

KICHLER

Filename: 43855XXLED30T

Manufacturer: Kichler Lighting

Luminaire: Surface Mount Downlight

Luminaire Cat: CRT1702161255-001-1, Model: 43855WHLED30T

Lamp: LED

Lamp Output: Total luminaire Lumens: 867.7

Max Candela: 311.9 at Horizontal: 0°, Vertical: 0°

Input Wattage: 12.3

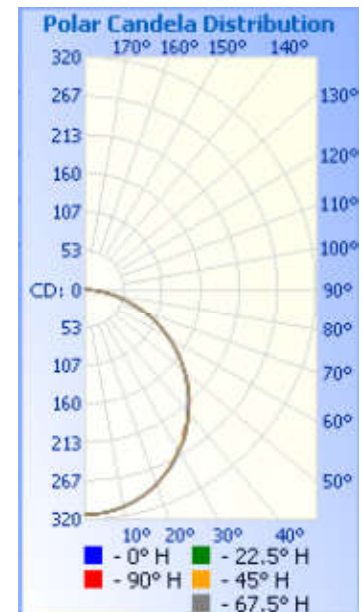
Luminous Opening: Circular (Dia: 3.5")

Test Lab: Intertek

Photometry : Type C

Cutoff Class: Cutoff

Nema Type: 7 X 7


Flood Summary

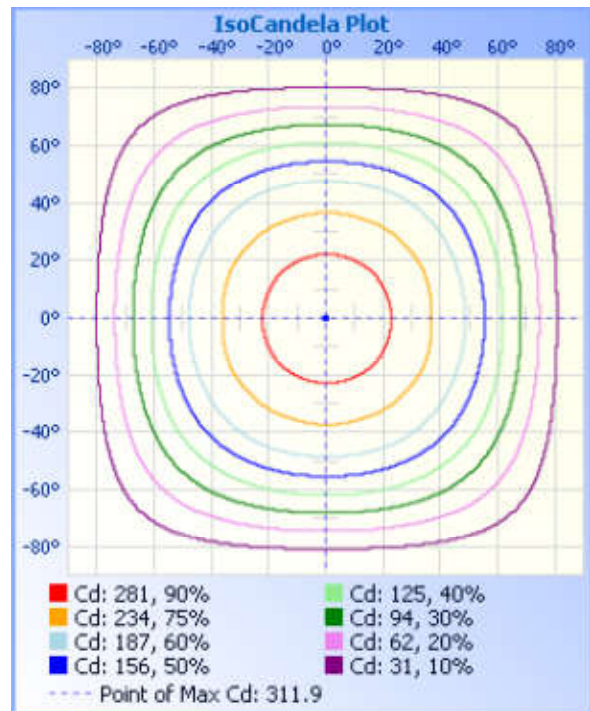
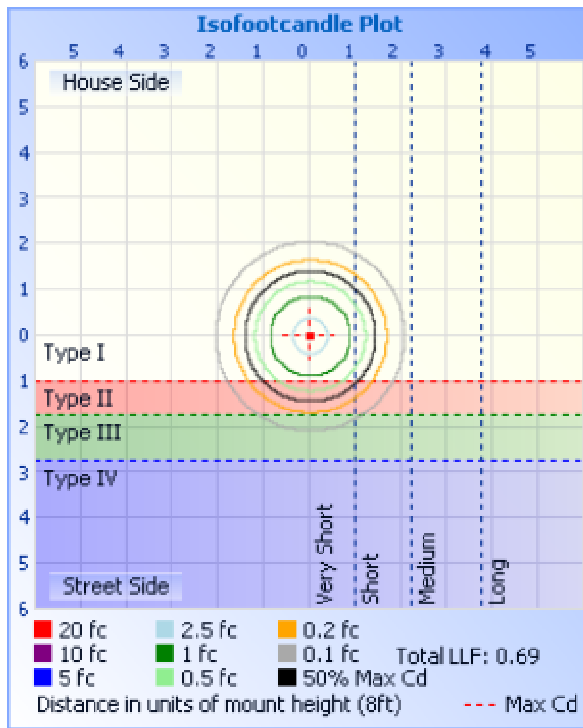
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.4%	853.7	160.9	160.8
Beam (50%):	71.4%	619.7	110	109.9
Total:	100%	867.3		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	239.5	27.6%
0-40	390.2	45%
0-60	684.7	78.9%
60-90	182.9	21.1%
70-100	76.9	8.9%
90-120	0.0	0%
0-90	867.6	100%
90-180	0.0	0%
0-180	867.7	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	29.4	3.4%	90-100	0.0	0%
10-20	84.0	9.7%	100-110	0	0%
20-30	126.0	14.5%	110-120	0	0%
30-40	150.7	17.4%	120-130	0	0%
40-50	155.1	17.9%	130-140	0	0%
50-60	139.4	16.1%	140-150	0	0%
60-70	106.1	12.2%	150-160	0	0%
70-80	61.2	7.1%	160-170	0	0%
80-90	15.6	1.8%	170-180	0	0%



Illuminance at a Distance

Center Beam fc	Beam Width
78.0 fc	5.7 ft
19.5 fc	11.4 ft
8.66 fc	17.1 ft
4.87 fc	22.8 ft
3.12 fc	28.5 ft
2.17 fc	34.2 ft

Vert. Spread: 109.9°
 Horiz. Spread: 110.0°

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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00			
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84			
2	.99	.91	.84	.78	.96	.89	.82	.71	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70			
3	.90	.79	.71	.65	.88	.78	.70	.60	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59			
4	.82	.70	.62	.55	.80	.69	.61	.52	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50			
5	.76	.63	.54	.47	.74	.62	.53	.45	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43			
6	.70	.57	.48	.41	.68	.56	.47	.40	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38			
7	.65	.51	.43	.36	.63	.51	.42	.35	.49	.41	.36	.48	.41	.36	.46	.40	.35	.33			
8	.60	.47	.38	.32	.59	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30			
9	.56	.43	.35	.29	.55	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27			
10	.53	.40	.32	.26	.52	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24			

Luminaire Report Summary

IESNA:LM-63-2002
[LUMCAT] CRT1702161255-001-1, Model: 43855WHLED30T
[LUMINAIRE] Surface Mount Downlight
[LAMP] LED
[USER DEFINED] 120.0 VAC, 107.93 mA, 12.314 W, 0.9507 PF
[TEST]
[TESTLAB] Intertek
[ISSUEDATE] 02/22/2017
[MANUFAC] Kichler Lighting

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 17
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.