



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CXC-3-08-L8-8TW-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-L8-8TW-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	2951
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	27.1
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	96.514	101.146	95.741	130.486	55.592	16.214	14.670	8.493	4.633
100	209.241	221.595	230.088	227.772	131.258	53.276	30.112	29.340	24.707
105	328.918	361.347	380.650	311.160	217.735	140.524	53.276	44.010	43.238
110	461.721	502.643	491.833	390.687	298.034	237.810	118.905	67.946	50.187
115	598.384	629.269	586.031	473.303	366.752	288.769	206.925	140.524	81.071
120	717.289	725.010	667.102	552.830	440.874	356.714	283.364	223.912	157.510
125	803.765	796.044	743.541	623.864	508.820	430.837	392.231	306.527	243.986
130	872.483	863.990	803.765	689.493	584.486	511.908	464.037	396.864	332.007
135	926.531	921.898	851.636	751.262	660.925	593.752	521.173	510.364	416.939
140	969.769	967.452	904.912	809.170	741.224	661.697	591.435	544.337	538.160
145	997.565	999.881	941.973	859.357	801.449	724.238	663.241	602.245	569.816
150	1018.411	1023.816	975.946	902.595	856.269	783.690	729.643	669.418	640.850
155	1027.677	1039.258	1002.969	937.340	904.139	844.687	786.779	734.275	708.796
160	1026.133	1045.435	1021.500	972.857	941.973	902.595	848.548	796.816	771.337
165	1017.639	1042.347	1023.816	992.932	972.857	948.150	905.684	855.497	826.929
170	999.109	1026.905	1019.184	999.109	993.704	985.211	953.554	907.228	876.343
175	960.503	998.337	1006.830	993.704	1006.058	1009.146	992.932	944.289	925.758
180	981.350	981.350	981.350	981.350	981.350	981.350	981.350	981.350	981.350

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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	291.68	N.A.	9.90
90-120	666.60	N.A.	22.60
90-130	1149.32	N.A.	38.90
90-150	2176.73	N.A.	73.80
90-180	2951.25	N.A.	100.00
110-180	2659.57	N.A.	90.10
0-180	2951.25	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	67.59
100-110	224.09
110-120	374.92
120-130	482.73
130-140	527.84
140-150	499.57
150-160	410.41
160-170	270.30
170-180	93.81

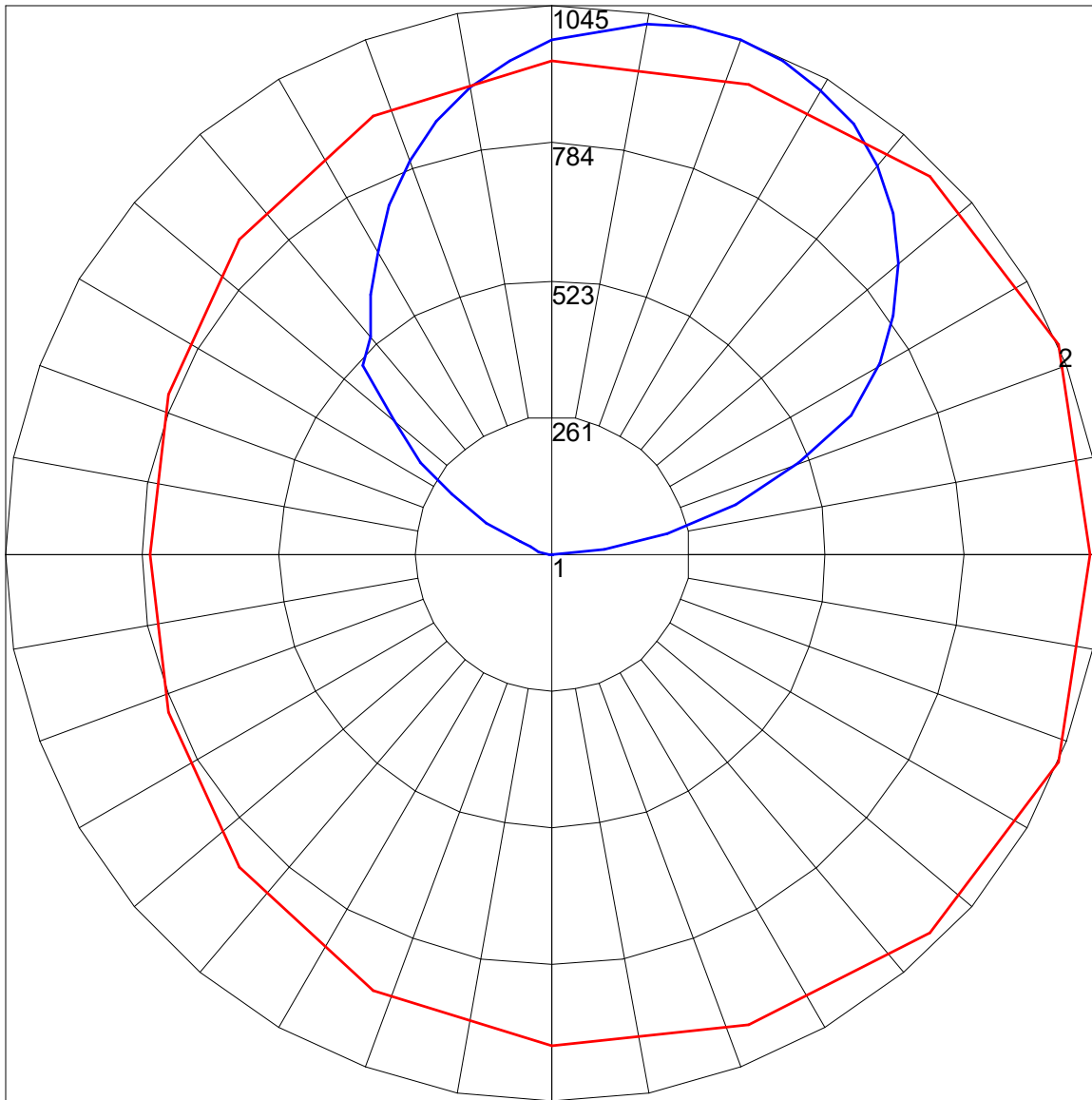
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	188	188	188	188	161	161	161	161	110	110	110	63	63	63	20	20	20	0
1	171	163	156	150	146	139	134	129	95	92	89	55	53	52	18	17	17	0
2	155	142	131	122	132	122	113	105	83	78	73	48	45	43	15	15	14	0
3	141	125	111	101	120	107	96	88	73	67	61	42	39	36	14	13	12	0
4	129	110	96	85	110	94	83	74	65	58	52	37	34	31	12	11	10	0
5	118	97	83	72	100	83	71	62	57	50	44	33	29	26	11	10	9	0
6	108	86	72	61	92	74	62	54	51	44	38	30	26	23	10	8	7	0
7	100	77	63	53	85	67	55	46	46	38	33	27	23	19	9	7	6	0
8	92	70	56	46	78	60	48	40	41	34	29	24	20	17	8	7	6	0
9	85	63	49	40	72	54	43	35	38	30	25	22	18	15	7	6	5	0
10	79	57	44	36	67	49	38	31	34	27	22	20	16	13	6	5	4	0

POLAR GRAPH



Maximum Candela = 1045.435 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.)