



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CX-3-08-L8-830-25-D-DIM-UNV_.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] 2023-07-17
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836
 [LUMINAIRE] CONTINUOUS COVE LUMINAIRE @ 25DEG
 [MORE] WITH FROSTED ACRYLIC LENS
 [LUMCAT] CX-3-08-L8-830-25-D-DIM-UNV
 [LAMPCAT] 22 INCH HLM LED ARRAYS
 [_SEARCH_SOURCETYPE] LED
 [_SOURCE_APPLICATION] INDOOR, CLASSROOM, EDUCATIONAL, ATRIUM
 [_SEARCH_MOUNTING] COVE

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2971
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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 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	97.161	101.825	96.384	131.362	55.965	16.323	14.768	8.550	4.664
100	210.645	223.081	231.632	229.300	132.139	53.633	30.314	29.537	24.873
105	331.124	363.770	383.203	313.247	219.195	141.466	53.633	44.305	43.528
110	464.818	506.014	495.132	393.307	300.033	239.404	119.702	68.401	50.524
115	602.398	633.489	589.961	476.477	369.211	290.705	208.313	141.466	81.615
120	722.100	729.873	671.576	556.538	443.831	359.107	285.264	225.413	158.567
125	809.156	801.383	748.528	628.048	512.232	433.726	394.862	308.583	245.623
130	878.335	869.784	809.156	694.118	588.406	515.341	467.150	399.526	334.234
135	932.745	928.081	857.348	756.301	665.358	597.734	524.669	513.787	419.735
140	976.273	973.941	910.981	814.597	746.196	666.135	595.402	547.988	541.769
145	1004.255	1006.587	948.291	865.121	806.824	729.095	667.690	606.284	573.638
150	1025.242	1030.683	982.491	908.649	862.012	788.947	734.537	673.908	645.148
155	1034.569	1046.229	1009.696	943.627	910.203	850.352	792.056	739.200	713.550
160	1033.015	1052.447	1028.351	979.382	948.291	908.649	854.239	802.160	776.510
165	1024.465	1049.338	1030.683	999.591	979.382	954.509	911.758	861.234	832.475
170	1005.810	1033.792	1026.019	1005.810	1000.369	991.819	959.950	913.313	882.221
175	966.945	1005.032	1013.583	1000.369	1012.805	1015.915	999.591	950.622	931.967
180	987.932	987.932	987.932	987.932	987.932	987.932	987.932	987.932	987.932

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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	293.63	N.A.	9.90
90-120	671.07	N.A.	22.60
90-130	1157.03	N.A.	38.90
90-150	2191.33	N.A.	73.80
90-180	2971.04	N.A.	100.00
110-180	2677.41	N.A.	90.10
0-180	2971.04	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	68.04
100-110	225.59
110-120	377.43
120-130	485.96
130-140	531.38
140-150	502.92
150-160	413.16
160-170	272.12
170-180	94.44

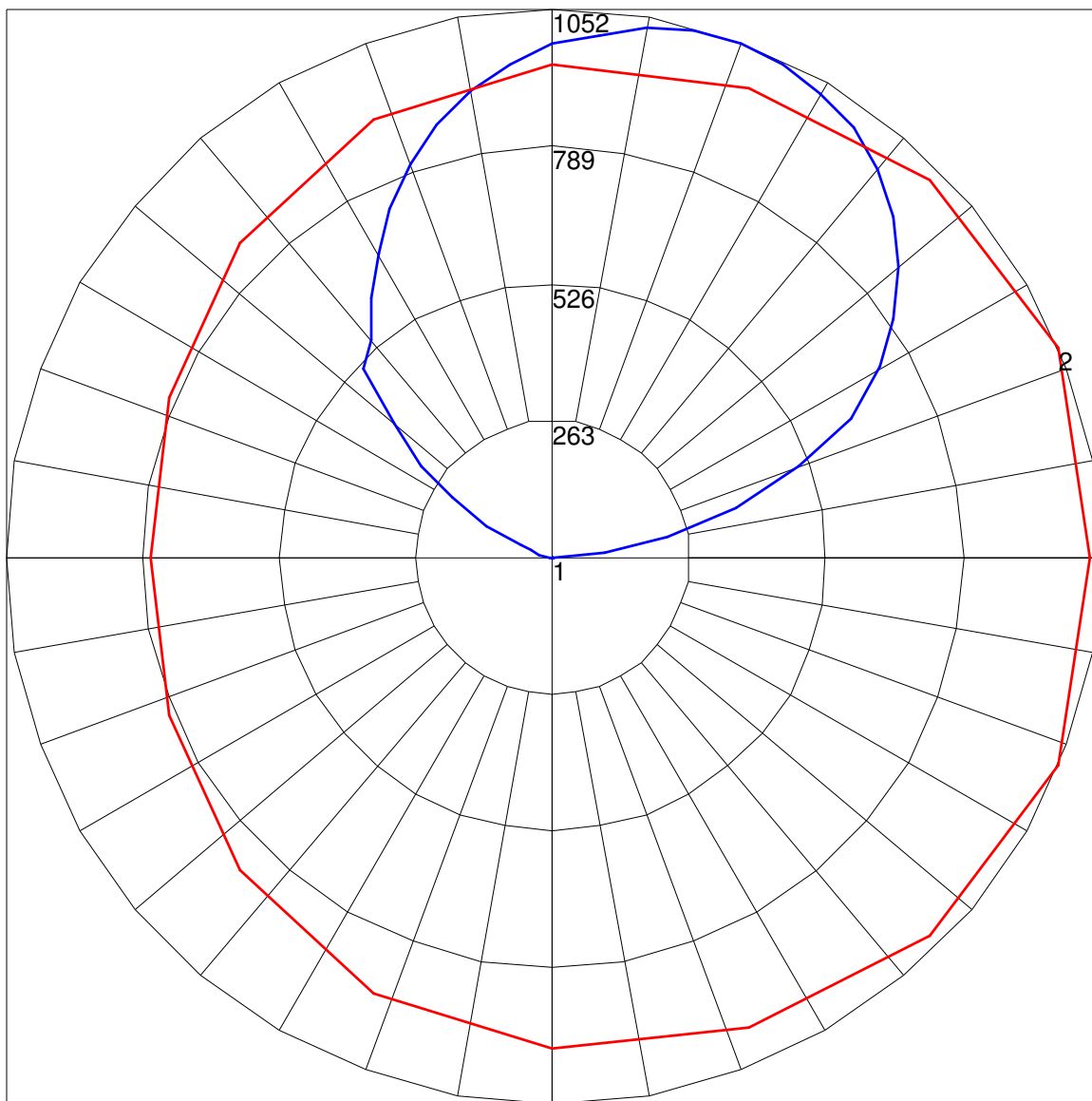
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	28	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 = 1052.447 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.)