

LUMINAIRE: CLB2-40MV-N-EDU
Columbia Linear Highbay

TEST #CLB2-40MV-N-EDU
DATE: 3/3/2021

BALLAST:
BALLAST FACTOR: 1.00
LAMP:
FIXTURE LUMENS: 27704
WATTS: 204.1
SHIELDING ANGLE: N/A
SPACING CRITERION: 0° = 1.20 90° = 1.15
LUMINOUS OPENING IN FEET
LENGTH: 1.89
WIDTH: 1.23
HEIGHT: 0.00

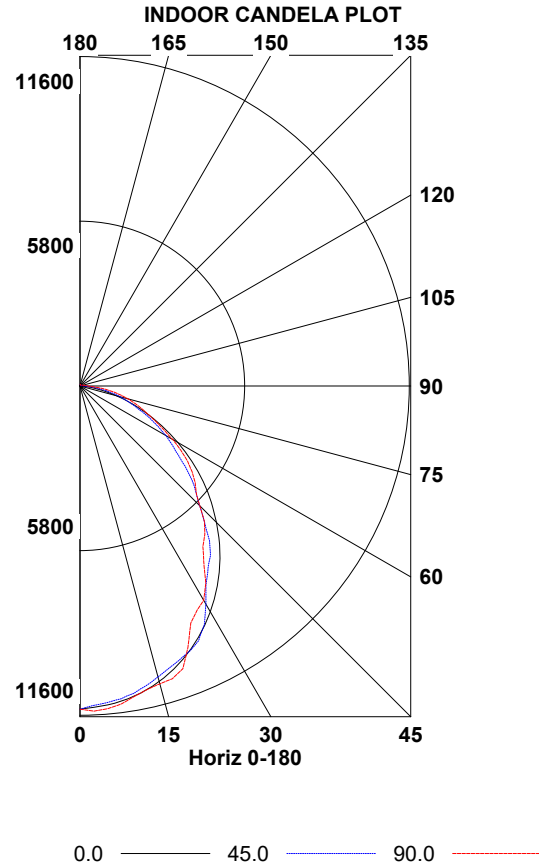
TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 136
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.76
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8543	30.8	30.8
0-40	13580	49.0	49.0
0-60	22432	81.0	81.0
0-90	27332	98.7	98.7
90-120	230	0.8	0.8
90-130	262	0.9	0.9
90-150	327	1.2	1.2
90-180	372	1.3	1.3
0-180	27704	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	52688	52688	52688	52688	52688
30	49067	49859	47440	45263	46579
40	46294	47094	42869	39849	41344
45	44481	43781	38973	38609	39091
50	42376	41160	37022	35993	38150
55	40038	37268	34011	35180	37369
60	36818	33500	32398	33263	34962
65	33118	30210	29968	30394	32143
70	28647	26985	27512	28973	31152
75	23781	23784	26055	28680	31306
80	18560	20708	24883	28267	32002
85	12595	17713	23232	28726	34651



COEFFICIENTS OF UTILIZATION (%)

RC	RW	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
		80%					70%					50%					30%		10%		0%
		70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99			
1	109	104	100	97	106	102	98	95	97	94	92	93	91	89	90	88	86	84			
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71			
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	71	66	62	60			
R	4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	63	58	54	52		
C	5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	57	52	48	45		
R	6	72	59	50	44	70	58	50	44	56	48	43	54	48	43	52	47	42	40		
	7	67	53	45	39	65	53	44	39	51	44	38	49	43	38	48	42	38	36		
	8	62	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32		
	9	58	45	37	32	57	44	37	31	43	36	31	42	36	31	41	35	31	29		
	10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26		

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	11379	11379	11379	11379	11379
2.5	11325	11296	11257	11240	11461*
5.0	11273	11228	11186	11175	11401
7.5	11192	11136	11107	11064	11285
10.0	11082	11029	10981	10879	11094
12.5	10940	10909	10800	10712	10944
15.0	10771	10770	10604	10590	10858
17.5	10570	10603	10420	10515	10810
20.0	10343	10410	10257	10393	10591
22.5	10089	10184	10104	9963	9944
25.0	9809	9925	9891	9260	9219
27.5	9506	9636	9485	8702	8914
30.0	9177	9325	8873	8466	8712
32.5	8829	8997	8266	8172	8242
35.0	8458	8651	7856	7645	7607
37.5	8069	8258	7541	7030	7108
40.0	7659	7791	7092	6593	6840
42.5	7235	7247	6484	6308	6486
45.0	6793	6686	5952	5896	5970
47.5	6339	6183	5543	5400	5550
50.0	5883	5714	5140	4997	5296
52.5	5424	5185	4678	4729	4987
55.0	4960	4617	4213	4358	4629
57.5	4468	4086	3841	4003	4207
60.0	3976	3618	3499	3592	3775
62.5	3495	3178	3119	3173	3322
65.0	3023	2757	2735	2774	2934
67.5	2559	2366	2371	2442	2599
70.0	2116	1993	2032	2140	2301
72.5	1702	1647	1729	1866	2025
75.0	1329	1329	1456	1603	1750
77.5	996	1040	1195	1330	1478
80.0	696	777	933	1060	1200
82.5	443	546	682	795	921
85.0	237	333	437	541	652
87.5	98	159	252	333	413
90.0	30	72	151	224	270
92.5	31	52	119	189	229
95.0	34	43	98	161	198
97.5	34	39	83	139	172
100.0	36	38	71	119	149
102.5	37	38	61	102	127
105.0	38	38	54	85	109
107.5	39	39	49	73	94
110.0	41	40	44	65	80
112.5	43	41	39	56	68
115.0	43	42	34	49	58
117.5	39	37	33	44	51
120.0	30	30	33	42	45
122.5	26	29	36	40	42
125.0	28	32	38	38	39
127.5	32	37	40	38	38
130.0	40	44	41	39	37
132.5	46	46	43	40	37
135.0	47	47	46	41	37
137.5	48	48	48	43	39
140.0	49	48	48	45	41
142.5	50	49	48	46	42
145.0	51	50	49	51	43
147.5	52	51	50	50	47
150.0	52	52	51	49	48
152.5	53	52	52	50	47
155.0	54	53	53	51	47
157.5	55	54	54	51	49
160.0	56	55	54	51	50
162.5	57	56	55	52	51
165.0	57	57	55	52	52
167.5	58	57	56	53	53
170.0	58	57	56	53	54
172.5	57	57	56	53	55
175.0	57	56	56	54	56
177.5	56	56	56	54	57
180.0	55	55	55	55	55

*MAXIMUM CANDELA VALUE