PHOTOMETRIC DATA, 2-32W 4' Model

CANDLEPOWER

Angle	0	45	90
0	1029	1029	1029
5	1022	1031	1030
15	987	1021	1042
25	916	995	1059
35	810	960	1058
45	677	898	1024
55	518	803	966
65	346	697	925
75	171	591	732
85	33	335	461
90	3	241	371
95	0	312	441
105	0	307	519
115	0	243	398
125	0	169	320
135	0	93	211
145	0	26	105
155	0	0	16
165	0	0	0
175	0	0	0
180	0	0	0

LIGHT GUIDE (T8 LAMPS AND ELECTRONIC BALLAST)

Footcandles	Area/fixture in sq.ft./lg. room, good conditions - 8' to 10' ceilings		
	1-32W	2-32W	4-32W
35	46	90	169
50	32	63	118
75	22	42	79
100	16	31.5	59

AVERAGE LUMINANCE CD/SQ.M

Angle	0	45	90
45	7509	8103	8310
55	7083	8003	8420
65	6421	8030	9004
75	5182	8371	8357
85	2969	6412	6609

LIGHT DISTRIBUTION

Zone	Lumens	%Lamp	%Fixture
0-30	844	14.8	15.6
0-40	1438	25.2	26.5
0-60	2811	49.3	51.8
0-90	4366	76.6	80.5
0-180	5427	95.2	100.0

COEFFICIENT OF UTILIZATION

RC	80			70			50	
RW	70	50	30	70	50	30	50	30
RCR								
1	97	92	87	93	88	84	81	77
2	87	79	72	83	75	69	69	64
3	79	69	60	75	66	58	60	54
4	72	60	51	68	58	50	53	46
5	65	53	44	62	50	42	46	39
6	60	47	38	57	45	37	41	34
7	55	42	33	52	40	32	37	30
8	51	37	29	48	36	28	33	26
9	47	33	25	44	32	24	30	23
10	43	30	23	41	29	22	27	20

Lamps = (2) F32T8 @ 2850 lumens ea. Input Watts = 59.5 LER = 85.4 Test #03153 Ballast = Electronic Ballast Factor = 93.6% S/MH: 0° = 1.3; 90° = 1.6
Comparative yearly lighting energy cost per 1000 lumens = $2.81 based on 3000 hrs. and $.08 per KWH

PHOTOMETRIC DATA, 2-40W 4' Model

CANDLEPOWER

Angle	0	45	90
0	1121	1121	1121
5	1106	1121	1127
15	1066	1112	1147
25	986	1092	1167
35	872	046	1164
45	723	977	1126
55	550	874	1047
65	357	742	906
75	167	567	738
85	28	349	504
90	3	286	443

LIGHT GUIDE (T12 LAMPS AND MAGNETIC BALLAST)

Footcandles	Area/fixture in sq.ft./lg. room, good conditions - 8' to 10' ceilings
	2-40W
35	110
50	77
75	51
100	33

AVERAGE LUMINANCE CD/SQ.M

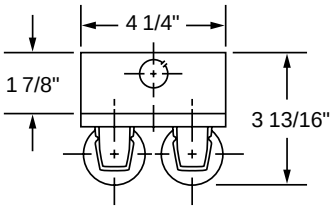
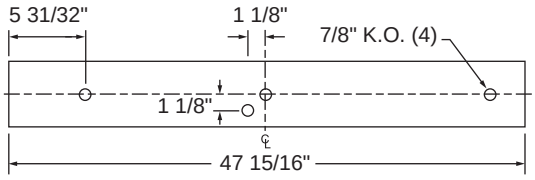
Angle	0	45	90
45	7623	8334	9021
55	7058	8415	9294
65	6087	8495	9334
75	4443	8318	9397
85	1820	7438	8748

LIGHT DISTRIBUTION

Zone	Lumens	%Lamp	%Fixture
0-30	924	14.7	16.1
0-40	1572	25.0	27.5
0-60	3062	48.6	53.5
0-90	4655	73.9	81.3
0-180	5726	90.9	100.0

COEFFICIENT OF UTILIZATION

RC	80			70			50	
RW	70	50	30	70	50	30	50	30
RCR								
1	93	87	83	88	84	79	77	73
2	83	75	68	79	71	65	65	60
3	75	65	56	71	62	54	57	50
4	68	57	48	65	54	46	50	43
5	63	50	41	59	48	40	44	37
6	57	45	36	55	43	35	40	33
7	53	40	32	50	39	31	36	29
8	49	36	28	47	35	28	32	26
9	46	33	26	44	32	25	30	23
10	43	31	23	41	29	23	27	21

Lamps = (2) F40T12 @ 3150 lumens ea. Input watts = 88 LER = 61.2 Test #00716 Ballast = Magnetic Ballast Factor = .94 S/MH: 0° = 1.2, 90° = 1.6
Comparative yearly lighting energy cost per 1000 lumens = $3.92 based on 3000 hrs. and $.08 per KWH

DRAWINGS AND DIMENSIONS