

LUMINAIRE: MPS8-35MLHE-FW-EDU
 MultiPurpose Linear, Surface
 Narrow Strip-Light 8ft with frosted linear prisms lens
 Data Scaled from Test# 17.03194
BALLAST: (2) XI040C110V054BST1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 8667
WATTS: 67.40
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.24 90° = 1.67
LUMINOUS OPENING IN FEET
 LENGTH: 8.00
 WIDTH: 0.25
 HEIGHT: 0.13

TEST #23172

DATE: 10/3/2019

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 129

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.86

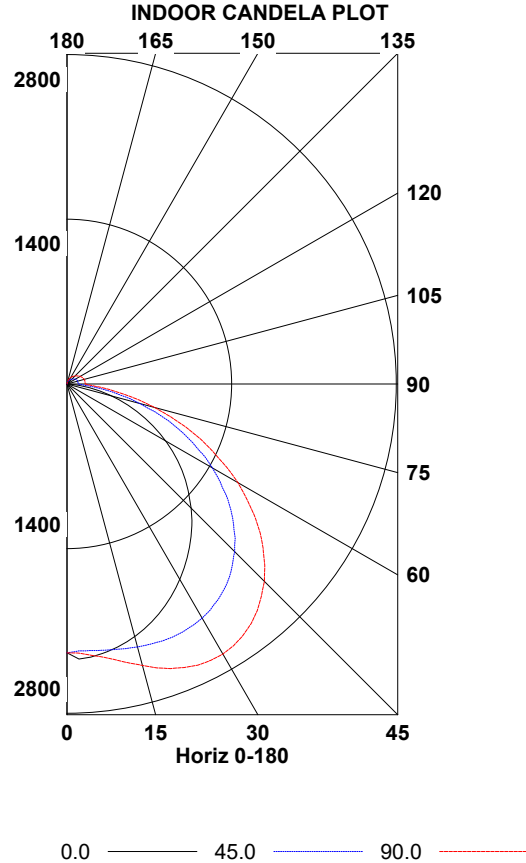
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1953	22.5	22.5
0-40	3338	38.5	38.5
0-60	6277	72.4	72.4
0-90	8253	95.2	95.2
90-120	265	3.1	3.1
90-130	327	3.8	3.8
90-150	396	4.6	4.6
90-180	414	4.8	4.8
0-180	8667	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	12292	12292	12292	12292	12292
30	11809	11062	11716	12449	12666
40	11381	10542	11438	12132	12307
45	11174	10194	11126	11755	11888
50	10924	9794	10657	11171	11248
55	10564	9271	10068	10441	10457
60	10134	8638	9278	9509	9503
65	9549	7804	8274	8363	8285
70	8797	6798	7090	7056	6985
75	7646	5526	5545	5553	5459
80	6016	3836	3856	3891	3846
85	3125	2007	2153	2315	2348



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	RW	80%				70%				50%				30%				0%
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	97	93	104	99	95	91	94	91	88	89	87	84	85	83	81	78
2	97	88	81	75	94	86	79	74	81	76	71	77	73	69	74	70	67	64
3	88	77	68	62	85	75	67	61	71	65	59	68	62	57	65	60	56	53
R 4	80	68	59	52	77	66	58	51	63	56	50	60	54	49	57	52	47	45
C 5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
R 6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	36	33
7	62	49	40	33	60	48	39	33	46	38	32	44	37	32	42	36	31	29
8	58	44	35	29	56	43	35	29	41	34	29	40	33	28	38	32	28	26
9	54	40	32	26	52	40	32	26	38	31	26	37	30	25	35	29	25	23
10	51	37	29	24	49	36	29	23	35	28	23	34	27	23	33	27	22	21

ZONAL CAVITY METHOD

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	2284	2284	2284	2284	2284
2.5	2340	2272	2270	2292	2290
5.0	2330	2268	2274	2308	2314
7.5	2310	2258	2282	2332	2342
10.0	2286	2244	2292	2364	2380
12.5	2258	2228	2304	2400	2428
15.0	2222	2210	2314	2440	2476
17.5	2182	2186	2322	2480	2530
20.0	2140	2156	2328	2512	2574
22.5	2088	2124	2330	2538	2608
25.0	2034	2088	2326	2558	2636
27.5	1980	2046	2314	2566	2648
30.0	1918	2000	2298	2566	2650*
32.5	1852	1950	2272	2550	2636
35.0	1788	1894	2238	2524	2608
37.5	1716	1834	2196	2484	2570
40.0	1642	1770	2146	2432	2516
42.5	1572	1700	2082	2370	2446
45.0	1492	1626	2016	2296	2374
47.5	1408	1550	1938	2208	2280
50.0	1330	1468	1848	2108	2176
52.5	1242	1382	1756	2002	2068
55.0	1152	1290	1654	1886	1942
57.5	1066	1194	1542	1760	1808
60.0	968	1100	1428	1628	1678
62.5	866	998	1306	1488	1530
65.0	776	894	1178	1342	1376
67.5	678	792	1048	1198	1234
70.0	584	686	920	1048	1078
72.5	488	578	780	896	920
75.0	390	478	644	752	772
77.5	294	372	514	608	628
80.0	212	274	392	472	490
82.5	130	188	280	350	368
85.0	60	112	186	246	264
87.5	14	60	124	172	190
90.0	0	42	96	140	158
92.5	0	40	94	138	154
95.0	0	40	94	138	154
97.5	0	40	94	136	154
100.0	0	38	94	136	154
102.5	0	40	94	136	152
105.0	0	38	92	136	152
107.5	2	40	92	134	150
110.0	0	38	92	132	146
112.5	0	38	90	130	142
115.0	0	38	88	126	138
117.5	0	38	86	120	134
120.0	0	36	82	118	130
122.5	0	36	80	112	124
125.0	0	34	76	108	118
127.5	0	32	70	102	112
130.0	0	30	66	98	108
132.5	0	28	62	92	102
135.0	0	26	58	86	96
137.5	0	24	54	80	92
140.0	0	24	52	74	86
142.5	0	22	48	70	80
145.0	2	22	44	64	76
147.5	0	18	40	58	70
150.0	0	18	38	52	64
152.5	0	16	34	48	58
155.0	2	14	30	42	54
157.5	0	12	26	36	48
160.0	0	10	24	32	42
162.5	0	10	20	26	36
165.0	2	8	16	22	26
167.5	0	6	12	16	16
170.0	2	4	10	12	10
172.5	0	2	6	8	6
175.0	2	2	4	4	4
177.5	0	0	0	0	0
180.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE