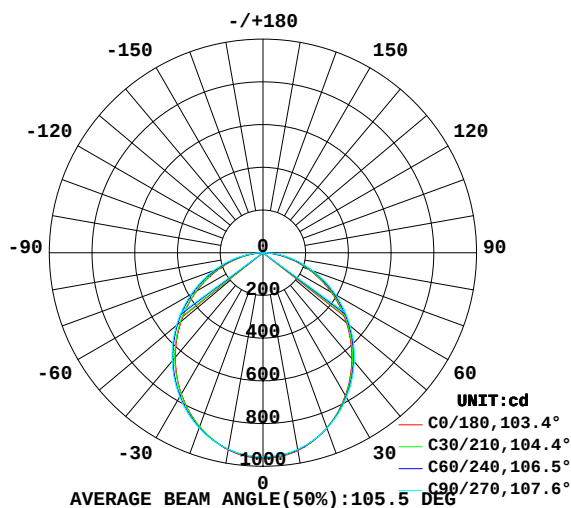


LUMINAIRE PHOTOMETRIC TEST REPORT

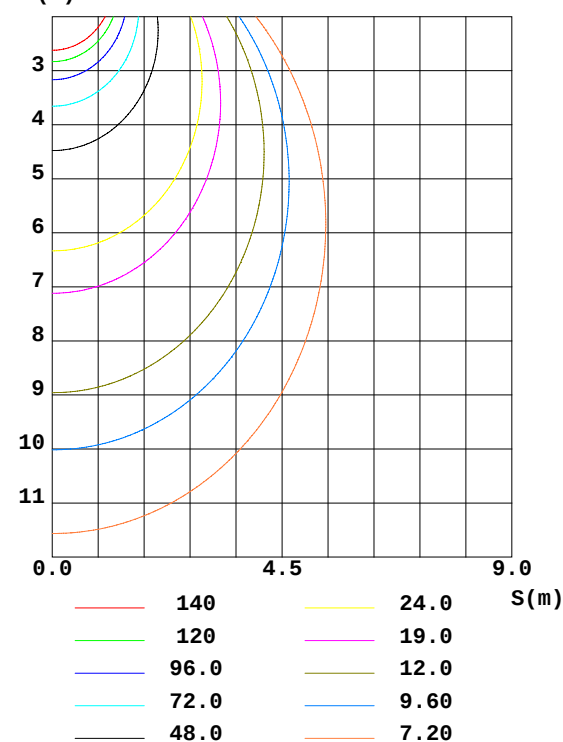
NAME: CL-Linear96 3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.97 lm/W			
MODEL		I _{max} (cd)	962.6	S/MH(C0/180)	1.20
NOMINAL POWER(W)	39	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2549.0	η UP, DN(C0-180)	0.2, 50.1
NOMINAL FLUX(lm)	2548.98	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.6
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	940.1	936.7	934.9	932.1	936.9	934.1	934.4	932.7	0- 10	90.27	90.27	3.54, 3.54
20	873.2	873.5	874.4	867.2	867.1	868.7	873.3	868.3	10- 20	255.6	345.9	13.6, 13.6
30	771.4	776.4	781.3	769.1	763.9	770.2	779.5	770.1	20- 30	379.7	725.6	28.5, 28.5
40	647.3	655.8	664.3	648.1	638.4	648.6	661.9	648.8	30- 40	446.4	1172	46, 46
50	510.1	521.0	532.2	513.4	501.0	513.4	529.3	514.0	40- 50	451.1	1623	63.7, 63.7
60	367.7	379.7	392.5	372.8	358.7	371.8	388.9	372.8	50- 60	398.7	2022	79.3, 79.3
70	226.6	237.1	248.9	231.0	214.8	228.7	247.4	230.2	60- 70	300.5	2322	91.1, 91.1
80	92.20	102.5	115.7	97.52	83.04	93.15	109.8	95.31	70- 80	173.7	2496	97.9, 97.9
90	0.1951	0.1908	0.7273	0.2581	0.2126	0.2079	0.2567	0.2010	80- 90	43.60	2540	99.6, 99.6
100	0.4197	0.4600	0.5384	0.4577	0.5006	0.4886	0.5141	0.4696	90-100	0.3530	2540	99.6, 99.6
110	0.7970	0.8635	0.9725	0.8565	0.8829	0.8967	0.9340	0.8613	100-110	0.7118	2541	99.7, 99.7
120	1.250	1.338	1.473	1.335	1.345	1.362	1.425	1.333	110-120	1.103	2542	99.7, 99.7
130	1.731	1.831	1.964	1.814	1.832	1.848	1.906	1.822	120-130	1.428	2543	99.8, 99.8
140	2.203	2.305	2.417	2.279	2.308	2.305	2.354	2.294	130-140	1.601	2545	99.8, 99.8
150	2.661	2.739	2.822	2.706	2.747	2.728	2.751	2.718	140-150	1.580	2546	99.9, 99.9
160	3.086	3.105	3.139	3.074	3.162	3.082	3.086	3.082	150-160	1.347	2548	100, 100
170	3.426	3.379	3.389	3.360	3.492	3.372	3.341	3.358	160-170	0.9163	2549	100, 100
180	3.582	3.506	3.487	3.490	3.596	3.509	3.483	3.492	170-180	0.3286	2549	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

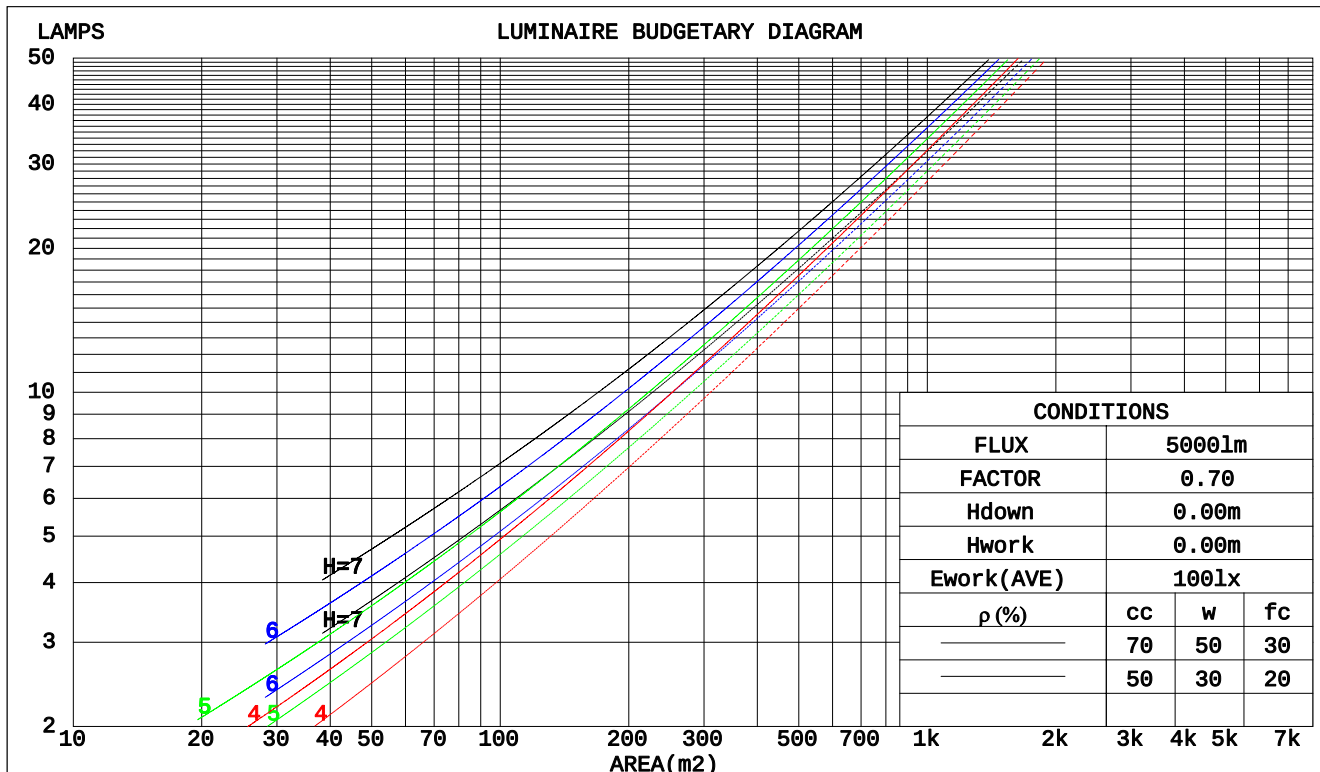
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.90	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.70	.61	.55	.67	.60	.54	.65	.58	.53	.62	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.48	.60	.53	.47	.58	.52	.46	.56	.50	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.44	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

ρ_{CC}	80%			70%			50%			30%			10%			0	
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.304	.173	.055	.297	.170	.054	.284	.163	.052	.271	.157	.050	.260	.151	.049		
2.0	.287	.157	.048	.281	.155	.048	.269	.150	.046	.258	.145	.045	.248	.140	.044		
3.0	.266	.142	.042	.261	.140	.042	.250	.136	.041	.240	.132	.040	.231	.128	.040		
4.0	.246	.128	.038	.241	.126	.037	.232	.123	.037	.223	.120	.036	.215	.117	.036		
5.0	.227	.116	.034	.223	.115	.033	.215	.112	.033	.207	.109	.033	.200	.107	.032		
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.193	.100	.029	.187	.098	.029		
7.0	.197	.097	.028	.193	.096	.027	.187	.094	.027	.180	.093	.027	.175	.091	.027		
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025		
9.0	.172	.083	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.155	.079	.023		
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fC}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.183	.159	.138	.156	.136	.118	.107	.094	.082	.062	.054	.048	.020	.017	.015		
2.0	.174	.135	.101	.149	.116	.088	.102	.080	.061	.059	.047	.036	.019	.015	.012		
3.0	.167	.117	.078	.143	.101	.067	.098	.070	.047	.057	.041	.028	.018	.013	.009		
4.0	.159	.104	.062	.136	.090	.054	.094	.062	.038	.054	.037	.022	.017	.012	.007		
5.0	.151	.093	.050	.130	.081	.044	.090	.056	.031	.052	.033	.018	.017	.011	.006		
6.0	.144	.085	.042	.124	.074	.037	.086	.052	.026	.050	.030	.016	.016	.010	.005		
7.0	.137	.078	.036	.118	.068	.032	.082	.047	.022	.047	.028	.013	.015	.009	.004		
8.0	.131	.072	.032	.113	.063	.028	.078	.044	.020	.045	.026	.012	.015	.009	.004		
9.0	.125	.067	.028	.108	.058	.025	.075	.041	.018	.043	.024	.010	.014	.008	.003		
10.0	.119	.063	.025	.103	.055	.022	.071	.039	.016	.042	.023	.009	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: linear96-3000k-RA90						TYPE:					WEIGHT:				
DIM.:						SPEC.:					SERIAL No.:				
MFR.: VD						SUR.:					PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3					
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3					
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2					
Room dimensions						Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.8	21.3	20.1	21.5	21.8	20.1	21.6	20.4	21.8	22.0					
3H	21.3	22.7	21.6	22.9	23.1	21.7	23.1	22.0	23.3	23.5					
4H	21.9	23.2	22.2	23.4	23.7	22.3	23.7	22.7	23.9	24.2					
6H	22.3	23.5	22.6	23.8	24.1	22.8	24.1	23.2	24.4	24.7					
8H	22.4	23.6	22.7	23.8	24.1	23.0	24.2	23.4	24.5	24.8					
12H	22.4	23.6	22.8	23.9	24.2	23.1	24.3	23.5	24.6	24.9					
4H 2H	20.5	21.8	20.8	22.0	22.3	20.7	22.0	21.0	22.3	22.5					
3H	22.1	23.2	22.5	23.5	23.9	22.4	23.6	22.8	23.9	24.2					
4H	22.8	23.8	23.2	24.2	24.5	23.2	24.3	23.6	24.6	24.9					
6H	23.3	24.2	23.7	24.6	25.0	23.9	24.8	24.3	25.2	25.5					
8H	23.5	24.3	23.9	24.7	25.1	24.1	25.0	24.5	25.4	25.8					
12H	23.5	24.3	24.0	24.7	25.2	24.3	25.1	24.7	25.5	25.9					
8H 4H	23.1	24.0	23.5	24.3	24.7	23.5	24.3	23.9	24.7	25.1					
6H	23.8	24.5	24.2	24.9	25.3	24.3	25.0	24.7	25.4	25.9					
8H	24.0	24.6	24.5	25.1	25.5	24.6	25.3	25.1	25.7	26.1					
12H	24.1	24.7	24.6	25.1	25.6	24.9	25.4	25.4	25.9	26.4					
12H 4H	23.1	23.9	23.5	24.3	24.7	23.5	24.3	23.9	24.7	25.1					
6H	23.8	24.5	24.3	24.9	25.4	24.3	25.0	24.8	25.4	25.9					
8H	24.1	24.6	24.6	25.1	25.6	24.7	25.3	25.2	25.7	26.2					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2									
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3									
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3									

CIE Pub.117 Corrected 2549 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.3)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

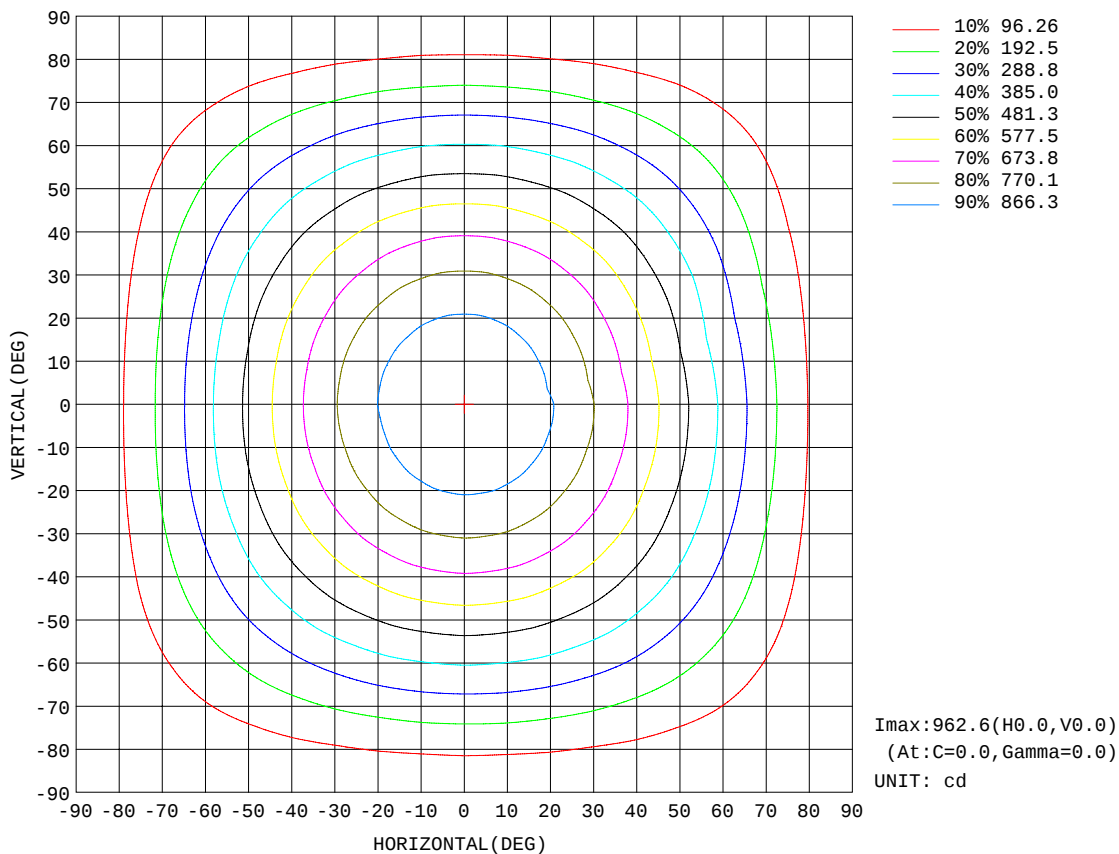
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	47	40	58	47	40	56	46	40	33
0.80	68	57	50	67	56	49	65	56	49	42
1.00	77	66	58	75	65	58	73	66	58	51
1.25	84	73	66	82	73	66	79	71	65	58
1.50	89	79	72	87	78	71	84	76	70	63
2.00	95	87	81	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

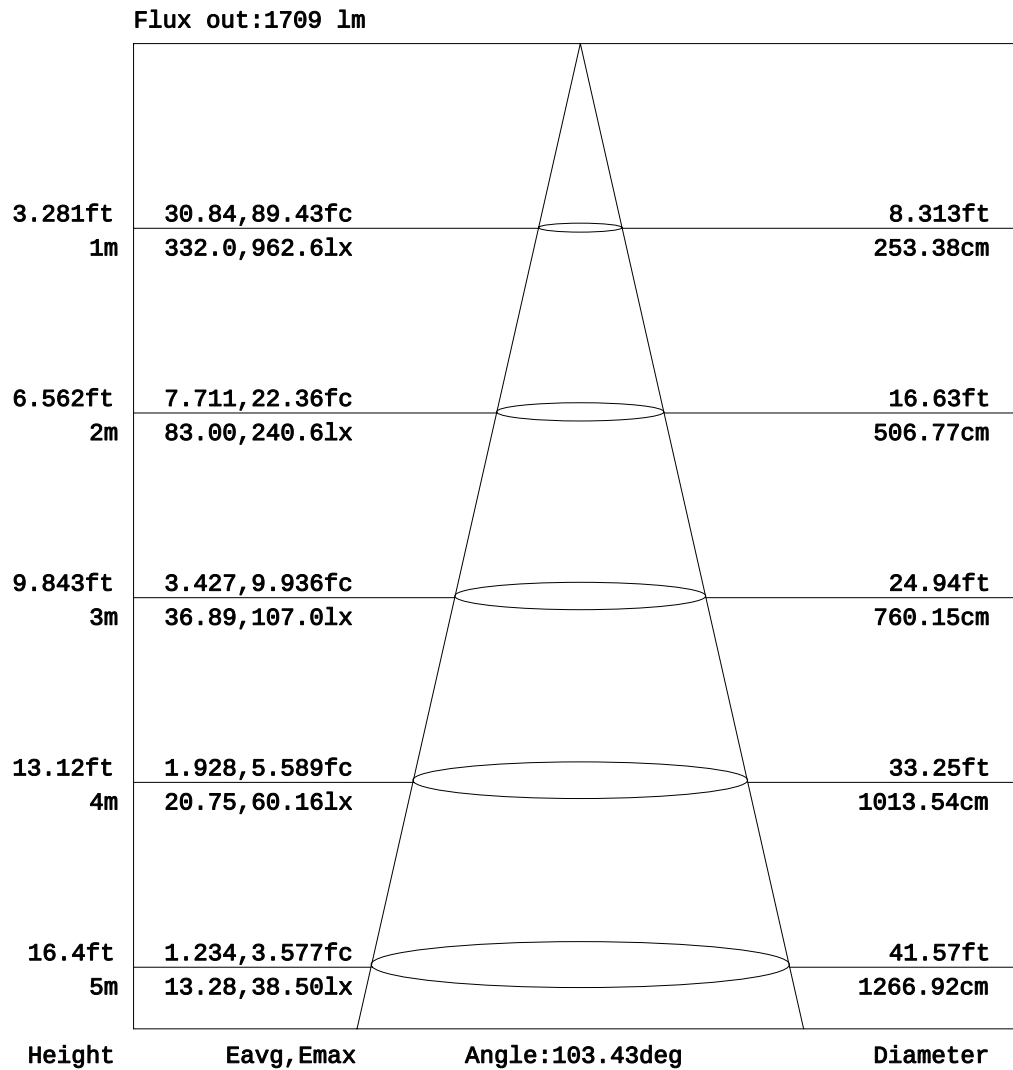


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

AAI Figure

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



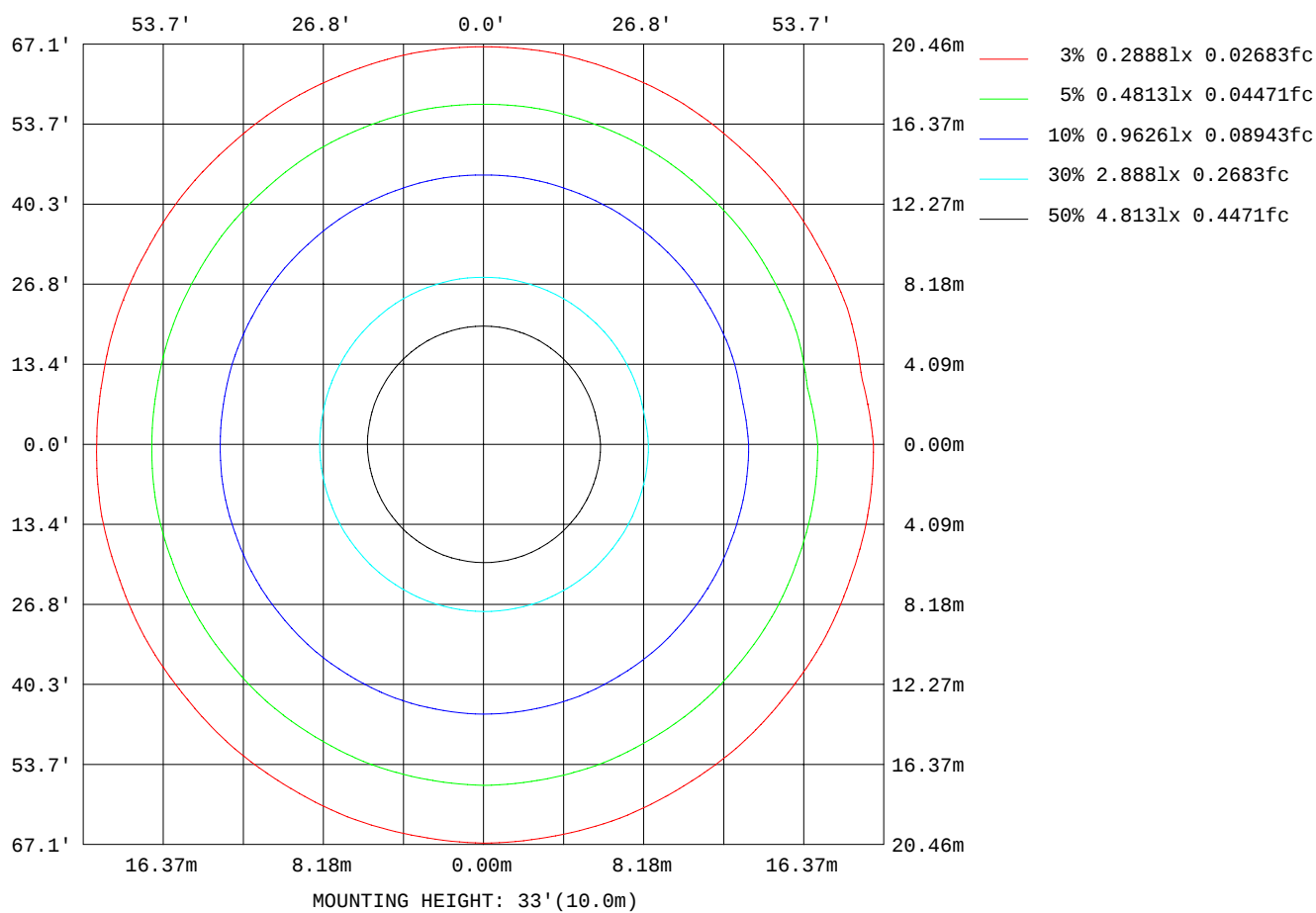
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	2548.98	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	7654	7688	7688	7766	7808	7908	7950	8036	8040	8068	8001	7962	7850	7789	7673	7629	7548	7553	7497
60	7354	7393	7394	7488	7534	7656	7702	7809	7813	7850	7769	7725	7592	7525	7388	7340	7244	7251	7174
65	7019	7077	7070	7185	7235	7382	7432	7563	7572	7621	7524	7470	7312	7233	7073	7025	6904	6874	6769
70	6627	6602	6688	6739	6889	6975	7133	7199	7311	7276	7257	7094	6992	6805	6704	6554	6505	6433	6282
75	6127	6125	6208	6293	6459	6595	6768	6888	7011	7003	6940	6759	6599	6390	6233	6072	5986	5921	5704
80	5309	5401	5422	5628	5757	6047	6192	6475	6560	6664	6461	6298	5966	5770	5463	5336	5128	5129	4782
85	3623	3804	3817	4189	4383	4903	5140	5685	5871	6090	5674	5356	4745	4412	3874	3688	3332	3354	2700

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	8068	200	---	500
Category 2	65 to 90	7621	200	---	500
Category 3	75 to 90	7011	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	2548.98	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	7654	7688	7688	7766	7808	7908	7950	8036	8040	8068	8001	7962	7850	7789	7673	7629	7548	7553	7497
60	7354	7393	7394	7488	7534	7656	7702	7809	7813	7850	7769	7725	7592	7525	7388	7340	7244	7251	7174
65	7019	7077	7070	7185	7235	7382	7432	7563	7572	7621	7524	7470	7312	7233	7073	7025	6904	6874	6769
70	6627	6602	6688	6739	6889	6975	7133	7199	7311	7276	7257	7094	6992	6805	6704	6554	6505	6433	6282
75	6127	6125	6208	6293	6459	6595	6768	6888	7011	7003	6940	6759	6599	6390	6233	6072	5986	5921	5704
80	5309	5401	5422	5628	5757	6047	6192	6475	6560	6664	6461	6298	5966	5770	5463	5336	5128	5129	4782
85	3623	3804	3817	4189	4383	4903	5140	5685	5871	6090	5674	5356	4745	4412	3874	3688	3332	3354	2700

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	8068	1000	1500	200	500
65 to 90	7621	1000	1500	200	500

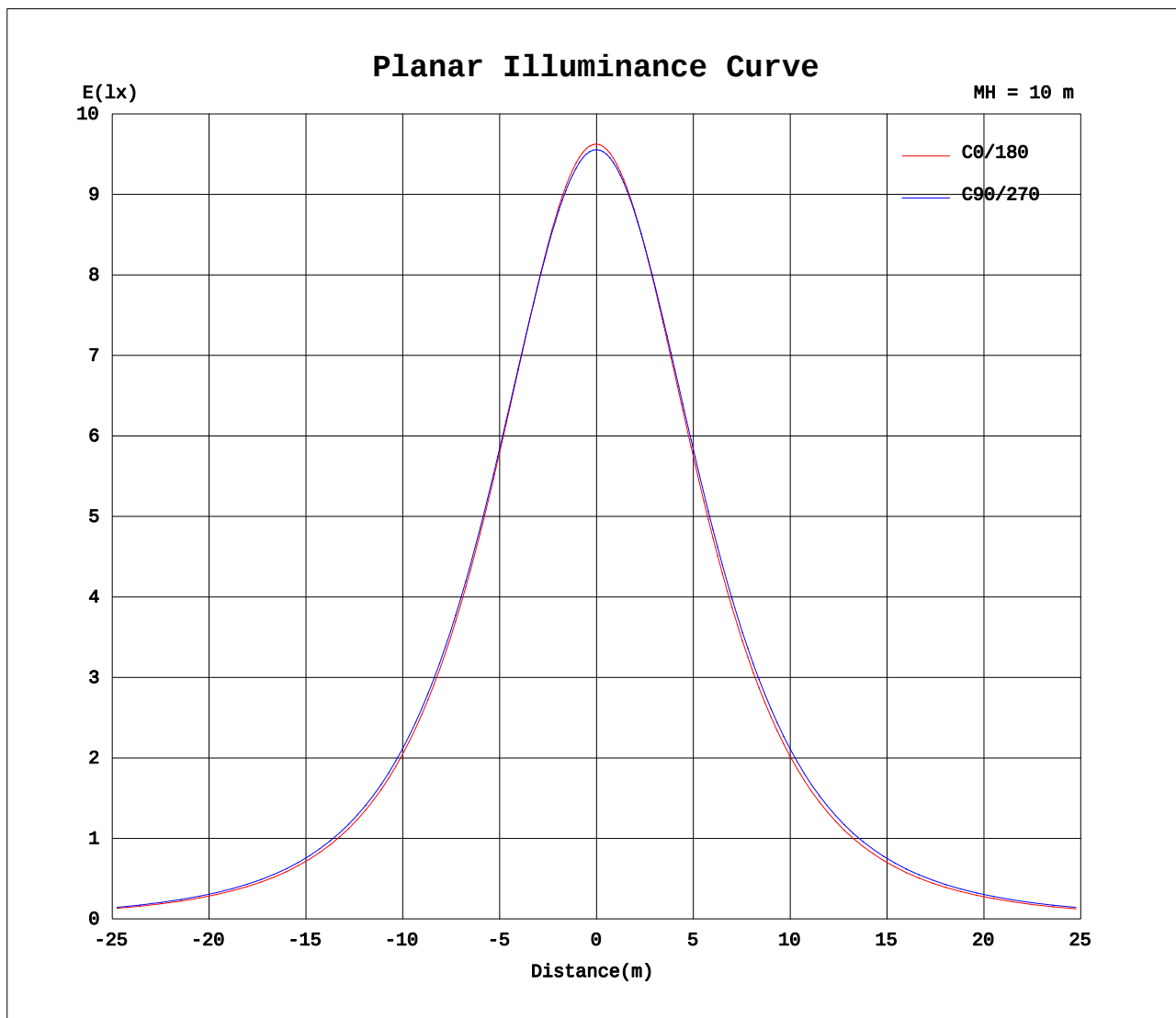
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°) γ (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	963	962	961	960	958	958	957	957	956	956	955	955	955	955	955	955	955	955	963
5	957	956	955	954	953	952	952	952	951	951	950	950	949	949	949	949	949	949	956
10	940	940	938	938	937	937	936	936	935	935	934	934	933	933	932	932	931	931	937
15	912	911	910	910	910	910	910	910	909	909	908	908	906	905	903	903	902	902	907
20	873	873	872	873	873	874	874	875	874	874	873	872	869	868	866	865	863	864	867
25	826	826	826	827	828	830	830	832	831	831	829	828	825	823	820	819	816	817	819
30	771	772	772	774	775	778	779	781	781	781	779	777	773	771	767	765	762	763	764
35	712	713	712	715	717	720	722	725	724	725	722	721	716	713	708	706	703	703	703
40	647	649	648	652	654	658	660	664	663	664	661	659	654	651	645	643	639	639	638
45	580	581	581	585	587	592	594	598	598	600	596	594	588	585	579	576	572	572	571
50	510	512	512	516	518	524	526	531	531	532	528	526	520	517	510	508	503	503	501
55	439	441	441	445	448	454	456	461	461	463	459	457	450	447	440	438	433	433	430
60	368	370	370	374	377	383	385	390	391	393	388	386	380	376	369	367	362	363	359
65	297	299	299	304	306	312	314	320	320	322	318	316	309	306	299	297	292	291	286
70	227	226	229	230	236	239	244	246	250	249	248	243	239	233	229	224	222	220	215
75	159	159	161	163	167	171	175	178	181	181	180	175	171	165	161	157	155	153	148
80	92.2	93.8	94.1	97.7	100.0	105	108	112	114	116	112	109	104	100	94.9	92.7	89.0	89.1	83.0
85	31.6	33.2	33.3	36.5	38.2	42.7	44.8	49.5	51.2	53.1	49.5	46.7	41.4	38.5	33.8	32.1	29.0	29.2	23.5
90	0.20	0.18	0.19	0.17	0.20	0.18	0.23	0.28	0.39	0.73	0.29	0.20	0.21	0.17	0.34	0.17	0.18	0.21	0.21
95	0.26	0.29	0.25	0.30	0.27	0.31	0.29	0.34	0.31	0.35	0.31	0.34	0.29	0.32	0.26	0.30	0.26	0.34	0.34
100	0.42	0.45	0.41	0.46	0.43	0.49	0.47	0.52	0.50	0.54	0.50	0.52	0.46	0.49	0.43	0.47	0.41	0.49	0.50
105	0.59	0.64	0.59	0.64	0.62	0.68	0.66	0.73	0.70	0.76	0.70	0.72	0.67	0.68	0.62	0.65	0.59	0.66	0.68
110	0.80	0.83	0.79	0.85	0.83	0.90	0.88	0.94	0.92	0.97	0.92	0.94	0.88	0.89	0.82	0.84	0.80	0.85	0.88
115	1.01	1.05	1.02	1.08	1.06	1.13	1.12	1.19	1.17	1.23	1.17	1.18	1.12	1.13	1.06	1.07	1.02	1.06	1.11
120	1.25	1.29	1.26	1.32	1.30	1.37	1.37	1.44	1.42	1.47	1.42	1.43	1.36	1.37	1.30	1.32	1.26	1.28	1.35
125	1.50	1.53	1.50	1.57	1.55	1.62	1.62	1.69	1.67	1.72	1.67	1.68	1.61	1.61	1.54	1.55	1.50	1.53	1.59
130	1.73	1.77	1.75	1.81	1.79	1.87	1.86	1.93	1.91	1.96	1.90	1.91	1.84	1.85	1.78	1.80	1.75	1.76	1.83
135	1.97	2.02	2.00	2.06	2.04	2.10	2.09	2.16	2.14	2.19	2.14	2.15	2.07	2.08	2.01	2.03	1.98	2.01	2.07
140	2.20	2.27	2.24	2.29	2.27	2.34	2.32	2.39	2.36	2.42	2.35	2.37	2.31	2.31	2.25	2.27	2.20	2.24	2.31
145	2.44	2.51	2.48	2.53	2.49	2.56	2.54	2.61	2.57	2.63	2.57	2.58	2.52	2.54	2.47	2.50	2.44	2.49	2.53
150	2.66	2.74	2.70	2.75	2.71	2.77	2.74	2.80	2.76	2.82	2.76	2.78	2.72	2.74	2.68	2.70	2.65	2.72	2.75
155	2.88	2.95	2.91	2.95	2.91	2.95	2.92	2.97	2.94	3.00	2.94	2.96	2.90	2.93	2.87	2.90	2.85	2.91	2.96
160	3.09	3.15	3.10	3.14	3.09	3.12	3.08	3.14	3.10	3.14	3.10	3.13	3.07	3.10	3.05	3.08	3.03	3.09	3.16
165	3.28	3.32	3.27	3.29	3.23	3.27	3.22	3.28	3.24	3.28	3.23	3.26	3.22	3.25	3.20	3.25	3.19	3.25	3.34
170	3.43	3.46	3.40	3.42	3.36	3.40	3.35	3.39	3.35	3.39	3.35	3.38	3.34	3.38	3.34	3.38	3.35	3.41	3.49
175	3.52	3.56	3.48	3.51	3.45	3.49	3.44	3.48	3.44	3.47	3.43	3.47	3.43	3.47	3.44	3.49	3.45	3.52	3.57
180	3.58	3.58	3.53	3.53	3.51	3.51	3.49	3.49	3.49	3.49	3.48	3.48	3.48	3.49	3.49	3.50	3.52	3.55	3.60

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: linear96-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°) γ (°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	962	961	960	958	958	957	957	956	956	955	955	955	955	955	955	955	955		
5	955	954	953	952	951	951	951	951	950	950	950	950	950	950	949	949	949		
10	936	935	934	935	934	935	935	935	934	934	934	934	933	933	932	931	931		
15	906	906	905	906	906	908	908	909	908	909	908	907	906	905	903	903	901		
20	866	867	867	869	869	872	872	874	873	874	872	871	869	868	865	864	862		
25	818	819	820	822	823	827	828	830	830	830	828	827	824	822	818	817	815		
30	763	765	766	769	771	776	777	780	780	780	777	775	771	769	765	763	760		
35	702	705	706	710	713	718	720	723	723	723	720	718	713	710	706	704	700		
40	638	641	642	647	650	656	658	662	662	662	659	656	650	647	642	640	636		
45	570	573	575	581	584	591	593	598	597	597	593	591	584	581	575	573	569		
50	500	504	506	512	515	522	525	530	529	530	525	522	516	512	506	504	499		
55	429	433	435	441	445	452	455	460	460	460	455	452	445	442	436	433	423		
60	358	362	364	370	373	381	384	389	389	389	384	382	374	371	365	363	348		
65	287	289	293	299	302	310	313	318	318	318	313	310	304	300	294	290	281		
70	217	218	223	226	232	236	242	244	247	245	243	237	233	227	224	220	213		
75	148	151	154	157	163	167	173	176	178	176	174	169	164	159	156	152	146		
80	82.5	85.5	87.0	91.7	94.6	101	104	109	110	110	105	102	96.6	94.0	89.3	86.2	82.3		
85	22.8	25.3	26.1	30.1	32.4	38.2	41.2	46.5	47.0	46.9	42.3	39.9	34.7	32.9	28.7	27.2	24.5		
90	0.43	0.20	0.19	0.21	0.21	0.22	0.24	0.23	0.26	0.23	0.23	0.21	0.21	0.19	0.19	0.19	0.22		
95	0.29	0.33	0.29	0.34	0.31	0.35	0.33	0.37	0.33	0.37	0.31	0.34	0.29	0.32	0.27	0.31	0.30		
100	0.45	0.50	0.46	0.50	0.48	0.53	0.50	0.55	0.51	0.54	0.50	0.51	0.46	0.48	0.43	0.47	0.46		
105	0.63	0.68	0.65	0.69	0.68	0.73	0.70	0.76	0.72	0.75	0.68	0.70	0.65	0.67	0.61	0.65	0.64		
110	0.83	0.88	0.84	0.91	0.89	0.93	0.92	0.97	0.93	0.96	0.90	0.92	0.85	0.87	0.81	0.85	0.84		
115	1.06	1.11	1.08	1.13	1.11	1.17	1.16	1.22	1.18	1.20	1.14	1.15	1.08	1.10	1.04	1.07	1.05		
120	1.30	1.35	1.32	1.37	1.35	1.42	1.40	1.46	1.42	1.44	1.38	1.39	1.32	1.35	1.28	1.31	1.30		
125	1.54	1.59	1.56	1.61	1.59	1.66	1.63	1.70	1.66	1.69	1.63	1.64	1.57	1.59	1.53	1.55	1.53		
130	1.78	1.83	1.79	1.86	1.84	1.90	1.88	1.94	1.91	1.93	1.86	1.87	1.81	1.83	1.77	1.80	1.78		
135	2.02	2.07	2.03	2.09	2.07	2.12	2.11	2.18	2.13	2.16	2.09	2.11	2.05	2.07	2.01	2.04	2.01		
140	2.25	2.30	2.26	2.31	2.30	2.35	2.33	2.40	2.35	2.38	2.32	2.34	2.28	2.30	2.26	2.28	2.26		
145	2.48	2.53	2.48	2.53	2.51	2.57	2.54	2.60	2.57	2.59	2.53	2.56	2.49	2.53	2.48	2.52	2.49		
150	2.69	2.73	2.68	2.75	2.71	2.76	2.74	2.79	2.75	2.78	2.72	2.76	2.70	2.74	2.69	2.74	2.71		
155	2.89	2.94	2.89	2.93	2.89	2.95	2.92	2.97	2.93	2.95	2.91	2.94	2.89	2.93	2.89	2.94	2.93		
160	3.09	3.11	3.07	3.11	3.06	3.11	3.08	3.12	3.09	3.12	3.06	3.10	3.06	3.11	3.08	3.13	3.11		
165	3.26	3.28	3.23	3.27	3.21	3.27	3.22	3.26	3.23	3.26	3.21	3.25	3.21	3.26	3.22	3.28	3.28		
170	3.40	3.42	3.36	3.40	3.35	3.39	3.34	3.39	3.34	3.37	3.33	3.38	3.33	3.38	3.35	3.43	3.40		
175	3.49	3.52	3.46	3.50	3.44	3.48	3.44	3.47	3.43	3.46	3.42	3.47	3.42	3.47	3.45	3.50	3.49		
180	3.56	3.56	3.52	3.52	3.50	3.50	3.49	3.49	3.48	3.49	3.48	3.49	3.49	3.50	3.50	3.52	3.55		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks: