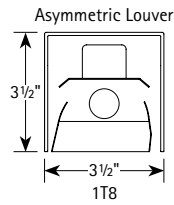


CROSS SECTION



Optional

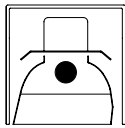


Standard

PHOTOMETRIC DATA

LUMINAIRE DATA Test 14938

Luminaire	MA-1T8-HEP-EP Microlyne® Beams 3.5" x 48" 1-Lamp with 15 Cell 1WW Louver
Ballast	REL-1P32-SC
Ballast Factor	0.92
Lamp	F32T8
Lumens per Lamp	2950
Watts	32
Shielding Angle	0° = 19 90° = 33



Tall Asymmetric Louver

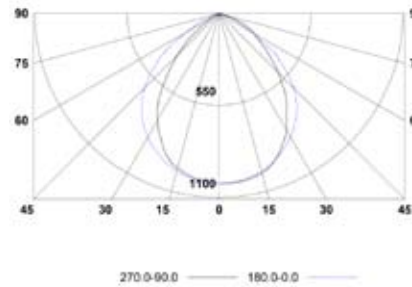
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	778	26.4	38.7
0-40	1234	41.8	61.4
0-60	1891	64.1	94.1
0-90	2010	68.1	100.0
0-180	2010	68.1	100.0

ENERGY DATA

Total Luminaire Efficiency	68.1%
Luminaire Efficacy Rating (LER)	58
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.14 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



CANDELA SUMMARY

Angle	90.0	135.0	180.0	225.0	270.0
0.0	1015	1015	1015	1015	1015
7.5	1012	1010	1005	997	998
15.0	988	985	976	964	957
22.5	919	933	923	902	871
30.0	805	841	853	798	735
37.5	662	715	761	646	555
45.0	503	561	632	470	345
52.5	347	393	452	279	153
60.0	244	229	229	121	32
67.5	142	109	82	25	4
75.0	23	28	1	3	0
82.5	2	1	0	0	0
90.0	0	0	0	0	0

Test Date 2/14/08