



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LT-24-L65-8FS-AF-XXX-XXX_3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 19937.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 19-JUN-2017

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 2-280 LED 22"ARRAYS 2x4'RECESSED LUMINAIRE

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC CENTER DIFFUSER

[MORE] ADVANCE DRIVER #XI054C150V054BST1 @ 1325mA

[LUMCAT] LT-24-L65-8FS-xxx-xxx_3500K

[LAMPCAT] 10560284

[_SEARCH_SOURCETYPE]LED

[_SEARCH_APPLICATION]Architectural, Classroom, Office

[_SEARCH_MOUNTING]Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6551
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.42
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	2647	2928	3184
55	2482	2988	3384
65	2244	3160	3820
75	1636	3573	4640
85	721	3546	2897

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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	2045.654	2045.654	2045.654	2045.654	2045.654
5	2068.461	2037.759	2030.741	2030.741	2030.741
10	2037.759	2012.320	2006.179	2009.688	2012.320
15	1993.021	1968.459	1969.336	1981.617	1986.003
20	1922.844	1907.055	1913.195	1936.880	1944.775
25	1829.860	1825.474	1844.773	1882.493	1891.265
30	1728.981	1728.104	1767.578	1812.316	1826.351
35	1604.417	1614.066	1670.208	1731.613	1750.911
40	1458.800	1485.994	1562.311	1635.119	1667.576
45	1307.043	1351.781	1445.642	1524.591	1571.960
50	1154.408	1208.795	1323.710	1410.554	1466.695
55	993.879	1050.898	1196.514	1302.657	1355.289
60	835.104	886.859	1067.565	1191.251	1244.761
65	662.294	721.944	932.474	1063.179	1127.215
70	475.448	565.800	790.366	935.983	1001.774
75	295.620	416.675	645.627	794.752	838.613
80	146.494	274.567	464.044	561.414	544.747
85	43.861	132.459	215.794	224.566	176.319
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	751.84	N.A.	11.50
0-30	1606.59	N.A.	24.50
0-40	2653.6	N.A.	40.50
0-60	4823.19	N.A.	73.60
0-80	6346.34	N.A.	96.90
0-90	6551.27	N.A.	100.00
10-90	6357.56	N.A.	97.00
20-40	1901.77	N.A.	29.00
20-50	3014.06	N.A.	46.00
40-70	3064.03	N.A.	46.80
60-80	1523.14	N.A.	23.20
70-80	628.70	N.A.	9.60
80-90	204.93	N.A.	3.10
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	6551.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.71
10-20	558.13
20-30	854.75
30-40	1047.01
40-50	1112.29
50-60	1057.3
60-70	894.44
70-80	628.70
80-90	204.93
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

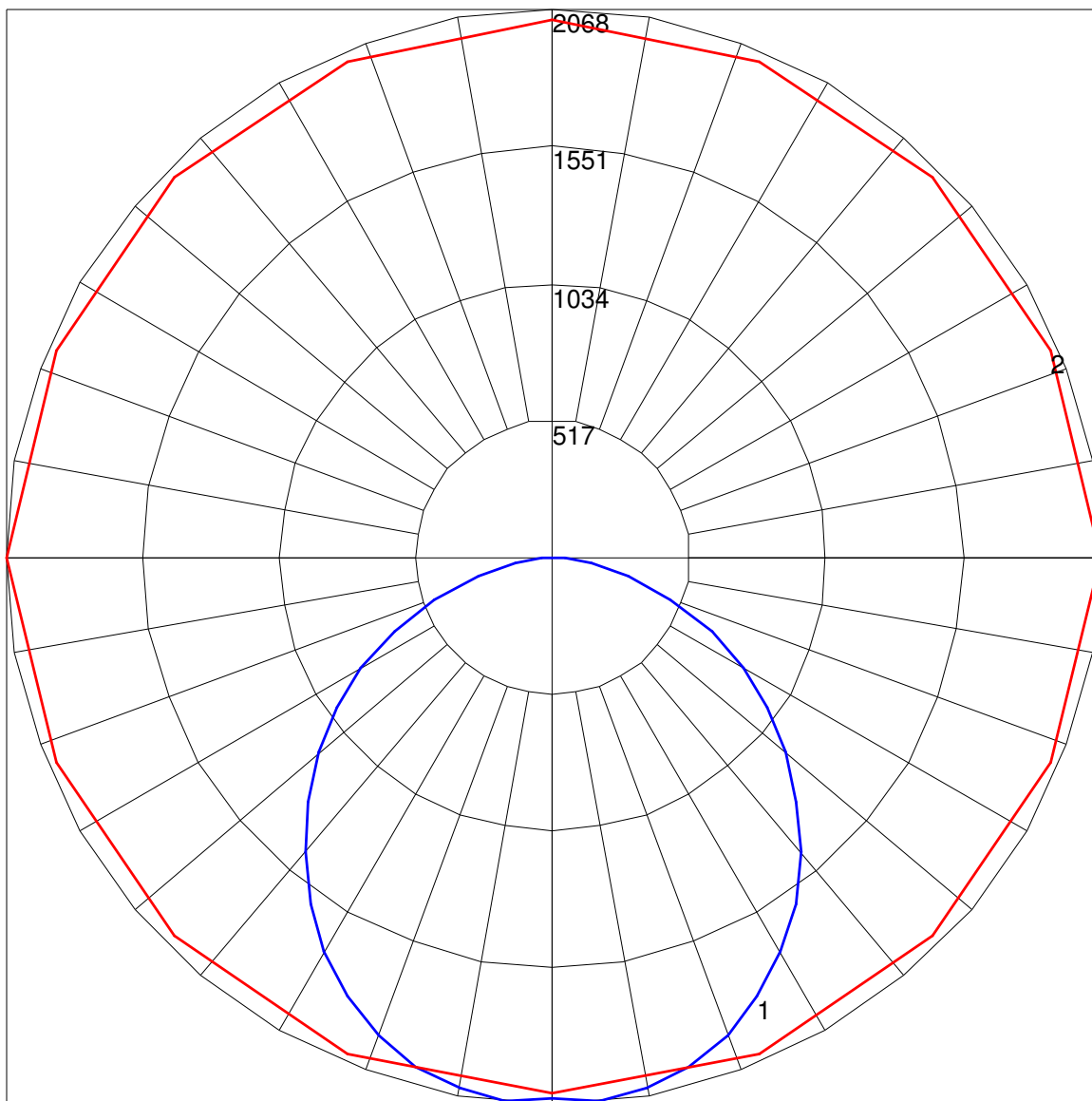
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	86	75	67	61	72	65	60	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	53	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	30
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 2068.461 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)