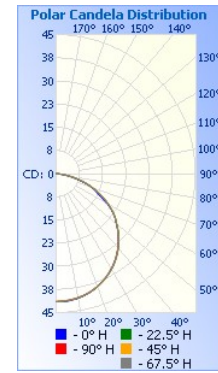


# KICHLER®

KICHLER PHOTOMETRIC LAB

**Filename:** 8T1xxxS27WH  
**Manufacturer:** Kichler Lighting LLC  
**Luminaire:** Tape Light  
**Luminaire Cat:** CTR180472-03  
**Lamp:** 8T1xxxS27WH  
**Lamp Output:** Total luminaire Lumens: 120  
**Max Candela:** 41.3 at Horizontal: 0°, Vertical: 1°  
**Input Wattage:** 1.5  
**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:	4.4
Lumens % Lamp	
Downward Street Side:	60.1 50.1%
Downward House Side:	60.0 50%
Downward Total:	120.0 100%
Upward Street Side:	0.0 0%
Upward House Side:	0.0 0%
Upward Total:	0.0 0%
Total Lumens:	120.0 100%

**Flood Summary**

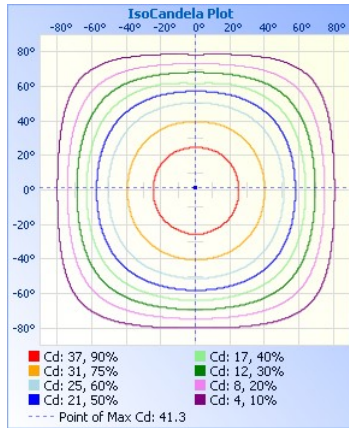
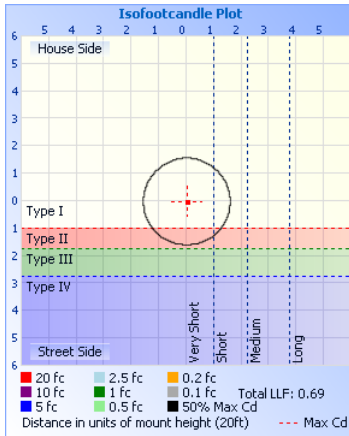
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.6%	118.3	160.7	158.3
Beam (50%):	75.4%	90.6	115.3	115.3
Total:	100%	120.0		

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	32.3	26.9%
0-40	53.1	44.3%
0-60	94.9	79.1%
60-90	25.1	20.9%
70-100	10.0	8.3%
90-120	0.0	0%
0-90	120.0	100%
90-180	0.0	0%
0-180	120.0	100%

**Lumens Per Zone**

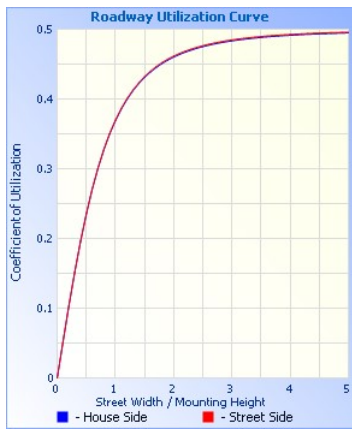
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	3.9	3.3%	90-100	0.0	0%
10-20	11.2	9.4%	100-110	0	0%
20-30	17.1	14.3%	110-120	0	0%
30-40	20.8	17.4%	120-130	0	0%
40-50	21.8	18.2%	130-140	0	0%
50-60	20.0	16.6%	140-150	0	0%
60-70	15.2	12.6%	150-160	0	0%
70-80	8.2	6.9%	160-170	0	0%
80-90	1.7	1.4%	170-180	0	0%



**Illuminance at a Distance**

Center Beam fc	Beam Width
17.0ft: 0.14 fc	53.7 ft 53.7 ft
34.0ft: 0.04 fc	107.3 ft 107.4 ft
51.0ft: 0.02 fc	161.0 ft 161.1 ft
68.0ft: 0.01 fc	214.7 ft 214.8 ft
85.0ft: 0.01 fc	268.4 ft 268.5 ft
102.0ft: 0.00 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





Candela Table - Type C

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

80	3	4	4	4	4	4	4	4	4
81	3	3	4	4	4	4	4	3	3
82	2	3	3	3	3	3	3	3	2
83	2	2	3	3	2	2	2	2	2
84	1	2	2	2	2	2	2	2	1
85	1	1	2	2	1	1	1	1	1
86	0	1	1	1	1	1	1	1	1
87	0	1	1	1	1	1	1	1	0
88	0	0	0	0	0	0	0	0	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
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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
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
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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
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
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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
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133	0	0	0	0	0	0	0	0	0
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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
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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
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169	0	0	0	0	0	0	0	0	0
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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] 8T1xxxS27WH

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.