



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LT-22-L49-8TW-AF-DALI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM BALLABS TEST NO. 18665.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 06-FEB-2015
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 1-72 LED 22"ARRAY 2x2'RECESSED LUMINAIRE
 [MORE] WHITE REFLECTOR w/CENTER FROSTED ACRYLIC LENS
 [MORE] EVERLINE LED DRIVER #D10CC55UNVT-C (81 ZH1)
 [LUMCAT] LT-22-L49-8TW-AF-DALI
 [LAMPCAT] HLM 80 CRI 4000K CCT
 [_SEARCH_SOURCETYPE]LED
 [_SEARCH_APPLICATION]INDOOR,ARCHITECTURAL,DIRECT
 [_SEARCH_MOUNTING]RECESSED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	42.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.90 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4145	4683	5115
55	3664	4499	5183
65	3214	4464	5539
75	2680	4722	6237
85	1800	3932	3837

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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>
0	1716.335	1716.335	1716.335	1716.335	1716.335
5	1716.335	1710.753	1703.776	1706.567	1705.171
10	1684.241	1684.241	1684.241	1685.636	1688.427
15	1636.797	1638.193	1640.983	1652.146	1656.333
20	1575.400	1579.586	1590.749	1613.075	1613.075
25	1494.467	1498.653	1516.793	1550.283	1551.678
30	1392.603	1392.603	1431.674	1473.536	1481.908
35	1268.413	1278.181	1336.787	1391.208	1406.557
40	1134.455	1155.386	1230.737	1300.507	1320.043
45	990.730	1025.615	1119.106	1201.434	1222.365
50	851.190	897.238	997.707	1092.593	1117.711
55	710.256	763.281	872.121	983.753	1004.684
60	579.088	633.509	754.908	874.912	897.238
65	459.085	507.923	637.695	753.513	791.188
70	344.662	397.687	521.877	627.927	678.161
75	234.426	287.451	413.037	500.946	545.599
80	136.749	184.192	287.451	350.244	358.616
85	53.025	69.770	115.818	111.632	113.027
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	626.76	N.A.	12.60
0-30	1327.71	N.A.	26.70
0-40	2163.41	N.A.	43.50
0-60	3801.82	N.A.	76.50
0-80	4844.31	N.A.	97.50
0-90	4968.82	N.A.	100.00
10-90	4806.51	N.A.	96.70
20-40	1536.66	N.A.	30.90
20-50	2395.82	N.A.	48.20
40-70	2264.35	N.A.	45.60
60-80	1042.49	N.A.	21.00
70-80	416.54	N.A.	8.40
80-90	124.52	N.A.	2.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4968.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	162.32
10-20	464.44
20-30	700.96
30-40	835.70
40-50	859.16
50-60	779.24
60-70	625.95
70-80	416.54
80-90	124.52
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

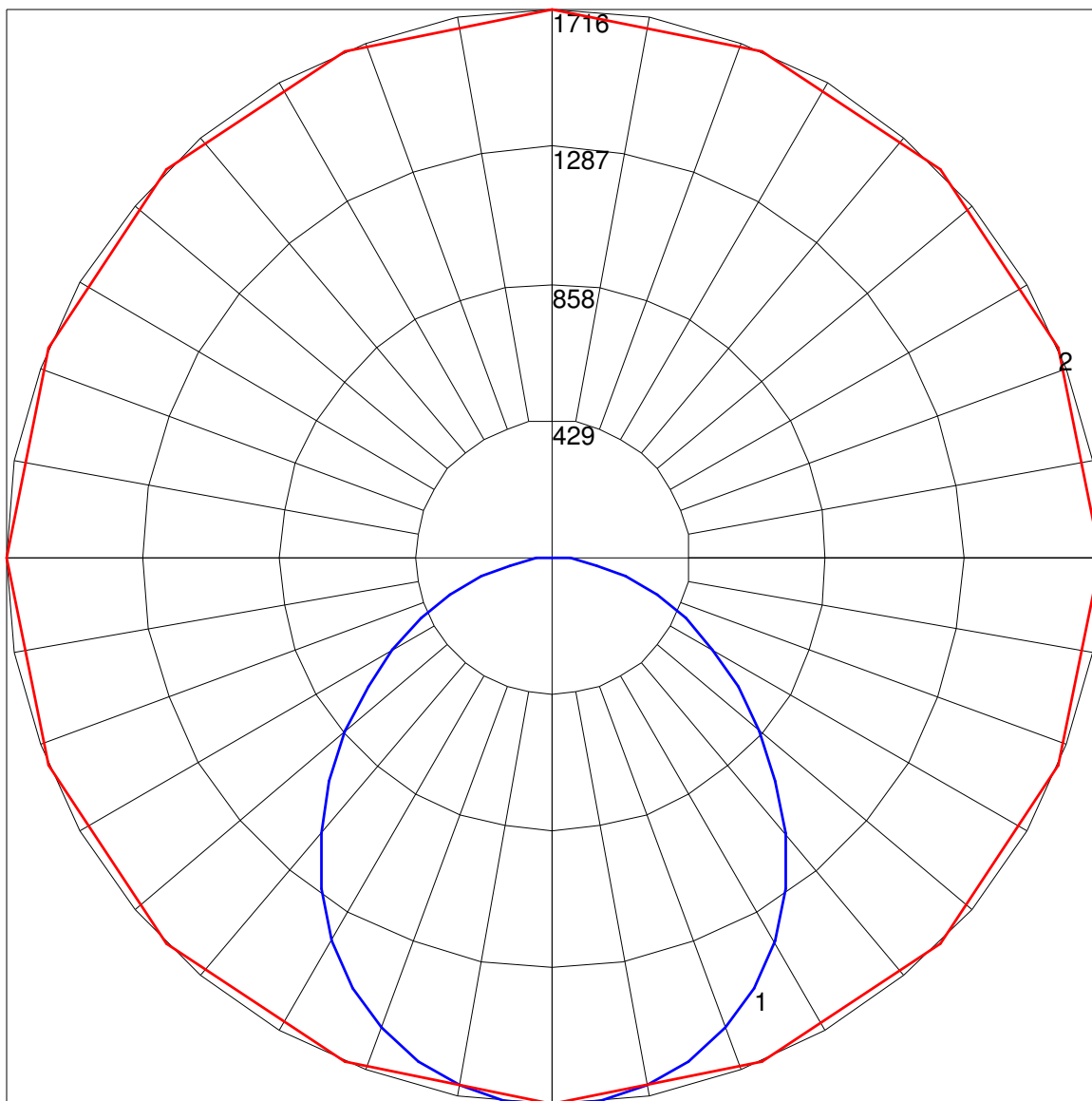
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	211	211	211	211	206	206	206	206	197	197	197	189	189	189	181	181	181	177
1	192	183	175	168	187	179	172	165	171	165	160	164	159	155	158	154	150	146
2	174	159	146	136	169	155	144	134	149	139	131	143	135	128	138	131	125	121
3	158	139	124	112	154	136	122	111	131	119	109	126	116	107	121	113	105	101
4	145	123	107	95	141	121	106	94	116	103	93	112	101	91	108	98	90	86
5	133	110	93	81	129	108	92	81	104	90	80	100	88	79	97	87	78	74
6	123	99	83	71	119	97	82	71	94	80	70	91	79	69	88	77	69	65
7	114	90	74	63	111	88	73	62	85	72	62	83	71	61	80	69	61	57
8	106	82	66	56	103	80	66	56	78	65	55	76	64	55	74	63	55	51
9	99	75	60	50	96	74	60	50	72	59	50	70	58	50	68	57	49	46
10	93	69	55	46	91	68	55	45	66	54	45	65	53	45	63	53	45	42

POLAR GRAPH



Maximum Candela = 1716.335 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)