



IES INDOOR REPORT
PHOTOMETRIC FILENAME : HBT8-648.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST]BALLABS TEST NO. HBT8-648
 [MANUFAC] Archipelago Lighting Inc. - Montclair, Ca.
 [LUMINAIRE] 6/32W T8 LAMP 4'DIRECT RECESSED MNT LUMINAIRE
 [LUMINAIRE] HIGHLY SPECULAR REFLECTOR w/OPEN BOTTOM
 [LUMINAIRE] 2 MAGNETEK BALLAST #B332I120RH WATTS=172
 [LUMCAT] HBT8-648
 [LAMP CAT] F32T8/835

CHARACTERISTICS

Total Rated Lamp Lumens	17700 (6 lamps)
Total Luminaire Efficiency	96.9 %
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	172
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.28
Spacing Criteria (90-270)	1.34
Spacing Criteria (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.55 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9422	10306	10047
55	8816	9220	7955
65	7480	6870	8341
75	5910	8018	9511
85	2365	5645	5645

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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	5973	5973	5973	5973	5973
5	6018	6032	6047	6077	6107
10	6122	6137	6287	6347	6362
15	6047	6167	6302	6272	6257
20	5733	5913	5913	5928	5958
25	5478	5688	5658	5643	5658
30	5074	5269	5254	5239	5269
35	4775	4940	4940	5089	5149
40	4266	4401	4475	4655	4670
45	3846	4012	4207	4176	4101
50	3413	3487	3742	3413	3308
55	2919	2979	3053	2664	2634
60	2365	2530	2230	2170	2230
65	1825	2006	1676	1961	2035
70	1362	1392	1496	1706	1766
75	883	868	1198	1377	1421
80	433	584	838	883	868
85	119	284	284	284	284
90	14	14	14	14	14

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	4909.47	27.7	28.6
0-40	7995.95	45.2	46.6
0-60	13702	77.4	79.9
0-90	17148.28	96.9	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	17148.28	96.9	100

Total Luminaire Efficiency = 96.9%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	584.08
10-20	1739.21
20-30	2586.18
30-40	3086.48
40-50	3125.08
50-60	2580.97
60-70	1890.25
70-80	1207.74
80-90	348.28
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

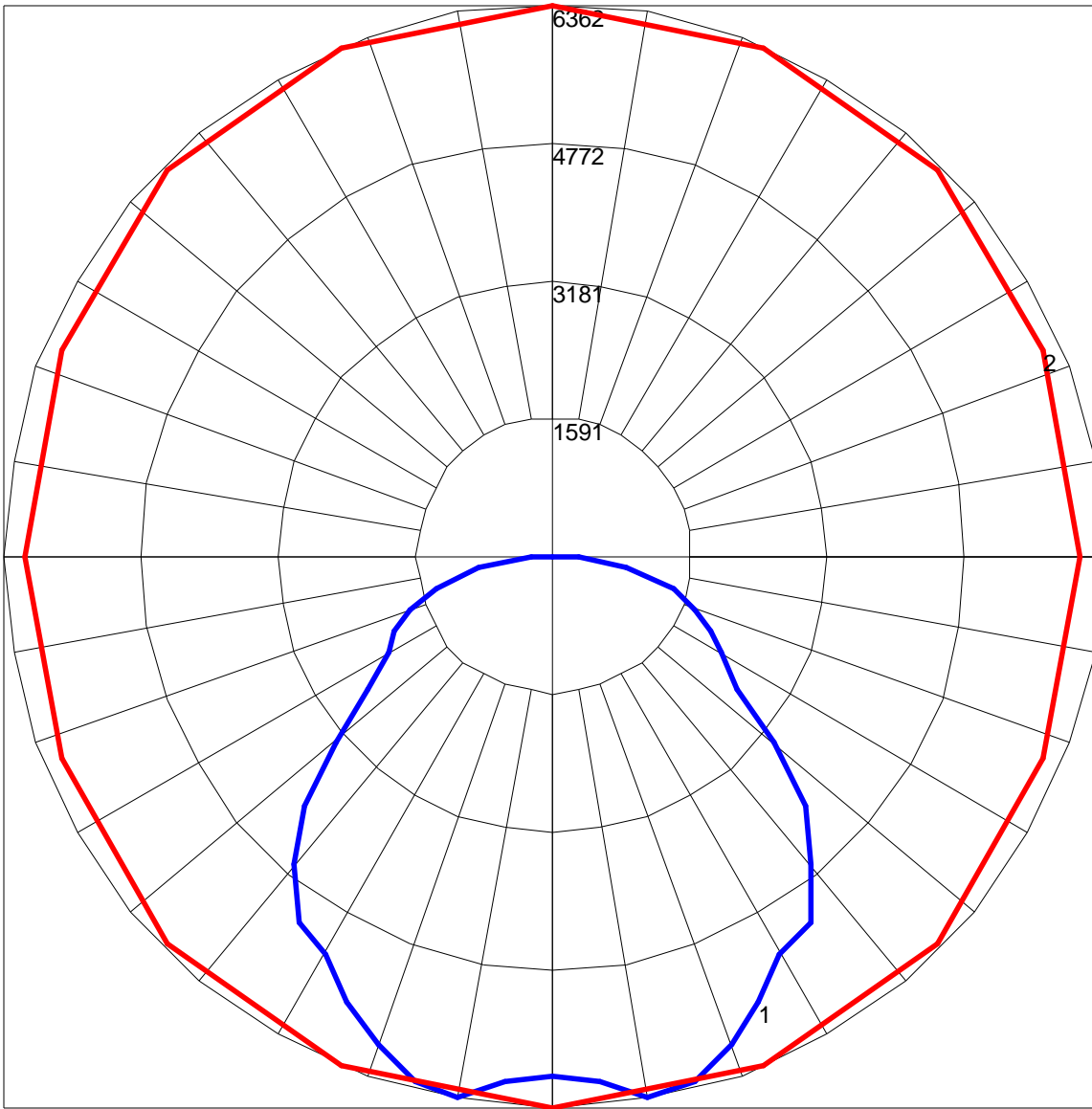
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC 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	115	115	115	115	113	113	113	113	108	108	108	103	103	103	99	99	99	97
1	105	101	97	93	103	99	95	91	94	91	89	91	88	86	87	85	83	81
2	96	88	81	76	93	86	80	75	83	78	73	80	75	72	77	73	70	68
3	88	78	70	63	85	76	69	63	73	67	62	70	65	61	68	63	60	57
4	80	69	60	54	78	68	60	54	65	58	53	63	57	52	61	56	51	49
5	74	62	53	47	72	61	52	46	58	51	46	57	50	45	55	49	45	43
6	68	56	47	41	67	55	47	41	53	46	40	51	45	40	50	44	40	38
7	63	50	42	36	62	50	42	36	48	41	36	47	40	35	45	40	35	33
8	59	46	38	32	58	45	38	32	44	37	32	43	36	32	42	36	32	30
9	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 6362 Located At Horizontal Angle = 90, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)