



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LT-14-L63-8TW-AF-DALI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM BALLABS TEST NO. 18660.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 09-FEB-2015
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2-22" LED ARRAYS 1x4'RECESSED LUMINAIRE
 [MORE] WHITE REFLECTOR w/CENTER FROSTED ACRYLIC LENS
 [MORE] ELECTRONIC LED DRIVER
 [LUMCAT] LT-14-L63-8TW-AF-DALI
 [LAMPCAT] HLM 80CRI 3500K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6308
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	54.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.90 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5713	6379	6958
55	5014	5928	6728
65	4420	5748	6398
75	3736	5128	4749
85	2961	3431	2585

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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	2397.254	2397.254	2397.254	2397.254	2397.254
5	2407.950	2403.939	2403.939	2403.939	2403.939
10	2350.458	2351.795	2355.806	2361.154	2365.165
15	2266.227	2271.575	2283.608	2298.315	2305.000
20	2168.625	2175.310	2202.051	2224.780	2234.139
25	2012.196	2026.903	2064.339	2101.775	2113.808
30	1779.556	1799.611	1850.418	1902.561	1923.953
35	1657.889	1687.303	1754.153	1821.004	1850.418
40	1464.023	1497.448	1585.690	1665.911	1696.662
45	1318.289	1362.410	1472.045	1569.646	1605.745
50	1127.097	1176.566	1287.538	1395.835	1438.620
55	938.579	990.722	1109.716	1222.024	1259.461
60	762.094	816.911	938.579	1034.843	1064.258
65	609.675	665.830	792.845	870.392	882.425
70	458.593	516.085	623.045	656.470	648.448
75	315.534	369.014	433.190	419.820	401.102
80	195.203	239.324	263.390	229.965	215.258
85	84.231	108.298	97.602	82.894	73.535
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	872.73	N.A.	13.80
0-30	1815.49	N.A.	28.80
0-40	2903.06	N.A.	46.00
0-60	5013.13	N.A.	79.50
0-80	6193.69	N.A.	98.20
0-90	6307.55	N.A.	100.00
10-90	6079.83	N.A.	96.40
20-40	2030.33	N.A.	32.20
20-50	3150.99	N.A.	50.00
40-70	2865.41	N.A.	45.40
60-80	1180.57	N.A.	18.70
70-80	425.23	N.A.	6.70
80-90	113.86	N.A.	1.80
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	6307.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	227.72
10-20	645.01
20-30	942.77
30-40	1087.57
40-50	1120.65
50-60	989.42
60-70	755.34
70-80	425.23
80-90	113.86
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

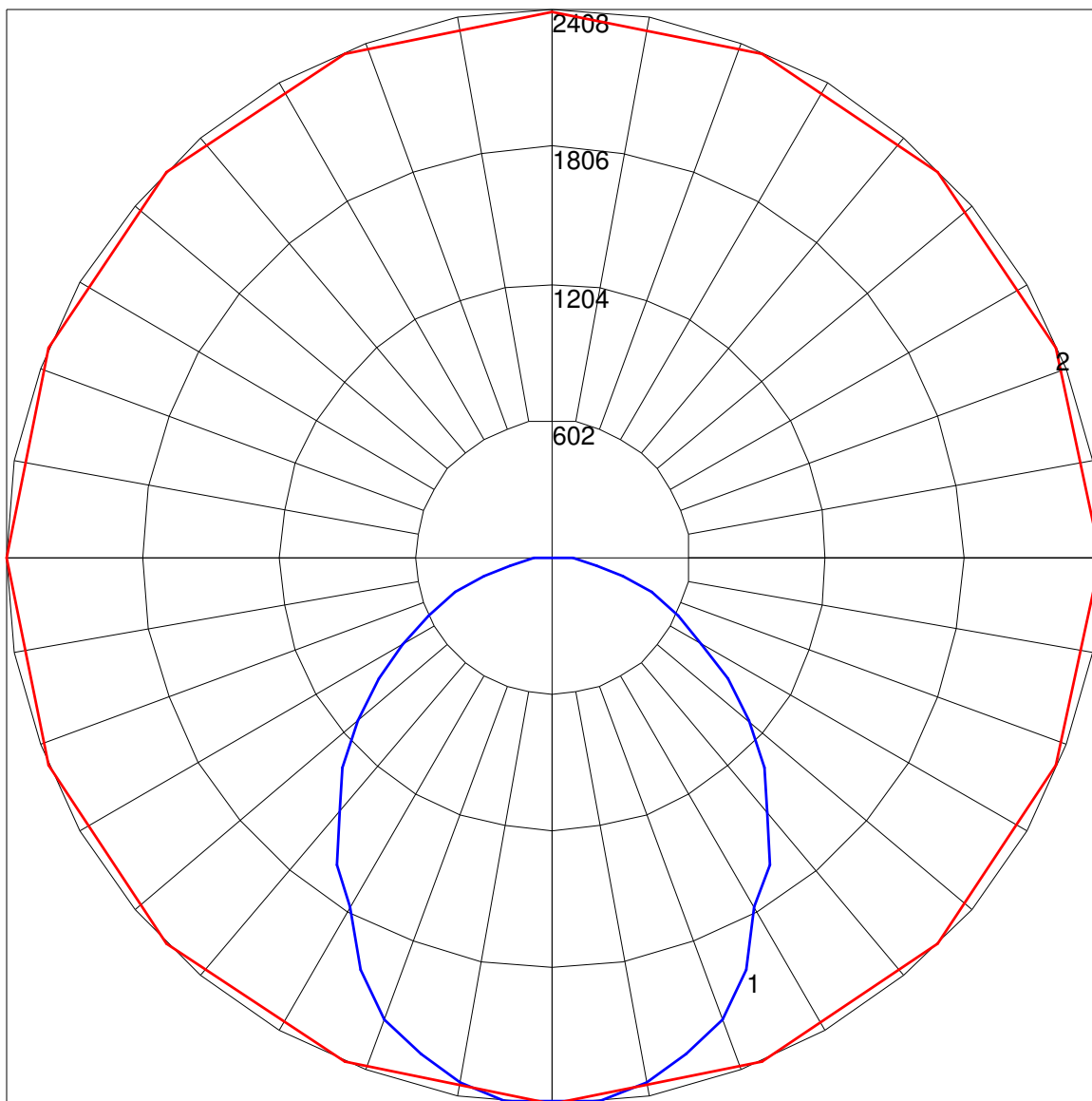
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	267	267	267	267	261	261	261	261	249	249	249	239	239	239	229	229	229	224
1	244	233	224	215	238	228	220	212	219	212	205	210	204	199	202	197	193	188
2	222	204	189	176	216	200	186	174	192	180	170	184	174	166	177	169	162	157
3	203	179	161	147	197	176	159	145	169	155	143	163	150	140	157	147	138	133
4	186	159	139	124	181	156	138	124	150	134	122	145	131	120	140	128	119	114
5	171	142	122	107	166	140	121	107	135	118	106	131	116	104	126	114	103	99
6	158	128	108	94	154	126	107	94	122	105	93	118	103	92	115	101	91	86
7	147	116	97	83	143	115	96	83	111	94	82	108	93	82	105	91	81	77
8	137	106	87	74	133	105	87	74	102	85	74	99	84	73	96	83	73	69
9	128	98	79	67	125	96	79	67	94	78	67	91	77	66	89	76	66	62
10	120	90	73	61	117	89	72	61	87	71	61	85	70	60	83	70	60	56

POLAR GRAPH



Maximum Candela = 2407.95 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)