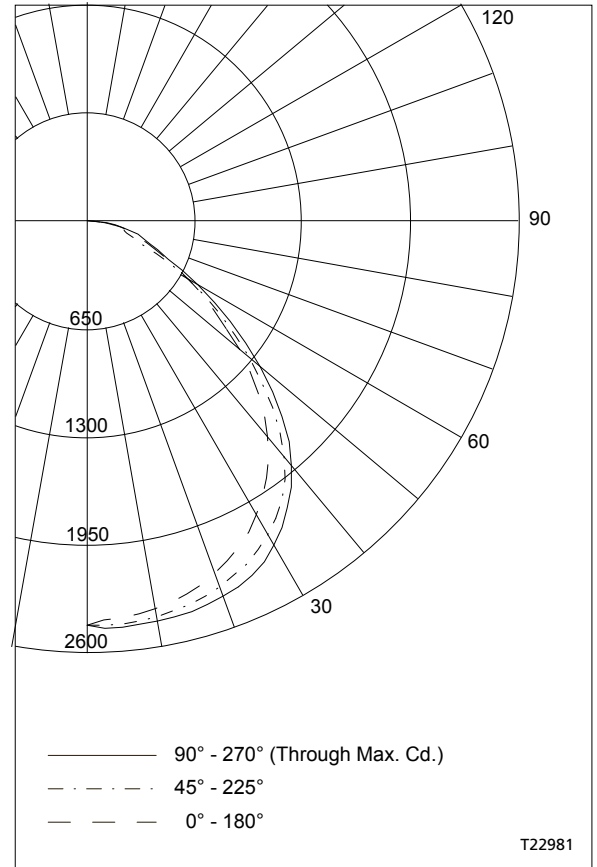


Number of Lamps	4
Lumens per Lamp	2080
Total Rated Lamp Lumens	8320
Total Luminaire Watts	82
Total Luminaire Efficiency	74.6%
Luminaire Efficacy Rating (LER)	76
Spacing Criteria (0-180)	1.2
Spacing Criteria (90-270)	1.4

Ballast Factor is 1.00.
 Calculations prepared from these data should include corrected ballast factor

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0-30	1,949	23.43	31.42
0-40	3,205	38.53	51.66
0-60	5,294	63.63	85.33
0-90	6,204	74.57	100.00
40-90	2,998	36.04	48.34
60-90	909	10.94	14.67
90-180	0	0.00	0.00
0-180	6,204	74.57	100.00



COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	89	89	89	89	87	87	87	87	83	83	83	79	79	79	76	76	76	75
1	82	79	76	73	80	77	74	72	74	71	69	71	69	67	68	67	65	64
2	75	69	65	61	73	68	64	60	65	62	59	63	60	57	61	58	56	54
3	69	62	56	51	67	60	55	51	58	54	50	56	52	49	54	51	48	47
4	63	55	49	44	62	54	48	44	52	47	43	50	46	43	49	45	42	41
5	59	49	43	38	57	49	43	38	47	42	38	46	41	37	44	40	37	35
6	54	45	38	34	53	44	38	34	43	37	33	41	37	33	40	36	33	31
7	50	41	34	30	49	40	34	30	39	34	30	38	33	29	37	33	29	28
8	47	37	31	27	46	37	31	27	36	30	27	35	30	26	34	30	26	25
9	44	34	28	24	43	34	28	24	33	28	24	32	27	24	31	27	24	23
10	41	32	26	22	40	31	26	22	30	25	22	30	25	22	29	25	22	20