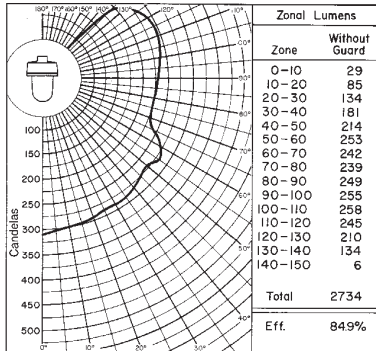


Lamp: 200W/PS-25

To determine number and placement of luminaires, see Lighting Selector Guide, pages 665 to 689.

NOTE: All data provided is for incandescent with 200W/PS-25 lamp. See Multipliers for other wattages and lamp types.

Luminaire With Globe

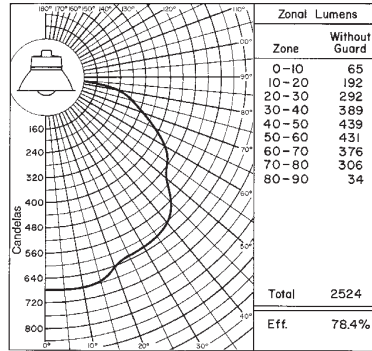


Coefficient of Utilization

Effective Floor Cavity Reflectance 20%

Eff. Ceil. Wall	% Reflectance Room Cavity Ratio					
	1	2	3	4	5	
80	50	.762	.651	.565	.494	.433
	30	.715	.585	.491	.416	.358
	10	.673	.529	.433	.357	.300
70	50	.708	.605	.526	.461	.406
	30	.667	.546	.460	.390	.335
	10	.626	.496	.407	.336	.282
50	50	.608	.519	.452	.395	.292
	30	.576	.473	.399	.339	.250
	10	.547	.432	.356	.295	.248
30	50	.516	.439	.382	.335	.297
	30	.492	.404	.342	.290	.250
	10	.469	.372	.307	.254	.215
10	50	.433	.366	.319	.279	.247
	30	.413	.339	.287	.244	.211
	10	.396	.315	.259	.215	.181
0	0	.354	.277	.226	.184	.154
% Reflectance Eff. Ceil. Wall	% Reflectance Room Cavity Ratio					
	6	7	8	9	10	
80	50	.389	.348	.312	.284	.253
	30	.312	.273	.240	.214	.185
	10	.258	.222	.190	.166	.141
70	50	.363	.324	.291	.266	.236
	30	.293	.256	.226	.201	.175
	10	.242	.208	.179	.157	.133
50	50	.312	.280	.252	.230	.205
	30	.256	.223	.198	.177	.153
	10	.213	.183	.158	.139	.117
30	50	.266	.238	.216	.197	.175
	30	.220	.193	.170	.152	.131
	10	.185	.158	.137	.121	.100
10	50	.223	.201	.180	.166	.147
	30	.185	.163	.144	.129	.110
	10	.156	.135	.116	.102	.084
0	0	.132	.112	.096	.084	.068

Luminaire With Globe and Dome Reflector

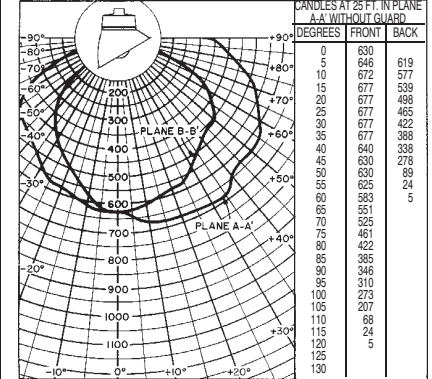


Coefficient of Utilization

Effective Floor Cavity Reflectance 20%

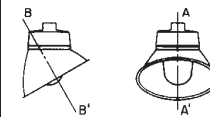
Eff. Ceil. Wall	% Reflectance Room Cavity Ratio					
	1	2	3	4	5	
80	50	.809	.703	.615	.541	.481
	30	.773	.647	.550	.470	.408
	10	.742	.601	.499	.416	.354
70	50	.791	.688	.604	.531	.470
	30	.758	.636	.542	.465	.403
	10	.729	.595	.494	.413	.315
50	50	.756	.659	.580	.510	.455
	30	.729	.617	.528	.453	.395
	10	.706	.579	.485	.408	.349
30	50	.726	.634	.558	.492	.439
	30	.705	.599	.514	.442	.385
	10	.684	.566	.477	.402	.344
10	50	.699	.610	.539	.475	.424
	30	.663	.580	.501	.431	.378
	10	.580	.553	.468	.396	.340
0	0	.647	.536	.451	.378	.323
% Reflectance Eff. Ceil. Wall	% Reflectance Room Cavity Ratio					
	6	7	8	9	10	
80	50	.431	.386	.347	.317	.277
	30	.360	.317	.280	.250	.211
	10	.309	.269	.231	.204	.169
70	50	.423	.380	.342	.312	.272
	30	.356	.312	.277	.247	.211
	10	.305	.265	.231	.204	.169
50	50	.408	.368	.331	.302	.265
	30	.348	.305	.272	.243	.207
	10	.303	.263	.229	.202	.167
30	50	.396	.355	.321	.294	.257
	30	.342	.301	.266	.238	.203
	10	.300	.260	.227	.201	.165
10	50	.383	.346	.311	.285	.250
	30	.334	.295	.262	.235	.200
	10	.297	.258	.225	.199	.163
0	0	.281	.243	.210	.184	.150

Luminaire With Globe and 30° Angle Reflector



Total Lumens
2595

Eff. %
80.6



Multipliers for Other Lamps

Photometric data was developed using a 200 watt/PS-25 inside frosted incandescent lamp (3,220 lumens). For other incandescent watts/lamp size, use the following conversion factors (multipliers):

Watts	Lamp Size	Lamp Lumens	Conversion Factor
100	A-19	1750	.54
100	A-21	1690	.52
150	A-21	2880	.89
150	PS-25	2680	.83
200	A-23	4010	1.25
300	PS-25	6360	1.98

Example: Zonal lumens for 200W/PS-25 luminaire with globe and dome reflector for 30-40° is 389. Zonal lumens for 100W/A-21 luminaire with globe and dome reflector for 30-40° is 389 x .52 = 202.