



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-62-03-08-P6-8TW-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-P6-8TW-S-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2155
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	19.1
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	5303	5318	5806
55	5154	5201	5780
65	3667	4574	5513
75	2062	2763	4653
85	0	157	981

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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	951.678	951.678	951.678	951.678	951.678	951.678	951.678	951.678	951.678
5	927.696	930.035	939.979	956.942	980.339	967.471	959.867	917.167	941.734
10	907.223	911.318	923.601	946.413	974.490	960.452	942.904	897.280	915.997
15	882.656	883.826	898.449	924.771	954.602	940.564	917.167	862.769	872.128
20	853.410	856.335	866.863	894.355	932.375	908.393	876.222	805.446	782.049
25	821.824	821.824	832.353	856.919	898.449	869.203	808.955	687.290	624.703
30	786.143	785.558	791.992	817.144	861.014	821.824	719.461	520.586	405.355
35	748.123	744.613	743.443	769.180	816.559	762.161	565.625	298.313	191.856
40	698.404	696.064	696.064	708.933	763.331	683.781	371.429	151.496	117.571
45	641.081	638.741	642.836	652.780	701.914	598.381	186.007	101.193	91.834
50	586.098	582.003	582.003	584.928	641.666	468.527	105.872	80.135	72.531
55	505.378	523.511	510.057	522.926	566.795	317.616	78.380	63.757	67.267
60	371.429	390.147	442.206	434.601	491.924	157.346	57.908	59.663	64.927
65	264.972	274.331	330.484	339.258	398.336	67.267	52.059	57.323	62.002
70	170.799	181.328	212.329	276.086	311.767	43.870	48.549	54.398	57.323
75	91.249	99.438	122.250	183.667	205.895	32.171	42.115	45.624	45.624
80	33.341	36.266	47.964	78.965	102.947	24.567	29.246	29.246	28.661
85	0.000	0.585	2.340	11.699	14.623	11.114	12.283	12.283	11.114
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PXF-62-03-08-P6-8TW-S-XXXX-XXXX-POE 4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	345.70	N.A.	16.00
0-30	718.45	N.A.	33.30
0-40	1123.69	N.A.	52.20
0-60	1818.47	N.A.	84.40
0-80	2136.78	N.A.	99.20
0-90	2154.5	N.A.	100.00
10-90	2064.47	N.A.	95.80
20-40	777.99	N.A.	36.10
20-50	1155.09	N.A.	53.60
40-70	906.92	N.A.	42.10
60-80	318.32	N.A.	14.80
70-80	106.18	N.A.	4.90
80-90	17.72	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	2154.5	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.03
10-20	255.67
20-30	372.75
30-40	405.24
40-50	377.10
50-60	317.67
60-70	212.14
70-80	106.18
80-90	17.72
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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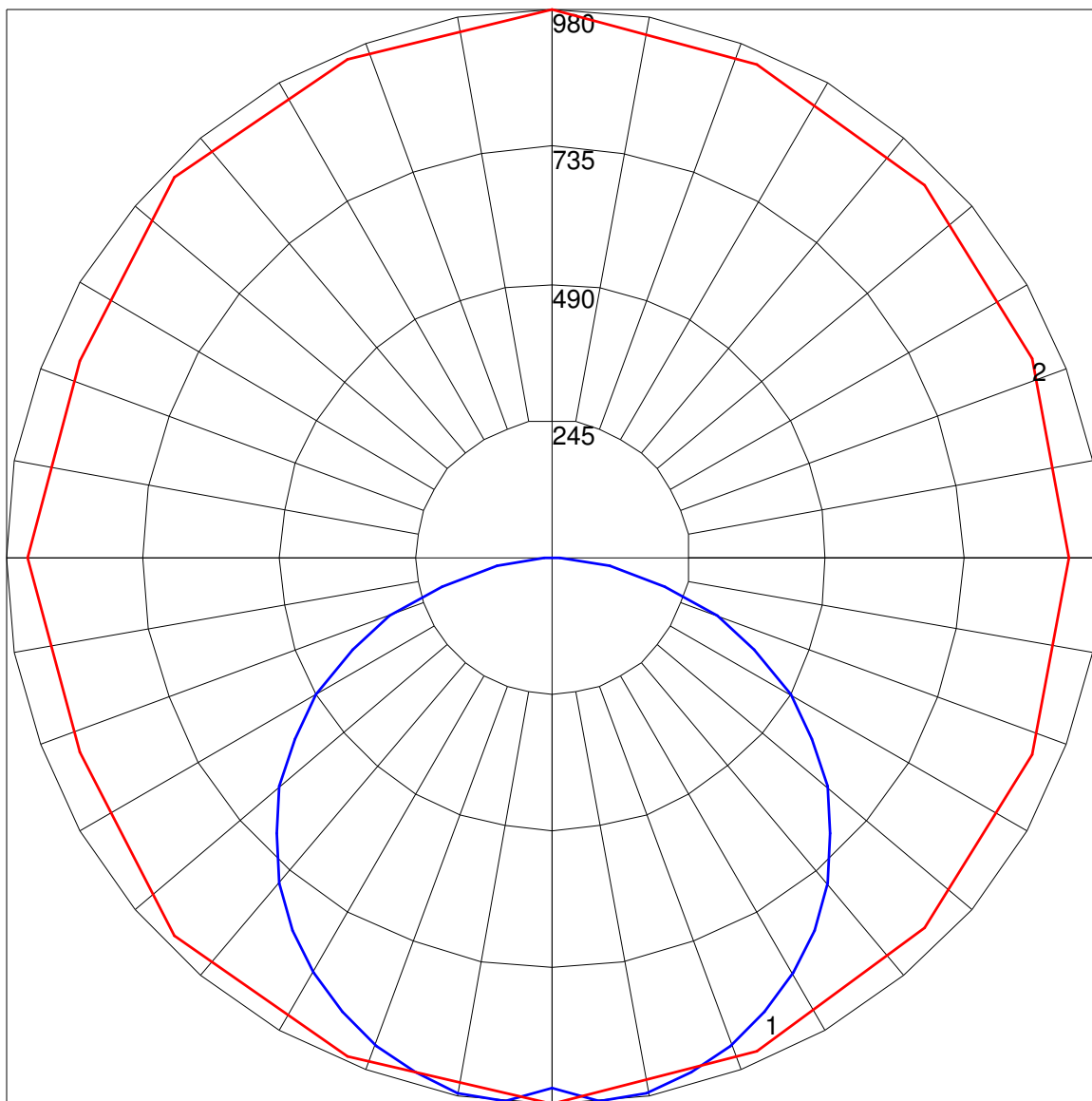
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	101	99	99	99	99	94	94	94	90	90	90	87	87	87	85
1	93	90	86	83	91	88	85	82	84	82	80	81	79	77	78	76	75	73
2	86	79	74	69	83	78	73	69	75	70	67	72	68	65	69	67	64	62
3	79	70	64	59	77	69	63	58	66	61	57	64	60	56	62	58	55	53
4	72	63	56	50	70	62	55	50	60	54	49	58	53	49	56	52	48	46
5	67	56	49	44	65	56	49	44	54	48	43	52	47	43	51	46	42	41
6	62	51	44	39	60	50	44	39	49	43	38	47	42	38	46	41	38	36
7	58	47	40	35	56	46	39	34	45	39	34	43	38	34	42	37	34	32
8	54	43	36	31	52	42	36	31	41	35	31	40	35	31	39	34	30	29
9	50	39	33	28	49	39	32	28	38	32	28	37	32	28	36	31	28	26
10	47	36	30	26	46	36	30	26	35	29	26	34	29	25	34	29	25	24

POLAR GRAPH



Maximum Candela = 980.339 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.)