

ORBIT

4" High Performance Regressed Recessed Downlight

OB410-CCT27

PHOTOMETRICS SHEET

PHOTOMETRICS

Nominal size	Model	Light output	Wattage / Voltage	Selectable color temperature	CRI
4"	OB410-CCT27	800 LM	11W / 120V	27K / 3K / 4K	90

FOOTCANDLE DIAGRAM

Mounting height (feet / meters)		Footcandles at Nadir	Diameter (feet / meters)
4' / 1.22m		81.01	3.1' / 0.94m
6' / 1.83m		36	4.65' / 1.42m
8' / 2.44m		20.25	6.21' / 1.89m
10' / 3.05m		12.96	7.76' / 2.37m
12' / 3.66m		9	9.31' / 2.84m
14' / 4.27m		6.61	10.86' / 3.31m
16' / 4.88m		5.06	12.41' / 3.78m

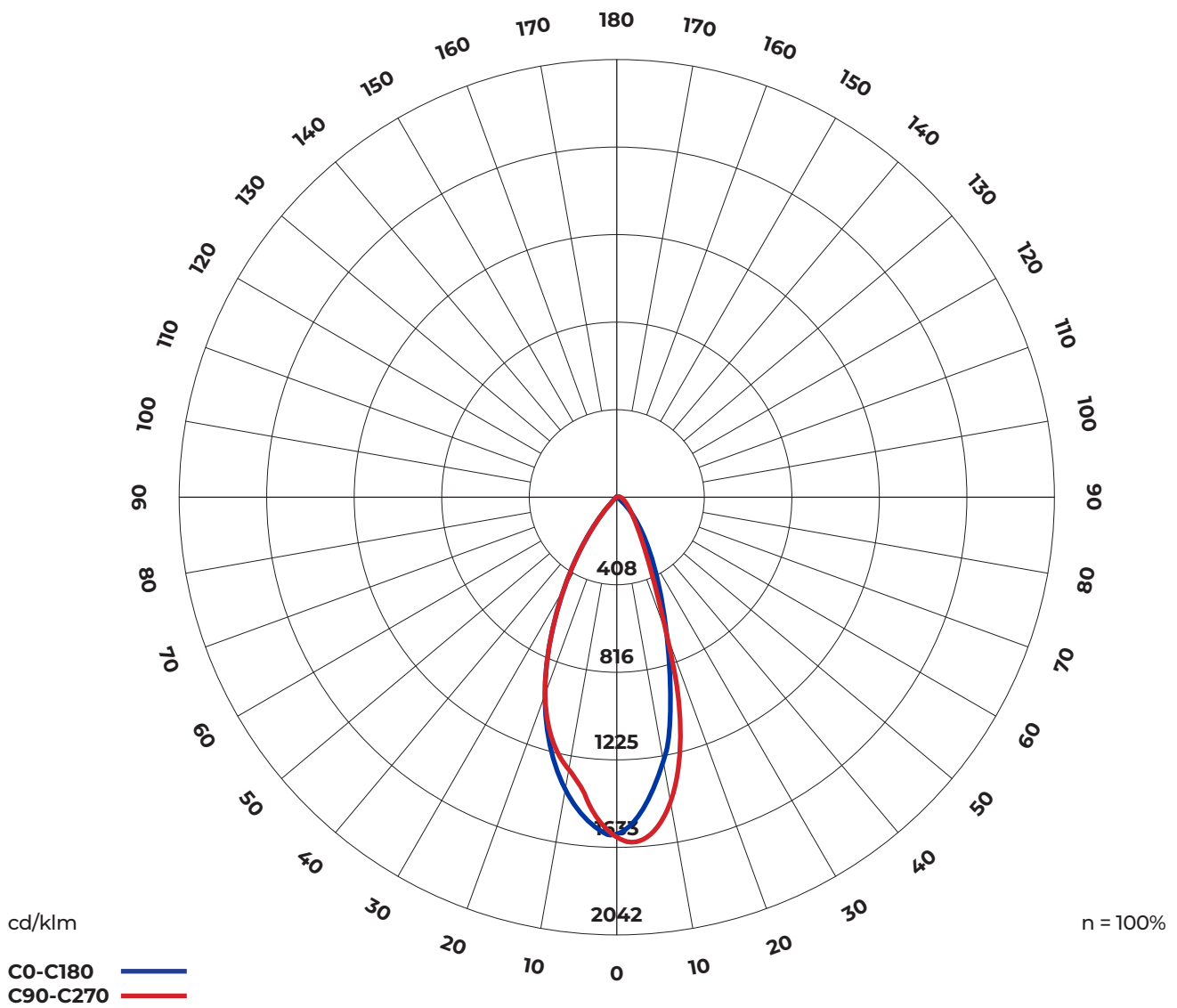
AVERAGE LUMINANCE (cd/m²)

G/C	0	45	90
0	1031483.2	1031483.2	1031483.2
45	70618.6	71828.4	70393.5
55	38083.9	40511.8	40442.4
65	27491.3	28526.9	28526.9
75	17986.6	20292.6	17525.4
85	0.0	5250.0	5021.8

ZONAL LUMEN SUMMARY

Zone	Lumens	% of luminaire
0-40	712	87.36
0-60	790.5	97
0-90	813.2	99.78
90-180	1.8	0.22

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