



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CXC-3-08-L10-8TW-0-D-DALI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 19927.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 21-JUN-2017
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2-56 LED 22"ARRAYS 44"COVE LUMINAIRE @ 0 DEG
 [MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS
 [MORE] ADVANCE DRIVER #XI040C110V054BST1 @ 725mA
 [LUMCAT] CXC-3-08-L10-8TW-0-D-DALI
 [LAMPCAT] 10560227

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3735
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	33.9
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>
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	1.928	2.892	10.603	61.688	72.290	74.218	67.471	67.471	69.399
100	49.157	73.254	104.098	157.111	179.280	166.750	155.183	157.111	162.894
105	197.594	222.654	228.437	260.245	280.486	283.378	266.028	263.137	266.028
110	333.499	331.572	340.246	364.343	369.163	402.898	383.621	373.982	365.307
115	421.212	431.814	445.308	453.983	463.622	512.779	484.827	477.116	472.297
120	521.454	531.093	548.443	557.117	569.648	613.986	589.889	587.961	574.467
125	620.733	635.191	643.866	664.107	678.565	699.770	696.879	693.023	674.710
130	718.084	747.964	745.072	767.241	778.808	799.049	800.013	798.085	773.024
135	804.832	844.351	835.676	863.628	878.086	901.219	889.653	899.292	872.303
140	892.544	927.244	929.172	949.413	965.799	994.715	982.184	977.365	965.799
145	971.582	997.606	1009.173	1024.595	1043.872	1073.752	1062.186	1046.764	1051.583
150	1043.872	1077.608	1083.391	1096.885	1118.090	1158.573	1139.295	1115.199	1133.512
155	1122.910	1152.790	1155.681	1162.428	1188.453	1226.044	1206.766	1179.778	1196.164
160	1184.597	1216.405	1210.622	1214.477	1242.430	1274.237	1258.815	1227.972	1238.574
165	1227.008	1268.454	1263.635	1258.815	1283.876	1309.901	1294.479	1263.635	1269.418
170	1254.960	1293.515	1293.515	1290.623	1313.756	1333.997	1318.575	1279.057	1283.876
175	1258.815	1306.045	1312.792	1310.864	1333.997	1350.383	1332.070	1280.984	1282.912
180	1308.937	1308.937	1308.937	1308.937	1308.937	1308.937	1308.937	1308.937	1308.937

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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	330.70	N.A.	8.90
90-120	791.67	N.A.	21.20
90-130	1391.54	N.A.	37.30
90-150	2709.02	N.A.	72.50
90-180	3735.42	N.A.	100.00
110-180	3404.71	N.A.	91.10
0-180	3735.42	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	64.07
100-110	266.63
110-120	460.96
120-130	599.87
130-140	669.74
140-150	647.74
150-160	542.50
160-170	359.15
170-180	124.75

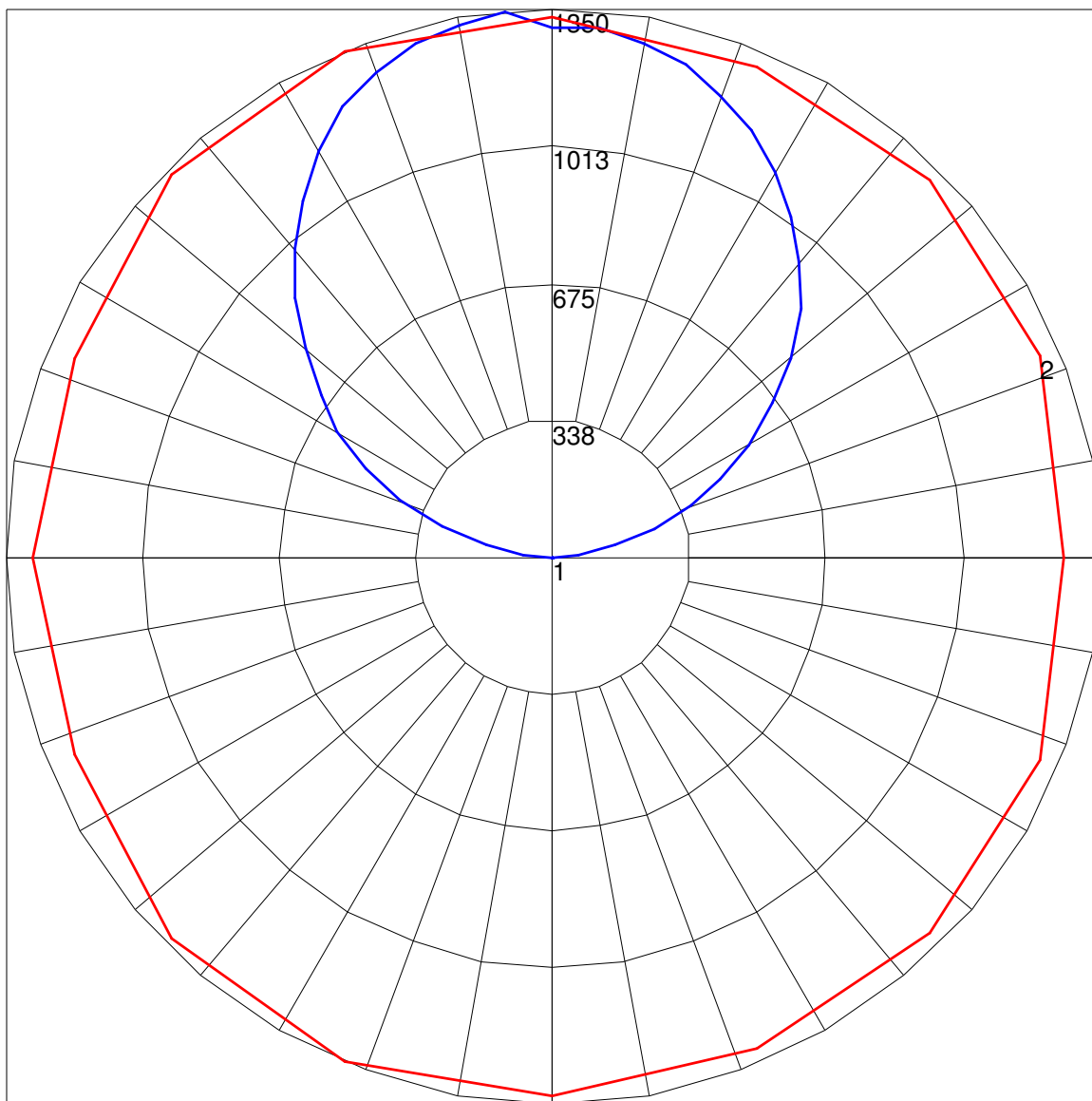
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	92	92	92	78	78	78	78	54	54	54	31	31	31	10	10	10	0
1	83	80	76	73	71	68	65	63	47	45	43	27	26	25	9	8	8	0
2	76	69	64	60	65	59	55	51	41	38	36	24	22	21	8	7	7	0
3	69	61	54	49	59	52	47	43	36	33	30	21	19	18	7	6	6	0
4	63	54	47	41	54	46	40	36	32	28	25	18	16	15	6	5	5	0
5	58	47	40	35	49	41	35	31	28	24	22	16	14	13	5	5	4	0
6	53	42	35	30	45	36	30	26	25	21	19	15	13	11	5	4	4	0
7	49	38	31	26	41	33	27	23	22	19	16	13	11	10	4	4	3	0
8	45	34	27	23	38	29	24	20	20	17	14	12	10	8	4	3	3	0
9	42	31	24	20	35	27	21	17	18	15	12	11	9	7	3	3	2	0
10	39	28	22	17	33	24	19	15	17	13	11	10	8	6	3	3	2	0

POLAR GRAPH



Maximum Candela = 1350.383 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.)