

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L10-RGB835-25-D-DMX-UNV WHITE ONLY_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 19929.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 8 DEC 2023

[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-L10-RGB 835-25-D-DMX-UNV white only

[_SEARCH_SOURCE TYPE] 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	3529
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	35.57
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	115.413	120.952	114.489	156.038	66.478	19.389	17.543	10.156	5.540
100	250.214	264.987	275.143	272.374	156.961	63.708	36.009	35.085	29.546
105	393.326	432.104	455.187	372.090	260.371	168.041	63.708	52.628	51.705
110	552.133	601.068	588.142	467.190	356.394	284.376	142.188	81.250	60.015
115	715.558	752.490	700.785	565.983	438.568	345.314	247.444	168.041	96.947
120	857.746	866.979	797.731	661.083	527.204	426.565	338.851	267.757	188.353
125	961.155	951.922	889.138	746.026	608.455	515.201	469.036	366.550	291.763
130	1043.329	1033.173	961.155	824.507	698.938	612.148	554.903	474.576	397.019
135	1107.960	1102.420	1018.400	898.371	790.345	710.018	623.228	610.301	498.582
140	1159.665	1156.895	1082.108	967.618	886.368	791.268	707.248	650.927	643.540
145	1192.904	1195.674	1126.426	1027.633	958.385	866.055	793.115	720.174	681.395
150	1217.833	1224.296	1167.051	1079.338	1023.940	937.150	872.519	800.501	766.339
155	1228.912	1242.762	1199.367	1120.886	1081.184	1010.090	940.843	878.058	847.589
160	1227.066	1250.148	1221.526	1163.358	1126.426	1079.338	1014.707	952.846	922.377
165	1216.909	1246.455	1224.296	1187.364	1163.358	1133.812	1083.031	1023.016	988.854
170	1194.750	1227.989	1218.756	1194.750	1188.287	1178.131	1140.276	1084.878	1047.946
175	1148.585	1193.827	1203.983	1188.287	1203.060	1206.753	1187.364	1129.196	1107.037
180	1173.514	1173.514	1173.514	1173.514	1173.514	1173.514	1173.514	1173.514	1173.514

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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	348.79	N.A.	9.90
90-120	797.13	N.A.	22.60
90-130	1374.38	N.A.	38.90
90-150	2602.97	N.A.	73.80
90-180	3529.15	N.A.	100.00
110-180	3180.36	N.A.	90.10
0-180	3529.15	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	80.82
100-110	267.97
110-120	448.34
120-130	577.25
130-140	631.20
140-150	597.39
150-160	490.77
160-170	323.23
170-180	112.18

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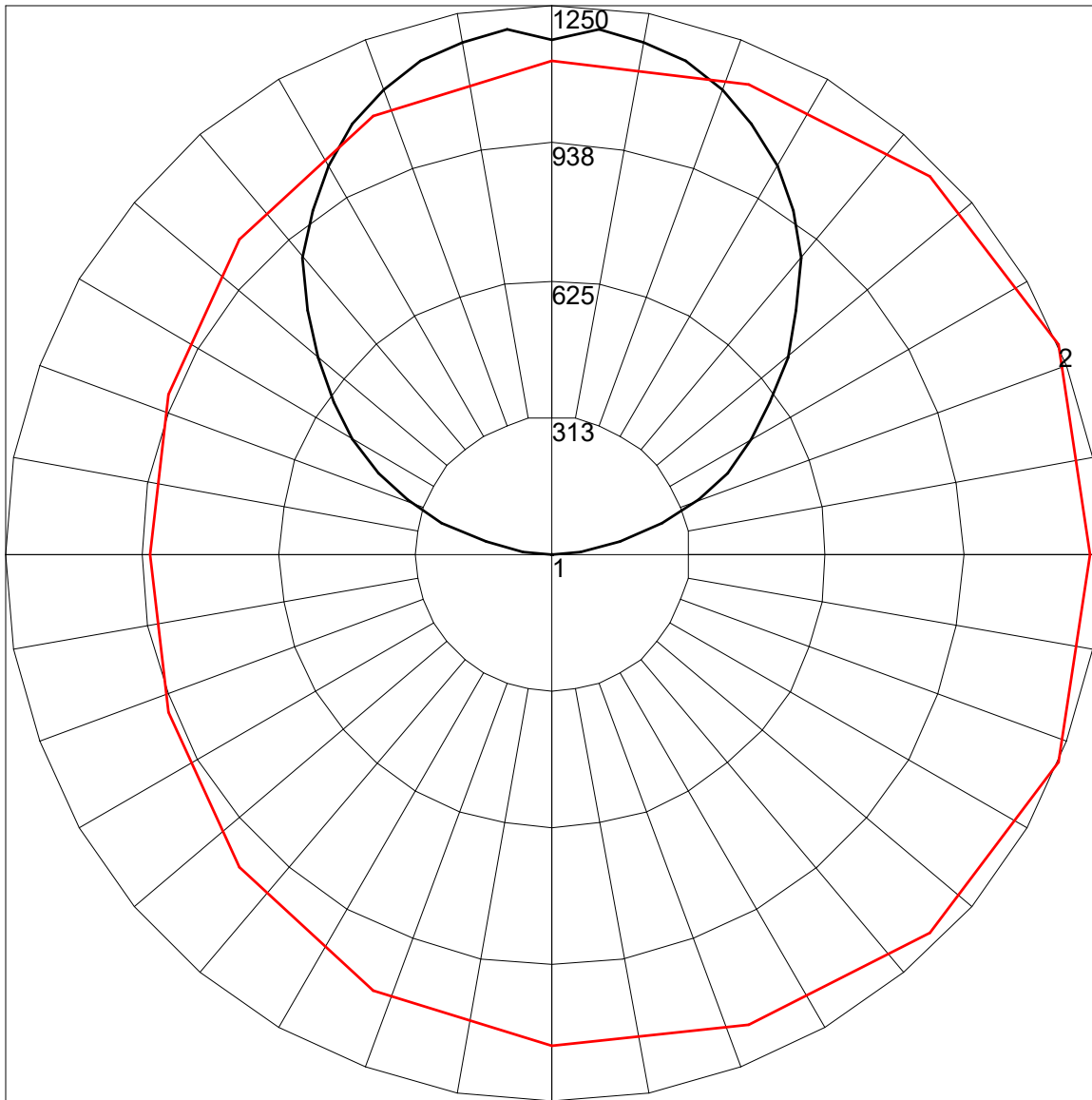
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1250.148 Located At Horizontal Angle = 22.5, Vertical Angle = 160
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (160) (Through Max. Cd.)