

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GH4RA632UNIH10CSPF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [ISSUE]04/08/10
 [TEST]ITL64498
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
 [MANUFAC]TECHNICAL CONSUMER PRODUCTS, INC.
 [LUMCAT]GH4RA632UNIH10CSPF
 [LUMINAIRE]GREEN HI BAY REFLECTIVE ALUMINUM 4' 32W T8 6-LAMP HBF W/10' CORD, QUICK SHIP
 [LAMP](6) 32-WATT T-8 LINEAR FLUORESCENTS
 [BALLAST](2) GE GE332MAX-H-ULTRA
 [_ MOUNTING]SUSPENDED
 [OTHER]THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.
 [OTHER]TOTAL INPUT WATTS = 213.7 AT 120.0 VOLTS
 [OTHER]LUMEN TO CANDELA RATIO USED = 9.17

CHARACTERISTICS

Total Rated Lamp Lumens	17700 (6 lamps)
Total Luminaire Efficiency	93.9 %
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	214
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.06
Spacing Criteria (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.01 ft
Luminous Width (90-270)	1.42 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12767	9967	8622
55	11955	8243	7868
65	10643	7216	6595
75	8503	5326	4284
85	2726	0	0

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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	7341	7341	7341	7341	7341
2.5	7331	7327	7315	7298	7264
5.0	7306	7298	7260	7231	7205
7.5	7264	7239	7197	7138	7088
10.0	7172	7155	7054	6966	6911
12.5	7113	7071	6928	6853	6827
15.0	7029	6970	6790	6723	6660
17.5	6903	6823	6643	6529	6525
20.0	6794	6681	6487	6416	6340
22.5	6643	6500	6294	6160	5971
25.0	6500	6303	6160	5786	5660
27.5	6332	6126	5929	5446	5291
30.0	6139	5929	5593	5093	5014
32.5	5946	5732	5253	4825	4736
35.0	5727	5484	4871	4564	4468
37.5	5526	5240	4573	4283	4157
40.0	5274	5035	4287	3997	3703
42.5	5030	4753	4002	3527	3426
45.0	4787	4447	3737	3258	3233
47.5	4501	4107	3418	3069	3099
50.0	4233	3720	3019	2927	2906
52.5	3930	3384	2692	2717	2637
55.0	3636	3044	2507	2444	2393
57.5	3359	2734	2356	2213	2192
60.0	3040	2419	2116	1990	1940
62.5	2738	2146	1856	1768	1730
65.0	2385	1801	1617	1541	1478
67.5	2083	1486	1398	1285	1251
70.0	1755	1302	1163	1067	999
72.5	1444	1096	945	831	789
75.0	1167	869	731	617	588
77.5	857	659	508	424	361
80.0	588	445	328	210	168
82.5	319	260	118	34	8
85.0	126	88	0	0	0
87.5	25	0	0	0	0
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	5406.1	30.5	32.5
0-40	8537.73	48.2	51.4
0-60	13995.64	79.1	84.2
0-90	16620.99	93.9	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	16620.99	93.9	100

Total Luminaire Efficiency = 93.9%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	686.98
10-20	1924.18
20-30	2794.93
30-40	3131.63
40-50	2983.33
50-60	2474.58
60-70	1711.37
70-80	817.63
80-90	96.35
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

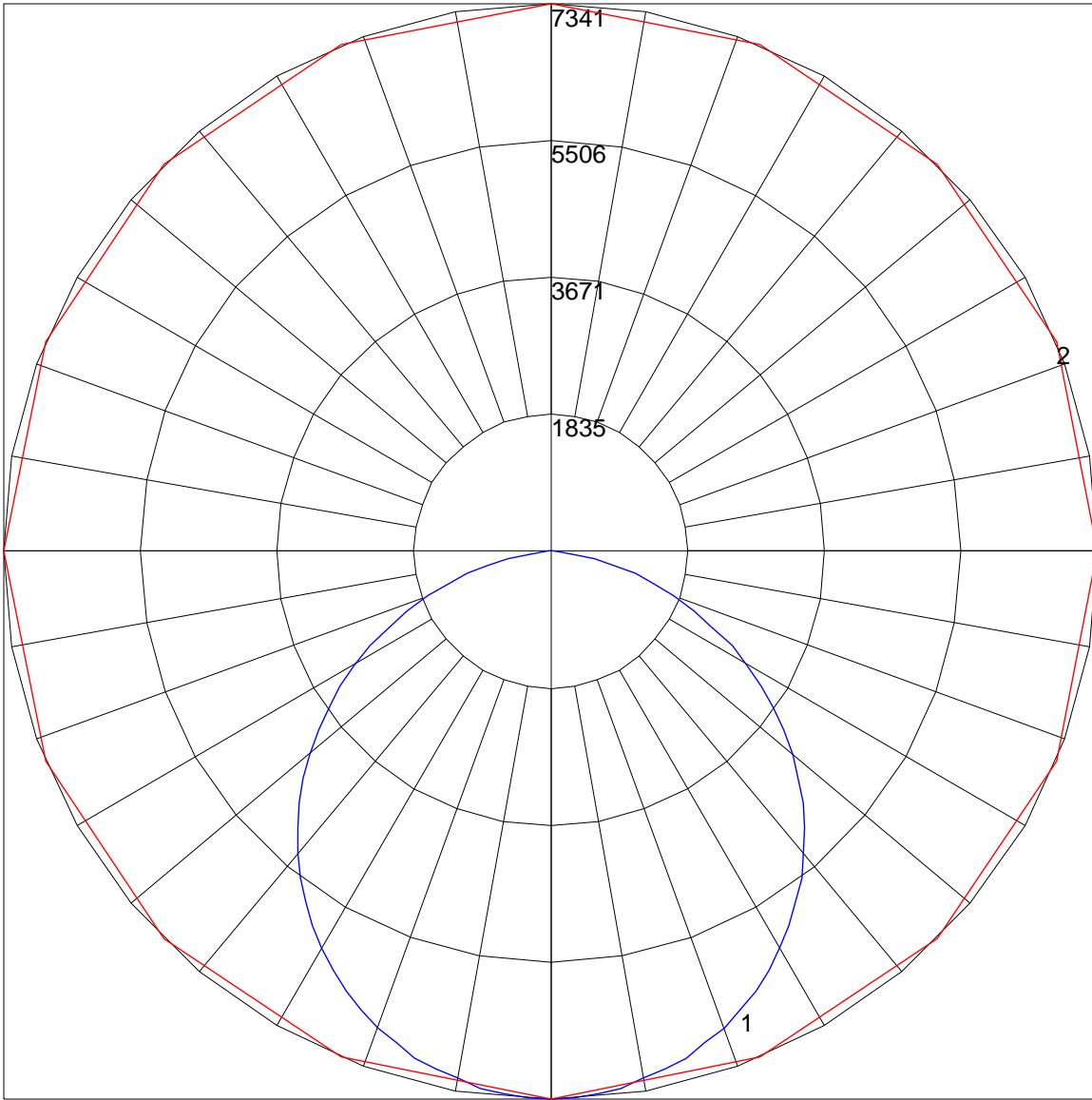
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	109	109	109	109	104	104	104	100	100	100	96	96	96	94
1	103	99	96	92	101	97	94	91	93	90	88	89	87	85	86	84	83	81
2	95	87	82	77	92	86	80	76	82	78	74	79	76	72	77	73	71	69
3	87	77	70	65	84	76	69	64	73	68	63	71	66	62	68	64	61	59
4	80	69	61	55	78	68	61	55	66	59	54	63	58	54	61	57	53	51
5	74	62	54	48	72	61	54	48	59	53	47	57	52	47	56	51	46	45
6	68	56	48	43	66	55	48	42	54	47	42	52	46	42	51	45	41	39
7	63	51	43	38	62	50	43	38	49	42	37	48	42	37	47	41	37	35
8	59	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	32
9	55	43	36	31	54	43	36	31	42	35	31	41	35	30	40	34	30	29
10	52	40	33	28	51	40	33	28	39	32	28	38	32	28	37	32	28	26

POLAR GRAPH



Maximum Candela = 7341 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)