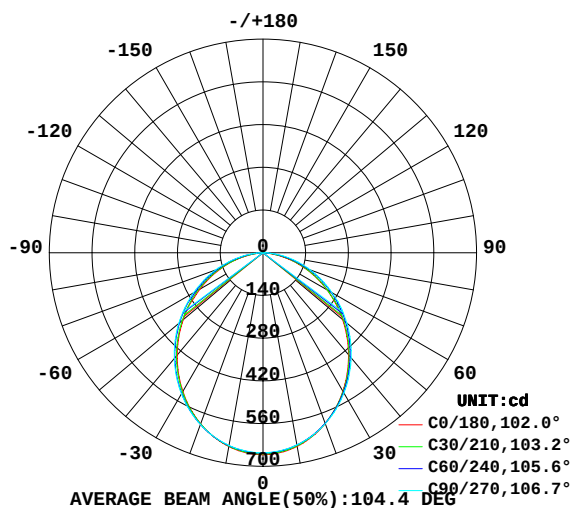


LUMINAIRE PHOTOMETRIC TEST REPORT

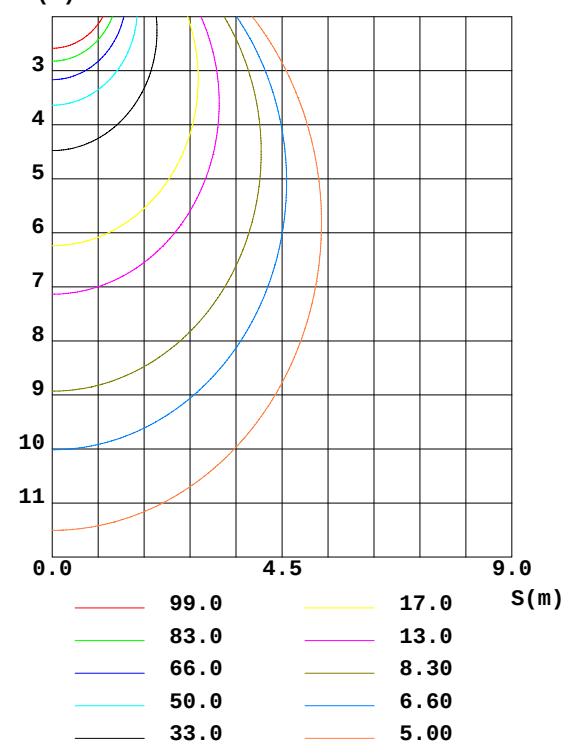
NAME: CL-Linear64 3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 68.13 lm/W
MODEL		I _{max} (cd)	661.8	S/MH(C0/180)	1.19	
NOMINAL POWER(W)	26	LOR(%)	100.0	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1716.8	η UP, DN(C0-180)	0.2, 49.9	
NOMINAL FLUX(lm)	1716.83	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.7	
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	99.7	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: 2022-04-03

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	644.4	640.2	639.7	638.5	644.9	642.0	641.3	638.5	0- 10	61.90	61.90	3.61,3.61
20	596.0	594.3	596.4	593.2	597.0	597.6	599.3	593.2	10- 20	175.1	237.0	13.8,13.8
30	524.0	525.7	530.8	524.9	525.2	529.5	534.1	524.6	20- 30	259.4	496.4	28.9,28.9
40	436.4	441.9	449.5	441.3	437.5	445.3	452.3	440.2	30- 40	304.0	800.5	46.6,46.6
50	340.6	348.9	359.0	348.6	341.5	351.4	360.4	346.7	40- 50	306.0	1107	64.5,64.5
60	241.7	250.3	260.3	250.2	239.1	251.3	263.0	247.3	50- 60	268.4	1375	80.1,80.1
70	143.5	154.1	165.6	154.1	142.1	153.5	165.4	150.4	60- 70	199.6	1574	91.7,91.7
80	50.35	61.94	74.49	61.87	48.55	59.69	71.16	57.91	70- 80	112.1	1687	98.2,98.2
90	0.0521	0.0616	0.2536	0.0569	0.0615	0.0709	0.1110	0.0686	80- 90	24.23	1711	99.7,99.7
100	0.2027	0.2454	0.3069	0.2360	0.2550	0.2572	0.2687	0.2548	90-100	0.1557	1711	99.7,99.7
110	0.4668	0.5261	0.5949	0.5096	0.5194	0.5262	0.5518	0.5238	100-110	0.4053	1711	99.7,99.7
120	0.7877	0.8588	0.9347	0.8352	0.8450	0.8565	0.8822	0.8494	110-120	0.6800	1712	99.7,99.7
130	1.132	1.208	1.279	1.180	1.185	1.189	1.213	1.187	120-130	0.9159	1713	99.8,99.8
140	1.463	1.541	1.605	1.508	1.525	1.510	1.533	1.520	130-140	1.050	1714	99.8,99.8
150	1.788	1.845	1.893	1.810	1.831	1.812	1.817	1.812	140-150	1.049	1715	99.9,99.9
160	2.067	2.100	2.129	2.076	2.115	2.069	2.062	2.076	150-160	0.9024	1716	100,100
170	2.307	2.296	2.308	2.270	2.350	2.284	2.246	2.277	160-170	0.6177	1717	100,100
180	2.411	2.374	2.364	2.357	2.411	2.376	2.355	2.357	170-180	0.2222	1717	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

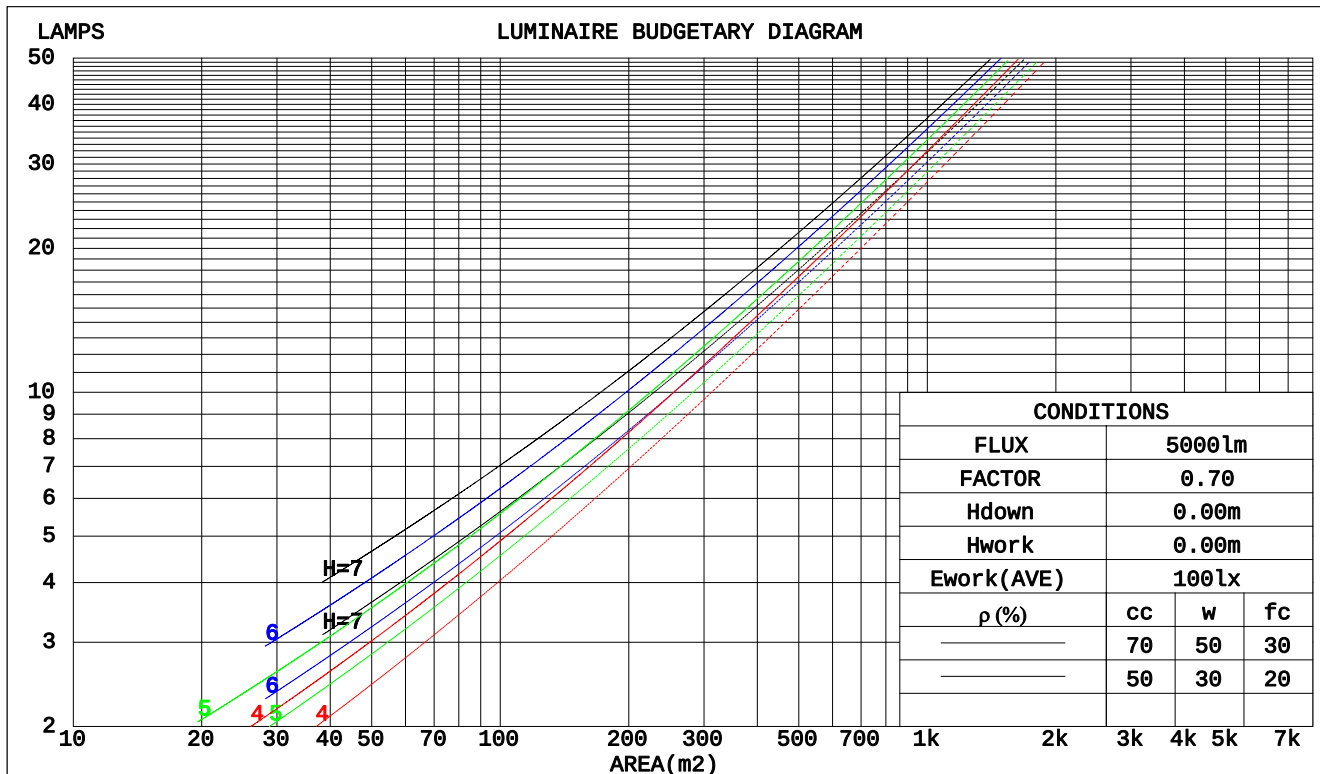
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: linear64-3000k-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	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.85	.79	.89	.83	.78	.86	.81	.76	.82	.78	.74	.79	.76	.73	.70
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.67	.63	.70	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.67	.60	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.46	.41	.39
7.0	.52	.44	.37	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-03

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: linear64-3000k-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	.299	.170	.054	.292	.167	.053	.279	.160	.051	.266	.154	.049	.255	.148	.048		
2.0	.284	.156	.048	.277	.153	.047	.266	.148	.046	.255	.143	.045	.245	.138	.044		
3.0	.264	.140	.042	.258	.138	.042	.248	.134	.041	.238	.130	.040	.229	.127	.039		
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.221	.119	.036	.213	.116	.035		
5.0	.226	.115	.033	.222	.114	.033	.213	.111	.033	.206	.109	.032	.199	.106	.032		
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029		
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.077	.022	.159	.077	.021	.154	.076	.021	.150	.074	.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	.182	.159	.138	.156	.136	.119	.107	.094	.082	.061	.054	.048	.020	.017	.015	
2.0	.174	.135	.102	.149	.116	.088	.102	.080	.061	.059	.047	.036	.019	.015	.012	
3.0	.166	.117	.078	.142	.101	.068	.098	.070	.047	.056	.041	.028	.018	.013	.009	
4.0	.158	.104	.062	.136	.090	.054	.093	.062	.038	.054	.037	.022	.017	.012	.007	
5.0	.151	.093	.051	.130	.081	.044	.089	.056	.031	.052	.033	.018	.017	.011	.006	
6.0	.144	.085	.042	.124	.073	.037	.085	.051	.026	.049	.030	.016	.016	.010	.005	
7.0	.137	.078	.036	.118	.067	.032	.081	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.131	.072	.032	.112	.062	.028	.078	.044	.020	.045	.026	.012	.015	.008	.004	
9.0	.125	.067	.028	.107	.058	.025	.074	.041	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.063	.025	.103	.055	.022	.071	.038	.016	.042	.023	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: linear64-3000k-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	18.3	19.8	18.6	20.0	20.2	18.7	20.2	19.0	20.4	20.6					
3H	19.7	21.1	20.0	21.3	21.6	20.2	21.6	20.5	21.8	22.1					
4H	20.2	21.5	20.5	21.8	22.0	20.9	22.2	21.2	22.4	22.7					
6H	20.5	21.7	20.8	22.0	22.3	21.3	22.6	21.7	22.9	23.1					
8H	20.6	21.7	20.9	22.0	22.3	21.5	22.7	21.9	23.0	23.3					
12H	20.5	21.7	20.9	22.0	22.3	21.6	22.7	22.0	23.0	23.4					
4H 2H	19.0	20.3	19.3	20.5	20.8	19.2	20.5	19.5	20.8	21.1					
3H	20.5	21.6	20.8	21.9	22.2	21.0	22.1	21.3	22.4	22.7					
4H	21.1	22.2	21.5	22.5	22.8	21.7	22.8	22.1	23.1	23.4					
6H	21.5	22.4	21.9	22.8	23.2	22.3	23.3	22.7	23.6	24.0					
8H	21.6	22.5	22.0	22.8	23.2	22.6	23.4	23.0	23.8	24.2					
12H	21.6	22.4	22.0	22.8	23.2	22.7	23.5	23.1	23.9	24.3					
8H 4H	21.4	22.3	21.8	22.6	23.0	21.9	22.8	22.4	23.2	23.6					
6H	21.9	22.6	22.4	23.1	23.5	22.7	23.4	23.1	23.8	24.3					
8H	22.1	22.7	22.5	23.1	23.6	23.0	23.6	23.5	24.1	24.5					
12H	22.1	22.6	22.6	23.1	23.6	23.2	23.8	23.7	24.2	24.7					
12H 4H	21.4	22.2	21.8	22.6	23.0	21.9	22.7	22.4	23.1	23.5					
6H	22.0	22.6	22.5	23.1	23.5	22.7	23.4	23.2	23.8	24.2					
8H	22.1	22.7	22.6	23.1	23.6	23.1	23.6	23.5	24.1	24.5					
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 / - 0.2									

CIE Pub.117 Corrected 1717 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: linear64-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

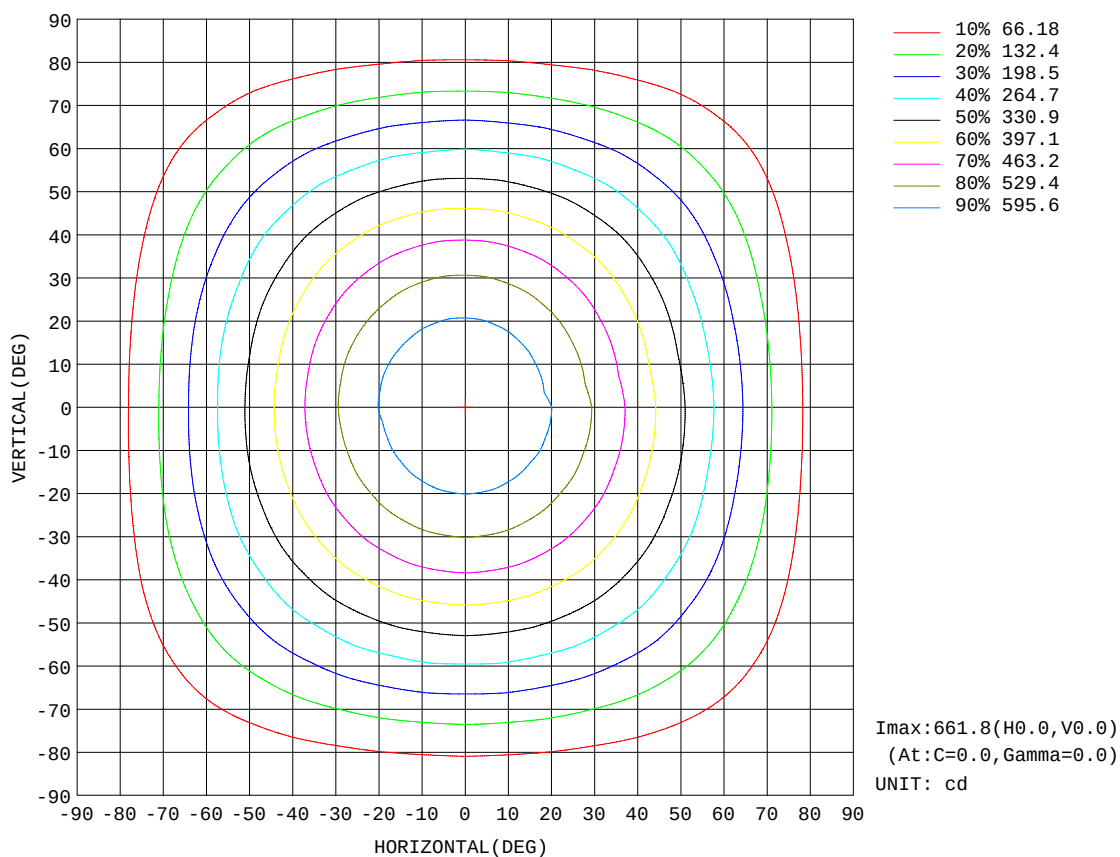
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	47	40	58	47	40	57	47	40	34
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	66	80	72	66	58
1.50	89	79	73	87	78	72	84	77	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
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: 2022-04-03

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: linear64-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

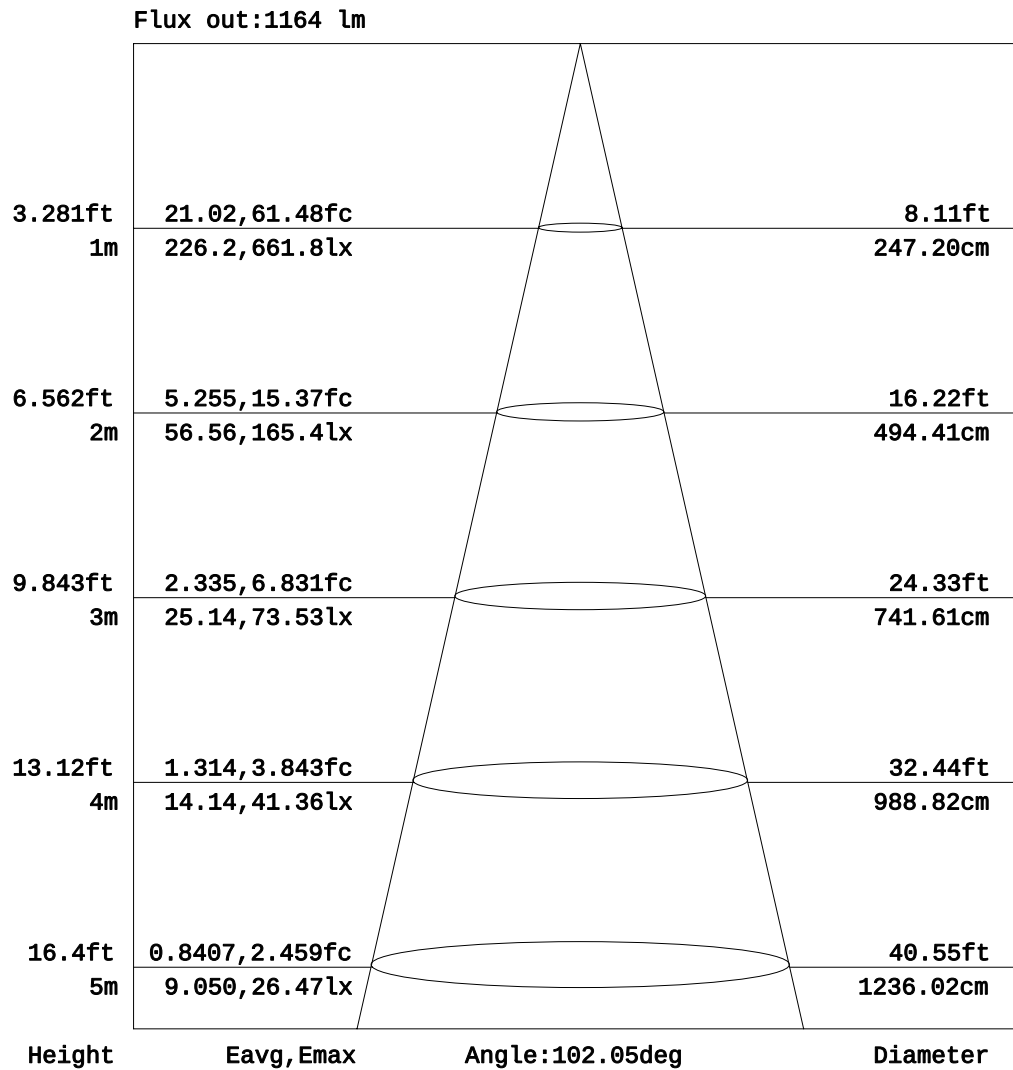


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-03

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: linear64-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



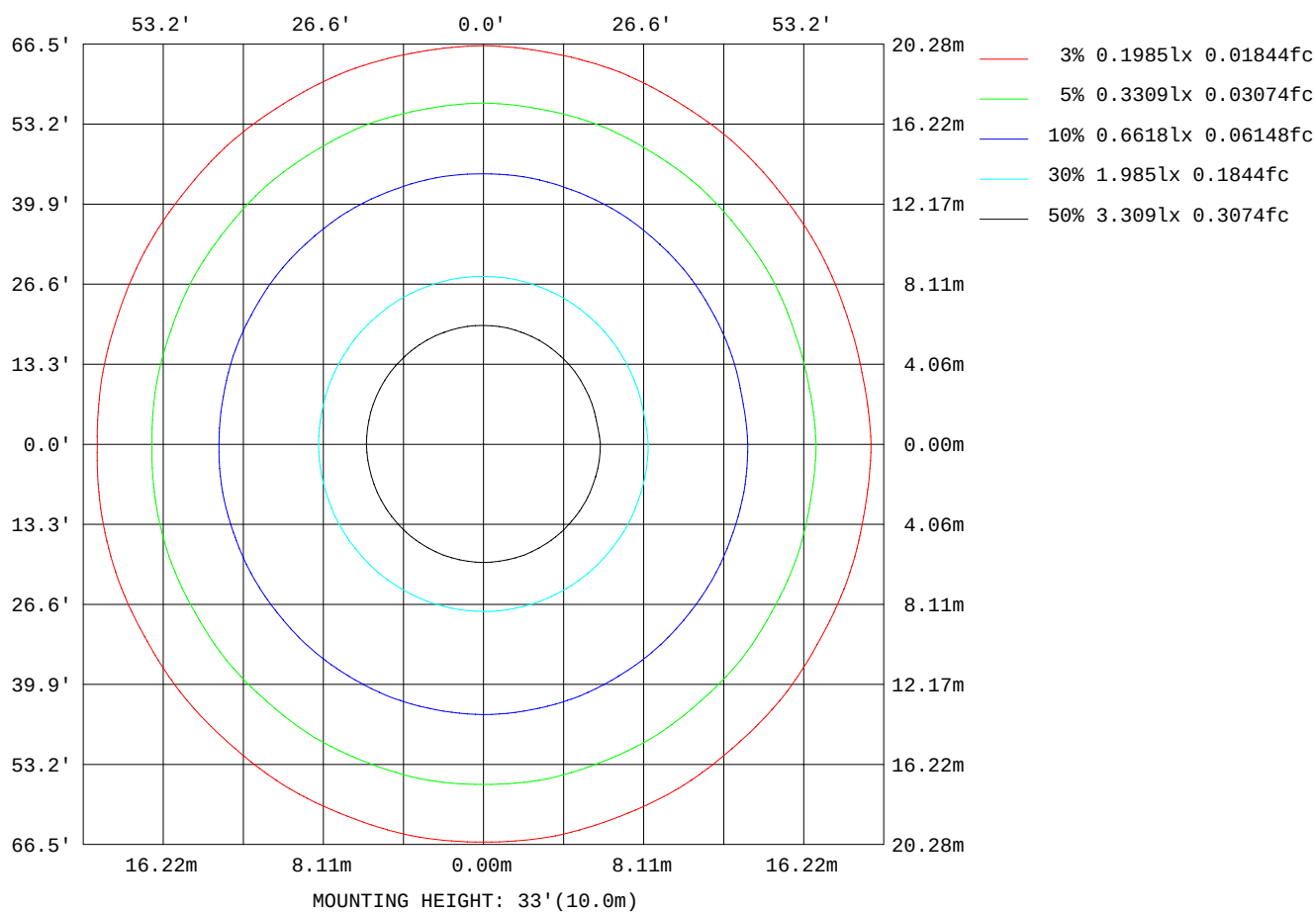
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: linear64-3000k-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: 2022-04-03

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: linear64-3000k-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	1716.83	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	5078	5105	5101	5167	5203	5283	5322	5391	5403	5433	5398	5382	5312	5277	5201	5182	5130	5140	5103
60	4833	4801	4866	4877	4991	5020	5132	5153	5235	5205	5228	5143	5124	5015	4992	4902	4905	4850	4782
65	4558	4531	4598	4624	4754	4800	4922	4965	5053	5034	5047	4954	4914	4797	4756	4661	4653	4599	4498
70	4196	4208	4247	4322	4467	4544	4676	4750	4848	4842	4841	4737	4667	4540	4473	4377	4321	4297	4156
75	3717	3775	3790	3922	4037	4206	4305	4478	4539	4609	4527	4461	4294	4205	4046	3996	3890	3888	3670
80	2900	2977	3024	3229	3444	3689	3842	4081	4194	4290	4173	4057	3829	3681	3445	3337	3174	3153	2796
85	985	1112	1182	1518	1892	2383	2742	3267	3472	3690	3436	3214	2710	2381	1923	1737	1461	1436	838

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	5433	200	---	500
Category 2	65 to 90	5053	200	---	500
Category 3	75 to 90	4609	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:2022-04-03

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: linear64-3000k-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	1716.83	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	5078	5105	5101	5167	5203	5283	5322	5391	5403	5433	5398	5382	5312	5277	5201	5182	5130	5140	5103
60	4833	4801	4866	4877	4991	5020	5132	5153	5235	5205	5228	5143	5124	5015	4992	4902	4905	4850	4782
65	4558	4531	4598	4624	4754	4800	4922	4965	5053	5034	5047	4954	4914	4797	4756	4661	4653	4599	4498
70	4196	4208	4247	4322	4467	4544	4676	4750	4848	4842	4841	4737	4667	4540	4473	4377	4321	4297	4156
75	3717	3775	3790	3922	4037	4206	4305	4478	4539	4609	4527	4461	4294	4205	4046	3996	3890	3888	3670
80	2900	2977	3024	3229	3444	3689	3842	4081	4194	4290	4173	4057	3829	3681	3445	3337	3174	3153	2796
85	985	1112	1182	1518	1892	2383	2742	3267	3472	3690	3436	3214	2710	2381	1923	1737	1461	1436	838

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	5433	1000	1500	200	500
65 to 90	5053	1000	1500	200	500

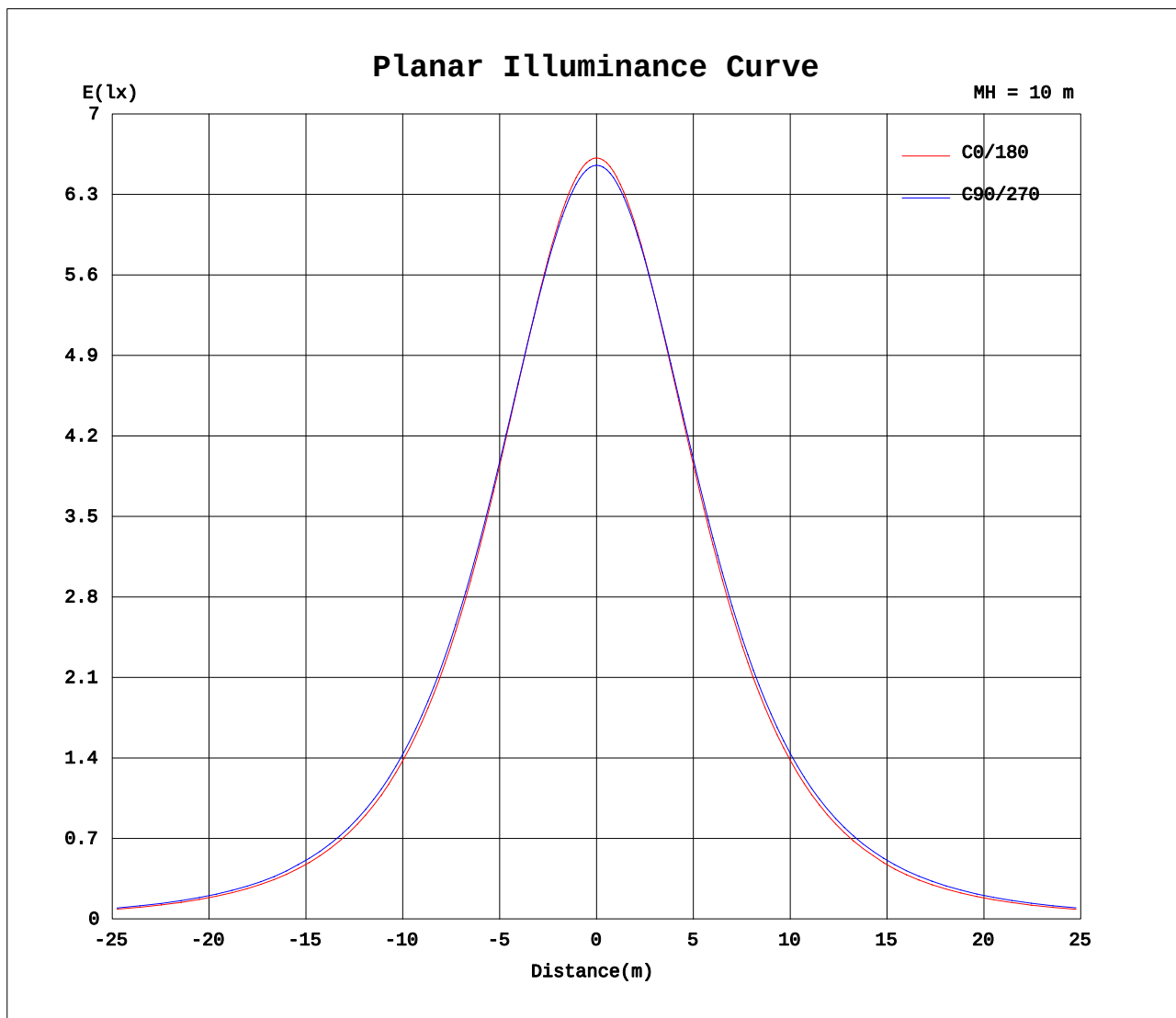
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: 2022-04-03

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: linear64-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	662	661	660	660	657	657	656	656	656	655	655	655	655	655	654	654	654	654	662
5	657	657	656	655	653	652	652	652	651	651	651	651	651	651	650	650	650	651	658
10	644	644	643	642	640	640	640	640	640	639	639	639	639	639	638	638	638	639	645
15	624	623	622	622	620	621	621	621	621	621	621	621	620	620	619	619	618	619	624
20	596	596	595	595	594	595	595	596	596	596	596	595	594	594	593	593	592	592	597
25	563	562	562	563	562	563	564	565	565	566	565	565	563	562	561	561	559	560	564
30	524	524	523	525	525	527	528	530	530	531	529	529	527	526	524	523	522	523	525
35	482	482	482	484	484	487	488	490	491	492	490	490	487	486	483	483	481	482	483
40	436	437	437	439	440	443	445	448	448	450	448	447	444	443	440	439	437	437	437
45	389	390	390	393	394	398	400	403	404	405	403	403	399	398	394	393	391	391	390
50	341	342	342	345	347	351	353	357	357	359	357	356	353	351	347	345	343	343	342
55	291	293	293	296	298	303	305	309	310	312	310	309	305	303	298	297	294	295	293
60	242	240	243	244	250	251	257	258	262	260	261	257	256	251	250	245	245	243	239
65	193	191	194	195	201	203	208	210	214	213	213	209	208	203	201	197	197	194	190
70	144	144	145	148	153	155	160	162	166	166	166	162	160	155	153	150	148	147	142
75	96.2	97.7	98.1	102	104	109	111	116	117	119	117	115	111	109	105	103	101	101	95.0
80	50.4	51.7	52.5	56.1	59.8	64.1	66.7	70.9	72.8	74.5	72.5	70.4	66.5	63.9	59.8	57.9	55.1	54.8	48.6
85	8.58	9.69	10.3	13.2	16.5	20.8	23.9	28.5	30.3	32.2	29.9	28.0	23.6	20.7	16.8	15.1	12.7	12.5	7.30
90	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.08	0.11	0.25	0.11	0.08	0.08	0.06	0.06	0.04	0.05	0.04	0.06
95	0.09	0.13	0.09	0.14	0.11	0.15	0.13	0.17	0.13	0.17	0.13	0.17	0.11	0.15	0.10	0.13	0.08	0.12	0.15
100	0.20	0.24	0.21	0.26	0.22	0.27	0.24	0.29	0.25	0.31	0.25	0.29	0.24	0.26	0.21	0.24	0.19	0.23	0.26
105	0.33	0.37	0.33	0.38	0.35	0.41	0.38	0.43	0.40	0.44	0.39	0.42	0.38	0.40	0.33	0.37	0.33	0.35	0.38
110	0.47	0.51	0.48	0.53	0.50	0.55	0.54	0.58	0.56	0.59	0.55	0.57	0.52	0.54	0.48	0.51	0.46	0.50	0.52
115	0.62	0.67	0.63	0.68	0.66	0.71	0.69	0.76	0.72	0.76	0.71	0.74	0.68	0.70	0.64	0.67	0.61	0.65	0.67
120	0.79	0.83	0.80	0.86	0.83	0.89	0.87	0.93	0.89	0.93	0.89	0.92	0.86	0.87	0.80	0.83	0.78	0.82	0.84
125	0.96	1.00	0.97	1.03	1.00	1.06	1.03	1.09	1.07	1.11	1.06	1.09	1.02	1.05	0.98	1.00	0.95	0.97	1.01
130	1.13	1.18	1.14	1.20	1.18	1.24	1.21	1.27	1.23	1.28	1.23	1.25	1.19	1.21	1.15	1.17	1.12	1.15	1.18
135	1.30	1.35	1.32	1.37	1.35	1.40	1.37	1.43	1.40	1.44	1.40	1.42	1.35	1.38	1.31	1.34	1.28	1.32	1.36
140	1.46	1.52	1.49	1.54	1.51	1.57	1.54	1.60	1.55	1.60	1.55	1.57	1.51	1.54	1.48	1.50	1.44	1.48	1.52
145	1.63	1.69	1.66	1.70	1.66	1.72	1.69	1.75	1.70	1.76	1.69	1.72	1.67	1.69	1.63	1.66	1.60	1.64	1.68
150	1.79	1.85	1.81	1.85	1.82	1.87	1.84	1.89	1.84	1.89	1.84	1.87	1.81	1.84	1.78	1.82	1.76	1.78	1.83
155	1.93	1.98	1.95	2.00	1.95	1.99	1.96	2.01	1.97	2.02	1.97	2.00	1.94	1.97	1.92	1.95	1.90	1.93	1.98
160	2.07	2.13	2.09	2.13	2.07	2.13	2.08	2.12	2.09	2.13	2.08	2.11	2.06	2.10	2.05	2.08	2.02	2.06	2.11
165	2.20	2.25	2.19	2.24	2.18	2.23	2.18	2.22	2.18	2.23	2.18	2.22	2.16	2.19	2.16	2.19	2.13	2.19	2.24
170	2.31	2.35	2.29	2.34	2.27	2.32	2.27	2.31	2.26	2.31	2.26	2.30	2.26	2.29	2.25	2.29	2.25	2.29	2.35
175	2.37	2.41	2.36	2.39	2.33	2.37	2.32	2.35	2.33	2.36	2.33	2.35	2.32	2.35	2.31	2.36	2.32	2.37	2.41
180	2.41	2.41	2.39	2.40	2.37	2.38	2.36	2.36	2.36	2.36	2.35	2.35	2.35	2.35	2.36	2.36	2.37	2.38	2.41

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: linear64-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
γ (°)																			
0	661	660	660	657	657	656	656	656	655	655	655	655	655	654	654	654	654		
5	657	656	656	654	653	653	653	653	652	652	651	651	651	650	650	650	649		
10	644	644	644	642	642	642	642	642	641	641	640	640	639	638	637	637	636		
15	624	624	624	623	623	624	624	624	624	623	622	621	620	619	617	616	615		
20	596	597	597	597	598	599	599	600	599	599	597	596	594	593	590	589	587		
25	563	564	565	566	566	568	569	570	569	569	567	565	562	560	557	556	554		
30	525	527	527	529	530	533	533	535	534	534	531	529	526	524	520	518	516		
35	482	485	486	488	490	493	494	496	495	494	491	489	485	483	479	477	474		
40	437	440	441	444	446	450	451	453	452	452	449	446	442	439	434	432	429		
45	390	393	394	398	400	404	406	408	407	407	403	401	396	393	388	386	383		
50	341	344	346	350	353	357	358	361	360	360	356	354	348	345	340	338	335		
55	292	295	296	301	304	308	310	313	312	312	308	305	299	297	291	288	286		
60	242	242	246	248	254	256	261	261	263	260	259	253	250	244	242	237	237		
65	192	193	197	199	205	207	212	212	214	211	210	204	201	196	194	189	189		
70	143	145	147	151	156	158	163	164	165	163	161	156	153	148	145	142	139		
75	94.9	97.6	99.3	104	107	111	113	117	116	116	112	109	104	102	97.4	95.9	93.3		
80	48.4	51.3	53.0	58.3	61.1	65.4	67.8	71.2	71.2	70.5	66.6	63.9	59.3	56.5	52.0	50.3	47.7		
85	7.09	9.26	10.5	15.1	17.6	22.3	25.1	28.6	28.7	28.0	24.2	21.1	16.2	13.8	10.1	9.00	6.63		
90	0.06	0.05	0.06	0.07	0.08	0.08	0.10	0.09	0.11	0.09	0.09	0.08	0.08	0.06	0.06	0.06	0.06		
95	0.10	0.14	0.11	0.16	0.12	0.17	0.14	0.18	0.15	0.18	0.14	0.17	0.13	0.15	0.11	0.14	0.11		
100	0.21	0.26	0.22	0.27	0.24	0.29	0.25	0.31	0.27	0.31	0.26	0.29	0.24	0.27	0.22	0.26	0.22		
105	0.34	0.38	0.34	0.40	0.37	0.42	0.39	0.44	0.40	0.44	0.39	0.42	0.37	0.39	0.35	0.38	0.34		
110	0.47	0.51	0.49	0.54	0.51	0.56	0.53	0.59	0.55	0.59	0.53	0.57	0.50	0.54	0.49	0.52	0.48		
115	0.63	0.68	0.64	0.70	0.67	0.73	0.70	0.75	0.72	0.75	0.70	0.73	0.67	0.69	0.64	0.68	0.64		
120	0.80	0.85	0.81	0.87	0.84	0.89	0.87	0.92	0.88	0.91	0.86	0.89	0.83	0.86	0.81	0.85	0.81		
125	0.97	1.02	0.98	1.03	1.00	1.06	1.03	1.09	1.05	1.09	1.03	1.06	1.01	1.03	0.98	1.01	0.97		
130	1.14	1.18	1.15	1.20	1.18	1.23	1.20	1.26	1.21	1.26	1.20	1.23	1.17	1.20	1.15	1.19	1.14		
135	1.31	1.35	1.33	1.37	1.34	1.39	1.37	1.42	1.37	1.41	1.36	1.39	1.34	1.37	1.33	1.35	1.31		
140	1.47	1.52	1.48	1.53	1.49	1.55	1.51	1.58	1.53	1.57	1.53	1.55	1.50	1.54	1.48	1.52	1.47		
145	1.64	1.68	1.64	1.69	1.65	1.70	1.67	1.72	1.68	1.72	1.68	1.71	1.66	1.69	1.64	1.69	1.63		
150	1.78	1.83	1.79	1.84	1.79	1.84	1.81	1.86	1.82	1.85	1.80	1.84	1.79	1.83	1.79	1.83	1.79		
155	1.93	1.96	1.93	1.96	1.93	1.98	1.94	2.00	1.94	1.99	1.95	1.98	1.93	1.97	1.93	1.97	1.93		
160	2.06	2.10	2.05	2.09	2.05	2.10	2.06	2.10	2.06	2.10	2.06	2.10	2.06	2.10	2.05	2.10	2.06		
165	2.18	2.22	2.17	2.21	2.16	2.21	2.16	2.21	2.16	2.20	2.16	2.21	2.16	2.21	2.17	2.21	2.18		
170	2.29	2.32	2.26	2.31	2.26	2.30	2.26	2.29	2.25	2.29	2.25	2.29	2.25	2.30	2.26	2.31	2.27		
175	2.35	2.38	2.34	2.37	2.32	2.36	2.31	2.36	2.31	2.35	2.31	2.36	2.31	2.36	2.32	2.35	2.34		
180	2.40	2.41	2.38	2.38	2.37	2.37	2.36	2.36	2.35	2.35	2.35	2.37	2.35	2.36	2.36	2.36	2.37		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: