

KICHLER®

KICHLER PHOTOMETRIC LAB

Filename: CTR182257-04 6COB116HTUNWH

Manufacturer: Kichler

Luminaire: 6COB116HTUNWH

Luminaire Cat: CTR182257-04

Lamp Output: Total luminaire Lumens: 154.9

Max Candela: 38.8 at Horizontal: 5°, Vertical: 5°

Input Wattage: 1.84

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

Test: 521

Test Lab: Kichler

Photometry: Type C

Roadway Summary

Cutoff Classification: NONCUTOFF

Distribution: TYPE III, VERY SHORT

Max Cd, 90 Deg Vert: 11.7

Max Cd, 80 to <90 Deg: 18.7

Lumens % Lamp

Downward Street Side: 73.7 47.6%

Downward House Side: 74.0 47.8%

Downward Total: 147.7 95.4%

Upward Street Side: 3.4 2.2%

Upward House Side: 3.7 2.4%

Upward Total: 7.1 4.6%

Total Lumens: 154.9 100%

Flood Summary

Efficiency Lumens Horizontal Spread Vertical Spread

Field (10%): 98.8% 152.9 n/a 173.7

Beam (50%): 75.7% 117.3 149.5 125.9

Total: 100% 154.9

Zonal Lumen Summary

Zone Lumens % Luminaire

0-30 30.7 19.8%

0-40 51.4 33.2%

0-60 97.2 62.8%

60-90 50.5 32.6%

70-100 35.4 22.9%

90-120 6.8 4.4%

0-90 147.7 95.4%

90-180 7.1 4.6%

0-180 154.9 100%

Lumens Per Zone

Zone Lumens % Total Zone Lumens % Total

0-10 3.6 2.3% 90-100 5.9 3.8%

10-20 10.6 6.8% 100-110 0.7 0.5%

20-30 16.5 10.6% 110-120 0.1 0.1%

30-40 20.7 13.4% 120-130 0.1 0.1%

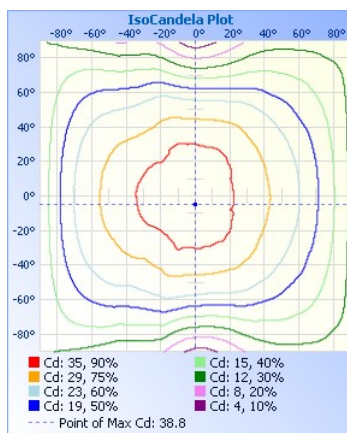
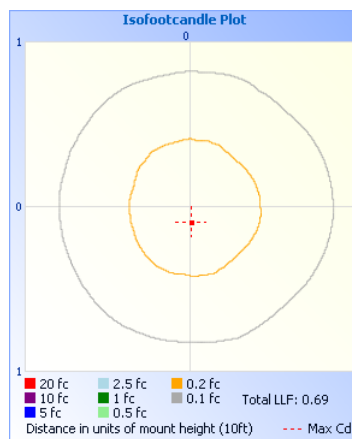
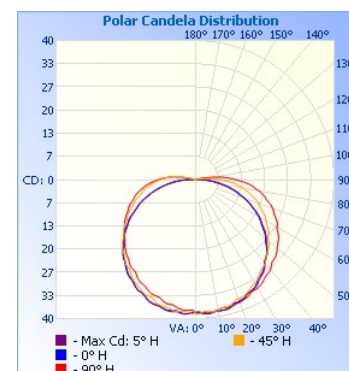
40-50 22.9 14.8% 130-140 0.1 0.1%

50-60 22.9 14.8% 140-150 0.1 0%

60-70 21.0 13.5% 150-160 0.1 0%

70-80 17.3 11.2% 160-170 0.0 0%

80-90 12.2 7.9% 170-180 0.0 0%



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	20	50	30	0	20	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.95	1.09	1.09	1.09	1.03	1.03	1.03	1.03	.98	.98	.98	.98	.95	
1	1.04	.98	.93	.88	1.01	.95	.90	.74	.90	.86	.82	.85	.82	.79	.81	.78	.75	.73	.73	.73	
2	.93	.84	.75	.69	.90	.81	.74	.60	.77	.70	.65	.73	.67	.63	.69	.65	.61	.58	.58	.58	
3	.84	.72	.63	.55	.81	.70	.62	.49	.67	.59	.53	.63	.57	.51	.60	.55	.50	.47	.47	.47	
4	.77	.63	.54	.46	.74	.62	.53	.42	.59	.51	.44	.56	.49	.43	.53	.47	.42	.40	.40	.40	
5	.70	.56	.46	.39	.68	.55	.46	.36	.52	.44	.38	.50	.42	.37	.47	.41	.36	.34	.34	.34	
6	.65	.50	.41	.34	.62	.49	.40	.31	.47	.39	.33	.45	.37	.32	.43	.36	.31	.29	.29	.29	
7	.60	.45	.36	.30	.58	.44	.36	.27	.42	.34	.29	.40	.33	.28	.39	.32	.28	.25	.25	.25	
8	.56	.41	.32	.26	.54	.40	.32	.24	.39	.31	.25	.37	.30	.25	.35	.29	.25	.22	.22	.22	
9	.52	.38	.29	.23	.50	.37	.29	.22	.35	.28	.23	.34	.27	.22	.33	.27	.22	.20	.20	.20	
10	.49	.35	.27	.21	.47	.34	.26	.20	.33	.26	.21	.31	.25	.20	.30	.24	.20	.18	.18	.18	

[illegible]

80	8	8	9	11	12	13	13	14	14	14	15	16	16	17	18	18	18	19	19	19	19	18	18	18	18	17	17	16	16	15	15	15	14	14	14	14	13	12	10	9	9	8	8	9	10	10	12	13	13	14	14	15	15	15
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file:///C:/ProgramData/PhotometricsPro/temp/CTR182257-04_6COB116HTUNWH_rep.h... 2/16/2026

Luminaire Report Summary

```
IESNA:LM-63-2002
[TEST] 521
[TESTLAB] Kichler
[ISSUEDATE] 2/16/2026 6:40:35 AM
[MANUFAC] Kichler
[LUMCAT] CTR182257-04
[LUMINAIRE] 6COB116HTUNWH
[_TOTALLUMINAIRELUMENS] 154.9
[_AMBIENT] 23.3 DEG C
[_POWERFACTOR] 1.0000
[_ATHD] 0.08%
[_CURRENT] 0.08
[_VOLTAGE] 23.04
[_STABILIZATION] 32:30.3 STABLE
[_POWER VARIATION] 0.00%
[_LIGHT VARIATION] 0.40%
[_LUMENS] 154.88
[_END VOLTS] 23.04
[_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
```

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