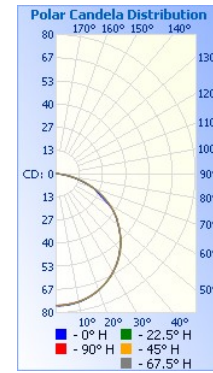


# KICHLER®

KICHLER PHOTOMETRIC LAB

**Filename:** 8T1xxxH40WH  
**Manufacturer:** Kichler Lighting LLC  
**Luminaire:** Tape Light  
**Luminaire Cat:** CTR180472-03  
**Lamp:** 8T1xxxH40WH  
**Lamp Output:** Total luminaire Lumens: 220  
**Max Candela:** 75.7 at Horizontal: 0°, Vertical: 1°  
**Input Wattage:** 3  
**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

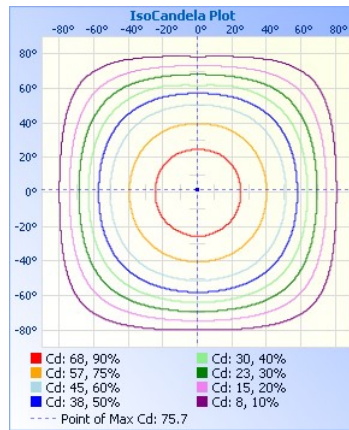
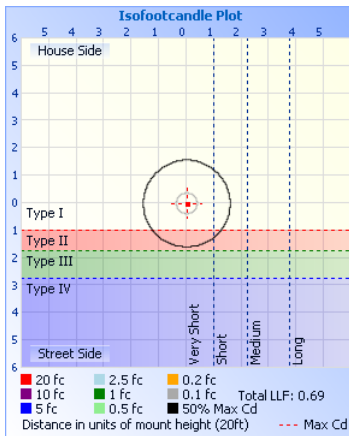


Roadway Summary	
Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.1
Max Cd, 80 to <90 Deg:	8.1
Lumens % Lamp	
Downward Street Side:	110.1 50.1%
Downward House Side:	109.9 50%
Downward Total:	220.0 100%
Upward Street Side:	0.0 0%
Upward House Side:	0.0 0%
Upward Total:	0.0 0%
Total Lumens:	220.0 100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.6%	216.9	160.7	158.3
Beam (50%):	75.4%	166.0	115.3	115.3
Total:	100%	220.0		

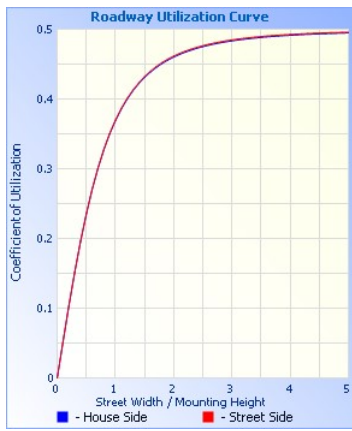
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	59.2	26.9%
0-40	97.4	44.3%
0-60	173.9	79.1%
60-90	46.1	20.9%
70-100	18.3	8.3%
90-120	0.0	0%
0-90	220.0	100%
90-180	0.0	0%
0-180	220.0	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	7.2	3.3%	90-100	0.0	0%
10-20	20.6	9.4%	100-110	0	0%
20-30	31.4	14.3%	110-120	0	0%
30-40	38.2	17.4%	120-130	0	0%
40-50	39.9	18.2%	130-140	0	0%
50-60	36.6	16.6%	140-150	0	0%
60-70	27.8	12.6%	150-160	0	0%
70-80	15.1	6.9%	160-170	0	0%
80-90	3.2	1.4%	170-180	0	0%



Distance	Illuminance at a Distance	
	Center Beam fc	Beam Width
17.0ft	0.26 fc	53.7 ft 53.7 ft
34.0ft	0.07 fc	107.3 ft 107.4 ft
51.0ft	0.03 fc	161.0 ft 161.1 ft
68.0ft	0.02 fc	214.7 ft 214.8 ft
85.0ft	0.01 fc	268.4 ft 268.5 ft
102.0ft	0.01 fc	322.0 ft 322.2 ft

Vert. Spread: 115.3°  
 Horiz. Spread: 115.3°



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	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	.77	.74	.79	.75	.72	.72	.70	.70
3	.90	.79	.71	.65	.88	.78	.70	.60	.75	.68	.63	.62	.72	.66	.62	.70	.65	.61	.61	.59	.59
4	.82	.70	.61	.55	.80	.69	.61	.52	.66	.59	.53	.53	.64	.58	.53	.62	.56	.52	.52	.50	.50
5	.76	.63	.54	.47	.74	.62	.53	.45	.59	.52	.46	.46	.57	.51	.46	.56	.50	.45	.45	.43	.43
6	.70	.56	.47	.41	.68	.55	.47	.39	.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	.40	.35	.46	.40	.35	.35	.33	.33
8	.60	.47	.38	.32	.59	.46	.38	.31	.44	.37	.32	.32	.43	.36	.32	.42	.36	.31	.31	.29	.29
9	.56	.43	.34	.29	.55	.42	.34	.28	.41	.34	.29	.29	.40	.33	.28	.39	.33	.28	.28	.26	.26
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	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	
56.25	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	0.1	0.1	0.1	0.1	0.1	0.1	0
58.75	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	0.1	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	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
63.75	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	0	0
66.25	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	0	0
68.75	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	0	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	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	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	0	0	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	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	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	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	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	0	0

Maximum lm: 0.1  
 Field lm: 216.9  
 Total lm: 220.0

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	76	76	76	76	76	76	76	76	76
1	76	76	75	75	75	75	75	76	76
2	76	76	75	75	75	75	75	75	76
3	76	75	75	75	75	75	75	75	76
4	76	75	75	75	75	75	75	75	76
5	76	75	75	75	75	75	75	75	75
6	75	75	75	75	75	75	75	75	75
7	75	75	75	75	75	75	75	75	75
8	75	75	75	75	75	75	75	75	75
9	75	75	75	75	74	75	75	75	75
10	75	75	74	74	74	74	74	74	75
11	74	74	74	74	74	74	74	74	74
12	74	74	74	74	74	74	74	74	74
13	74	74	74	74	73	74	74	74	74
14	73	73	73	73	73	73	73	73	74
15	73	73	73	73	73	73	73	73	73
16	73	73	73	73	72	73	72	73	73
17	72	72	72	72	72	72	72	72	72
18	72	72	72	72	72	72	72	72	72
19	71	72	71	71	71	71	71	71	72
20	71	71	71	71	71	71	71	71	71
21	70	71	70	70	70	70	70	70	71
22	70	70	70	70	70	70	70	70	70
23	69	70	69	69	69	69	69	69	70
24	69	69	69	69	69	69	69	69	69
25	68	68	68	68	68	68	68	68	68
26	68	68	68	68	67	68	67	68	68
27	67	67	67	67	67	67	67	67	67
28	66	67	66	66	66	66	66	66	67
29	66	66	66	66	65	66	65	66	66
30	65	65	65	65	65	65	65	65	65
31	64	64	64	64	64	64	64	64	64
32	64	64	63	63	63	63	63	63	64
33	63	63	63	63	63	63	62	63	63
34	62	62	62	62	62	62	62	62	62
35	61	61	61	61	61	61	61	61	61
36	60	61	60	60	60	60	60	60	60
37	59	60	59	59	59	59	59	59	60
38	59	59	59	59	58	58	58	58	59
39	58	58	58	58	58	57	57	58	58
40	57	57	57	57	57	57	57	57	57
41	56	56	56	56	56	56	56	56	56
42	55	55	55	55	55	55	55	55	55
43	54	54	54	54	54	54	54	54	54
44	53	53	53	53	53	53	53	53	53
45	52	52	52	52	52	52	52	52	52
46	51	51	51	51	51	51	51	51	51
47	50	50	50	50	50	50	50	50	50
48	49	49	49	49	49	49	48	49	49
49	48	48	48	48	48	47	47	47	48
50	46	47	47	46	46	46	46	46	46
51	45	46	45	45	45	45	45	45	45
52	44	44	44	44	44	44	44	44	45
53	44	44	44	44	44	43	43	43	44
54	42	43	42	42	42	42	42	42	42
55	41	41	41	41	41	41	41	41	41
56	40	40	40	40	40	40	40	40	40
57	39	39	39	39	39	39	38	39	39
58	37	38	38	38	37	37	37	37	38
59	36	36	36	36	36	36	36	36	36
60	34	35	35	35	35	35	35	35	35
61	32	34	34	34	34	33	33	33	34
62	30	32	32	32	32	32	32	32	32
63	29	31	31	31	31	31	31	31	31
64	28	30	30	30	30	30	29	29	30
65	26	28	28	28	28	28	28	28	28
66	25	27	27	27	27	27	27	27	27
67	24	25	26	26	26	25	25	25	26
68	24	24	24	24	24	24	24	24	24
69	22	22	23	23	23	23	23	22	23
70	21	21	22	21	21	21	21	21	22
71	19	19	20	20	20	20	20	20	20
72	18	18	19	19	19	18	18	18	19
73	16	17	17	17	17	17	17	17	17
74	15	15	16	16	16	16	16	16	16
75	13	14	15	15	14	14	14	14	14
76	11	12	13	13	13	13	13	13	13
77	10	11	12	12	12	12	12	12	11
78	9	10	11	11	11	10	10	10	10
79	7	8	9	9	9	9	9	9	8

80	6	7	8	8	8	8	8	7	7
81	5	6	7	7	7	7	7	6	5
82	4	5	6	6	6	6	6	5	5
83	3	4	5	5	5	4	4	4	3
84	2	3	4	4	4	3	3	3	3
85	1	2	3	3	3	3	3	2	2
86	1	2	2	2	2	2	2	2	1
87	0	1	1	1	1	1	1	1	1
88	0	1	1	1	1	1	1	1	0
89	0	0	0	0	0	0	0	0	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
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
168	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0
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] CTR180472-03  
[LUMINAIRE] Tape Light  
[LAMP] 8T1xxxH40WH

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.