



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-66-03-08-P6-8TW-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-P6-8TW-W-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1794
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	19.1
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	1730	2980	5719
55	1267	1683	4693
65	1042	1235	3713
75	838	851	2163
85	433	253	469

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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	1213.950	1213.950	1213.950	1213.950	1213.950	1213.950	1213.950	1213.950	1213.950
5	1238.349	1247.566	1239.975	1231.842	1217.746	1231.842	1221.541	1205.818	1197.685
10	1247.566	1253.530	1260.578	1239.433	1210.697	1221.541	1162.443	1034.487	971.052
15	1218.288	1234.011	1241.602	1225.336	1185.215	1184.672	913.038	605.620	477.664
20	1153.768	1171.118	1198.769	1192.263	1141.298	1098.465	476.038	289.526	243.441
25	1052.922	1076.778	1121.779	1140.213	1078.947	954.244	279.767	171.872	161.571
30	928.761	962.377	1018.222	1071.356	1001.414	721.105	174.041	161.571	163.740
35	542.184	632.729	895.688	992.739	910.327	471.700	150.727	163.197	165.908
40	288.442	328.564	679.357	892.977	810.023	296.033	150.727	165.908	168.619
45	210.910	210.910	363.263	765.022	697.249	191.391	149.101	166.451	166.993
50	171.872	179.463	211.994	623.512	580.137	122.534	145.848	157.233	153.438
55	125.245	133.377	166.451	488.508	464.110	111.690	138.799	139.341	131.751
60	94.340	98.678	121.991	290.069	363.263	104.642	120.907	117.654	108.437
65	75.906	73.737	90.003	150.727	270.550	96.509	101.388	97.051	85.665
70	55.845	49.339	61.267	101.388	182.716	81.328	74.821	72.110	61.809
75	37.411	34.158	37.953	60.725	96.509	56.929	48.797	49.339	41.748
80	18.976	18.976	16.808	28.736	34.158	29.820	24.398	25.483	21.687
85	6.506	6.506	3.795	10.844	7.048	8.675	8.133	8.133	8.133
90	1.084	0.542	1.084	1.084	1.627	1.627	1.627	0.000	0.542

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Zone	Lumens	%Lamp	%Fixt
0-20	410.23	N.A.	22.90
0-30	781.00	N.A.	43.50
0-40	1138.68	N.A.	63.50
0-60	1605.02	N.A.	89.40
0-80	1783.23	N.A.	99.40
0-90	1794.39	N.A.	100.00
10-90	1678.88	N.A.	93.60
20-40	728.45	N.A.	40.60
20-50	998.06	N.A.	55.60
40-70	587.60	N.A.	32.70
60-80	178.21	N.A.	9.90
70-80	56.96	N.A.	3.20
80-90	11.16	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	1794.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.51
10-20	294.72
20-30	370.77
30-40	357.67
40-50	269.61
50-60	196.73
60-70	121.25
70-80	56.96
80-90	11.16
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-P6-8TW-W-XXXX-XXXX-POE 4000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

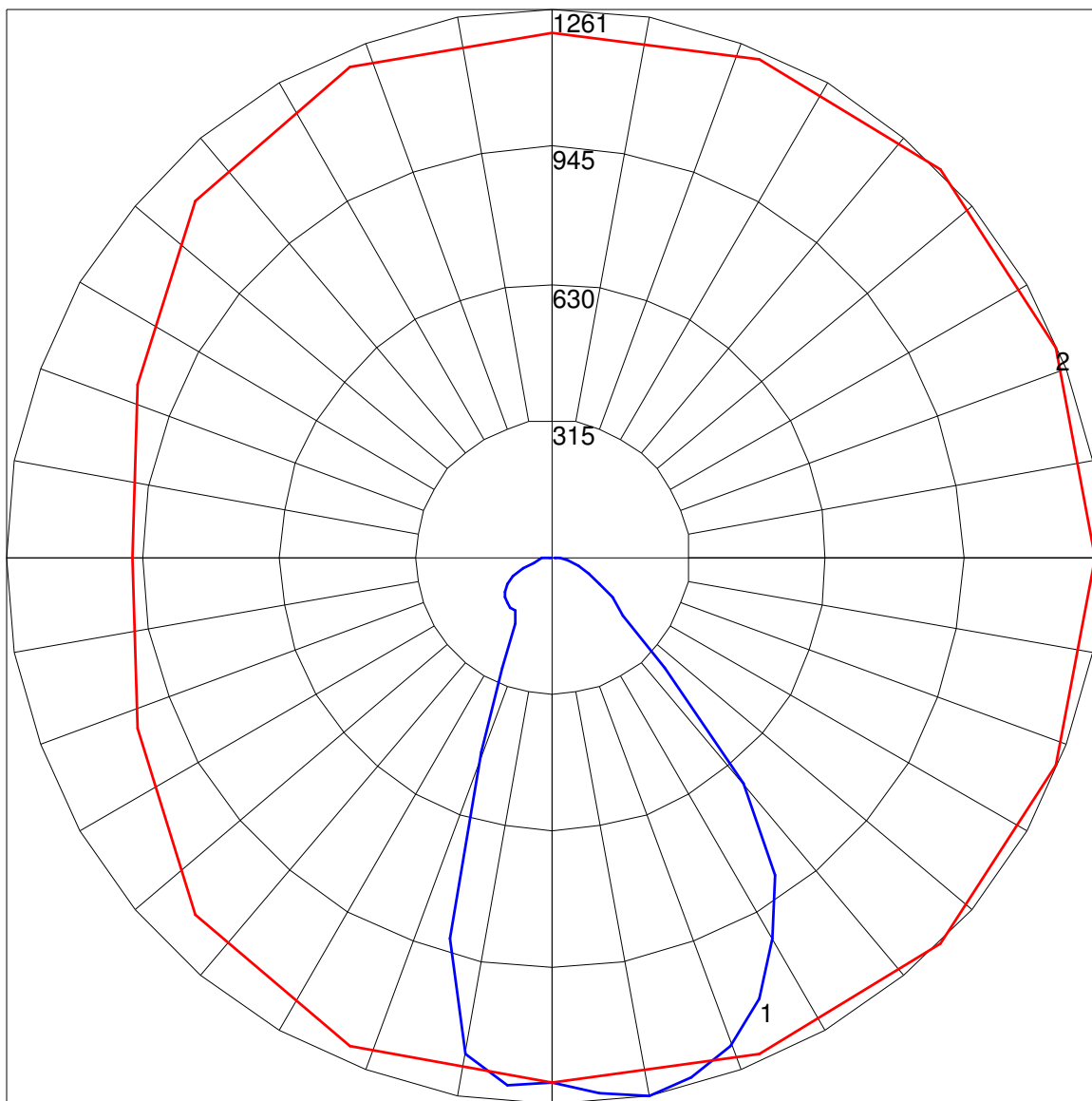
Effective Floor Cavity Reflectance 0.20

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	97	97	97	97	94	94	94	94	90	90	90	86	86	86	83	83	83	81
1	90	87	84	82	88	85	83	80	82	80	78	79	77	75	76	74	73	72
2	83	78	73	70	81	77	72	69	74	70	67	71	68	66	69	66	64	63
3	77	70	65	60	76	69	64	60	67	62	59	65	61	58	63	60	57	55
4	72	64	58	53	70	63	57	53	61	56	52	59	55	51	57	54	51	49
5	67	58	52	47	66	57	51	47	56	51	47	54	50	46	53	49	46	44
6	63	53	47	43	61	53	47	42	51	46	42	50	45	42	49	45	41	40
7	59	49	43	39	57	48	43	38	47	42	38	46	41	38	45	41	38	36
8	55	45	39	35	54	45	39	35	44	39	35	43	38	35	42	38	35	33
9	52	42	36	32	51	42	36	32	41	36	32	40	35	32	39	35	32	31
10	49	39	34	30	48	39	34	30	38	33	30	38	33	30	37	33	29	28

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POLAR GRAPH



Maximum Candela = 1260.578 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.)