



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LP-24-L62-840-DIM-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM BALLABS TEST NO. 20528
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 29-JUN-2018
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2-96 LED ARRAYS 2x4' ULTRA THIN SEAMLESS FLAT PANEL LIGHT
 [MORE] .39" ALUMINUM FRAME w/PS 1mm DIFFUSE LENS PMMA 2mm LIGHT
 [MORE] GUIDE PANEL, LED DRIVER #MG-PA50D01
 [LUMCAT] LP-24-L62-840-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6250
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	47.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.80 ft
Luminous Width (90-270)	1.80 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3261	3308	3357
55	3066	3106	3149
65	2908	2929	2958
75	2432	2419	2419
85	2012	1951	1911

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2206.211	2206.211	2206.211	2206.211	2206.211
5	2199.509	2196.158	2196.158	2196.158	2196.158
10	2173.816	2172.699	2173.816	2177.167	2177.167
15	2095.621	2095.621	2100.090	2104.558	2105.675
20	2034.183	2034.183	2040.885	2046.470	2048.705
25	1949.285	1951.520	1960.456	1969.393	1971.627
30	1826.408	1829.759	1838.696	1852.100	1857.686
35	1686.774	1690.125	1704.647	1720.286	1725.872
40	1573.950	1580.653	1595.175	1611.931	1616.399
45	1468.946	1473.414	1490.170	1504.692	1512.511
50	1296.917	1301.385	1318.141	1329.312	1337.132
55	1120.420	1121.537	1134.942	1144.996	1150.581
60	926.050	928.284	937.221	946.157	949.509
65	783.065	783.065	788.651	794.236	796.470
70	592.047	593.164	595.398	597.632	598.749
75	401.028	398.794	398.794	397.677	398.794
80	241.287	241.287	236.819	214.477	214.477
85	111.707	110.590	108.356	108.356	106.122
90	8.937	8.937	6.702	6.702	6.702

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	803.88	N.A.	12.90
0-30	1704.56	N.A.	27.30
0-40	2777.5	N.A.	44.40
0-60	4927.55	N.A.	78.80
0-80	6125.88	N.A.	98.00
0-90	6249.96	N.A.	100.00
10-90	6040.95	N.A.	96.70
20-40	1973.62	N.A.	31.60
20-50	3111.96	N.A.	49.80
40-70	2920.24	N.A.	46.70
60-80	1198.33	N.A.	19.20
70-80	428.14	N.A.	6.90
80-90	124.09	N.A.	2.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6249.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	209.01
10-20	594.87
20-30	900.69
30-40	1072.93
40-50	1138.34
50-60	1011.71
60-70	770.19
70-80	428.14
80-90	124.09
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

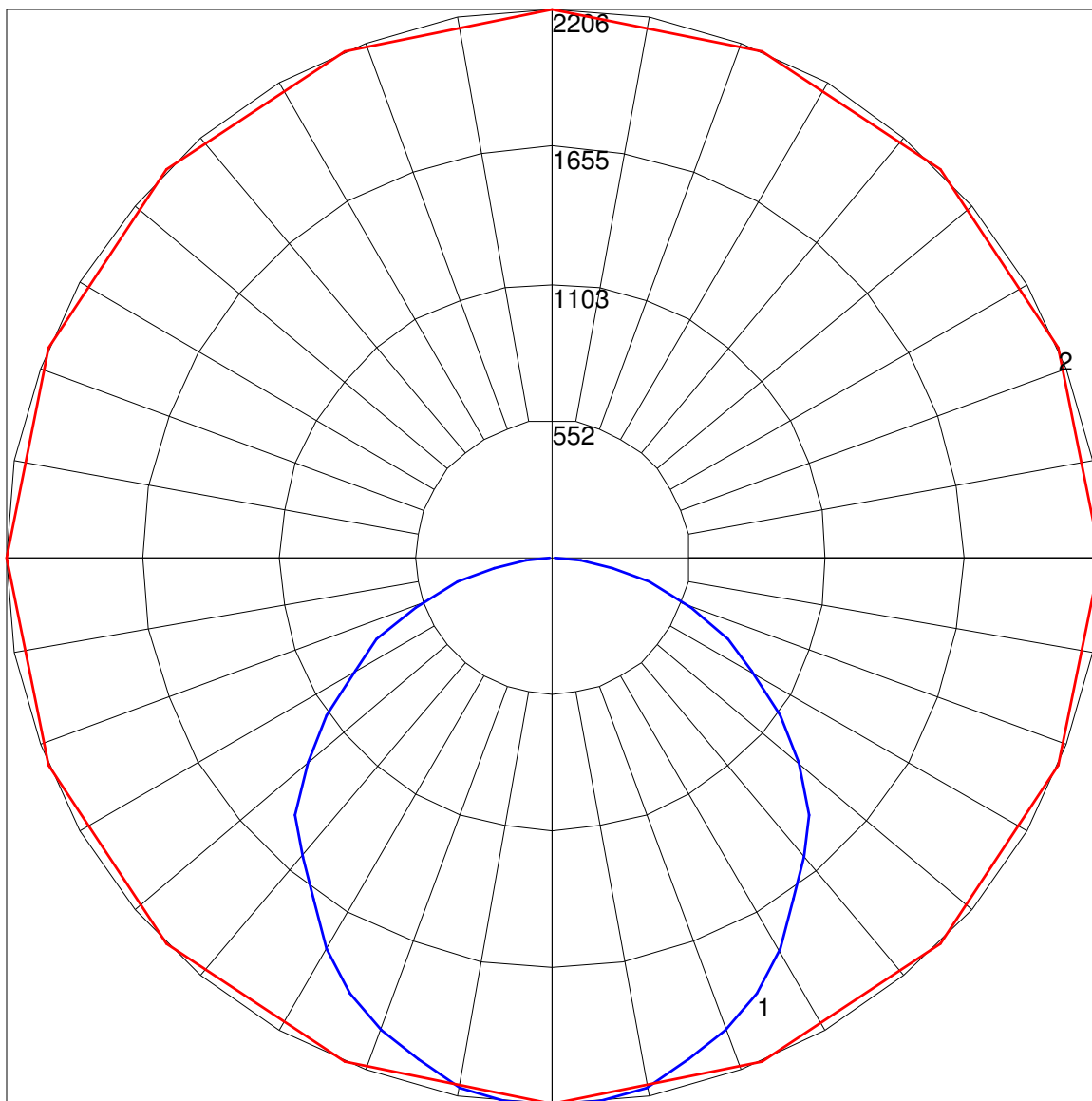
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	152	152	152	152	148	148	148	148	142	142	142	136	136	136	130	130	130	127
1	138	132	127	122	135	129	124	120	124	120	116	119	116	113	114	112	109	106
2	126	115	106	99	122	113	105	98	108	101	96	104	98	93	100	96	91	89
3	115	101	91	82	111	99	89	82	95	87	80	92	85	79	88	82	77	74
4	105	90	78	70	102	88	77	69	85	75	68	82	74	67	79	72	66	64
5	96	80	68	60	94	78	68	60	76	66	59	73	65	58	71	64	58	55
6	89	72	60	52	87	71	60	52	68	59	52	66	58	51	64	57	51	48
7	83	65	54	46	80	64	53	46	62	53	46	60	52	45	59	51	45	42
8	77	59	49	41	75	59	48	41	57	47	41	55	47	40	54	46	40	38
9	72	55	44	37	70	54	44	37	52	43	37	51	42	36	50	42	36	34
10	67	50	40	33	66	50	40	33	48	39	33	47	39	33	46	38	33	31

POLAR GRAPH



Maximum Candela = 2206.211 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)