



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 11-2-P26-8TW-SAF12125-POE X_4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM BALLABS TEST NO. 18638.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 2-APRIL-2019
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 1x4'SURFACE MNT LUMINAIRE w/WHITE REFL
 [MORE] ARRAYS ON INTERNAL WHITE REFLS w/PAT12 LENS (PRISMS DOWN)
 [LUMCAT] 11-2-P26-8TW-SAF12125-POE x-4000k
 [LAMPCAT] HLM 80 CRI TUNABLE WHITE CCT
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] INDOOR
 [_SEARCH_MOUNTING] SURFACE

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2636
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	23
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.90 ft
Luminous Width (90-270)	0.77 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6670	6298	5995
55	5383	4938	4570
65	4415	3968	3776
75	3690	3462	3605
85	3823	3823	4290

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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	1220.921	1220.921	1220.921	1220.921	1220.921
5	1212.853	1212.348	1210.331	1210.331	1210.331
10	1191.167	1190.159	1188.646	1188.646	1188.142
15	1134.181	1133.677	1132.164	1130.651	1129.138
20	1109.470	1107.453	1101.401	1098.880	1097.871
25	1007.096	1003.566	996.506	991.463	988.941
30	922.877	917.834	906.740	897.158	891.106
35	839.163	832.103	817.478	802.853	795.793
40	733.259	724.181	705.018	683.333	678.794
45	642.484	631.389	606.678	582.472	577.429
50	524.477	512.878	488.671	465.473	458.413
55	420.590	408.487	385.793	364.612	357.048
60	327.294	315.190	296.027	278.880	274.846
65	254.170	244.588	228.450	218.868	217.355
70	187.097	180.037	169.951	168.438	169.951
75	130.111	126.580	122.042	125.068	127.085
80	87.245	85.227	84.723	89.262	90.775
85	45.387	44.883	45.387	50.935	50.935
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	436.83	N.A.	16.60
0-30	898.13	N.A.	34.10
0-40	1406.05	N.A.	53.30
0-60	2219.6	N.A.	84.20
0-80	2586.48	N.A.	98.10
0-90	2635.96	N.A.	100.00
10-90	2521.01	N.A.	95.60
20-40	969.22	N.A.	36.80
20-50	1433.91	N.A.	54.40
40-70	1045.16	N.A.	39.70
60-80	366.87	N.A.	13.90
70-80	135.26	N.A.	5.10
80-90	49.48	N.A.	1.90
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	2635.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.95
10-20	321.89
20-30	461.30
30-40	507.92
40-50	464.69
50-60	348.86
60-70	231.61
70-80	135.26
80-90	49.48
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

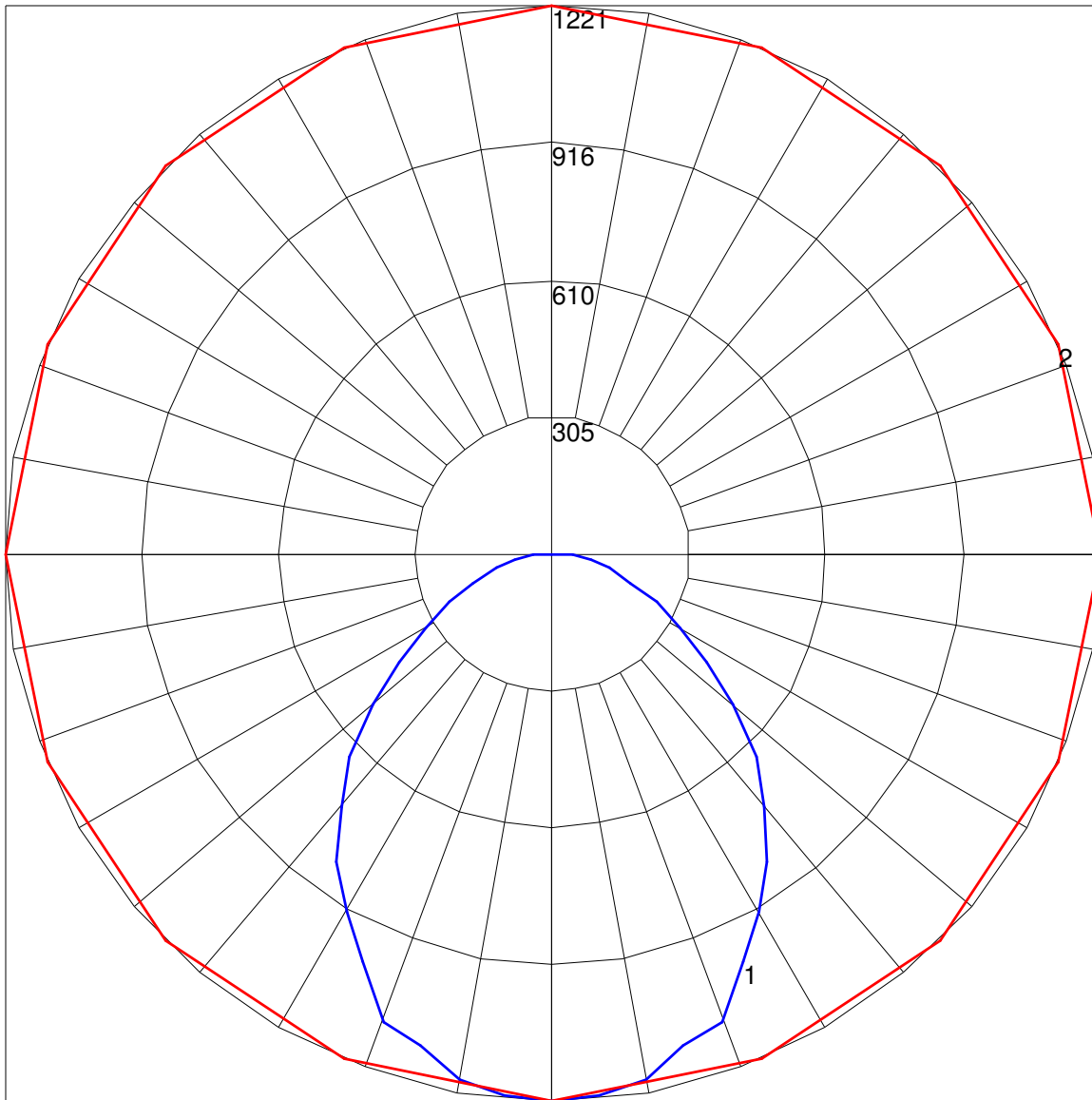
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

POLAR GRAPH



Maximum Candela = 1220.921 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.)