

KICHLER®

KICHLER PHOTOMETRIC LAB

Filename: CTR182257-06 6COB316H30WH

Manufacturer: Kichler

Luminaire: 6COB316H30WH

Luminaire Cat: CTR182257-06

Lamp Output: Total luminaire Lumens: 176.2

Max Candela: 43.7 at Horizontal: 5°, Vertical: 5°

Input Wattage: 1.84

Luminous Opening: Rectangle (L: 12", W: 0.5")

Test: 519

Test Lab: Kichler

Photometry: Type C

Roadway Summary

Cutoff Classification: NONCUTOFF

Distribution: TYPE III, VERY SHORT

Max Cd, 90 Deg Vert: 9.8

Max Cd, 80 to <90 Deg: 16.4

	Lumens	% Lamp
Downward Street Side:	81.1	46.1%
Downward House Side:	82.3	46.7%
Downward Total:	163.4	92.8%
Upward Street Side:	6.2	3.5%
Upward House Side:	6.6	3.7%
Upward Total:	12.7	7.2%
Total Lumens:	176.2	100%

Zonal Lumen Summary

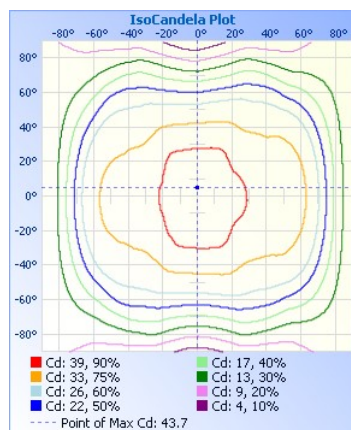
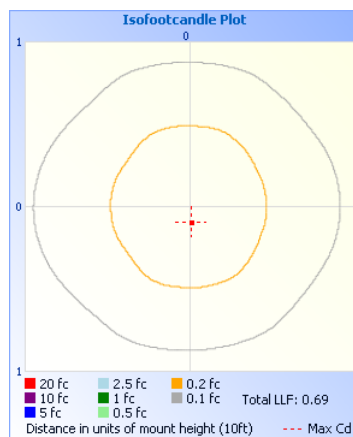
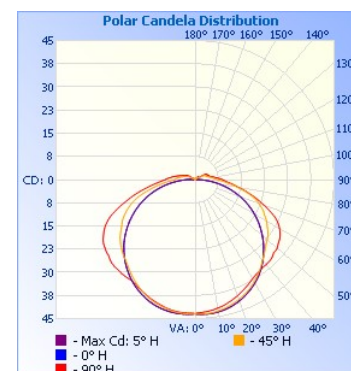
Zone	Lumens	% Luminaire
0-30	34.5	19.6%
0-40	57.6	32.7%
0-60	110.5	62.7%
60-90	52.9	30%
70-100	34.2	19.4%
90-120	11.5	6.5%
0-90	163.4	92.8%
90-180	12.8	7.2%
0-180	176.2	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.5%	170.0	n/a	172.1
Beam (50%):	75.1%	132.3	145.9	123
Total:	100%	176.2		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	4.1	2.3%	90-100	5.7	3.2%
10-20	11.9	6.8%	100-110	3.6	2.1%
20-30	18.4	10.5%	110-120	2.1	1.2%
30-40	23.1	13.1%	120-130	0.7	0.4%
40-50	26.1	14.8%	130-140	0.3	0.2%
50-60	26.8	15.2%	140-150	0.1	0.1%
60-70	24.5	13.9%	150-160	0.1	0%
70-80	18.0	10.2%	160-170	0.0	0%
80-90	10.4	5.9%	170-180	0.0	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	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.17	1.17	1.17	1.17	1.14	1.14	1.14	.93	1.07	1.07	1.07	1.01	1.01	1.01	1.01	.95	.95	.95	.95	.93	
1	1.04	.99	.93	.89	1.01	.96	.91	.73	.90	.86	.82	.85	.82	.79	.80	.77	.75	.72	.75	.72	
2	.94	.84	.76	.70	.90	.82	.74	.59	.77	.71	.66	.72	.67	.63	.68	.64	.60	.58	.60	.58	
3	.85	.73	.64	.57	.81	.71	.62	.49	.67	.59	.54	.63	.57	.52	.59	.54	.50	.47	.50	.47	
4	.77	.64	.54	.47	.74	.62	.53	.41	.59	.51	.45	.55	.49	.43	.52	.47	.42	.39	.42	.39	
5	.71	.57	.47	.40	.68	.55	.46	.35	.52	.44	.38	.49	.42	.37	.47	.41	.36	.33	.36	.33	
6	.65	.51	.41	.34	.62	.49	.40	.31	.47	.39	.33	.44	.37	.32	.42	.36	.31	.29	.31	.29	
7	.60	.46	.36	.30	.58	.45	.36	.27	.42	.34	.29	.40	.33	.28	.38	.32	.27	.25	.27	.25	
8	.56	.42	.33	.26	.54	.40	.32	.24	.39	.31	.26	.37	.30	.25	.35	.29	.24	.22	.24	.22	
9	.52	.38	.29	.24	.50	.37	.29	.22	.35	.28	.23	.34	.27	.22	.32	.26	.22	.20	.22	.20	
10	.49	.35	.27	.21	.47	.34	.26	.19	.33	.25	.21	.31	.25	.20	.30	.24	.20	.18	.20	.18	

Candela Table - Type C

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245				
0	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
1	44	44	43	43	43	44	44	44	44	44	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	43	43	44	44	44	44	43	43	43	43	43	
2	44	44	43	43	43	44	44	44	44	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	43	43	43	43	44	44	43	43	43	44	44	44	44	44	43	43	43	43	43	43	
3	44	44	43	43	43	44	44	44	44	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	43	43	44	44	43	43	43	44	44	44	44	44	43	43	43	43	43	43	
4	44	44	43	43	43	44	44	44	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	43	44	44	43	43	43	44	44	44	44	43	43	43	43	43	43	
5	44	44	43	43	43	44	44	44	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	44	44	43	43	43	44	44	43	43	43	43	43	43	43	43	43	
6	44	44	43	43	43	44	44	44	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	43	44	44	43	43	43	44	44	43	43	43	43	43	43	43	43	43	
7	44	44	43	43	43	44	44	44	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	43	44	44	43	43	43	44	44	43	43	43	43	43	43	43	43	
8	44	44	43	43	43	44	44	44	43	43	43	43	43	43	43	43	43	43	42	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	44	43	43	43	44	44	43	43	43	44	43	43	43	43	43	43	43	43	43	
9	43	44	43	43	43	43	44	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	43	43	43	43	43	43	43	43	43	44	44	43	43	43	44	43	43	43	43	43	43	43	43	43	43	
10	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
11	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
12	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
13	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
14	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
15	43	43	43	43	43	43	43	43	43	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
16	43	43	42	42	43	43	43	43	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
17	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
18	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
19	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
20	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
21	41	42	41	41	41	41	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
22	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
23	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
24	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
25	40	40	40	40	40	41	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
26	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
27	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
28	39	39	39	39	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
29	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
30	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
31	38	38	38	38	39	39	38	38	37	37	37	37	37	37	37	37	37	37																																				

file:///C:/ProgramData/PhotometricsPro/temp/CTR182257-06_6COB316H30WH_rep.htm 2/16/2026

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] 519
[TESTLAB] Kichler
[ISSUEDATE] 2/12/2026 7:48:43 AM
[MANUFAC] Kichler
[LUMCAT] CTR182257-06
[LUMINAIRE] 6COB316H30WH
[_TOTALLUMINAIRELUMENS] 176.2
[_AMBIENT] 23.4 DEG C
[_POWERFACTOR] 1.0000
[_ATHD] 0.08%
[_CURRENT] 0.08
[_VOLTAGE] 23.02
[_STABILIZATION] 32:50.7 STABLE
[_POWER VARIATION] 0.00%
[_LIGHT VARIATION] 0.33%
[_LUMENS] 176.19
[_END VOLTS] 23.02
[_END CURRENT] 0.08
[_END POWER] 1.84

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 73
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

Photometrics Pro 1.3.29 copyright 2003-2026 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.