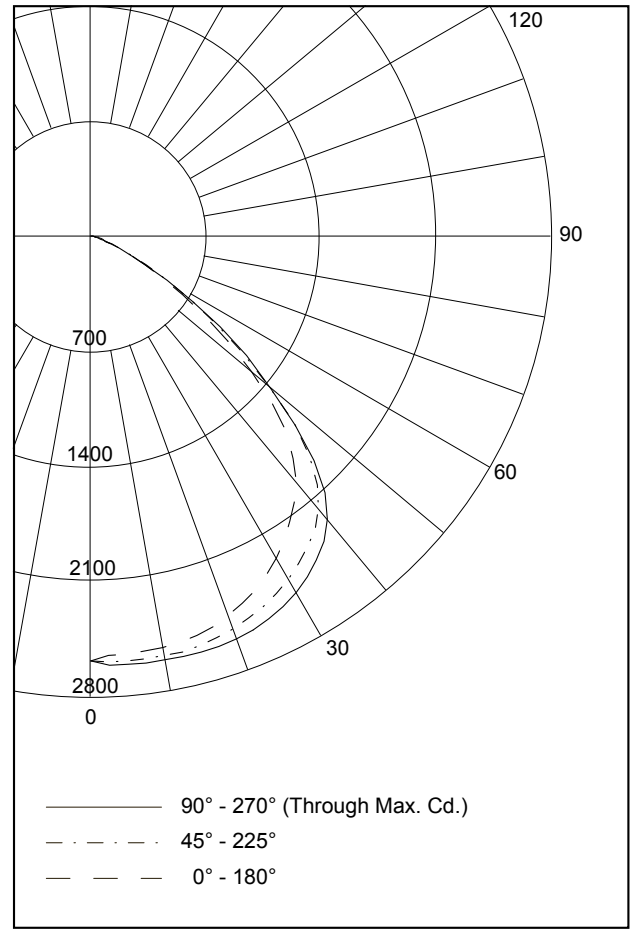


Number of Lamps	4
Lumens per Lamp	2080
Total Rated Lamp Lumens	8320
Total Luminaire Watts	82
Total Luminaire Efficiency	74.2%
Luminaire Efficacy Rating (LER)	75
Spacing Criteria (0-180)	1.3
Spacing Criteria (90-270)	1.4

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

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0-30	2,115	25.42	34.25
0-40	3,538	42.53	57.30
0-60	5,769	69.34	93.42
0-90	6,175	74.22	100.00
40-90	2,636	31.69	42.70
60-90	406	4.88	6.58
90-180	0	0.00	0.00
0-180	6,175	74.22	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	88	88	88	88	86	86	86	86	83	83	83	79	79	79	76	76	76	74
1	83	80	77	75	81	78	76	74	75	73	71	72	71	69	70	68	67	66
2	76	71	67	64	75	70	66	63	67	64	61	65	62	60	63	61	59	57
3	71	64	59	55	69	63	58	54	61	57	53	59	55	52	57	54	51	50
4	65	57	52	47	64	56	51	47	55	50	46	53	49	46	52	48	45	44
5	60	52	46	41	59	51	45	41	50	45	41	48	44	40	47	43	40	39
6	56	47	41	37	55	46	41	36	45	40	36	44	39	36	43	39	36	34
7	52	43	37	33	51	42	37	33	41	36	32	40	35	32	39	35	32	30
8	48	39	33	29	47	39	33	29	38	33	29	37	32	29	36	32	29	27
9	45	36	30	26	44	36	30	26	35	30	26	34	29	26	33	29	26	25
10	42	33	28	24	42	33	28	24	32	27	24	31	27	24	31	27	24	22