

# RETRO•RGB

4" Retrofit RGB+CCT Recessed Downlight

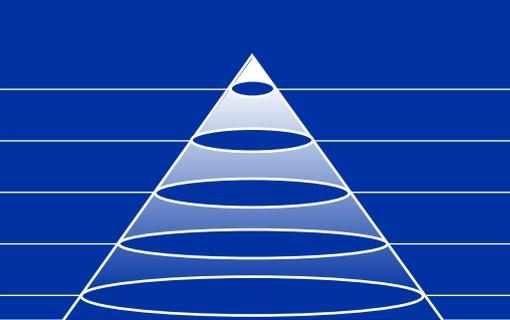
## RZR-RTRGB-440

### PHOTOMETRICS SHEET

#### PHOTOMETRICS

Nominal size	Model	Light output	Wattage / Voltage	Selectable color temperature	CRI
4"	RZR-RTRGB-440	810 LM	9.5W / 120V	RGB + Tunable White	90

#### FOOTCANDLE DIAGRAM

Mounting height (feet / meters)		Footcandles at Nadir	Diameter (feet / meters)
3.28' / 1m		332.41	8.68' / 2.65m
6.56' / 2m		83.111	17.35' / 5.29m
9.84' / 3m		36.941	26.03' / 7.93m
13.12' / 4m		20.781	34.71' / 10.58m
16.4' / 5m		13.301	43.38' / 13.22m

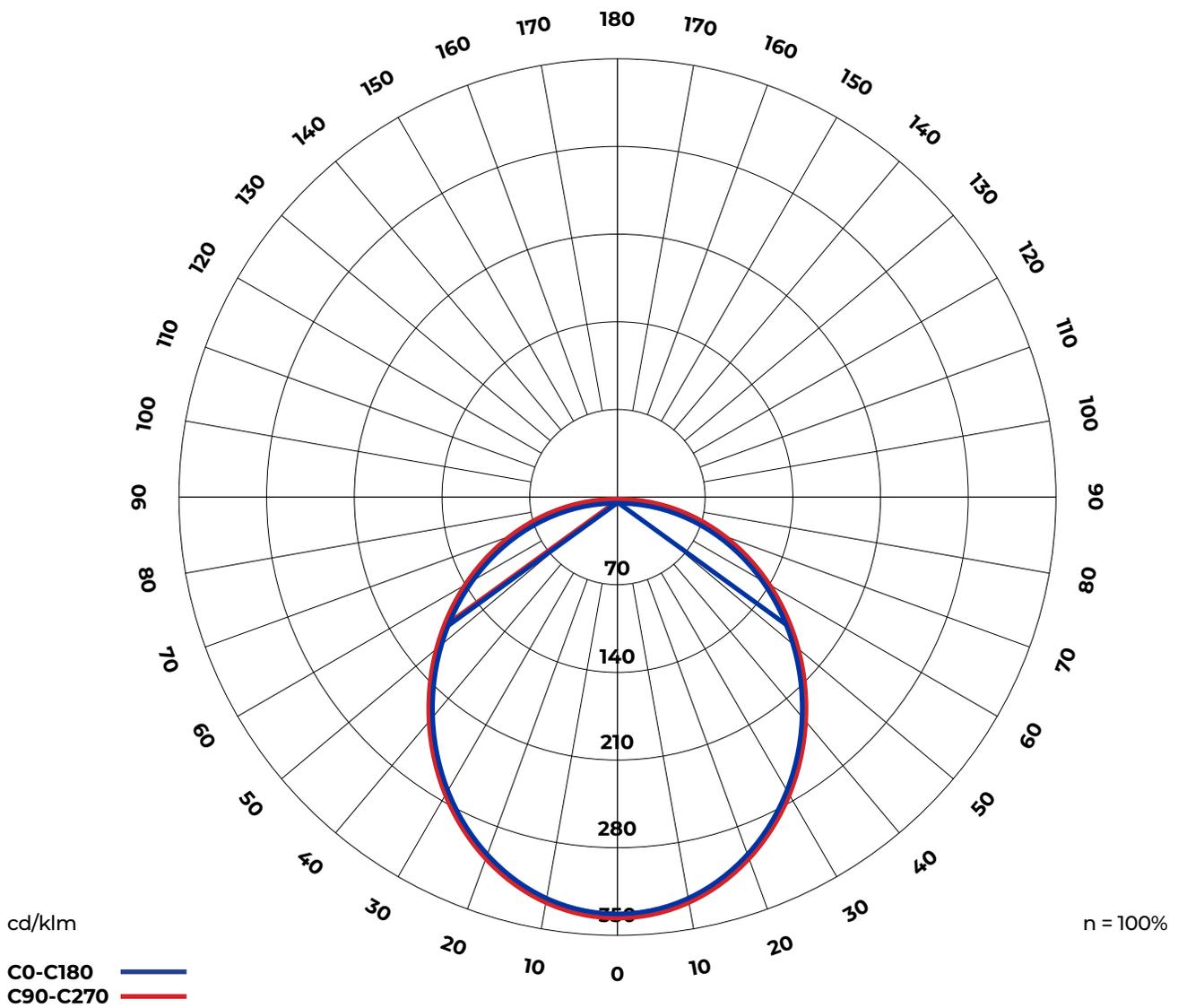
#### AVERAGE LUMINANCE (cd/m<sup>2</sup>)

G/C	0	45	90
0	332	332	332
45	206	209	208
55	158	159	157
65	108	106	103
75	57	53.2	49.8
85	5.87	4.90	2.46

## ZONAL LUMEN SUMMARY

Zone	Lumens	% of luminaire
0-40	410	46.7
0-60	709.5	81
0-90	877.7	100
90-180	0	0

## DISTRIBUTION CURVE (cd/klm)



## COEFFICIENTS OF UTILIZATION

RC	0.8	0.8	0.8	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	0.5	0.3	0.1	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
0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	100
1	105	101	97	102	99	95	98	95	92	94	92	89	91	89	87	85
2	91	85	79	90	84	78	86	81	77	83	79	75	80	76	73	71
3	81	73	66	79	72	66	76	70	64	73	68	63	71	66	62	60
4	71	63	56	70	62	56	68	61	55	65	59	54	63	58	54	51
5	64	55	48	63	54	48	61	53	48	59	52	47	57	51	47	45
6	58	49	42	57	48	42	55	47	42	53	47	41	52	46	41	39
7	52	44	38	51	43	37	50	43	37	48	42	37	47	41	37	35
8	48	39	34	47	39	33	46	38	33	44	38	33	43	37	33	31
9	44	36	30	43	35	30	42	35	30	41	34	30	40	34	30	28
10		33	27	40	32	27	39	32	27	38	32	27	37	31	27	25