



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-14-L50-8FS-SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20790.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 03-MAY-2019
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2-84 LED 22"ARRAYS w/WHITE REFLECTOR
 [MORE] FROST SQUARED RIBBED LENS - 1x4 SURFACE LUMINAIRE
 [MORE] ADVANCE #XI075C200V054BST1 @ 1525mA
 [LUMCAT] PTS-14-L50-8FS-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	42.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4572	4430	4398
55	4115	4139	4230
65	3595	3978	4358
75	2902	4017	5012
85	1345	4336	5239

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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	1992.786	1992.786	1992.786	1992.786	1992.786
5	2002.687	1980.685	1969.685	1942.183	1967.485
10	1964.184	1940.533	1926.232	1923.482	1927.332
15	1899.280	1876.178	1863.527	1859.127	1855.827
20	1812.924	1790.372	1769.471	1759.020	1760.670
25	1705.117	1686.415	1677.615	1650.113	1639.662
30	1579.158	1559.907	1540.105	1525.254	1517.004
35	1448.249	1430.648	1406.996	1386.645	1375.094
40	1298.089	1283.788	1259.036	1243.085	1233.734
45	1152.879	1136.378	1117.126	1108.326	1108.876
50	999.418	994.468	973.567	977.417	982.367
55	841.558	841.558	846.508	859.709	865.209
60	694.698	697.998	720.549	743.101	756.852
65	541.787	561.588	599.541	638.594	656.745
70	394.927	427.929	482.383	534.637	556.088
75	267.868	301.971	370.725	438.380	462.582
80	140.260	198.564	270.068	341.573	364.125
85	41.803	94.056	134.759	152.910	162.811
90	0.000	1.650	2.200	3.850	2.200

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	713.04	N.A.	13.90
0-30	1481.54	N.A.	29.00
0-40	2362.08	N.A.	46.20
0-60	3991.95	N.A.	78.00
0-80	4978.45	N.A.	97.30
0-90	5117.23	N.A.	100.00
10-90	4930.23	N.A.	96.30
20-40	1649.04	N.A.	32.20
20-50	2516.65	N.A.	49.20
40-70	2224.58	N.A.	43.50
60-80	986.50	N.A.	19.30
70-80	391.79	N.A.	7.70
80-90	138.79	N.A.	2.70
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	5117.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	187.00
10-20	526.04
20-30	768.49
30-40	880.54
40-50	867.62
50-60	762.25
60-70	594.71
70-80	391.79
80-90	138.79
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

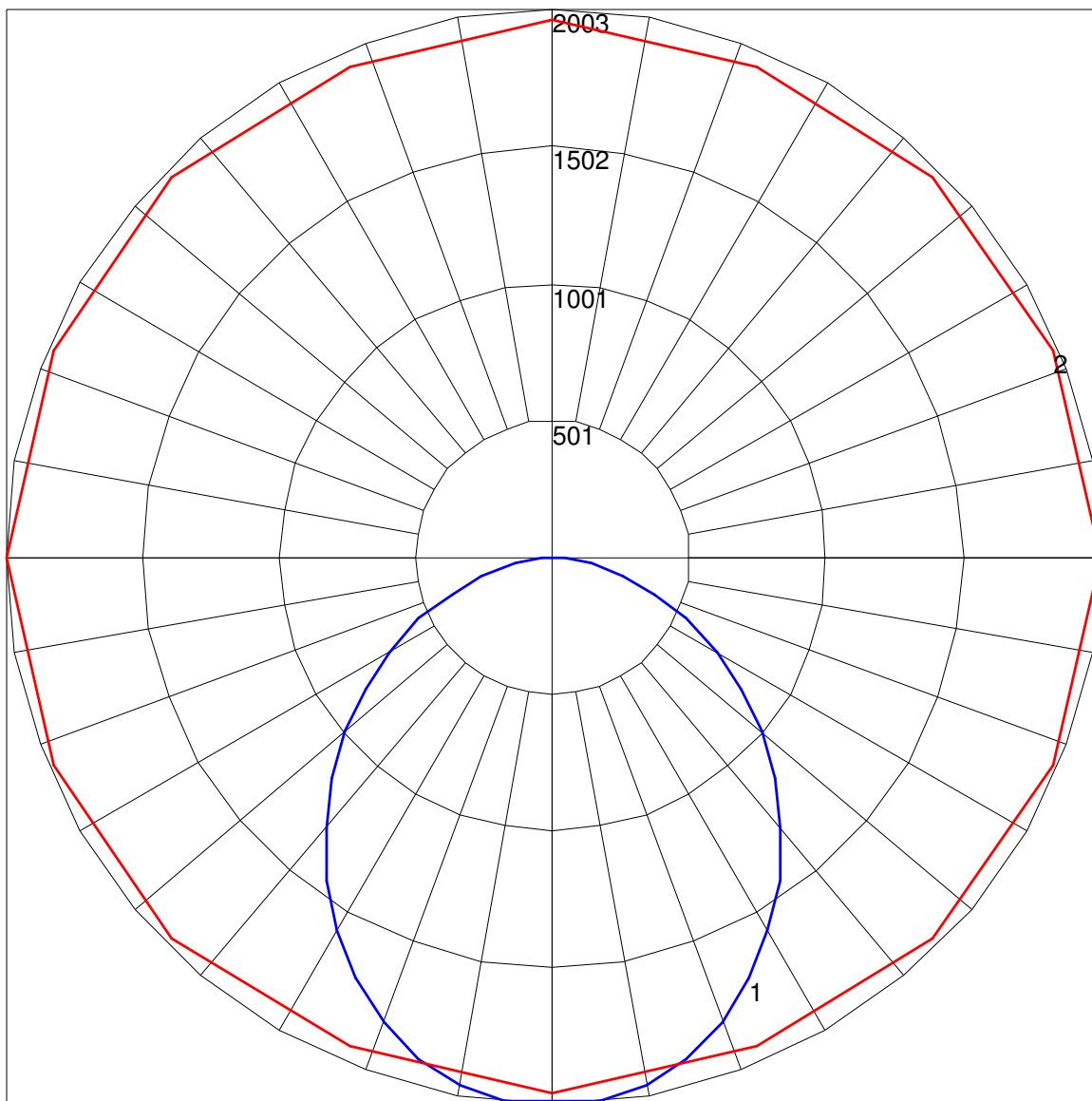
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 2002.687 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.)