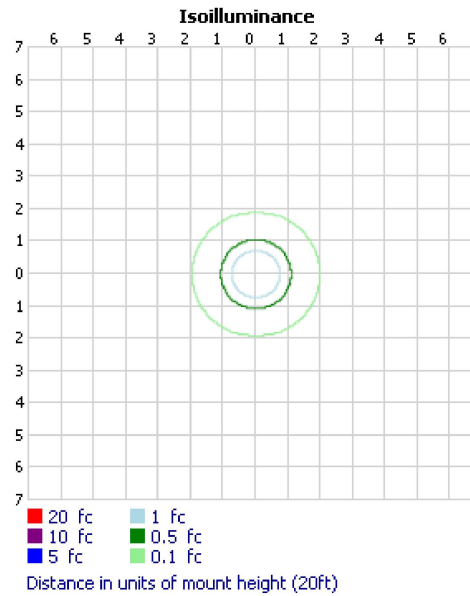
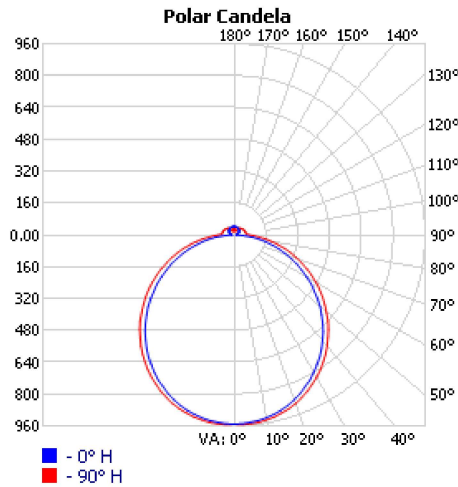


INDOOR PHOTOMETRIC REPORT

CATALOG: FMFL 30840 SATL

Test #: ISF 202296
Test Lab: ACUITY BRANDS LIGHTING, DECATUR LAB
Test Date: 4/23/2020
Catalog: FMFL 30840 SATL
Description: FMFL 30840 SATL
Series: LED Saturn Linear
Lamp Catalog: Samsung LM281B+ SE
Lamp Output: Total luminaire Lumens: 3205.9, absolute photometry *
Ballast / Driver: LTA40-UVQ-865ST
Input Wattage: 39
Luminous Opening: Rectangle (L: 48", W: 8.04")
Cie Class: Direct
Max Cd: 954.0 at Horizontal: 90°, Vertical: 2.5°
Spacing Criterion: @ 0 = 1.25 / @ 90 = 1.29



*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	747.8	23.3%
0-40	1,230.1	38.4%
0-60	2,208.2	68.9%
60-90	755.4	23.6%
70-100	421.7	13.2%
90-120	132.4	4.1%
0-90	2,963.5	92.4%
90-180	242.4	7.6%
0-180	3,205.9	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	90.4	2.8%	90-100	48.2	1.5%
10-20	260.4	8.1%	100-110	44.0	1.4%
20-30	397.0	12.4%	110-120	40.3	1.3%
30-40	482.3	15.0%	120-130	34.3	1.1%
40-50	507.0	15.8%	130-140	27.5	0.9%
50-60	471.0	14.7%	140-150	20.6	0.6%
60-70	381.8	11.9%	150-160	14.2	0.4%
70-80	255.5	8.0%	160-170	9.9	0.3%
80-90	118.1	3.7%	170-180	3.5	0.1%

Average Luminance (Cd/m2)

	0	22.5	45	67.5	90
0	3820	3820	3820	3820	3820
45	3573	3715	3749	3783	3806
55	3445	3641	3725	3767	3788
65	3307	3573	3725	3811	3830
75	3104	3569	3848	4004	4066
85	2765	4286	5161	5714	5899

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	0
RCC: 0	1.17	1.17	1.17	1.17	1.14	1.14	1.14	.92	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.92
1	1.06	1.01	.96	.92	1.02	.98	.93	.76	.92	.89	.85	.87	.84	.81	.82	.80	.78	.75
2	.96	.87	.80	.74	.92	.85	.78	.63	.80	.74	.70	.75	.71	.67	.71	.68	.64	.62
3	.87	.76	.68	.61	.84	.74	.66	.53	.70	.63	.58	.66	.61	.56	.63	.58	.54	.51
4	.80	.67	.58	.51	.77	.65	.57	.45	.62	.55	.49	.59	.52	.47	.56	.50	.46	.44
5	.73	.60	.51	.44	.70	.58	.50	.39	.55	.48	.42	.52	.46	.41	.50	.44	.40	.37
6	.67	.54	.45	.38	.65	.52	.44	.34	.50	.42	.37	.47	.41	.36	.45	.39	.35	.33
7	.62	.49	.40	.34	.60	.47	.39	.31	.45	.38	.32	.43	.37	.32	.41	.35	.31	.29
8	.58	.44	.36	.30	.56	.43	.35	.27	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26
9	.54	.41	.32	.27	.52	.40	.32	.25	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10	.51	.37	.29	.24	.49	.37	.29	.22	.35	.28	.23	.34	.27	.23	.32	.27	.23	.21

Candela Table - Type C

	0	22.5	45	67.5	90
0	951	951	951	951	951
5	945	951	952	951	952
10	933	942	942	942	944
15	912	924	924	924	926
20	882	896	898	898	902
25	843	860	864	866	868
30	799	818	822	824	828
35	749	769	774	776	780
40	691	714	719	724	728
45	629	654	660	666	670
50	564	588	598	604	606
55	492	520	532	538	541
60	421	449	461	471	474
65	348	376	392	401	403
70	272	303	320	329	332
75	200	230	248	258	262
80	130	160	178	189	192
85	60	93	112	124	128
90	10	38	61	74	78
95	11	28	46	58	62
100	15	28	45	56	60
105	18	28	44	55	58
110	22	30	43	54	58
115	25	29	41	51	56
120	29	28	41	48	52
125	31	26	40	47	50
130	34	24	37	44	48
135	35	26	34	42	46
140	35	30	30	39	44
145	37	33	25	35	39
150	38	34	26	29	31
155	40	35	31	24	18
160	41	37	36	28	21
165	42	39	37	30	28
170	43	40	38	32	29
175	43	42	38	33	26
180	37	37	37	37	37