



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTR-14-L27-835-SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 19272.2

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 01-APR-2015

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 2 72 LED 22"ARRAYS 1x4' RECESSED LUMINAIRE

[MORE] WHITE REFLECTOR w/ ACRYLIC RIBBED CENTER DIFFUSER

[MORE] EVERLINE LED DRIVER #D21CC80UNVTZ-D SET @ 78

[LUMCAT] PTR-14-L27-835-SA-xxx-xxx

[LAMPCAT] M700C835D72N2A

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Retrofit

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2805
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	21.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1227	1297	1370
55	1085	1186	1288
65	977	1153	1320
75	747	1156	1456
85	483	1272	1297

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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	1043.991	1043.991	1043.991	1043.991	1043.991
5	1038.574	1037.800	1038.574	1038.574	1038.960
10	1018.839	1019.613	1020.774	1022.322	1023.096
15	973.566	974.727	977.435	982.079	984.014
20	946.866	949.575	955.766	962.731	965.827
25	873.733	877.215	890.372	895.015	898.885
30	800.599	824.590	850.129	890.759	849.355
35	720.501	727.079	743.331	759.583	766.548
40	654.332	662.071	681.806	701.927	711.601
45	605.577	614.863	640.402	665.167	676.388
50	520.448	531.282	558.756	585.455	596.677
55	434.545	446.153	475.174	504.196	515.804
60	352.898	366.829	397.784	426.806	439.575
65	288.278	304.917	340.129	374.181	389.659
70	211.275	232.557	273.961	312.269	327.360
75	135.046	161.358	208.953	247.648	263.126
80	75.842	110.668	160.197	187.671	195.023
85	29.408	60.364	77.390	78.164	78.938
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	376.57	N.A.	13.40
0-30	789.45	N.A.	28.10
0-40	1261.58	N.A.	45.00
0-60	2175.05	N.A.	77.50
0-80	2727.82	N.A.	97.20
0-90	2805.00	N.A.	100.00
10-90	2706.44	N.A.	96.50
20-40	885.01	N.A.	31.60
20-50	1372.14	N.A.	48.90
40-70	1247.36	N.A.	44.50
60-80	552.77	N.A.	19.70
70-80	218.88	N.A.	7.80
80-90	77.18	N.A.	2.80
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	2805.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.56
10-20	278.01
20-30	412.88
30-40	472.13
40-50	487.13
50-60	426.34
60-70	333.89
70-80	218.88
80-90	77.18
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

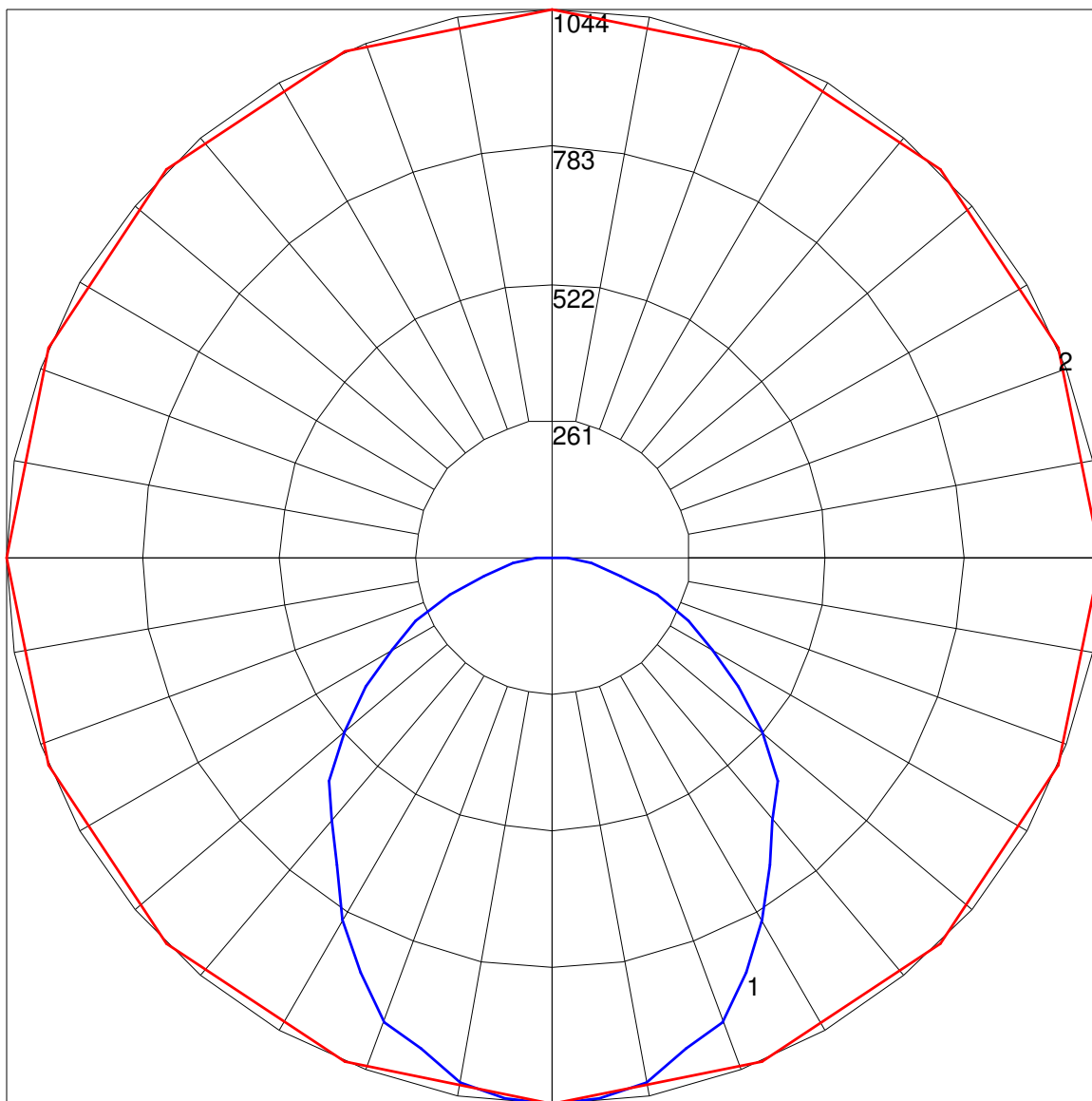
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72	72	72	72	70	70	70	70	67	67	67	64	64	64	61	61	61	60
1	65	62	60	57	64	61	58	56	58	56	54	56	54	53	54	52	51	50
2	59	54	50	46	58	53	49	46	51	48	45	49	46	44	47	45	43	41
3	54	48	43	39	52	47	42	38	45	41	38	43	40	37	42	39	36	35
4	49	42	37	33	48	41	36	32	40	35	32	38	35	32	37	34	31	30
5	46	38	32	28	44	37	32	28	36	31	28	35	31	27	33	30	27	26
6	42	34	29	25	41	33	28	25	32	28	24	31	27	24	30	27	24	23
7	39	31	26	22	38	30	25	22	29	25	22	29	24	21	28	24	21	20
8	36	28	23	20	35	28	23	19	27	23	19	26	22	19	26	22	19	18
9	34	26	21	18	33	26	21	18	25	21	17	24	20	17	24	20	17	16
10	32	24	19	16	31	24	19	16	23	19	16	22	19	16	22	18	16	15

POLAR GRAPH



Maximum Candela = 1043.991 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.)