

# RETRO

6" Retrofit Razor Recessed Downlight

## RZR-RETRO-640

PHOTOMETRICS SHEET

### PHOTOMETRICS

Nominal size	Model	Light output	Wattage / Voltage	Selectable color temperature	CRI
6"	RZR-RETRO-640	1055 lm	12.5W / 120V	27K / 3K / 4K	92.5

### FOOTCANDLE DIAGRAM

Mounting height (feet / meters)		Footcandles at Nadir	Diameter (feet / meters)
4' / 1.22m		24.04	11.38' / 3.47m
6' / 1.83m		10.69	17.07' / 5.2m
8' / 2.44m		6.01	22.77' / 6.94m
10' / 3.05m		3.85	28.46' / 8.67m
12' / 3.66m		2.67	34.15' / 10.41
14' / 4.27m		1.96	39.84' / 12.14m
16' / 4.88m		1.5	45.53' / 13.88m

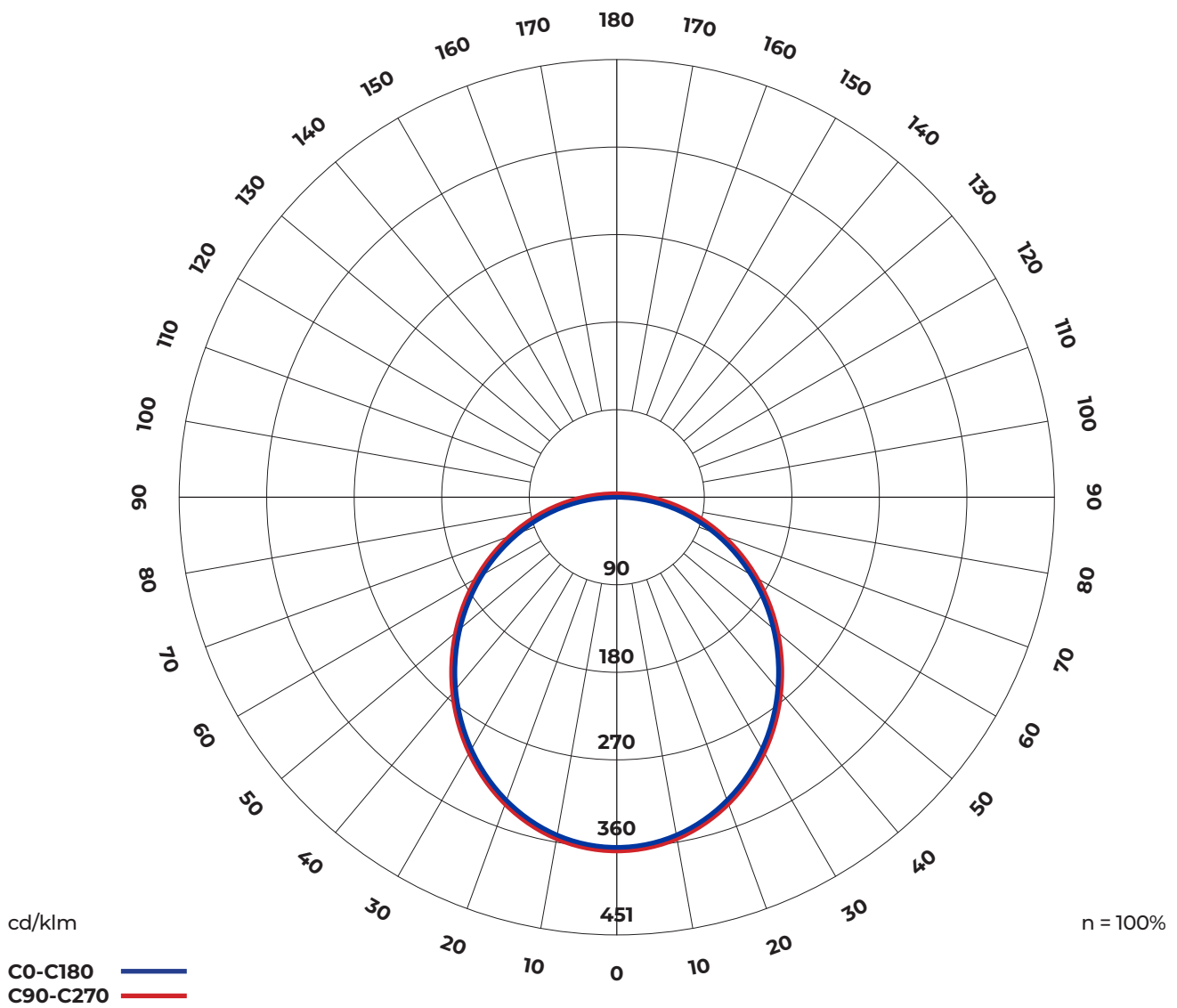
### AVERAGE LUMINANCE (cd/m<sup>2</sup>)

G/C	0	45	90
0	306134.5	306134.5	306134.5
45	278591.6	279154.3	278873.0
55	265616.0	266066.9	266240.3
65	246479.9	247986.3	247515.5
75	217838.1	218760.5	219529.1
85	138326.9	147000.9	143805.2

## ZONAL LUMEN SUMMARY

Zone	Lumens	% of luminaire
0-40	482	45.13
0-60	844.3	79.05
0-90	1068.1	100
90-180	0	0

## 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