

LUMINAIRE: ESL4-50LW-FAW-EDU

Escalate, Surface

Narrow Stair Light 4ft with frosted linear prisms lens

Data Scaled from Test# 17.01139

BALLAST: XI040C11CV054BST1

BALLAST FACTOR: 1.00

LAMP: Led

FIXTURE LUMENS: 4233

WATTS: 34.40

MOUNTING: Surface

SHIELDING ANGLE: 0° = 90 90° = 90

SPACING CRITERION: 0° = 1.20 90° = 1.34

LUMINOUS OPENING IN FEET

LENGTH: 4.00

WIDTH: 0.25

HEIGHT: 0.13

TEST #20365

DATE: 4/19/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 123

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.94

BASED ON 3000 HRS. AND \$.08 PER KWH

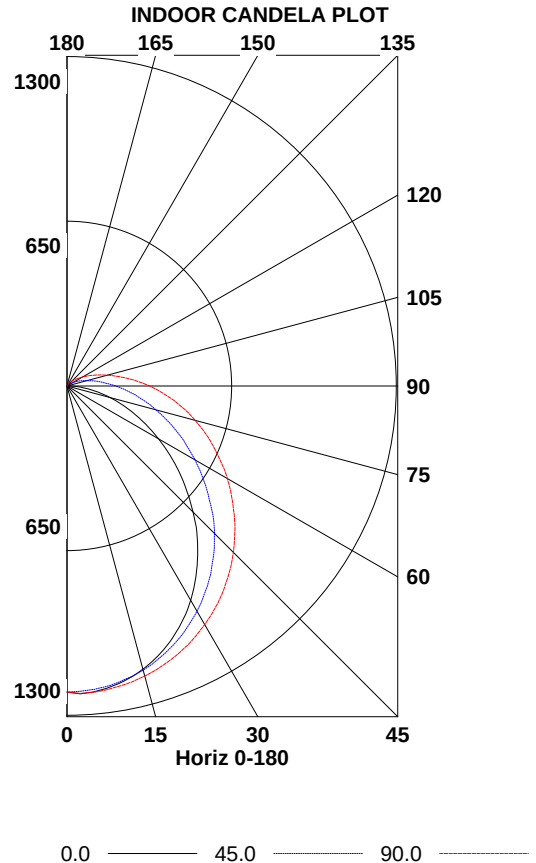
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	941	22.2	22.2
0-40	1543	36.4	36.4
0-60	2761	65.2	65.2
0-90	3892	91.9	91.9
90-120	296	7.0	7.0
90-130	320	7.6	7.6
90-150	340	8.0	8.0
90-180	341	8.1	8.1
0-180	4233	100.0	100.0

AVERAGE LUMINANCE

CANDELA/SQ M

ANGLE	0.0	22.5	45.0	67.5	90.0
0	13003	13003	13003	13003	13003
30	11920	10791	10405	10256	10391
40	10956	9688	9482	9483	9656
45	10379	9079	9009	9116	9304
50	9770	8432	8489	8735	8943
55	9182	7778	7962	8382	8594
60	8499	7075	7498	8025	8280
65	7881	6405	7040	7714	7947
70	7194	5718	6603	7420	7684
75	6454	5000	6142	7148	7411
80	5757	4341	5783	6909	7142
85	5223	3789	5491	6665	6919



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	80%				70%				50%				30%				10%				0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	95	95	95	92
1	105	99	94	89	101	96	91	87	90	86	83	85	82	79	80	78	75	75	75	75	72
2	95	85	78	71	91	83	76	70	78	72	67	73	68	64	69	65	62	62	62	62	59
3	86	74	66	59	83	72	64	58	68	61	56	64	58	54	61	56	52	52	52	52	49
R	4	78	66	56	49	75	64	55	49	60	53	47	57	51	45	54	48	44	44	44	41
C	5	72	59	49	42	69	57	48	42	54	46	40	51	44	39	48	43	38	38	38	36
R	6	66	53	43	37	64	51	42	36	49	41	35	46	39	34	44	38	33	33	33	31
	7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	29	29	27
	8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	37	31	26	26	26	24
	9	53	40	31	26	52	39	31	25	37	30	25	35	29	24	34	28	24	24	24	22
	10	50	37	29	23	48	36	28	23	34	27	22	33	26	22	31	26	22	22	22	20

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.

ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.

THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

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CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	1208	1208	1208	1208	1208
2.5	1216*	1202	1206	1203	1214
5.0	1212	1198	1202	1200	1213
7.5	1203	1191	1196	1196	1209
10.0	1191	1179	1186	1189	1202
12.5	1176	1165	1175	1179	1195
15.0	1157	1148	1161	1168	1185
17.5	1135	1128	1144	1154	1174
20.0	1109	1104	1125	1140	1160
22.5	1081	1079	1104	1123	1145
25.0	1049	1049	1080	1104	1128
27.5	1015	1018	1053	1082	1108
30.0	977	983	1026	1060	1087
32.5	934	945	996	1036	1065
35.0	891	905	965	1011	1041
37.5	848	866	932	982	1015
40.0	801	822	896	954	987
42.5	755	781	861	923	959
45.0	704	733	823	894	929
47.5	654	688	785	862	897
50.0	606	641	743	828	865
52.5	558	594	702	794	832
55.0	512	550	661	761	798
57.5	462	504	623	726	764
60.0	417	459	584	691	731
62.5	374	416	543	658	697
65.0	331	375	508	623	660
67.5	290	334	469	589	626
70.0	249	296	435	555	593
72.5	212	259	398	520	558
75.0	174	223	363	488	524
77.5	141	191	333	454	491
80.0	110	161	300	423	455
82.5	83	134	273	390	424
85.0	58	111	243	358	389
87.5	33	89	217	327	358
90.0	19	72	193	297	327
92.5	10	58	168	267	295
95.0	10	46	147	241	267
97.5	10	36	129	214	237
100.0	10	30	111	189	212
102.5	10	24	95	167	187
105.0	10	20	82	146	165
107.5	10	18	70	128	145
110.0	10	15	60	111	127
112.5	10	14	51	96	110
115.0	10	12	43	82	95
117.5	10	12	36	70	82
120.0	10	11	31	60	71
122.5	10	11	26	51	61
125.0	11	10	21	44	52
127.5	11	10	18	37	44
130.0	11	10	16	32	37
132.5	11	10	15	27	32
135.0	11	9	13	22	28
137.5	11	9	12	19	23
140.0	11	9	12	17	20
142.5	11	9	11	15	18
145.0	12	9	10	14	16
147.5	12	9	10	13	14
150.0	12	9	9	12	13
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE