



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CX-3-08-L15-827-25-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-L15-827-25-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	5370
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	48.4
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	175.600	184.029	174.195	237.411	101.146	29.501	26.691	15.453	8.429
100	380.701	403.178	418.630	414.416	238.816	96.931	54.787	53.382	44.954
105	598.445	657.446	692.566	566.134	396.154	255.674	96.931	80.074	78.669
110	840.070	914.525	894.858	710.829	542.253	432.678	216.339	123.622	91.312
115	1088.720	1144.912	1066.243	861.142	667.280	525.395	376.486	255.674	147.504
120	1305.059	1319.107	1213.747	1005.837	802.141	649.018	515.562	407.392	286.579
125	1462.397	1448.349	1352.822	1135.078	925.763	783.878	713.638	557.706	443.917
130	1587.424	1571.971	1462.397	1254.486	1063.434	931.382	844.285	722.067	604.064
135	1685.760	1677.331	1549.494	1366.870	1202.509	1080.291	948.240	928.573	758.592
140	1764.429	1760.214	1646.426	1472.230	1348.608	1203.914	1076.077	990.384	979.146
145	1815.002	1819.216	1713.856	1563.542	1458.182	1317.702	1206.723	1095.744	1036.742
150	1852.931	1862.765	1775.667	1642.211	1557.923	1425.872	1327.536	1217.962	1165.984
155	1869.789	1890.861	1824.835	1705.427	1645.021	1536.851	1431.491	1335.965	1289.606
160	1866.979	1902.099	1858.550	1770.048	1713.856	1642.211	1543.875	1449.754	1403.395
165	1851.526	1896.480	1862.765	1806.573	1770.048	1725.094	1647.830	1556.518	1504.541
170	1817.811	1868.384	1854.336	1817.811	1807.978	1792.525	1734.928	1650.640	1594.448
175	1747.571	1816.406	1831.859	1807.978	1830.454	1836.074	1806.573	1718.070	1684.355
180	1785.501	1785.501	1785.501	1785.501	1785.501	1785.501	1785.501	1785.501	1785.501

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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	530.69	N.A.	9.90
90-120	1212.83	N.A.	22.60
90-130	2091.11	N.A.	38.90
90-150	3960.41	N.A.	73.80
90-180	5369.6	N.A.	100.00
110-180	4838.91	N.A.	90.10
0-180	5369.6	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	122.97
100-110	407.71
110-120	682.14
120-130	878.29
130-140	960.37
140-150	908.93
150-160	746.71
160-170	491.80
170-180	170.68

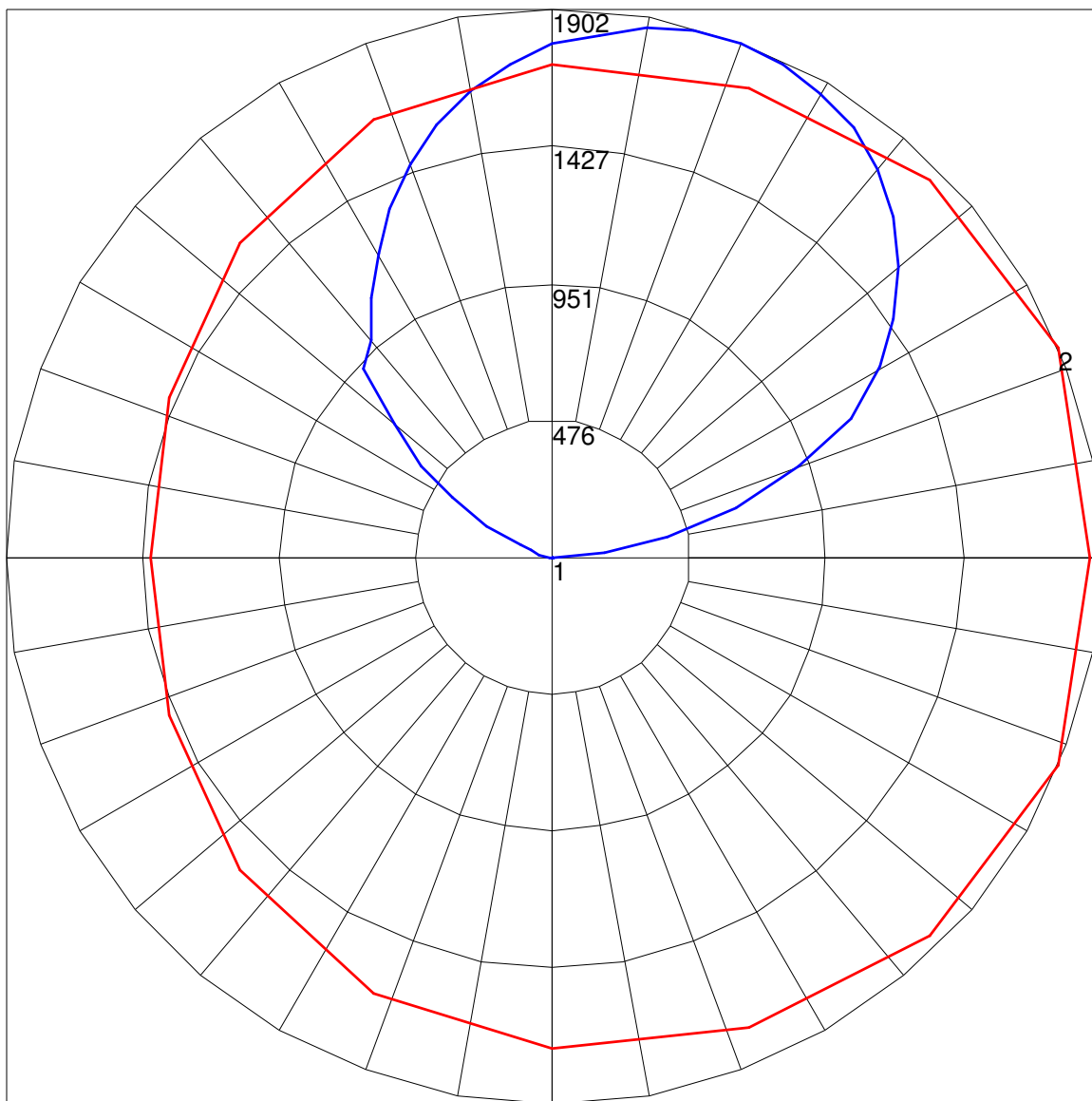
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1902.099 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.)