

**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : ITL69478.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]ITL69478  
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.  
 [ISSUEDATE]08/11/11  
 [MANUFAC]TECHNICAL CONSUMER PRODUCTS, INC.  
 [LUMCAT]TCP RADIANT100H  
 [LUMINAIRE]FABRICATED METAL LED DRIVER HOUSING, CAST FINNED METAL HEAT  
 [MORE]SINK, ONE CIRCUIT BOARD WITH 100 LEDS, ONE CLEAR PLASTIC  
 [MORE]OPTIC BELOW EACH LED, FORMED WHITE PAINTED METAL REFLECTOR  
 [MORE]WITH ONE APERTURE PER LED, CLEAR FLAT GLASS LENS WITH FROSTED  
 [MORE]PERIMETER. LENS FROSTED SIDE UP.  
 [LAMP]ONE HUNDRED WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL  
 [MORE]BASE-UP POSITION.  
 [OTHER]TOTAL INPUT WATTS = 142.2 AT 120.0 VOLTS  
 [\_ MOUNTING]PENDANT  
 [\_ LEDDRIVER]MOSO EUC-150S045ST-4418  
 [\_ 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  
 [\_ ABSOLUTELUMENS]11090

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11090
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	142.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	2.42
Spacing Criteria (90-270)	2.44
Spacing Criteria (Diagonal)	2.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.35 ft
Luminous Width (90-270)	0.82 ft
Luminous Height	0.01 ft



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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	41989	44415	44613
55	74694	77320	72099
65	8374	8883	9521
75	4430	4074	4243
85	1747	1344	1269

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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>
<b>0.0</b>	1824	1824	1824	1824	1824
<b>2.5</b>	1827	1829	1830	1832	1832
<b>5.0</b>	1838	1841	1842	1842	1839
<b>7.5</b>	1852	1854	1855	1855	1850
<b>10.0</b>	1882	1882	1881	1880	1872
<b>12.5</b>	1932	1928	1924	1920	1913
<b>15.0</b>	2011	1997	1985	1979	1977
<b>17.5</b>	2096	2082	2063	2061	2066
<b>20.0</b>	2191	2175	2158	2157	2153
<b>22.5</b>	2278	2271	2259	2246	2237
<b>25.0</b>	2369	2365	2362	2336	2319
<b>27.5</b>	2474	2472	2467	2424	2400
<b>30.0</b>	2589	2594	2588	2514	2481
<b>32.5</b>	2691	2713	2721	2611	2567
<b>35.0</b>	2784	2806	2837	2727	2667
<b>37.5</b>	2880	2897	2937	2857	2800
<b>40.0</b>	2967	2983	3033	2995	2957
<b>42.5</b>	3019	3054	3136	3115	3106
<b>45.0</b>	3069	3152	3268	3257	3277
<b>47.5</b>	3283	3367	3506	3476	3464
<b>50.0</b>	3490	3621	3914	3687	3555
<b>50.5</b>	3529	3673	3996	3729	3560
<b>51.0</b>	3586	3725	4071	3776	3577
<b>51.5</b>	3649	3777	4142	3819	3629
<b>52.0</b>	3733	3844	4211	3862	3706
<b>52.5</b>	3839	3921	4284	3919	3795
<b>53.0</b>	3965	4015	4358	4004	3895
<b>53.5</b>	4087	4114	4430	4099	3992
<b>54.0</b>	4207	4230	4507	4195	4094
<b>54.5</b>	4323	4344	4576	4288	4203
<b>55.0</b>	4443	4459	4643	4390	4319
<b>55.5</b>	4544	4571	4702	4492	4436
<b>56.0</b>	4647	4685	4755	4599	4557
<b>56.5</b>	4737	4793	4802	4709	4682
<b>57.0</b>	4814	4871	4833	4813	4826
<b>57.5</b>	4836	4893	4839	4879	4923
<b>58.0</b>	4789	4836	4788	4870	4905
<b>58.5</b>	4653	4690	4675	4765	4819
<b>59.0</b>	4409	4442	4478	4571	4628
<b>59.5</b>	4097	4123	4188	4287	4369
<b>60.0</b>	3707	3733	3793	3910	3980
<b>60.5</b>	3292	3286	3341	3471	3485
<b>61.0</b>	2801	2778	2853	2945	2881
<b>61.5</b>	2257	2267	2360	2391	2271
<b>62.0</b>	1673	1728	1847	1809	1647
<b>62.5</b>	1173	1264	1414	1304	1041
<b>63.0</b>	751	870	1017	879	683
<b>63.5</b>	538	614	718	626	524
<b>64.0</b>	440	472	533	508	478
<b>64.5</b>	396	411	446	452	457
<b>65.0</b>	369	376	397	413	424
<b>65.5</b>	347	353	368	378	386
<b>66.0</b>	327	333	344	345	347
<b>66.5</b>	310	315	324	321	321

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**CANDELA TABULATION - (Cont.)**

<b>67.0</b>	292	297	305	300	300
<b>67.5</b>	277	283	289	284	284
<b>68.0</b>	263	269	274	269	270
<b>68.5</b>	250	256	260	255	257
<b>69.0</b>	238	243	246	242	244
<b>69.5</b>	226	230	233	229	232
<b>70.0</b>	215	218	221	217	219
<b>72.5</b>	165	165	162	162	165
<b>75.0</b>	121	119	114	117	118
<b>77.5</b>	91	89	84	84	85
<b>80.0</b>	61	59	56	55	55
<b>82.5</b>	36	35	32	31	31
<b>85.0</b>	17	16	14	14	13
<b>87.5</b>	4	4	3	3	3
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1843.93	N.A.	16.60
0-40	3592.58	N.A.	32.40
0-60	10012.27	N.A.	90.30
0-90	11090.39	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	11090.39	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	176.82
10-20	571.60
20-30	1095.51
30-40	1748.65
40-50	2538.64
50-60	3881.05
60-70	923.64
70-80	132.88
80-90	21.61
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

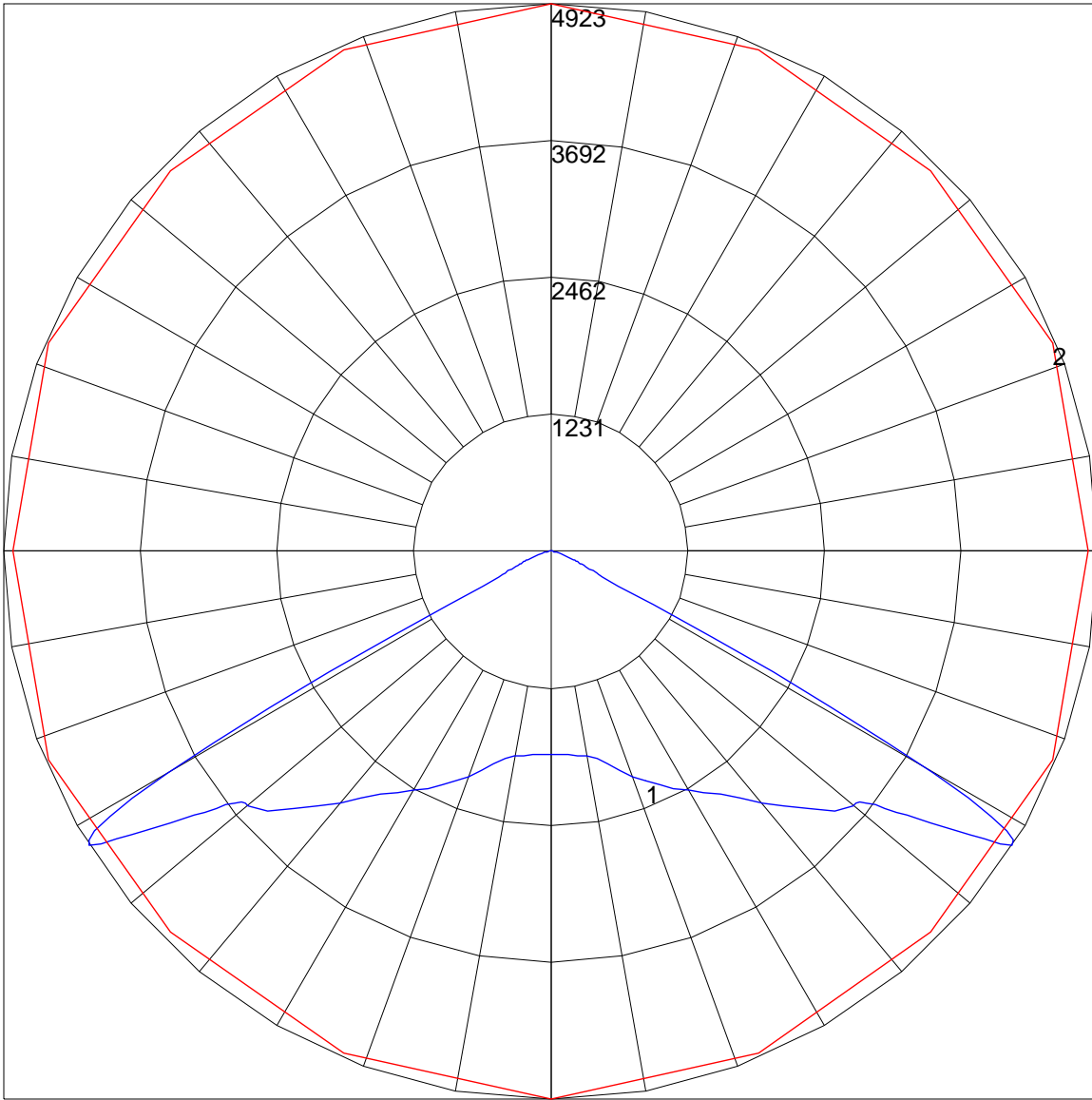
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	91	85	79	97	90	83	78	86	81	76	83	79	75	80	76	73	71
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	41	36	33
7	61	47	38	31	60	46	37	31	45	37	31	43	36	31	42	35	30	28
8	57	42	33	27	55	41	33	27	40	32	27	39	32	26	38	31	26	24
9	52	38	29	23	51	37	29	23	36	29	23	35	28	23	34	28	23	21
10	49	35	26	21	47	34	26	20	33	25	20	32	25	20	31	25	20	18

POLAR GRAPH



Maximum Candela = 4923 Located At Horizontal Angle = 90, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)