

# KICHLER

**Filename: 4D12VxxKxxx**

Manufacturer: Kichler Lighting

Luminaire: 12V LED Disk Light

Luminaire Cat: CRT1707211232-001, Model: 4D12V27xxx

Lamp: LED

Lamp Output: Total luminaire Lumens: 202.4

Max Candela: 70.8 at Horizontal: 0°, Vertical: 0°

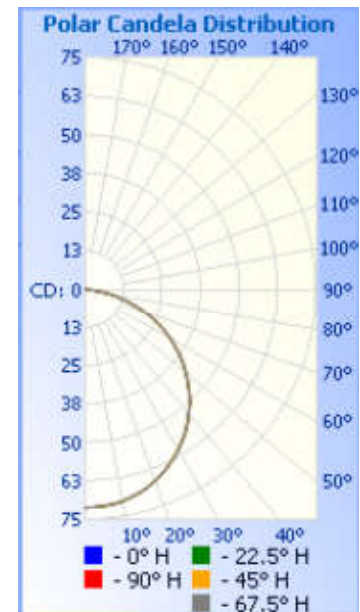
Input Wattage: 5.4

Luminous Opening: Circular (Dia: 2.04")

Test Lab: Intertek

Photometry : Type C

Nema Type: 7 X 7



## Roadway Summary

Cutoff Classification:	FULL CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	7.3	
	Lumens	% Lamp
Downward Street Side:	101.2	50%
Downward House Side:	101.2	50%
Downward Total:	202.4	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	202.4	100%

## Zonal Lumen Summary

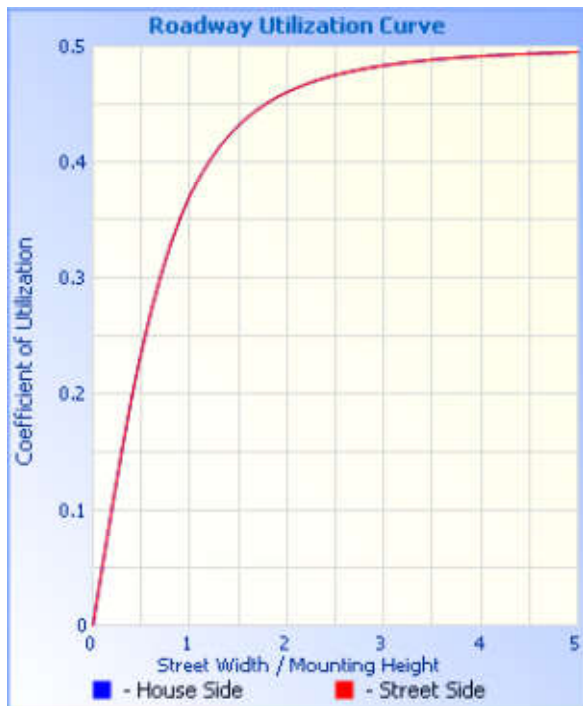
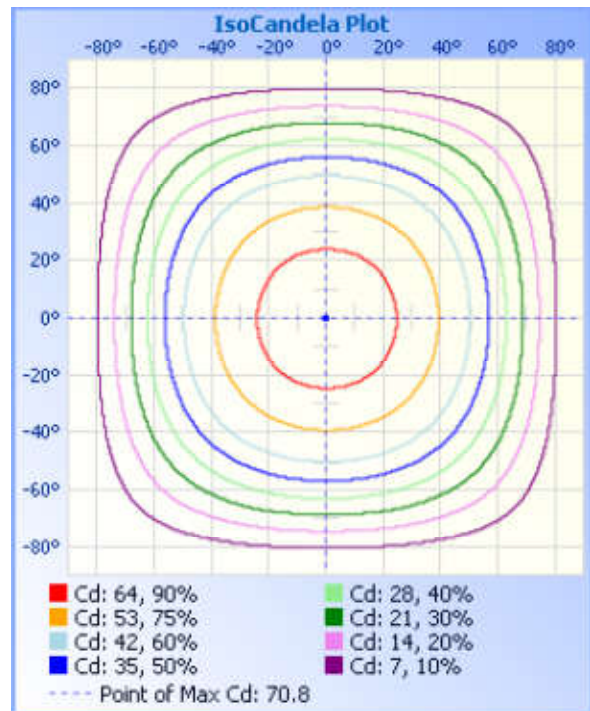
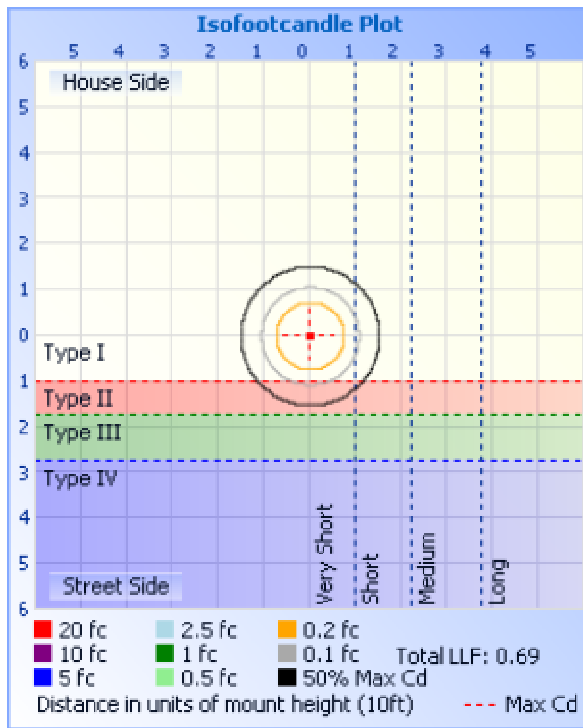
Zone	Lumens	% Luminaire
0-30	55.2	27.3%
0-40	90.4	44.7%
0-60	160.3	79.2%
60-90	42.2	20.8%
70-100	17.0	8.4%
90-120	0	0%
0-90	202.4	100%
90-180	0	0%
0-180	202.4	100%

## Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.5%	199.5	160.4	160.4
Beam (50%):	73.8%	149.4	113.2	113.1
Total:	100%	202.4		

## Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	6.7	3.3%	90-100	0	0%
10-20	19.3	9.5%	100-110	0	0%
20-30	29.2	14.4%	110-120	0	0%
30-40	35.3	17.4%	120-130	0	0%
40-50	36.6	18.1%	130-140	0	0%
50-60	33.2	16.4%	140-150	0	0%
60-70	25.2	12.4%	150-160	0	0%
70-80	13.9	6.9%	160-170	0	0%
80-90	3.1	1.5%	170-180	0	0%



**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2	.99	.91	.84	.78	.96	.89	.82	.71	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3	.90	.80	.71	.65	.88	.78	.70	.60	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59

4	.82	.70	.62	.55	.80	.69	.61	.52	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5	.76	.63	.54	.47	.74	.62	.53	.45	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6	.70	.57	.48	.41	.68	.56	.47	.40	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7	.65	.51	.42	.36	.63	.50	.42	.35	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8	.60	.47	.38	.32	.59	.46	.38	.31	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9	.56	.43	.35	.29	.55	.42	.34	.28	.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







**Luminaire Report Summary**

IESNA:LM-63-2002  
[LUMCAT] CRT1707211232-001, Model: 4D12V27xxx  
[LUMINAIRE] 12V LED Disk Light  
[LAMP] LED  
[USER DEFINED] 120.03 VAC, 102.63 mA, 5.397 W, 0.4382 PF  
[TEST]  
[TESTLAB] Intertek  
[ISSUEDATE] 07/27/2017  
[MANUFAC] Kichler Lighting

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 17  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: STANDARD  
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer s data file, based on IES recommended methods.