PARASQUARE 5

3/4" x 3/4" x 3/8"cell size

PHOTOMETRIC TEST DATA

Catalog Number: P5-24-1
Building Acoustics & Lighting Laboratories, Inc.
Certified Test Report: 8641.0 1/22/96
Commercially available **2x4 troffer**: Refl=92%
3-32 Watt T8 Lamps: F32T8/735/RS
Rated Lumens: 2850
Watts: 87

CANDLEPOWER DISTRIBUTION

HORIZONTAL ANGLE

VERT ANG	0	22.5	45	67.5	90	ZONAL LUMENS
0	2641.	2641.	2641.	2641.	2641.	
5	2660.	2675.	2685.	2688.	2676.	255.7
10	2663.	2681.	2702.	2737.	2743.	
15	2618.	2652.	2707.	2719.	2714.	761.4
20	2538.	2575.	2644.	2748.	2756.	
25	2383.	2427.	2554.	2644.	2663.	1174.3
30	2175.	2248.	2400.	2507.	2564.	
35	2035.	2130.	2315.	2470.	2517.	1443.4
40	1832.	1980.	2204.	2351.	2413.	
45	1711.	1916.	2164.	2361.	2395.	1644.5
50	1445.	1664.	1890.	2052.	2104.	
55	1181.	1350.	1508.	1638.	1726.	1334.4
60	499.	699.	787.	782.	688.	
65	13.	53.	157.	13.	11.	58.3
70	6.	6.	8.	8.	8.	
75	6.	6.	6.	6.	6.	6.3
80	4.	4.	4.	4.	4.	
85	1.	1.	1.	1.	1.	1.1
90	0.	0.	0.	0.	0.	

TESTED IN ACCORDANCE WITH CURRENT IES PRODEDURES.

IES SPACING CRITERIA:
END: 1.2
DIAGONAL: 1.4
CROSS: 1.5

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2191.	25.6	32.8	90-120	0.	.0	.0
0- 40	3635.	42.5	54.4	90-130	0.	.0	.0
0- 60	6614.	77.4	99.0	90-150	0.	.0	.0
0- 90	6680.	78.1	100.0	90-180	0.	.0	.0
		TOTAL LUMINAIRE		0-180	6680.	78.1	100.0

LUMINANCES-CD/SQ-M
HORIZONTAL ANGLE

VERT ANGLE	0 AVG	0 MAX	0 MAX/AV RATIO	45 AVG	45 MAX	90 AVG	90 MAX	90 MAX/AV RATIO
45	3904.	7279	1.9	4938.	5465.	8996	1.6	
55	3322.	6313	1.9	4242.	4855.	7894	1.6	
65	50.	856	17.2	599.	42.	904	21.5	
75	37.	275	7.4	37.	37.	231	6.2	
85	19.	476	25.7	19.	19.	275	14.9	

VISUAL COMFORT PROBABILITY
100. FC WORK PLANE ILLUMINATION

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

ROOM DIM		LUMINAIRES LENGTHWISE				LUMINAIRES CROSSWISE			
		MOUNTING HEIGHT							
W	L	8.5	10	13	16	8.5	10	13	16
20	20	87	78	70	76	84	74	64	70
20	30	89	82	76	74	87	79	72	69
20	40	91	85	80	77	89	82	77	72
20	60	92	87	83	80	91	84	80	76
30	20	90	83	73	73	88	80	68	69
30	30	92	86	79	71	91	84	75	67
30	40	93	88	82	76	92	86	79	73
30	60	94	90	85	79	93	88	82	76
30	80	95	91	87	81	94	89	84	79
40	20	92	87	77	74	91	84	73	71
40	30	94	89	82	73	93	87	79	70
40	40	95	91	86	77	94	89	83	75
40	60	95	92	88	80	95	90	85	78
40	80	96	93	89	83	95	91	87	81
40	100	96	94	90	84	96	92	89	82
60	30	95	91	85	76	94	89	82	74
60	40	96	92	88	80	95	91	86	78
60	60	96	93	89	83	96	92	88	81
60	80	97	94	91	85	96	93	89	83
60	100	97	95	92	87	96	94	90	85
100	40	97	94	91	85	96	93	89	83
100	60	97	95	92	87	97	94	90	85
100	80	97	96	93	88	97	95	92	87
100	100	98	96	94	89	97	95	93	88

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	.50	.30	.10	.00	
0	.93	.93	.93	.93	.91	.91	.91	.91	.87	.87	.87	.83	.83	.83	.80	.80	.80	.78	
1	.87	.85	.82	.80	.85	.83	.81	.79	.80	.78	.76	.77	.75	.74	.74	.73	.72	.70	
2	.82	.77	.73	.70	.80	.76	.72	.69	.73	.70	.67	.71	.68	.66	.68	.66	.65	.63	
3	.76	.70	.65	.61	.74	.69	.64	.60	.66	.63	.59	.64	.61	.58	.63	.60	.57	.56	
4	.70	.63	.57	.53	.69	.62	.57	.53	.60	.56	.52	.58	.54	.51	.57	.53	.51	.49	
5	.65	.56	.51	.46	.63	.56	.50	.46	.54	.49	.45	.53	.48	.45	.51	.48	.45	.43	
6	.60	.51	.45	.40	.58	.50	.44	.40	.49	.44	.40	.47	.43	.39	.46	.42	.39	.38	
7	.55	.45	.39	.35	.54	.45	.39	.35	.44	.38	.34	.43	.38	.34	.42	.37	.34	.33	
8	.50	.40	.34	.30	.49	.40	.34	.30	.39	.34	.30	.38	.33	.30	.37	.33	.29	.28	
9	.46	.36	.30	.26	.45	.36	.30	.26	.35	.29	.25	.34	.29	.25	.33	.28	.25	.24	
10	.43	.33	.27	.23	.42	.32	.26	.22	.31	.26	.22	.31	.26	.22	.30	.25	.22	.21	