



IES INDOOR REPORT
PHOTOMETRIC FILENAME : H6L654M23MV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 6x54T5HO
 2 ADVANCE #ICN-4S54-90C-2LS-G-32-SC & ICN-2S54
 [LAMPCAT] F54T5HO/835

CHARACTERISTICS

Lumens Per Lamp	5000 (6 lamps)
Total Lamp Lumens	30000
Luminaire Lumens	28952
Total Luminaire Efficiency	97 %
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	339
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.99 ft
Luminous Width (90-270)	1.29 ft
Luminous Height	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17327	19179	20749
55	16003	19107	22083
65	14366	20372	23914
75	11405	20473	21460
85	4397	14970	17074

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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	8474	8474	8474	8474	8474
5	8466	8472	8499	8524	8530
10	8620	8672	8743	8788	8801
15	8401	8499	8614	8672	8672
20	8104	8253	8389	8414	8414
25	7776	7956	8060	8118	8150
30	7254	7472	7557	7711	7808
35	6796	7034	7163	7460	7570
40	6299	6545	6815	7163	7260
45	5919	6170	6647	7028	7202
50	5094	5345	5900	6409	6628
55	4449	4759	5422	6061	6280
60	3682	4081	4842	5461	5674
65	2959	3437	4326	4938	5094
70	2217	2766	3739	4048	4107
75	1456	2115	2753	2882	2901
80	753	1399	1701	1857	1882
85	200	547	786	890	909
90	44	129	258	360	387
95	0	0	32	103	135
100	0	0	0	0	0
105	0	0	0	0	0
110	0	0	0	0	0
115	0	0	0	0	0
120	0	0	0	0	0
125	0	0	0	0	0
130	0	0	0	0	0
135	0	0	0	0	0
140	0	0	0	0	0
145	0	0	0	0	0
150	0	0	0	0	0
155	0	0	0	0	0
160	0	0	0	0	0
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	6927.75	23.10	23.90
0-40	11445.62	38.20	39.50
0-60	21256.36	70.90	73.40
0-90	28858.34	96.20	99.70
90-120	93.50	0.30	0.30
90-130	93.50	0.30	0.30
90-150	93.50	0.30	0.30
90-180	93.50	0.30	0.30
0-180	28951.84	96.50	100.00

Total Luminaire Efficiency = 96.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	819.15
10-20	2420.29
20-30	3688.31
30-40	4517.87
40-50	5007.91
50-60	4802.83
60-70	4102.18
70-80	2628.88
80-90	870.92
90-100	93.50
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

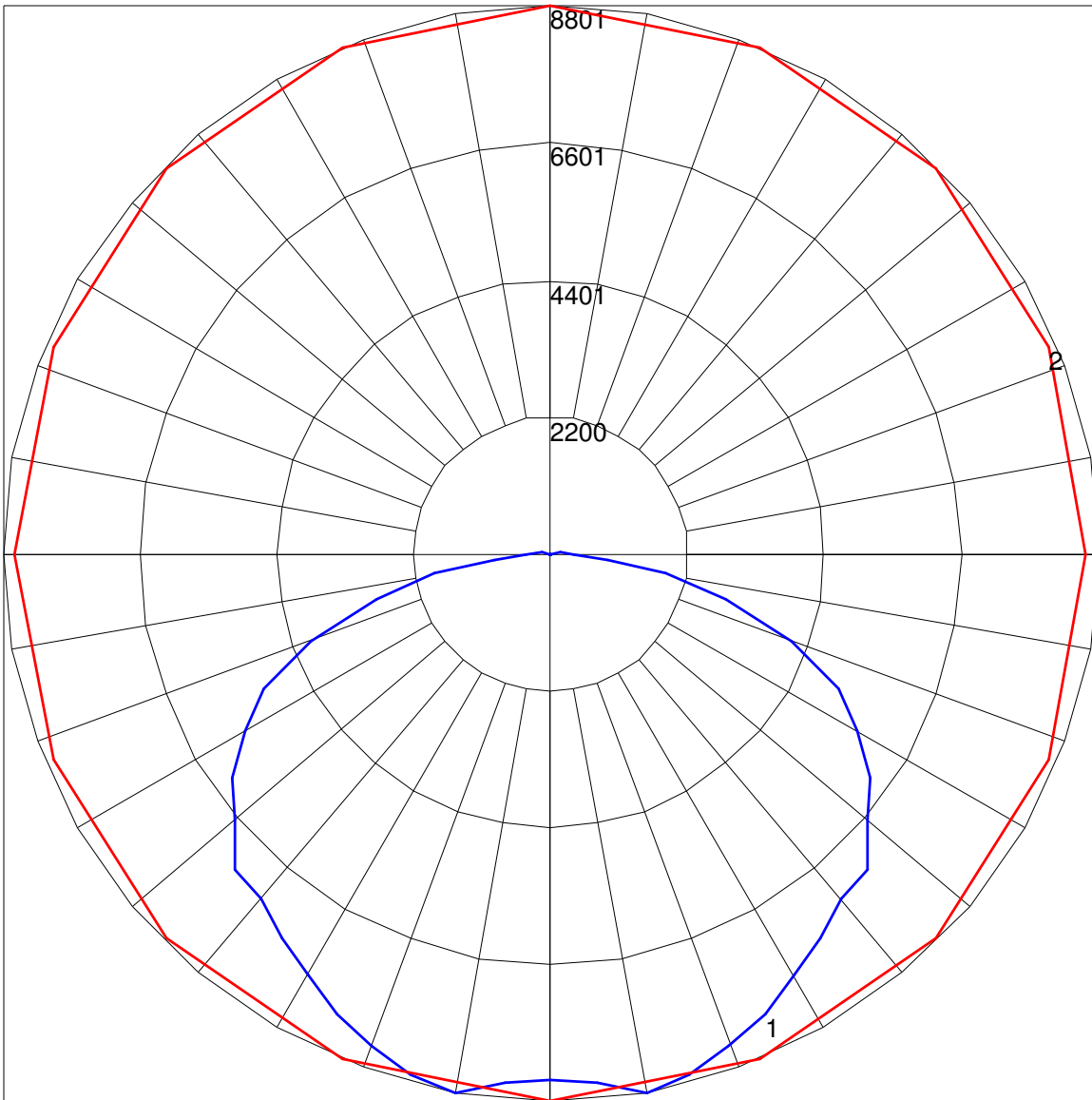
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	112	112	112	112	107	107	107	102	102	102	98	98	98	96
1	104	99	94	90	101	96	92	89	92	89	86	88	86	83	85	83	80	78
2	94	85	78	72	91	83	77	71	80	74	69	76	72	68	73	70	66	64
3	85	74	66	59	82	72	65	58	69	63	57	67	61	56	64	59	55	53
4	77	65	56	49	75	64	55	49	61	54	48	59	53	47	57	51	47	45
5	71	58	49	42	69	57	48	42	55	47	41	53	46	41	51	45	40	38
6	65	52	43	36	63	51	42	36	49	42	36	47	41	36	46	40	35	33
7	61	47	38	32	59	46	38	32	45	37	32	43	36	31	42	36	31	29
8	56	43	34	28	55	42	34	28	41	33	28	39	33	28	38	32	28	26
9	52	39	31	25	51	39	31	25	37	30	25	36	30	25	35	29	25	23
10	49	36	28	23	48	36	28	23	35	28	23	34	27	23	33	27	22	21

POLAR GRAPH



Maximum Candela = 8801 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.)