TEST, TEST METHODS AND RESULTS OF TESTS – Cont'd

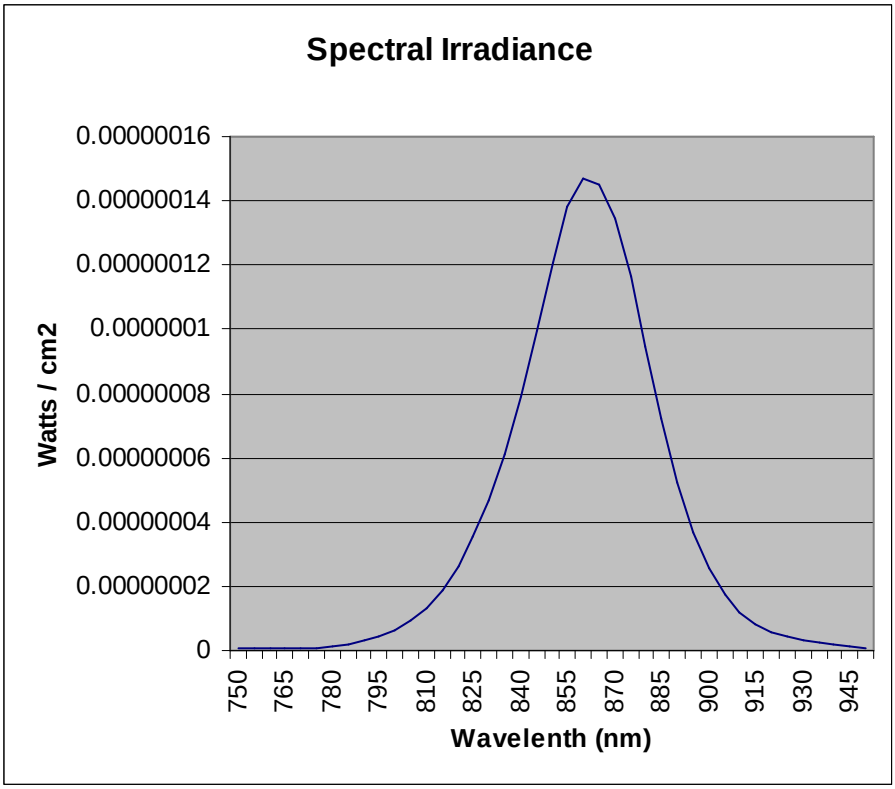
Spectral Irradiance – L-810 mode

Spectral irradiance measurements were summed from 750-950nm in a repeatable position. This summation and orientation at a test distance of 50cm will be utilized in the 25 meter room to generate a working calibration for the 25 meter room IR detector.

Results

Position	H,5.14U
Summation Range	750nm – 950nm
Result	7.734×10^{-6} W/cm^2

Location	Spectral Irradiance	25 Meter IR Measurement	Factor
H,5.14U	7.734×10^{-6} W/cm^2	122	6.33934×10^{-8}



TEST, TEST METHODS AND RESULTS OF TESTS – Cont'd

Radiant Intensity – L810 mode

Sample was tested per the distribution of AC 150/5345-43F for an L-810.

Results – L-810 mode

Raw distribution data was multiplied by (H.5.14U) factor 6.33934 x 10^{-8} to yield W/cm^2 @ 50cm. Then the distribution was multiplied by $(50cm)^2$ to yield Watts/Steradian and finally multiplied by 1000 to produce the client requested radiant intensity in mW/Steradian in the following table.

Test distance: 5 meters — Radiant Intensity in mW/Steradian

Vertical Position (deg.)	Horizontal Position (deg.) 0	30	60	90	120	150	180	210	240	270	300	330
25U	2.97	2.25	2.24	2.98	2.34	2.36	2.95	2.28	2.21	2.93	2.19	2.21
24U	2.90	2.30	2.89	2.88	2.29	2.58	2.94	2.27	2.19	2.82	2.20	2.40
23U	2.77	3.25	2.79	2.83	3.12	2.78	2.83	2.77	2.78	2.79	2.95	2.73
22U	2.81	3.32	3.03	2.82	3.35	3.09	2.78	3.23	3.03	2.71	3.20	3.02
21U	3.19	3.37	3.30	3.09	3.36	3.25	3.04	3.27	3.12	3.12	3.26	3.11
20U	3.28	3.66	3.54	3.23	3.78	3.42	3.02	3.48	3.22	3.08	3.51	3.27
19U	3.59	4.25	3.82	3.53	4.18	3.59	3.14	3.86	3.41	3.24	3.92	3.50
18U	4.00	4.66	4.42	4.13	4.62	4.02	3.57	4.06	3.64	3.55	4.20	4.00
17U	4.93	5.56	5.22	5.02	5.35	4.64	4.21	4.57	4.10	4.16	4.77	4.68
16U	5.97	6.54	6.42	6.15	6.31	5.61	5.18	5.32	4.92	4.95	5.60	5.73
15U	7.41	7.53	7.46	7.69	7.28	6.71	6.67	6.19	5.91	6.27	6.49	6.94
14U	9.11	8.34	8.94	9.45	8.20	8.25	8.52	7.12	7.33	7.97	7.31	8.53
13U	10.62	9.45	10.35	10.98	9.44	9.71	10.24	8.31	8.97	9.53	8.51	10.15
12U	11.69	11.47	11.64	11.87	11.32	11.14	11.46	10.47	10.42	10.74	10.63	11.34
11U	12.95	13.20	12.94	13.08	13.20	12.63	12.75	12.62	12.01	11.86	12.63	12.83
10U	15.28	14.93	14.93	15.27	14.78	14.37	14.81	14.42	13.73	13.75	14.08	14.92
9U	17.64	16.27	16.51	17.36	16.05	16.20	17.00	15.57	15.33	15.94	15.17	16.85
8U	18.41	18.02	17.64	17.80	17.64	17.16	17.44	17.00	16.81	16.70	16.79	17.76
7U	18.65	19.29	18.06	17.66	19.03	18.01	17.60	18.26	16.91	16.80	18.03	18.42
6U	19.58	19.69	18.86	18.49	19.35	18.72	18.26	18.84	17.89	17.58	18.79	18.96
5U	19.45	19.55	18.52	18.38	19.15	18.55	18.46	18.87	17.86	17.59	18.73	18.79
4U	18.91	18.20	17.41	17.84	17.66	17.92	18.51	18.17	17.70	17.74	17.61	18.31
3U	16.95	15.83	15.71	16.10	15.75	16.88	17.67	16.58	17.05	17.07	15.84	16.91
2U	13.81	13.38	12.58	13.15	13.51	14.63	15.78	15.34	15.17	15.08	14.36	14.09
1U	10.66	11.01	10.08	10.07	10.77	11.81	12.98	13.51	13.18	12.14	11.77	11.35
0	8.71	8.66	8.16	8.39	8.87	9.64	10.87	10.74	10.31	9.87	9.22	9.34
1D	7.33	7.37	6.63	6.67	7.04	8.07	9.01	8.66	8.37	7.91	7.66	7.49
2D	6.20	6.31	5.62	5.52	6.12	6.58	7.12	7.13	6.67	6.17	6.35	5.89
3D	4.37	4.31	4.52	4.48	5.11	5.47	5.57	5.79	5.12	4.78	5.21	3.75
4D	2.48	2.13	3.49	3.40	3.83	4.31	4.32	4.41	3.86	3.78	3.95	1.92
5D	1.08	0.80	2.32	2.43	2.45	3.22	3.32	3.20	2.68	2.84	2.72	0.77