

LUMINAIRE: ESL4-35LW-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: 4045

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 #20363

DATE: 4/19/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 118

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.02

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

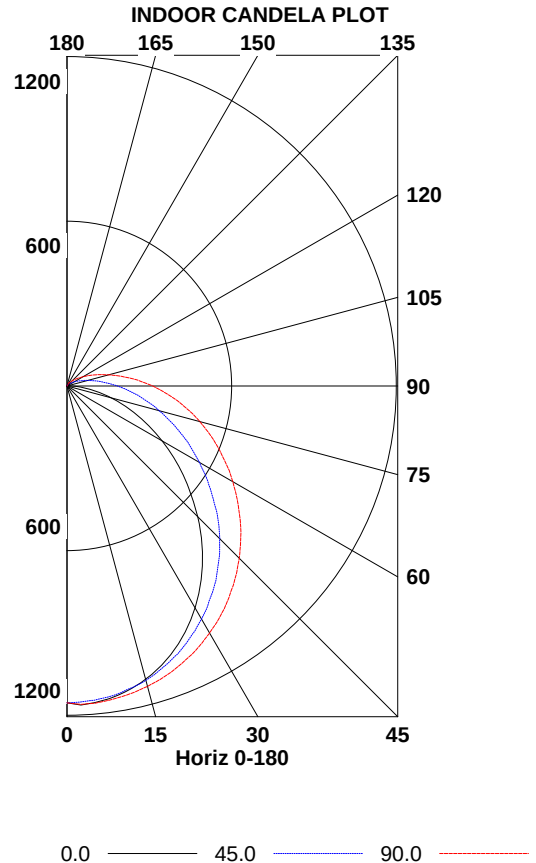
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	899	22.2	22.2
0-40	1475	36.5	36.5
0-60	2640	65.3	65.3
0-90	3720	92.0	92.0
90-120	282	7.0	7.0
90-130	306	7.6	7.6
90-150	324	8.0	8.0
90-180	325	8.0	8.0
0-180	4045	100.0	100.0

AVERAGE LUMINANCE

CANDELA/SQ M

ANGLE	0.0	22.5	45.0	67.5	90.0
0	12422	12422	12422	12422	12422
30	11395	10319	9939	9802	9932
40	10478	9264	9058	9066	9235
45	9922	8670	8615	8708	8893
50	9334	8064	8124	8345	8550
55	8788	7424	7613	8018	8206
60	8132	6767	7165	7677	7906
65	7548	6115	6735	7380	7598
70	6876	5467	6299	7085	7347
75	6157	4776	5871	6826	7085
80	5496	4153	5532	6599	6828
85	4953	3619	5242	6368	6617



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	69	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	1154	1154	1154	1154	1154
2.5	1163*	1149	1152	1150	1161
5.0	1158	1145	1149	1147	1160
7.5	1150	1138	1143	1143	1155
10.0	1138	1127	1134	1136	1149
12.5	1124	1114	1123	1127	1142
15.0	1106	1097	1110	1117	1133
17.5	1085	1078	1093	1104	1122
20.0	1060	1056	1075	1089	1109
22.5	1033	1031	1056	1073	1094
25.0	1003	1003	1032	1056	1078
27.5	970	973	1007	1034	1059
30.0	934	940	980	1013	1039
32.5	893	903	952	991	1018
35.0	852	865	922	966	995
37.5	810	828	891	939	970
40.0	766	786	856	912	944
42.5	722	746	823	883	916
45.0	673	700	787	854	888
47.5	625	658	750	824	857
50.0	579	613	711	791	827
52.5	533	568	671	759	795
55.0	490	525	632	728	762
57.5	442	482	596	694	730
60.0	399	439	558	661	698
62.5	357	398	519	629	666
65.0	317	358	486	596	631
67.5	277	320	448	563	599
70.0	238	283	415	530	567
72.5	203	247	381	497	533
75.0	166	213	347	466	501
77.5	134	182	319	434	469
80.0	105	154	287	404	435
82.5	79	128	261	373	405
85.0	55	106	232	342	372
87.5	32	86	208	313	342
90.0	18	69	184	284	313
92.5	9	55	161	256	282
95.0	9	44	140	230	256
97.5	9	35	123	205	227
100.0	9	29	106	180	203
102.5	9	23	91	160	179
105.0	9	19	78	139	158
107.5	9	17	67	122	138
110.0	9	14	57	106	121
112.5	9	13	49	92	105
115.0	9	11	41	78	91
117.5	9	11	35	67	78
120.0	9	10	30	57	68
122.5	9	10	24	49	58
125.0	10	9	20	42	50
127.5	10	9	17	36	42
130.0	10	9	15	31	36
132.5	10	9	14	25	31
135.0	10	8	12	21	26
137.5	10	8	11	18	22
140.0	10	8	11	16	19
142.5	10	8	10	14	17
145.0	11	8	9	13	15
147.5	11	8	9	12	13
150.0	11	8	8	11	12
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