



Filename: DKSMW24LH18W1750LDMV40KBN

Manufacturer: TEXAS FLUORESCENTS

Lamp: LED Module

Lamp Output: Total Luminaire Lumens: 1663.8

Max Candela: 487.9 at Horizontal: 90°, Vertical: 3°

Input Wattage: 20.4

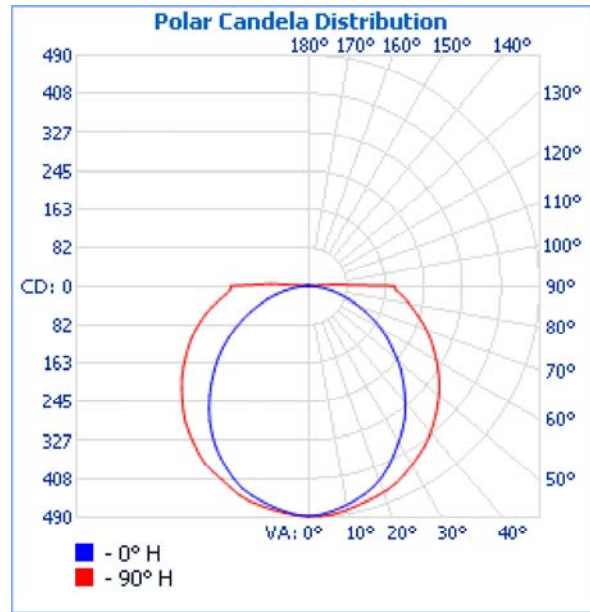
Luminous Opening: Rectangle w/Luminous Sides (L: 24.02", W: 2.24", H: 2.76")

Test: DKSMW24LH18W1750LDMV40KBN

Test Date: 27-Jun-2017 07:01:29

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C



Roadway Summary

Cutoff Classification:	N/A	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	182.2	
Max Cd, 80 to <90 Deg:	213.2	
	Lumens % Lamp	
Downward Street Side:	814.8	49%
Downward House Side:	818.0	49.2%
Downward Total:	1,632.8	98.1%
Upward Street Side:	15.1	0.9%
Upward House Side:	16.2	1%
Upward Total:	31.3	1.9%
Total Lumens:	1,664.0	100%

Flood Summary

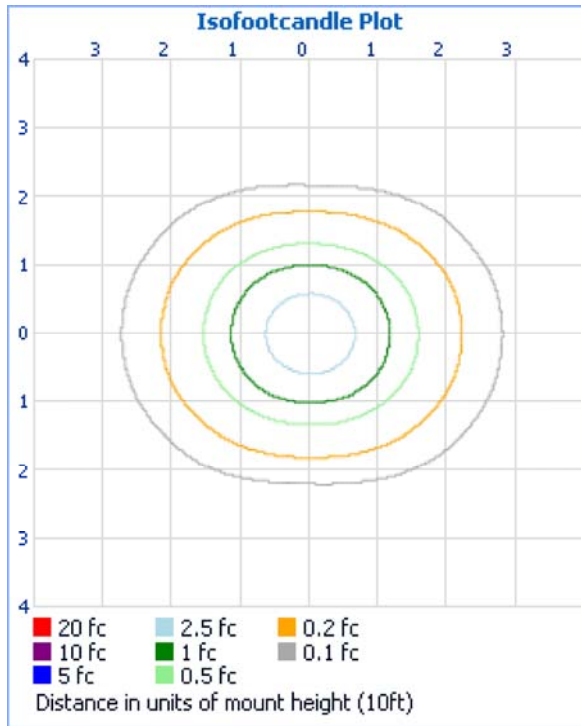
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.1%	1,648.7	n/a	158.2
Beam (50%):	70.5%	1,173.8	145.4	101.9
Total:	100%	1,663.9		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	376.5	22.6%
0-40	618.5	37.2%
0-60	1,121.1	67.4%
60-90	511.4	30.7%
70-100	328.7	19.8%
90-120	31.3	1.9%
0-90	1,632.5	98.1%
90-180	31.3	1.9%
0-180	1,663.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	45.8	2.8%	90-100	31.2	1.9%
10-20	131.5	7.9%	100-110	0.0	0%
20-30	199.1	12.0%	110-120	0	0%
30-40	242.1	14.5%	120-130	0	0%
40-50	257.3	15.5%	130-140	0	0%
50-60	245.3	14.7%	140-150	0	0%
60-70	213.9	12.9%	150-160	0	0%
70-80	171.3	10.3%	160-170	0	0%
80-90	126.2	7.6%	170-180	0	0%



	Center Beam fc	Beam Width	
1.7R	169 fc	4.2 ft	10.9 ft
3.3R	44.8 fc	8.1 ft	21.2 ft
5.0R	19.5 fc	12.3 ft	32.1 ft
6.7R	10.9 fc	16.5 ft	43.0 ft
8.3R	7.07 fc	20.5 ft	53.2 ft
10.0R	4.87 fc	24.7 ft	64.2 ft

■ Vert. Spread: 101.9°
■ Horiz. Spread: 145.4°

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	0	50	30	20	0	50	30	20	0	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.98	1.10	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.98
1	1.05	.99	.94	.89	1.02	.97	.92	.77	.92	.88	.84	.84	.88	.84	.81	.84	.84	.81	.79	.76	.84	.81	.79	.76
2	.95	.85	.77	.71	.92	.83	.76	.63	.79	.73	.68	.68	.75	.70	.66	.72	.68	.64	.64	.61	.72	.68	.64	.61
3	.86	.74	.65	.58	.83	.72	.64	.53	.69	.62	.56	.56	.66	.60	.54	.63	.58	.53	.53	.51	.63	.58	.53	.51
4	.78	.65	.56	.48	.76	.64	.55	.45	.61	.53	.47	.47	.58	.52	.46	.56	.50	.45	.45	.43	.56	.50	.45	.43
5	.72	.58	.48	.41	.70	.57	.48	.39	.54	.46	.40	.40	.52	.45	.40	.50	.44	.39	.39	.37	.50	.44	.39	.37
6	.66	.52	.43	.36	.64	.51	.42	.34	.49	.41	.35	.35	.47	.40	.35	.45	.39	.34	.34	.32	.45	.39	.34	.32
7	.61	.47	.38	.31	.60	.46	.37	.30	.45	.37	.31	.31	.43	.36	.31	.41	.35	.30	.30	.28	.41	.35	.30	.28
8	.57	.43	.34	.28	.55	.42	.34	.27	.41	.33	.28	.28	.39	.32	.27	.38	.32	.27	.27	.25	.38	.32	.27	.25
9	.53	.39	.31	.25	.52	.39	.31	.24	.37	.30	.25	.25	.36	.29	.24	.35	.29	.24	.24	.22	.35	.29	.24	.22
10	.50	.36	.28	.23	.49	.36	.28	.22	.35	.27	.22	.22	.34	.27	.22	.32	.26	.22	.22	.20	.32	.26	.22	.20

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	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	
3	485	485	485	486	486	486	487	487	488	488	488	488	487	487	486	486	485	485	485	485	485	485	485	485	485	485	485	485
6	480	479	480	480	481	482	484	485	486	486	486	486	485	483	483	482	481	480	480	479	480	481	481	481	481	482	482	482
9	473	472	473	473	475	477	479	481	482	482	482	482	480	478	477	475	474	473	473	473	474	475	476	477	478	479	479	479
12	466	466	466	467	470	472	474	476	477	477	477	477	475	473	471	469	467	467	466	466	467	469	471	473	474	475	476	476
15	458	458	459	460	463	467	470	471	472	473	473	472	470	467	464	462	460	459	460	460	462	463	465	468	469	471	472	472
18	447	449	448	450	453	460	464	466	467	468	468	467	463	460	457	455	451	450	451	453	453	455	456	460	462	465	467	467
21	434	436	437	438	443	452	457	459	462	464	462	459	455	450	448	445	440	438	438	440	442	444	446	450	454	458	459	459
24	418	421	425	425	431	442	446	450	455	457	453	451	447	440	436	430	426	424	423	423	427	429	434	439	443	449	450	450
27	400	404	409	414	420	431	436	440	446	448	446	442	438	428	422	415	410	409	407	408	409	416	423	427	433	439	441	441
30	382	386	393	399	405	417	425	432	437	438	438	433	426	415	408	399	392	392	391	391	392	400	408	414	423	430	432	432

33	365	368	374	384	390	403	413	422	427	428	427	421	414	403	395	384	374	372	373	372	373	382	393	401	411	417	422	
36	348	350	354	368	377	389	400	411	416	419	414	409	403	391	381	369	354	350	354	352	355	366	378	389	398	403	411	
39	327	330	337	348	361	375	388	400	404	408	403	398	389	376	365	350	337	330	333	331	339	350	362	374	384	390	398	
42	305	308	318	330	345	359	375	387	392	395	393	385	374	359	346	332	319	310	311	310	321	333	345	358	369	378	385	
45	285	287	298	311	327	344	362	372	378	383	382	370	359	343	324	310	299	288	289	290	300	312	326	343	354	365	372	
48	264	266	279	292	311	328	349	359	364	370	369	357	345	327	306	290	279	265	267	269	280	292	309	327	340	351	357	
51	241	246	257	274	295	311	332	347	351	357	354	344	330	311	291	273	257	246	245	250	258	274	292	309	324	338	342	
54	218	225	240	254	276	297	313	334	338	343	338	331	313	295	271	252	237	225	223	228	240	254	271	293	307	322	327	
57	197	204	220	235	259	281	298	318	326	328	325	316	298	279	254	233	215	204	200	206	218	235	253	276	291	304	314	
60	177	183	197	216	240	264	281	301	312	313	312	300	283	262	238	213	195	182	178	184	196	215	236	258	274	288	299	
63	155	163	178	199	221	245	267	285	297	299	297	286	267	244	220	196	178	161	155	162	179	197	217	239	257	273	282	
66	133	141	157	183	207	230	254	270	281	285	280	271	249	229	204	180	157	139	133	141	159	180	202	223	241	257	266	
69	112	120	141	164	192	216	239	257	266	270	266	256	232	214	189	162	137	117	112	120	140	161	186	208	225	241	250	
72	91	100	124	147	177	202	224	243	252	256	253	240	220	199	176	146	120	97	91	100	122	144	171	192	211	227	236	
75	71	82	106	133	161	190	209	226	237	241	239	226	209	187	160	131	102	78	70	80	103	130	155	180	197	214	221	
78	52	64	90	120	149	176	195	210	222	226	224	211	195	174	146	117	86	60	51	63	87	116	142	165	183	198	207	
81	37	51	79	109	138	163	184	200	210	213	211	196	180	159	131	103	72	43	33	46	73	101	126	146	167	180	188	
84	22	39	67	97	123	149	174	190	197	201	200	188	170	147	119	92	60	32	19	35	60	89	112	135	158	169	174	
87	10	29	56	84	112	141	157	175	185	187	186	170	157	137	109	79	49	24	9	25	49	77	101	122	141	152	161	
90	4	21	47	78	104	125	144	160	175	182	172	160	146	124	98	71	42	17	3	18	41	66	88	112	126	136	152	
93	0	5	16	28	31	41	48	64	52	55	55	70	58	54	41	35	21	6	0	7	21	37	45	62	71	83	71	
96	0	0	1	1	2	2	4	7	4	4	6	8	6	5	4	4	3	1	0	1	3	4	6	7	9	12	9	
99	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	
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	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	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	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	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	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	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	0
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
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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

