

**LUMINAIRE:** MPS4-35VW-CN-EDU  
 Narrow LED, Surface  
 Narrow Strip Light 4ft with frosted linear prisms lens  
 Data Scaled from Test# 17.02554  
**BALLAST:** XI040C110V054BST1  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 3174  
**WATTS:** 26.50  
**MOUNTING:** Surface  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.17 90° = 0.76  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 4.00  
 WIDTH: 0.25  
 HEIGHT: 0.12

TEST #19725  
 DATE: 9/20/2017

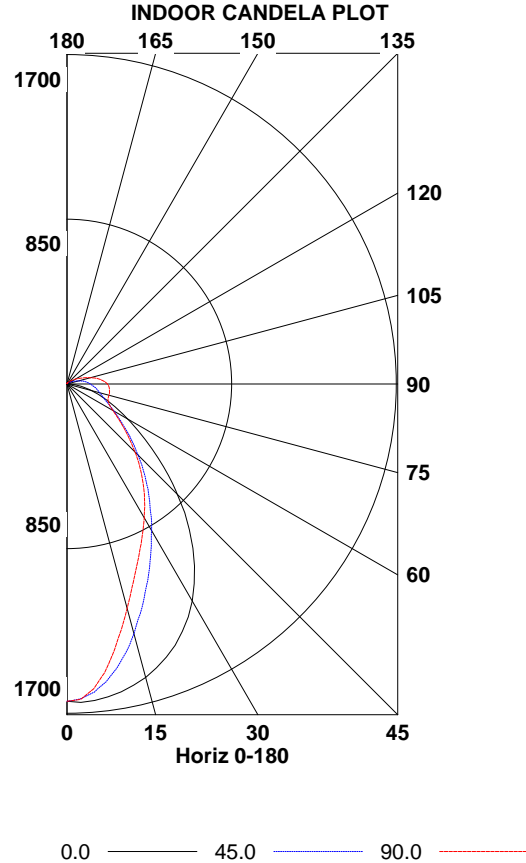
**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 120**  
**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.97**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1032	32.5	32.5
0-40	1555	49.0	49.0
0-60	2350	74.0	74.0
0-90	2928	92.3	92.3
90-120	210	6.6	6.6
90-130	227	7.2	7.2
90-150	241	7.6	7.6
90-180	245	7.7	7.7
0-180	3174	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M					
	0.0	15.0	35.0	55.0	75.0	90.0
0	17621	17621	17621	17621	17621	17621
30	15797	13589	10054	8340	7806	7766
40	13473	11019	7544	6303	6001	5960
45	11897	9583	6476	5429	5131	5102
50	10331	8227	5502	4622	4375	4357
55	8746	6975	4730	3975	3735	3708
60	7429	5887	4123	3473	3247	3221
65	6413	5023	3643	3143	2976	2987
70	5582	4275	3313	3047	3030	3054
75	4900	3651	3140	3138	3271	3337
80	4291	3118	3053	3335	3611	3714
85	3771	2649	3040	3602	4041	4170



**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	107	102	97	94	103	99	95	91	93	90	87	88	85	83	83	81	79	77
2	98	90	83	78	94	87	81	76	82	77	73	78	74	70	74	71	68	65
3	90	80	72	66	87	78	71	65	74	68	63	70	65	61	66	62	59	56
R 4	83	72	63	57	80	70	62	56	66	60	55	63	58	53	60	56	52	49
C 5	77	65	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46	44
R 6	71	59	51	44	69	58	50	44	55	48	43	53	47	42	51	45	41	39
7	67	54	46	40	65	53	45	40	51	44	39	49	42	38	47	41	37	35
8	62	50	42	36	60	49	41	36	47	40	35	45	39	34	43	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	40	35	31	29
10	55	43	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

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	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	90.0
0.0	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637	1637
2.5	1645*	1636	1625	1627	1629	1626	1629	1616	1625	1630	1629
5.0	1639	1630	1617	1613	1607	1597	1593	1573	1577	1580	1579
7.5	1628	1617	1600	1588	1571	1550	1532	1504	1501	1501	1500
10.0	1613	1601	1578	1556	1524	1487	1456	1418	1406	1401	1399
12.5	1592	1580	1549	1514	1465	1415	1370	1322	1305	1299	1297
15.0	1568	1553	1516	1464	1398	1334	1279	1228	1207	1200	1198
17.5	1536	1522	1474	1410	1325	1250	1189	1138	1119	1109	1110
20.0	1500	1485	1429	1349	1251	1168	1106	1059	1043	1034	1032
22.5	1459	1440	1377	1282	1175	1091	1030	987	972	968	967
25.0	1408	1393	1317	1211	1097	1013	959	921	908	904	906
27.5	1355	1336	1257	1138	1021	943	892	862	852	851	850
30.0	1293	1274	1190	1065	949	874	830	806	799	798	798
32.5	1222	1205	1115	987	875	808	770	751	746	745	747
35.0	1147	1132	1040	912	805	744	712	697	695	695	697
37.5	1068	1052	964	841	737	687	657	646	647	645	645
40.0	983	970	885	765	672	628	603	597	596	596	595
42.5	900	881	807	695	610	574	551	546	547	545	548
45.0	805	796	726	624	553	519	503	497	496	496	496
47.5	720	708	651	562	497	470	455	451	450	450	450
50.0	639	625	581	503	446	426	411	408	408	409	409
52.5	555	550	512	447	401	381	372	369	369	369	368
55.0	486	477	453	398	360	344	336	334	333	334	333
57.5	416	413	396	355	323	308	303	302	300	300	301
60.0	363	356	346	315	291	280	276	274	274	274	274
62.5	310	309	301	279	261	253	251	251	251	251	251
65.0	268	265	262	248	235	232	232	233	235	237	238
67.5	228	225	226	217	213	213	217	221	226	230	230
70.0	192	190	193	192	192	199	206	214	221	225	225
72.5	161	161	165	167	175	186	199	210	218	223	224
75.0	131	132	138	147	160	175	191	206	217	223	224
77.5	107	106	115	128	146	166	185	203	216	223	224
80.0	81	83	94	111	133	157	179	200	214	222	223
82.5	60	60	75	97	121	148	173	194	211	220	221
85.0	41	42	59	82	109	138	166	190	209	218	219
87.5	22	25	45	70	99	129	160	185	204	213	215
90.0	8	14	34	59	89	121	153	178	197	207	209
92.5	5	8	26	50	79	113	145	170	188	197	199
95.0	5	7	20	43	72	104	134	160	177	186	187
97.5	6	6	15	37	64	96	124	148	165	173	174
100.0	5	6	12	30	55	84	113	135	151	159	160
102.5	6	6	10	23	46	73	99	120	134	142	144
105.0	6	6	9	18	38	62	86	105	118	126	126
107.5	6	6	8	15	31	51	72	90	102	108	110
110.0	6	6	7	12	24	43	61	76	88	94	95
112.5	6	6	7	11	20	35	51	65	74	80	80
115.0	6	6	7	9	17	29	43	55	64	69	69
117.5	6	6	7	8	14	23	36	47	55	59	59
120.0	6	6	7	7	12	20	30	39	46	50	51
122.5	6	6	7	7	10	17	25	33	39	42	42
125.0	6	7	7	7	9	15	21	27	33	36	36
127.5	6	7	7	7	8	13	18	23	27	30	31
130.0	6	7	7	7	8	11	16	20	23	25	25
132.5	7	7	6	7	7	10	13	17	20	21	21
135.0	7	7	6	6	7	9	12	15	17	18	19
137.5	7	7	7	6	7	8	10	13	15	16	16
140.0	7	7	6	6	6	8	9	11	13	14	14
142.5	7	7	6	6	6	7	8	10	11	12	12
145.0	7	7	7	5	6	7	8	9	10	11	11
147.5	7	7	6	5	6	6	7	8	9	10	10
150.0	7	7	6	5	5	6	7	7	8	9	9
152.5	7	7	6	5	5	6	6	7	7	8	8
155.0	8	7	6	4	4	5	6	7	7	7	7
157.5	8	7	6	4	4	4	5	6	6	6	7
160.0	8	7	6	4	4	4	5	5	6	6	6
162.5	8	7	6	4	3	4	4	4	5	5	5
165.0	8	8	6	4	3	3	4	4	4	4	4
167.5	8	8	6	4	3	3	3	4	4	4	4
170.0	8	8	6	4	2	3	3	3	3	3	3
172.5	8	8	6	4	2	3	3	3	3	3	3
175.0	8	8	6	4	2	2	3	3	3	3	3
177.5	8	8	6	4	2	2	2	2	2	2	2
180.0	4	4	4	4	4	4	4	4	4	4	4

\*MAXIMUM CANDELA VALUE