

ORBIT•R

6" High Performance Regressed Recessed Downlight

OB610-CCT27

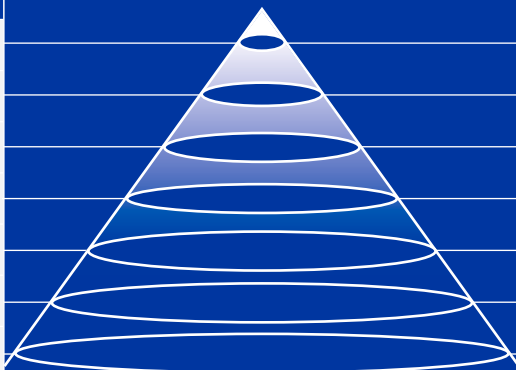
PHOTOMETRICS SHEET

PHOTOMETRICS

Nominal size	Model	Light output	Wattage / Voltage	Selectable color temperature	CRI
6"	OB610-CCT27	1660 lm	19W / 120V	27K / 3K / 4K	90

FOOTCANDLE DIAGRAM

Mounting height (feet / meters)	Footcandles at Nadir	Diameter (feet / meters)
4' / 1.22m	112.86	4.09' / 1.25m
6' / 1.83m	50.16	6.14' / 1.87m
8' / 2.44m	28.21	8.19' / 2.5m
10' / 3.05m	18.06	10.23' / 3.12m
12' / 3.66m	12.54	12.28' / 3.74m
14' / 4.27m	9.21	14.33' / 4.37m
16' / 4.88m	7.05	16.38' / 4.99m



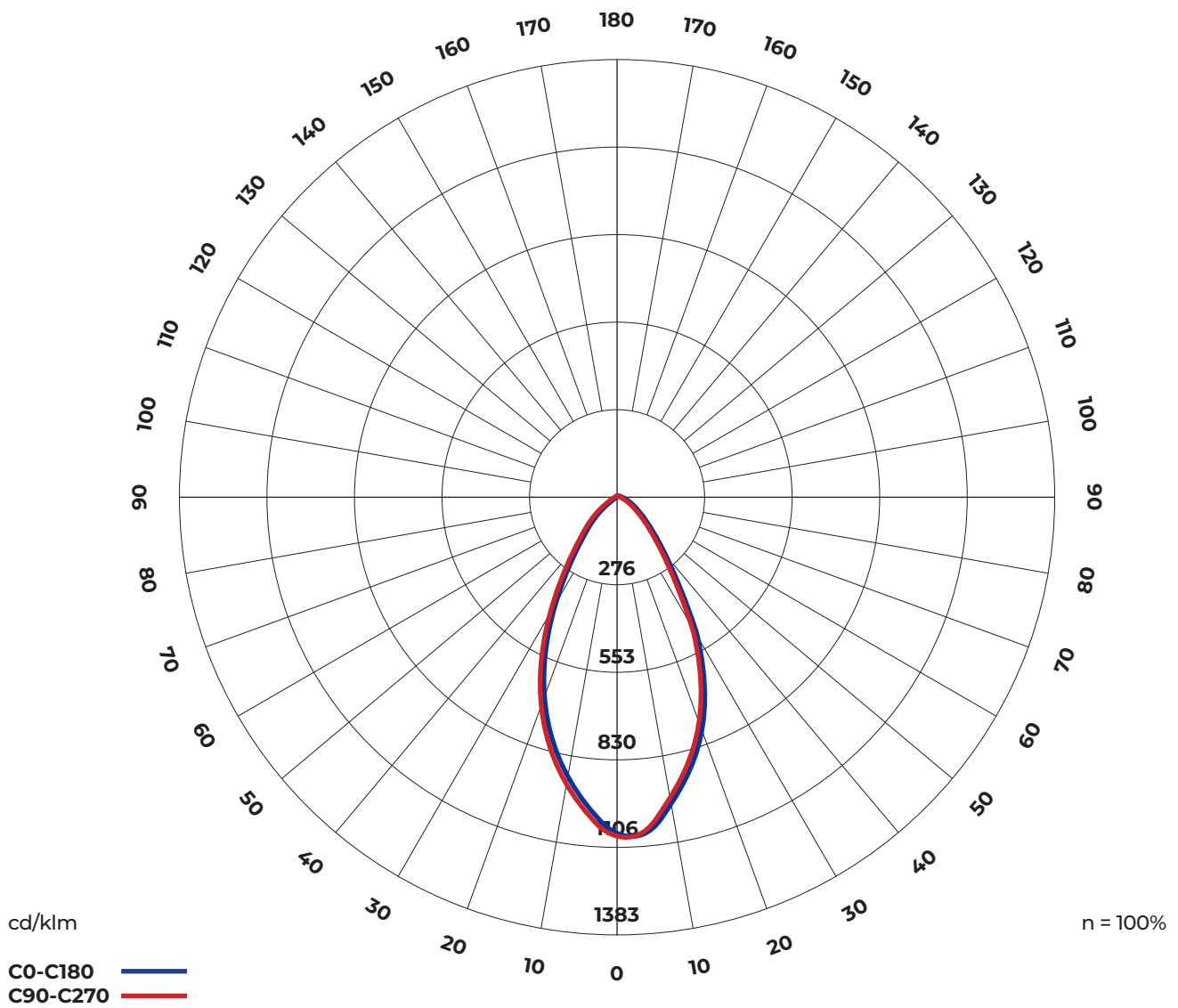
AVERAGE LUMINANCE (cd/m²)

G/C	0	45	90
0	1437010.0	1437010.0	1437010.0
45	254564.4	249584.6	249106.3
55	117581.1	119211.6	122784.1
65	69481.3	70799.4	71270.2
75	46734.5	46811.4	47042.0
85	23739.3	26021.9	24195.8

ZONAL LUMEN SUMMARY

Zone	Lumens	% of luminaire
0-40	1339.4	80.68
0-60	1597.9	96.25
0-90	1656.3	99.76
90-180	4	0.24

DISTRIBUTION CURVE (cd/klm)



COEFFICIENTS OF UTILIZATION

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF=0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	102	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	94	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	88	89	86	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	82	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	78	80	77	82	79	77	75
6	92	84	79	75	90	83	78	74	82	77	74	74	76	73	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	71	71	73	70	76	72	70	69
8	85	77	71	68	84	76	71	68	75	71	67	67	70	67	73	70	67	66
9	82	74	68	65	81	73	68	65	72	68	65	65	67	64	71	67	64	63
10	79	71	66	62	78	70	65	62	70	65	62	62	65	62	68	64	62	61