



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L10-835-25-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-L10-835-25-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	3692
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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

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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>	120.735	126.531	119.769	163.234	69.543	20.284	18.352	10.625	5.795
<b>100</b>	261.754	277.208	287.833	284.935	164.200	66.646	37.669	36.704	30.908
<b>105</b>	411.466	452.033	476.180	389.250	272.379	175.790	66.646	55.055	54.089
<b>110</b>	577.597	628.789	615.267	488.736	372.830	297.492	148.746	84.998	62.782
<b>115</b>	748.558	787.194	733.104	592.086	458.794	361.240	258.856	175.790	101.418
<b>120</b>	897.304	906.963	834.522	691.571	551.519	446.237	354.479	280.106	197.040
<b>125</b>	1005.483	995.824	930.144	780.433	636.516	538.962	490.668	383.455	305.219
<b>130</b>	1091.446	1080.822	1005.483	862.532	731.173	640.380	580.495	496.463	415.329
<b>135</b>	1159.058	1153.263	1065.368	939.803	826.795	742.763	651.970	638.448	521.576
<b>140</b>	1213.148	1210.250	1132.013	1012.244	927.247	827.761	739.865	680.947	673.220
<b>145</b>	1247.919	1250.817	1178.376	1075.026	1002.585	905.997	829.692	753.388	712.821
<b>150</b>	1273.998	1280.759	1220.875	1129.116	1071.163	980.370	912.758	837.420	801.682
<b>155</b>	1285.589	1300.077	1254.680	1172.581	1131.048	1056.675	984.234	918.554	886.680
<b>160</b>	1283.657	1307.804	1277.862	1217.011	1178.376	1129.116	1061.504	996.790	964.916
<b>165</b>	1273.032	1303.940	1280.759	1242.124	1217.011	1186.103	1132.979	1070.197	1034.459
<b>170</b>	1249.851	1284.623	1274.964	1249.851	1243.090	1232.465	1192.864	1134.911	1096.276
<b>175</b>	1201.557	1248.885	1259.510	1243.090	1258.544	1262.408	1242.124	1181.273	1158.092
<b>180</b>	1227.636	1227.636	1227.636	1227.636	1227.636	1227.636	1227.636	1227.636	1227.636

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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	364.88	N.A.	9.90
90-120	833.89	N.A.	22.60
90-130	1437.76	N.A.	38.90
90-150	2723.02	N.A.	73.80
90-180	3691.91	N.A.	100.00
110-180	3327.04	N.A.	90.10
0-180	3691.91	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	84.55
100-110	280.33
110-120	469.01
120-130	603.87
130-140	660.31
140-150	624.94
150-160	513.40
160-170	338.14
170-180	117.35

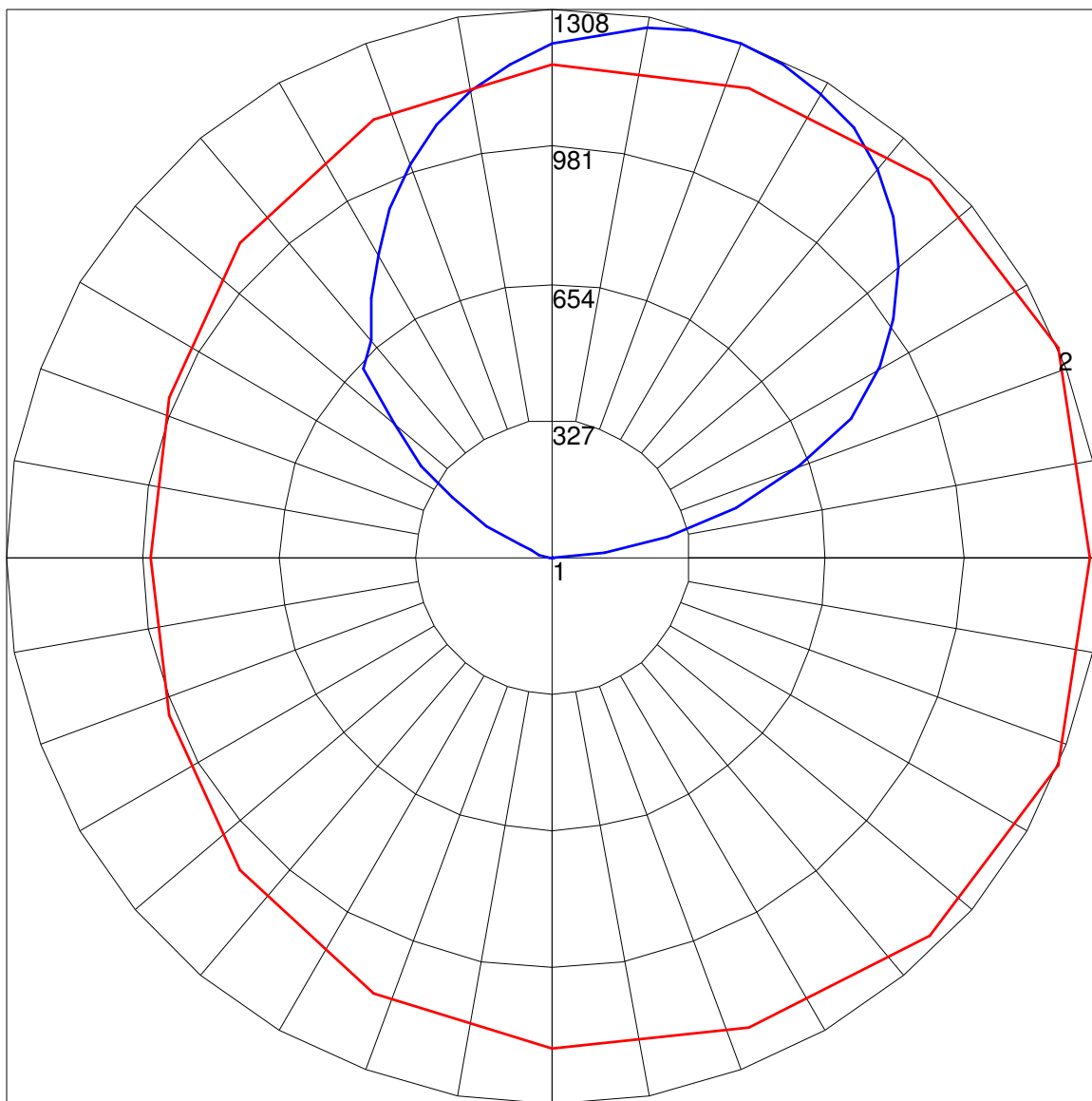
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1307.804 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.)