



DATE: JUNE 2, 2005 PRINT DATE: July 12, 2005
MANUFACTURER: LITHONIA GENERAL FLUORESCENT

TEST NO: LTL14130

LUMINAIRE CATALOG NO.: 2RT5 14T5 GEB115
LUMINAIRE DESCRIPTION: VOLUMETRIC LIGHTING 2 X 2, 2 LAMP F14T5 GEB115

LAMP CATALOG NO.: FP14/841 #04-01 & #04-02
LAMP DESCRIPTION: TWO 14-WATT T5 LINEAR FLUORESCENT

OTHER: LCS TEMP (BL) DEG C: #04-01-38.7 #04-02-38.5 AMB=25.4: LCS (FIXT) DEG C: #04-01 = 47.6 #04-02- 47.8 AMB-25.0
RT5 TROFFER CLEAR ACRYLIC PRISMATIC LENS w/MYLAR INLAYS, MVOLT ELECT. PAINT REFL. > .88

LUMENS PER LAMP: 1220

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Ave	Lumens
0	776	776	776	776	776	776	
5	778	773	768	768	770	771	73
10	767	762	758	763	768	763	
15	749	745	743	748	751	747	211
20	723	721	722	729	733	725	
25	688	686	691	701	707	694	319
30	641	642	650	666	675	654	
35	583	587	605	627	638	607	379
40	516	525	554	584	598	555	
45	443	459	499	539	557	499	385
50	367	391	445	495	513	443	
55	293	326	392	452	473	388	348
60	226	263	340	406	425	334	
65	167	205	287	325	319	265	261
70	118	152	219	218	212	189	
75	73	103	129	124	114	112	120
80	37	52	57	45	40	48	
85	11	13	10	9	9	11	17
90	0	0	0	0	0	0	

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0° - 30°	603.5	24.7	28.6
0° - 40°	982.8	40.3	46.5
0° - 60°	1716.0	70.3	81.2
0° - 90°	2113.4	86.6	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	2113.4	86.6	100.0

LUMINAIRE EFFICIENCY: 86.6%

CIE CLASSIFICATION: Direct

SPACING CRITERIA(0-Deg): 1.2

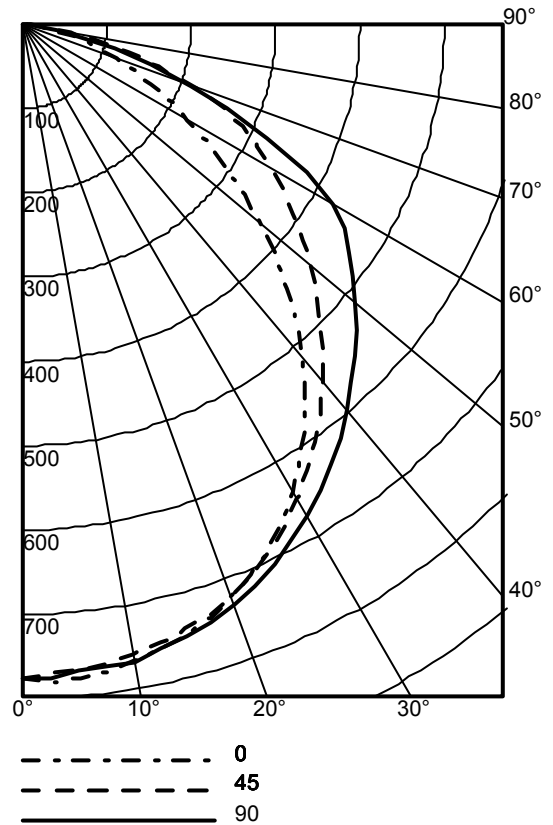
SPACING CRITERIA(90-Deg): 1.3

AVERAGE LUMINANCE (cd/m2)

	0°	45°	90°
45°	1858	2093	2336
55°	1515	2027	2446
65°	1172	2014	2239
75°	837	1478	1306
85°	374	340	306

Calculations based on IES File Luminous Area:

22.92 in. W x 22.8 in. L x 0.0 in. H



TESTED BY: _____



LITHONIA LIGHTING - Lithonia Testing Laboratories

AN AcuityBrands™ COMPANY
www.lithonia.com

P.O. BOX A, CONYERS, GA 30013-9912
E-mail lithonia@lithonia.com

DATE: JUNE 2, 2005 PRINT DATE: July 12, 2005

TEST NO: LTL14130

MANUFACTURER: LITHONIA GENERAL FLUORESCENT

LUMINAIRE CATALOG NO.: 2RT5 14T5 GEB115

LUMINAIRE DESCRIPTION: VOLUMETRIC LIGHTING 2 X 2, 2 LAMP F14T5 GEB115

LAMP CATALOG NO.: FP14/841 #04-01 & #04-02

LAMP DESCRIPTION: TWO 14-WATT T5 LINEAR FLUORESCENT

OTHER: LCS TEMP (BL) DEG C: #04-01-38.7 #04-02-38.5 AMB=25.4: LCS (FIXT) DEG C: #04-01 = 47.6 #04-02- 47.8 AMB-25.0
RT5 TROFFER CLEAR ACRYLIC PRISMATIC LENS w/MYLAR INLAYS, MVOLT ELECT. PAINT REFL. > .88

LUMENS PER LAMP: 1220

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%
pw	103	103	103	103	96	96	96	92	92	92	88	88	88	87	87	87	87	87	87
0	103	103	103	103	96	96	96	92	92	92	88	88	88	87	87	87	87	87	87
1	95	91	87	84	85	83	80	82	80	78	79	77	75	74	74	74	74	74	74
2	86	79	74	69	75	70	66	72	68	65	69	66	64	62	62	62	62	62	62
3	79	70	63	57	66	60	56	64	59	55	61	57	54	52	52	52	52	52	52
4	72	62	54	49	59	53	48	57	51	47	55	50	46	45	45	45	45	45	45
5	66	55	48	42	53	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	40	33	29	38	33	28	37	32	28	27	27	27	27	27	27
9	49	38	31	26	36	30	26	35	30	26	35	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 - 65.2° 10% beam - 109.7°

Mounting Height	Initial FC		50% beam - 65.2°		10% beam - 109.7°	
	Center	Beam Diameter	FC	Diameter	FC	Diameter
8.0	24.8	7.0	12.4	15.6	2.5	2.5
10.0	13.5	9.6	6.7	21.3	1.3	1.3
12.0	8.5	12.2	4.2	27.0	0.8	0.8
14.0	5.9	14.7	2.8	32.7	0.6	0.6
16.0	4.3	17.3	2.1	38.3	0.4	0.4



DATE: **JUNE 2, 2005** PRINT DATE: **July 12, 2005**
MANUFACTURER: **LITHONIA GENERAL FLUORESCENT**

TEST NO: **LTL14130**

LUMINAIRE CATALOG NO.: **2RT5 14T5 GEB115**
LUMINAIRE DESCRIPTION: **VOLUMETRIC LIGHTING 2 X 2, 2 LAMP F14T5 GEB115**
LAMP CATALOG NO.: **FP14/841 #04-01 & #04-02**
LAMP DESCRIPTION: **TWO 14-WATT T5 LINEAR FLUORESCENT**

OTHER: **LCS TEMP (BL) DEG C: #04-01-38.7 #04-02-38.5 AMB=25.4: LCS (FIXT) DEG C: #04-01 = 47.6 #04-02- 47.8 AMB-25.0**
RT5 TROFFER CLEAR ACRYLIC PRISMATIC LENS w/MYLAR INLAYS, MVOLT ELECT. PAINT REFL. > .88
LUMENS PER LAMP: **1220**

IESNA Visual Comfort Probability
Threshold Index of Sensation = 5

Room		Viewing = Lengthwise Mounting Height				Viewing = Crosswise Mounting Height			
W	L	8.5	10	13	16	8.5	10	13	16
20	20	69	74	82	90	60	66	75	87
20	30	67	70	75	82	60	61	64	72
20	40	68	69	72	77	62	61	61	65
20	60	69	70	71	75	64	63	61	63
30	20	70	74	80	88	64	68	75	86
30	30	68	69	72	79	63	63	64	71
30	40	68	68	69	74	65	63	60	64
30	60	69	68	68	71	67	64	60	61
40	20	73	75	80	87	68	71	76	86
40	30	70	70	72	77	66	65	65	71
40	40	69	68	68	72	67	65	61	64
40	60	70	68	67	69	69	66	61	61
60	20	75	77	80	86	71	73	78	86
60	30	72	72	72	77	69	68	67	72
60	40	72	70	68	71	70	67	63	65
60	60	72	69	66	68	71	68	62	61
100	20	79	80	83	87	76	78	81	88
100	30	76	76	75	79	74	72	71	76
100	40	76	74	72	73	74	71	67	69
100	60	76	73	69	69	75	72	66	65