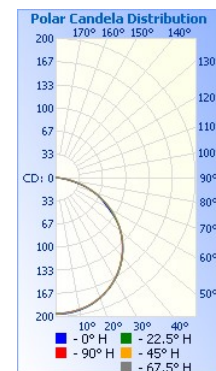


KICHLER®

KICHLER PHOTOMETRIC LAB

Filename: 8T1xxxU30WH**Manufacturer:** Kichler Lighting LLC**Luminaire:** Tape Light**Luminaire Cat:** CTR180472-04**Lamp:** 8T1xxxU30WH**Lamp Output:** Total luminaire Lumens: 565**Max Candela:** 195.4 at Horizontal: 0°, Vertical: 1°**Input Wattage:** 7.2**Luminous Opening:** Rectangle (L: 12.12", W: 0.36")**Test:** LM-79 Distribution**Test Lab:** Kichler Lighting**Photometry:** Type C**Nema Type:** 7 X 7**Roadway Summary**

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.4
Max Cd, 80 to <90 Deg:	21.0
Lumens % Lamp	
Downward Street Side:	283.0 50.1%
Downward House Side:	282.0 49.9%
Downward Total:	565.0 100%
Upward Street Side:	0.0 0%
Upward House Side:	0.0 0%
Upward Total:	0.0 0%
Total Lumens:	565.0 100%

Flood Summary

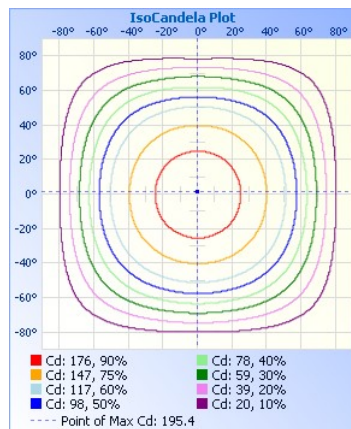
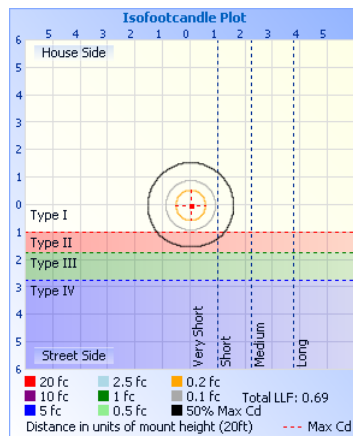
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.6%	556.9	160.4	158.2
Beam (50%):	75%	423.9	114.6	113.9
Total:	100%	564.8		

Zonal Lumen Summary

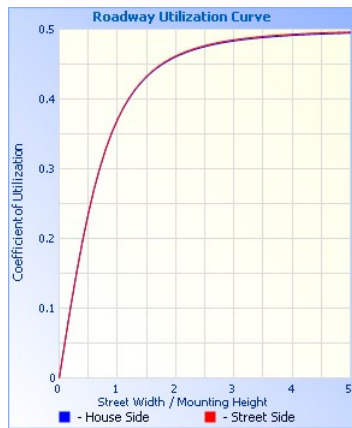
Zone	Lumens	% Luminaire
0-30	152.6	27%
0-40	251.2	44.5%
0-60	447.7	79.2%
60-90	117.2	20.7%
70-100	46.6	8.3%
90-120	0.0	0%
0-90	564.9	100%
90-180	0.0	0%
0-180	565.0	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	18.4	3.3%	90-100	0.0	0%
10-20	53.1	9.4%	100-110	0	0%
20-30	81.1	14.3%	110-120	0	0%
30-40	98.6	17.4%	120-130	0	0%
40-50	103.1	18.3%	130-140	0	0%
50-60	93.4	16.5%	140-150	0	0%
60-70	70.6	12.5%	150-160	0	0%
70-80	38.5	6.8%	160-170	0	0%
80-90	8.1	1.4%	170-180	0	0%



Illuminance at a Distance			
	Center Beam fc	Beam Width	
17.0ft	0.67 fc	52.2 ft	52.9 ft
34.0ft	0.17 fc	104.5 ft	105.8 ft
51.0ft	0.07 fc	156.7 ft	158.7 ft
68.0ft	0.04 fc	208.9 ft	211.6 ft
85.0ft	0.03 fc	261.2 ft	264.6 ft
102.0ft	0.02 fc	313.4 ft	317.5 ft
Vert. Spread: 113.9°			
Horiz. Spread: 114.6°			



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	50	30	20	10	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	1.00	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.98	.94	.91	.89	.94	.91	.89	.90	.88	.86	.84	.84	.84
2	.99	.91	.84	.78	.96	.89	.82	.71	.85	.80	.75	.74	.82	.78	.74	.79	.75	.72	.70	.70	.70
3	.90	.80	.71	.65	.88	.78	.70	.60	.75	.68	.63	.62	.72	.67	.62	.70	.65	.61	.59	.59	.59
4	.82	.70	.62	.55	.80	.69	.61	.52	.66	.59	.54	.53	.64	.58	.53	.62	.57	.52	.50	.50	.50
5	.76	.63	.54	.47	.74	.62	.53	.45	.60	.52	.46	.46	.58	.51	.46	.56	.50	.45	.43	.43	.43
6	.70	.56	.47	.41	.68	.56	.47	.40	.54	.46	.40	.40	.52	.45	.40	.50	.44	.40	.38	.38	.38
7	.65	.51	.42	.36	.63	.50	.42	.35	.49	.41	.36	.35	.47	.41	.35	.46	.40	.35	.33	.33	.33
8	.60	.47	.38	.32	.59	.46	.38	.31	.45	.37	.32	.32	.43	.37	.32	.42	.36	.31	.30	.30	.30
9	.56	.43	.35	.29	.55	.42	.34	.28	.41	.34	.29	.29	.40	.33	.29	.39	.33	.28	.27	.27	.27
10	.53	.39	.31	.26	.51	.39	.31	.26	.38	.31	.26	.26	.37	.30	.26	.36	.30	.26	.24	.24	.24

[illegible]

Maximum Im: 0.4
Field Im: 556.9
Total Im: 564.8

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	195	195	195	195	195	195	195	195	195
1	195	195	195	194	194	194	194	195	195
2	195	195	194	194	194	194	194	195	195
3	195	195	194	194	194	194	194	194	195
4	195	194	194	194	194	194	194	194	195
5	195	194	194	194	193	194	194	194	194
6	194	194	193	193	193	193	193	194	194
7	194	193	193	193	193	193	193	193	194
8	194	193	193	193	192	193	193	193	193
9	193	193	192	192	192	192	192	192	193
10	192	192	192	192	191	192	192	192	192
11	192	191	191	191	191	191	191	191	192
12	191	191	190	190	190	190	190	191	191
13	190	190	190	190	189	190	190	190	190
14	190	189	189	189	189	189	189	189	190
15	189	188	188	188	188	188	188	188	189
16	188	187	187	187	187	187	187	187	188
17	187	186	186	186	186	186	186	186	187
18	186	185	185	185	185	185	185	185	186
19	185	184	184	184	184	184	184	184	185
20	183	183	183	183	182	183	182	183	183
21	182	182	181	181	181	181	181	181	182
22	181	181	180	180	180	180	180	180	181
23	179	179	179	179	178	179	178	179	180
24	178	178	177	177	177	177	177	177	178
25	176	176	176	176	176	176	176	176	177
26	175	175	174	174	174	174	174	174	175
27	173	173	173	173	172	173	172	173	173
28	171	171	171	171	171	171	171	171	172
29	170	170	169	169	169	169	169	169	170
30	168	168	167	167	167	167	167	167	168
31	166	166	166	166	165	165	165	165	166
32	164	164	164	164	163	164	163	164	164
33	162	162	162	162	161	162	161	162	162
34	160	160	160	160	159	159	159	159	160
35	158	158	158	158	157	157	157	157	158
36	156	156	156	155	155	155	155	155	156
37	154	154	153	153	153	153	153	153	153
38	151	152	151	151	151	151	151	151	151
39	149	149	149	149	148	148	148	148	149
40	147	147	147	146	146	146	146	146	146
41	144	145	144	144	144	144	143	144	144
42	142	142	142	142	141	141	141	141	142
43	139	140	139	139	139	139	139	139	139
44	137	137	137	136	136	136	136	136	136
45	134	134	134	134	133	134	133	133	134
46	131	132	131	131	131	131	131	131	131
47	129	129	129	128	128	128	128	128	129
48	126	126	126	126	125	125	125	125	126
49	123	124	123	123	123	123	122	122	123
50	120	121	120	120	120	120	119	119	120
51	118	118	117	117	117	117	116	116	117
52	115	114	115	114	114	114	113	114	114
53	112	111	112	111	111	111	111	111	111
54	108	107	109	108	108	108	107	107	108
55	104	104	106	105	105	105	104	104	105
56	100	101	103	102	102	102	101	101	102
57	96	97	99	99	99	98	98	98	99
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61	81	84	86	86	85	85	85	85	85
62	78	81	83	83	82	82	82	81	82
63	75	78	80	79	79	78	78	78	79
64	73	74	76	76	75	75	75	75	75
65	70	71	73	72	72	72	71	71	72
66	67	67	69	69	68	68	68	67	68
67	64	64	66	65	65	64	64	64	64
68	61	60	62	62	61	61	61	60	61
69	58	57	58	58	58	57	57	57	57
70	54	53	55	55	54	54	53	53	54
71	50	50	51	51	51	50	50	50	50
72	46	47	48	48	47	47	47	47	47
73	42	43	45	45	44	44	43	43	44
74	38	40	41	41	40	40	40	39	40
75	33	36	38	37	37	37	36	36	37
76	29	32	34	34	33	33	33	33	33
77	26	29	31	31	30	30	29	29	30
78	22	25	27	27	27	26	26	26	26
79	18	22	24	24	23	23	23	22	22

80	15	18	21	21	20	20	20	19	18
81	13	16	18	18	17	17	17	16	15
82	10	13	15	15	14	14	14	13	12
83	7	11	12	12	11	11	11	10	9
84	5	8	10	9	9	9	9	8	7
85	4	7	7	7	6	6	6	6	5
86	2	5	5	5	4	4	5	4	3
87	0	3	4	3	3	3	3	3	1
88	0	2	2	2	1	1	2	2	0
89	0	1	1	1	0	0	1	1	0
90	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0
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94	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0	0	0
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98	0	0	0	0	0	0	0	0	0
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100	0	0	0	0	0	0	0	0	0
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106	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0
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112	0	0	0	0	0	0	0	0	0
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116	0	0	0	0	0	0	0	0	0
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126	0	0	0	0	0	0	0	0	0
127	0	0	0	0	0	0	0	0	0
128	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0
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164	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0
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177	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
[USER DEFINED] 1 foot representative distribution of any length 8T product of the
output and color temperature indicated in the file/part number.
[TEST] LM-79 Distribution
[TESTLAB] Kichler Lighting
[ISSUEDATE] 1/31/2019
[MANUFAC] Kichler Lighting LLC
[LUMCAT] CTR180472-04
[LUMINAIRE] Tape Light
[LAMP] 8T1xxxU30WH

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 9
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.