IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-24-L62-8FS-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
[ISSUEDATE] 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 - 2x4 RECESSED LUMINAIRE
[MORE] ADVANCE #XI075C200V054BST1 @ 1525mA
[LUMCAT] PT-24-L62-8FS-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6394
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	208
Total Luminaire Watts	30.8
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)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2826	2739	2718
55	2543	2558	2615
65	2222	2459	2694
75	1794	2483	3098
85	831	2680	3238

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	2490.088	2490.088	2490.088	2490.088	2490.088
5	2502.459	2474.967	2461.221	2426.856	2458.472
10	2454.348	2424.794	2406.925	2403.488	2408.299
15	2373.247	2344.380	2328.572	2323.074	2318.950
20	2265.341	2237.162	2211.044	2197.985	2200.047
25	2130.630	2107.262	2096.265	2061.900	2048.841
30	1973.238	1949.183	1924.440	1905.883	1895.573
35	1809.661	1787.667	1758.113	1732.683	1718.250
40	1622.028	1604.158	1573.230	1553.298	1541.614
45	1440.581	1419.962	1395.906	1384.910	1385.597
50	1248.824	1242.638	1216.521	1221.332	1227.518
55	1051.569	1051.569	1057.755	1074.250	1081.123
60	868.060	872.184	900.363	928.542	945.725
65	676.991	701.733	749.157	797.955	820.636
70	493.481	534.719	602.762	668.056	694.860
75	334.715	377.328	463.240	547.778	578.019
80	175.262	248.115	337.464	426.813	454.993
85	52.235	117.528	168.389	191.069	203.441
90	0.000	2.062	2.749	4.811	2.749

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	890.98	N.A.	13.90
0-30	1851.26	N.A.	29.00
0-40	2951.54	N.A.	46.20
0-60	4988.14	N.A.	78.00
0-80	6220.82	N.A.	97.30
0-90	6394.24	N.A.	100.00
10-90	6160.57	N.A.	96.30
20-40	2060.56	N.A.	32.20
20-50	3144.69	N.A.	49.20
40-70	2779.72	N.A.	43.50
60-80	1232.68	N.A.	19.30
70-80	489.56	N.A.	7.70
80-90	173.42	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	6394.24	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	233.67
10-20	657.31
20-30	960.27
30-40	1100.29
40-50	1084.13
50-60	952.47
60-70	743.12
70-80	489.56
80-90	173.42
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	201	201	201	201	196	196	196	196	188	188	188	180	180	180	172	172	172	169
1	183	175	167	161	179	171	164	158	164	158	153	157	153	148	151	147	144	140
2	167	152	141	131	162	149	138	129	143	134	126	138	130	123	133	126	121	117
3	152	134	120	109	148	131	119	108	126	115	106	122	112	104	117	109	103	99
4	139	119	104	93	136	117	103	92	113	100	91	109	98	90	105	96	88	85
5	128	107	91	80	125	105	90	80	101	89	79	98	87	78	95	85	77	74
6	119	96	81	70	116	95	80	70	92	79	69	89	77	69	86	76	68	65
7	110	87	73	62	107	86	72	62	84	71	62	81	70	61	79	69	61	57
8	103	80	66	56	100	79	65	56	77	64	55	75	63	55	73	62	55	51
9	96	74	60	50	94	73	59	50	71	59	50	69	58	50	67	57	50	46
10	90	68	55	46	88	67	54	46	65	54	46	64	53	45	62	52	45	42

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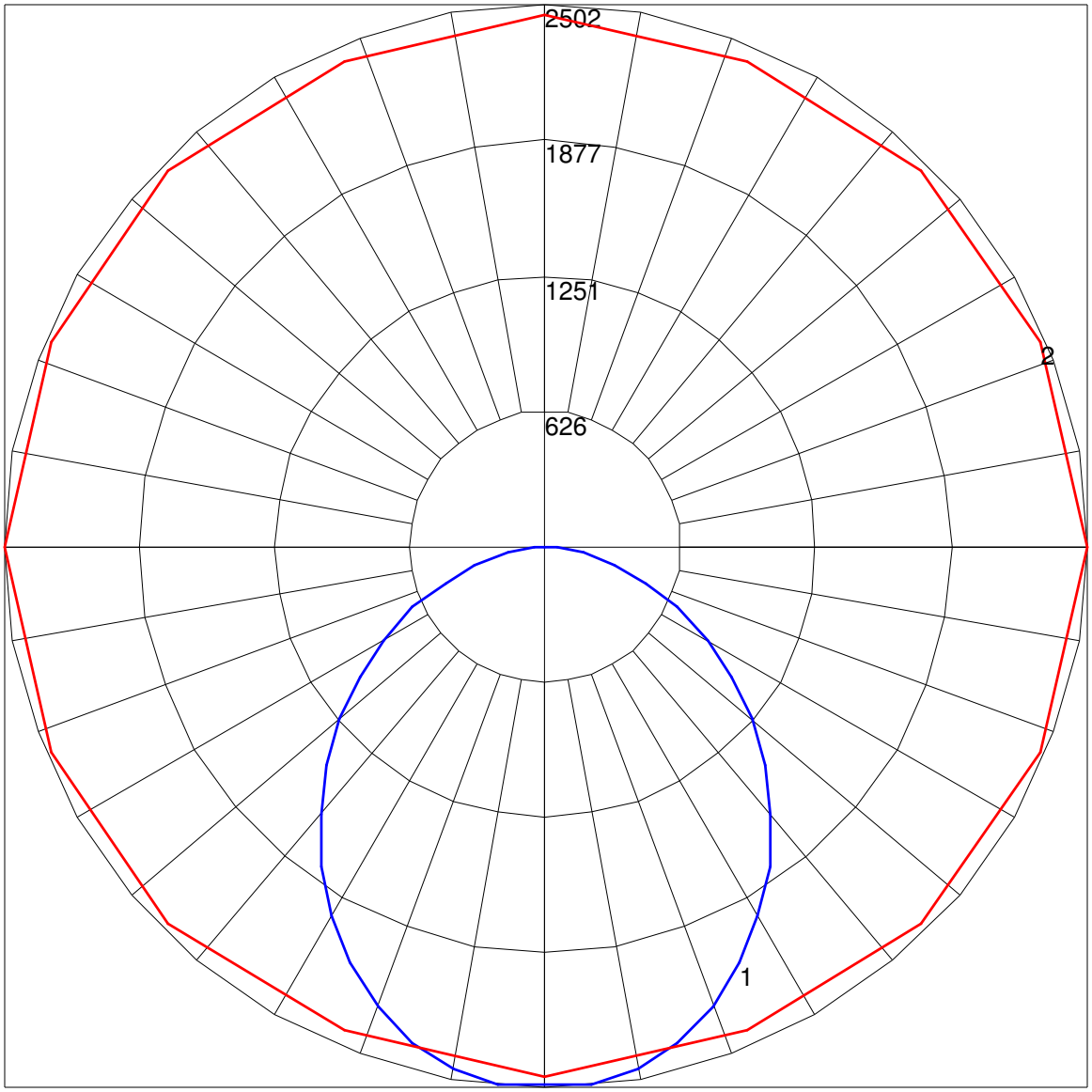
POLAR GRAPH



Maximum Candela = 2502.459 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.)