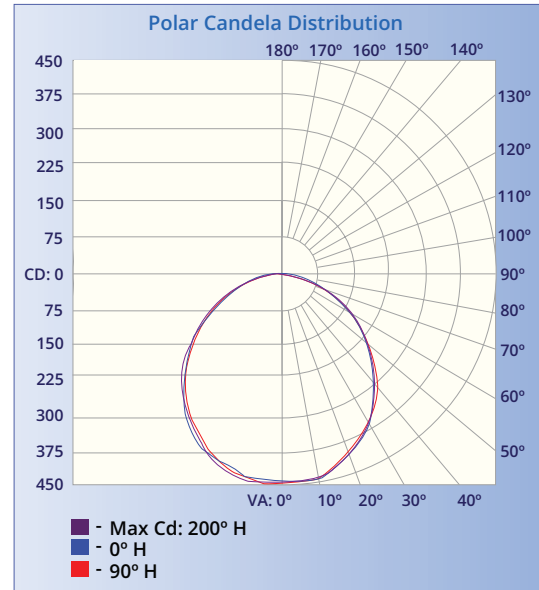


PHOTOMETRIC REPORT - TEARDROP

Filename: SMC15L40W2500LD12030KBN
Lamp: LED Module
Lamp Output: Total luminaire Lumens: 1725.4
Max Candela: 639.6 at Horizontal: 200°, Vertical: 3°
Input Wattage: 36
Luminous Opening: Rectangle w/Luminous Sides (L: 14.96", W:14.96", H: 1.18")
Test: SMC15L40W2500LD12030KBN
Test Date: 30-Aug-2017 07:38:16
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:	16.3	
Max Cd, 80 to < 90 Deg:	75.9	
	Lumens	% Lamp
Downward Street Side:	882.4	51.1%
Downward House Side:	842.2	48.8%
Downward Total:	1,724.6	100%
Upward Street Side:	0.7	0%
Upward House Side:	0.4	0%
Upward Total:	1.2	0.1%
Total Lumens:	1,725.8	100%

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	494.3	28.7%
0-40	800.5	46.4%
0-60	1,376.7	79.8%
60-90	347.6	20.1%
70-100	149.8	8.7%
90-120	1.2	0.1%
0-90	1,724.3	99.9%
90-180	1.2	0.1%
0-180	1,725.4	100%

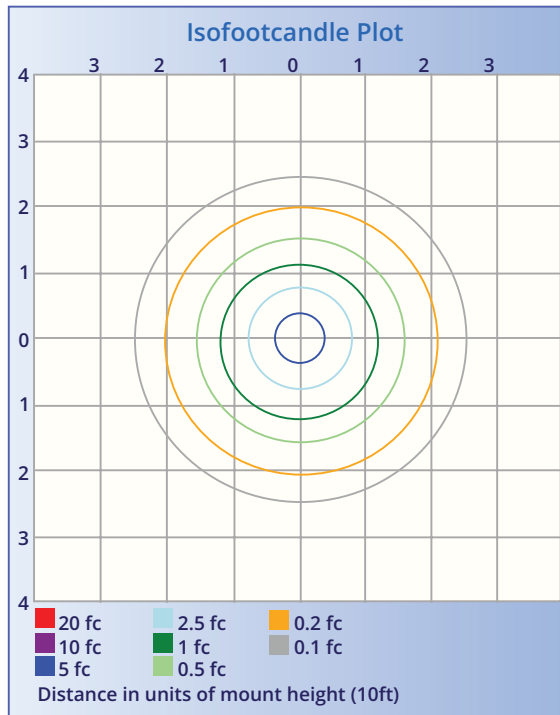
Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.1%	1,692.8	161	160.5
Beam (50%):	69.3%	1,195.0	104.8	106.9
Total:	100%	1,725.0		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	60.3	3.5%	90-100	1.2	0.1%
10-20	174.4	10.1%	100-110	0.0	0%
20-30	259.6	15.0%	110-120	0	0%
30-40	306.1	17.7%	120-130	0	0%
40-50	308.3	17.9%	130-140	0	0%
50-60	267.9	15.5%	140-150	0	0%
60-70	198.9	11.5%	150-160	0	0%
70-80	114.2	6.6%	160-170	0	0%
80-90	34.4	2.0%	170-180	0	0%

PHOTOMETRIC REPORT - TEARDROP



Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	221 fc	4.6 ft	4.4 ft
3.3ft	58.6 fc	8.9 ft	8.6 ft
5.0ft	25.5 fc	13.5 ft	13.0 ft
6.7ft	14.2 fc	18.1 ft	17.4 ft
8.3ft	9.26 fc	22.4 ft	21.6 ft
10.0ft	6.38 fc	27.0 ft	26.0 ft

■ Vert. Spread: 106.9°
■ Horiz. Spread: 104.8°

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	50	30	20	50	30	20	50	30	20	0
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	1.00	1.00	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	.84	.84	.84
2	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70	.70	.70	.70
3	.90	.80	.72	.65	.88	.78	.71	.61	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59	.59	.59	.59
4	.83	.71	.62	.56	.81	.70	.62	.53	.67	.60	.54	.65	.59	.54	.63	.57	.53	.51	.51	.51	.51
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44	.44	.44	.44
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.41	.53	.46	.41	.51	.45	.41	.39	.39	.39	.39
7	.65	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34	.34	.34	.34
8	.61	.48	.39	.33	.59	.47	.39	.32	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31	.31	.31	.31
9	.57	.44	.35	.30	.56	.43	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28	.28	.28	.28
10	.53	.40	.32	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25	.25	.25	.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	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
3	634	633	633	633	633	634	634	635	635	636	636	637	637	637	638	638	639	639	639	640	640	640	639	639	638	637	637
6	631	630	630	629	630	630	631	633	634	635	635	635	634	634	634	634	634	634	634	635	636	637	637	636	635	633	632
9	633	633	631	630	630	631	633	635	637	638	638	637	635	633	631	629	627	623	622	621	624	625	627	627	626	624	625
12	633	633	633	632	632	632	634	635	635	636	638	639	636	633	630	626	620	614	608	606	608	612	617	617	613	612	615
15	623	625	628	629	629	629	628	625	621	622	627	633	630	626	623	620	614	606	600	598	601	606	611	610	603	601	605
18	608	613	618	623	622	619	615	610	603	602	611	618	612	606	606	606	601	597	595	596	598	602	604	601	593	590	593
21	594	600	607	613	611	605	602	597	591	587	591	595	586	582	586	586	583	584	587	590	591	591	587	582	579	576	575
24	580	587	590	591	591	585	583	583	578	572	570	569	562	562	566	560	560	566	575	577	575	569	562	558	563	559	554
27	562	568	563	565	567	562	561	562	559	553	554	553	547	546	550	541	536	544	555	553	548	546	539	539	547	541	537
30	542	545	534	538	543	537	535	538	537	532	540	541	530	526	530	524	518	522	531	525	519	519	519	520	523	520	518
33	522	521	509	514	522	514	509	513	517	513	517	519	507	504	504	502	499	501	508	499	492	492	497	497	493	490	494
36	497	493	489	494	501	492	485	489	498	495	488	488	483	483	473	472	472	477	480	474	466	467	470	470	465	460	464
39	464	461	470	472	478	468	462	469	478	476	464	460	459	461	444	438	444	445	445	446	442	440	437	438	438	435	439
42	432	429	442	448	450	438	438	446	453	450	440	432	436	435	421	414	416	412	411	415	415	416	407	405	413	412	414
45	409	405	411	418	414	405	409	418	422	416	408	404	409	405	395	390	390	384	385	386	386	388	376	375	386	390	387
48	387	383	382	387	381	376	380	386	388	379	373	378	380	375	368	363	364	359	361	358	356	357	348	346	356	363	359
51	357	359	353	358	353	351	354	352	354	346	344	349	348	346	343	335	331	330	334	330	323	326	321	317	324	331	329
54	325	329	328	325	322	323	325	324	321	318	316	320	314	316	314	304	301	295	303	299	296	293	294	291	291	300	297
57	296	300	298	295	293	292	295	296	292	291	289	290	284	284	283	276	269	265	268	266	265	264	267	265	265	270	269
60	269	269	265	266	262	262	262	265	265	264	262	260	253	250	248	245	240	239	234	233	231	233	232	237	239	241	241
63	238	237	236	236	230	232	233	235	237	233	233	229	223	219	213	214	213	210	202	203	200	200	197	205	212	212	211
66	205	203	203	206	204	205	204	207	207	202	204	199	194	193	188	186	179	177	172	175	168	171	171	175	180	180	178
69	175	173	176	175	176	176	176	179	178	174	174	172	166	166	162	155	151	147	143	147	141	144	145	146	149	148	146
72	146	147	150	148	147	148	149	151	150	148	146	145	139	139	137	129	126	122	117	119	118	120	120	120	119	121	119
75	120	121	120	120	118	120	121	122	121	121	118	117	112	113	108	104	101	97	94	92	92	95	94	95	91	96	94
78	94	93	91	94	93	92	96	94	95	95	92	90	89	87	83	81	76	72	71	69	68	72	70	71	69	71	72
81	70	70	71	74	75	73	76	75	72	71	69	69	66	64	60	58	53	46	45	42	44	46	44	45	44	46	46
84	45	48	47	51	50	50	53	52	49	48	48	46	44	41	38	38	31	29	24	24	23	25	21	23	24	25	26
87	24	27	26	27	29	29	30	28	27	28	28	25	23	22	20	17	13	13	9	8	7	8	6	7	6	7	8
90	12	12	12	12	12	11	12	12	13	16	13	10	9	7	7	4	3	3	2	0	0	0	0	0	0	1	0
93	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	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	2	0	0	0	0	0	0	0	0
99	1	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
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

Luminaire Report Summary

IESNA:LM-63-2002

[TEST] SMC15L40W2500LD12030KBN

[TESTDATE] 30-Aug-2017 07:38:16

[TESTLAB] Radiant Vision Systems ProSource

[ISSUEDATE] 8/30/2017 8:23:50 AM

[MANUFAC] TEXAS FLUORESCENTS

[LAMP] LED Module

[_TOTALLUMINAIRELUMENS] 1725.4

[_NUMBEROFFRAYS]10000000

[DRIVER TYPE] UNKNOWN

[BOARD TYPE] UNKNOWN

[COLOR TEMP] 2,918

[LUMEN/WATT] 48

[CRI] 93.3

[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