



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-62-03-08-P11-8TW-S-XXXX-XXXX-POE 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20590.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 11-SEP-2018
 [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-62-03-08-P11-8TW-S-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4015
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	38.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	3.68 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9883	9910	10821
55	9605	9694	10772
65	6835	8525	10275
75	3843	5149	8672
85	0	293	1829

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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	1773.654	1773.654	1773.654	1773.654	1773.654	1773.654	1773.654	1773.654	1773.654
5	1728.959	1733.319	1751.852	1783.466	1827.071	1803.088	1788.916	1709.336	1755.122
10	1690.804	1698.435	1721.328	1763.843	1816.170	1790.007	1757.302	1672.272	1707.156
15	1645.018	1647.198	1674.452	1723.508	1779.105	1752.942	1709.336	1607.953	1625.396
20	1590.511	1595.962	1615.584	1666.821	1737.680	1692.984	1633.027	1501.120	1457.514
25	1531.644	1531.644	1551.266	1597.052	1674.452	1619.945	1507.661	1280.912	1164.267
30	1465.145	1464.055	1476.047	1522.923	1604.683	1531.644	1340.870	970.223	755.466
35	1394.286	1387.746	1385.565	1433.531	1521.833	1420.450	1054.163	555.970	357.565
40	1301.625	1297.264	1297.264	1321.247	1422.630	1274.371	692.238	282.346	219.118
45	1194.791	1190.431	1198.062	1216.594	1308.166	1115.211	346.664	188.594	171.152
50	1092.318	1084.687	1084.687	1090.138	1195.881	873.201	197.315	149.349	135.177
55	941.879	975.673	950.600	974.583	1056.344	591.945	146.078	118.825	125.366
60	692.238	727.122	824.144	809.973	916.806	293.247	107.924	111.194	121.005
65	493.832	511.275	615.928	632.280	742.384	125.366	97.022	106.834	115.555
70	318.320	337.943	395.720	514.545	581.044	81.760	90.481	101.383	106.834
75	170.062	185.323	227.839	342.303	383.729	59.958	78.490	85.031	85.031
80	62.138	67.589	89.391	147.169	191.864	45.786	54.507	54.507	53.417
85	0.000	1.090	4.361	21.803	27.253	20.713	22.893	22.893	20.713
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	644.28	N.A.	16.00
0-30	1338.98	N.A.	33.30
0-40	2094.23	N.A.	52.20
0-60	3389.1	N.A.	84.40
0-80	3982.35	N.A.	99.20
0-90	4015.38	N.A.	100.00
10-90	3847.58	N.A.	95.80
20-40	1449.95	N.A.	36.10
20-50	2152.77	N.A.	53.60
40-70	1690.23	N.A.	42.10
60-80	593.25	N.A.	14.80
70-80	197.89	N.A.	4.90
80-90	33.03	N.A.	0.80
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	4015.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

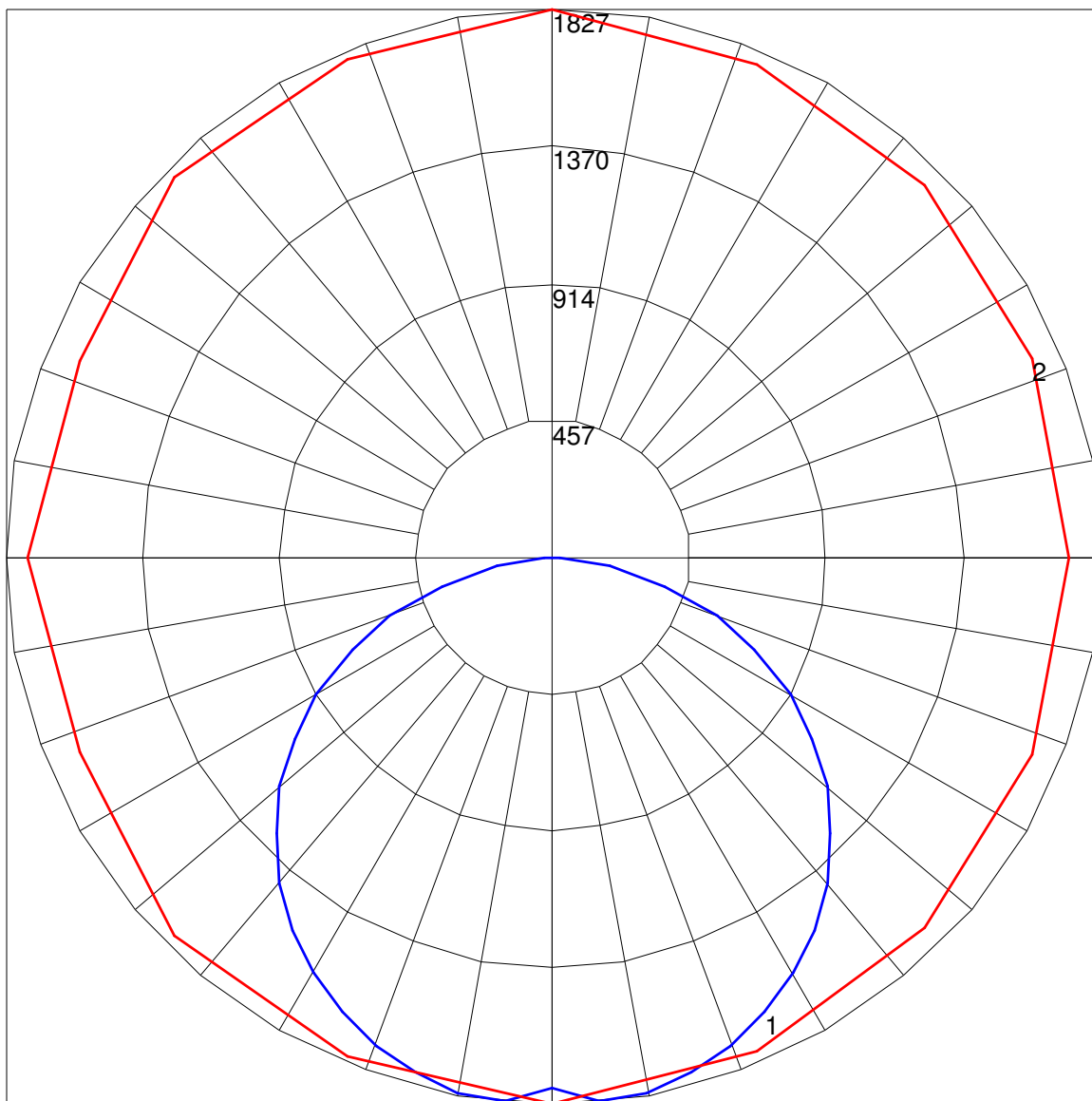
Zone	Lumens
0-10	167.79
10-20	476.49
20-30	694.69
30-40	755.26
40-50	702.82
50-60	592.05
60-70	395.36
70-80	197.89
80-90	33.03
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PXF-62-03-08-P11-8TW-S-XXXX-XXXX-POE 4000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	188	188	188	188	184	184	184	184	176	176	176	168	168	168	162	162	162	158
1	174	167	161	156	170	164	158	153	157	152	148	151	147	144	145	142	139	136
2	159	148	138	129	155	145	135	128	139	131	125	134	128	122	129	124	119	116
3	146	131	119	109	143	128	117	108	124	114	106	120	111	105	116	109	103	100
4	135	117	104	94	131	115	103	93	111	100	92	107	98	91	104	96	90	86
5	124	105	92	82	121	103	91	81	100	89	81	97	87	80	94	86	79	76
6	115	95	82	72	112	94	81	72	91	80	71	88	78	71	86	77	70	67
7	107	87	74	64	105	86	73	64	83	72	64	81	71	63	79	70	63	60
8	100	80	67	58	98	79	66	58	77	65	57	75	64	57	73	64	57	54
9	94	73	61	52	92	72	61	52	71	60	52	69	59	52	67	58	52	49
10	88	68	56	48	86	67	56	48	66	55	48	64	54	47	63	54	47	45

POLAR GRAPH



Maximum Candela = 1827.071 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.)