

PHOTOMETRICS

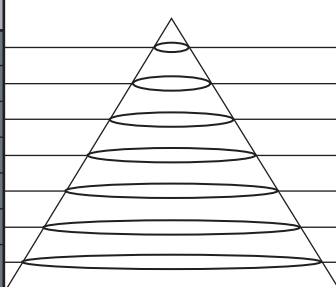
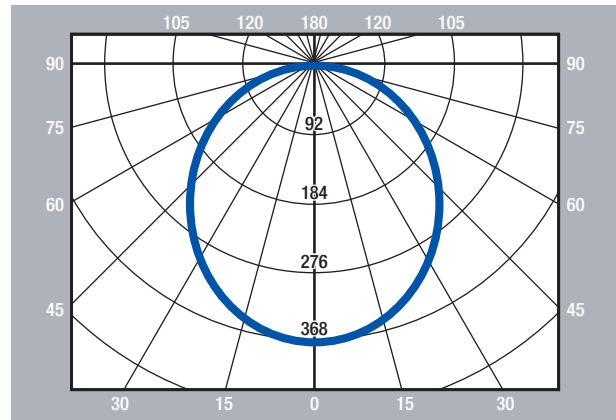
RAZOR

 SERIES

NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	COLOR TEMPERATURE	CRI	LIFETIME
4"	RZR-411	750 LM	9W/120V	3000K, 4000K	80+	50,000 HOURS

RZR-411 FOOTCANDLE DIAGRAM

MOUNTING HEIGHT (FEET/METERS)	FOOTCANDLES AT NADIR	DIAMETER (FEET/METERS)
4.00' / 1.22m	18.71	11.51' / 3.51m
6.00' / 1.83m	8.31	17.27' / 5.26m
8.00' / 2.44m	4.68	23.02' / 7.02m
10.0' / 3.05m	2.99	28.78' / 8.77m
12.0' / 3.66m	2.08	34.53' / 10.52m
14.0' / 4.27m	1.53	40.29' / 12.28m
16.0' / 4.88m	1.17	46.04' / 14.03m


RZR-411 DISTRIBUTION CURVE (cd/klm)

RZR-411 AVERAGE LUMINANCE (cd/m²)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0	45	90
0	59544	59544	59544
45	55552	55489	55398
55	52357	52149	52079
65	46344	46191	45874
75	32476	32245	32092
85	4565	4679	4565

RZR-411 ZONAL LUMEN SUMMARY

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF LUMINAIRE
0-40	380	46.76
0-60	666.3	81.98
0-90	812.7	99.99
90-180	0.1	0.01

RZR-411 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	EFFECTIVE FLOOR CAVITY REFLECTANCE 20%																	
ROOM CAVITY RATIO (RCR)	** VALUES ARE EXPRESSED AS LUMENS DELIVERED TO THE TASK SURFACE **																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25