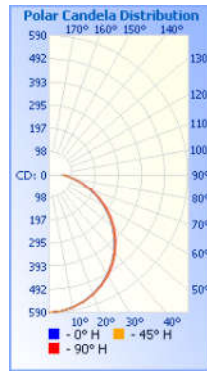


**Filename: 10765NILED-Photometric Report**

Manufacturer: KICHLER LIGHTING  
 Luminaire: 10765LED  
 Luminaire Cat: CCT: 3115K, CRI: 93.9Ra  
 Lamp: LED\_DOB  
 Lamp Output: Total luminaire Lumens: 1857.9  
 Max Candela: 587.7 at Horizontal: 0°, Vertical: 0°  
 Input Wattage: 35  
 Luminous Opening: Point  
 Test Date: 2016-12-29  
 Photometry : Type C



**Roadway Summary**

Cutoff Classification:	SEMICUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	76.3	
Max Cd, 80 to <90 Deg:	139.7	
	Lumens % Lamp	
Downward Street Side:	898.2	48.3%
Downward House Side:	960.3	51.7%
Downward Total:	1,858.6	100%
Total Lumens:	1,858.6	100%

**Flood Summary**

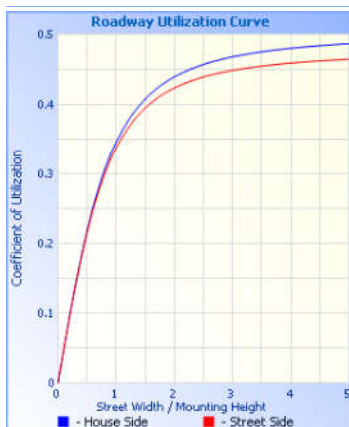
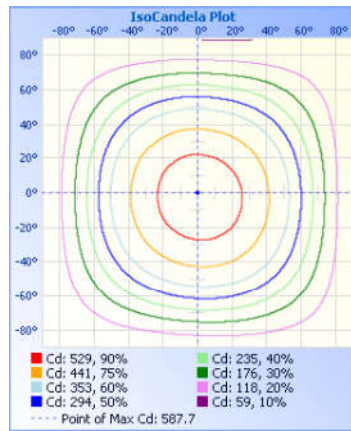
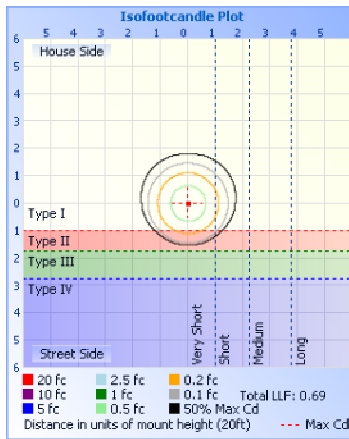
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	100%	1,857.9	n/a	89.4
Beam (50%):	71.4%	1,326.2	117.6	117.8
Total:	100%	1,857.9		

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	457.4	24.6%
0-40	753.6	40.6%
0-60	1,357.3	73.1%
60-90	500.6	26.9%
0-90	1,857.9	100%

**Lumens Per Zone**

Zone	Lumens	% Total
0-10	55.5	3.0%
10-20	159.2	8.6%
20-30	242.8	13.1%
30-40	296.1	15.9%
40-50	312.6	16.8%
50-60	291.2	15.7%
60-70	237.7	12.8%
70-80	165.6	8.9%
80-90	97.3	5.2%



**Illuminance at a Distance**

	Center Beam fc	Beam Width
17.0ft	2.03 fc	56.4 ft 56.1 ft
34.0ft	0.51 fc	112.7 ft 112.2 ft
51.0ft	0.23 fc	169.1 ft 168.3 ft
68.0ft	0.13 fc	225.5 ft 224.4 ft
85.0ft	0.08 fc	281.8 ft 280.5 ft
102.0ft	0.06 fc	338.2 ft 336.6 ft

Vert. Spread: 117.8°  
 Horiz. Spread: 117.6°

**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	0	50	30	20	10	0	50	30	20	10	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	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.02	1.00	1.00	
1	1.07	1.01	.97	.92	1.04	.99	.95	.81	.95	.91	.88	.88	.91	.88	.85	.87	.85	.82	.87	.85	.82	.80	.80	
2	.97	.88	.80	.74	.94	.86	.79	.67	.82	.76	.71	.71	.79	.74	.69	.76	.71	.68	.76	.71	.68	.66	.66	
3	.88	.76	.68	.61	.85	.75	.67	.56	.72	.65	.59	.59	.69	.63	.58	.66	.61	.57	.66	.61	.57	.55	.55	
4	.80	.67	.58	.51	.78	.66	.57	.48	.64	.56	.50	.50	.61	.55	.49	.59	.53	.48	.59	.53	.48	.46	.46	
5	.74	.60	.51	.44	.71	.59	.50	.42	.57	.49	.43	.43	.55	.48	.42	.53	.47	.42	.53	.47	.42	.40	.40	
6	.68	.54	.45	.38	.66	.53	.44	.37	.51	.43	.37	.37	.49	.42	.37	.48	.42	.37	.48	.42	.37	.35	.35	
7	.63	.49	.40	.33	.61	.48	.39	.32	.46	.39	.33	.33	.45	.38	.33	.44	.37	.32	.44	.37	.32	.30	.30	
8	.59	.45	.36	.30	.57	.44	.35	.29	.42	.35	.29	.29	.41	.34	.29	.40	.34	.29	.40	.34	.29	.27	.27	
9	.55	.41	.32	.27	.53	.40	.32	.26	.39	.32	.26	.26	.38	.31	.26	.37	.31	.26	.37	.31	.26	.24	.24	
10	.51	.38	.30	.24	.50	.37	.29	.24	.36	.29	.24	.24	.35	.29	.24	.34	.28	.24	.34	.28	.24	.22	.22	

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	2				
0	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	5			
5	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	584	584	584	584	584	584	584	584	584	584	584	584	584	585	585	585	585	585	585	585	585	585	585	585	585	585	585	585	!		
10	573	573	573	573	573	573	573	573	573	573	574	574	574	574	574	574	575	575	575	575	575	575	575	575	575	575	575	575	577	577	577	577	577	578	578	578	578	578	578	578	578	578	578	578	578	!	
15	559	559	559	559	559	559	559	559	559	559	560	560	560	560	561	561	561	561	561	561	561	562	562	562	562	562	563	563	563	563	564	564	564	564	564	565	565	566	566	566	566	566	566	566	566	566	!
20	541	541	541	541	541	541	541	541	541	542	542	542	543	543	543	543	544	544	545	545	545	546	546	546	547	547	547	548	549	549	550	550	550	551	551	551	551	551	551	551	552	552	552	552	552	552	!
25	518	518	518	518	518	519	519	519	519	519	520	520	520	521	521	522	522	523	523	524	524	525	525	526	527	527	528	529	529	530	531	532	533	534	535	535	536	537	538	538	539	539	539	540	!		
30	492	492	492	492	492	492	492	493	493	493	493	494	495	495	495	496	496	497	497	498	499	499	500	501	502	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	517	517	517	517	!	
35	462	462	461	461	461	462	462	462	463	463	464	464	465	466	466	467	467	468	469	469	470	471	472	473	474	474	476	477	477	477	479	480	481	482	484	485	486	487	488	488	489	490	490	491	!		
40	428	427	427	427	428	428	428	429	429	430	430	431	431	432	433	433	434	435	436	436	437	438	439	440	441	442	443	444	445	447	448	449	451	452	454	455	456	458	458	460	460	461	!				
45	390	390	390	390	391	391	391	392	392	393	393	394	395	395	396	397	398	398	399	400	401	402	403	404	405	407	408	409	410	411	413	415	416	418	419	421	422	423	424	426	426	427	!				
50	350	350	350	350	351	351	351	352	352	353	354	355	355	356	357	357	358	359	360	361	362	363	364	365	367	368	369	370	372	373	375	376	378	380	382	383	385	386	387	389	389	390	!				
55	309	308	309	309	309	309	310	310	310	311	312	313	314	314	315	316	317	318	319	320	321	322	323	324	326	327	328	330	331	333	334	336	338	339	341	343	345	346	348	349	349	350	!				
60	266	266	266	266	266	266	266	267	267	268	269	270	271	271	272	273	274	275	276	277	278	279	280	282	283	284	286	287	289	290	292	293	295	297	299	301	303	305	306	307	308	308	!				
65	222	222	222	222	222	223	223	223	224	225	225	226	227	228	229	229	230	231	232	233	235	236	237	238	240	241	242	244	246	247	249	250	252	254	256	258	260	262	263	264	265	265	!				
70	180	180	179	180	180	180	181	181	182	183	183	184	185	186	187	188	188	189	191	192	193	194	195	197	198	200	201	203	204	206	207	209	211	213	215	217	219	220	221	222	222	!					
75	140	139	139	139	139	140	140	141	141	142	143	144	144	145	146	147	148	149	150	151	152	153	154	156	157	158	160	161	163	164	166	167	169	171	173	175	177	178	179	179	180	!					
80	104	104	104	104	104	104	104	105	105	106	106	107	108	108	109	109	110	111	112	113	114	115	116	117	118	119	120	122	123	124	125	127	129	130	132	133	135	137	138	139	139	140	!				
85	76	76	76	76	76	76	77	77	77	78	78	78	79	79	80	80	81	82	82	83	84	84	85	86	87	88	89	90	91	92	93	94	95	97	98	99	100	102	103	104	104	!					
90	56	56	56	56	56	56	57	57	57	57	57	58	58	58	59	59	59	60	60	61	61	62	63	63	64	65	65	66	67	67	68	69	70	71	72	73	74	75	75	76	76	76	!				

**Luminaire Report Summary**

IESNA:LM-63-1995  
[TEST]  
[DATE] 2016-12-29  
[MANUFAC] KICHLER LIGHTING  
[LUMCAT] CCT: 3115K, CRI: 93.9Ra  
[LUMINAIRE] 10765LED  
[LAMP] LED\_DOB

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 19, HORIZONTAL ANGLES: 73  
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.