

PHOTOMETRICS

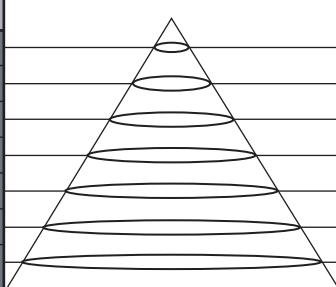
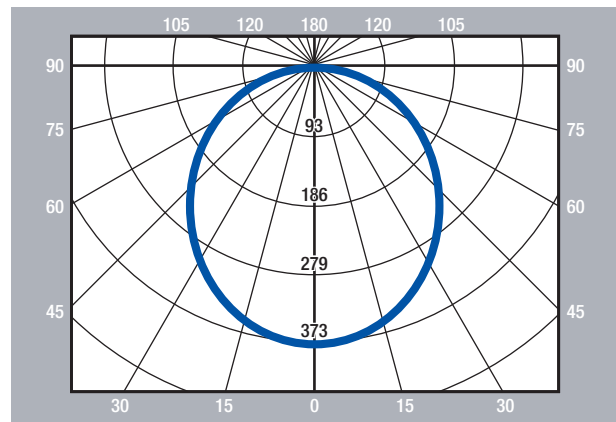
RAZOR

 SERIES

NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	COLOR TEMPERATURE	CRI	LIFETIME
4"	RZR-400	600 LM	9W/120V	3000K, 4000K	80+	50,000 HOURS

RZR-400 FOOTCANDLE DIAGRAM

MOUNTING HEIGHT (FEET/METERS)	FOOTCANDLES AT NADIR	DIAMETER (FEET/METERS)
4.00' / 1.22m	14.94	10.64' / 3.24m
6.00' / 1.83m	6.64	15.95' / 4.86m
8.00' / 2.44m	3.73	21.27' / 6.48m
10.0' / 3.05m	2.39	26.59' / 8.10m
12.0' / 3.66m	1.66	31.91' / 9.73m
14.0' / 4.27m	1.22	37.22' / 11.34m
16.0' / 4.88m	0.93	42.54' / 12.97m


RZR-400 DISTRIBUTION CURVE (cd/klm)

RZR-400 AVERAGE LUMINANCE (cd/m²)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0	45	90
0	47548	47548	47548
45	41668	41724	41780
55	38882	38960	39090
65	35494	33717	33352
75	31169	31073	31131
85	23054	23283	23283

RZR-400 ZONAL LUMEN SUMMARY

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF LUMINAIRE
0-40	296.1	46.23
0-60	511.1	79.79
0-90	640.0	99.92
90-180	0.5	0.08

RZR-400 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	62	56	81	70	61	55	67	60	54	65	58	54	63	57	53	51
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25