



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LT-24-L80-8TW-AF-DALI.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN FROM BALLABS TEST NO. 18670.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 04-FEB-2015  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO  
 [LUMINAIRE] 2-72 LED 22"ARRAYS 2x4'RECESSED LUMINAIRE  
 [MORE] WHITE REFLECTOR w/CENTER FROSTED ACRYLIC LENS  
 [MORE] EVERLINE LED DRIVER #D21CC80UNVTZ-D (80 ZH3)  
 [LUMCAT] LT-24-L80-8TW-AF-DALI  
 [LAMPCAT] HLM 80 CRI 4000K CCT  
 [ \_SEARCH\_SOURCETYPE]LED  
 [ \_SEARCH\_APPLICATION]INDOOR,ARCHITECTURAL,DIRECT  
 [ \_SEARCH\_MOUNTING]RECESSED

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8003
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	63.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.90 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3323	3750	4136
55	2874	3493	4039
65	2514	3488	4280
75	2053	3642	4617
85	1770	4308	4130

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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>
<b>0</b>	2840.053	2840.053	2840.053	2840.053	2840.053
<b>5</b>	2820.659	2820.659	2822.814	2823.892	2823.892
<b>10</b>	2779.718	2781.873	2790.492	2798.034	2804.498
<b>15</b>	2661.203	2666.590	2685.983	2705.376	2711.841
<b>20</b>	2572.855	2587.939	2625.648	2664.435	2678.441
<b>25</b>	2357.373	2377.844	2429.560	2475.888	2498.514
<b>30</b>	2174.213	2204.381	2275.490	2342.289	2370.302
<b>35</b>	1991.054	2028.763	2121.420	2210.845	2245.322
<b>40</b>	1786.346	1834.829	1951.189	2062.163	2105.259
<b>45</b>	1624.734	1686.147	1833.752	1970.583	2022.299
<b>50</b>	1368.311	1435.110	1594.567	1736.785	1794.965
<b>55</b>	1139.900	1212.086	1385.549	1543.929	1602.109
<b>60</b>	909.334	984.753	1162.525	1325.214	1382.317
<b>65</b>	734.794	820.986	1019.230	1192.693	1250.873
<b>70</b>	547.324	639.982	850.076	1011.688	1067.713
<b>75</b>	367.397	462.209	651.833	788.664	826.373
<b>80</b>	225.179	326.455	485.912	588.266	606.582
<b>85</b>	106.664	183.160	259.656	261.811	248.882
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1031.15	N.A.	12.90
0-30	2156.16	N.A.	26.90
0-40	3481.89	N.A.	43.50
0-60	6101.54	N.A.	76.20
0-80	7759.51	N.A.	97.00
0-90	8003.25	N.A.	100.00
10-90	7734.76	N.A.	96.60
20-40	2450.74	N.A.	30.60
20-50	3840.23	N.A.	48.00
40-70	3609.32	N.A.	45.10
60-80	1657.97	N.A.	20.70
70-80	668.30	N.A.	8.40
80-90	243.74	N.A.	3.00
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	8003.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	268.49
10-20	762.66
20-30	1125.01
30-40	1325.73
40-50	1389.5
50-60	1230.16
60-70	989.66
70-80	668.30
80-90	243.74
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

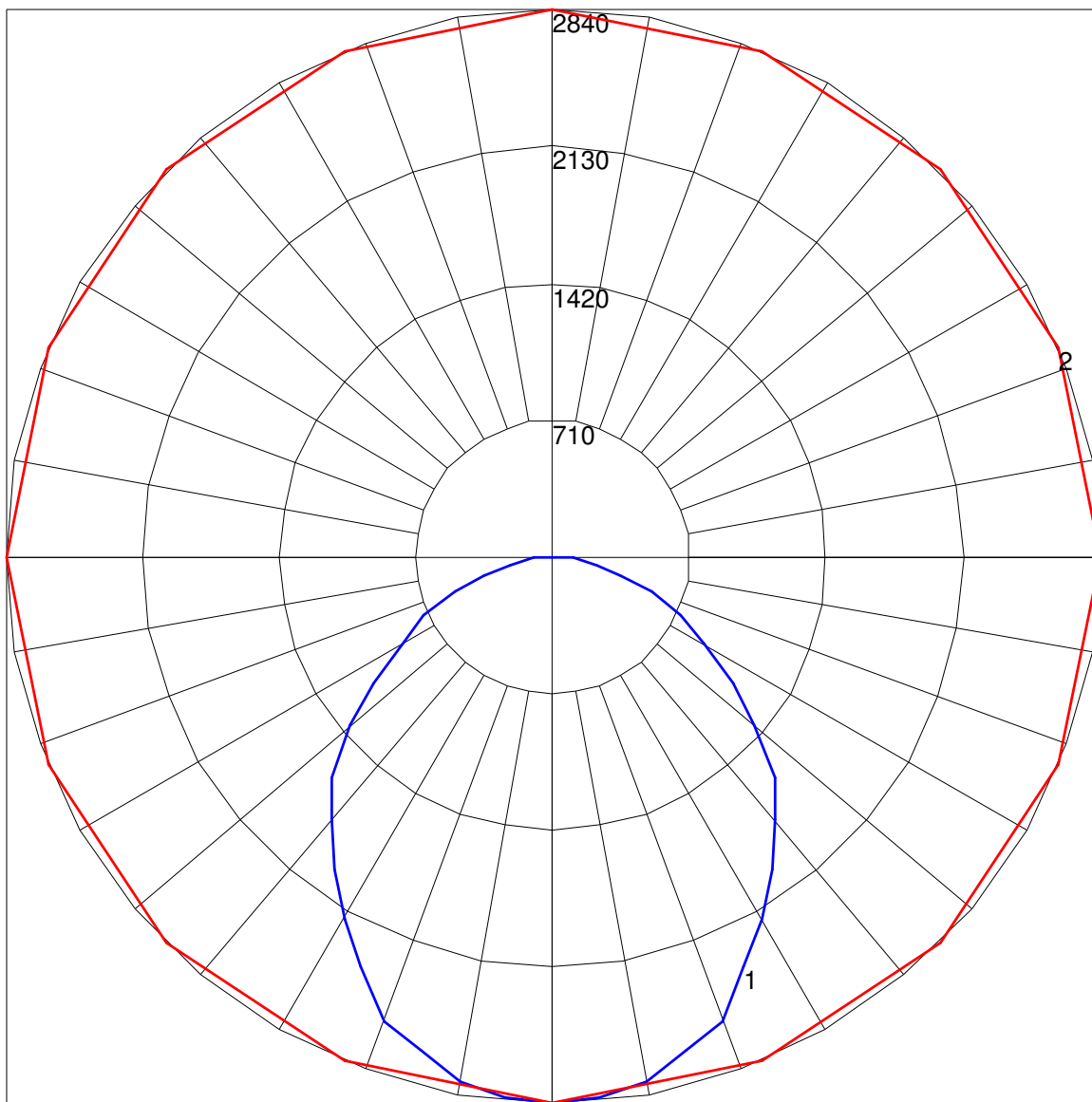
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	233	233	233	233	227	227	227	227	217	217	217	208	208	208	200	200	200	196
1	211	201	192	184	206	197	189	181	189	182	176	181	175	170	174	169	165	161
2	192	175	161	149	186	171	158	147	164	153	144	158	148	141	152	144	137	133
3	174	153	137	123	170	150	135	122	144	131	120	139	127	118	134	124	116	112
4	160	136	118	104	155	133	116	104	128	114	102	123	111	101	119	108	99	95
5	147	121	103	90	143	119	102	89	115	100	88	111	98	87	107	96	86	82
6	136	109	91	78	132	107	90	78	104	89	77	100	87	77	97	85	76	72
7	126	99	81	69	122	97	81	69	94	79	69	91	78	68	89	77	67	64
8	117	90	73	62	114	89	73	62	86	72	61	84	71	61	82	69	60	57
9	109	83	67	56	107	82	66	56	79	65	55	77	64	55	75	63	55	51
10	103	77	61	51	100	76	61	50	74	60	50	72	59	50	70	58	50	46

POLAR GRAPH



Maximum Candela = 2840.053 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.)