



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-66-03-08-P11-8TW-W-XXXX-XXXX-POE 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20134.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 22-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-66-03-08-P11-8TW-W-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3266
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	38.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	3.71 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3149	5423	10410
55	2305	3064	8542
65	1896	2248	6758
75	1526	1548	3936
85	788	460	854

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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	2209.440	2209.440	2209.440	2209.440	2209.440	2209.440	2209.440	2209.440	2209.440
5	2253.846	2270.621	2256.806	2242.004	2216.347	2242.004	2223.255	2194.638	2179.836
10	2270.621	2281.476	2294.304	2255.819	2203.519	2223.255	2115.694	1882.810	1767.354
15	2217.334	2245.951	2259.766	2230.162	2157.139	2156.153	1661.767	1102.253	869.369
20	2099.905	2131.483	2181.809	2169.968	2077.209	1999.252	866.408	526.950	443.072
25	1916.361	1959.780	2041.684	2075.235	1963.727	1736.764	509.188	312.815	294.066
30	1690.384	1751.566	1853.206	1949.912	1822.615	1312.441	316.762	294.066	298.013
35	986.798	1151.593	1630.189	1806.826	1656.833	858.514	274.330	297.026	301.960
40	524.976	597.999	1236.457	1625.256	1474.275	538.791	274.330	301.960	306.894
45	383.864	383.864	661.154	1392.371	1269.022	348.340	271.369	302.947	303.934
50	312.815	326.630	385.838	1134.817	1055.873	223.016	265.449	286.171	279.264
55	227.950	242.752	302.947	889.105	844.699	203.280	252.620	253.607	239.792
60	171.703	179.597	222.029	527.937	661.154	190.452	220.056	214.135	197.360
65	138.152	134.204	163.808	274.330	492.412	175.650	184.531	176.637	155.914
70	101.640	89.799	111.508	184.531	332.551	148.020	136.178	131.244	112.495
75	68.089	62.168	69.076	110.521	175.650	103.614	88.812	89.799	75.983
80	34.538	34.538	30.591	52.300	62.168	54.274	44.406	46.379	39.472
85	11.842	11.842	6.908	19.736	12.828	15.789	14.802	14.802	14.802
90	1.974	0.987	1.974	1.974	2.960	2.960	2.960	0.000	0.987

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Zone	Lumens	%Lamp	%Fixt
0-20	746.63	N.A.	22.90
0-30	1421.46	N.A.	43.50
0-40	2072.44	N.A.	63.50
0-60	2921.21	N.A.	89.40
0-80	3245.55	N.A.	99.40
0-90	3265.86	N.A.	100.00
10-90	3055.63	N.A.	93.60
20-40	1325.8	N.A.	40.60
20-50	1816.51	N.A.	55.60
40-70	1069.45	N.A.	32.70
60-80	324.35	N.A.	9.90
70-80	103.66	N.A.	3.20
80-90	20.31	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	3265.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.23
10-20	536.40
20-30	674.83
30-40	650.98
40-50	490.71
50-60	358.06
60-70	220.68
70-80	103.66
80-90	20.31
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-66-03-08-P11-8TW-W-XXXX-XXXX-POE 4000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

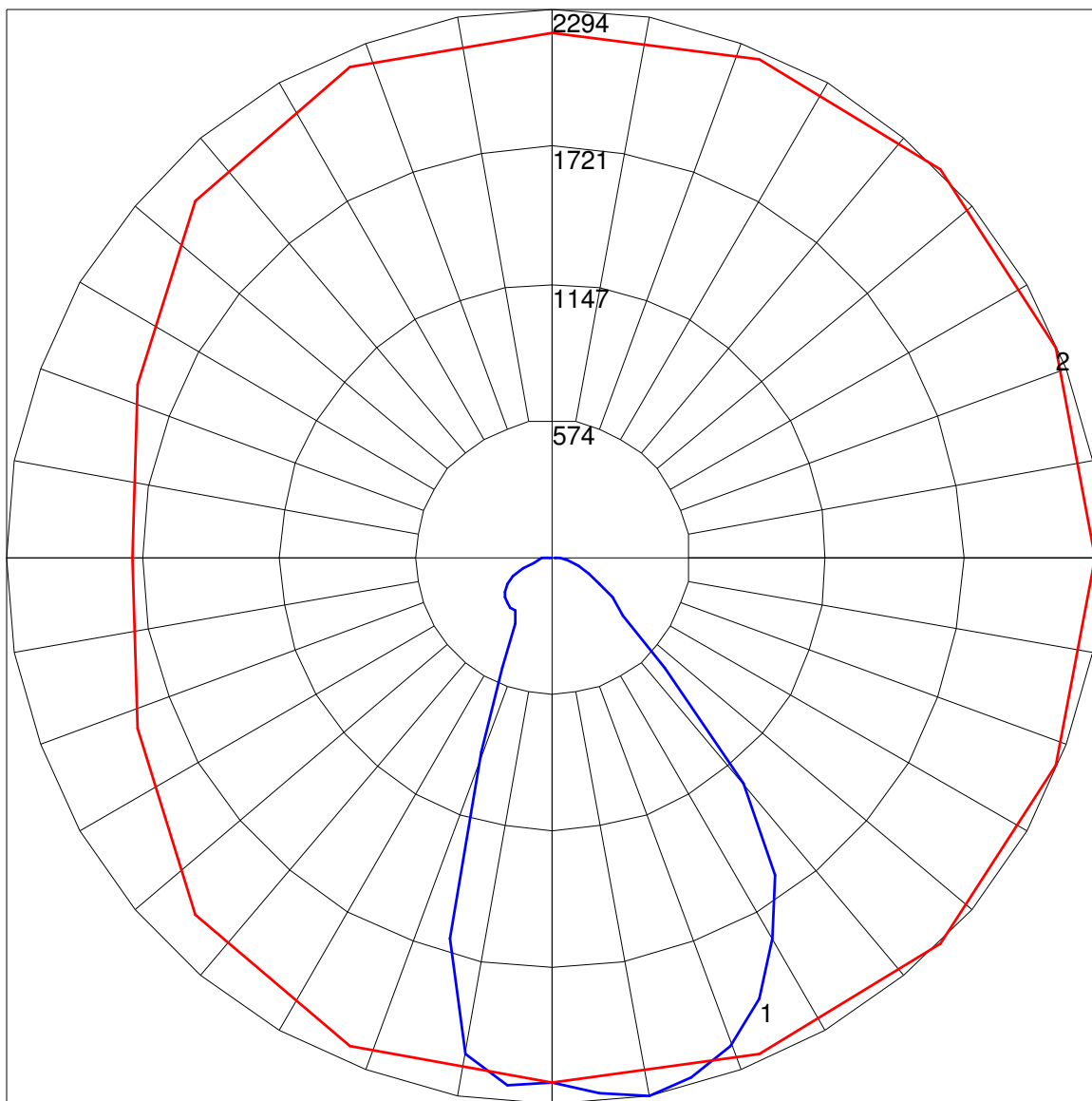
Effective Floor Cavity Reflectance 0.20

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	176	176	176	176	172	172	172	172	164	164	164	157	157	157	151	151	151	148
1	164	158	153	149	160	155	150	146	149	145	142	143	140	137	138	136	133	130
2	152	142	134	127	148	139	132	125	134	128	122	130	124	120	125	121	117	114
3	141	128	118	110	138	126	116	109	122	114	107	118	111	105	114	109	104	101
4	131	116	105	97	128	114	104	96	111	102	95	107	100	94	104	98	92	90
5	122	106	94	86	119	104	94	86	101	92	85	99	90	84	96	89	83	80
6	114	97	86	77	111	96	85	77	93	84	76	91	82	76	89	81	75	73
7	107	89	78	70	104	88	78	70	86	76	69	84	75	69	82	75	69	66
8	100	83	72	64	98	82	71	64	80	70	64	78	70	63	77	69	63	60
9	95	77	66	59	93	76	66	59	75	65	58	73	64	58	72	64	58	56
10	89	72	61	54	88	71	61	54	70	60	54	68	60	54	67	59	54	51

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POLAR GRAPH



Maximum Candela = 2294.304 Located At Horizontal Angle = 45, Vertical Angle = 10

1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)

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