

DATE: **SEPTEMBER 9, 2004** PRINT DATE: **September 16, 2004**

TEST NO: **LTL13316**

MANUFACTURER: **LITHONIA GENERAL FLUORESCENT**

LUMINAIRE CATALOG NO.: **RT5 1 28 PSN**

LUMINAIRE DESCRIPTION: **RECESSED TROFFER FOR T5 LAMPS, 1' X 4', 1 LAMP T5 28-WATT, CLEAR ACRYLIC PRISMATIC DIFFUSER w/MYLAR INLAY, ELECTRONIC PROGRAMMED START BALLAST PAINT REFL >.88**

LAMP CATALOG NO.: **FP28/835/ECO**

LAMP DESCRIPTION: **ONE (1) 28-WATT T5 LINEAR FLUORESCENT**

LUMENS PER LAMP: **2730**

**CANDELA DISTRIBUTION**

	0	22.5	45	67.5	90	Ave	Lumens
0	862	862	862	862	862	862	
5	848	847	869	860	862	858	81
10	838	837	858	848	850	847	
15	814	815	845	840	844	832	235
20	785	790	819	818	824	808	
25	747	754	785	786	792	774	356
30	693	704	738	751	759	730	
35	636	652	695	712	723	685	428
40	566	589	642	669	682	631	
45	492	524	586	622	636	574	442
50	409	454	525	566	580	510	
55	331	385	465	509	523	447	399
60	257	315	398	439	438	375	
65	189	247	328	327	323	290	287
70	135	188	235	224	210	205	
75	85	127	142	119	106	121	129
80	44	64	61	40	33	51	
85	15	15	11	13	13	13	19
90	0	0	0	0	0	0	

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Fixture
0° - 30°	672.3	24.6	28.3
0° - 40°	1099.9	40.3	46.3
0° - 60°	1940.4	71.1	81.7
0° - 90°	2375.2	87.0	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	2375.2	87.0	100.0

**LUMINAIRE EFFICIENCY:**87.0%

**CIE CLASSIFICATION:** Direct

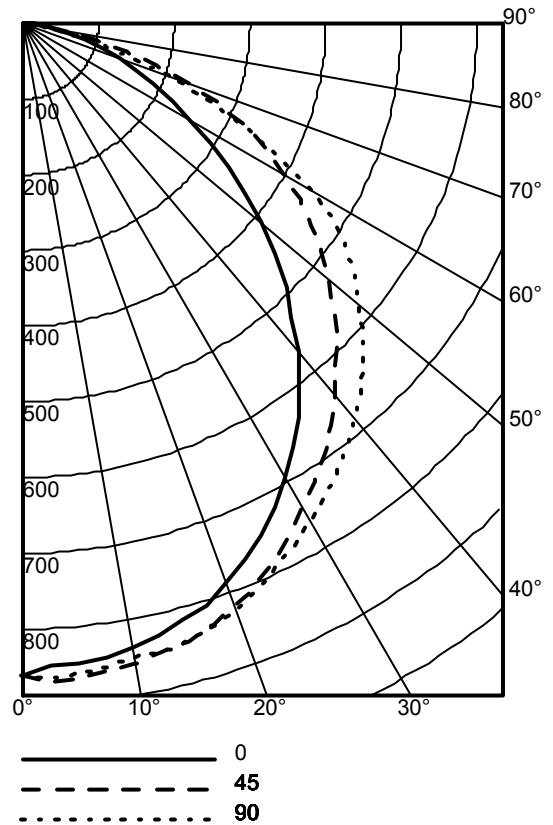
**SPACING CRITERIA(0-Deg):** 1.2

**SPACING CRITERIA(90-Deg):** 1.3

**AVERAGE LUMINANCE (cd/m2)**

	0°	45°	90°
45°	1955	2328	2527
55°	1621	2277	2561
65°	1256	2180	2147
75°	923	1541	1150
85°	483	355	419

Calculations based on IES File Luminous Area:  
11.76 in. W x 46.92 in. L x 0.0 in. H



TESTED BY: \_\_\_\_\_

DATE: **SEPTEMBER 9, 2004** PRINT DATE: **September 16, 2004**

TEST NO: **LTL13316**

MANUFACTURER: **LITHONIA GENERAL FLUORESCENT**

LUMINAIRE CATALOG NO.: **RT5 1 28 PSN**

LUMINAIRE DESCRIPTION: **RECESSED TROFFER FOR T5 LAMPS, 1' X 4', 1 LAMP T5 28-WATT, CLEAR ACRYLIC PRISMATIC DIFFUSER w/MYLAR INLAY, ELECTRONIC PROGRAMMED START BALLAST PAINT REFL >.88**

LAMP CATALOG NO.: **FP28/835/ECO**

LAMP DESCRIPTION: **ONE (1) 28-WATT T5 LINEAR FLUORESCENT**

LUMENS PER LAMP: **2730**

**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	104	104	104	104	97	97	97	93	93	93	89	89	89	87	87	87	87	87	87
1	95	91	88	85	86	83	81	82	80	78	79	77	76	74	74	74	74	74	74
2	87	80	74	69	75	71	67	72	69	65	70	67	64	62	62	62	62	62	62
3	79	70	63	58	66	61	56	64	59	55	62	58	54	52	52	52	52	52	52
4	72	62	55	49	59	53	48	57	52	47	55	50	47	45	45	45	45	45	45
5	67	56	48	42	53	46	42	51	45	41	49	45	41	39	39	39	39	39	39
6	62	50	42	37	48	41	36	46	40	36	45	40	36	34	34	34	34	34	34
7	57	45	38	33	43	37	32	42	36	32	41	36	32	30	30	30	30	30	30
8	53	41	34	29	40	33	29	39	33	29	38	32	28	27	27	27	27	27	27
9	50	38	31	26	36	30	26	36	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 - 65.3°    10% beam - 110.5°

Mounting Height	Initial FC		50% beam - 65.3°		10% beam - 110.5°	
	Center	Beam Diameter	FC	Diameter	FC	Diameter
8.0	26.4	7.1	13.2	15.9	2.6	2.6
10.0	14.7	9.6	7.3	21.6	1.4	1.4
12.0	9.3	12.2	4.6	27.4	0.9	0.9
14.0	6.4	14.7	3.2	33.2	0.6	0.6
16.0	4.7	17.3	2.3	38.9	0.4	0.4