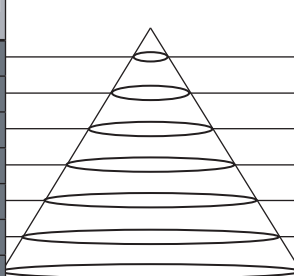


RAZOR-FR SERIES

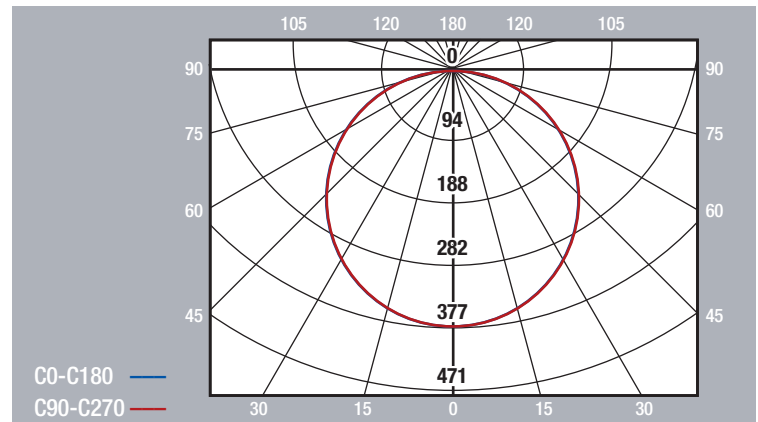
NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	SELECTABLE COLOR TEMPERATURE	CRI
4"	RZR-CCT-FR411	800 LM	10 W / 120 V	3 K, 4 K & 5 K	90+

RZR-CCT-FR411 FOOTCANDLE DIAGRAM

MOUNTING HEIGHT (FEET/METERS)	FOOTCANDLES AT NADIR	DIAMETER (FEET/METERS)
4.00' / 1.22m	219.56	11.36' / 3.5m
6.00' / 1.83m	97.58	17.04' / 5.2m
8.00' / 2.44m	54.89	22.72' / 6.9m
10.0' / 3.05m	35.13	28.4' / 8.7m
12.0' / 3.66m	24.4	34.09' / 10.4m
14.0' / 4.27m	17.92	39.77' / 12.1m
16.0' / 4.88m	13.72	45.45' / 13.9m



RZR-CCT-FR411 DISTRIBUTION CURVE (cd/klm)



RZR-CCT-FR411 AVERAGE LUMINANCE (cd/m²)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0	45	90
0	377185.5	64993.4	64993.4
45	37381.9	60478.5	60318.9
55	32467.9	56690.5	56365.5
65	28208.3	48952.4	48848.0
75	16756.2	29076.9	28356.6
85	0.0	0.0	0.0

RZR-CCT-FR411 ZONAL LUMEN SUMMARY

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF LUMINAIRE
0-40	419.7	47.67
0-60	734.7	83.45
0-90	880.5	100
90-180	0	0

RZR-CCT-FR411 COEFFICIENTS OF UTILIZATION

CEILING CAVITY REFLECTANCE	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
WALL REFLECTANCE																		
ROOM CAVITY RATIO (RCR)	EFFECTIVE FLOOR CAVITY REFLECTANCE 20% ** VALUES ARE EXPRESSED AS LUMENS DELIVERED TO THE TASK SURFACE **																	
0	1190	1190	1190	1190	1160	1160	1160	1160	1110	1110	1110	1060	1060	1060	1020	1020	1020	1000
1	1140	1110	1090	1070	1120	1090	1070	1050	1050	1040	1020	1020	1000	990	980	970	960	940
2	1090	1050	1010	980	1070	1030	1000	970	1000	970	950	970	950	930	940	920	910	890
3	1040	990	940	910	1030	970	930	900	950	910	890	920	900	870	900	880	860	850
4	1000	940	890	850	990	930	880	850	900	870	840	890	850	830	870	840	820	800
5	960	890	840	800	950	880	840	800	870	820	790	850	810	790	830	800	780	770
6	930	850	800	760	910	840	800	760	830	790	760	820	780	750	800	770	750	730
7	890	820	760	730	880	810	760	730	800	750	720	790	750	720	780	740	720	700
8	860	780	730	700	850	780	730	700	770	730	690	760	720	690	750	720	690	680
9	840	750	710	670	830	750	700	670	740	700	670	730	690	670	730	690	606	650
10	810	730	680	650	800	720	680	650	720	670	650	710	670	640	700	670	640	630