



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CXC-3-08-P8-835-25-D-POE_.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] 03-APR-2020

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] CONTINUOUS COVE LUMINAIRE @ 25DEG

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] CXC-3-08-P8-835-25-D-PoE

[LAMPCAT] HLM 80 CRI, 3500 CCT

[_SEARCH_SOURCE] 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	3094
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
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 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	101.190	106.048	100.381	136.810	58.286	17.000	15.381	8.905	4.857
100	219.381	232.333	241.238	238.810	137.619	55.857	31.571	30.762	25.905
105	344.857	378.857	399.095	326.238	228.286	147.333	55.857	46.143	45.333
110	484.095	527.000	515.667	409.619	312.476	249.333	124.667	71.238	52.619
115	627.381	659.762	614.429	496.238	384.524	302.762	216.952	147.333	85.000
120	752.048	760.143	699.429	579.619	462.238	374.000	297.095	234.762	165.143
125	842.714	834.619	779.571	654.095	533.476	451.714	411.238	321.381	255.810
130	914.762	905.857	842.714	722.905	612.810	536.714	486.524	416.095	348.095
135	971.429	966.571	892.905	787.667	692.952	622.524	546.429	535.095	437.143
140	1016.762	1014.333	948.762	848.381	777.143	693.762	620.095	570.714	564.238
145	1045.905	1048.333	987.619	901.000	840.286	759.333	695.381	631.429	597.429
150	1067.762	1073.429	1023.238	946.333	897.762	821.667	765.000	701.857	671.905
155	1077.476	1089.619	1051.571	982.762	947.952	885.619	824.905	769.857	743.143
160	1075.857	1096.095	1071.000	1020.000	987.619	946.333	889.667	835.429	808.714
165	1066.952	1092.857	1073.429	1041.048	1020.000	994.095	949.571	896.952	867.000
170	1047.524	1076.667	1068.571	1047.524	1041.857	1032.952	999.762	951.190	918.810
175	1007.048	1046.714	1055.619	1041.857	1054.810	1058.048	1041.048	990.048	970.619
180	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905

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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	305.81	N.A.	9.90
90-120	698.90	N.A.	22.60
90-130	1205.02	N.A.	38.90
90-150	2282.21	N.A.	73.80
90-180	3094.26	N.A.	100.00
110-180	2788.45	N.A.	90.10
0-180	3094.26	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	70.86
100-110	234.95
110-120	393.09
120-130	506.12
130-140	553.42
140-150	523.78
150-160	430.29
160-170	283.40
170-180	98.36

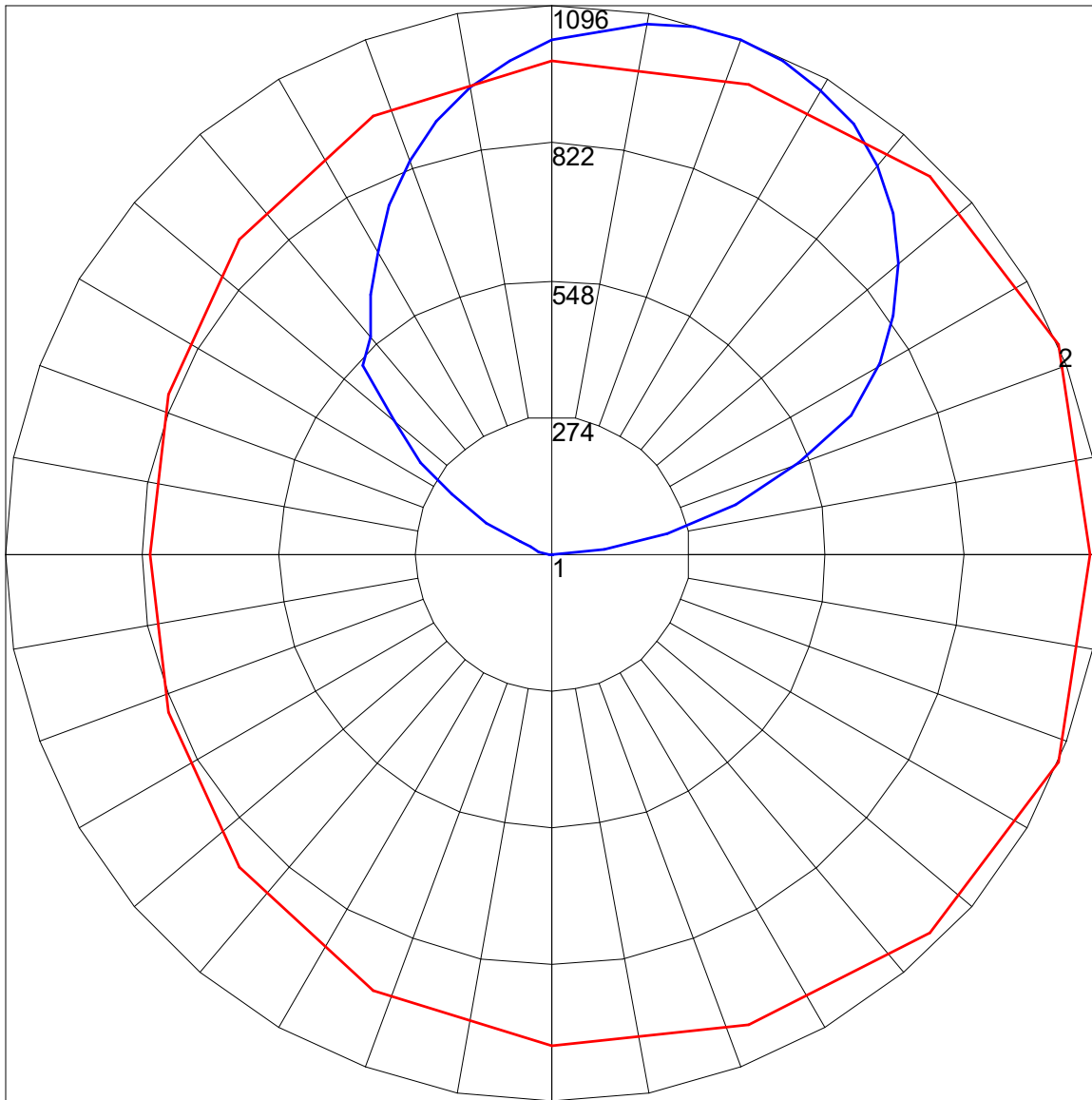
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1096.095 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.)