



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PB3 332 18.IES

DESCRIPTION INFORMATION (From Photometric File)

TEST] Test No. 5231
 [MANUFAC]ARCHIPELAGO LIGHTING, INC.
 [LUMCAT] PB3 332 18
 [LUMINAIRE] GRID PARABOLIC 2'X4' 3 LP T8 w/3" ALUMINUM LOUVER
 [LAMP] THREE 32-WATT T8 LINEAR FLUORESCENT.
 [BALLAST] 2 MAGNETEK BALLAST #B2321120RH-A

CHARACTERISTICS

Total Rated Lamp Lumens	8550 (3 lamps)
Total Luminaire Efficiency	68 %
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	91
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.54
Spacing Criteria (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 ft
Luminous Width (90-270)	1.73 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3774	4578	2905
55	3321	2173	1361
65	1616	792	514
75	218	167	147
85	95	95	95

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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>
0.0	2535	2535	2535	2535	2535
2.5	2515	2534	2538	2545	2542
5.0	2503	2527	2537	2548	2550
7.5	2483	2512	2532	2554	2561
10.0	2455	2493	2527	2562	2573
12.5	2423	2467	2519	2570	2584
15.0	2390	2439	2506	2576	2594
17.5	2347	2407	2491	2575	2601
20.0	2304	2373	2470	2567	2605
22.5	2256	2334	2445	2557	2614
25.0	2203	2292	2416	2556	2643
27.5	2147	2243	2383	2578	2707
30.0	2087	2191	2352	2623	2779
32.5	2023	2134	2326	2660	2806
35.0	1950	2072	2308	2638	2736
37.5	1869	2002	2289	2519	2497
40.0	1790	1925	2241	2246	2088
42.5	1701	1841	2133	1844	1641
45.0	1610	1745	1953	1434	1239
47.5	1511	1637	1681	1076	933
50.0	1399	1521	1352	812	742
52.5	1281	1382	1024	641	595
55.0	1149	1222	752	504	471
57.5	1002	1027	549	392	371
60.0	836	814	409	297	281
62.5	641	586	297	215	199
65.0	412	362	202	143	131
67.5	203	194	128	92	83
70.0	92	91	75	55	49
72.5	55	48	43	35	33
75.0	34	30	26	24	23
77.5	22	20	17	17	16
80.0	15	14	12	12	12
82.5	9	9	9	9	9
85.0	5	5	5	5	5
87.5	1	2	3	3	3
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2071.54	24.2	35.6
0-40	3515.29	41.1	60.4
0-60	5517.04	64.5	94.8
0-90	5817.67	68	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	5817.67	68	100

Total Luminaire Efficiency = 68%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	241.58
10-20	707.84
20-30	1122.13
30-40	1443.75
40-50	1259.21
50-60	742.53
60-70	260.03
70-80	34.36
80-90	6.24
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

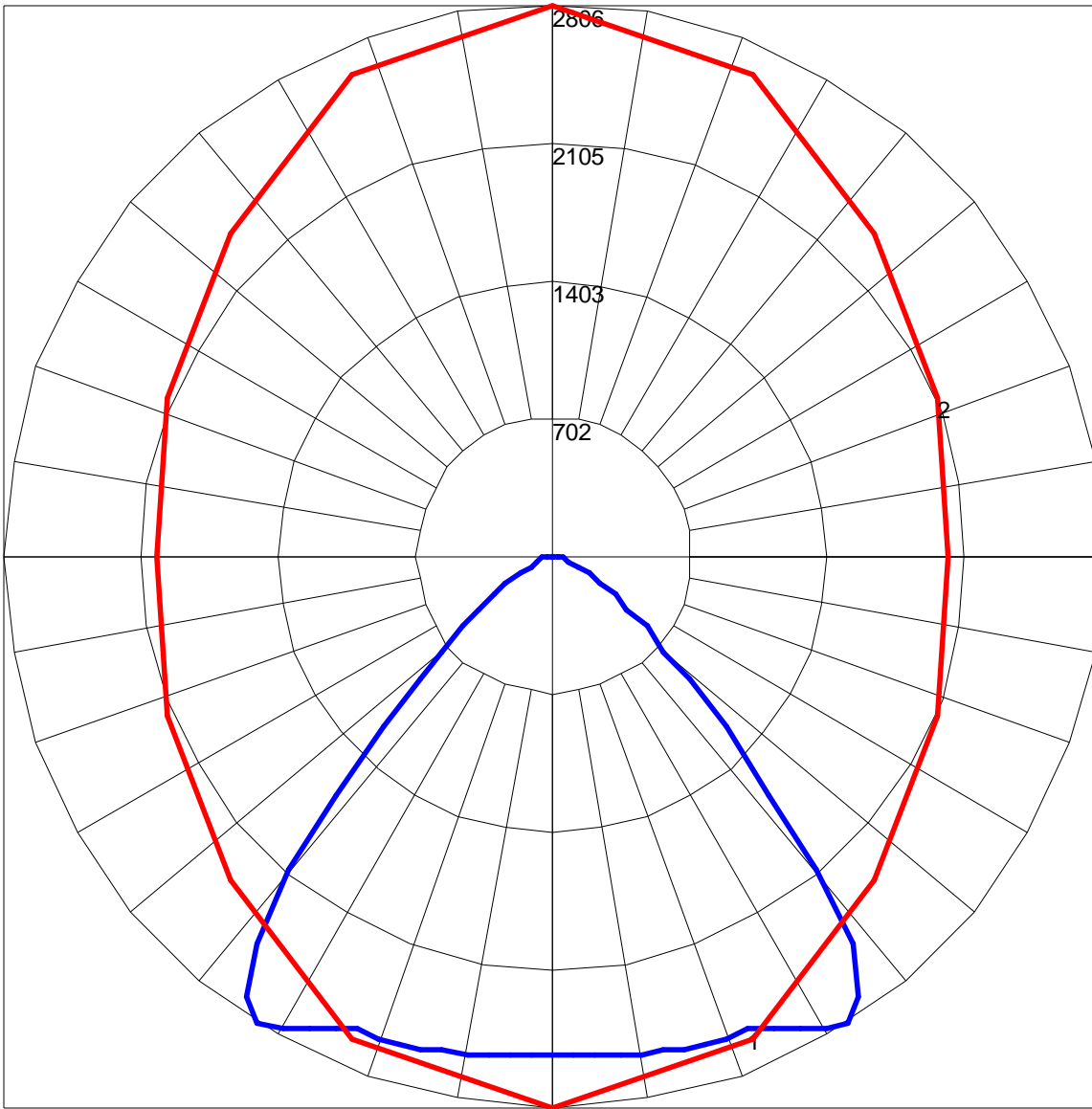
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	81	81	81	79	79	79	79	76	76	76	72	72	72	69	69	69	68
1	76	73	71	69	74	72	70	68	69	67	66	66	65	64	64	63	62	61
2	70	66	62	59	69	65	61	58	62	60	57	60	58	56	58	56	55	53
3	65	59	55	51	64	58	54	51	56	53	50	54	51	49	53	50	48	47
4	60	53	48	44	59	52	48	44	51	47	43	49	46	43	48	45	42	41
5	56	48	43	39	54	47	42	39	46	42	38	45	41	38	44	40	38	36
6	52	44	38	34	51	43	38	34	42	37	34	41	37	34	40	36	34	32
7	48	40	35	31	47	39	34	31	38	34	30	37	33	30	37	33	30	29
8	45	37	31	28	44	36	31	28	35	31	27	34	30	27	34	30	27	26
9	42	34	28	25	41	33	28	25	32	28	25	32	28	25	31	27	25	23
10	39	31	26	23	39	31	26	23	30	26	23	29	25	22	29	25	22	21

POLAR GRAPH



Maximum Candela = 2806 Located At Horizontal Angle = 90, Vertical Angle = 32.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (32.5) (Through Max. Cd.)