

Report No: SV-LLD-T3100

Test Time: 2018/9/7 16:32

Luminaire Property

| | |
|---|------------------------------------|
| Luminaire Manufacturer: ORE LIGHTING INC | Luminaire Description: SV-LLD-100W |
| Luminaire Category: TypeIII -Medium -100W | Lamp Description: V18 |
| Lamp Catalog: COB | Lumens per Lamp: 6250/50w |
| Number of Lamps: 2 | Luminous Width (mm): 18mm |
| Luminous Length (mm): 18mm | Voltage: 219V |
| Luminous Height (mm): 1.6mm | Power: 106W |
| Current: 0.5 A | |
| Power Factor: 0.99 | |

Photometric Results

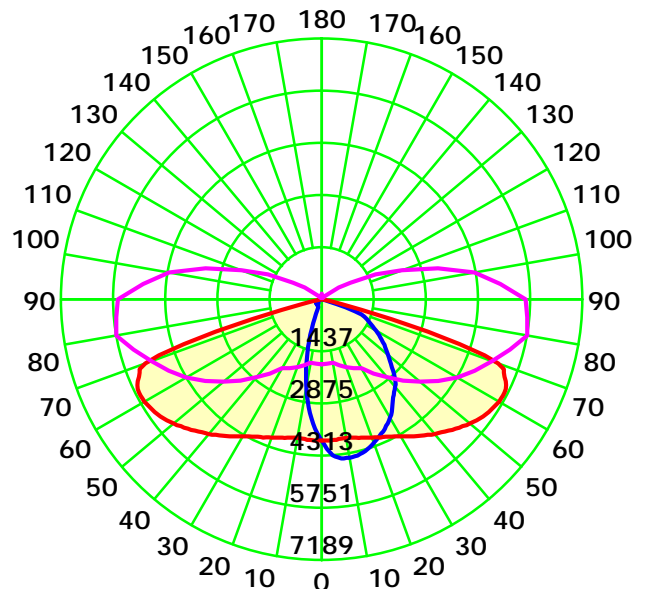
IES Classification: Type III
 Total Rated Lamp Lumens: 12500lm
 Efficiency: 93%
 Upward Ratio: 0.00%
 Central Intensity: 3891 cd
 Pos of Max. Intensity: H80 V59

Longitudinal Classification: Short
 Measurement Flux: 11564lm
 Downward Ratio: 93%
 Luminaire Efficacy Rating (LER): 110
 Max. Intensity: 5752 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



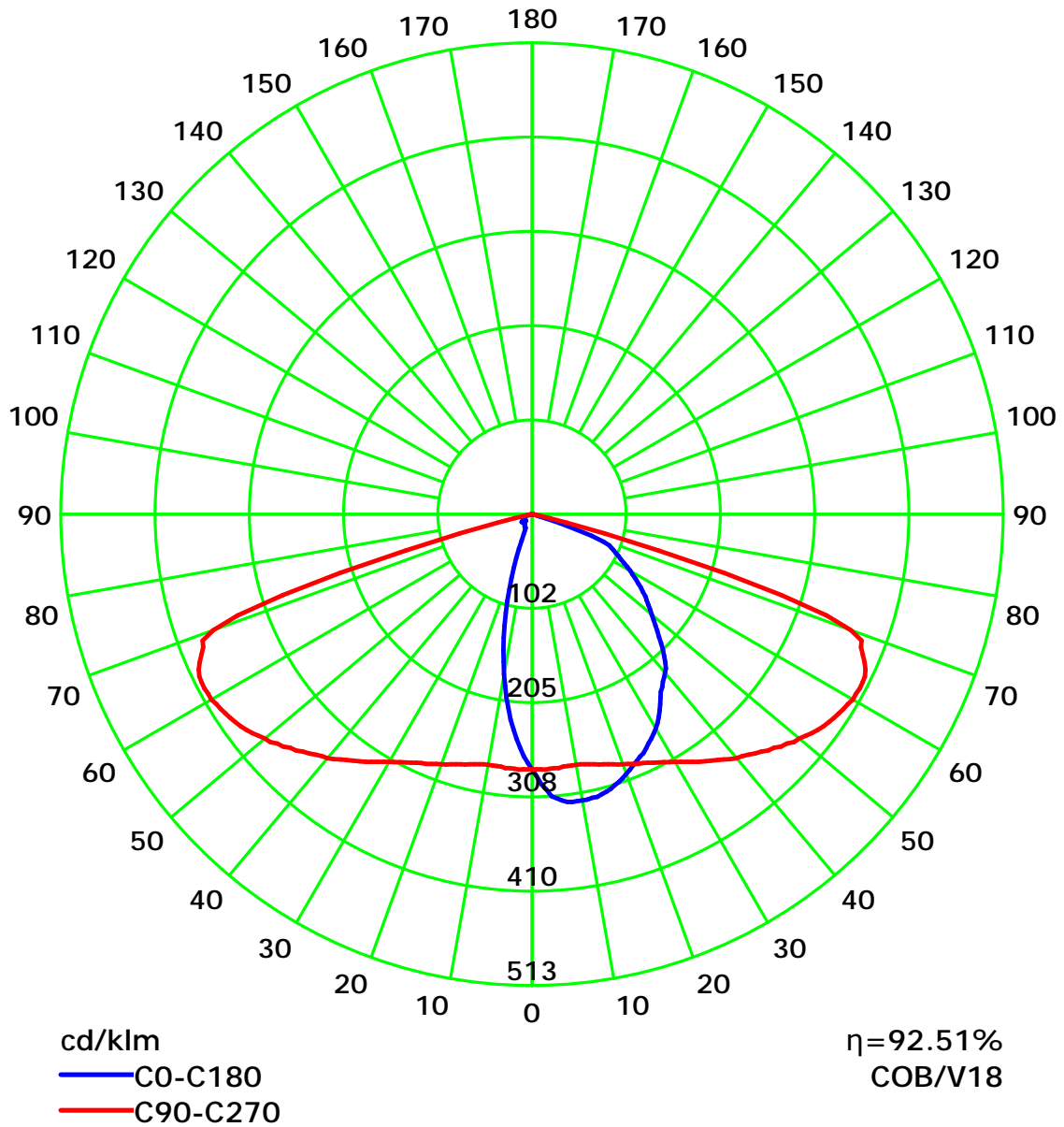
Unit: cd
 Average Diffuse Angle(50%): 105.3°

— C0-C180 — C90-C270 — G59

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:

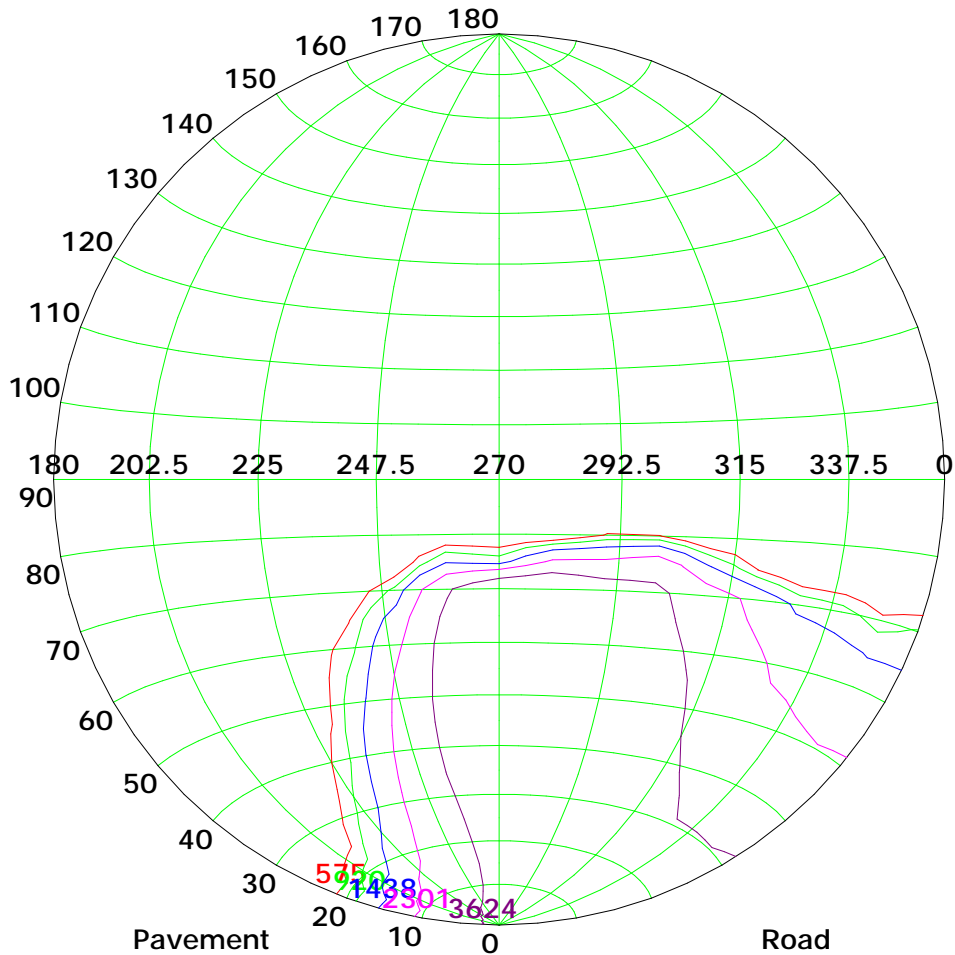
Luminous Intensity Distribution Curve(cd/klm)



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Isocandela (sphere)



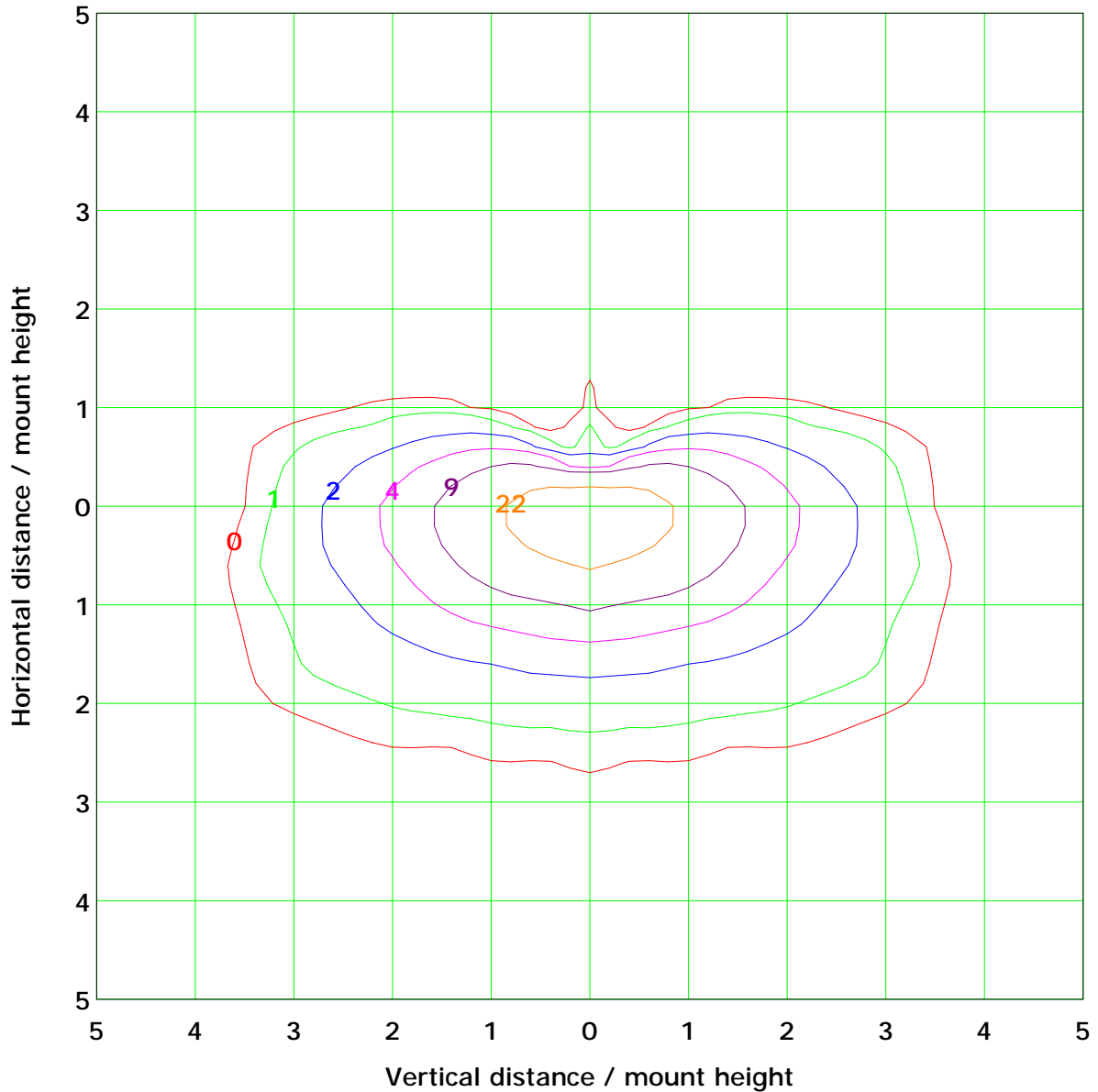
I_{max} (100%): 5752 cd

| | |
|-------------------|-------------------|
| — (10%): 575 cd | — (16%): 920 cd |
| — (25%): 1438 cd | — (40%): 2301 cd |
| — (63%): 3624 cd | — (100%): 5752 cd |

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IsoLux Plot



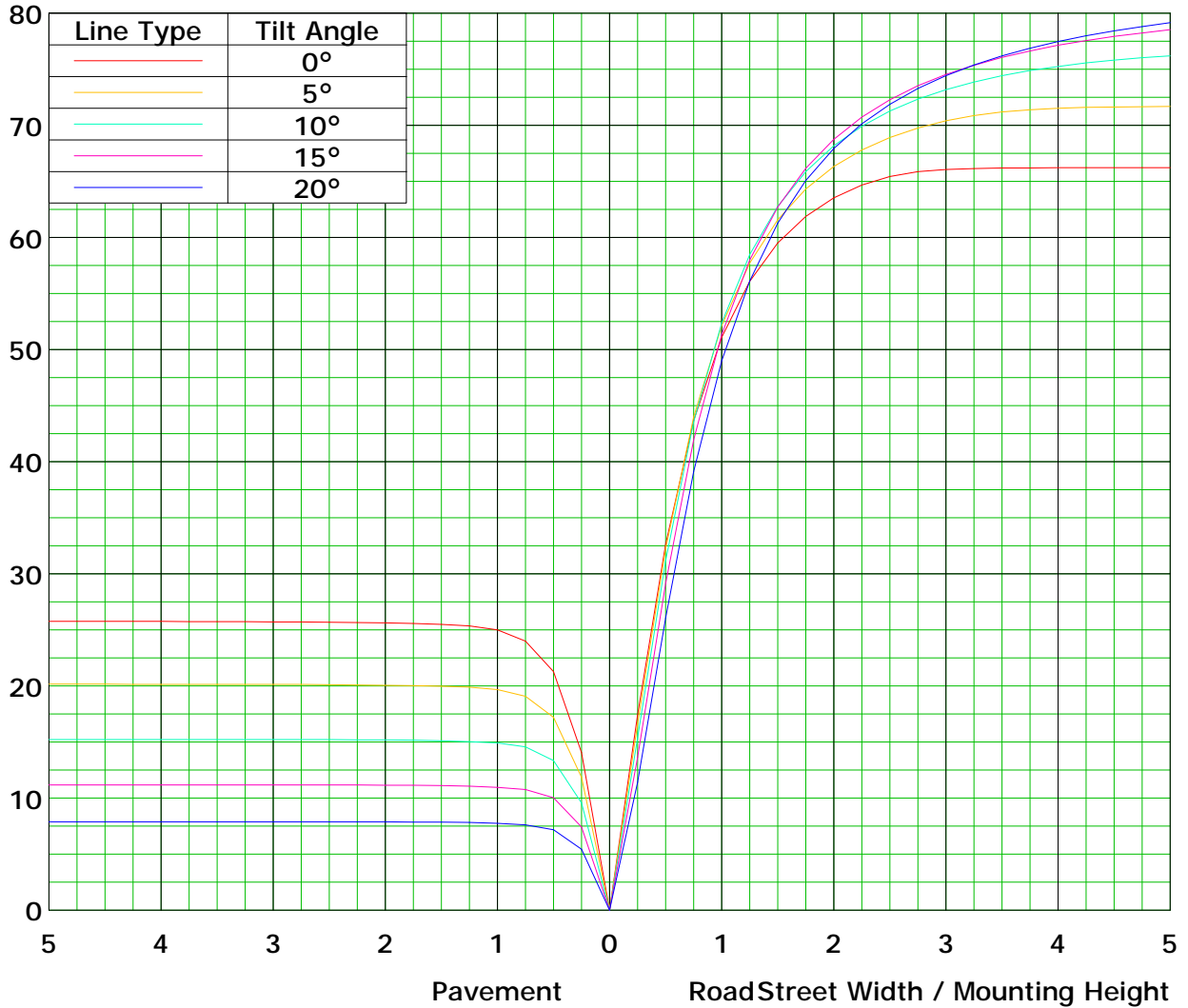
| | | | |
|---|---|------------------------|--|
| Mounting Height: 10.0m | | Max Lux(100%): 43.4 lx | |
| <ul style="list-style-type: none"> — (1%): 0.4 lx — (5%): 2.2 lx — (20%): 8.7 lx — (100%): 43.4 lx | <ul style="list-style-type: none"> — (2%): 0.9 lx — (10%): 4.3 lx — (50%): 21.7 lx | | |

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Roadway CU Curve

Efficiency(%)



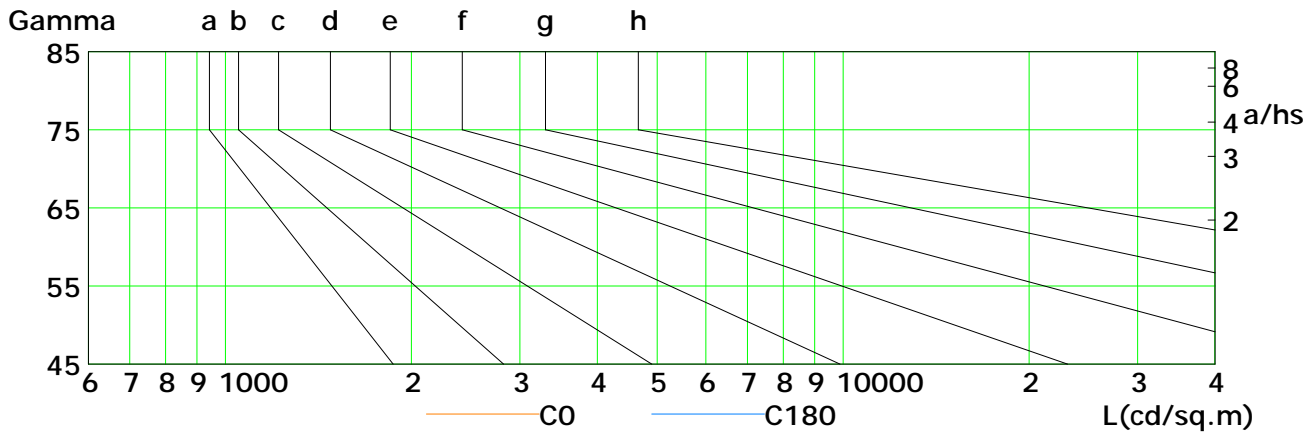
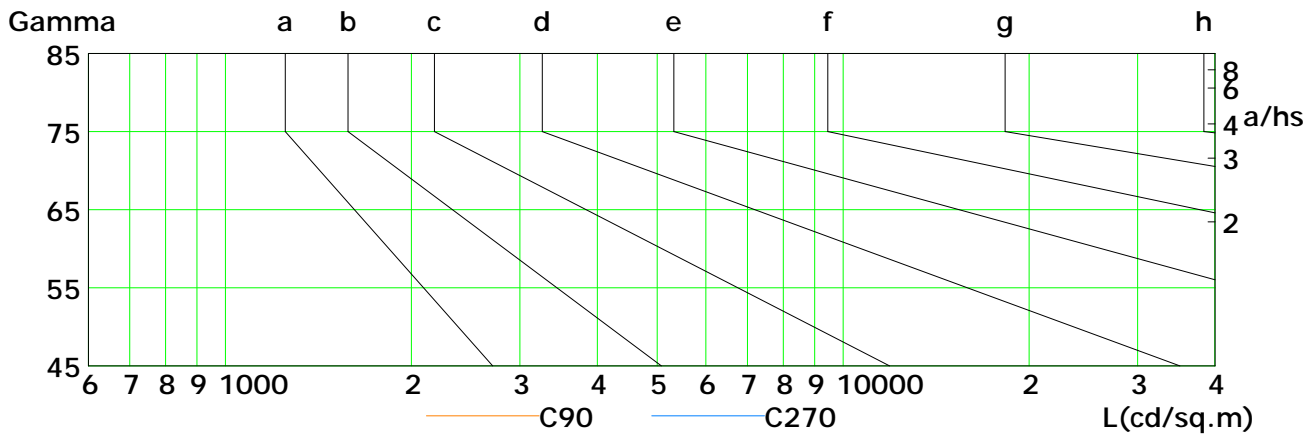
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Lum Limit Curve

| 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

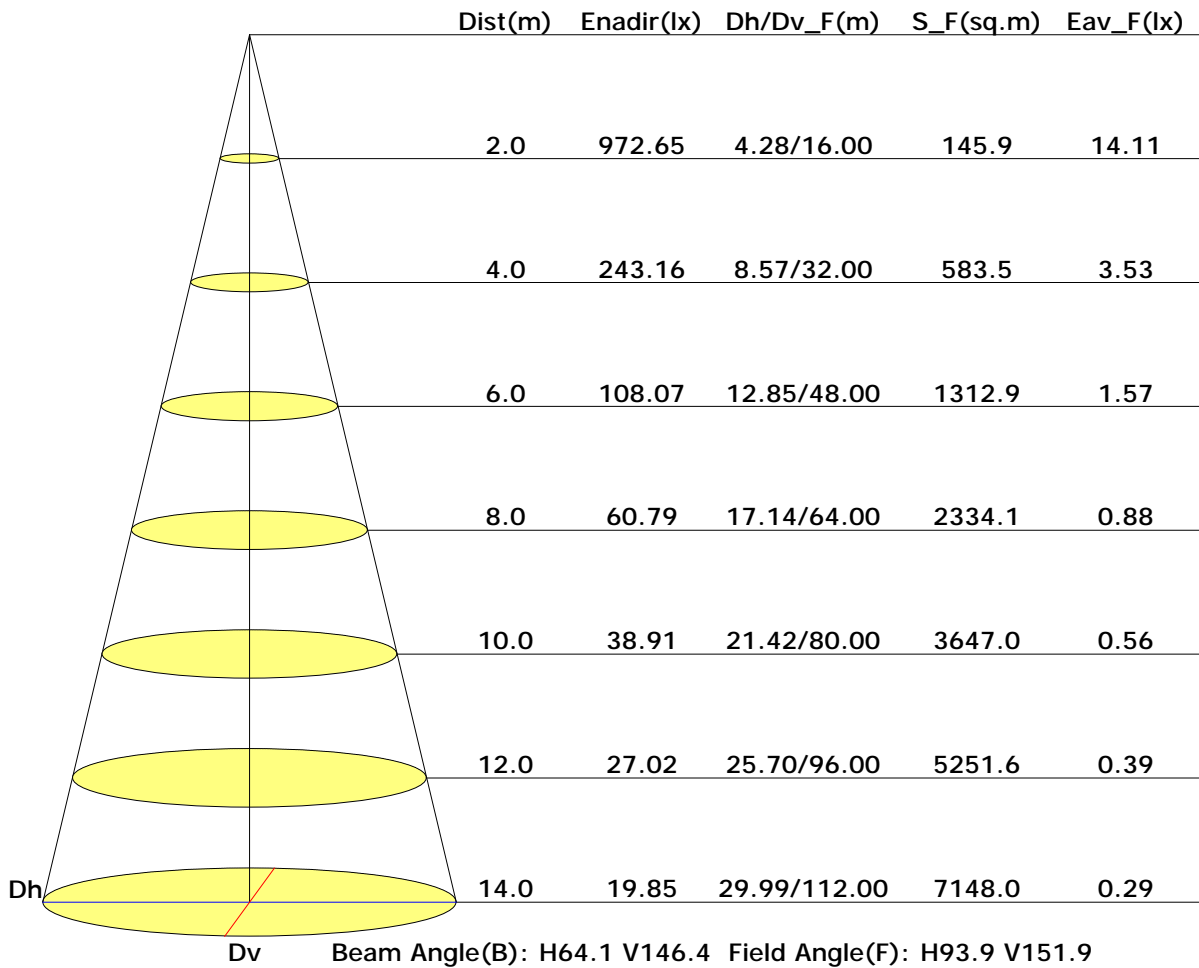


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|----------|----------|---------|---------|---------|---------|---------|----------|--------|
| C0 | 11169290 | 10366780 | 9853499 | 9295249 | 8667914 | 7020164 | 643205 | 345556 | 306730 |
| C90 | 2042734 | 1531222 | 1264103 | 9802358 | 7244335 | 4875474 | 2002411 | 90492098 | 140829 |
| C180 | 566990 | 770854 | 879515 | 870203 | 959668 | 1011457 | 349886 | 175719 | 216333 |
| C270 | 2042734 | 1531222 | 1264103 | 9802358 | 7244335 | 4875474 | 2002411 | 90492098 | 140829 |

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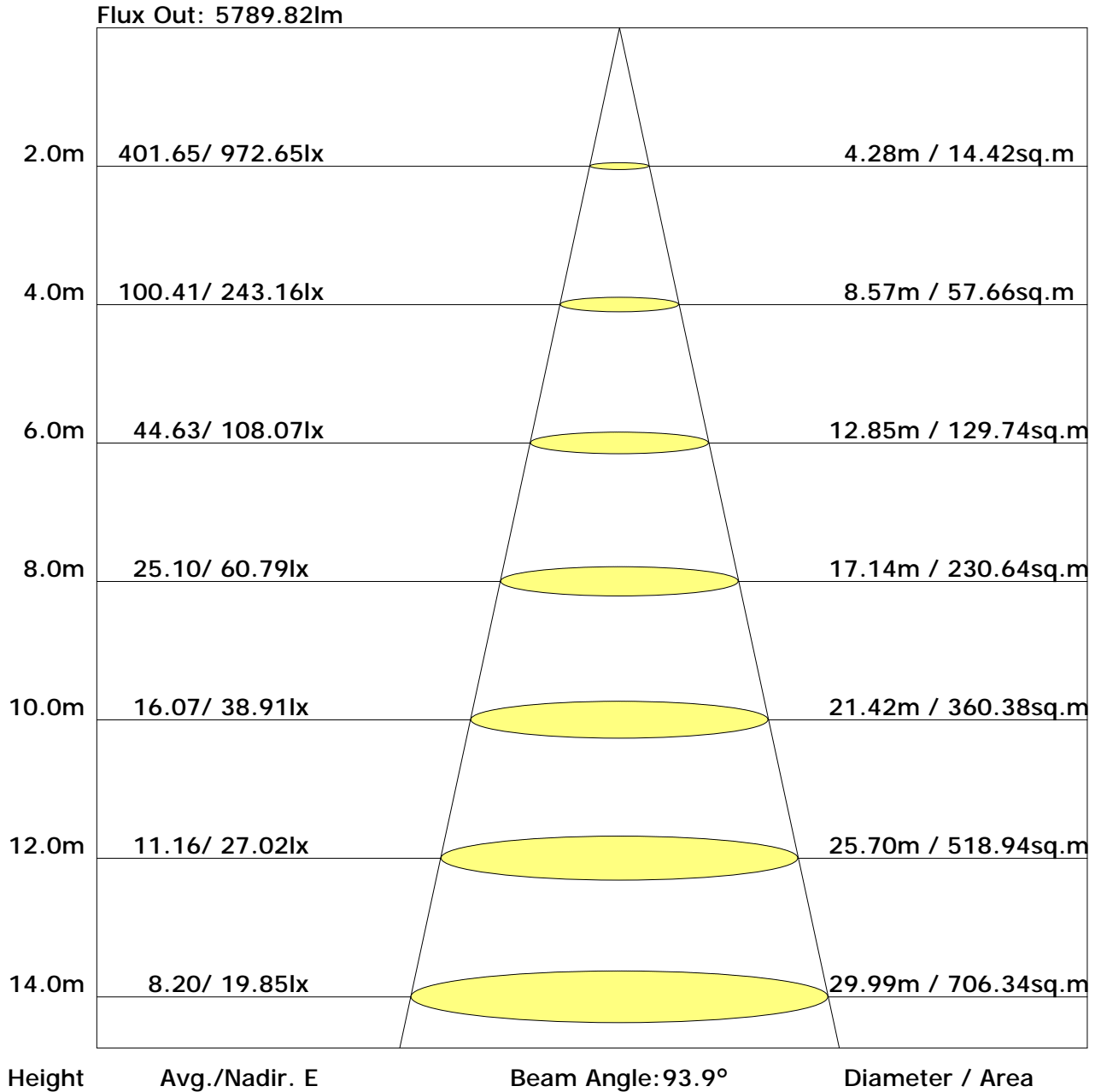
Illuminance at a Distance



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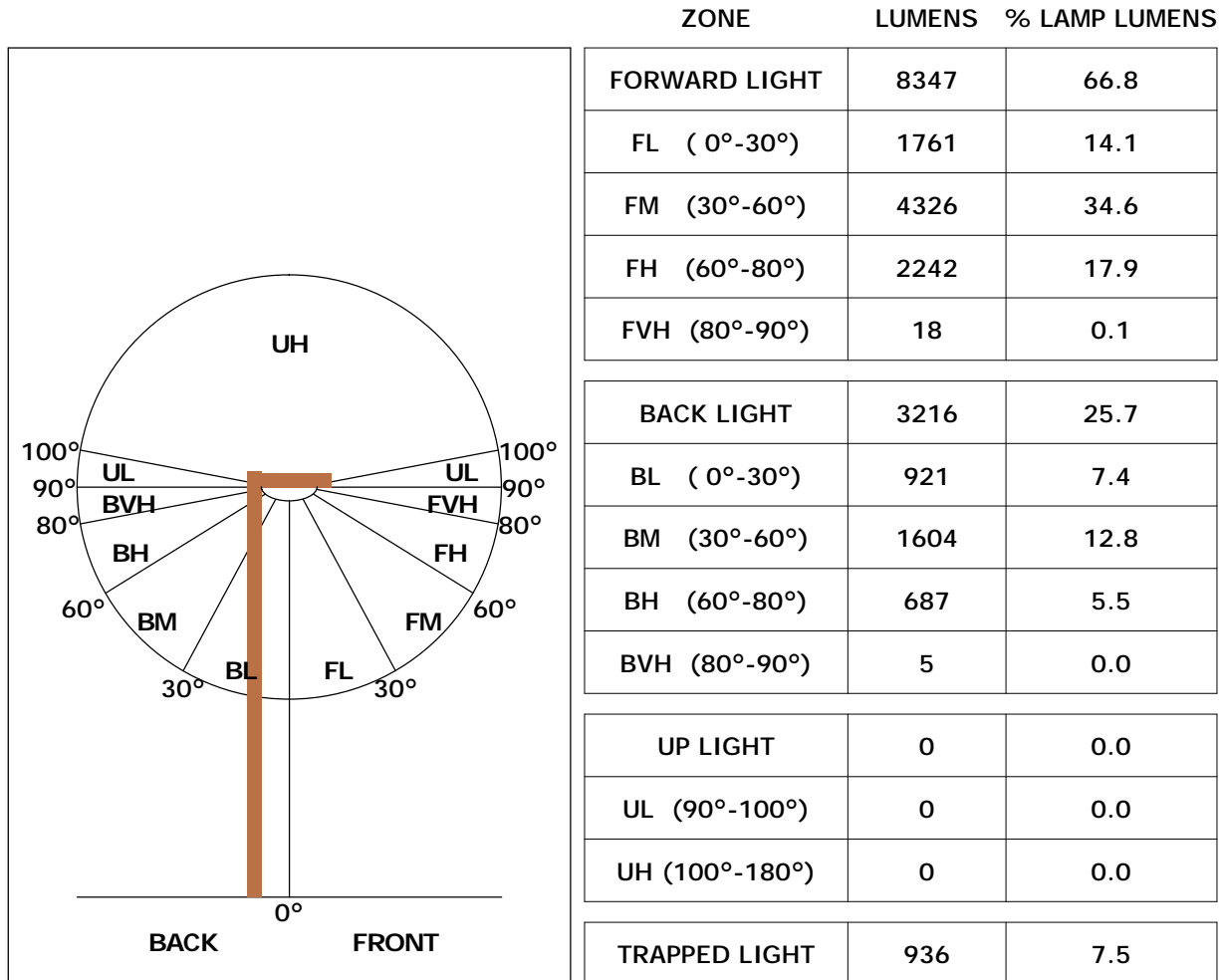
The Average Illuminance Effective Figure



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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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