



IES INDOOR REPORT
PHOTOMETRIC FILENAME : L-2-XX-850-4-X-CA HO5.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L072111020
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUE DATE] 9/8/2021
 [MANUFAC] LUX DYNAMICS
 [LUMCAT] L-2-SA-850-4-U10 HO5
 [LUMINAIRE] LED LUMINAIRE
 [BALLASTCAT] SIGNIFY ADVANCE XJ180C180V144BSF2
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 277VAC
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	47675
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	307.26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.96 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	33932	38867	42488
55	28110	38631	48180
65	21373	41529	47943
75	12918	38109	36799
85	5180	28792	27365

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L-2-XX-850-4-X-CA HO5.IES

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	15442	15442	15442	15442	15442	15442	15442	15442	15442	15442
5	15328	15330	15368	15436	15448	15424	15394	15380	15378	15378
10	15114	15132	15192	15164	15160	15222	15306	15360	15364	15430
15	14738	14754	14724	14770	14888	14944	15044	15068	15040	15044
20	14138	14122	14112	14188	14244	14300	14360	14522	14670	14772
25	13422	13390	13414	13430	13462	13580	13816	13958	13874	13638
30	12392	12408	12352	12426	12596	12852	13006	12744	12540	12582
35	11196	11224	11188	11482	11662	11802	11534	11434	11584	11766
40	9800	9836	10012	10330	10474	10312	10242	10422	10662	10842
45	8332	8426	8694	9040	8996	8888	9094	9380	9594	9916
50	6960	7050	7310	7558	7486	7590	8008	8284	8588	8932
55	5636	5720	5920	6020	6076	6442	6808	7196	7662	8174
60	4388	4450	4542	4602	4844	5228	5734	6338	7060	7648
65	3192	3222	3264	3396	3702	4180	4912	5612	6246	6712
70	2098	2124	2172	2376	2758	3318	4034	4666	5228	5674
75	1210	1220	1306	1548	1946	2438	2968	3456	3888	4068
80	574	590	686	886	1170	1464	1762	2122	2454	2658
85	182	202	262	352	498	648	844	1052	1246	1400
90	68	82	118	178	258	368	498	648	812	950
95	76	86	116	158	238	320	408	514	628	714
100	92	96	120	160	194	254	330	422	502	554
105	110	112	142	188	254	278	306	344	390	424
110	130	136	146	234	278	382	382	380	390	390
115	150	154	154	260	344	374	482	490	458	434
120	176	188	172	212	358	434	470	442	570	546
125	198	206	188	218	330	420	472	526	456	504
130	216	208	202	240	272	424	460	454	540	546
135	236	220	212	252	290	320	450	508	438	492
140	242	234	214	248	296	322	340	438	516	498
145	250	240	210	248	284	322	338	344	384	468
150	262	256	228	240	270	300	334	350	350	358
155	272	268	252	230	260	278	304	328	346	358
160	274	272	268	252	238	258	274	288	308	322
165	276	272	268	264	254	246	244	256	270	276
170	282	278	274	272	270	264	258	256	250	250
175	292	290	288	286	286	284	284	282	280	278
180	290	290	290	290	290	290	290	290	290	290

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	15442	15442	15442	15442	15442	15442	15442	15442	15442
5	15414	15452	15488	15536	15596	15642	15670	15676	15690
10	15474	15500	15498	15498	15532	15562	15576	15580	15584
15	15146	15220	15288	15352	15434	15480	15510	15514	15510
20	14786	14676	14578	14520	14474	14446	14410	14394	14380
25	13542	13596	13682	13780	13844	13898	13920	13942	13942
30	12766	12864	13002	13182	13308	13392	13406	13394	13382
35	12028	12202	12310	12412	12428	12450	12456	12446	12434
40	11116	11332	11392	11442	11452	11492	11542	11586	11586
45	10164	10344	10460	10550	10644	10722	10808	10890	10914
50	9218	9410	9722	10180	10610	10906	11080	11162	11208
55	8674	9180	9532	9740	9928	10080	10216	10280	10292
60	7998	8380	8746	9038	9222	9274	9318	9296	9268

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L-2-XX-850-4-X-CA HO5.IES

CANDELA TABULATION - (Cont.)

65	7186	7548	7690	7702	7752	7824	7862	7874	7856
70	5860	5952	6032	6074	6108	6082	6056	6054	6056
75	4178	4294	4384	4442	4380	4272	4142	4054	4016
80	2764	2786	2772	2674	2538	2414	2336	2298	2282
85	1510	1574	1546	1480	1430	1406	1402	1400	1398
90	1056	1094	1070	1052	1036	1016	994	980	974
95	768	790	794	780	754	726	704	692	686
100	580	598	610	606	588	574	564	556	554
105	448	466	478	484	484	480	478	478	476
110	390	390	394	398	406	412	418	422	424
115	430	410	398	390	386	388	392	400	404
120	508	470	452	438	436	434	428	424	428
125	598	592	560	530	506	486	478	476	472
130	470	454	548	598	596	588	582	578	578
135	548	552	534	482	448	448	462	482	490
140	446	472	524	548	548	550	552	554	558
145	524	530	490	456	450	464	482	494	498
150	386	436	484	518	538	546	546	542	542
155	362	360	366	376	390	404	420	428	432
160	344	356	362	366	372	374	374	374	374
165	286	296	308	318	330	336	340	342	344
170	250	252	256	260	266	270	274	276	278
175	278	278	278	276	276	274	272	272	274
180	290	290	290	290	290	290	290	290	290

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L-2-XX-850-4-X-CA HO5.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5720.06	N.A.	12.00
0-30	12031.76	N.A.	25.20
0-40	19474.64	N.A.	40.80
0-60	34332.73	N.A.	72.00
0-80	43755.81	N.A.	91.80
0-90	45067.05	N.A.	94.50
10-90	43593.63	N.A.	91.40
20-40	13754.58	N.A.	28.90
20-50	21374.07	N.A.	44.80
40-70	20768.47	N.A.	43.60
60-80	9423.09	N.A.	19.80
70-80	3512.7	N.A.	7.40
80-90	1311.23	N.A.	2.80
90-110	994.56	N.A.	2.10
90-120	1363.06	N.A.	2.90
90-130	1751.54	N.A.	3.70
90-150	2336.93	N.A.	4.90
90-180	2607.56	N.A.	5.50
110-180	1613.00	N.A.	3.40
0-180	47674.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1473.42
10-20	4246.64
20-30	6311.69
30-40	7442.89
40-50	7619.49
50-60	7238.59
60-70	5910.39
70-80	3512.7
80-90	1311.23
90-100	598.93
100-110	395.64
110-120	368.50
120-130	388.47
130-140	332.14
140-150	253.26
150-160	161.37
160-170	82.96
170-180	26.30

IES INDOOR REPORT

PHOTOMETRIC FILENAME : L-2-XX-850-4-X-CA HO5.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	107	102	97	93	104	99	95	91	94	91	87	89	86	84	85	82	80	78
2	97	88	81	75	94	86	80	74	82	76	72	77	73	69	74	70	67	64
3	88	77	69	62	85	75	68	62	72	65	60	68	63	58	65	60	56	54
4	81	68	60	53	78	67	58	52	64	56	51	61	54	49	58	53	48	46
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	42	37	47	41	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	30
8	59	45	37	31	57	44	36	31	43	35	30	41	34	30	39	34	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	31	27	36	31	26	24
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22

IES INDOOR REPORT

PHOTOMETRIC FILENAME : L-2-XX-850-4-X-CA HO5.IES

UGR TABLE - CORRECTED

Reflectances

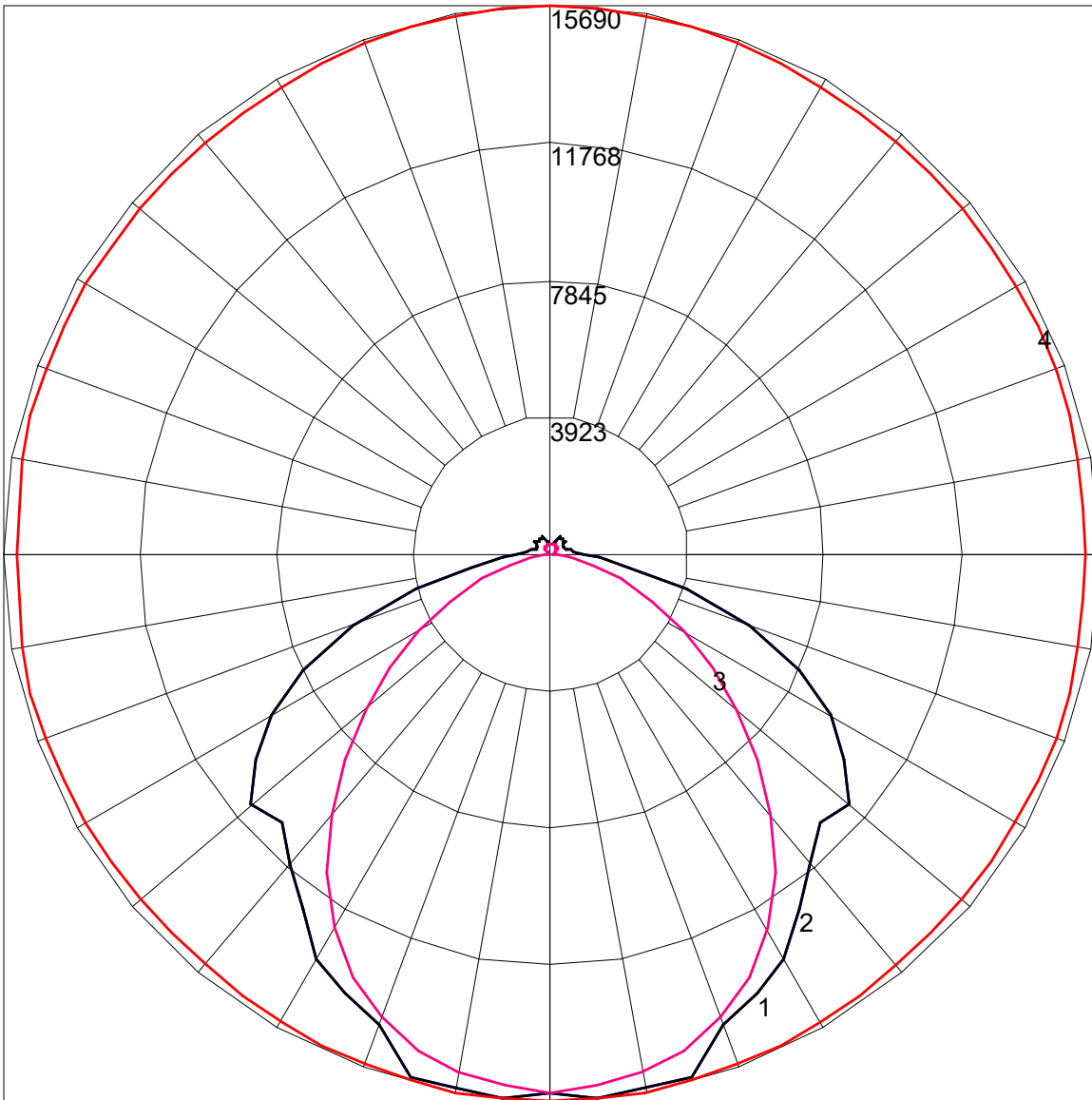
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	22.0	23.5	22.5	24.0	24.4	26.2	27.7	26.6	28.1	28.6
	3H	23.1	24.4	23.5	24.9	25.4	28.3	29.6	28.7	30.1	30.6
	4H	23.3	24.6	23.8	25.1	25.6	29.0	30.3	29.5	30.7	31.2
	6H	23.4	24.6	23.9	25.1	25.7	29.4	30.6	29.9	31.1	31.6
	8H	23.4	24.6	24.0	25.1	25.6	29.6	30.7	30.1	31.2	31.8
	12H	23.4	24.5	24.0	25.0	25.6	29.7	30.8	30.2	31.3	31.9
4H	2H	23.7	25.0	24.2	25.5	26.0	26.7	28.0	27.2	28.4	29.0
	3H	25.2	26.3	25.7	26.8	27.3	29.0	30.1	29.5	30.6	31.2
	4H	25.5	26.5	26.1	27.1	27.6	29.9	30.9	30.4	31.4	32.0
	6H	25.7	26.6	26.3	27.2	27.7	30.5	31.4	31.0	31.9	32.5
	8H	25.8	26.6	26.3	27.1	27.7	30.7	31.5	31.3	32.1	32.7
	12H	25.8	26.5	26.3	27.1	27.7	30.9	31.6	31.5	32.2	32.8
8H	4H	26.6	27.4	27.1	27.9	28.5	30.2	31.0	30.7	31.5	32.1
	6H	27.0	27.7	27.6	28.2	28.9	30.9	31.6	31.5	32.2	32.8
	8H	27.1	27.7	27.7	28.3	28.9	31.2	31.8	31.8	32.4	33.0
	12H	27.1	27.6	27.7	28.2	28.9	31.5	32.0	32.1	32.6	33.3
12H	4H	26.7	27.5	27.3	28.0	28.6	30.1	30.9	30.7	31.5	32.1
	6H	27.3	27.9	27.9	28.4	29.1	30.9	31.6	31.6	32.1	32.8
	8H	27.4	28.0	28.0	28.6	29.3	31.3	31.8	31.9	32.4	33.1

Maximum UGR = 33.3

POLAR GRAPH



Maximum Candela = 15690 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)