

**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : ITL69477.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]ITL69477  
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.  
 [ISSUE DATE]08/11/11  
 [MANUFAC]TECHNICAL CONSUMER PRODUCTS, INC.  
 [LUMCAT]TCPATLASGS60H  
 [LUMINAIRE]FABRICATED WHITE PAINTED METAL HOUSING WITH ONE APERTURE PER  
 [MORE]LED, TWO EXTRUDED FINNED METAL HEAT SINKS, TWO CIRCUIT BOARDS  
 [MORE]EACH WITH 30 LEDS, ONE CLEAR PLASTIC LENS BELOW EACH LED.  
 [LAMP]SIXTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP  
 [MORE]POSITION.  
 [OTHER]TOTAL INPUT WATTS = 94.6 AT 120.0 VOLTS  
 [\_LEDDRIVER]MEAN WELL CLG-100-48  
 [\_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT  
 [MORE]VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.  
 [OTHER]TEST PROCEDURE: IESNA LM-79-08  
 [OTHER]TEST DISTANCE = 25.25 FEET  
 [\_ABSOLUTE LUMENS]7610

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7610
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	94.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.38
Spacing Criteria (90-270)	1.38
Spacing Criteria (Diagonal)	1.84
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.69 ft
Luminous Width (90-270)	0.90 ft
Luminous Height	0.00 ft



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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	69981	95168	68647
55	3927	51051	4110
65	1033	2396	950
75	742	540	742
85	200	0	200

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	3073	3073	3073	3073	3073	3073	3073	3073	3073	3073
2.5	3083	3077	3077	3071	3071	3069	3071	3069	3069	3071
5.0	3076	3071	3070	3064	3064	3062	3064	3062	3063	3064
7.5	3065	3059	3060	3055	3055	3053	3054	3052	3052	3053
10.0	3045	3040	3041	3039	3040	3038	3039	3036	3034	3034
12.5	3020	3015	3016	3017	3017	3016	3017	3013	3007	3006
15.0	2990	2986	2990	2992	2991	2991	2990	2987	2978	2977
17.5	2960	2957	2963	2966	2967	2967	2965	2961	2953	2950
20.0	2929	2927	2935	2942	2947	2950	2947	2937	2927	2921
22.5	2898	2899	2909	2922	2934	2944	2936	2917	2902	2889
25.0	2870	2873	2887	2911	2937	2956	2939	2906	2882	2867
27.5	2838	2842	2866	2916	2988	3036	2998	2925	2871	2847
30.0	2797	2804	2846	2954	3142	3255	3172	2983	2856	2812
32.5	2750	2760	2833	3013	3257	3413	3292	3053	2857	2776
35.0	2708	2728	2849	3059	3290	3397	3305	3085	2875	2748
37.5	2725	2749	2881	3089	3310	3426	3312	3092	2882	2753
40.0	2770	2787	2892	3101	3359	3504	3367	3089	2858	2743
42.5	2735	2754	2896	3150	3456	3625	3459	3123	2850	2711
45.0	2834	2863	3072	3402	3708	3854	3680	3329	2998	2806
47.5	2814	2845	3081	3534	4116	4410	4029	3426	2961	2708
50.0	1182	1225	1725	2650	3729	4575	3764	2645	1788	1377
52.5	201	205	245	694	2548	3291	2583	971	365	266
55.0	129	131	149	196	552	1677	781	236	165	137
57.5	86	88	102	133	178	368	201	140	103	88
60.0	61	62	73	93	121	133	111	89	71	60
62.5	40	40	49	64	84	88	69	57	48	38
65.0	25	26	30	37	55	58	44	32	28	24
67.5	21	21	23	20	30	35	25	18	21	20
70.0	19	19	20	15	16	18	14	13	18	17
72.5	16	16	16	12	12	11	10	10	15	15
75.0	11	11	12	9	9	8	7	8	11	10
77.5	7	7	7	6	6	5	5	5	7	7
80.0	4	4	4	3	3	3	3	3	3	4
82.5	2	2	2	1	1	1	1	1	2	2
85.0	1	1	0	0	0	0	0	0	1	1
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	<u>90</u>
0.0	3073
2.5	3070
5.0	3063
7.5	3052
10.0	3034
12.5	3007
15.0	2978
17.5	2950
20.0	2920
22.5	2892
25.0	2869
27.5	2846
30.0	2809

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	2767
<b>35.0</b>	2732
<b>37.5</b>	2736
<b>40.0</b>	2730
<b>42.5</b>	2698
<b>45.0</b>	2780
<b>47.5</b>	2669
<b>50.0</b>	1343
<b>52.5</b>	257
<b>55.0</b>	135
<b>57.5</b>	86
<b>60.0</b>	59
<b>62.5</b>	38
<b>65.0</b>	23
<b>67.5</b>	19
<b>70.0</b>	17
<b>72.5</b>	15
<b>75.0</b>	11
<b>77.5</b>	6
<b>80.0</b>	4
<b>82.5</b>	2
<b>85.0</b>	1
<b>87.5</b>	0
<b>90.0</b>	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	2491.69	N.A.	32.70
0-40	4400.23	N.A.	57.80
0-60	7556.11	N.A.	99.30
0-90	7609.86	N.A.	100.00
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
0-180	7609.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	291.75
10-20	845.34
20-30	1354.59
30-40	1908.55
40-50	2460.63
50-60	695.25
60-70	42.67
70-80	10.14
80-90	0.94
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

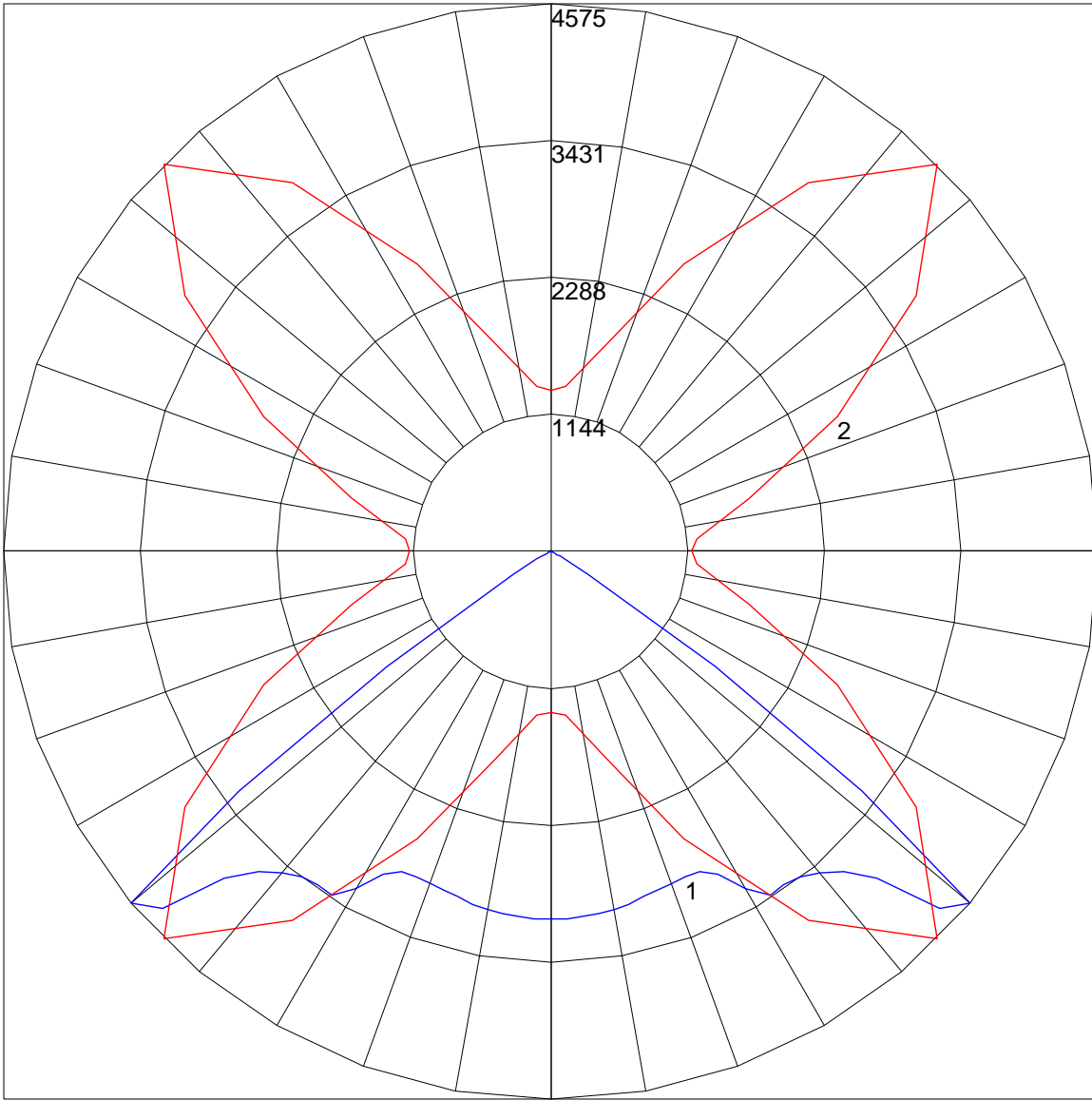
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80
3	96	88	82	76	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	89	79	72	67	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	64	58	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	57	51	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	71	59	51	46	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43
8	66	54	46	41	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	49	42	37	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	45	38	33	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 4575 Located At Horizontal Angle = 45, Vertical Angle = 50  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)