



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-66-03-08-L7-8TW-W-XXXX-XXXX-DIM 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] 2-56 LED 22"ARRAYS 4'RECESSED PERIMETER CONTINUOUS PX
 [MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS
 [LUMCAT] PXF-66-03-08-L7-8TW-W-xxxx-xxxx-DIM 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	25.7
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	2133	3674	7053
55	1562	2076	5787
65	1285	1523	4579
75	1034	1049	2667
85	534	311	578

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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	1496.951	1496.951	1496.951	1496.951	1496.951	1496.951	1496.951	1496.951	1496.951
5	1527.037	1538.403	1529.042	1519.014	1501.631	1519.014	1506.311	1486.922	1476.893
10	1538.403	1545.757	1554.448	1528.374	1492.939	1506.311	1433.436	1275.651	1197.427
15	1502.299	1521.688	1531.048	1510.991	1461.516	1460.847	1125.889	746.804	589.019
20	1422.738	1444.133	1478.230	1470.207	1407.361	1354.543	587.013	357.022	300.192
25	1298.382	1327.800	1383.292	1406.024	1330.474	1176.701	344.987	211.940	199.237
30	1145.278	1186.729	1255.593	1321.114	1234.867	889.211	214.614	199.237	201.911
35	668.580	780.233	1104.494	1224.170	1122.546	581.665	185.865	201.243	204.585
40	355.685	405.159	837.731	1101.151	998.859	365.045	185.865	204.585	207.928
45	260.078	260.078	447.949	943.366	859.794	236.009	183.859	205.254	205.923
50	211.940	221.300	261.415	768.867	715.381	151.099	179.848	193.888	189.208
55	154.442	164.471	205.254	602.391	572.304	137.727	171.156	171.825	162.465
60	116.333	121.682	150.430	357.690	447.949	129.036	149.093	145.082	133.716
65	93.601	90.927	110.984	185.865	333.621	119.007	125.024	119.676	105.636
70	68.864	60.841	75.550	125.024	225.311	100.287	92.264	88.921	76.218
75	46.132	42.121	46.801	74.881	119.007	70.201	60.172	60.841	51.481
80	23.400	23.400	20.726	35.435	42.121	36.772	30.086	31.423	26.743
85	8.023	8.023	4.680	13.372	8.692	10.697	10.029	10.029	10.029
90	1.337	0.669	1.337	1.337	2.006	2.006	2.006	0.000	0.669

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Zone	Lumens	%Lamp	%Fixt
0-20	505.86	N.A.	22.90
0-30	963.07	N.A.	43.50
0-40	1404.13	N.A.	63.50
0-60	1979.19	N.A.	89.40
0-80	2198.94	N.A.	99.40
0-90	2212.7	N.A.	100.00
10-90	2070.27	N.A.	93.60
20-40	898.26	N.A.	40.60
20-50	1230.73	N.A.	55.60
40-70	724.58	N.A.	32.70
60-80	219.75	N.A.	9.90
70-80	70.23	N.A.	3.20
80-90	13.76	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	2212.7	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

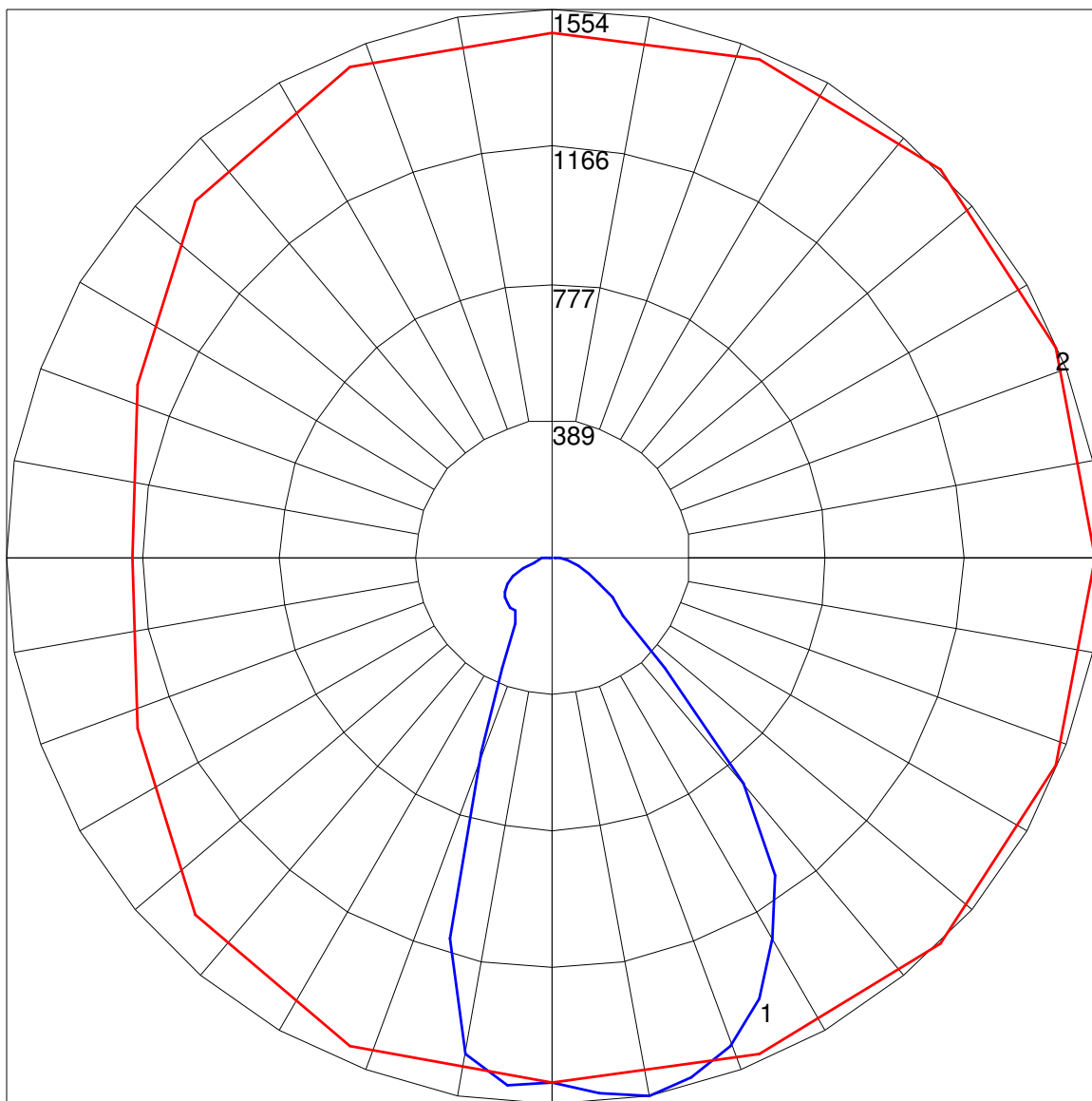
Zone	Lumens
0-10	142.44
10-20	363.43
20-30	457.21
30-40	441.05
40-50	332.47
50-60	242.60
60-70	149.52
70-80	70.23
80-90	13.76
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	80	80	80	80	78	78	78	78	74	74	74	71	71	71	68	68	68	67
1	74	72	69	67	72	70	68	66	67	66	64	65	63	62	62	61	60	59
2	69	64	61	57	67	63	60	57	61	58	55	59	56	54	57	55	53	52
3	64	58	53	50	62	57	53	49	55	51	49	53	50	48	52	49	47	46
4	59	53	48	44	58	52	47	44	50	46	43	49	45	42	47	44	42	41
5	55	48	43	39	54	47	42	39	46	42	38	45	41	38	43	40	38	36
6	52	44	39	35	50	43	38	35	42	38	35	41	37	34	40	37	34	33
7	48	40	35	32	47	40	35	32	39	35	31	38	34	31	37	34	31	30
8	45	37	32	29	44	37	32	29	36	32	29	35	32	29	35	31	28	27
9	43	35	30	27	42	34	30	27	34	29	26	33	29	26	32	29	26	25
10	40	33	28	25	40	32	28	25	32	27	24	31	27	24	30	27	24	23

POLAR GRAPH



Maximum Candela = 1554.448 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.)