

KICHLER

Filename: 11150NILED-Photometric Report

Manufacturer: Kichler Lighting

Luminaire: Wall Sconces

Luminaire Cat: 11150NILED

Lamp: LED

Lamp Cat: LED

Lamp Output: 1 lamp, rated Lumens/lamp: 1917.4

Max Candela: 358.1 at Horizontal: 0°, Vertical: 0°

Input Wattage: 24.62

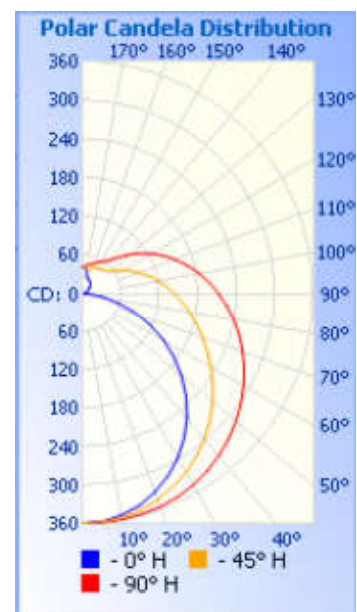
Luminous Opening: Rectangle w/Luminous Sides (L: 36.46", W: 2.28", H: 2.28")

Test: LCZP16100036

Test Date: 2016-10-12

Test Lab: LCTECH

Photometry : Type C



Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	211.9	
Max Cd, 80 to <90 Deg:	239.1	
	Lumens	% Lamp
Downward Street Side:	725.0	37.8%
Downward House Side:	725.0	37.8%
Downward Total:	1,450.0	75.6%
Upward Street Side:	233.5	12.2%
Upward House Side:	233.5	12.2%
Upward Total:	467.1	24.4%
Total Lumens:	1,917.0	100%

Zonal Lumen Summary

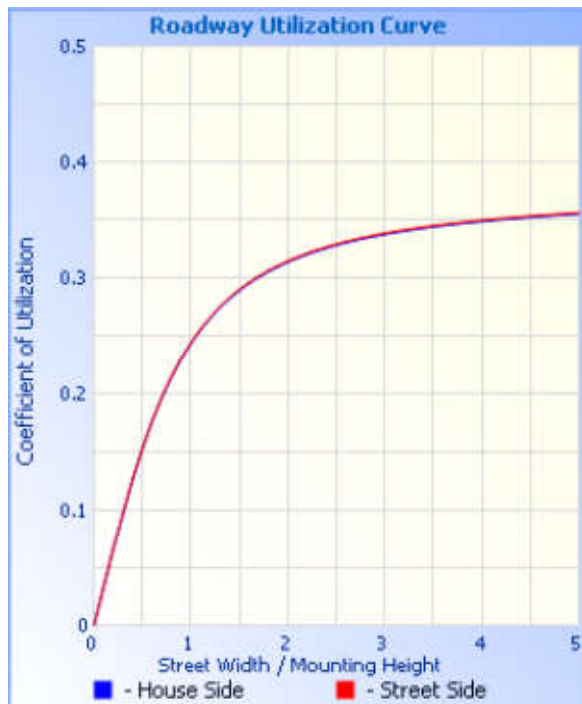
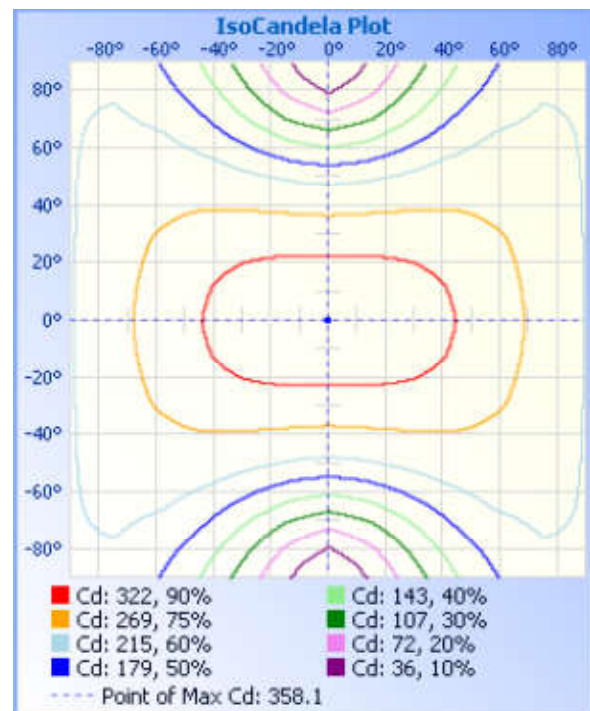
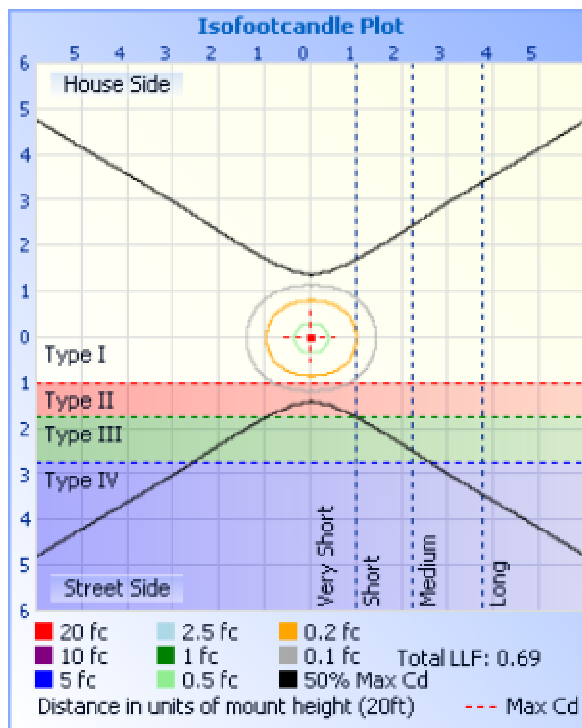
Zone	Lumens	% Lamp	% Luminaire
0-30	285.8	14.9%	14.9%
0-40	478.7	25%	25%
0-60	910.0	47.5%	47.5%
60-90	539.7	28.1%	28.2%
70-100	463.3	24.2%	24.2%
90-120	308.2	16.1%	16.1%
0-90	1,449.7	75.6%	75.6%
90-180	467.2	24.4%	24.4%
0-180	1,916.9	100%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98%	1,879.3	n/a	158.6
Beam (50%):	68.9%	1,320.2	n/a	108.1
Total:	100%	1,917.3		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	34.0	1.8%	90-100	128.0	6.7%
10-20	98.5	5.1%	100-110	102.3	5.3%
20-30	153.3	8.0%	110-120	77.9	4.1%
30-40	192.9	10.1%	120-130	56.2	2.9%
40-50	214.2	11.2%	130-140	39.4	2.1%
50-60	217.1	11.3%	140-150	28.6	1.5%
60-70	204.5	10.7%	150-160	19.7	1%
70-80	181.3	9.5%	160-170	11.2	0.6%
80-90	153.9	8.0%	170-180	3.8	0.2%



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	0	50	30	20	0	50	30	20	0	50	30	20	0
RCR: 0	1.13	1.13	1.13	1.13	1.08	1.08	1.08	.76	.98	.98	.98	.88	.88	.88	.80	.80	.80	.80	.76	.76	.76	.76	.76	.76
1	1.00	.94	.88	.83	.94	.89	.84	.57	.80	.76	.73	.72	.69	.66	.65	.62	.60	.56	.56	.56	.56	.56	.56	.56
2	.90	.80	.72	.65	.84	.76	.69	.46	.68	.63	.58	.61	.57	.53	.55	.51	.48	.44	.44	.44	.44	.44	.44	.44
3	.81	.69	.60	.53	.76	.66	.58	.38	.59	.52	.47	.53	.48	.43	.48	.43	.39	.36	.36	.36	.36	.36	.36	.36

4	.74	.61	.51	.44	.69	.58	.49	.32	.52	.45	.39	.47	.41	.36	.42	.37	.33	.30
5	.67	.54	.44	.37	.63	.51	.42	.27	.46	.39	.33	.42	.36	.31	.37	.32	.28	.25
6	.62	.48	.39	.32	.58	.46	.37	.23	.42	.34	.29	.38	.31	.27	.34	.29	.25	.22
7	.57	.43	.34	.28	.54	.41	.33	.21	.38	.30	.25	.34	.28	.23	.31	.26	.22	.19
8	.53	.39	.31	.25	.50	.38	.29	.18	.34	.27	.22	.31	.25	.21	.28	.23	.19	.17
9	.50	.36	.28	.22	.47	.34	.27	.17	.31	.25	.20	.29	.23	.19	.26	.21	.17	.15
10	.46	.33	.25	.20	.44	.32	.24	.15	.29	.22	.18	.26	.21	.17	.24	.19	.16	.14

Candela Table - Type C

	0	15	30	45	60	75	90
0	358	358	358	358	358	358	358
5	357	356	357	357	357	358	358
10	351	351	353	354	356	357	357
15	342	343	346	349	352	355	356
20	329	331	336	342	348	352	354
25	314	317	324	333	341	348	350
30	296	300	309	322	333	342	345
35	275	280	293	309	324	335	338
40	253	259	275	295	314	326	330
45	228	236	255	280	302	316	321
50	201	212	235	264	289	305	311
55	174	187	214	247	275	294	300
60	145	161	193	231	262	282	289
65	115	135	173	214	248	270	277
70	86	110	154	199	234	258	265
75	58	87	136	183	221	245	252
80	32	67	120	169	208	232	239
85	12	51	106	156	194	218	225
90	3	39	93	143	181	205	212
95	3	32	82	130	167	191	198
100	4	26	72	118	154	176	183
105	6	21	63	106	140	162	169
110	7	19	55	94	126	147	154
115	9	21	47	83	113	132	139
120	11	23	41	72	99	117	123
125	13	25	39	62	86	102	108
130	14	26	38	54	74	88	93
135	17	28	38	50	63	74	79
140	19	30	39	48	57	64	68
145	21	32	39	47	54	59	61
150	23	33	40	46	51	55	57
155	23	32	39	45	49	52	53
160	24	31	37	42	47	49	50
165	28	33	36	38	43	47	47
170	36	37	39	38	38	43	46
175	42	42	43	42	40	37	40
180	42	42	42	42	42	42	42

Luminaire Report Summary

IESNA:LM-63-1995
[TEST] LCZP16100036
[TESTLAB] LCTECH
[DATE] 2016-10-12
[MANUFAC] Kichler Lighting
[LUMCAT] 11150NILED
[LUMINAIRE] Wall Sconces
[LAMPCAT] LED
[LAMP] LED
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 7
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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