



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-42-03-08-L7-8TW5-W-XXXX-XXXX-DIM 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] 2-56 LED 22"ARRAYS 4'RECESSED PERIMETER CONTINUOUS PX
 [MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS
 [LUMCAT] PXF-42-03'08-L7-8TW-W-xxxx-xxxx-DIM 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2525
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	25.7
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	5993	10529	10579
55	3407	6670	8650
65	2298	3106	6880
75	1637	2501	3934
85	405	1553	1013

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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	1426.465	1426.465	1426.465	1426.465	1426.465	1426.465	1426.465	1426.465	1426.465
5	1441.460	1448.631	1448.631	1439.504	1445.372	1436.896	1405.603	1380.829	1369.745
10	1417.990	1456.455	1455.803	1441.460	1441.460	1411.470	1352.795	1303.899	1286.948
15	1365.834	1436.896	1429.725	1427.769	1417.990	1350.839	1250.439	1128.524	1096.579
20	1268.041	1375.613	1369.745	1391.912	1369.745	1271.301	1103.750	899.038	823.412
25	1147.431	1299.335	1295.423	1329.977	1292.815	1183.288	923.160	681.287	576.975
30	1009.217	1187.200	1197.631	1243.267	1205.454	1058.114	738.007	471.359	402.905
35	861.225	1045.075	1087.451	1143.519	1097.883	879.480	528.731	331.190	295.333
40	664.988	846.230	975.316	1032.688	968.797	736.051	376.827	250.349	219.055
45	469.403	595.230	824.716	896.430	828.628	591.318	278.382	186.457	160.380
50	314.892	376.827	629.131	747.786	685.851	442.674	203.408	136.909	112.787
55	216.447	260.128	423.767	606.965	549.593	318.803	136.909	103.008	104.964
60	144.733	183.198	250.349	465.492	431.590	209.276	90.621	97.792	94.533
65	107.572	123.870	145.385	340.969	322.063	121.915	82.798	84.753	77.582
70	77.582	103.008	95.837	225.574	208.624	69.107	74.974	62.587	58.023
75	46.940	71.714	71.714	118.655	112.787	49.548	52.808	39.117	33.901
80	20.210	43.681	39.769	52.808	54.112	31.946	24.122	14.995	9.779
85	3.912	20.862	14.995	20.862	9.779	7.823	5.216	3.260	1.304
90	1.956	1.956	0.000	1.956	1.956	1.956	1.304	1.304	1.304

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Zone	Lumens	%Lamp	%Fixt
0-20	508.78	N.A.	20.10
0-30	1017.64	N.A.	40.30
0-40	1541.45	N.A.	61.00
0-60	2267.44	N.A.	89.80
0-80	2509.56	N.A.	99.40
0-90	2525.19	N.A.	100.00
10-90	2389.91	N.A.	94.60
20-40	1032.67	N.A.	40.90
20-50	1468.33	N.A.	58.10
40-70	892.40	N.A.	35.30
60-80	242.13	N.A.	9.60
70-80	75.71	N.A.	3.00
80-90	15.63	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	2525.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

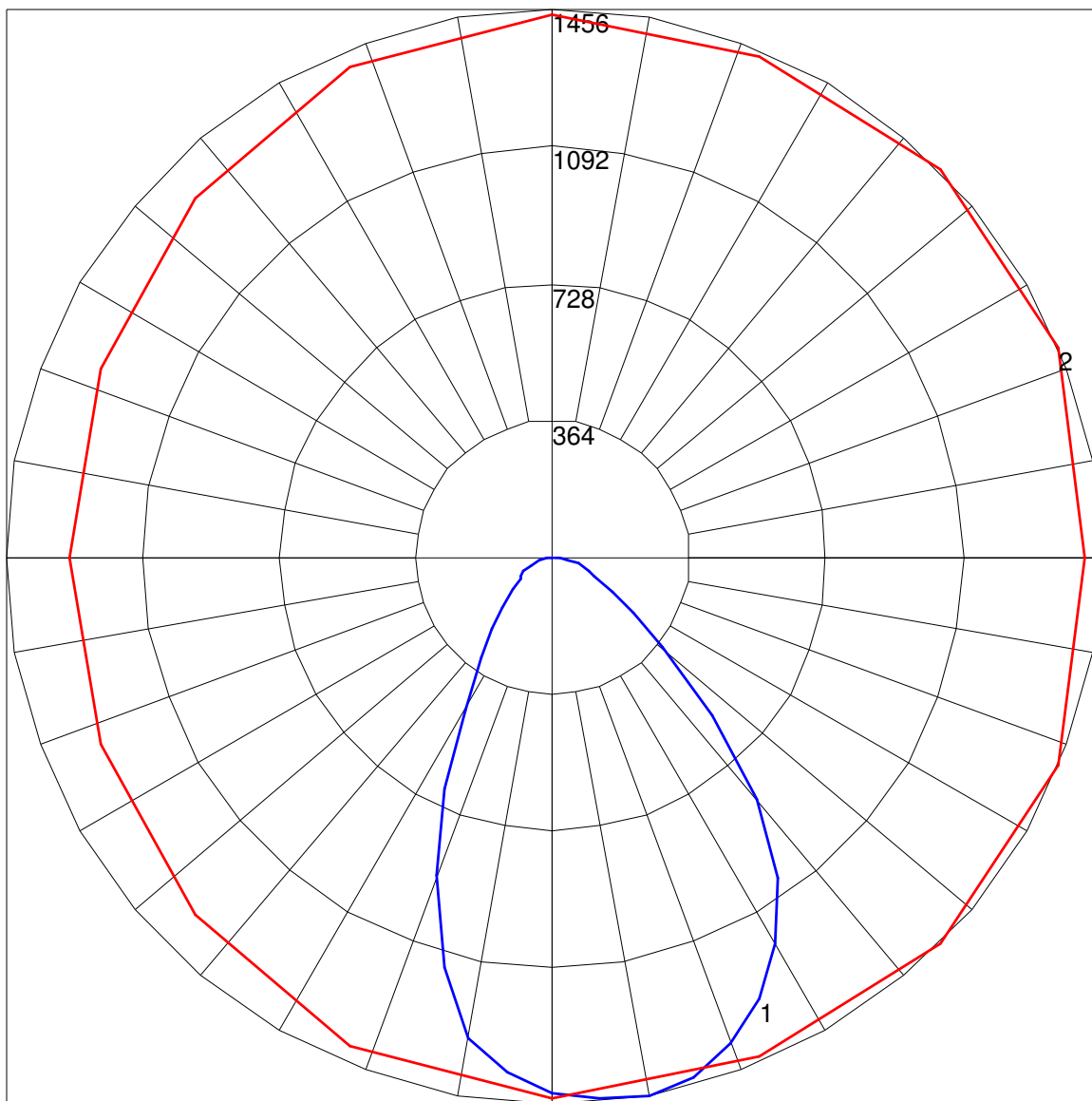
Zone	Lumens
0-10	135.28
10-20	373.49
20-30	508.86
30-40	523.81
40-50	435.65
50-60	290.33
60-70	166.42
70-80	75.71
80-90	15.63
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	78	78	78	78	76	76	76	76	72	72	72	69	69	69	67	67	67	65
1	72	70	68	65	71	68	66	64	66	64	62	63	62	61	61	60	59	57
2	67	62	59	56	65	61	58	55	59	56	54	57	55	53	55	53	51	50
3	62	56	52	48	60	55	51	48	53	50	47	52	49	46	50	47	45	44
4	57	51	46	42	56	50	45	42	48	44	41	47	43	41	46	43	40	39
5	53	46	41	37	52	45	41	37	44	40	37	43	39	36	42	38	36	35
6	50	42	37	33	49	41	37	33	40	36	33	39	36	33	38	35	32	31
7	46	39	34	30	45	38	33	30	37	33	30	36	32	29	35	32	29	28
8	44	36	31	27	43	35	30	27	34	30	27	34	30	27	33	29	27	26
9	41	33	28	25	40	33	28	25	32	28	25	31	27	25	31	27	24	23
10	39	31	26	23	38	30	26	23	30	26	23	29	25	23	29	25	23	21

POLAR GRAPH



Maximum Candela = 1456.455 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.)