



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L8-850-0-D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 19927.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 2023-07-14

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] CONTINUOUS COVE LUMINAIRE @ 0 DEGREE

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] CX-3-08-L8-850-0-D-DIM-UNV

[LAMPCAT] 22 INCH LED ARRAYS

[_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	3247
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	24.64
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
Luminous Length (0-180)	0.22 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.00 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	1.675	2.513	9.215	53.614	62.829	64.504	58.640	58.640	60.315
100	42.723	63.666	90.473	136.547	155.815	144.925	134.872	136.547	141.574
105	171.731	193.512	198.538	226.183	243.775	246.288	231.209	228.696	231.209
110	289.849	288.174	295.713	316.656	320.845	350.165	333.410	325.033	317.494
115	366.081	375.296	387.024	394.564	402.941	445.664	421.370	414.669	410.480
120	453.204	461.581	476.660	484.199	495.089	533.624	512.681	511.006	499.278
125	539.488	552.054	559.593	577.185	589.751	608.181	605.668	602.317	586.400
130	624.097	650.067	647.553	666.821	676.873	694.465	695.303	693.628	671.847
135	699.492	733.838	726.299	750.592	763.158	783.263	773.211	781.588	758.132
140	775.724	805.881	807.557	825.149	839.390	864.521	853.631	849.443	839.390
145	844.416	867.035	877.087	890.491	907.245	933.214	923.162	909.758	913.947
150	907.245	936.565	941.591	953.319	971.749	1006.933	990.179	969.236	985.152
155	975.938	1001.907	1004.420	1010.284	1032.902	1065.573	1048.819	1025.363	1039.604
160	1029.551	1057.196	1052.170	1055.520	1079.814	1107.459	1094.055	1067.248	1076.463
165	1066.411	1102.432	1098.244	1094.055	1115.836	1138.454	1125.051	1098.244	1103.270
170	1090.704	1124.213	1124.213	1121.700	1141.805	1159.397	1145.994	1111.647	1115.836
175	1094.055	1135.103	1140.967	1139.292	1159.397	1173.638	1157.722	1113.323	1114.998
180	1137.616	1137.616	1137.616	1137.616	1137.616	1137.616	1137.616	1137.616	1137.616

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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	287.42	N.A.	8.90
90-120	688.05	N.A.	21.20
90-130	1209.4	N.A.	37.30
90-150	2354.45	N.A.	72.50
90-180	3246.51	N.A.	100.00
110-180	2959.09	N.A.	91.10
0-180	3246.51	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	55.69
100-110	231.73
110-120	400.63
120-130	521.35
130-140	582.08
140-150	562.96
150-160	471.50
160-170	312.14
170-180	108.42

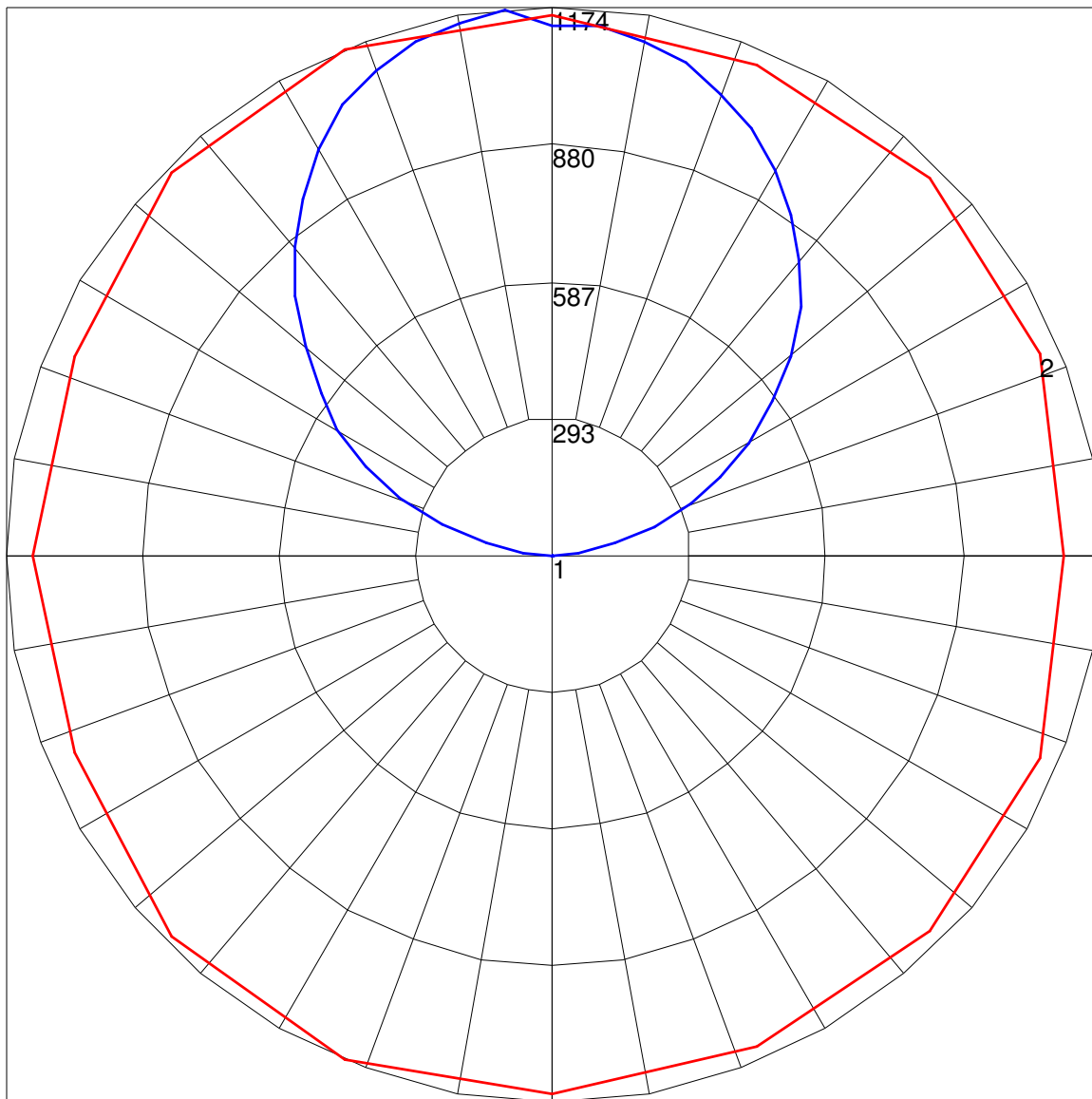
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1173.638 Located At Horizontal Angle = 112.5, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)