

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L10-RGB835-0-D-DMX-UNV WHITE ONLY\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 19927.0

[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 @ 0 DEGREE

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] CX-3-08-L10-RGB835-0-D-DMX-UNV white only

[LAMPCAT] 22 INCH LED ARRAYS

[\_SEARCH\_SOURCE TYPE] 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	3597
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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
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>
<b>0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>10</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>15</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>20</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>25</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>30</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>35</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>40</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>45</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>50</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>55</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>60</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>65</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>70</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>75</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>80</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>85</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>90</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95</b>	1.856	2.785	10.210	59.405	69.615	71.471	64.974	64.974	66.830
<b>100</b>	47.338	70.543	100.246	151.297	172.645	160.579	149.440	151.297	156.866
<b>105</b>	190.281	214.414	219.983	250.614	270.106	272.891	256.183	253.399	256.183
<b>110</b>	321.157	319.301	327.655	350.860	355.501	387.988	369.424	360.142	351.788
<b>115</b>	405.623	415.834	428.828	437.182	446.464	493.802	466.885	459.459	454.818
<b>120</b>	502.156	511.438	528.146	536.500	548.566	591.263	568.058	566.202	553.207
<b>125</b>	597.761	611.684	620.038	639.530	653.453	673.873	671.089	667.376	649.740
<b>130</b>	691.509	720.283	717.499	738.847	749.986	769.478	770.406	768.550	744.416
<b>135</b>	775.047	813.103	804.749	831.667	845.590	867.867	856.729	866.011	840.021
<b>140</b>	859.513	892.928	894.785	914.277	930.056	957.902	945.836	941.195	930.056
<b>145</b>	935.626	960.687	971.825	986.677	1005.241	1034.015	1022.876	1008.025	1012.666
<b>150</b>	1005.241	1037.728	1043.297	1056.292	1076.712	1115.696	1097.132	1073.927	1091.563
<b>155</b>	1081.353	1110.127	1112.912	1119.409	1144.471	1180.670	1162.106	1136.117	1151.896
<b>160</b>	1140.758	1171.388	1165.819	1169.532	1196.450	1227.080	1212.229	1182.527	1192.737
<b>165</b>	1181.599	1221.511	1216.870	1212.229	1236.362	1261.424	1246.573	1216.870	1222.439
<b>170</b>	1208.516	1245.644	1245.644	1242.860	1265.137	1284.629	1269.778	1231.721	1236.362
<b>175</b>	1212.229	1257.711	1264.208	1262.352	1284.629	1300.408	1282.772	1233.578	1235.434
<b>180</b>	1260.496	1260.496	1260.496	1260.496	1260.496	1260.496	1260.496	1260.496	1260.496

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : CX-3-08-L10-RGB835-0-D-DMX-UNV WHITE ONLY\_.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	318.47	N.A.	8.90
90-120	762.37	N.A.	21.20
90-130	1340.04	N.A.	37.30
90-150	2608.76	N.A.	72.50
90-180	3597.18	N.A.	100.00
110-180	3278.71	N.A.	91.10
0-180	3597.18	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	61.70
100-110	256.76
110-120	443.90
120-130	577.67
130-140	644.95
140-150	623.77
150-160	522.42
160-170	345.86
170-180	120.13

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

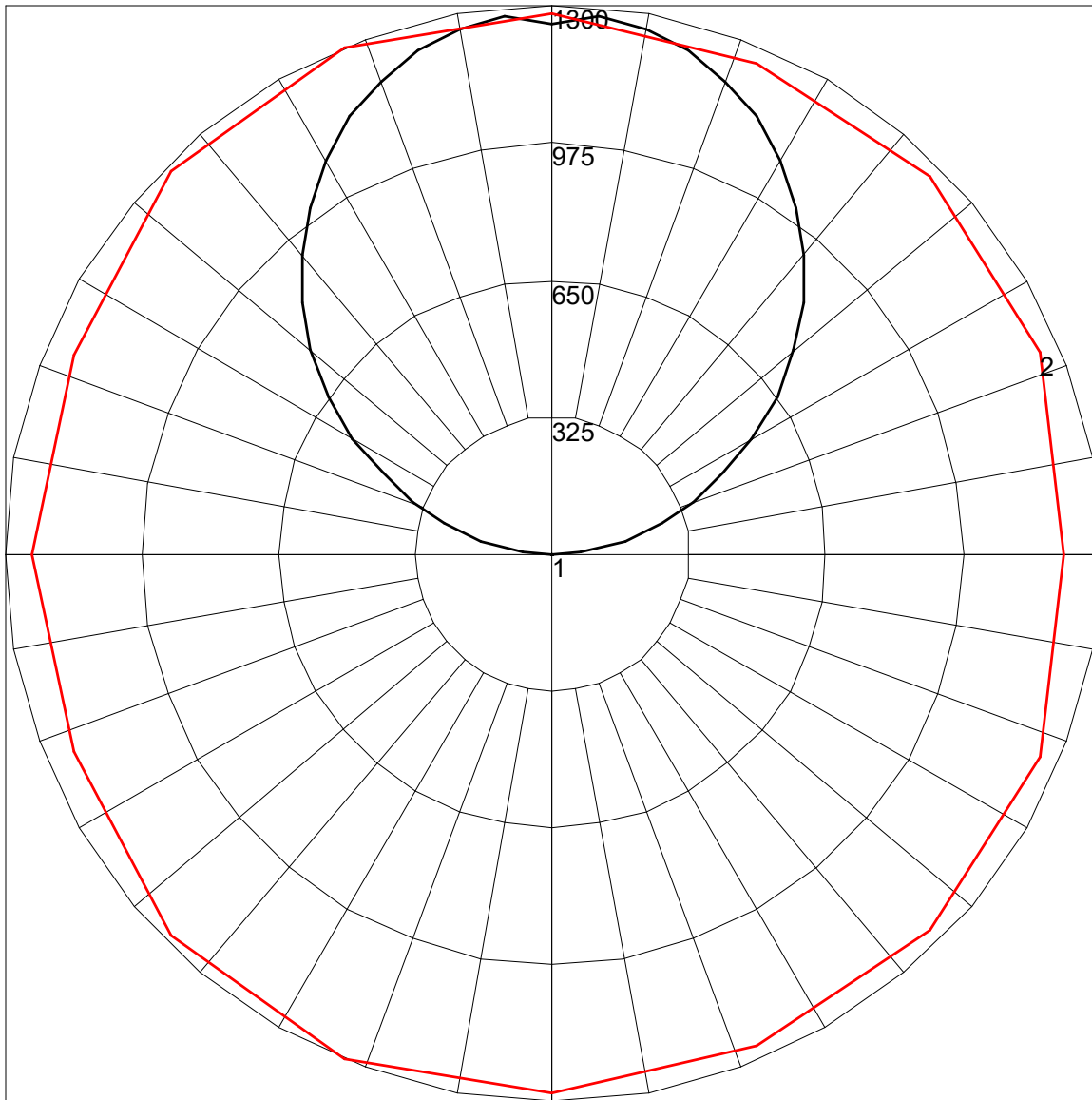
Effective Floor Cavity Reflectance 0.20

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	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

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## POLAR GRAPH



Maximum Candela = 1300.408 Located At Horizontal Angle = 112.5, Vertical Angle = 175

# 1 - Vertical Plane Through Horizontal Angles (90 - 270)

# 2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)