



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20126.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 29-NOV-2017

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 2 LED 22" ARRAYS 4' RECESSED PERIMETER CONTINUOUS PX

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS

[LUMCAT] PXF-42-03'08-P11-8TW-W-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3894
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	38.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.12
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.32 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	9242	16237	16314
55	5254	10286	13340
65	3544	4789	10609
75	2525	3857	6067
85	625	2395	1562

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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	2199.789	2199.789	2199.789	2199.789	2199.789	2199.789	2199.789	2199.789	2199.789
5	2222.913	2233.972	2233.972	2219.897	2228.945	2215.875	2167.617	2129.412	2112.320
10	2186.719	2246.037	2245.031	2222.913	2222.913	2176.665	2086.180	2010.776	1984.636
15	2106.288	2215.875	2204.816	2201.800	2186.719	2083.164	1928.334	1740.327	1691.063
20	1955.480	2121.369	2112.320	2146.503	2112.320	1960.507	1702.122	1386.430	1269.805
25	1769.483	2003.738	1997.706	2050.992	1993.684	1824.779	1423.629	1050.630	889.768
30	1556.341	1830.812	1846.898	1917.275	1858.962	1631.745	1138.099	726.896	621.330
35	1328.118	1611.637	1676.987	1763.451	1693.073	1356.268	815.370	510.737	455.441
40	1025.496	1304.994	1504.060	1592.535	1494.007	1135.083	581.114	386.069	337.810
45	723.879	917.919	1271.816	1382.409	1277.848	911.887	429.301	287.541	247.325
50	485.602	581.114	970.199	1153.180	1057.668	682.658	313.681	211.131	173.932
55	333.789	401.150	653.502	936.016	847.542	491.635	211.131	158.851	161.867
60	223.196	282.514	386.069	717.847	665.567	322.730	139.749	150.808	145.781
65	165.889	191.024	224.202	525.818	496.662	188.008	127.684	130.700	119.641
70	119.641	158.851	147.792	347.864	321.724	106.571	115.620	96.517	89.480
75	72.388	110.593	110.593	182.981	173.932	76.409	81.436	60.323	52.280
80	31.167	67.361	61.329	81.436	83.447	49.264	37.199	23.124	15.081
85	6.032	32.172	23.124	32.172	15.081	12.065	8.043	5.027	2.011
90	3.016	3.016	0.000	3.016	3.016	3.016	2.011	2.011	2.011

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Zone	Lumens	%Lamp	%Fixt
0-20	784.60	N.A.	20.10
0-30	1569.33	N.A.	40.30
0-40	2377.11	N.A.	61.00
0-60	3496.67	N.A.	89.80
0-80	3870.06	N.A.	99.40
0-90	3894.16	N.A.	100.00
10-90	3685.54	N.A.	94.60
20-40	1592.51	N.A.	40.90
20-50	2264.34	N.A.	58.10
40-70	1376.2	N.A.	35.30
60-80	373.39	N.A.	9.60
70-80	116.75	N.A.	3.00
80-90	24.10	N.A.	0.60
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	3894.16	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	208.63
10-20	575.98
20-30	784.72
30-40	807.79
40-50	671.83
50-60	447.73
60-70	256.64
70-80	116.75
80-90	24.10
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-42-03-08-P11-8TW-W-XXXX-XXXX-POE 4000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

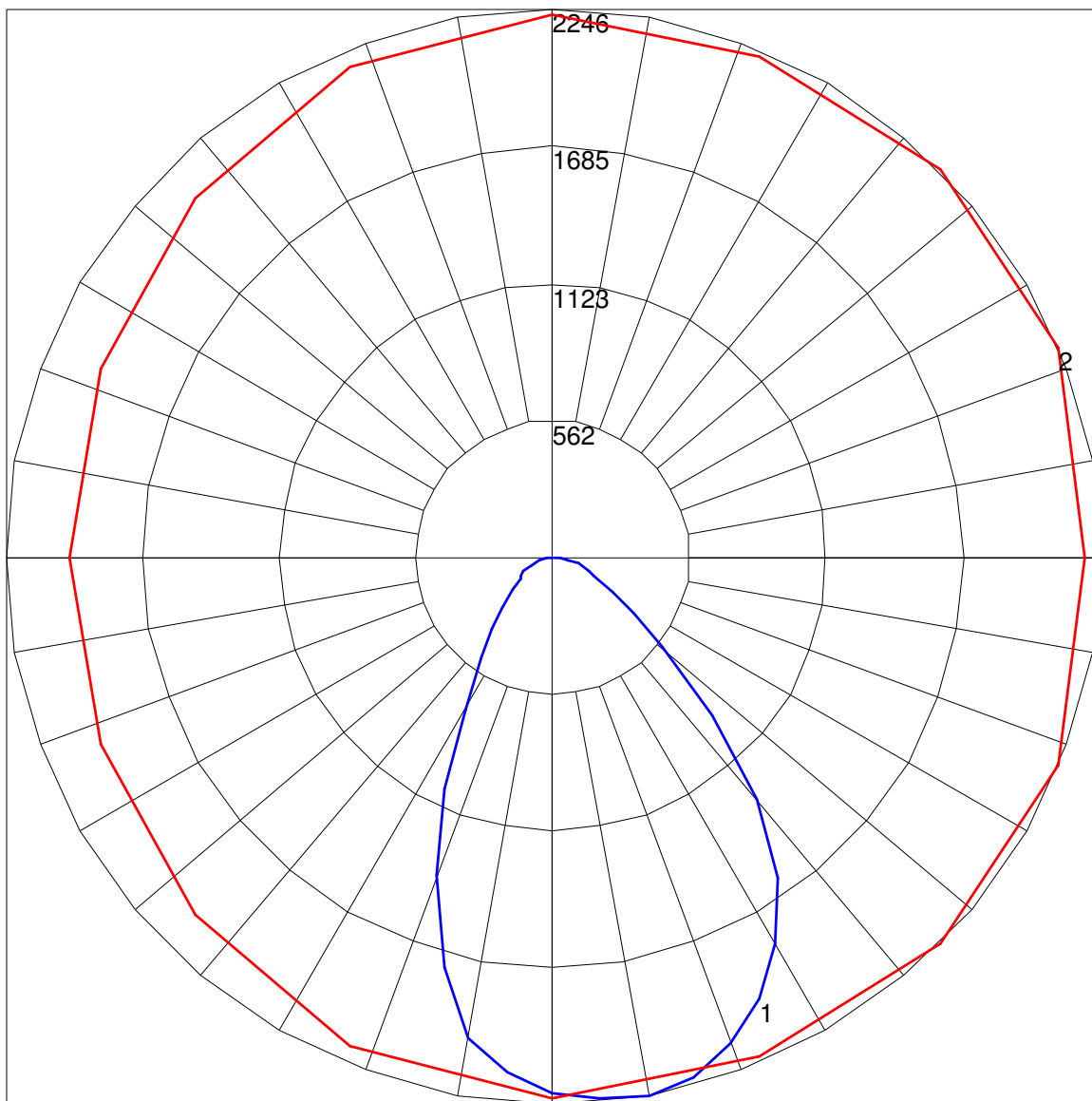
Effective Floor Cavity Reflectance 0.20

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	184	184	184	184	179	179	179	179	171	171	171	164	164	164	157	157	157	154
1	171	165	160	155	167	162	157	152	155	151	148	149	146	143	144	141	139	136
2	158	148	139	132	155	145	137	130	140	133	127	135	129	124	130	126	122	119
3	147	133	122	114	143	130	121	113	126	118	111	122	115	109	118	112	107	104
4	136	120	108	99	133	118	107	99	114	105	97	111	103	96	108	101	95	92
5	126	109	97	88	123	107	96	88	104	94	87	101	93	86	99	91	85	82
6	118	100	87	79	115	98	87	78	96	85	78	93	84	77	91	83	76	74
7	110	91	79	71	108	90	79	71	88	78	70	86	77	70	84	76	69	66
8	103	84	72	64	101	83	72	64	81	71	64	79	70	63	78	69	63	60
9	97	78	67	59	95	77	66	59	75	65	58	74	65	58	72	64	58	55
10	91	73	61	54	89	72	61	54	70	60	54	69	60	53	68	59	53	51

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POLAR GRAPH



Maximum Candela = 2246.037 Located At Horizontal Angle = 22.5, Vertical Angle = 10

1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)