratio: 93.65%

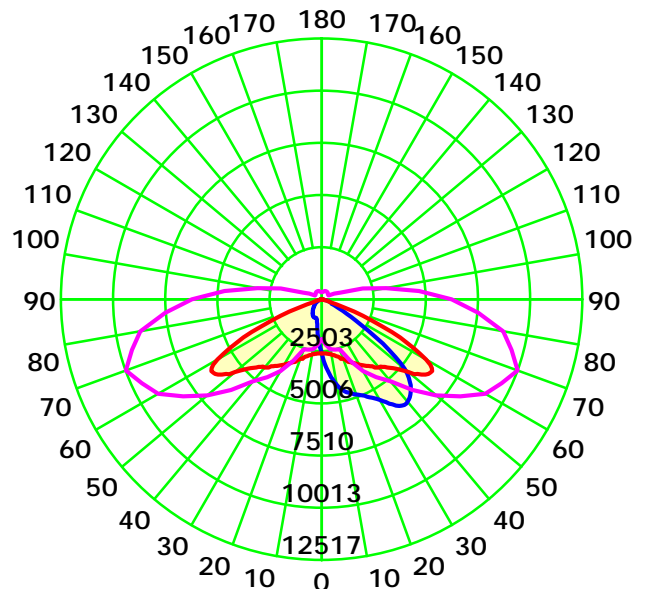
Luminaire Efficacy Rating (LER): 125.39

Max. Intensity: 10013.73 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 95.3°

— C0-C180 — C90-C270 — G58

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

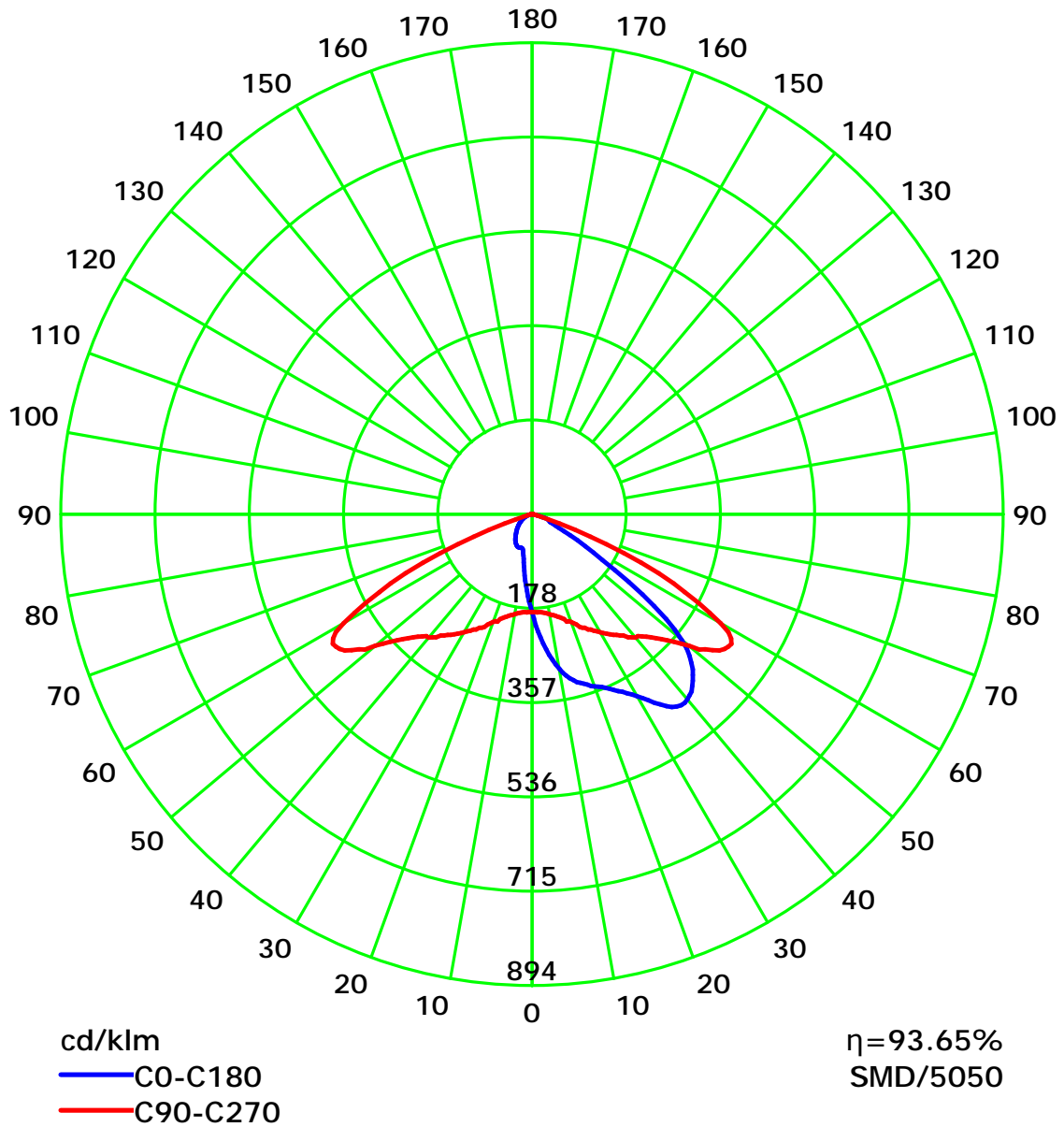
Test Device: GPM-1800B

Distance: 14.835 m

Humidity:

Inspector:

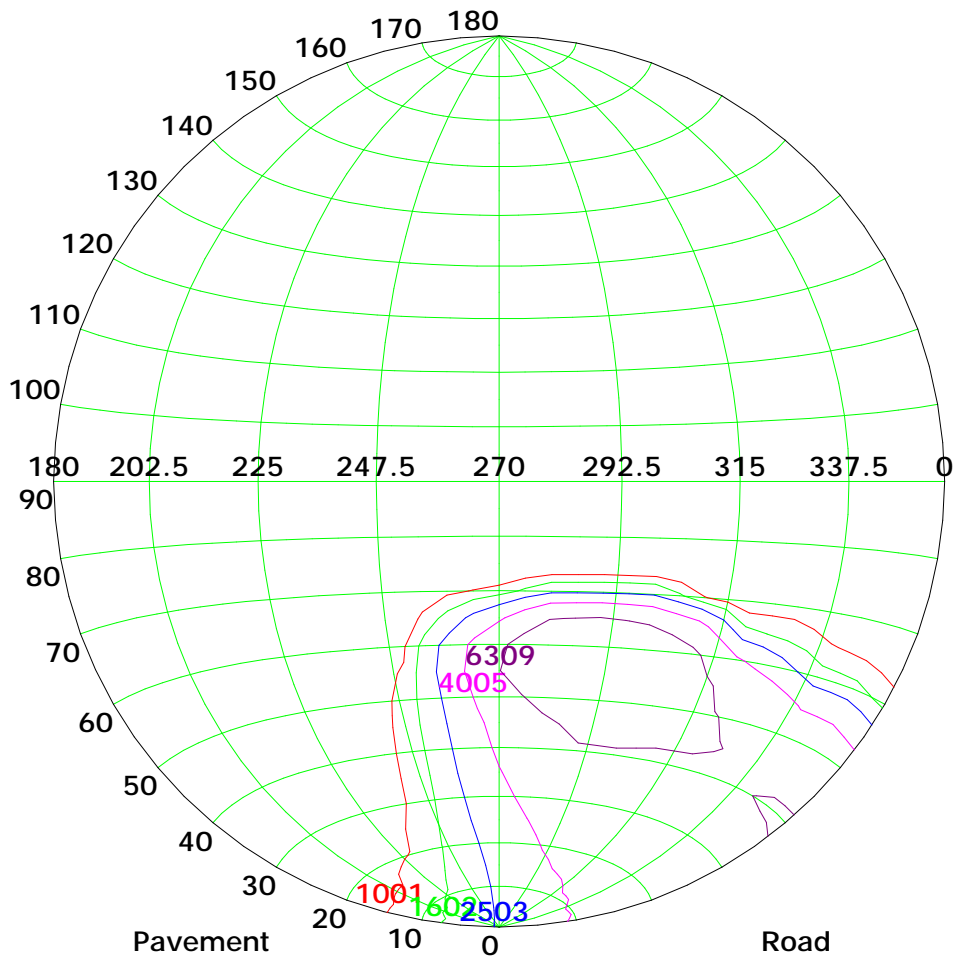
## Luminous Intensity Distribution Curve(cd/klm)



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)



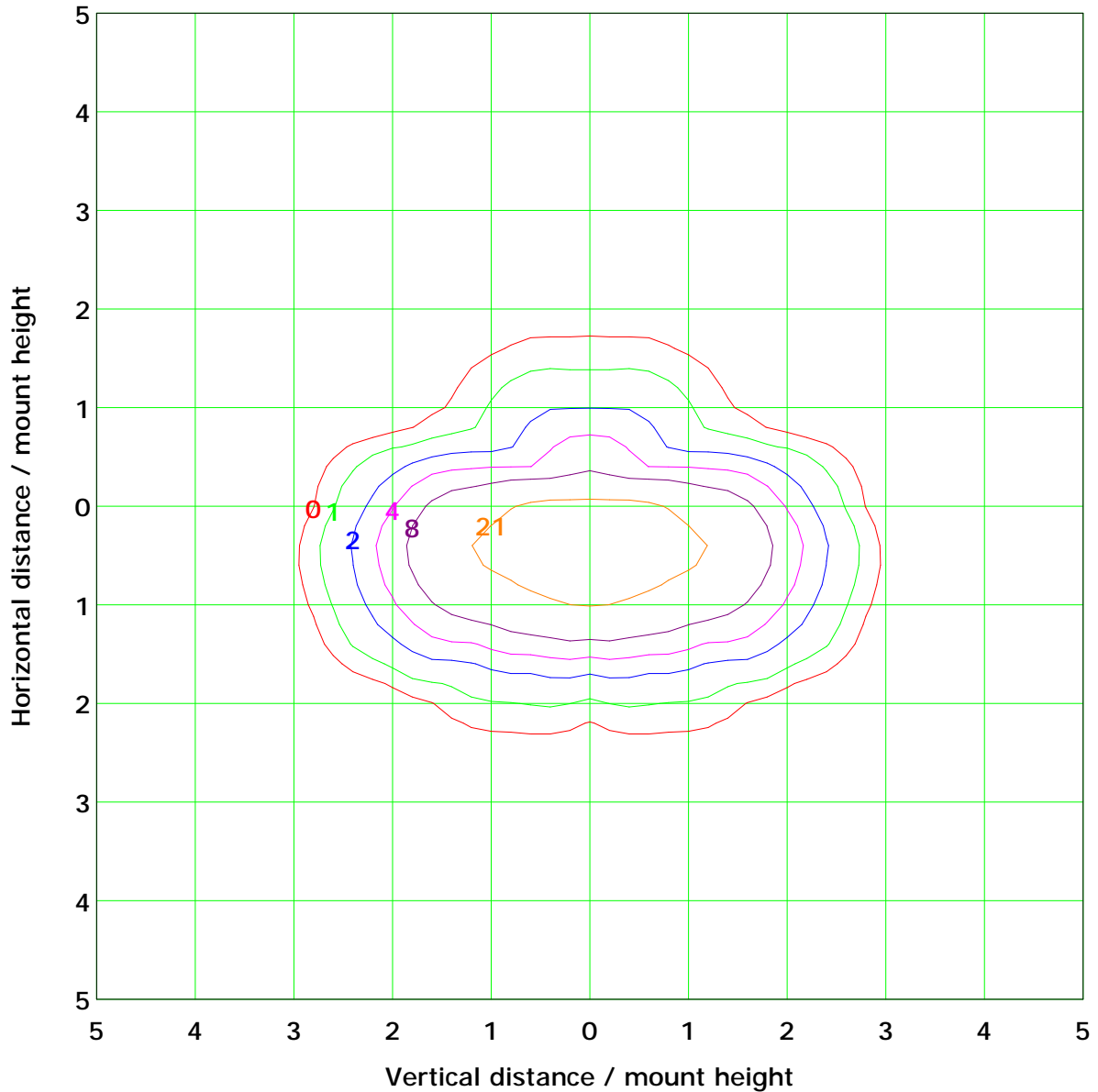
Imax (100%): 10014 cd

- |                   |                    |
|-------------------|--------------------|
| — ( 10%): 1001 cd | — ( 16%): 1602 cd  |
| — ( 25%): 2503 cd | — ( 40%): 4005 cd  |
| — ( 63%): 6309 cd | — (100%): 10014 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



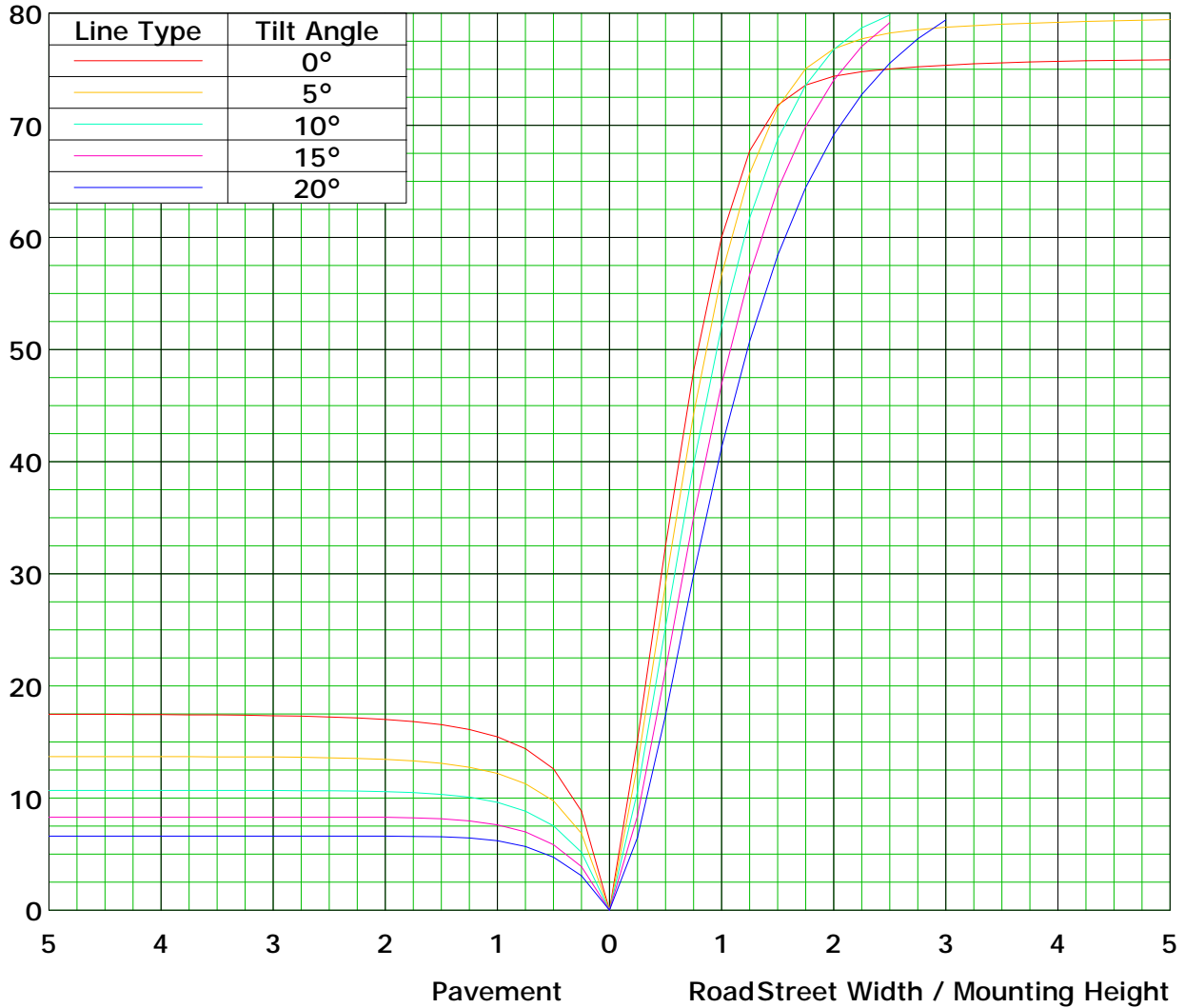
<b>Mounting Height: 10.0m    Max Lux(100%): 41.7 lx</b>	
— ( 1%): 0.4 lx	— ( 2%): 0.8 lx
— ( 5%): 2.1 lx	— ( 10%): 4.2 lx
— ( 20%): 8.3 lx	— ( 50%): 20.8 lx
— (100%): 41.7 lx	

C Plane (°):0.0-180.0: 10.0  
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 Operator:

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

## Roadway CU Curve

Efficiency(%)



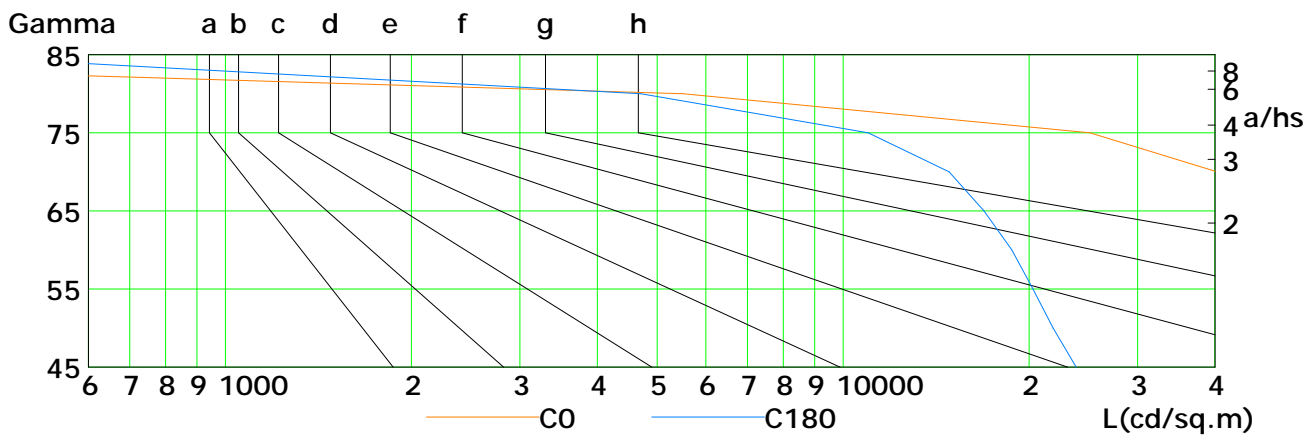
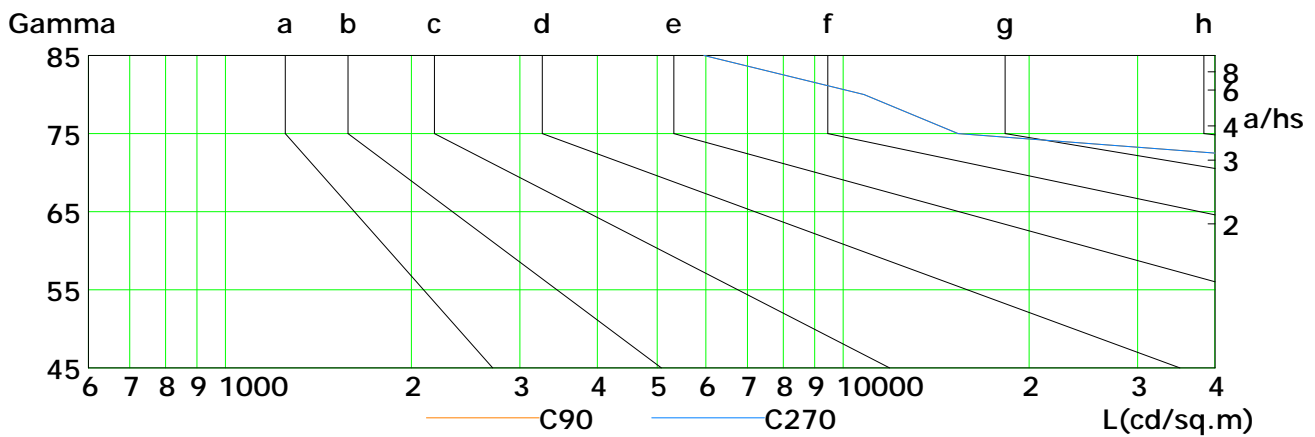
C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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

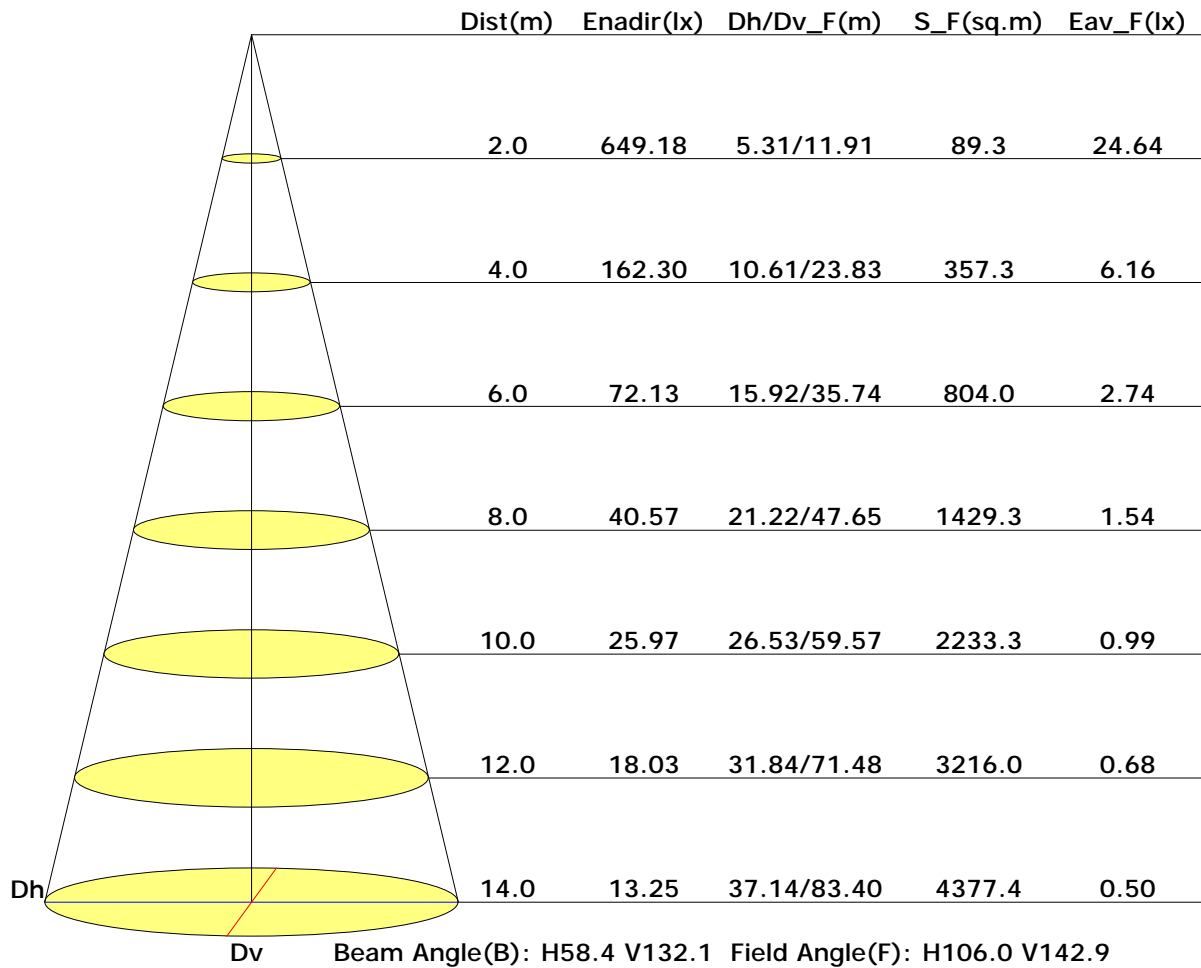


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	251547	237381	160164	81505	41106	40350	25089	5510	44
C90	194565	249807	321030	340712	258139	104494	15355	10806	5958
C180	23858	21891	20298	18760	16916	14850	10984	4708	333
C270	194565	249807	321030	340712	258139	104494	15355	10806	5958

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 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

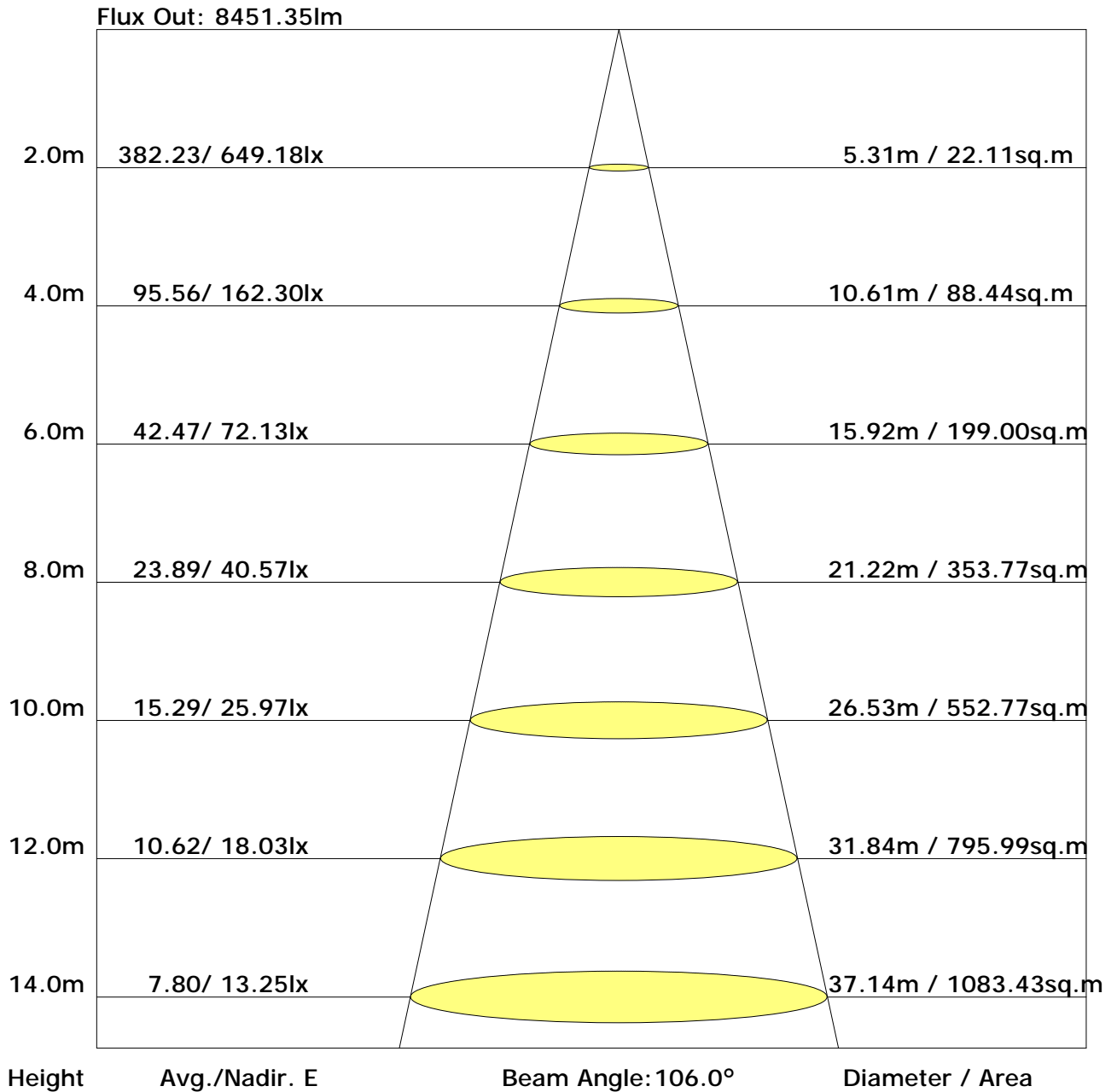
## Illuminance at a Distance



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

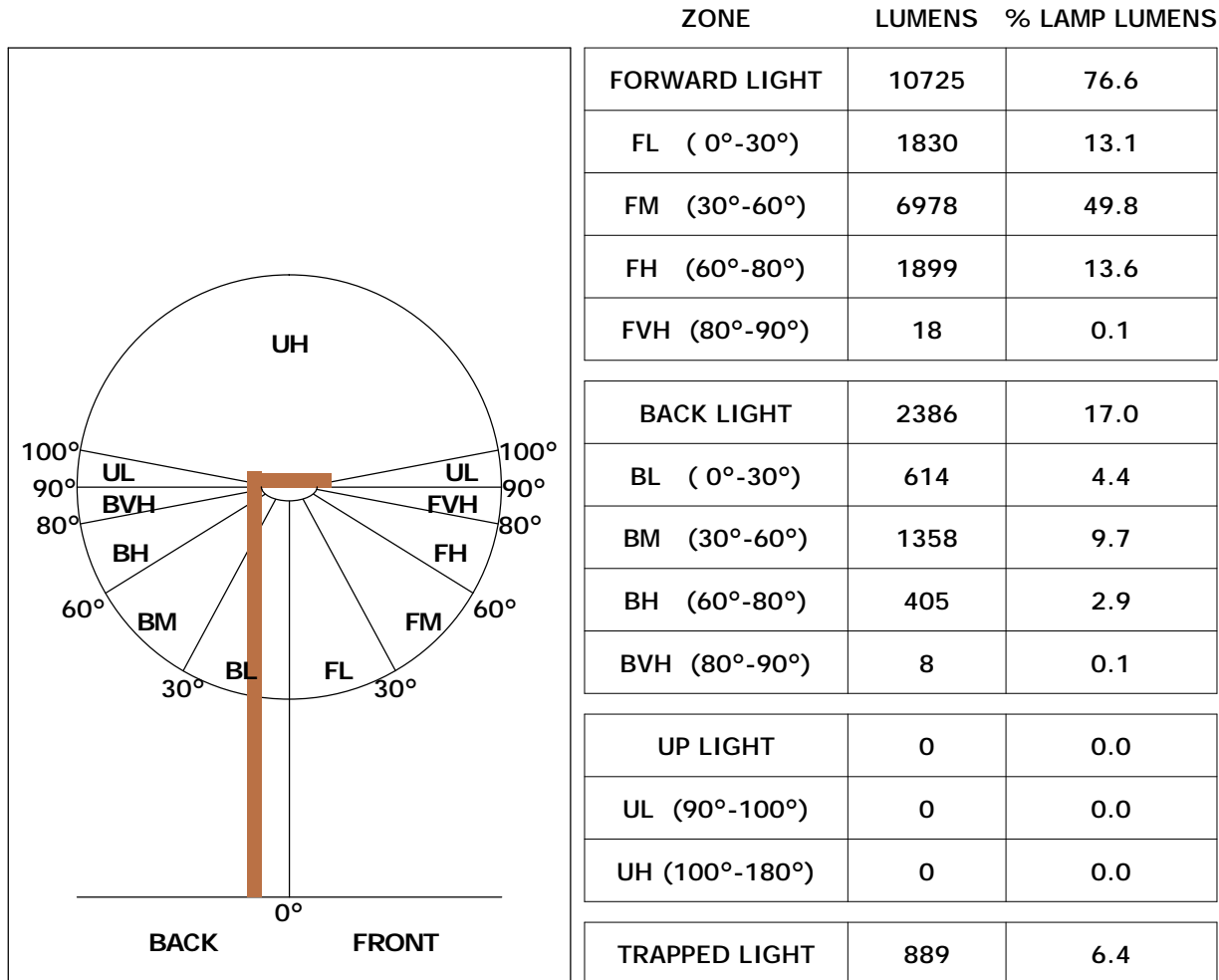


C Plane (°):0.0-180.0: 10.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
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Gamma Plane (°):0.0-180.0:1.0  
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**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U1 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U1 G2

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