



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-42-03-08-P11-8TW-S-XXXX-XXXX-POE 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20584.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 12-SEP-2017
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2 LED 22"ARRAYS 3'8" PERIMETER LUMINAIRE
 [MORE] WHITE ASYM REFLECTOR w/OPEN BOTTOM
 [LUMCAT] PXF-42-03-08-P11-8TW-S-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3886
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	38.168
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10368	13272	15738
55	8352	10379	15740
65	6500	7986	15240
75	3948	5180	13620
85	0	861	3765

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	1731.272	1731.272	1731.272	1731.272	1731.272	1731.272	1731.272	1731.272	1731.272
5	1685.233	1699.152	1717.353	1743.049	1770.887	1753.756	1749.473	1674.526	1720.565
10	1649.901	1662.749	1686.304	1724.848	1761.251	1740.908	1728.060	1652.042	1693.798
15	1599.580	1615.640	1644.548	1682.021	1730.201	1706.646	1688.445	1607.074	1638.124
20	1546.046	1562.106	1586.732	1632.770	1685.233	1658.466	1626.346	1525.703	1532.127
25	1487.159	1503.219	1523.562	1571.742	1629.558	1597.438	1537.481	1371.527	1339.407
30	1421.849	1430.414	1444.333	1493.583	1556.753	1519.279	1403.647	1102.789	988.228
35	1225.916	1309.428	1364.032	1400.435	1475.382	1426.131	1162.747	754.822	632.765
40	1013.924	1073.881	1268.743	1307.287	1382.234	1305.146	859.747	437.904	648.825
45	837.263	894.009	1071.740	1200.220	1270.884	1161.676	547.112	285.869	271.950
50	679.875	722.702	859.747	1071.740	1161.676	974.309	502.144	236.618	233.406
55	547.112	573.879	679.875	945.401	1031.054	724.843	226.982	201.286	207.710
60	420.773	451.822	522.486	765.528	894.009	442.186	184.155	189.508	201.286
65	313.706	331.907	385.441	543.900	735.550	248.395	159.530	177.731	187.367
70	203.427	216.275	267.667	353.321	576.020	134.904	143.470	152.035	154.176
75	116.703	125.268	153.106	214.134	402.572	97.431	113.491	114.562	112.420
80	46.039	55.675	68.523	100.643	206.639	73.876	71.735	69.593	66.381
85	0.000	2.141	8.565	20.343	37.473	26.767	25.696	22.484	24.625
90	0.000	0.000	0.000	0.000	0.000	0.000	1.071	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	632.63	N.A.	16.30
0-30	1328.55	N.A.	34.20
0-40	2096.12	N.A.	53.90
0-60	3319.69	N.A.	85.40
0-80	3851.61	N.A.	99.10
0-90	3886.14	N.A.	100.00
10-90	3722.11	N.A.	95.80
20-40	1463.49	N.A.	37.70
20-50	2148.77	N.A.	55.30
40-70	1577.62	N.A.	40.60
60-80	531.92	N.A.	13.70
70-80	177.87	N.A.	4.60
80-90	34.53	N.A.	0.90
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	3886.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

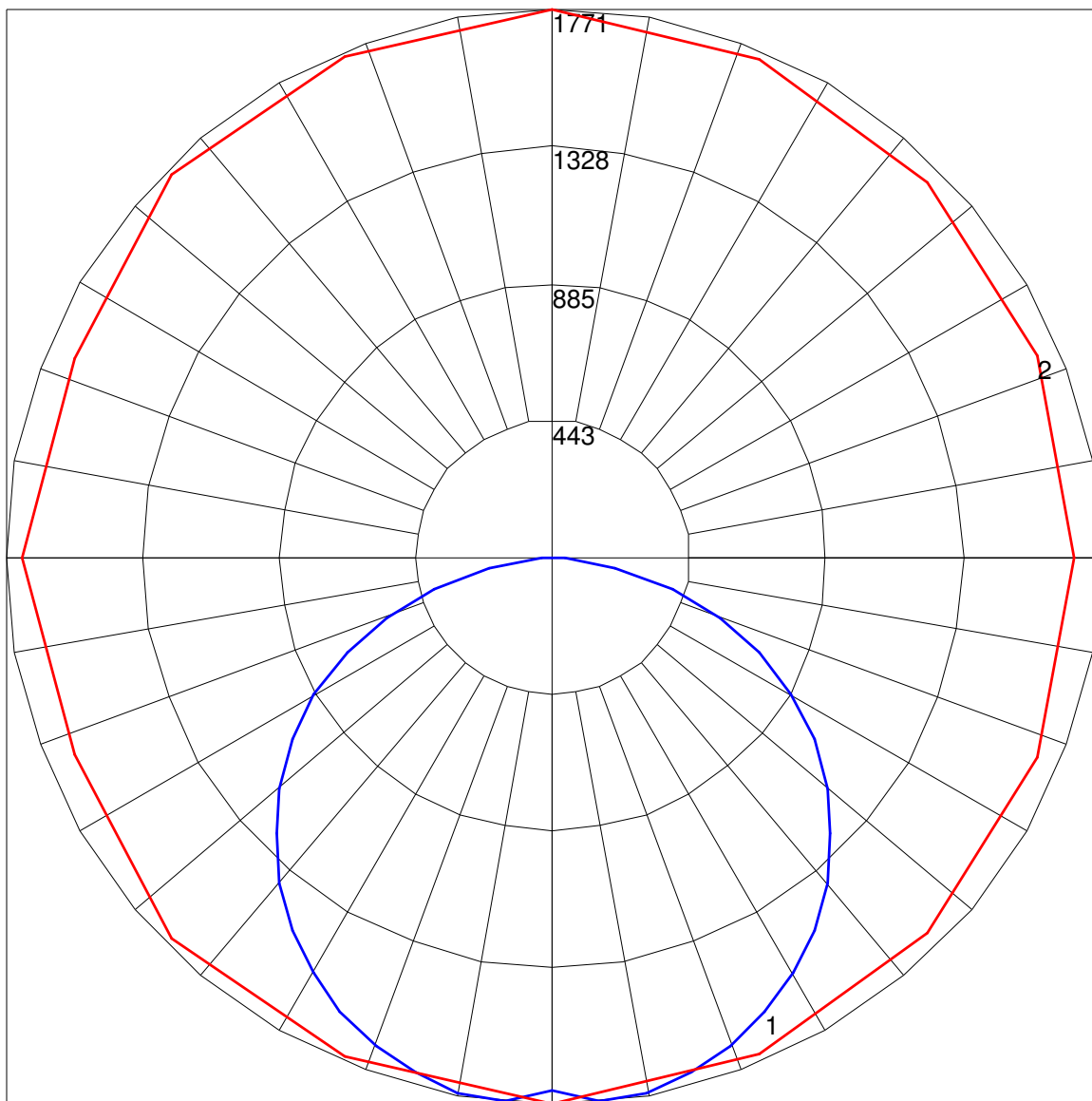
Zone	Lumens
0-10	164.03
10-20	468.60
20-30	695.92
30-40	767.56
40-50	685.28
50-60	538.29
60-70	354.05
70-80	177.87
80-90	34.53
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	185	185	185	185	181	181	181	181	173	173	173	165	165	165	158	158	158	155
1	171	164	158	153	167	161	155	151	154	150	146	148	145	141	143	140	137	134
2	157	145	136	128	153	142	134	126	137	130	123	132	126	121	127	122	118	115
3	144	129	118	108	141	127	116	107	122	113	106	118	110	104	114	108	102	99
4	133	116	103	93	129	114	102	93	110	100	92	106	98	90	103	95	89	86
5	123	104	91	82	120	103	90	81	99	89	80	96	87	80	94	85	79	76
6	114	95	82	72	111	93	81	72	90	79	71	88	78	71	85	77	70	67
7	106	86	73	64	104	85	73	64	83	72	64	81	71	63	79	70	63	60
8	99	79	67	58	97	78	66	58	76	65	57	74	64	57	72	64	57	54
9	93	73	61	53	91	72	60	52	70	60	52	69	59	52	67	58	52	49
10	87	68	56	48	85	67	56	48	65	55	48	64	54	48	63	54	47	45

POLAR GRAPH



Maximum Candela = 1770.887 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)