

Photometric Report

CATALOG NUMBER: 2RT5 54T5HO

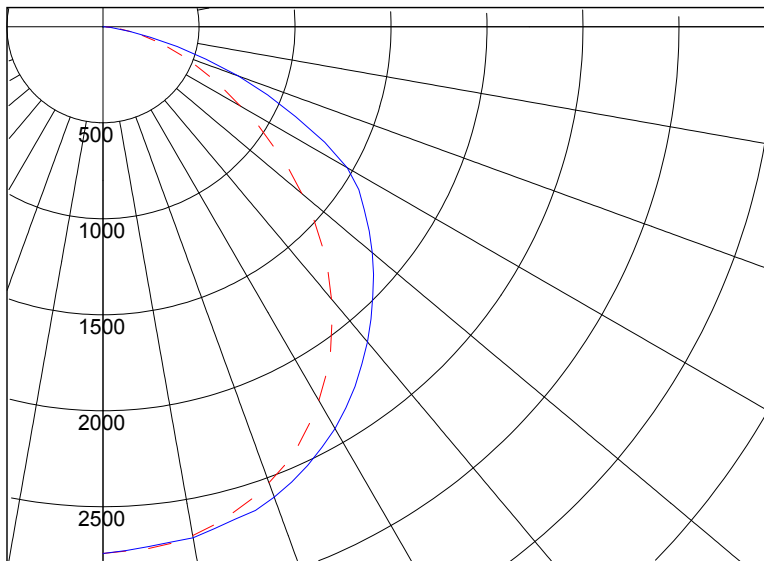
FILENAME: LTL13008.IES

IESNA91
 [TEST]LTL13008
 [DATE]JUNE 1, 2004
 [MANUFAC]LITHONIA LIGHTING
 [LUMCAT]2RT5 54T5HO
 [LUMINAIRE]VOLUMETRIC RECESSED LIGHTING FIXTURE.
 [LAMP]TWO 54-WATT T5 HIGH OUTPUT LINEAR FLUORESCENT, RATED 4450 LUMENS EACH AT 25C AMBIENT.
 [LAMPCAT]F54W/835
 [PRODUCTGROUP] FLUORESCENT
 [INFOLINK] www.lithonia.com/visual/ies/ies.asp?vfile=

SUMMARY DATA

EFFICIENCY (Total): 85.6 %
 EFFICIENCY (Downlight): 85.6 %
 EFFICIENCY (Uplight): 0.0 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 1.22
 SPACING CRITERION (90-Deg.): 1.31
 LUMENS/LAMP: 4450
 NO. OF LAMPS: 2
 LUMINOUS OPENING: RECTANGULAR
 Width: 1.94 (Feet)
 Length: 3.91
 Height: 0.00
 INPUT WATTS: 120
 RP-1-93 VDT CONFORMANCE: NON-CONFORMING

CANDELA PLOT



Quadralaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	2147.1	24.1	28.2
0 - 40	3513.2	39.5	46.1
0 - 60	6170.2	69.3	81.0
60 - 90	1446.8	16.3	19.0
0 - 90	7617.0	85.6	100.0
90 - 180	0.0	0.0	0.0
0 - 180	7617.0	85.6	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	3894	3894	3894	3894	3894
45	3241	3373	3662	3911	3988
55	2679	2979	3555	3973	4112
65	2055	2579	3519	3777	3717
75	1530	2215	2654	2396	2199
85	798	895	570	554	554

COEFFICIENT OF UTILIZATION TABLE

Effective Floor cavity Reflectance = 20%

Pcc ...	80				70				50			30			10			0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1.02	1.02	1.02	1.02	1.00	1.00	1.00	1.00	.95	.95	.95	.91	.91	.91	.87	.87	.87	.86
1	.94	.90	.86	.83	.91	.88	.85	.82	.84	.81	.79	.81	.79	.77	.78	.76	.74	.73
2	.85	.78	.73	.68	.83	.77	.72	.67	.74	.69	.66	.71	.67	.64	.68	.65	.63	.61
3	.78	.69	.62	.57	.76	.68	.61	.56	.65	.60	.55	.63	.58	.54	.60	.57	.53	.51
4	.71	.61	.54	.48	.69	.60	.53	.48	.58	.52	.47	.56	.51	.46	.54	.49	.46	.44
5	.65	.55	.47	.41	.64	.54	.46	.41	.52	.45	.41	.50	.45	.40	.48	.44	.40	.38
6	.60	.49	.41	.36	.59	.48	.41	.36	.47	.40	.36	.45	.40	.35	.44	.39	.35	.33
7	.56	.45	.37	.32	.55	.44	.37	.32	.42	.36	.31	.41	.36	.31	.40	.35	.31	.29
8	.52	.41	.33	.28	.51	.40	.33	.28	.39	.33	.28	.38	.32	.28	.37	.32	.28	.26
9	.49	.37	.30	.26	.47	.37	.30	.25	.36	.30	.25	.35	.29	.25	.34	.29	.25	.23
10	.46	.34	.28	.23	.45	.34	.27	.23	.33	.27	.23	.32	.27	.23	.32	.26	.23	.21

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Photometric Viewer



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CANDELA TABLE

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2744	2744	2744	2744	2744
2.5	2734	2756	2729	2749	2731
5	2728	2749	2720	2738	2718
7.5	2714	2735	2707	2730	2707
10	2691	2714	2689	2716	2703
12.5	2659	2684	2668	2697	2678
15	2620	2645	2637	2673	2656
17.5	2578	2607	2606	2651	2642
20	2527	2559	2567	2615	2607
22.5	2472	2504	2521	2572	2567
25	2406	2443	2468	2525	2522
27.5	2329	2367	2405	2466	2470
30	2248	2290	2340	2409	2417
32.5	2158	2202	2264	2340	2354
35	2065	2112	2188	2271	2288
37.5	1958	2013	2102	2191	2215
40	1852	1909	2015	2114	2143
42.5	1735	1797	1921	2030	2066
45	1615	1681	1825	1949	1987
47.5	1491	1563	1730	1864	1911
50	1353	1439	1629	1779	1831
52.5	1221	1321	1535	1695	1748
55	1083	1204	1437	1606	1662
57.5	962	1093	1344	1521	1580
60	827	978	1244	1425	1469
62.5	715	871	1147	1308	1302
65	612	768	1048	1125	1107
67.5	522	672	944	949	928
70	436	579	794	778	749
72.5	353	488	626	601	563
75	279	404	484	437	401
77.5	209	314	341	280	253
80	148	214	214	157	141
82.5	91	121	97	61	55
85	49	55	35	34	34
87.5	16	15	16	15	15
90	0	0	0	0	0

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