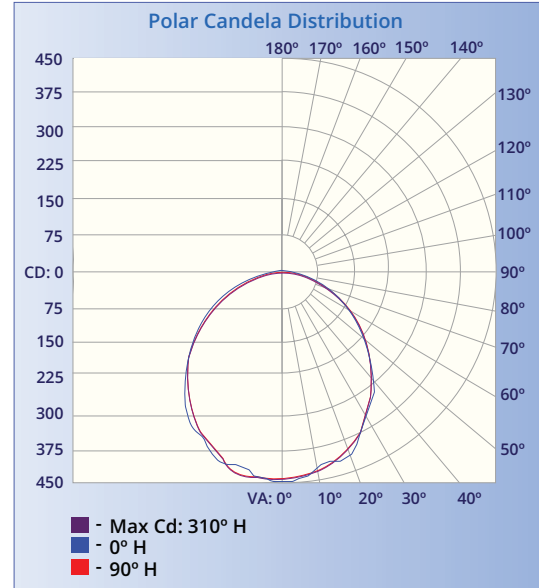


## PHOTOMETRIC REPORT - TEARDROP

**Filename:** SMC11L28W1700LD12030KWH  
**Lamp:** LED Module  
**Lamp Output:** Total luminaire Lumens: 1185  
**Max Candela:** 449.9 at Horizontal: 310°, Vertical: 9°  
**Input Wattage:** 25.6  
**Luminous Opening:** Rectangle w/Luminous Sides (L: 11.02", W:11.02", H: 1.18")  
**Test:** SMC11L28W1700LD12030KWH  
**Test Date:** 11-Apr-2018 13:09:16  
**Test Lab:** Radiant Vision Systems ProSource  
**Photometry :** Type C  
**Nema Type:** 7 X 7



### Roadway Summary

Cutoff Classification:	N/A	
Distribution	Type VS	
Mac Cd, 90 Deg Vert:	4.4	
Max Cd, 80 to < 90 Deg:	44.7	
	Lumens	% Lamp
Downward Street Side:	590.4	49.8%
Downward House Side:	594.3	50.2%
Downward Total:	1,184.7	100%
Upward Street Side:	0.2	0%
Upward House Side:	0.3	0%
Upward Total:	0.5	0.1%
Total Lumens:	1,185.2	100%

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	340.8	28.8%
0-40	550.7	46.5%
0-60	945.6	79.8%
60-90	238.9	20.2%
70-100	102.5	8.7%
90-120	0.5	0%
0-90	1,184.4	100%
90-180	0.5	0%
0-180	1,185.0	100%

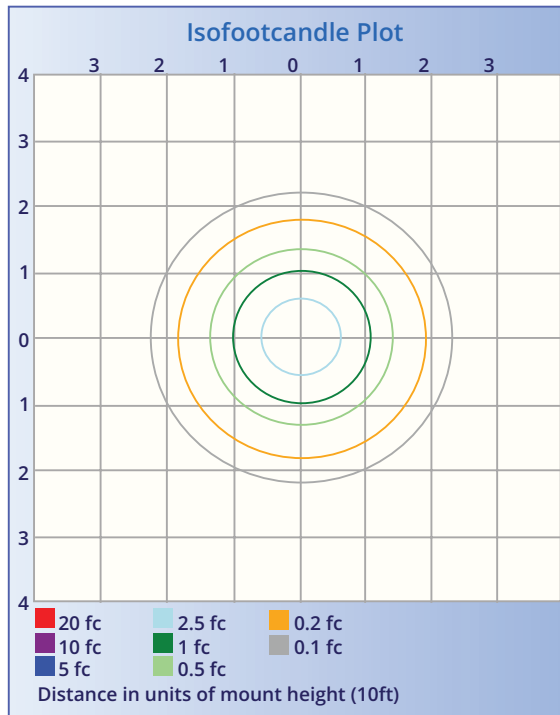
### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.1%	1,161.9	160.2	159.6
Beam (50%):	67.9%	804.9	103.6	103.1
Total:	100%	1,184.7		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	41.8	3.5%	90-100	0.5	0%
10-20	120.4	10.2%	100-110	0.0	0%
20-30	178.6	15.1%	110-120	0	0%
30-40	209.9	17.7%	120-130	0	0%
40-50	211.8	17.9%	130-140	0	0%
50-60	183.1	15.5%	140-150	0	0%
60-70	136.8	11.5%	150-160	0	0%
70-80	78.8	6.6%	160-170	0	0%
80-90	23.3	2.0%	170-180	0	0%

## PHOTOMETRIC REPORT - TEARDROP



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
1.7ft	154 fc	4.3 ft	4.3 ft
3.3ft	40.9 fc	8.3 ft	8.4 ft
5.0ft	17.8 fc	12.6 ft	12.7 ft
6.7ft	9.91 fc	16.9 ft	17.0 ft
8.3ft	6.46 fc	20.9 ft	21.1 ft
10.0ft	4.45 fc	25.2 ft	25.4 ft

■ Vert. Spread: 103.1°  
■ Horiz. Spread: 103.6°

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	<b>80</b>				<b>70</b>				<b>50</b>				<b>30</b>				<b>10</b>				<b>0</b>			
RW %:	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>			
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	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84						
2	.99	.91	.84	.78	.96	.89	.83	.72	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70						
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.64	.73	.67	.63	.70	.65	.62	.59						
4	.83	.71	.62	.56	.81	.70	.62	.53	.67	.60	.55	.65	.59	.54	.63	.57	.53	.51						
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44						
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39						
7	.65	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34						
8	.61	.48	.39	.33	.59	.47	.39	.32	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31						
9	.57	.44	.36	.30	.56	.43	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28						
10	.54	.40	.32	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25						

## PHOTOMETRIC REPORT - TEARDROP

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260
0	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445
3	446	445	445	444	443	442	441	441	440	440	440	441	441	442	443	444	444	444	444	444	444	443	442	442	442	442	442
6	442	441	442	441	441	439	438	436	434	433	432	433	434	435	437	439	440	440	440	440	439	438	437	436	436	436	437
9	431	432	436	438	439	438	435	433	432	431	429	427	426	427	429	430	431	430	430	431	433	434	435	435	436	438	440
12	421	426	433	438	438	434	429	427	429	429	427	423	421	423	426	426	424	422	422	425	430	435	438	439	441	442	441
15	421	426	432	435	433	428	420	415	417	422	424	422	422	424	427	426	424	424	424	424	427	433	437	439	439	437	432
18	422	426	426	425	422	419	411	403	404	412	420	423	423	423	422	421	422	424	423	420	419	424	426	427	426	423	418
21	415	416	413	408	406	408	405	395	394	402	409	415	414	410	407	409	412	412	410	410	411	413	411	409	409	408	404
24	399	398	396	393	391	395	397	388	385	389	392	395	396	392	388	393	398	397	393	398	403	401	394	392	393	391	389
27	377	377	379	384	384	383	385	377	375	375	374	374	381	379	376	380	384	388	386	383	384	387	380	380	381	373	371
30	357	356	364	372	375	369	365	359	361	359	358	356	366	368	363	366	368	376	379	363	358	366	365	366	365	356	354
33	346	342	347	351	357	352	344	339	342	344	342	338	347	353	344	346	351	357	364	347	338	344	349	344	343	341	342
36	334	327	324	326	333	335	331	328	323	329	324	320	328	339	323	327	332	333	343	334	328	329	335	324	326	329	331
39	313	306	304	301	310	318	322	320	311	309	305	305	306	322	306	311	314	312	321	318	318	316	321	308	315	316	317
42	289	285	288	285	291	298	307	306	299	287	285	291	285	298	291	295	292	294	300	298	300	300	301	294	301	296	297
45	267	268	274	273	274	277	282	285	278	265	265	275	268	276	272	272	271	278	283	279	278	280	275	273	279	273	276
48	247	253	254	258	254	252	255	265	252	244	245	255	253	257	252	248	253	262	264	259	257	260	252	250	255	255	254
51	227	234	227	236	231	229	232	242	230	225	228	232	234	236	233	228	234	243	240	234	232	239	237	232	234	237	235
54	207	210	207	208	209	213	215	217	210	207	212	213	211	214	212	208	217	220	216	206	210	214	219	213	212	216	216
57	189	188	187	187	191	194	198	191	192	191	196	194	189	194	194	191	195	197	197	186	186	193	196	191	190	193	193
60	171	168	167	169	174	170	177	171	173	174	176	172	167	174	173	174	170	175	179	172	167	170	170	168	167	172	169
63	153	149	151	153	154	148	154	154	152	152	156	151	149	154	148	155	149	156	156	155	153	150	150	151	149	152	149
66	132	131	132	135	133	129	131	134	131	129	135	131	134	133	129	133	128	138	132	134	132	132	134	134	133	133	132
69	111	111	113	112	109	110	108	110	112	109	112	113	115	112	113	111	112	117	111	111	110	112	116	115	114	114	113
72	90	92	94	92	89	92	90	90	94	92	90	94	94	92	97	94	95	95	93	89	90	94	96	96	94	95	94
75	73	74	74	72	71	76	74	73	75	75	72	75	73	74	78	76	76	76	76	70	72	75	75	76	75	75	75
78	57	57	57	55	54	57	58	57	57	58	58	57	56	58	60	59	57	58	58	54	56	57	57	58	58	57	57
81	42	42	44	43	42	43	43	45	42	43	44	44	42	44	44	42	42	40	39	36	40	39	40	40	39	39	37
84	25	27	27	28	26	28	27	29	28	27	28	28	28	27	26	27	26	27	24	23	24	24	22	23	23	23	22
87	11	13	13	12	13	13	13	13	13	13	13	13	14	13	13	12	12	14	11	10	10	9	9	9	9	8	9
90	3	4	3	3	4	3	3	4	3	4	4	4	4	3	3	4	3	4	2	2	2	1	1	1	1	1	1
93	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## PHOTOMETRIC REPORT - TEARDROP

123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## PHOTOMETRIC REPORT - TEARDROP

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### Luminaire Report Summary

IESNA:LM-63-2002

[TEST] SMC11L28W1700LD12030KWH

[TESTDATE] 11-Apr-2018 13:09:16

[TESTLAB] Radiant Vision Systems ProSource

[ISSUEDATE] 4/11/2018 2:08:52 PM

[MANUFAC] TEXAS FLUORESCENTS

[LAMP] LED Module

[\_TOTALLUMINAIRELUMENS] 1185

[DRIVER TYPE] FIXTURE RECEIVED COMPLETE

[BOARD/LAMP TYPE] FIXTURE RECEIVED COMPLETE

[COLOR TEMP] 2,907 CCT

[LUMEN/WATT] 46 LPW

[CRI] 94.0

[\_NUMBEROFFRAYS]10000000

[OTHER] Absolute Photometry measurement

FILE: CREATED USING ABSOLUTE PHOTOMETRY

FILE: CANDELA MULTIPLIER: 1

FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: METRIC

FILE: BALLAST FACTOR: 1