



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CXC-3-08-P8-835-0-D-POE_.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] 03-APR-2020

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836

[LUMINAIRE] CONTINUOUS COVE LUMINAIRE @ 0 DEGREE

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] CXC-3-08-P8-835-0-D-PoE

[LAMPCAT] HLM 80 CRI, 3500 CCT

[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	3131
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	23.1
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>
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	1.616	2.424	8.888	51.712	60.600	62.216	56.560	56.560	58.176
100	41.208	61.408	87.264	131.704	150.288	139.784	130.088	131.704	136.552
105	165.640	186.648	191.496	218.160	235.128	237.552	223.008	220.584	223.008
110	279.568	277.952	285.224	305.424	309.464	337.744	321.584	313.504	306.232
115	353.096	361.984	373.296	380.568	388.648	429.856	406.424	399.960	395.920
120	437.128	445.208	459.752	467.024	477.528	514.696	494.496	492.880	481.568
125	520.352	532.472	539.744	556.712	568.832	586.608	584.184	580.952	565.600
130	601.960	627.008	624.584	643.168	652.864	669.832	670.640	669.024	648.016
135	674.680	707.808	700.536	723.968	736.088	755.480	745.784	753.864	731.240
140	748.208	777.296	778.912	795.880	809.616	833.856	823.352	819.312	809.616
145	814.464	836.280	845.976	858.904	875.064	900.112	890.416	877.488	881.528
150	875.064	903.344	908.192	919.504	937.280	971.216	955.056	934.856	950.208
155	941.320	966.368	968.792	974.448	996.264	1027.776	1011.616	988.992	1002.728
160	993.032	1019.696	1014.848	1018.080	1041.512	1068.176	1055.248	1029.392	1038.280
165	1028.584	1063.328	1059.288	1055.248	1076.256	1098.072	1085.144	1059.288	1064.136
170	1052.016	1084.336	1084.336	1081.912	1101.304	1118.272	1105.344	1072.216	1076.256
175	1055.248	1094.840	1100.496	1098.880	1118.272	1132.008	1116.656	1073.832	1075.448
180	1097.264	1097.264	1097.264	1097.264	1097.264	1097.264	1097.264	1097.264	1097.264

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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	277.23	N.A.	8.90
90-120	663.64	N.A.	21.20
90-130	1166.51	N.A.	37.30
90-150	2270.93	N.A.	72.50
90-180	3131.35	N.A.	100.00
110-180	2854.12	N.A.	91.10
0-180	3131.35	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	53.71
100-110	223.51
110-120	386.42
120-130	502.86
130-140	561.43
140-150	543.00
150-160	454.77
160-170	301.07
170-180	104.58

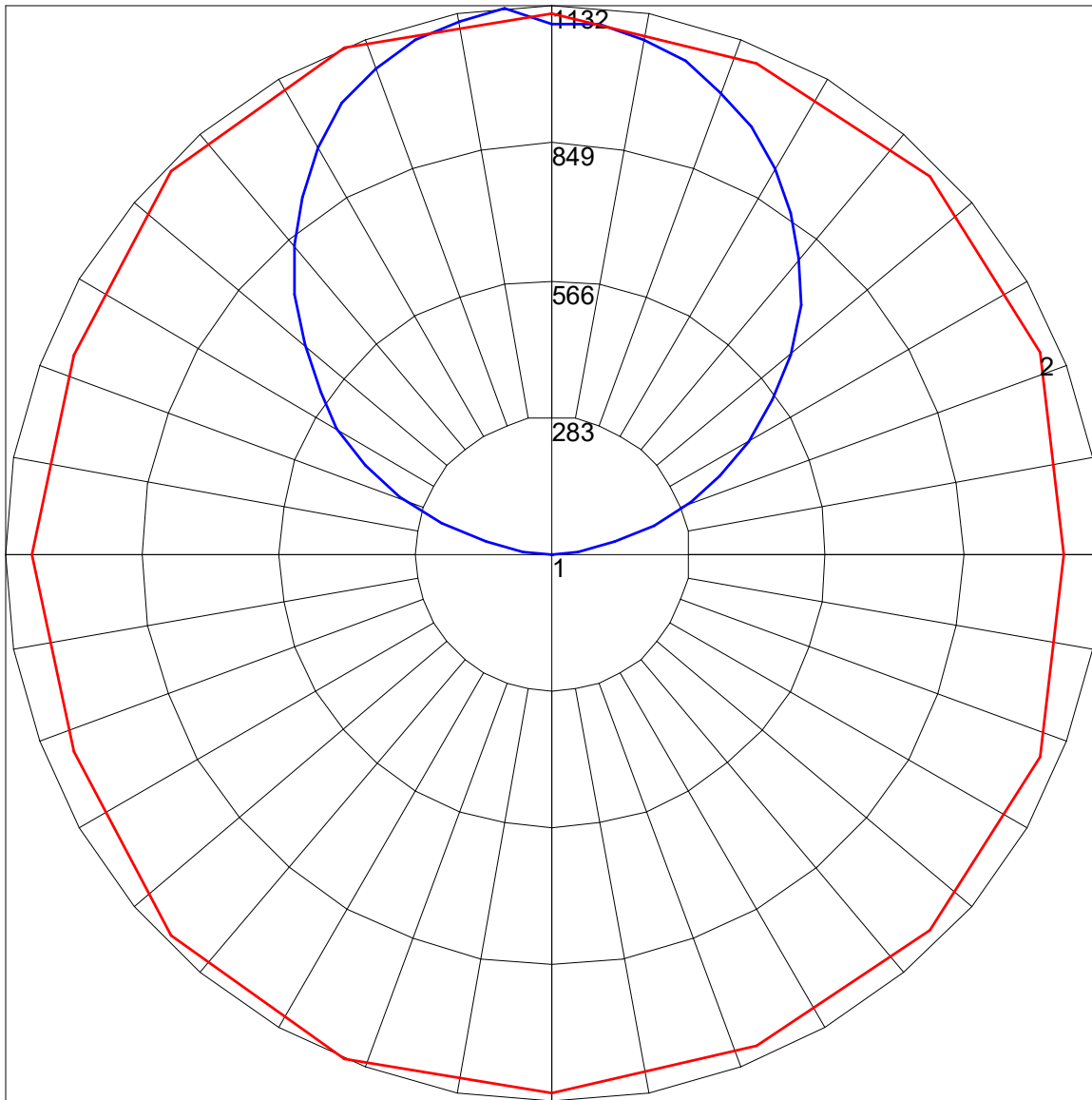
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	195	195	195	195	167	167	167	167	114	114	114	65	65	65	21	21	21	0
1	177	169	162	155	151	145	139	134	99	96	92	57	55	54	18	18	17	0
2	161	148	136	127	137	126	117	109	87	81	76	50	47	45	16	15	15	0
3	147	129	116	105	125	111	100	91	76	69	64	44	40	38	14	13	12	0
4	134	114	99	88	114	98	86	76	67	60	54	39	35	32	13	11	10	0
5	122	101	86	75	104	87	74	65	60	52	46	35	30	27	11	10	9	0
6	112	90	75	64	95	77	65	56	53	45	39	31	27	23	10	9	8	0
7	103	80	65	55	88	69	57	48	48	40	34	28	23	20	9	8	7	0
8	95	72	58	48	81	62	50	42	43	35	30	25	21	18	8	7	6	0
9	88	65	51	42	75	56	45	37	39	31	26	23	19	15	7	6	5	0
10	82	59	46	37	70	51	40	32	36	28	23	21	17	14	7	5	5	0

POLAR GRAPH



Maximum Candela = 1132.008 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.)