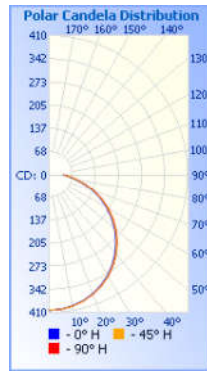


Filename: 10764NILED-Photometric Report

Manufacturer: KICHLER LIGHTING
 Luminaire: 10764LED
 Luminaire Cat: CCT: 3115K, CRI: 93.8Ra
 Lamp: LED_DOB
 Lamp Output: Total luminaire Lumens: 1290.1
 Max Candela: 401.7 at Horizontal: 0°, Vertical: 0°
 Input Wattage: 23.7
 Luminous Opening: Point
 Test Date: 2016-12-29
 Photometry : Type C



Roadway Summary

Cutoff Classification:	SEMICUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	47.7	
Max Cd, 80 to <90 Deg:	89.8	
	Lumens % Lamp	
Downward Street Side:	635.3	49.2%
Downward House Side:	655.3	50.8%
Downward Total:	1,290.5	100%
Total Lumens:	1,290.5	100%

Flood Summary

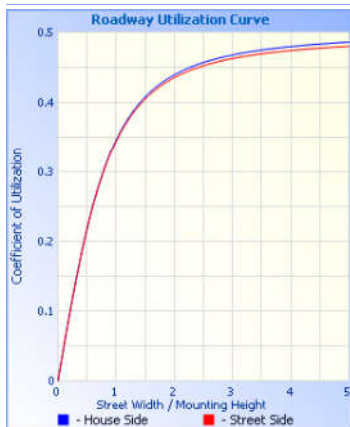
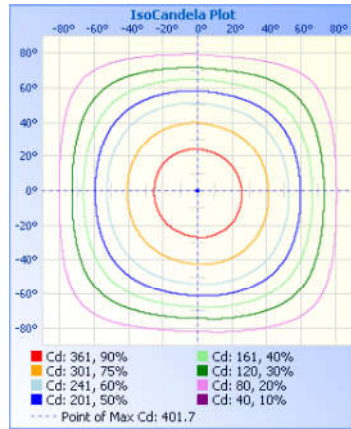
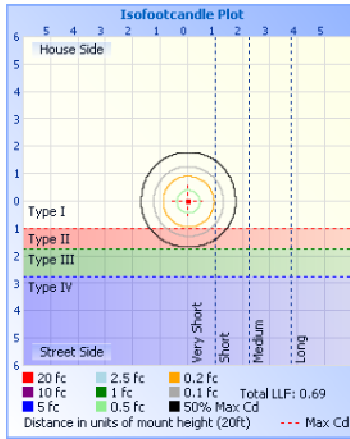
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	100%	1,290.1	n/a	90
Beam (50%):	72.2%	931.8	119.3	119.4
Total:	100%	1,290.1		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	314.6	24.4%
0-40	519.4	40.3%
0-60	940.1	72.9%
60-90	350.0	27.1%
0-90	1,290.1	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	38.0	2.9%
10-20	109.3	8.5%
20-30	167.3	13.0%
30-40	204.8	15.9%
40-50	217.2	16.8%
50-60	203.4	15.8%
60-70	166.7	12.9%
70-80	116.0	9.0%
80-90	67.3	5.2%



Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	1.39 fc	58.1 ft	58.1 ft
34.0ft	0.35 fc	116.3 ft	116.2 ft
51.0ft	0.15 fc	174.4 ft	174.3 ft
68.0ft	0.09 fc	232.5 ft	232.4 ft
85.0ft	0.06 fc	290.7 ft	290.4 ft
102.0ft	0.04 fc	348.8 ft	348.5 ft

■ Vert. Spread: 119.4°
 ■ Horiz. Spread: 119.3°

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	.96	.92	1.04	.99	.95	.81	.95	.91	.88	.88	.91	.88	.85	.87	.85	.82	.87	.85	.82	.80	.80	
2	.97	.87	.80	.74	.94	.86	.79	.67	.82	.76	.71	.71	.79	.74	.69	.75	.71	.68	.75	.71	.68	.65	.65	
3	.88	.76	.68	.60	.85	.75	.67	.56	.72	.65	.59	.59	.69	.63	.58	.66	.61	.57	.66	.61	.57	.54	.54	
4	.80	.67	.58	.51	.78	.66	.57	.48	.63	.56	.50	.50	.61	.54	.49	.59	.53	.48	.59	.53	.48	.46	.46	
5	.74	.60	.50	.43	.71	.59	.50	.42	.57	.49	.43	.43	.55	.48	.42	.53	.47	.42	.53	.47	.42	.40	.40	
6	.68	.54	.44	.38	.66	.53	.44	.36	.51	.43	.37	.37	.49	.42	.37	.48	.41	.37	.48	.41	.37	.34	.34	
7	.63	.49	.40	.33	.61	.48	.39	.32	.46	.39	.33	.33	.45	.38	.33	.43	.37	.32	.43	.37	.32	.30	.30	
8	.58	.44	.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	.29	.24	.50	.37	.29	.24	.36	.29	.24	.24	.35	.28	.24	.34	.28	.24	.34	.28	.24	.22	.22	

Luminaire Report Summary

IESNA:LM-63-1995
[TEST]
[DATE] 2016-12-29
[MANUFAC] KICHLER LIGHTING
[LUMCAT] CCT: 3115K, CRI: 93.8Ra
[LUMINAIRE] 10764LED
[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.