

KICHLER®

KICHLER PHOTOMETRIC LAB

Filename: CTR182257-01 6COB116S30WH

Manufacturer: Kichler

Luminaire: 6COB116S30WH

Luminaire Cat: CTR182257-01

Lamp Output: Total luminaire Lumens: 159.5

Max Candela: 41.9 at Horizontal: 5°, Vertical: 5°

Input Wattage: 1.81

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

Test: 517

Test Lab: Kichler

Photometry: Type C

Roadway Summary

Cutoff Classification:	NONCUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	11.9
Max Cd, 80 to <90 Deg:	17.8
Lumens % Lamp	
Downward Street Side:	77.1 48.4%
Downward House Side:	76.8 48.2%
Downward Total:	154.0 96.5%
Upward Street Side:	2.8 1.7%
Upward House Side:	2.7 1.7%
Upward Total:	5.5 3.5%
Total Lumens:	159.5 100%

Flood Summary

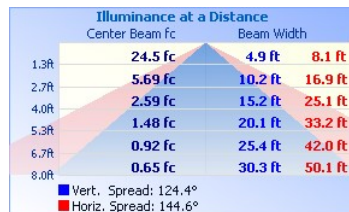
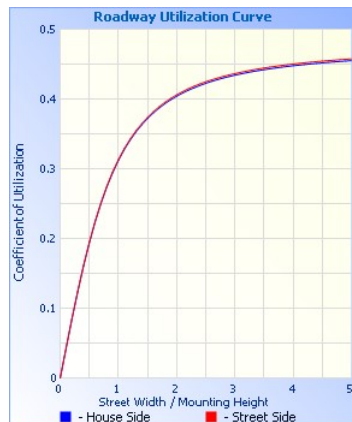
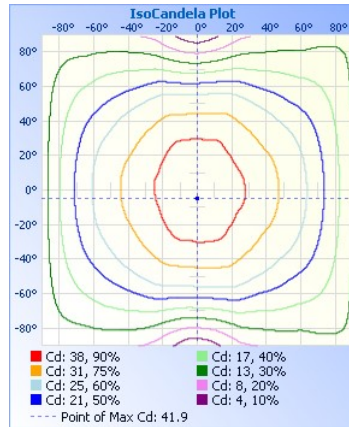
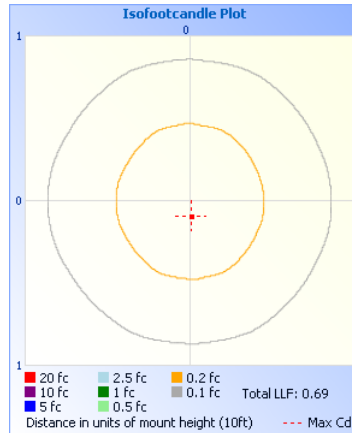
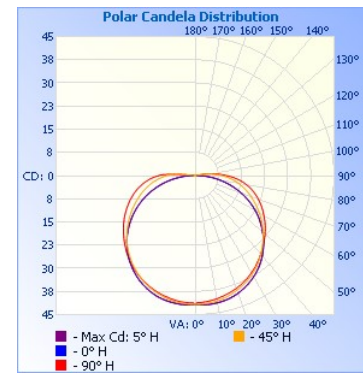
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.8%	157.5	n/a	171.1
Beam (50%):	74.5%	118.8	144.6	124.4
Total:	100%	159.5		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	33.1	20.8%
0-40	55.3	34.7%
0-60	103.4	64.8%
60-90	50.6	31.7%
70-100	33.9	21.3%
90-120	5.1	3.2%
0-90	154.0	96.5%
90-180	5.5	3.5%
0-180	159.5	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	3.9	2.5%	90-100	4.7	3%
10-20	11.4	7.2%	100-110	0.3	0.2%
20-30	17.7	11.1%	110-120	0.1	0.1%
30-40	22.1	13.9%	120-130	0.1	0.1%
40-50	24.2	15.2%	130-140	0.1	0.1%
50-60	23.9	15.0%	140-150	0.1	0%
60-70	21.4	13.4%	150-160	0.1	0%
70-80	17.3	10.8%	160-170	0.0	0%
80-90	11.9	7.4%	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		50	30	20		50	30	20		0
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.97	1.09	1.09	1.09		1.04	1.04	1.04		.99	.99	.99		.97
1	1.05	.99	.93	.88	1.02	.96	.91	.75	.91	.87	.83		.86	.83	.80		.82	.79	.77		.74
2	.94	.84	.76	.69	.91	.82	.75	.61	.78	.72	.66		.74	.69	.64		.70	.66	.62		.60
3	.85	.73	.64	.56	.82	.71	.63	.51	.68	.60	.54		.64	.58	.53		.61	.56	.51		.49
4	.77	.64	.54	.47	.75	.63	.53	.43	.60	.52	.45		.57	.50	.44		.54	.48	.43		.41
5	.71	.57	.47	.40	.69	.56	.46	.37	.53	.45	.39		.51	.44	.38		.48	.42	.37		.35
6	.65	.51	.41	.35	.63	.50	.41	.32	.48	.40	.34		.46	.38	.33		.44	.37	.32		.30
7	.60	.46	.37	.30	.58	.45	.36	.28	.43	.35	.29		.41	.34	.29		.40	.33	.29		.26
8	.56	.42	.33	.27	.54	.41	.33	.25	.39	.32	.26		.38	.31	.26		.36	.30	.25		.23
9	.52	.38	.30	.24	.51	.38	.29	.23	.36	.29	.23		.35	.28	.23		.34	.27	.23		.21
10	.49	.35	.27	.22	.48	.35	.27	.21	.33	.26	.21		.32	.26	.21		.31	.25	.21		.19

	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									
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file:///C:/ProgramData/PhotometricsPro/temp/CTR182257-01_6COB116S30WH_rep.htm 2/16/2026

Luminaire Report Summary

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[TEST] 517
[TESTLAB] Kichler
[ISSUEDATE] 2/11/2026 8:10:09 AM
[MANUFAC] Kichler
[LUMCAT] CTR182257-01
[LUMINAIRE] 6COB116S30WH
[_TOTALLUMINAIRELUMENS] 159.5
[_AMBIENT] 23.7 DEG C
[_POWERFACTOR] 1.0000
[_ATHD] 0.08%
[_CURRENT] 0.08
[_VOLTAGE] 24.00
[_STABILIZATION] 30:26.6 STABLE
[_POWER VARIATION] 0.00%
[_LIGHT VARIATION] 0.06%
[_LUMENS] 159.49
[_END VOLTS] 24.00
[_END CURRENT] 0.08
[_END POWER] 1.81
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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.