



IES INDOOR REPORT
PHOTOMETRIC FILENAME : L-6-XX-850-2-X-CA HO5.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L072111024
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUE DATE] 9/7/2021
 [MANUFAC] LUX DYNAMICS
 [LUMCAT] L-6-TA-850-2-U10 HO5
 [LUMINAIRE] LED LUMINAIRE
 [BALLASTCAT] SIGNIFY ADVANCE XJ180C180V144BSF2 (3 DRIVER)
 [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	71151
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	464.91
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.46 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	65330	80826	88527
55	54089	80368	100980
65	41099	85955	99806
75	25048	73693	72185
85	9892	33497	17041

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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	22924	22924	22924	22924	22924	22924	22924	22924	22924	22924
5	22895	22865	22867	22906	22940	22928	22891	22884	22916	22965
10	22518	22490	22547	22547	22588	22741	22963	23106	23145	23225
15	21885	21900	21850	21951	22272	22462	22594	22684	22656	22580
20	20993	20951	20950	21208	21354	21477	21516	21538	21581	21692
25	19901	19839	19956	20115	20154	20165	20245	20394	20449	20509
30	18448	18379	18443	18601	18607	18751	18963	18963	19067	19400
35	16666	16642	16758	17008	17003	17168	17242	17497	17928	18289
40	14589	14630	14922	15124	15198	15368	15692	16167	16641	17057
45	12418	12569	12901	13120	13295	13607	14153	14754	15192	15660
50	10397	10539	10806	11074	11366	11876	12612	13143	13636	14120
55	8448	8554	8732	9054	9491	10236	10871	11458	12132	12894
60	6602	6658	6811	7175	7720	8417	9173	10116	11190	12042
65	4831	4863	5031	5405	5961	6739	7828	8911	9809	10508
70	3210	3253	3442	3844	4448	5381	6357	7283	8077	8655
75	1887	1932	2142	2547	3124	3837	4556	5219	5757	5921
80	926	977	1147	1439	1798	2190	2528	2962	3326	3550
85	305	337	413	488	597	735	921	1095	1197	1206
90	101	101	102	104	107	110	114	117	121	125
95	119	127	112	109	110	112	114	116	119	122
100	154	181	200	165	115	111	111	112	113	115
105	194	254	315	349	320	157	107	104	103	103
110	239	309	431	484	532	548	331	162	100	92
115	294	363	522	618	657	707	780	625	355	190
120	354	420	574	710	782	818	859	927	923	741
125	405	468	581	762	870	914	932	967	973	1040
130	457	503	601	778	901	992	1017	1000	1030	1031
135	488	521	620	720	896	996	1070	1089	1041	1055
140	509	539	619	675	836	970	1049	1101	1134	1110
145	521	549	601	690	733	897	998	1058	1106	1149
150	535	554	580	665	718	763	904	992	1048	1090
155	548	562	574	615	692	722	756	827	940	1003
160	543	552	565	578	613	668	707	729	757	801
165	529	535	544	551	560	579	616	648	680	699
170	531	531	535	540	547	551	555	563	576	592
175	555	555	555	553	553	556	557	559	562	565
180	559	559	559	559	559	559	559	559	559	559

Vert. 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	22924	22924	22924	22924	22924	22924	22924	22924	22924
5	23038	23139	23241	23308	23366	23395	23413	23418	23429
10	23309	23357	23360	23340	23321	23301	23282	23255	23229
15	22536	22497	22538	22601	22632	22657	22667	22648	22630
20	21743	21776	21820	21842	21851	21837	21826	21802	21802
25	20598	20778	21004	21173	21277	21390	21465	21492	21497
30	19757	19970	20163	20418	20633	20751	20741	20747	20725
35	18735	19082	19205	19314	19336	19347	19365	19359	19342
40	17450	17763	17839	17879	17900	17929	18006	18053	18071
45	15970	16250	16436	16567	16700	16793	16901	16971	16988
50	14528	14831	15313	15924	16526	17028	17271	17348	17348
55	13598	14401	14993	15233	15465	15694	15874	15956	15984
60	12553	13070	13563	13998	14290	14437	14497	14499	14500

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CANDELA TABULATION - (Cont.)

65	11141	11668	11899	11842	11846	11921	12000	11993	11964
70	8913	9047	9129	9062	8967	8879	8785	8669	8596
75	5918	5947	6051	6173	6150	5997	5804	5676	5617
80	3622	3550	3388	3139	2879	2670	2527	2440	2408
85	1162	1065	951	823	734	645	602	579	569
90	128	130	133	135	136	137	138	139	139
95	125	127	130	132	133	135	136	137	137
100	118	120	122	125	127	129	130	131	132
105	104	106	107	109	111	112	114	115	116
110	92	92	93	95	96	98	99	100	100
115	126	88	84	85	86	87	88	89	89
120	508	317	207	155	138	118	102	93	91
125	1044	944	781	633	524	410	350	325	315
130	1028	1073	1107	1106	1066	1023	984	959	952
135	1069	1063	1053	1050	1063	1086	1105	1121	1128
140	1069	1080	1104	1100	1094	1090	1088	1086	1084
145	1173	1172	1135	1106	1103	1112	1122	1129	1131
150	1131	1164	1190	1207	1218	1222	1219	1218	1216
155	1050	1080	1107	1132	1155	1174	1189	1197	1196
160	870	933	983	1018	1046	1071	1087	1096	1092
165	717	731	755	779	801	818	831	843	843
170	611	629	642	650	660	668	673	675	678
175	564	564	567	567	570	570	570	576	576
180	559	559	559	559	559	559	559	559	559

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	8525.44	N.A.	12.00
0-30	18040.63	N.A.	25.40
0-40	29411.12	N.A.	41.30
0-60	52459.67	N.A.	73.70
0-80	66681.55	N.A.	93.70
0-90	67830.25	N.A.	95.30
10-90	65629.84	N.A.	92.20
20-40	20885.67	N.A.	29.40
20-50	32660.94	N.A.	45.90
40-70	32187.52	N.A.	45.20
60-80	14221.88	N.A.	20.00
70-80	5082.92	N.A.	7.10
80-90	1148.7	N.A.	1.60
90-110	312.35	N.A.	0.40
90-120	642.19	N.A.	0.90
90-130	1277.94	N.A.	1.80
90-150	2639.02	N.A.	3.70
90-180	3320.89	N.A.	4.70
110-180	3008.54	N.A.	4.20
0-180	71151.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2200.42
10-20	6325.03
20-30	9515.18
30-40	11370.49
40-50	11775.27
50-60	11273.29
60-70	9138.96
70-80	5082.92
80-90	1148.7
90-100	136.57
100-110	175.78
110-120	329.85
120-130	635.75
130-140	745.06
140-150	616.01
150-160	425.66
160-170	201.21
170-180	55.01

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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	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	108	103	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	79
2	98	89	82	76	94	87	81	75	83	77	73	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	72	66	61	69	64	59	66	61	57	55
4	81	69	60	53	78	67	59	53	64	57	51	61	55	50	59	53	49	47
5	74	61	52	46	72	60	52	45	57	50	44	55	48	43	53	47	42	40
6	69	55	46	40	66	54	46	39	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	43	38	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	32	27	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	24	34	28	24	22

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UGR TABLE - CORRECTED

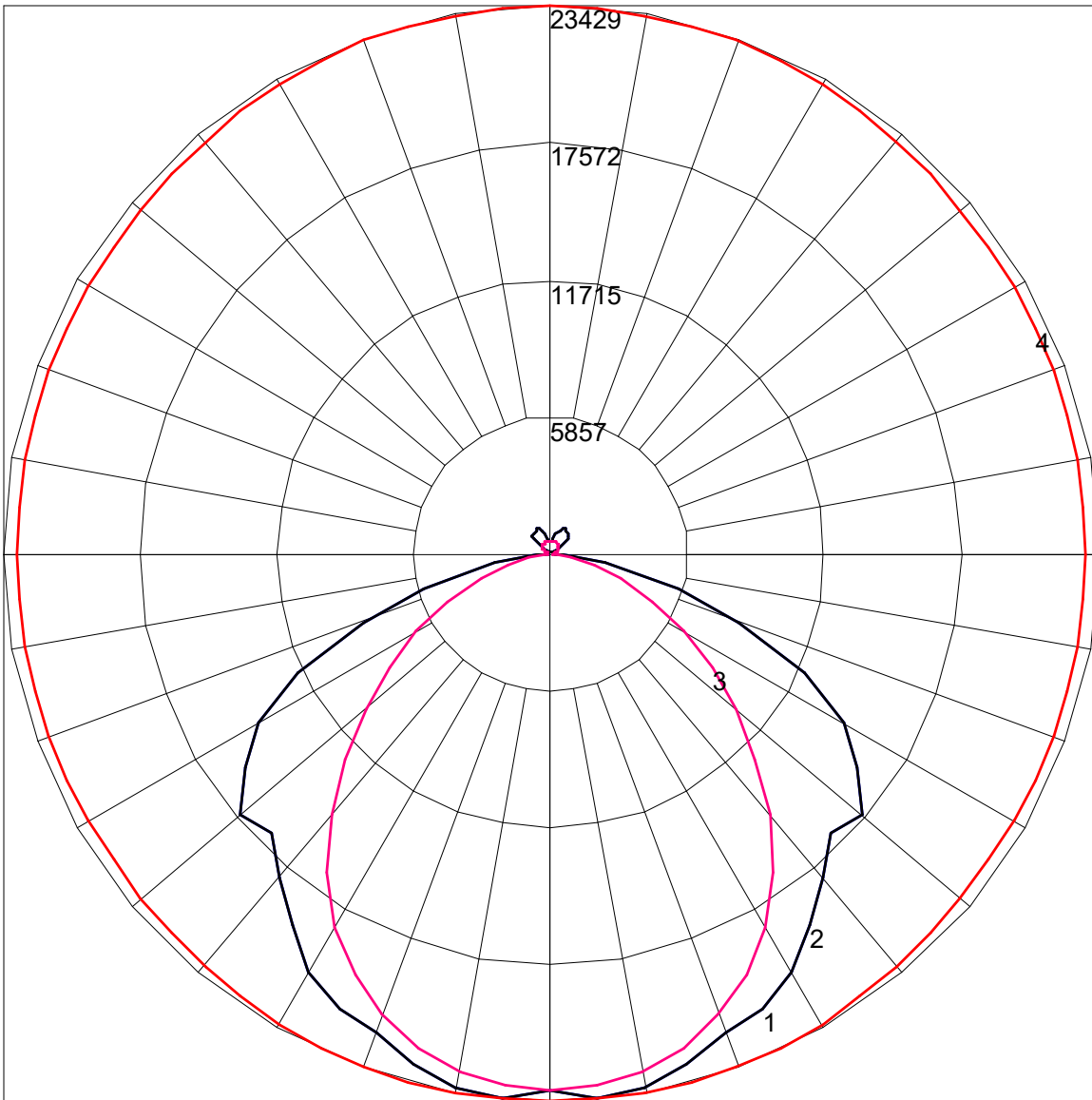
Reflectances

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		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	24.8	26.3	25.2	26.7	27.2	28.8	30.3	29.3	30.8	31.2
	3H	25.9	27.3	26.3	27.7	28.2	30.7	32.1	31.2	32.5	33.0
	4H	26.2	27.5	26.6	27.9	28.4	31.3	32.6	31.8	33.1	33.6
	6H	26.3	27.5	26.8	28.0	28.5	31.6	32.8	32.1	33.2	33.8
	8H	26.3	27.5	26.8	28.0	28.5	31.6	32.8	32.1	33.2	33.8
	12H	26.3	27.4	26.8	27.9	28.5	31.6	32.7	32.1	33.2	33.7
4H	2H	26.5	27.8	27.0	28.3	28.7	29.3	30.6	29.8	31.1	31.6
	3H	28.0	29.1	28.5	29.6	30.1	31.5	32.6	32.0	33.1	33.6
	4H	28.4	29.4	28.9	29.9	30.4	32.2	33.2	32.7	33.7	34.3
	6H	28.6	29.5	29.1	30.0	30.6	32.6	33.5	33.1	34.0	34.6
	8H	28.6	29.4	29.2	30.0	30.5	32.7	33.5	33.2	34.0	34.6
	12H	28.6	29.4	29.2	29.9	30.5	32.7	33.4	33.2	34.0	34.5
8H	4H	29.3	30.1	29.8	30.6	31.2	32.5	33.3	33.0	33.8	34.4
	6H	29.6	30.3	30.2	30.9	31.5	32.9	33.6	33.5	34.2	34.8
	8H	29.7	30.3	30.3	30.9	31.5	33.0	33.6	33.6	34.2	34.8
	12H	29.8	30.3	30.3	30.9	31.5	33.1	33.6	33.7	34.2	34.9
12H	4H	29.3	30.1	29.9	30.6	31.2	32.5	33.2	33.0	33.7	34.3
	6H	29.8	30.4	30.4	31.0	31.6	33.0	33.6	33.6	34.1	34.8
	8H	30.0	30.5	30.5	31.1	31.7	33.1	33.6	33.7	34.2	34.9

Maximum UGR = 34.9

POLAR GRAPH



Maximum Candela = 23429 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.)