

# RAZOR

SERIES

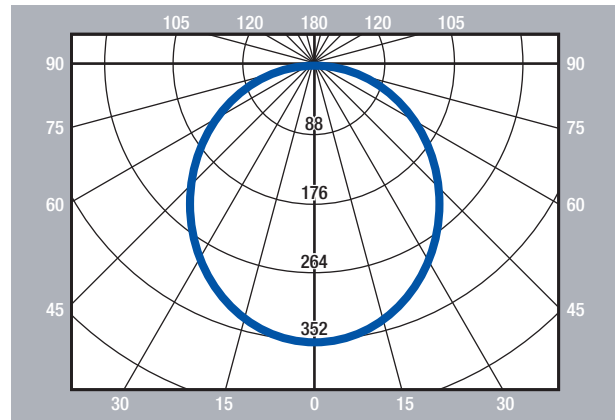


NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	SELECTABLE COLOR TEMPERATURE	CRI
4"	RZR-CCT-421	750 LM	10W/120V	3K, 4K & 5K	80+

## RZR-CCT-421 FOOTCANDLE DIAGRAM

MOUNTING HEIGHT (FEET/METERS)	FOOTCANDLES AT NADIR	DIAMETER (FEET/METERS)
4.00' / 1.22m	16.79	11.75' / 3.6m
6.00' / 1.83m	7.46	17.62' / 5.4m
8.00' / 2.44m	4.2	23.5' / 7.2m
10.0' / 3.05m	2.69	29.37' / 8.9m
12.0' / 3.66m	1.87	35.25' / 10.7m
14.0' / 4.27m	1.37	41.12' / 12.5m
16.0' / 4.88m	1.05	47' / 14.3m

## RZR-CCT-421 DISTRIBUTION CURVE (cd/klm)



## RZR-CCT-421 AVERAGE LUMINANCE (cd/m<sup>2</sup>)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0	45	90
0	45555.5	45555.5	45555.5
45	42426.6	42378.7	42330.7
55	40731.5	40620.7	40539.4
65	38110.8	37990.5	37910.2
75	34161.0	33342.2	33931.8
85	21106.0	21981.4	17507.3

## RZR-CCT-421 ZONAL LUMEN SUMMARY

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF LUMINAIRE
0-30	207.9	27.29
0-40	339.8	44.61
0-60	599	78.63
0-90	761.6	99.98
90-180	0.1	0.02

## RZR-CCT-421 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	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24