Photometric Guide

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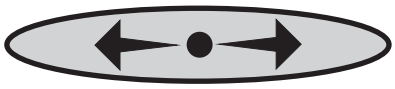
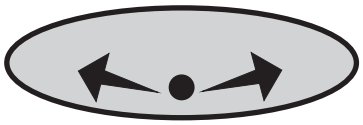
LATERAL LIGHT DISTRIBUTION



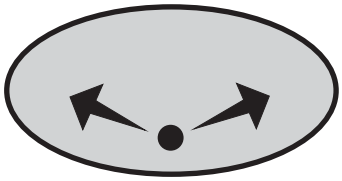
TYPE I

Pathway, bikeway and very narrow streets with a large overhang bringing the fixture completely over the street.



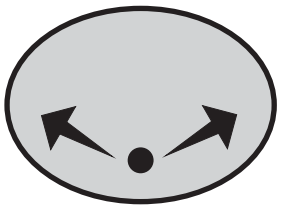
TYPE II

Narrow streets not exceeding 1.75 mounting height in width.



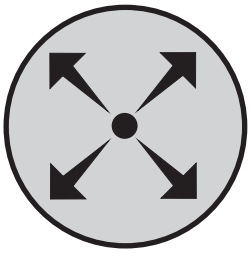
TYPE III

Streets with parking on the sides. Fixtures on both sides of the road for larger streets.



TYPE IV

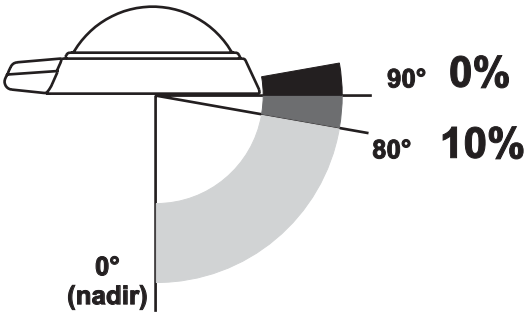
Large areas such as parking lots.



TYPE V

Use for large areas, parks, symetrical application and ambient lighting.

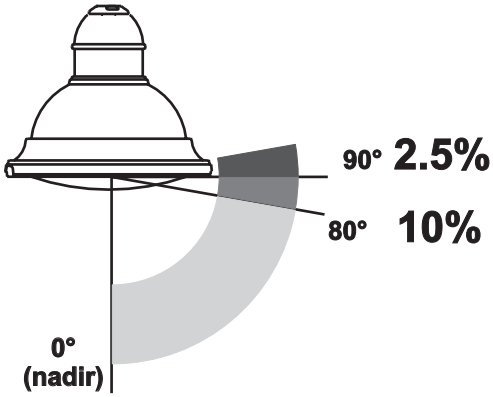
UP-LIGHT CLASSIFICATION



FULL CUT-OFF

No light at or over 90° above nadir

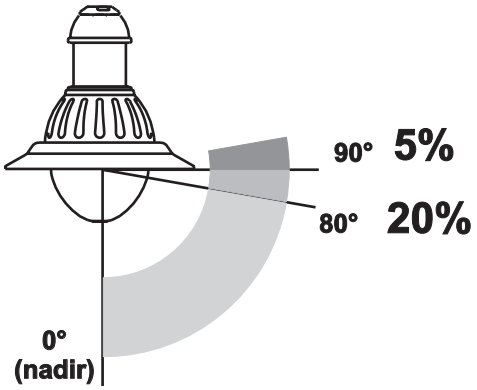
No value exceeding 10% of the maximum candlepower at or over 80° above nadir



CUT-OFF

No value exceeding 2.5% of the maximum candlepower at or over 90° above nadir

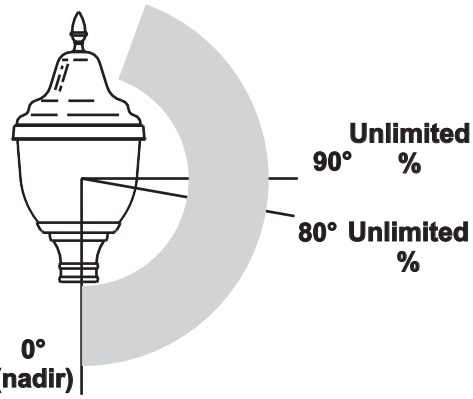
No value exceeding 10% of the maximum candlepower at or over 80° above nadir



SEMI CUT-OFF

No value exceeding 5% of the maximum candlepower at or over 90° above nadir

No value exceeding 20% of the maximum candlepower at or over 80° above nadir



NON CUT-OFF

Considerable light is produced above the horizontal plane.

Based on IESNA "Lighting Handbook ninth edition" recommendations. Subject to changes without prior notice. (2008/02)

Optical systems

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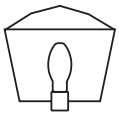
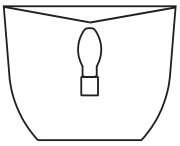
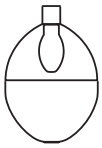
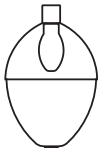
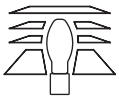
ORV 3 C /S

- ORV — OPTICAL SYSTEM TYPE
- 3 — LATERAL LIGHT DISTRIBUTION
- C — UP-LIGHT CLASSIFICATION
- /S — OPTION

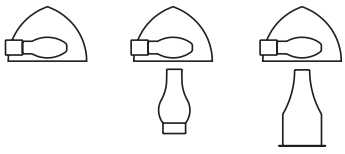
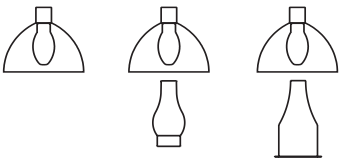
REFRACTORS

OC3N **OC5N**		Non Cut-off Reflector & Refractor Vertical lamp type 3 & type 5	Prismatic refractor available in acrylic or polycarbonate combined to a formed reflector. Available in type III & V distributions.
OG3N **OG5N**		Non Cut-off Glass Refractor Vertical lamp type 3 & type 5	Heat resistant borosilicate glass refractor. Available in type III & V distributions.
OP3N **OP5N**		Non cut-off Refractor vertical lamp type 3 & type 5	Prismatic refractor available in acrylic (GAC) or polycarbonate (GPC) combined to a formed reflector. Available in type III & V distributions.
OVS3S **OVS5S**		Non cut-off Refractor vertical lamp type 3 & type 5	Prismatic pendant refractor available in acrylic (GAC) or polycarbonate (GPC) combined to a formed reflector. Available in type III & V distributions.
OVL3S **OVL5S**		Non cut-off Refractor vertical lamp type 3 & type 5	Prismatic pendant refractor available in acrylic (GAC) or polycarbonate (GPC) combined to a formed reflector. Available in type III & V distributions.

LOUVERS

OL3S **OL5S**		Semi cut-off Louvers System Vertical lamp type 3 & type 5	Stacked louver system made of highly reflective aluminum. Available in type III & V distributions. Particular to the Provincial Series.
OLS3S **OLS5S**		Semi cut-off Louvers System (compact version) Vertical lamp type 3 & type 5	Stacked louver system made of highly reflective aluminum. Available in type III & V distributions.

REFLECTORS

ORH3C **ORH5C** **ORH3C/S** **ORH5C/S**		Cut-off Reflector Horizontal lamp type 3 & type 5	Facetted reflector made of highly reflective aluminum. Horizontal lamp. Lanterns come standard with a decorative glass chimney. Also available with a spun cone (/S option) Also available with a house-side shield (/HS option) (consult factory)
ORV3C **ORV5C** **ORV3C/S** **ORV5C/S**		Cut-off Reflector Vertical lamp type 3 & type 5	Facetted reflector made of highly reflective aluminum. Vertical lamp. Lanterns come standard with a decorative glass chimney. Also available with a spun cone (/S option) Also available with a house-side shield (/HS option) (consult factory)

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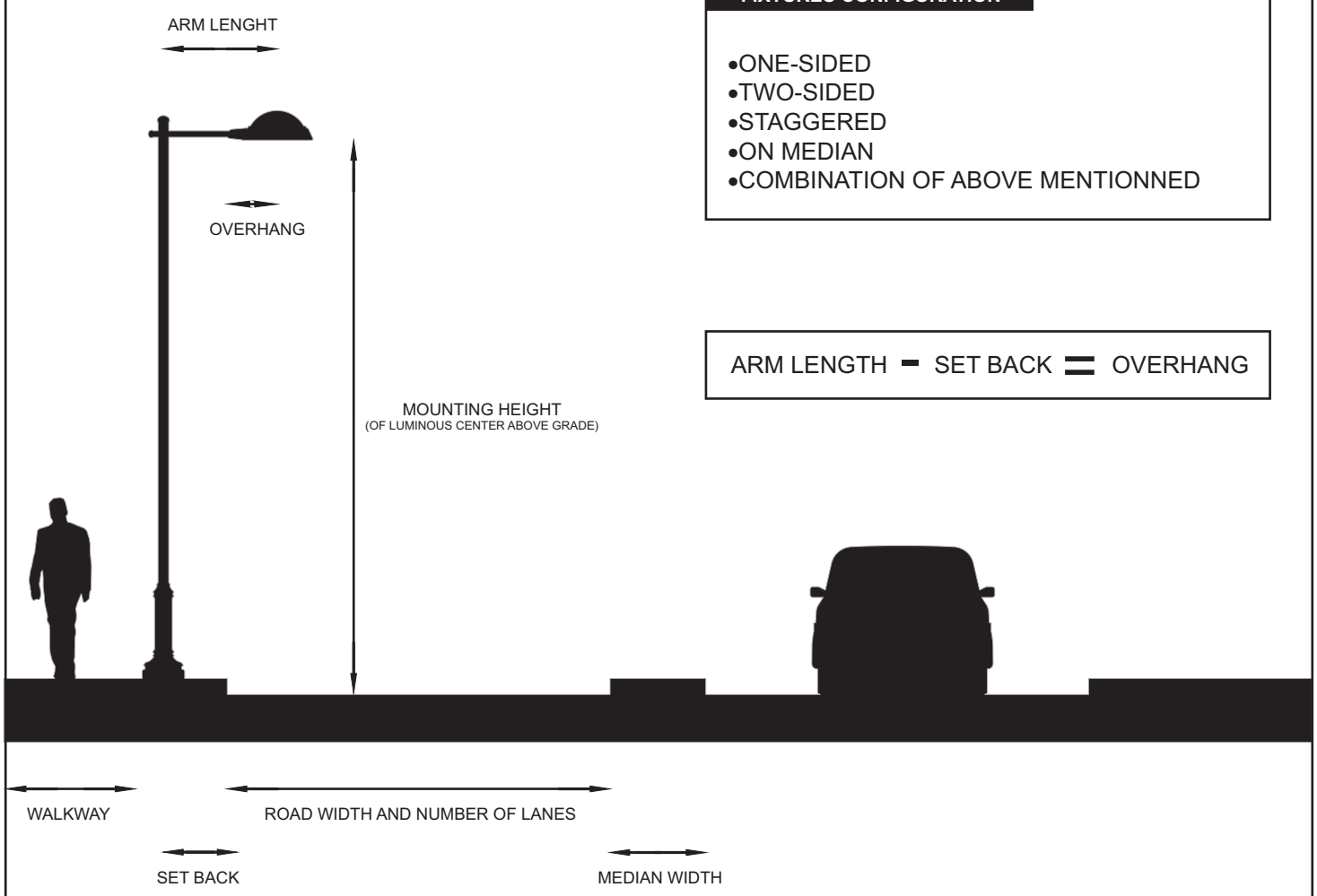
TYPICAL LAYOUT



FIXTURES CONFIGURATION

- ONE-SIDED
- TWO-SIDED
- STAGGERED
- ON MEDIAN
- COMBINATION OF ABOVE MENTIONNED

ARM LENGTH − SET BACK = OVERHANG

RECOMMENDED PRACTICE

Illuminance value (E_{avg}) for Roadways (in Footcandle)

Road and Area Classification		Pavement Classification R2 & R3 (asphalt)	Iluminance Uniformity Ratio E_{avg} to E_{min}
Expressway	Commercial	1,4	3 to 1
	Intermediate	1,2	
	Residential	0,9	
Major	Commercial	1,7	3 to 1
	Intermediate	1,3	
	Residential	0,9	
Collector	Commercial	1,2	4 to 1
	Intermediate	0,9	
	Residential	0,6	
Local	Commercial	0,9	6 to 1
	Intermediate	0,7	
	Residential	0,4	

For approximate values in LUX, multiply by 10

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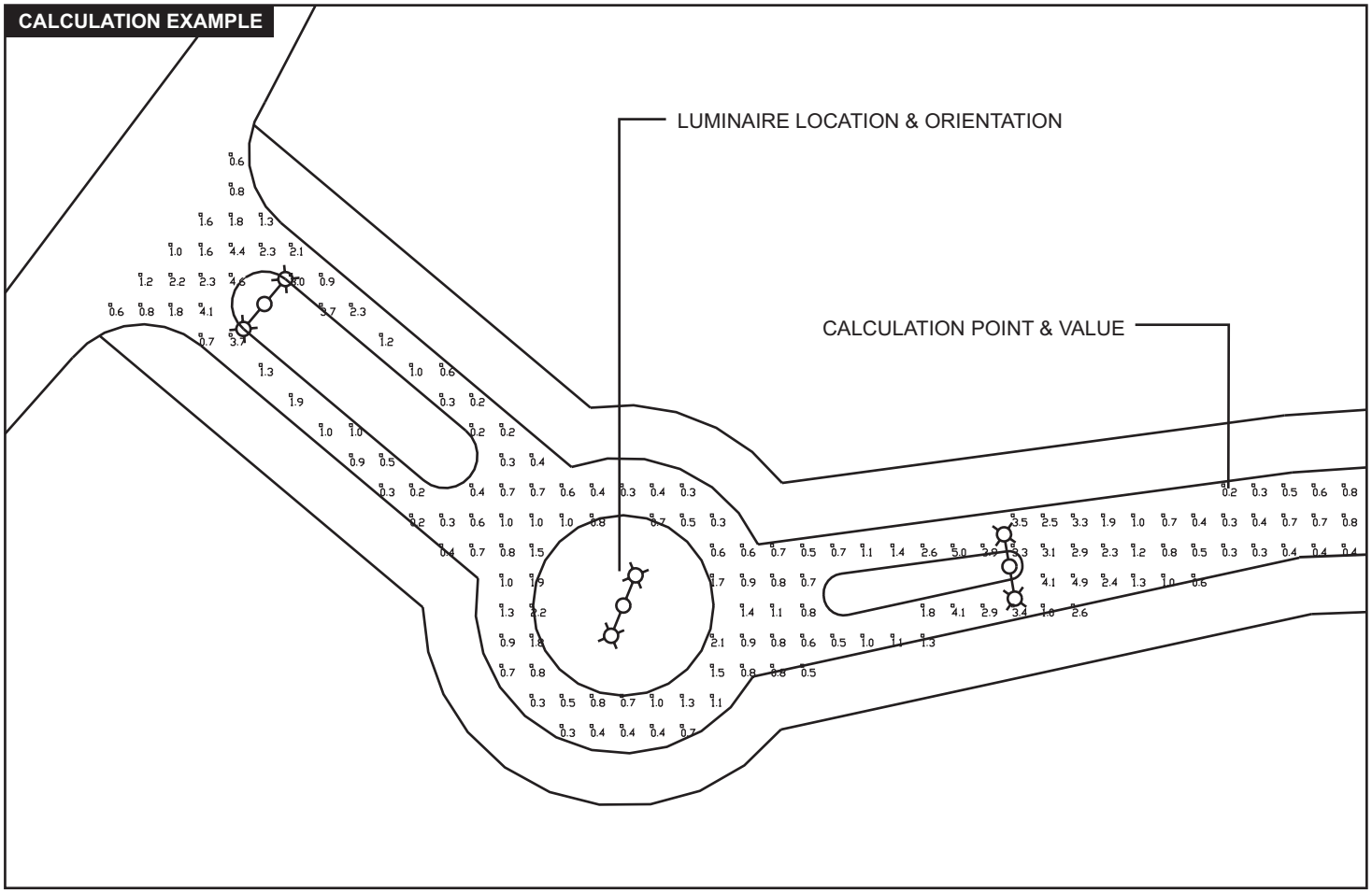
CALCULATION EXAMPLE



SUMMARY EXAMPLE

QUANTITY OF FIXTURES

MAINTENANCE FACTOR

FLUX FOR EACH FIXTURE

Luminaire Schedule							
Project:							
Symbol	Qty	Label	Arrangement	Lumens	LLF	Description	Watts
⌑—○—⌑	3	PR▽800-□RV3C-D□UBLE	BACK-BACK	16000	0.720	2.5ft arm,	150

Numeric Summary							
Project:							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LAY□UT	Illuminance	Fc	1.40	2.82	0.47	3.00	6.00

ILLUMINANCE AVERAGE VALUE

AVERAGE TO MINIMUM UNIFORMITY RATIO