



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L8-840-25-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-L8-840-25-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	3091
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	101.087	105.939	100.278	136.669	58.226	16.983	15.365	8.896	4.852
100	219.156	232.095	240.990	238.564	137.478	55.800	31.539	30.730	25.878
105	344.503	378.468	398.686	325.903	228.051	147.182	55.800	46.095	45.287
110	483.598	526.459	515.137	409.199	312.155	249.077	124.539	71.165	52.565
115	626.737	659.085	613.798	495.729	384.129	302.451	216.730	147.182	84.913
120	751.276	759.363	698.711	579.024	461.764	373.616	296.790	234.521	164.973
125	841.849	833.762	778.771	653.424	532.929	451.251	410.816	321.051	255.547
130	913.823	904.927	841.849	722.163	612.180	536.163	486.024	415.668	347.738
135	970.431	965.579	891.988	786.858	692.241	621.885	545.868	534.546	436.694
140	1015.718	1013.292	947.788	847.510	776.345	693.050	619.459	570.128	563.659
145	1044.831	1047.257	986.605	900.075	839.423	758.554	694.667	630.780	596.815
150	1066.666	1072.327	1022.188	945.362	896.840	820.823	764.215	701.137	671.215
155	1076.370	1088.501	1050.492	981.753	946.979	884.710	824.058	769.067	742.380
160	1074.753	1094.970	1069.901	1018.953	986.605	945.362	888.753	834.571	807.884
165	1065.857	1091.735	1072.327	1039.979	1018.953	993.075	948.597	896.032	866.110
170	1046.448	1075.561	1067.475	1046.448	1040.788	1031.892	998.736	950.214	917.866
175	1006.014	1045.640	1054.535	1040.788	1053.727	1056.962	1039.979	989.031	969.623
180	1027.849	1027.849	1027.849	1027.849	1027.849	1027.849	1027.849	1027.849	1027.849

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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	305.50	N.A.	9.90
90-120	698.18	N.A.	22.60
90-130	1203.78	N.A.	38.90
90-150	2279.87	N.A.	73.80
90-180	3091.09	N.A.	100.00
110-180	2785.59	N.A.	90.10
0-180	3091.09	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	70.79
100-110	234.71
110-120	392.68
120-130	505.60
130-140	552.85
140-150	523.24
150-160	429.85
160-170	283.11
170-180	98.25

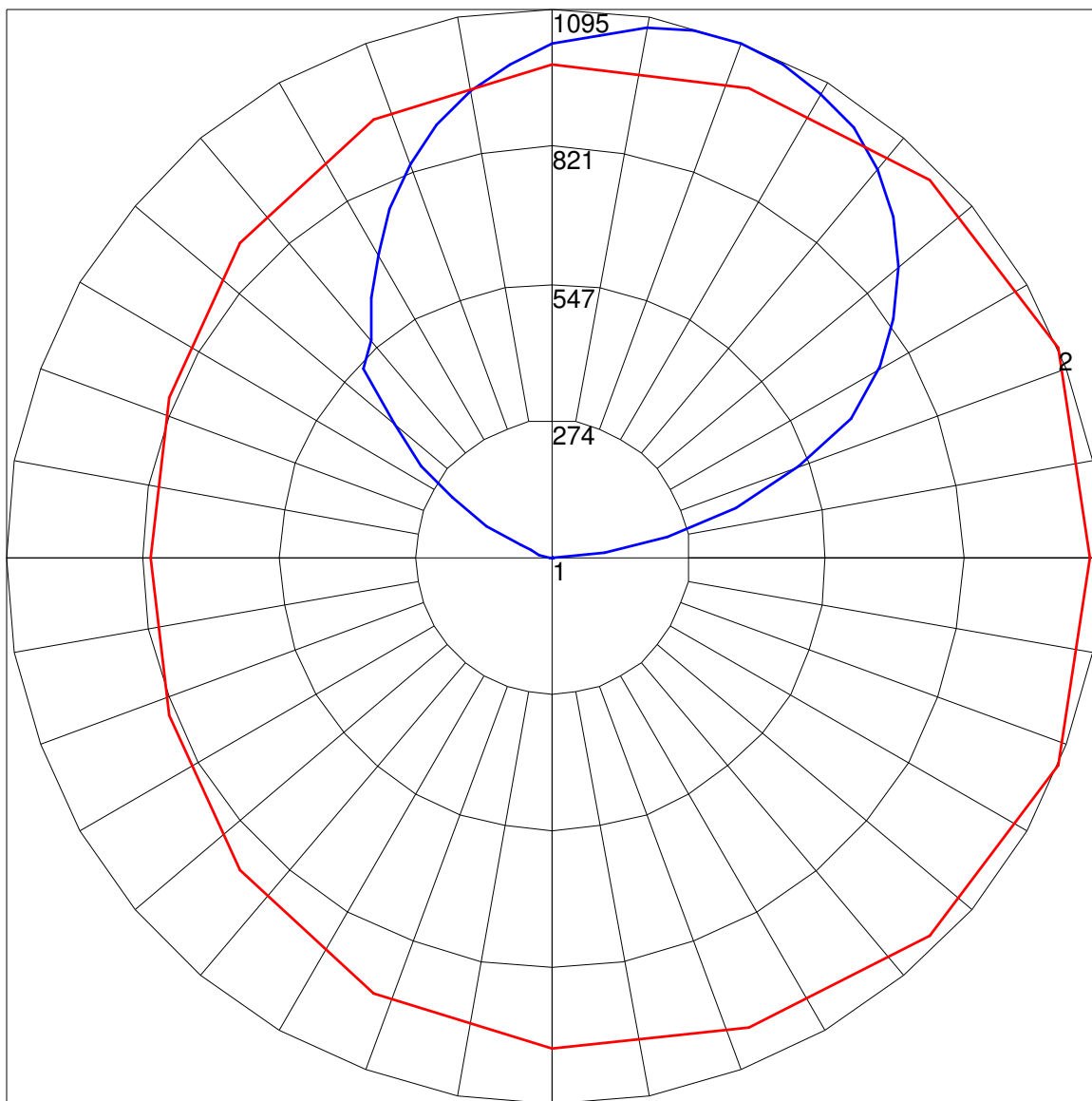
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1094.97 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.)