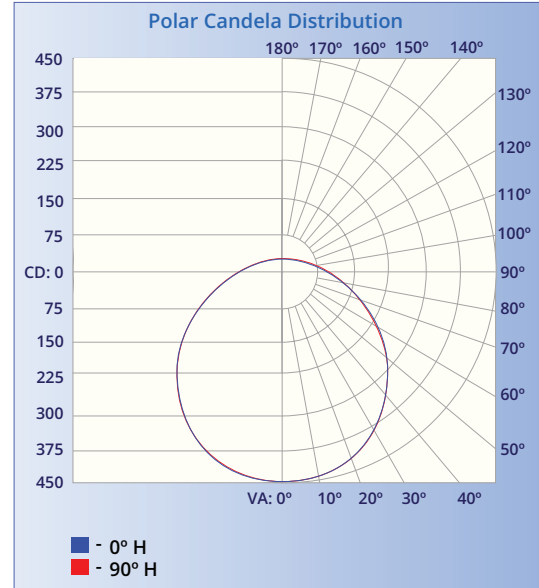


## PHOTOMETRIC REPORT - TEARDROP

**Filename:** RCR7L15W1200LDMV30K  
**Lamp:** LED Module  
**Lamp Output:** Total luminaire Lumens: 1261  
**Max Candela:** 446.1 at Horizontal: 0°, Vertical: 0°  
**Input Wattage:** 13.5  
**Luminous Opening:** Rectangle w/Luminous Sides (L: 7.09", W: 7.09", H: 1.18")  
**Test:** RCR7L15W1200LDMV30KWH  
**Test Date:** 24-Apr-2018 12:43:25  
**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:	5.4	
Max Cd, 80 to < 90 Deg:	51.5	
	Lumens	% Lamp
Downward Street Side:	640.7	50.8%
Downward House Side:	619.9	49.2%
Downward Total:	1,260.6	100%
Upward Street Side:	0.4	0%
Upward House Side:	0.2	0%
Upward Total:	0.6	0.1%
Total Lumens:	1,261.3	100%

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	349.3	27.7%
0-40	572.5	45.4%
0-60	1,003.0	79.5%
60-90	257.4	20.4%
70-100	108.1	8.6%
90-120	0.6	0.1%
0-90	1,260.4	99.9%
90-180	0.6	0.1%
0-180	1,261.0	100%

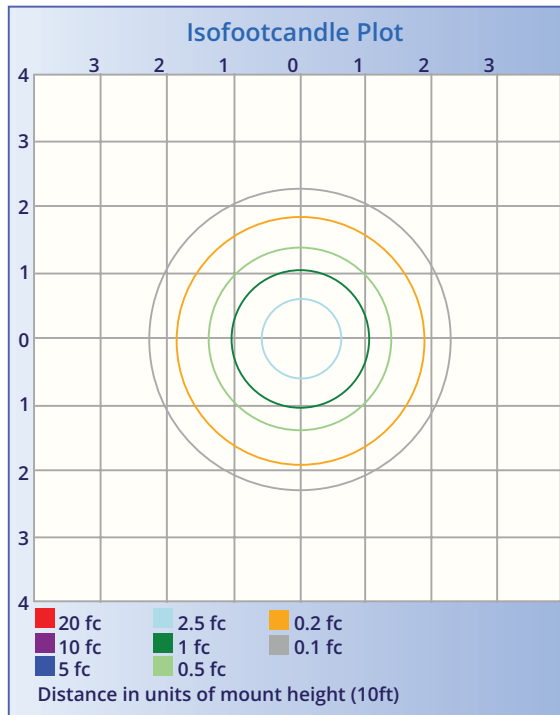
### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.3%	1,239.7	161	160.9
Beam (50%):	72.6%	915.7	110.6	111.1
Total:	100%	1,260.7		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	42.2	3.3%	90-100	0.6	0%
10-20	122.0	9.7%	100-110	0.0	0%
20-30	185.2	14.7%	110-120	0	0%
30-40	223.2	17.7%	120-130	0	0%
40-50	229.0	18.2%	130-140	0	0%
50-60	201.5	16.0%	140-150	0	0%
60-70	149.8	11.9%	150-160	0	0%
70-80	84.3	6.7%	160-170	0	0%
80-90	23.3	1.8%	170-180	0	0%

## PHOTOMETRIC REPORT - TEARDROP



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
1.7ft	154 fc	5.0 ft	4.9 ft
3.3ft	41.0 fc	9.6 ft	9.5 ft
5.0ft	17.8 fc	14.6 ft	14.5 ft
6.7ft	9.94 fc	19.5 ft	19.4 ft
8.3ft	6.48 fc	24.2 ft	24.0 ft
10.0ft	4.46 fc	29.2 ft	28.9 ft

■ Vert. Spread: 111.1°  
■ Horiz. Spread: 110.6°

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
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>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	.97	.94	.91	.94	.91	.89	.90	.88	.86	.84			
2	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.75	.82	.78	.74	.79	.75	.72	.70			
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59			
4	.83	.71	.62	.55	.80	.69	.61	.52	.67	.60	.54	.64	.58	.53	.62	.57	.53	.50			
5	.76	.63	.54	.48	.74	.62	.54	.45	.60	.52	.47	.58	.51	.46	.56	.50	.46	.44			
6	.70	.57	.48	.41	.68	.56	.47	.40	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38			
7	.65	.52	.43	.37	.63	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34			
8	.61	.47	.39	.33	.59	.46	.38	.32	.45	.38	.32	.44	.37	.32	.43	.36	.32	.30			
9	.57	.43	.35	.29	.55	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27			
10	.53	.40	.32	.27	.52	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24			

## 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	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446
3	445	445	445	446	446	446	446	446	446	446	446	446	446	445	445	445	445	445	445	445	445	445	445	445	445	445	445
6	443	443	444	444	444	444	444	444	444	444	444	444	443	443	443	443	443	443	443	443	443	444	443	443	443	443	443
9	441	441	441	440	441	441	441	441	441	441	441	440	440	440	439	439	440	440	440	440	441	441	440	440	440	440	440
12	438	437	436	436	437	437	437	437	437	437	436	436	436	436	436	436	436	436	436	436	437	437	437	436	435	434	435
15	433	432	432	432	432	432	432	431	431	431	431	431	431	432	432	431	431	430	430	430	431	432	431	430	429	429	430
18	426	427	427	427	426	426	425	424	424	425	425	424	424	425	425	425	424	423	422	423	423	424	423	423	423	423	424
21	418	419	419	419	418	418	418	417	416	416	417	416	415	415	416	416	415	414	414	415	415	415	415	415	415	415	415
24	409	408	409	408	408	408	407	407	406	405	407	407	404	405	405	405	405	404	405	406	406	404	404	405	404	404	405
27	398	397	397	398	397	396	396	396	395	394	394	395	394	394	394	394	393	394	394	395	394	392	392	394	393	392	393
30	385	385	384	385	384	383	383	384	383	381	381	383	381	380	380	380	380	383	381	381	380	379	378	379	380	381	380
33	371	372	371	371	370	369	369	369	368	368	368	368	366	365	365	364	364	367	367	365	364	364	363	363	364	366	366
36	355	357	355	356	355	355	354	353	353	353	353	351	350	350	350	349	347	348	351	348	346	349	348	348	348	349	350
39	339	340	340	339	338	339	337	337	336	335	335	334	334	334	334	331	332	329	333	329	330	331	331	332	331	332	332
42	322	322	322	321	321	321	320	318	318	315	316	315	316	314	315	314	313	310	314	311	311	313	313	312	313	313	313
45	303	302	302	302	302	301	300	299	298	297	296	295	295	293	293	293	293	291	293	291	291	292	291	291	292	292	293
48	283	282	283	283	282	280	280	280	277	279	276	276	273	273	272	272	273	270	273	271	272	270	270	270	271	272	271
51	262	262	261	263	262	261	260	260	257	258	256	255	253	253	252	251	250	250	251	250	249	249	250	249	250	251	251
54	240	241	242	239	240	240	238	239	236	236	235	233	231	231	230	227	230	228	229	227	229	225	227	226	226	229	230
57	218	219	219	217	218	219	217	217	214	213	212	211	209	208	208	206	206	206	206	205	205	204	205	204	204	206	208
60	196	197	196	196	196	196	194	195	191	189	189	189	186	186	185	184	183	183	183	182	181	183	183	183	182	184	184
63	174	174	176	174	173	172	173	173	169	167	166	166	164	162	161	162	162	160	160	160	161	160	159	160	161	162	161
66	151	151	151	153	152	150	150	150	147	145	144	144	143	141	140	140	138	138	138	138	136	138	137	137	138	139	139
69	129	129	129	128	128	128	127	127	125	124	122	122	120	118	117	116	116	115	115	115	114	113	114	115	115	117	117
72	106	107	108	107	107	107	106	106	104	102	102	101	99	97	97	95	96	94	93	92	93	92	94	94	95	96	97
75	85	86	86	86	86	86	84	84	83	82	82	80	78	77	76	75	74	73	73	72	72	72	73	74	74	75	76
78	65	66	66	67	66	65	65	63	63	62	61	60	59	57	56	56	54	53	54	52	52	53	54	55	55	55	56
81	48	49	51	51	51	50	49	49	46	45	44	43	41	40	39	38	37	34	34	32	33	34	34	34	34	35	35
84	30	33	32	34	31	32	32	31	29	28	28	26	25	24	22	23	21	20	19	18	17	19	17	18	19	19	20
87	15	17	16	16	17	16	16	15	14	14	14	11	11	10	10	9	8	9	7	6	5	5	6	6	6	7	
90	5	5	5	5	5	5	5	5	4	4	4	3	2	3	2	2	2	2	1	0	1	0	0	0	1	1	1
93	0	0	2	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0
96	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0

## PHOTOMETRIC REPORT - TEARDROP

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### Luminaire Report Summary

IESNA:LM-63-2002

[TEST] RCR7L15W1200LDMV30KWH

[TESTDATE] 24-Apr-2018 12:43:25

[TESTLAB] Radiant Vision Systems ProSource

[ISSUEDATE] 4/24/2018 1:46:04 PM

[MANUFAC] TEXAS FLUORESCENTS

[LAMP] LED Module

[\_TOTALLUMINAIRELUMENS] 1261

[DRIVER TYPE] FIXTURE COMPLETE

[BOARD/LAMP TYPE] FIXTURE COMPLETE

[COLOR TEMP] 3,032 CCT

[LUMEN/WATT] 90 LPW

[CRI] 85.5

[\_NUMBEROFRAYS]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