



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L10-850-0-D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM BALLABS TEST NO. 19927.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUEDATE] 2023-07-14  
 [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-L10-850-0-D-DIM-UNV  
 [LAMPCAT] 22 INCH LED ARRAYS  
 [ \_SEARCH\_SOURCETYPE] 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	3996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
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
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>	2.062	3.093	11.343	65.993	77.336	79.398	72.180	72.180	74.242
<b>100</b>	52.588	78.367	111.363	168.076	191.792	178.387	166.014	168.076	174.263
<b>105</b>	211.384	238.194	244.380	278.408	300.062	303.155	284.595	281.502	284.595
<b>110</b>	356.775	354.713	363.993	389.771	394.927	431.017	410.394	400.083	390.802
<b>115</b>	450.609	461.951	476.387	485.667	495.979	548.567	518.664	510.415	505.259
<b>120</b>	557.847	568.159	586.719	596.000	609.404	656.837	631.058	628.996	614.560
<b>125</b>	664.055	679.522	688.802	710.456	725.923	748.608	745.515	741.390	721.799
<b>130</b>	768.200	800.165	797.072	820.788	833.162	854.816	855.847	853.785	826.975
<b>135</b>	861.003	903.280	893.999	923.902	939.369	964.117	951.743	962.055	933.183
<b>140</b>	954.837	991.958	994.020	1015.674	1033.203	1064.138	1050.733	1045.577	1033.203
<b>145</b>	1039.390	1067.231	1079.605	1096.103	1116.726	1148.691	1136.317	1119.819	1124.975
<b>150</b>	1116.726	1152.816	1159.003	1173.439	1196.124	1239.432	1218.809	1193.030	1212.622
<b>155</b>	1201.279	1233.245	1236.338	1243.556	1271.397	1311.611	1290.989	1262.117	1279.646
<b>160</b>	1267.272	1301.300	1295.113	1299.238	1329.141	1363.168	1346.670	1313.674	1325.016
<b>165</b>	1312.643	1356.982	1351.826	1346.670	1373.480	1401.321	1384.822	1351.826	1358.013
<b>170</b>	1342.546	1383.791	1383.791	1380.698	1405.445	1427.099	1410.601	1368.324	1373.480
<b>175</b>	1346.670	1397.196	1404.414	1402.352	1427.099	1444.629	1425.037	1370.386	1372.449
<b>180</b>	1400.290	1400.290	1400.290	1400.290	1400.290	1400.290	1400.290	1400.290	1400.290

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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	353.79	N.A.	8.90
90-120	846.92	N.A.	21.20
90-130	1488.65	N.A.	37.30
90-150	2898.08	N.A.	72.50
90-180	3996.12	N.A.	100.00
110-180	3642.33	N.A.	91.10
0-180	3996.12	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	68.54
100-110	285.24
110-120	493.13
120-130	641.73
130-140	716.48
140-150	692.95
150-160	580.36
160-170	384.22
170-180	133.46

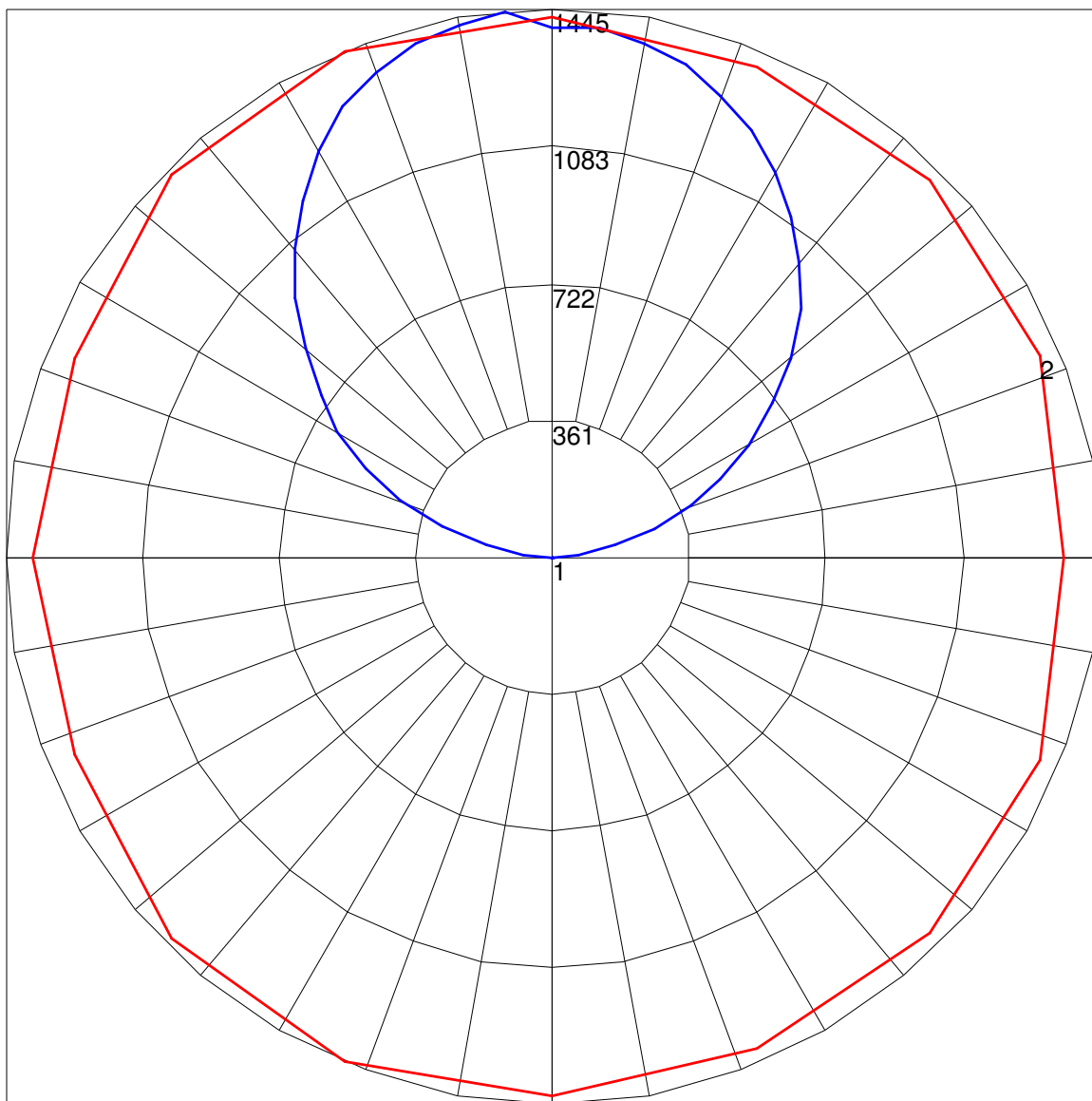
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1444.629 Located At Horizontal Angle = 112.5, Vertical Angle = 175  
# 1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)