



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTR-24-L61-835-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

[ISSUE DATE] 01-APR-2015

[MANUFAC] WILLIAMS INDOOR

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

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

[MORE] WHITE REFLECTOR w/ ACRYLIC RIBBED CENTER DIFFUSER

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

[LUMCAT] PTR-24-L61-835-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	6241
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	48.5
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	2729	2886	3048
55	2414	2640	2866
65	2174	2565	2938
75	1663	2573	3239
85	1075	2829	2886

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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	2322.833	2322.833	2322.833	2322.833	2322.833
5	2310.780	2309.058	2310.780	2310.780	2311.641
10	2266.872	2268.593	2271.176	2274.620	2276.342
15	2166.141	2168.724	2174.750	2185.082	2189.386
20	2106.736	2112.762	2126.537	2142.034	2148.922
25	1944.017	1951.765	1981.037	1991.369	1999.978
30	1781.298	1834.677	1891.499	1981.898	1889.777
35	1603.082	1617.718	1653.878	1690.038	1705.535
40	1455.860	1473.079	1516.987	1561.757	1583.280
45	1347.381	1368.044	1424.866	1479.967	1504.934
50	1157.973	1182.079	1243.206	1302.612	1327.579
55	966.843	992.671	1057.242	1121.813	1147.641
60	785.183	816.177	885.053	949.624	978.035
65	641.405	678.426	756.772	832.535	866.973
70	470.077	517.429	609.550	694.784	728.361
75	300.470	359.015	464.911	551.006	585.443
80	168.745	246.231	356.432	417.559	433.917
85	65.432	134.308	172.189	173.911	175.633
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	837.86	N.A.	13.40
0-30	1756.49	N.A.	28.10
0-40	2806.96	N.A.	45.00
0-60	4839.39	N.A.	77.50
0-80	6069.28	N.A.	97.20
0-90	6241.01	N.A.	100.00
10-90	6021.71	N.A.	96.50
20-40	1969.1	N.A.	31.60
20-50	3052.94	N.A.	48.90
40-70	2775.32	N.A.	44.50
60-80	1229.89	N.A.	19.70
70-80	487.00	N.A.	7.80
80-90	171.73	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	6241.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	219.30
10-20	618.56
20-30	918.63
30-40	1050.47
40-50	1083.84
50-60	948.59
60-70	742.89
70-80	487.00
80-90	171.73
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

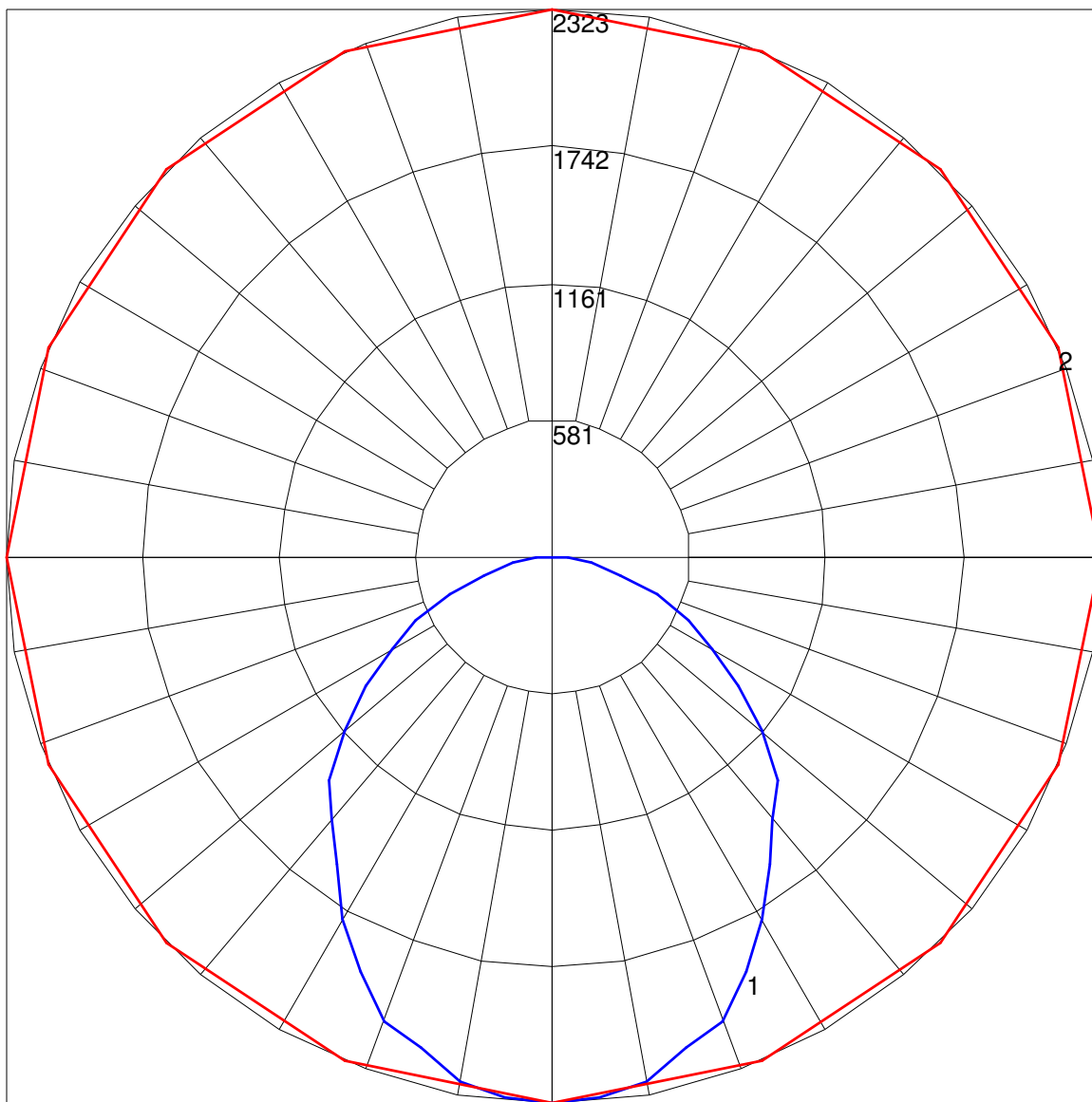
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	80	80	80	80	78	78	78	78	75	75	75	71	71	71	69	69	69	67
1	73	69	66	64	71	68	65	63	65	63	61	62	61	59	60	58	57	56
2	66	60	56	52	64	59	55	51	57	53	50	55	51	49	52	50	48	46
3	60	53	47	43	59	52	47	43	50	46	42	48	44	41	46	43	40	39
4	55	47	41	37	54	46	41	36	44	40	36	43	39	35	41	38	35	33
5	51	42	36	32	49	41	36	31	40	35	31	39	34	31	37	33	30	29
6	47	38	32	28	46	37	32	27	36	31	27	35	30	27	34	30	27	25
7	44	34	29	24	42	34	28	24	33	28	24	32	27	24	31	27	24	22
8	41	31	26	22	40	31	26	22	30	25	22	29	25	21	28	24	21	20
9	38	29	23	20	37	29	23	20	28	23	20	27	23	19	26	22	19	18
10	36	27	21	18	35	26	21	18	26	21	18	25	21	18	24	20	18	16

POLAR GRAPH



Maximum Candela = 2322.833 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.)