

ORBIT

3" High Performance Recessed Downlight

OB300-CCT27

PHOTOMETRICS SHEET

PHOTOMETRICS

Nominal size	Model	Light output	Wattage / Voltage	Selectable color temperature	CRI
3"	OB300-CCT27	800 lm	11W / 120V	27K / 3K / 4K	90

FOOTCANDLE DIAGRAM

Mounting height (feet / meters)		Footcandles at Nadir	Diameter (feet / meters)
4' / 1.22m		78.12	3.11' / 0.95m
6' / 1.83m		34.72	4.67' / 1.42m
8' / 2.44m		19.53	6.22' / 1.89m
10' / 3.05m		12.5	7.78' / 2.37m
12' / 3.66m		8.68	9.33' / 2.84m
14' / 4.27m		6.38	10.89' / 3.32m
16' / 4.88m		4.88	12.44' / 3.79m

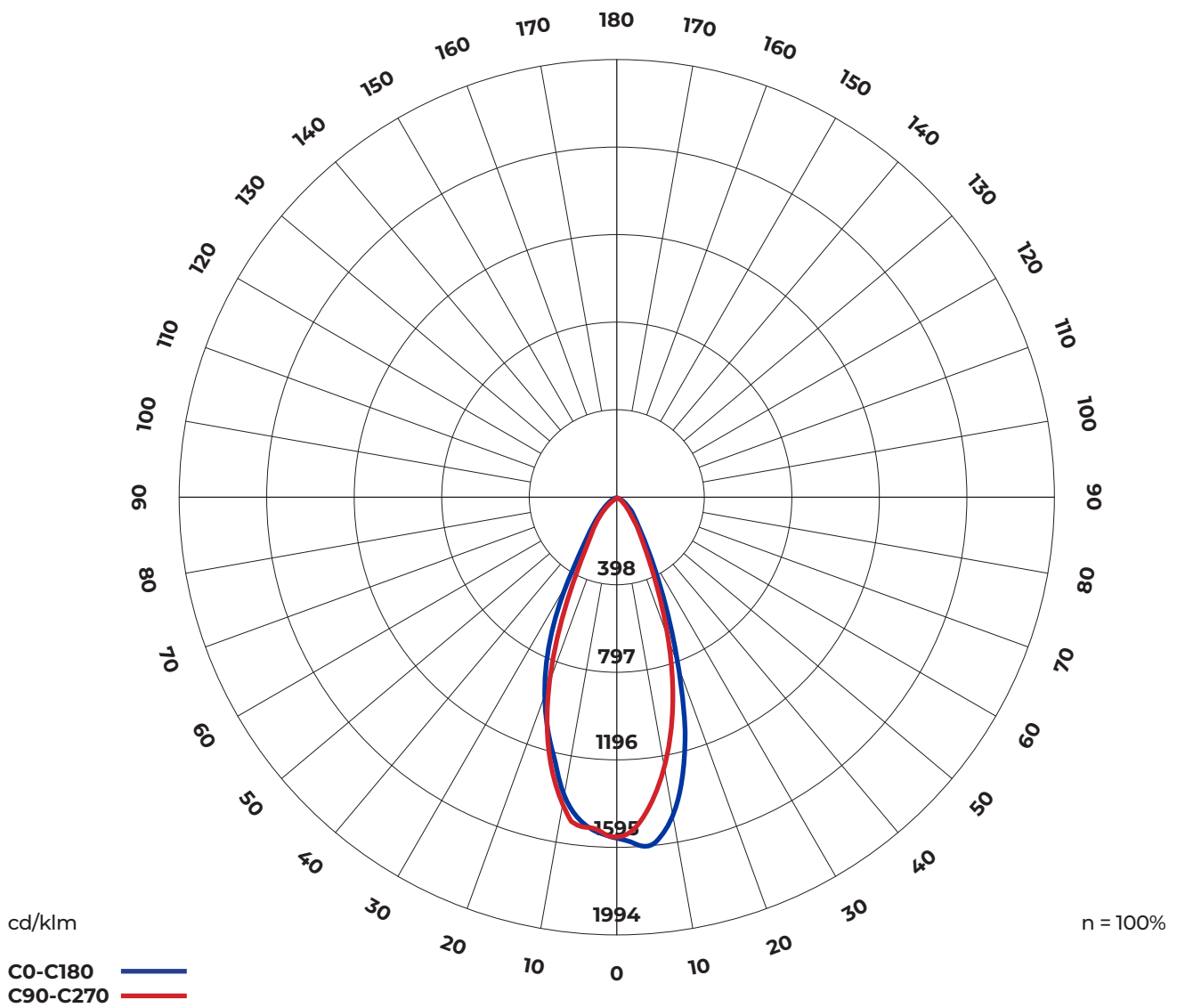
AVERAGE LUMINANCE (cd/m²)

G/C	0	45	90
0	994718.4	994718.4	994718.4
45	100666.6	91016.4	84235.8
55	57507.4	54489.8	53692.0
65	31163.0	32387.0	33234.3
75	23521.0	24289.6	24443.4
85	0.0	2054.4	0.0

ZONAL LUMEN SUMMARY

Zone	Lumens	% of luminaire
0-40	680.8	83.97
0-60	781.9	96.44
0-90	809.3	99.82
90-180	1.5	0.18

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