



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 11-2-P26-835-SAF12125-POE X.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] 02-APR-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-P26-835-SAF12125-POE x
 [LAMPCAT] HLM 80 CRI 3500K 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	2633
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	21
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	6663	6291	5988
55	5377	4932	4565
65	4410	3964	3771
75	3686	3458	3600
85	3819	3819	4285

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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	1219.532	1219.532	1219.532	1219.532	1219.532
5	1211.472	1210.969	1208.954	1208.954	1208.954
10	1189.812	1188.804	1187.293	1187.293	1186.790
15	1132.890	1132.387	1130.875	1129.364	1127.853
20	1108.208	1106.193	1100.148	1097.629	1096.622
25	1005.950	1002.424	995.372	990.335	987.816
30	921.827	916.790	905.708	896.137	890.092
35	838.208	831.156	816.547	801.939	794.887
40	732.424	723.357	704.216	682.555	678.022
45	641.753	630.671	605.988	581.809	576.772
50	523.880	512.294	488.115	464.943	457.891
55	420.111	408.022	385.354	364.197	356.641
60	326.921	314.832	295.690	278.563	274.533
65	253.880	244.309	228.190	218.619	217.108
70	186.884	179.832	169.757	168.246	169.757
75	129.963	126.436	121.903	124.925	126.940
80	87.145	85.130	84.627	89.160	90.672
85	45.336	44.832	45.336	50.877	50.877
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	436.33	N.A.	16.60
0-30	897.11	N.A.	34.10
0-40	1404.45	N.A.	53.30
0-60	2217.08	N.A.	84.20
0-80	2583.53	N.A.	98.10
0-90	2632.96	N.A.	100.00
10-90	2518.14	N.A.	95.60
20-40	968.12	N.A.	36.80
20-50	1432.28	N.A.	54.40
40-70	1043.98	N.A.	39.70
60-80	366.45	N.A.	13.90
70-80	135.10	N.A.	5.10
80-90	49.43	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	2632.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.81
10-20	321.52
20-30	460.78
30-40	507.34
40-50	464.16
50-60	348.46
60-70	231.35
70-80	135.10
80-90	49.43
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

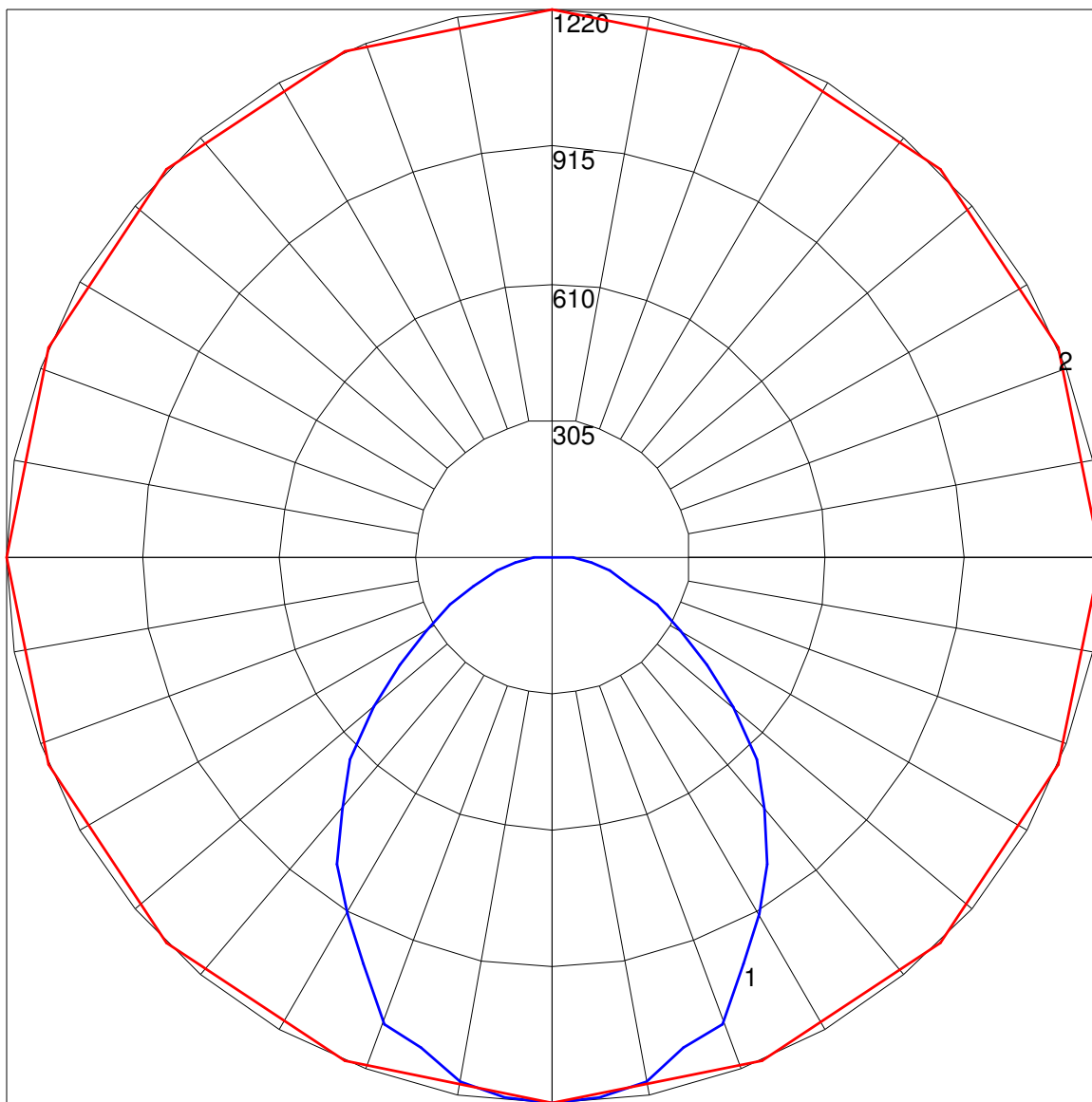
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1219.532 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.)