



PARASQUARE 1

5/8" x 5/8" x 7/16" cell size

PHOTOMETRIC TEST DATA

Catalog Number: P1-24-1
 Building Acoustics & Lighting Laboratories, Inc.
 Certified Test Report: 8639.0 1/22/96
 Commercially available **2x4 troffer**: Refl=92%
3-32 Watt T8 Lamps: F32T8/735/RS
 Rated Lumens: 2850
 Watts: 87

CANDLEPOWER DISTRIBUTION

VERT ANG	HORIZONTAL ANGLE					ZONAL LUMENS
	0	22.5	45	67.5	90	
0	2343.	2343.	2343.	2343.	2343.	
5	2351.	2343.	2318.	2302.	2304.	221.7
10	2361.	2323.	2340.	2390.	2418.	
15	2333.	2294.	2432.	2440.	2437.	676.8
20	2206.	2239.	2335.	2396.	2445.	
25	2069.	2157.	2263.	2414.	2413.	1050.1
30	1866.	1965.	2164.	2265.	2315.	
35	1713.	1835.	2042.	2213.	2234.	1266.4
40	1461.	1583.	1791.	1975.	2071.	
45	755.	987.	1166.	1085.	919.	789.0
50	118.	237.	379.	146.	112.	
55	8.	14.	29.	9.	8.	13.5
60	6.	6.	6.	6.	6.	
65	5.	5.	5.	5.	5.	5.0
70	4.	4.	4.	4.	4.	
75	3.	3.	3.	3.	3.	3.2
80	3.	3.	3.	3.	3.	
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	%FIX	ZONE	LUMENS	%LAMP	%FIXT
0- 30	1949.	22.8	48.4	90-120	0.	.0	.0
0- 40	3215.	37.6	79.8	90-130	0.	.0	.0
0- 60	4017.	47.0	99.8	90-150	0.	.0	.0
0- 90	4027.	47.1	100.0	90-180	0.	.0	.0
TOTAL LUMINAIRE:				0-180	4027.	47.1	100.0

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	99	94	100	99	99	92
20	30	100	99	99	96	100	99	99	95
20	40	100	99	99	97	100	99	99	96
20	60	100	99	99	97	100	99	99	96
30	20	100	99	99	95	100	99	99	94
30	30	100	100	99	97	100	99	99	96
30	40	100	100	100	98	100	99	99	97
30	60	100	100	100	98	100	100	99	97
30	80	100	100	100	98	100	100	99	98
40	20	100	100	99	97	100	99	99	96
40	30	100	100	100	98	100	100	99	97
40	40	100	100	100	98	100	100	100	98
40	60	100	100	100	98	100	100	100	98
40	80	100	100	100	99	100	100	100	98
40	100	100	100	100	99	100	100	100	98
60	30	100	100	100	98	100	100	100	98
60	40	100	100	100	98	100	100	100	98
60	60	100	100	100	99	100	100	100	98
60	80	100	100	100	99	100	100	100	98
60	100	100	100	100	99	100	100	100	99
100	40	100	100	100	99	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

LUMINANCES-CD/SQ-M HORIZONTAL ANGLE							
VERT ANGLE	0		45		90		MAX/AV RATIO
	AVG	MAX	MAX/AV RATIO	AVG	AVG	MAX	
45	1723.	3600	2.1	2661.	2097.	3189	1.5
55	23.	170	7.6	82.	23.	153	6.8
65	19.	139	7.3	19.	19.	139	7.3
75	19.	122	6.5	19.	19.	108	5.8
85	19.	323	17.4	19.	19.	261	14.1

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	.00
0	.56	.56	.56	.56	.55	.55	.55	.52	.52	.52	.50	.48
1	.53	.52	.51	.50	.52	.51	.50	.49	.48	.47	.47	.46
2	.50	.48	.46	.44	.49	.47	.45	.44	.46	.44	.43	.42
3	.48	.44	.42	.40	.47	.44	.41	.39	.42	.40	.39	.38
4	.45	.41	.38	.36	.44	.40	.38	.36	.39	.37	.35	.35
5	.42	.38	.35	.32	.41	.37	.34	.32	.36	.34	.32	.32
6	.40	.35	.32	.30	.39	.35	.32	.30	.34	.31	.29	.29
7	.37	.32	.29	.27	.36	.32	.29	.27	.31	.28	.26	.26
8	.34	.29	.26	.24	.34	.29	.26	.24	.28	.26	.24	.24
9	.32	.27	.23	.21	.31	.26	.23	.21	.26	.23	.21	.21
10	.30	.24	.21	.19	.29	.24	.21	.19	.24	.21	.19	.18





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