



PARASQUARE 6

5/8" x 5/8" x 1/2" hexagonal cell
PHOTOMETRIC TEST DATA

Catalog Number: P6-24-1
 Building Acoustics & Lighting Laboratories, Inc.
 Certified Test Report: 5442.0 8/04/88
 Commercially available **2x4 troffer**: Refl=92%
 4-40 Watt Lamps: F40T12RS/WW
 Rated Lumens: 3200
 Watts: 176

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
.0	3542.	3542.	3542.	3542.	3542.	
5.0	3548.	3537.	33541.	3541	3545.	338.0
10.0	3524.	3518.	3530.	3525.	3531.	
15.0	3458.	3463.	3463.	3474.	3484.	983.
20.0	3393.	3399.	3403	3416.	3434.	
25.0	3174.	3152.	3147.	3179.	3202.	1465.7
30.0	2954.	2905.	2891.	2941.	2970.	
35.0	2638.	2575.	2515.	2587.	2652.	1621.1
40.0	2346.	2343.	2207.	2272.	2448.	
45.0	1520.	1388.	1315.	1450.	1452.	1091.8
50.0	313.	158.	175.	199.	84.	
55.0	12.	13.	12.	13.	14.	11.4
60.0	6.	6.	7.	6.	6.	
65.0	7.	6.	6.	5.	6.	5.8
70.0	0.	0.	2.	2.	0.	
75.0	0.	0.	0.	0.	0.	0.
80.0	0.	0.	0.	0.	0.	
85.0	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	

TESTED IN ACCORDANCE WITH CURRENT
IES PRODEDURES.

IES SPACING CRITERIA:
 END: 1.2
 DIAGONAL: 1.2
 CROSS: 1.2

VISUAL COMFORT PROBABILITY 100. FC WORK PLANE ILLUMINATION

REFLECTANCES:
 WALL= .50
 CEILING CAVITY= .80
 FLOOR CAVITY= .20

LUMINAIRES LENGTHWISE LUMINAIRES CROSSWISE

ROOM DIM	MOUNTING HEIGHT														
		W	L	8.5	10	13	16	8.5	10	13	16				
20	20	100	99	98	90	100	99	98	91						
20	30	100	99	99	93	100	99	99	94						
20	40	100	99	99	95	100	99	99	95						
20	60	100	99	99	96	100	99	99	96						
30	20	100	99	99	93	100	99	99	94						
30	30	100	99	99	95	100	99	99	96						
30	40	100	100	99	96	100	100	99	97						
30	60	100	100	99	97	100	100	100	97						
30	80	100	100	100	98	100	100	100	98						
40	20	100	99	99	95	100	99	99	95						
40	30	100	100	99	96	100	100	99	97						
40	40	100	100	99	97	100	100	100	97						
40	60	100	100	100	98	100	100	100	98						
40	80	100	100	100	98	100	100	100	98						
40	100	100	100	100	98	100	100	100	99						
60	30	100	100	99	97	100	100	100	97						
60	40	100	100	100	98	100	100	100	98						
60	60	100	100	100	98	100	100	100	98						
60	80	100	100	100	98	100	100	100	99						
60	100	100	100	100	99	100	100	100	99						
100	40	100	100	100	98	100	100	100	99						
100	60	100	100	100	99	100	100	100	99						
100	80	100	100	100	99	100	100	100	99						
100	100	100	100	100	99	100	100	100	99						

LUMEN SUMMARY

ZONE	LUMENS	PCT LAMP	PCT FIXT
0-30	2787.	21.8	50.5
0-40	4408.	34.4	79.9
0-60	5511.	43.1	99.9
0-90	5517.	43.1	100.0

LUMINANCES

ZONE	AVG PAR	MAX PAR	MX/AV RATIO	AVG NORM	MAX NORM	MX/AV RATIO
45	1010.	1181	1.2	965.	965	.9
55	10.	42	4.3	11.	63	5.5
65	8.	30	3.9	7.	30	4.5
75	0.	0	0	0.	0	.0
85	0.	0	0.	0.	0	.0

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING																
	.80	.70	.50	.30	.10	.00										
WALL RCR	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00	
	0	.51	.51	.51	.51	.50	.50	.50	.50	.48	.48	.48	.46	.46	.44	.44
1	.49	.48	.46	.45	.48	.47	.46	.45	.45	.44	.43	.43	.43	.42	.41	.40
2	.46	.44	.42	.41	.45	.43	.42	.40	.42	.41	.39	.41	.40	.39	.39	.37
3	.44	.41	.38	.37	.43	.40	.39	.36	.39	.37	.36	.38	.36	.35	.37	.34
4	.41	.38	.35	.33	.40	.37	.35	.33	.36	.34	.33	.35	.34	.32	.35	.31
5	.39	.35	.32	.30	.38	.34	.32	.30	.34	.31	.30	.33	.31	.29	.32	.28
6	.36	.32	.29	.27	.36	.32	.29	.27	.31	.29	.27	.31	.29	.27	.30	.26
7	.34	.30	.27	.25	.33	.29	.27	.25	.29	.26	.25	.28	.26	.24	.28	.24
8	.32	.27	.24	.22	.31	.27	.24	.22	.26	.24	.22	.26	.24	.22	.25	.21
9	.29	.25	.22	.20	.29	.24	.22	.20	.24	.21	.20	.24	.21	.20	.23	.19
10	.27	.23	.20	.18	.27	.22	.20	.18	.22	.19	.18	.22	.19	.18	.21	.17





PHOTOMETRIC TEST DATA

Catalog Number:
Building Acoustics & Lighting Laboratories, Inc.
Certified Test Report:
Commercially available **2x4 troffer**: Refl=92%
3-32 Watt T8 Lamps: F32T8/735/RS
Rated Lumens: 2850
Watts: 87

TESTED IN ACCORDANCE WITH CURRENT
IES PRODEDURES.

IES SPACING CRITERIA:
END:
DIAGONAL:
CROSS:

