



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L10-840-25-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-L10-840-25-D-DIM-UNV

[LAMPCAT] 22 INCH HLM LED ARRAYS

[_SEARCH_SOURCE] 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	3803
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	29.9
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CX-3-08-L10-840-25-D-DIM-UNV_.IES

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	124.357	130.326	123.362	168.131	71.630	20.892	18.902	10.943	5.969
100	269.607	285.524	296.468	293.483	169.126	68.645	38.799	37.805	31.835
105	423.810	465.594	490.465	400.928	280.550	181.064	68.645	56.707	55.712
110	594.925	647.653	633.725	503.398	384.015	306.416	153.208	87.548	64.666
115	771.015	810.809	755.097	609.848	472.558	372.077	266.622	181.064	104.460
120	924.223	934.172	859.557	712.318	568.064	459.624	365.113	288.509	202.951
125	1035.647	1025.699	958.048	803.845	655.612	555.131	505.388	394.959	314.375
130	1124.190	1113.246	1035.647	888.408	753.108	659.591	597.910	511.357	427.789
135	1193.830	1187.861	1097.329	967.997	851.599	765.046	671.529	657.601	537.223
140	1249.542	1246.557	1165.974	1042.611	955.064	852.593	762.061	701.375	693.416
145	1285.357	1288.341	1213.727	1107.277	1032.663	933.177	854.583	775.989	734.205
150	1312.218	1319.182	1257.501	1162.989	1103.298	1009.781	940.141	862.542	825.732
155	1324.156	1339.079	1292.321	1207.758	1164.979	1088.375	1013.761	946.110	913.280
160	1322.167	1347.038	1316.197	1253.521	1213.727	1162.989	1093.349	1026.694	993.863
165	1311.223	1343.059	1319.182	1279.388	1253.521	1221.686	1166.969	1102.303	1065.493
170	1287.347	1323.161	1313.213	1287.347	1280.383	1269.439	1228.650	1168.958	1129.164
175	1237.604	1286.352	1297.295	1280.383	1296.300	1300.280	1279.388	1216.712	1192.835
180	1264.465	1264.465	1264.465	1264.465	1264.465	1264.465	1264.465	1264.465	1264.465

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CX-3-08-L10-840-25-D-DIM-UNV_.IES

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	375.82	N.A.	9.90
90-120	858.91	N.A.	22.60
90-130	1480.89	N.A.	38.90
90-150	2804.71	N.A.	73.80
90-180	3802.67	N.A.	100.00
110-180	3426.85	N.A.	90.10
0-180	3802.67	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	87.09
100-110	288.74
110-120	483.08
120-130	621.99
130-140	680.12
140-150	643.69
150-160	528.81
160-170	348.28
170-180	120.87

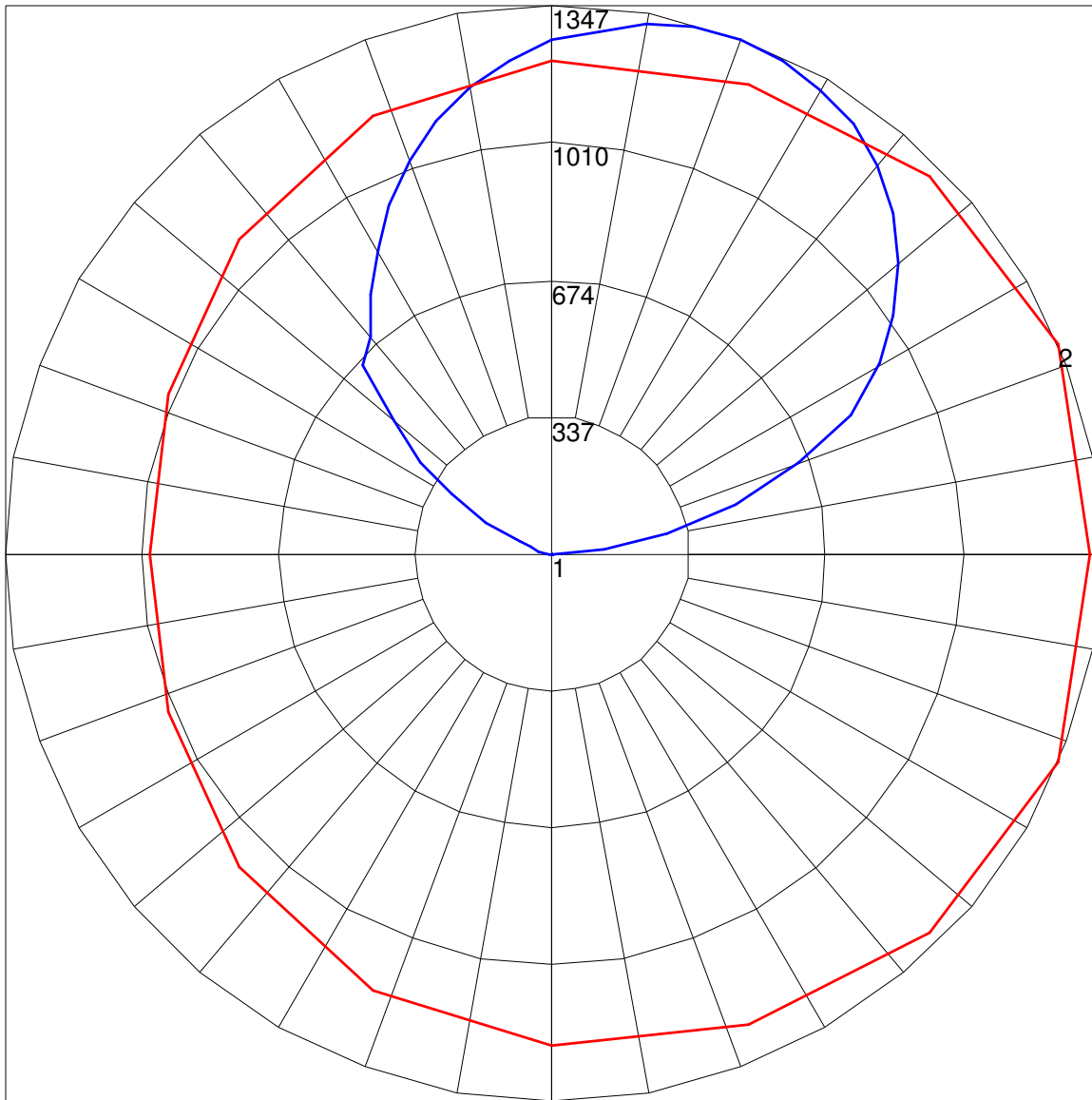
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CX-3-08-L10-840-25-D-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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 = 1347.038 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.)