



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CXC-3-08-L4-8TW-25-D-DALI 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 19929.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 03-16-2020

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836

[LUMINAIRE] CONTINUOUS COVE LUMINAIRE @ 25DEG

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] CXC-3-08-L4-8TW-25-D-DALI 4000k

[LAMPCAT] HLM 80 CRI, TUNABLE WHITE CCT

[_SEARCH_] SOURCETYPE] LED

[_SEARCH_] APPLICATION] INDOOR, CLASSROOM, EDUCATIONAL, ATRIUM

[_SEARCH_] MOUNTING] COVE

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1496
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	13.6
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.22 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	48.927	51.276	48.536	66.150	28.182	8.220	7.437	4.306	2.349
100	106.074	112.337	116.643	115.468	66.541	27.008	15.265	14.874	12.525
105	166.744	183.184	192.969	157.741	110.380	71.238	27.008	22.311	21.919
110	234.068	254.813	249.333	198.058	151.087	120.557	60.278	34.445	25.442
115	303.349	319.006	297.086	239.939	185.924	146.390	104.900	71.238	41.099
120	363.627	367.542	338.185	280.255	223.500	180.835	143.650	113.511	79.849
125	407.466	403.552	376.936	316.266	257.945	218.411	198.840	155.393	123.688
130	442.302	437.997	407.466	349.536	296.304	259.510	235.242	201.189	168.310
135	469.702	467.353	431.734	380.850	335.054	301.001	264.207	258.727	211.366
140	491.621	490.447	458.742	410.206	375.761	335.445	299.826	275.950	272.818
145	505.712	506.886	477.530	435.648	406.292	367.150	336.228	305.306	288.867
150	516.280	519.020	494.752	457.568	434.083	397.289	369.890	339.359	324.877
155	520.977	526.849	508.452	475.182	458.351	428.211	398.855	372.239	359.322
160	520.195	529.980	517.846	493.187	477.530	457.568	430.168	403.943	391.027
165	515.889	528.414	519.020	503.364	493.187	480.661	459.133	433.691	419.209
170	506.495	520.586	516.672	506.495	503.755	499.449	483.401	459.916	444.260
175	486.924	506.104	510.409	503.755	510.018	511.583	503.364	478.704	469.310
180	497.492	497.492	497.492	497.492	497.492	497.492	497.492	497.492	497.492

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	147.86	N.A.	9.90
90-120	337.93	N.A.	22.60
90-130	582.64	N.A.	38.90
90-150	1103.49	N.A.	73.80
90-180	1496.13	N.A.	100.00
110-180	1348.26	N.A.	90.10
0-180	1496.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	34.26
100-110	113.60
110-120	190.06
120-130	244.72
130-140	267.59
140-150	253.25
150-160	208.05
160-170	137.03
170-180	47.56

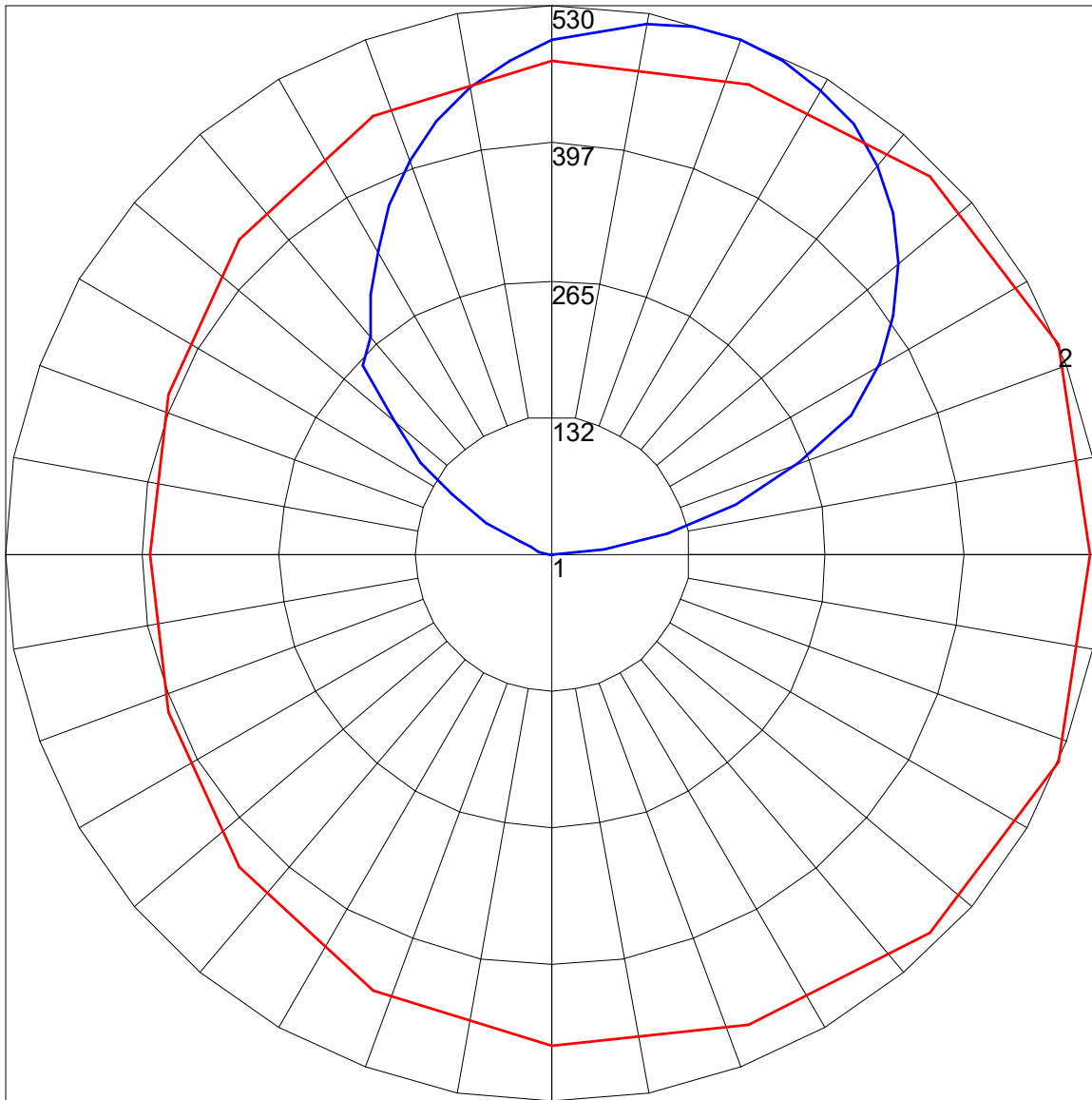
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	39	39	39	39	33	33	33	33	23	23	23	13	13	13	4	4	4	0
1	35	34	32	31	30	29	28	26	20	19	18	11	11	11	4	4	3	0
2	32	29	27	25	27	25	23	22	17	16	15	10	9	9	3	3	3	0
3	29	26	23	21	25	22	20	18	15	14	13	9	8	7	3	3	2	0
4	27	23	20	17	23	19	17	15	13	12	11	8	7	6	2	2	2	0
5	24	20	17	15	21	17	15	13	12	10	9	7	6	5	2	2	2	0
6	22	18	15	13	19	15	13	11	11	9	8	6	5	5	2	2	2	0
7	20	16	13	11	17	14	11	10	9	8	7	5	5	4	2	2	1	0
8	19	14	11	9	16	12	10	8	9	7	6	5	4	3	2	1	1	0
9	17	13	10	8	15	11	9	7	8	6	5	5	4	3	1	1	1	0
10	16	12	9	7	14	10	8	6	7	6	5	4	3	3	1	1	1	0

POLAR GRAPH



Maximum Candela = 529.98 Located At Horizontal Angle = 22.5, Vertical Angle = 160
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (160) (Through Max. Cd.)