

DATE: **APRIL 30, 2004** PRINT DATE: **September 7, 2004**

TEST NO: **LTL13260**

MANUFACTURER: **LITHONIA LIGHTING**

LUMINAIRE CATALOG NO.: **2RT5 2 28T5 LPM**

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

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

LAMP DESCRIPTION: **TWO 28-WATT T-5 LINEAR FLUORESCENT, RATED 2730 LUMENS EACH AT 25C AMBIENT.**

LUMENS PER LAMP: **2730**

CANDELA DISTRIBUTION

	0	22.5	45	67.5	90	Ave	Lumens
0	1770	1770	1770	1770	1770	1770	
5	1766	1772	1755	1759	1750	1761	167
10	1742	1750	1735	1746	1740	1743	
15	1695	1707	1700	1717	1707	1706	482
20	1632	1648	1652	1678	1675	1658	
25	1555	1573	1591	1622	1623	1594	734
30	1456	1477	1508	1548	1553	1509	
35	1339	1363	1413	1461	1473	1411	881
40	1198	1230	1298	1358	1375	1293	
45	1044	1085	1176	1254	1280	1169	901
50	874	928	1053	1144	1177	1038	
55	695	775	928	1034	1071	905	810
60	529	629	802	916	944	771	
65	393	495	678	728	715	614	605
70	278	372	513	501	481	441	
75	179	260	314	280	257	268	286
80	95	137	140	102	88	118	
85	30	34	23	19	21	25	41
90	0	0	0	0	0	0	

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1383.0	25.3	28.2
0° - 40°	2264.0	41.5	46.1
0° - 60°	3975.7	72.8	81.0
0° - 90°	4908.3	89.9	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	4908.3	89.9	100.0

LUMINAIRE EFFICIENCY:89.9%

CIE CLASSIFICATION: Direct

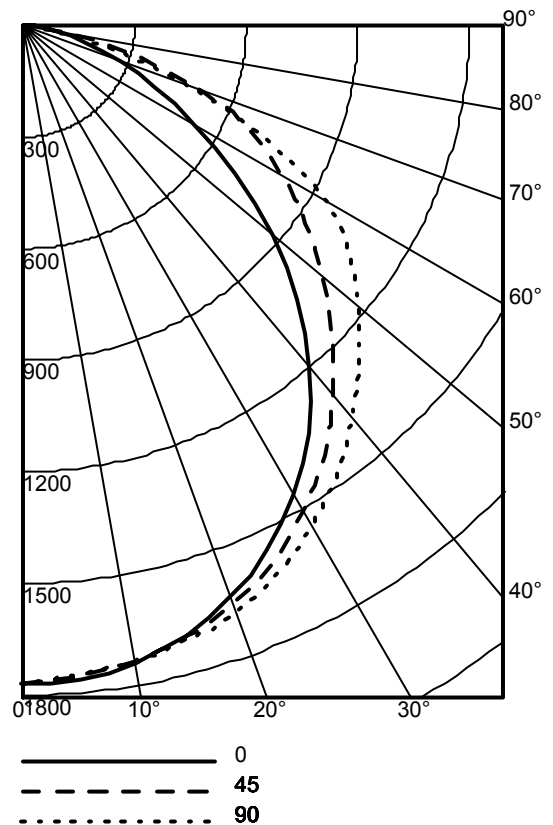
SPACING CRITERIA(0-Deg): 1.2

SPACING CRITERIA(90-Deg): 1.3

AVERAGE LUMINANCE (cd/m2)

	0°	45°	90°
45°	2095	2360	2569
55°	1719	2296	2650
65°	1320	2277	2401
75°	981	1722	1409
85°	488	374	342

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



— 0
- - - 45
... 90

TESTED BY: _____

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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	107	107	107	107	100	100	100	96	96	96	92	92	92	90	90	90	90	90	90
1	98	94	91	87	88	86	83	85	83	81	82	80	78	76	76	76	76	76	76
2	89	82	76	71	77	73	69	74	71	67	72	69	66	64	64	64	64	64	64
3	82	72	65	59	68	63	58	66	61	57	63	59	56	54	54	54	54	54	54
4	75	64	56	50	61	54	49	59	53	49	57	52	48	46	46	46	46	46	46
5	69	57	49	43	54	48	43	53	47	42	51	46	42	40	40	40	40	40	40
6	63	52	44	38	49	42	37	48	42	37	46	41	37	35	35	35	35	35	35
7	59	47	39	33	45	38	33	43	37	33	42	37	33	31	31	31	31	31	31
8	55	43	35	30	41	34	30	40	34	29	39	33	29	27	27	27	27	27	27
9	51	39	32	27	38	31	27	37	31	26	36	30	26	25	25	25	25	25	25
10	48	36	29	24	35	28	24	34	28	24	33	28	24	22	22	22	22	22	22

SINGLE LUMINAIRE PERFORMANCE

Task Height: 2.5ft.

50% beam - 66.5° 10% beam - 110.9°

Mounting Height	Initial FC		50% beam - 66.5°		10% beam - 110.9°	
	Center	Beam Diameter	FC	Diameter	FC	Diameter
8.0	53.4	7.2	26.7	16.0	5.3	5.3
10.0	30.0	9.8	14.7	21.8	2.9	2.9
12.0	19.0	12.5	9.2	27.6	1.8	1.8
14.0	13.2	15.1	6.3	33.4	1.2	1.2
16.0	9.6	17.7	4.6	39.2	0.9	0.9