

DATE: **FEBRUARY 3, 2004** PRINT DATE: **September 7, 2004**

TEST NO: **LTL12606**

MANUFACTURER: **LITHONIA LIGHTING**

LUMINAIRE CATALOG NO.: **2RT5 2 24T5HO LP**

LUMINAIRE DESCRIPTION: **VOLUMETRIC RECESSED LIGHTING FIXTURE.**

LAMP CATALOG NO.: **FP24/835/HO**

LAMP DESCRIPTION: **TWO 24-WATT T-5 HIGH OUTPUT LINEAR FLUORESCENT, RATED 1760 LUMENS EACH AT 25C AMBIENT.**

LUMENS PER LAMP: **1760**

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Ave	Lumens
0	1104	1104	1104	1104	1104	1104	
5	1098	1096	1097	1101	1103	1099	105
10	1086	1086	1090	1099	1105	1093	
15	1063	1065	1074	1085	1088	1075	303
20	1026	1030	1046	1063	1070	1047	
25	973	981	1006	1028	1037	1005	463
30	906	919	953	983	993	951	
35	826	844	889	926	939	885	553
40	735	759	817	862	878	811	
45	634	662	735	792	812	728	562
50	524	562	654	722	745	643	
55	413	466	572	648	673	557	499
60	311	374	489	567	586	470	
65	226	288	403	440	435	365	362
70	158	211	295	301	289	258	
75	97	139	176	162	147	150	161
80	48	67	73	56	46	61	
85	13	15	13	14	14	14	21
90	0	0	0	0	0	0	

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0° - 30°	870.7	24.7	28.8
0° - 40°	1423.7	40.4	47.0
0° - 60°	2484.2	70.6	82.0
0° - 90°	3028.0	86.0	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	3028.0	86.0	100.0

LUMINAIRE EFFICIENCY:86.0%

CIE CLASSIFICATION: Direct

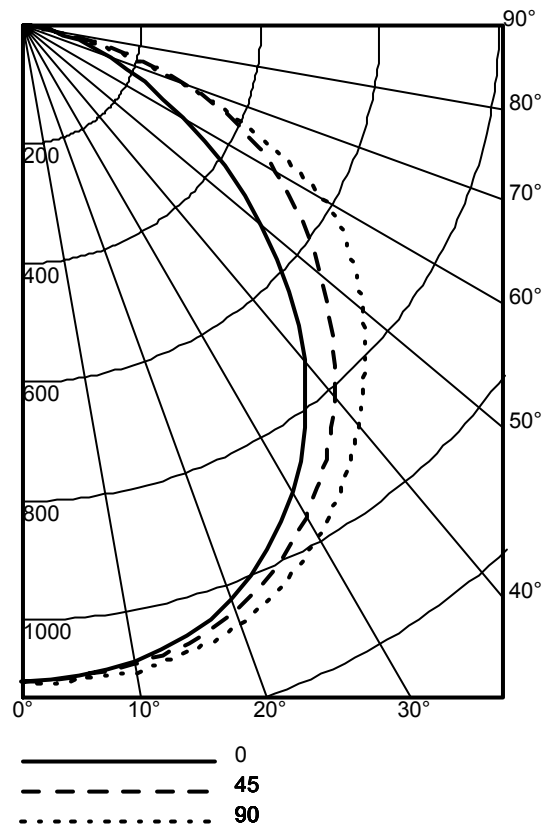
SPACING CRITERIA(0-Deg): 1.2

SPACING CRITERIA(90-Deg): 1.3

AVERAGE LUMINANCE (cd/m2)

	0°	45°	90°
45°	2604	3019	3336
55°	2092	2897	3408
65°	1553	2770	2990
75°	1089	1975	1650
85°	433	433	467

Calculations based on IES File Luminous Area:
23.16 in. W x 23.04 in. L x 0.0 in. H



— 0
- - - 45
· · · 90

TESTED BY: _____

DATE: **FEBRUARY 3, 2004** PRINT DATE: **September 7, 2004**

TEST NO: **LTL12606**

MANUFACTURER: **LITHONIA LIGHTING**

LUMINAIRE CATALOG NO.: **2RT5 2 24T5HO LP**

LUMINAIRE DESCRIPTION: **VOLUMETRIC RECESSED LIGHTING FIXTURE.**

LAMP CATALOG NO.: **FP24/835/HO**

LAMP DESCRIPTION: **TWO 24-WATT T-5 HIGH OUTPUT LINEAR FLUORESCENT, RATED 1760 LUMENS EACH AT 25C AMBIENT.**

LUMENS PER LAMP: **1760**

COEFFICIENTS OF UTILIZATION

pf	20%																		
	80%				50%				30%				10%				0%		
pc	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	102	102	102	102	96	96	96	92	92	92	88	88	88	86	86	86	86	86	86
1	94	90	87	84	85	82	80	81	79	77	78	77	75	73	73	73	73	73	73
2	86	79	73	69	74	70	66	72	68	65	69	66	63	62	62	62	62	62	62
3	78	70	63	57	66	60	56	63	59	55	61	57	54	52	52	52	52	52	52
4	72	62	54	49	58	53	48	57	51	47	55	50	46	45	45	45	45	45	45
5	66	55	48	42	52	46	41	51	45	41	49	44	40	39	39	39	39	39	39
6	61	50	42	37	47	41	36	46	40	36	45	40	36	34	34	34	34	34	34
7	57	45	38	32	43	37	32	42	36	32	41	36	32	30	30	30	30	30	30
8	53	41	34	29	39	33	29	38	33	29	37	32	28	27	27	27	27	27	27
9	49	38	31	26	36	30	26	35	30	26	34	29	26	24	24	24	24	24	24
10	46	35	28	24	34	28	23	33	27	23	32	27	23	22	22	22	22	22	22

SINGLE LUMINAIRE PERFORMANCE

Task Height: 2.5ft.

50% beam - 66.1° 10% beam - 109.9°

Mounting Height	Initial FC		50% beam - 66.1°		10% beam - 109.9°	
	Center	Beam Diameter	FC	Diameter	FC	Diameter
8.0	35.4	7.2	17.7	15.7	3.5	3.5
10.0	19.3	9.8	9.5	21.4	1.9	1.9
12.0	12.1	12.4	5.9	27.1	1.2	1.2
14.0	8.3	15.0	4.1	32.8	0.8	0.8
16.0	6.1	17.6	2.9	38.5	0.6	0.6