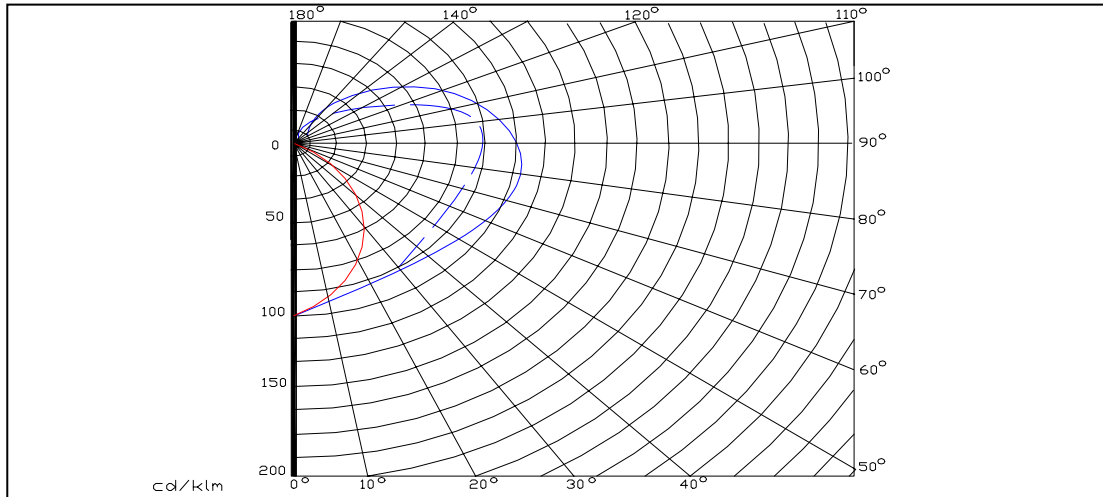


MODEL FNR 140 ( 1 X 36 W. )

Luminous Intensity diagram (No Reflector)



ANGLE DEG	LIGHT DISTRIBUTION PLANES		
	0	45	90
	0	402	402
5	397	402	397
15	402	399	382
25	407	387	353
35	408	371	314
45	408	351	260
55	399	326	198
65	377	292	129
75	348	250	62
85	325	216	13
95	316	209	0
105	328	223	0
115	353	218	0
125	299	74	0
135	110	7	0
145	15	0	0

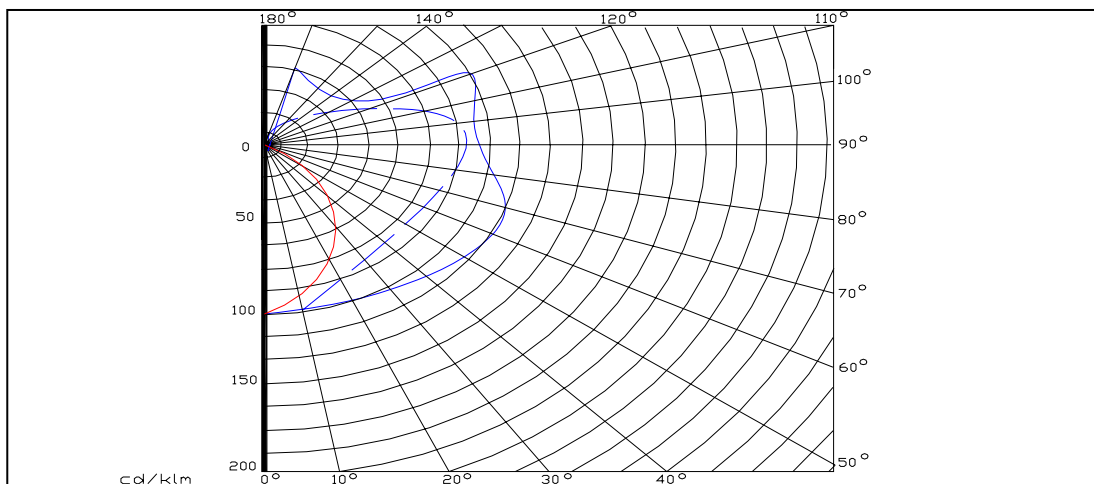
LIGHT FLUX			
ZONE (DEG.)	LUMEN SUM	%BARE LAMP	% LUM- INAIRE
0 - 30	327	12.58	12.82
0 - 40	557	21.42	21.84
0 - 60	1102	42.38	43.22
0 - 90	1823	70.12	71.49
90 - 100	727	27.96	28.51
0 - 180	2550	98.08	100.00
FLUX FRACTION		S / Hm (MAXIMUM)	
UPWARD		28.51%	1.40(A-BTWN 2)
DOWNWARD		71.49%	1.56(B-BTWN 4)
CIE-CLASS		SEMI-DIRECT	
IES-CLASS		WIDE SPREAD	

PHOTOMETRIC DATA

REFL CEILING	70	70	70	50	50	50	30	30	70	70	70	50	50	50	30	30	0	
FACTOR WALLS	50	30	10	50	30	10	30	10	50	30	10	50	30	10	30	10	0	
(%) FLOOR	10	10	10	10	10	10	10	10	30	30	30	30	30	30	30	30	0	
COEFFICIENTS OF UTILIZATION TABLE																		
ROOM INDEX (KR)	0.06	.....																
	0.08	0.443	0.369	0.314	0.400	0.339	0.294	0.312	0.272	0.467	0.384	0.323	0.420	0.352	0.295	0.318	0.274	0.224
	1.00	0.505	0.433	0.378	0.457	0.400	0.351	0.365	0.321	0.543	0.454	0.388	0.483	0.412	0.358	0.372	0.323	0.268
	1.25	0.565	0.491	0.431	0.510	0.451	0.403	0.413	0.370	0.613	0.522	0.451	0.540	0.467	0.414	0.421	0.375	0.307
	1.50	0.604	0.535	0.483	0.547	0.489	0.443	0.444	0.406	0.661	0.572	0.508	0.589	0.513	0.462	0.460	0.415	0.340
	2.00	0.669	0.606	0.550	0.604	0.554	0.507	0.501	0.461	0.739	0.656	0.590	0.648	0.588	0.534	0.519	0.478	0.391
	2.50	0.713	0.652	0.605	0.647	0.597	0.556	0.540	0.510	0.793	0.709	0.651	0.696	0.637	0.588	0.562	0.524	0.428
	3.00	0.748	0.695	0.647	0.678	0.637	0.595	0.576	0.546	0.834	0.760	0.704	0.733	0.679	0.636	0.603	0.563	0.460
	4.00	0.787	0.741	0.703	0.713	0.676	0.641	0.612	0.587	0.890	0.829	0.774	0.781	0.730	0.690	0.646	0.614	0.499
	5.00	0.814	0.777	0.739	0.738	0.710	0.682	0.646	0.616	0.929	0.873	0.828	0.805	0.770	0.745	0.679	0.649	0.527

MODEL FNR 240 ( 2 X 36 W. )

Luminous Intensity diagram (No Reflector)



LIGHT DISTRIBUTION			
ANGLE DEG	PLANES		
	0	45	90
0	980	980	980
5	970	980	985
15	953	956	951
25	931	907	884
35	926	853	784
45	884	789	662
55	843	701	519
65	796	613	348
75	777	551	181
85	583	417	39
95	456	299	0
105	394	216	0
115	331	206	0
125	331	218	0
135	306	115	0
145	140	20	0

LIGHT FLUX			
ZONE (DEG.)	LUMEN SUM	%BARE LAMP	% LUM- INAIRE
0 - 30	783	15.06	15.45
0 - 40	1319	25.37	26.03
0 - 60	2544	48.92	50.21
0 - 90	4074	78.35	80.4
90 - 100	993	19.10	19.6
0 - 180	5067	97.45	100.00
FLUX FRACTION		S/Hm (MAXIMUM)	
UPWARD	19.60%	1.35(A-BTWN 2)	
DOWNWARD	80.40%	1.51(B-BTWN 4)	
CIE-CLASS	SEMI-DIRECT		
IES-CLASS	WIDE SPREAD		

PHOTOMETRIC DATA

REFL CEILING	70	70	70	50	50	50	30	30	70	70	70	50	50	50	30	30	0
FACTOR WALLS	50	30	10	50	30	10	30	10	50	30	10	50	30	10	30	10	0
(%) FLOOR	10	10	10	10	10	10	10	10	30	30	30	30	30	30	30	30	0
COEFCIENTS OF UTILIZATION TABLE																	
ROOM INDEX (KR)	0.06	.....															
0.08	0.464	0.389	0.333	0.429	0.366	0.319	0.347	0.304	0.488	0.405	0.343	0.449	0.380	0.322	0.353	0.306	0.264
1.00	0.525	0.454	0.399	0.487	0.429	0.379	0.402	0.357	0.565	0.476	0.409	0.515	0.422	0.386	0.410	0.359	0.314
1.25	0.586	0.512	0.452	0.542	0.481	0.432	0.453	0.408	0.635	0.543	0.472	0.574	0.498	0.444	0.462	0.414	0.358
1.50	0.624	0.555	0.504	0.579	0.520	0.473	0.487	0.447	0.684	0.594	0.530	0.624	0.546	0.493	0.504	0.457	0.393
2.00	0.691	0.627	0.571	0.639	0.587	0.540	0.547	0.505	0.762	0.679	0.613	0.685	0.623	0.568	0.567	0.523	0.450
2.50	0.734	0.673	0.627	0.682	0.632	0.59	0.588	0.557	0.817	0.735	0.674	0.735	0.674	0.625	0.612	0.573	0.492
3.00	0.770	0.717	0.669	0.715	0.674	0.632	0.626	0.595	0.861	0.785	0.730	0.774	0.718	0.675	0.655	0.615	0.527
4.00	0.811	0.763	0.727	0.752	0.717	0.679	0.664	0.693	0.917	0.855	0.801	0.823	0.771	0.731	0.700	0.667	0.570
5.00	0.837	0.800	0.762	0.777	0.748	0.720	0.700	0.670	0.955	0.899	0.855	0.847	0.812	0.788	0.735	0.705	0.601