



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CXC-3-08-L6-8TW-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-L6-8TW-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	2225
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	20.2
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	72.769	76.262	72.187	98.384	41.915	12.225	11.061	6.404	3.493
100	157.764	167.079	173.482	171.736	98.967	40.169	22.704	22.122	18.629
105	247.998	272.449	287.003	234.609	164.168	105.952	40.169	33.183	32.601
110	348.129	378.983	370.833	294.571	224.712	179.304	89.652	51.230	37.840
115	451.171	474.457	441.856	356.862	276.524	217.726	156.018	105.952	61.126
120	540.823	546.644	502.983	416.824	332.411	268.956	213.651	168.825	118.760
125	606.024	600.203	560.616	470.382	383.641	324.843	295.735	231.116	183.961
130	657.836	651.432	606.024	519.865	440.692	385.969	349.876	299.228	250.327
135	698.587	695.094	642.118	566.438	498.325	447.678	392.955	384.805	314.364
140	731.188	729.441	682.287	610.099	558.870	498.908	445.931	410.420	405.763
145	752.145	753.892	710.230	647.939	604.278	546.062	500.072	454.082	429.631
150	767.864	771.939	735.845	680.540	645.611	590.888	550.137	504.729	483.189
155	774.849	783.582	756.220	706.737	681.705	636.879	593.217	553.630	534.419
160	773.685	788.239	770.192	733.516	710.230	680.540	639.789	600.785	581.574
165	767.281	785.910	771.939	748.652	733.516	714.887	682.869	645.029	623.489
170	753.310	774.267	768.446	753.310	749.235	742.831	718.963	684.033	660.747
175	724.202	752.728	759.131	749.235	758.549	760.878	748.652	711.977	698.005
180	739.920	739.920	739.920	739.920	739.920	739.920	739.920	739.920	739.920

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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	219.92	N.A.	9.90
90-120	502.60	N.A.	22.60
90-130	866.57	N.A.	38.90
90-150	1641.21	N.A.	73.80
90-180	2225.19	N.A.	100.00
110-180	2005.27	N.A.	90.10
0-180	2225.19	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	50.96
100-110	168.96
110-120	282.68
120-130	363.97
130-140	397.98
140-150	376.67
150-160	309.44
160-170	203.80
170-180	70.73

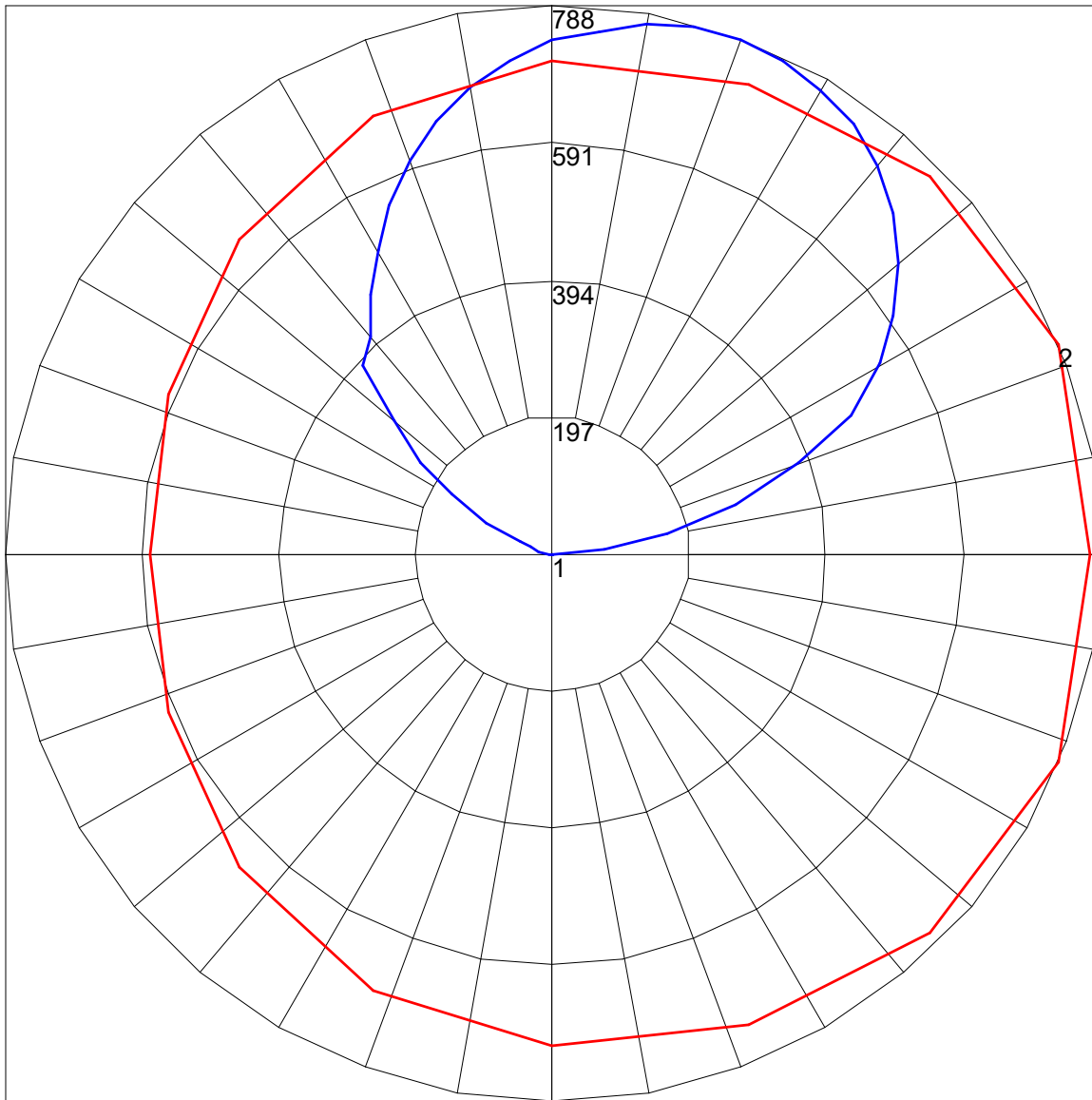
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	142	142	142	142	121	121	121	121	83	83	83	47	47	47	15	15	15	0
1	129	123	118	113	110	105	101	97	72	69	67	41	40	39	13	13	13	0
2	117	107	99	92	100	92	85	79	63	59	55	36	34	32	12	11	11	0
3	107	94	84	76	91	81	72	66	55	50	46	32	29	27	10	10	9	0
4	97	83	72	64	83	71	62	55	49	43	39	28	25	23	9	8	8	0
5	89	73	62	54	76	63	54	47	43	38	33	25	22	20	8	7	7	0
6	82	65	54	46	69	56	47	40	39	33	29	22	19	17	7	6	6	0
7	75	58	48	40	64	50	41	35	35	29	25	20	17	15	7	6	5	0
8	69	53	42	35	59	45	36	30	31	26	22	18	15	13	6	5	4	0
9	64	47	37	30	55	41	32	27	28	23	19	17	13	11	5	4	4	0
10	60	43	33	27	51	37	29	23	26	20	17	15	12	10	5	4	3	0

POLAR GRAPH



Maximum Candela = 788.239 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.)