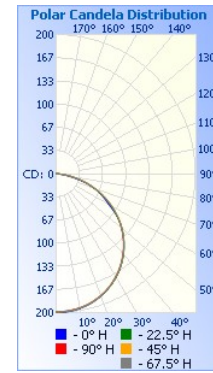


# KICHLER®

KICHLER PHOTOMETRIC LAB

**Filename:** 8T1xxxU40WH  
**Manufacturer:** Kichler Lighting LLC  
**Luminaire:** Tape Light  
**Luminaire Cat:** CTR180472-04  
**Lamp:** 8T1xxxU40WH  
**Lamp Output:** Total luminaire Lumens: 575  
**Max Candela:** 198.8 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

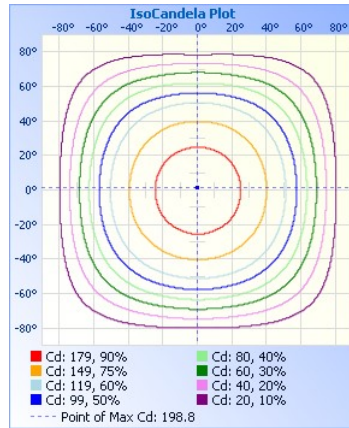
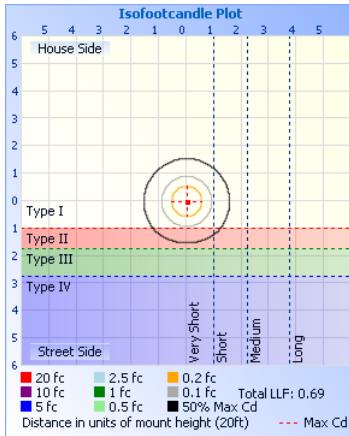


Roadway Summary	
Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.4
Max Cd, 80 to <90 Deg:	21.4
Lumens % Lamp	
Downward Street Side:	288.0 50.1%
Downward House Side:	287.0 49.9%
Downward Total:	575.0 100%
Upward Street Side:	0.0 0%
Upward House Side:	0.0 0%
Upward Total:	0.0 0%
Total Lumens:	575.0 100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.6%	566.8	160.4	158.2
Beam (50%):	75%	431.4	114.6	113.9
Total:	100%	574.8		

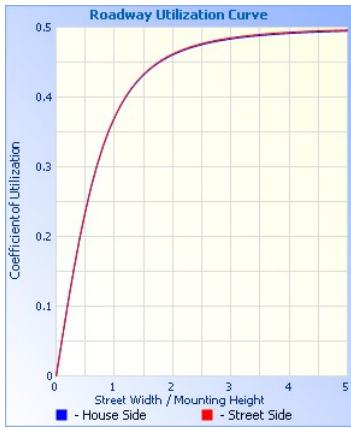
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	155.3	27%
0-40	255.6	44.5%
0-60	455.7	79.2%
60-90	119.3	20.7%
70-100	47.5	8.3%
90-120	0.0	0%
0-90	575.0	100%
90-180	0.0	0%
0-180	575.0	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	18.8	3.3%	90-100	0.0	0%
10-20	54.0	9.4%	100-110	0	0%
20-30	82.5	14.3%	110-120	0	0%
30-40	100.3	17.4%	120-130	0	0%
40-50	104.9	18.3%	130-140	0	0%
50-60	95.1	16.5%	140-150	0	0%
60-70	71.8	12.5%	150-160	0	0%
70-80	39.2	6.8%	160-170	0	0%
80-90	8.2	1.4%	170-180	0	0%



Distance	Illuminance at a Distance	
	Center Beam fc	Beam Width
17.0ft	0.69 fc	52.2 ft 52.9 ft
34.0ft	0.17 fc	104.5 ft 105.8 ft
51.0ft	0.08 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
RCC: 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	.86	.84	.84
2	.99	.91	.84	.78	.96	.89	.82	.71	.85	.80	.75	.74	.82	.78	.74	.79	.75	.72	.72	.70	.70
3	.90	.80	.71	.65	.88	.78	.70	.60	.75	.68	.63	.62	.72	.67	.62	.70	.65	.61	.61	.59	.59
4	.82	.70	.62	.55	.80	.69	.61	.52	.66	.59	.54	.53	.64	.58	.53	.62	.57	.52	.52	.50	.50
5	.76	.63	.54	.47	.74	.62	.53	.45	.60	.52	.46	.46	.58	.51	.46	.56	.50	.45	.45	.43	.43
6	.70	.56	.47	.41	.68	.56	.47	.40	.54	.46	.40	.40	.52	.45	.40	.50	.44	.40	.40	.38	.38
7	.65	.51	.42	.36	.63	.50	.42	.35	.49	.41	.36	.36	.47	.41	.35	.46	.40	.35	.35	.33	.33
8	.60	.47	.38	.32	.59	.46	.38	.31	.45	.37	.32	.32	.43	.37	.32	.42	.36	.31	.31	.30	.30
9	.56	.43	.35	.29	.55	.42	.34	.28	.41	.34	.29	.29	.40	.33	.29	.39	.33	.28	.28	.27	.27
10	.53	.39	.31	.26	.51	.39	.31	.26	.38	.31	.26	.26	.37	.30	.26	.36	.30	.26	.26	.24	.24



53.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0		
56.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0		
58.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	
61.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	
63.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	
66.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
68.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
71.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
73.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0
76.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0
78.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Maximum lm: 0.4  
Field lm: 566.8  
Total lm: 574.8

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	198	198	198	198	198	198	198	198	198
1	199	198	198	198	198	198	198	198	199
2	199	198	198	198	198	198	198	198	199
3	199	198	198	198	197	198	198	198	198
4	198	198	198	197	197	197	198	198	198
5	198	198	197	197	197	197	197	197	198
6	198	197	197	197	197	197	197	197	198
7	197	197	197	197	196	196	197	197	197
8	197	196	196	196	196	196	196	196	197
9	197	196	196	196	195	196	196	196	196
10	196	195	195	195	195	195	195	195	196
11	195	195	194	195	194	194	194	195	195
12	195	194	194	194	194	194	194	194	195
13	194	193	193	193	193	193	193	193	194
14	193	193	192	192	192	192	192	192	193
15	192	192	191	191	191	191	191	191	192
16	191	191	190	190	190	190	190	190	191
17	190	190	189	189	189	189	189	189	190
18	189	189	188	188	188	188	188	188	189
19	188	188	187	187	187	187	187	187	188
20	187	186	186	186	186	186	186	186	187
21	185	185	185	185	184	185	184	185	185
22	184	184	183	183	183	183	183	183	184
23	182	182	182	182	182	182	182	182	183
24	181	181	181	180	180	180	180	180	181
25	179	179	179	179	179	179	179	179	180
26	178	178	177	177	177	177	177	177	178
27	176	176	176	176	175	176	175	176	176
28	174	175	174	174	174	174	174	174	175
29	173	173	172	172	172	172	172	172	173
30	171	171	170	170	170	170	170	170	171
31	169	169	169	168	168	168	168	168	169
32	167	167	167	167	166	166	166	166	167
33	165	165	165	165	164	164	164	164	165
34	163	163	163	163	162	162	162	162	163
35	161	161	161	160	160	160	160	160	161
36	159	159	158	158	158	158	158	158	158
37	156	157	156	156	156	156	156	156	156
38	154	154	154	154	153	153	153	153	154
39	152	152	152	151	151	151	151	151	152
40	149	150	149	149	149	149	148	149	149
41	147	147	147	147	146	146	146	146	147
42	144	145	144	144	144	144	144	144	144
43	142	142	142	141	141	141	141	141	141
44	139	139	139	139	138	139	138	138	139
45	137	137	137	136	136	136	136	136	136
46	134	134	134	133	133	133	133	133	134
47	131	131	131	131	130	130	130	130	131
48	128	129	128	128	128	128	127	127	128
49	125	126	125	125	125	125	124	124	125
50	123	123	123	122	122	122	121	122	122
51	120	120	120	119	119	119	118	119	119
52	117	116	117	116	116	116	116	116	116
53	114	113	114	113	113	113	112	112	113
54	110	109	111	110	110	110	109	109	110
55	106	106	107	107	107	107	106	106	107
56	102	102	104	104	104	103	103	103	104
57	98	99	101	101	100	100	100	100	100
58	93	96	98	97	97	97	97	97	97
59	90	92	95	94	94	94	93	93	94
60	86	89	91	91	90	90	90	90	90
61	83	86	88	87	87	87	86	86	87
62	80	82	84	84	84	83	83	83	83
63	77	79	81	81	80	80	80	79	80
64	74	75	77	77	77	76	76	76	76
65	71	72	74	73	73	73	72	72	73
66	68	68	70	70	70	69	69	69	69
67	65	65	67	66	66	66	65	65	66
68	62	61	63	63	62	62	62	61	62
69	59	58	59	59	59	58	58	58	58
70	55	54	56	56	55	55	54	54	55
71	51	51	52	52	51	51	51	51	51
72	47	47	49	49	48	48	48	47	48
73	43	44	46	45	45	44	44	44	44
74	38	40	42	42	41	41	40	40	41
75	34	37	38	38	38	37	37	37	37
76	30	33	35	35	34	34	33	33	34
77	26	29	31	31	31	30	30	30	30
78	22	25	28	28	27	27	26	26	26
79	18	22	25	24	24	23	23	23	22

80	15	19	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	13	12	12	11	11	10	9
84	5	9	10	9	9	9	9	8	7
85	4	7	8	7	7	6	7	6	5
86	2	5	6	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
93	0	0	0	0	0	0	0	0	0
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
97	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0
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
111	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0
122	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0
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
130	0	0	0	0	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0
133	0	0	0	0	0	0	0	0	0
134	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0
136	0	0	0	0	0	0	0	0	0
137	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0
139	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0
142	0	0	0	0	0	0	0	0	0
143	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0
146	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0
148	0	0	0	0	0	0	0	0	0
149	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0
151	0	0	0	0	0	0	0	0	0
152	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0
154	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0
157	0	0	0	0	0	0	0	0	0
158	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0
161	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0

163	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0
180	0	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] 8T1xxxU40WH

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.