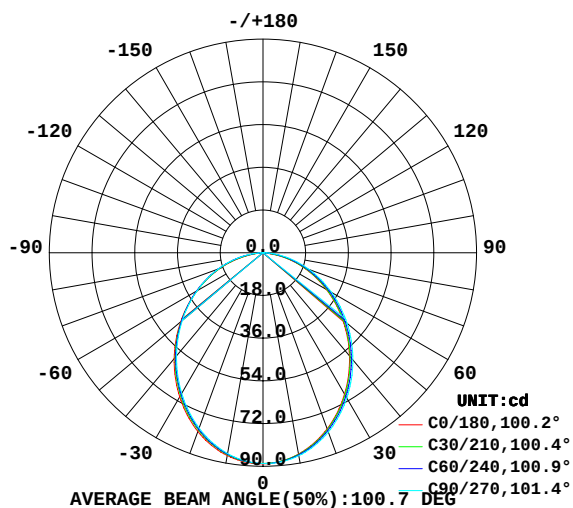


LUMINAIRE PHOTOMETRIC TEST REPORT

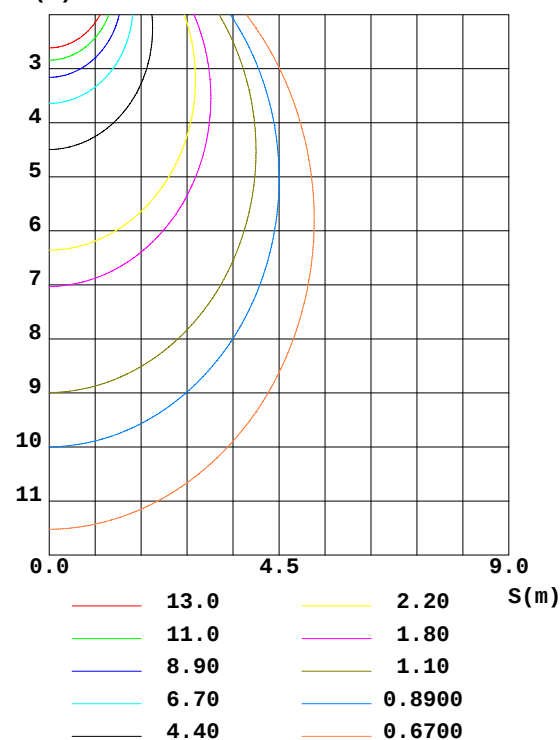
NAME: CL-Linear08 3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.51 lm/W			
MODEL		Imax(cd)	88.92	S/MH(C0/180)	1.16
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	222.53	η UP, DN(C0-180)	0.0, 50.5
NOMINAL FLUX(lm)	222.533	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.9	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	86.14	86.38	86.85	87.05	86.79	86.28	85.91	85.75	0- 10	8.362	8.362	3.76, 3.76
20	78.99	79.54	80.42	80.70	80.17	79.36	78.64	78.36	10- 20	23.50	31.86	14.3, 14.3
30	68.76	69.48	70.67	70.94	70.18	69.26	68.47	68.03	20- 30	34.43	66.28	29.8, 29.8
40	56.73	57.51	58.92	59.07	58.23	57.40	56.69	56.07	30- 40	39.81	106.1	47.7, 47.7
50	43.83	44.69	46.25	46.22	45.31	44.88	44.41	43.54	40- 50	39.56	145.6	65.5, 65.5
60	30.81	31.68	33.33	33.07	32.16	32.21	32.12	30.92	50- 60	34.37	180.0	80.9, 80.9
70	18.27	19.06	20.74	20.27	19.38	19.80	20.12	18.63	60- 70	25.46	205.5	92.3, 92.3
80	5.789	7.215	9.019	7.986	6.145	7.509	8.617	6.768	70- 80	14.18	219.7	98.7, 98.7
90	0	0	0	0	0	0	0	0	80- 90	2.681	222.3	99.9, 99.9
100	0	0	0	0	0	0	0	0	90-100	0	222.3	99.9, 99.9
110	0	0	0	0	0	0	0	0	100-110	0	222.3	99.9, 99.9
120	0	0	0	0	0	0	0	0	110-120	0	222.3	99.9, 99.9
130	0	0.0166	0.0284	0.0142	0.0331	0.0189	0	0.0189	120-130	0.0056	222.3	99.9, 99.9
140	0.0330	0.0566	0.0849	0.0496	0.0756	0.0567	0.0425	0.0684	130-140	0.0268	222.4	99.9, 99.9
150	0.0848	0.0991	0.1274	0.0948	0.1180	0.1015	0.0849	0.1062	140-150	0.0496	222.4	99.9, 99.9
160	0.1226	0.1416	0.1651	0.1345	0.1605	0.1387	0.1180	0.1452	150-160	0.0549	222.5	100, 100
170	0.1462	0.1556	0.1652	0.1557	0.1660	0.1542	0.1510	0.1588	160-170	0.0416	222.5	100, 100
180	0.1652	0.1652	0.1652	0.1652	0.1699	0.1652	0.1652	0.1675	170-180	0.0152	222.5	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

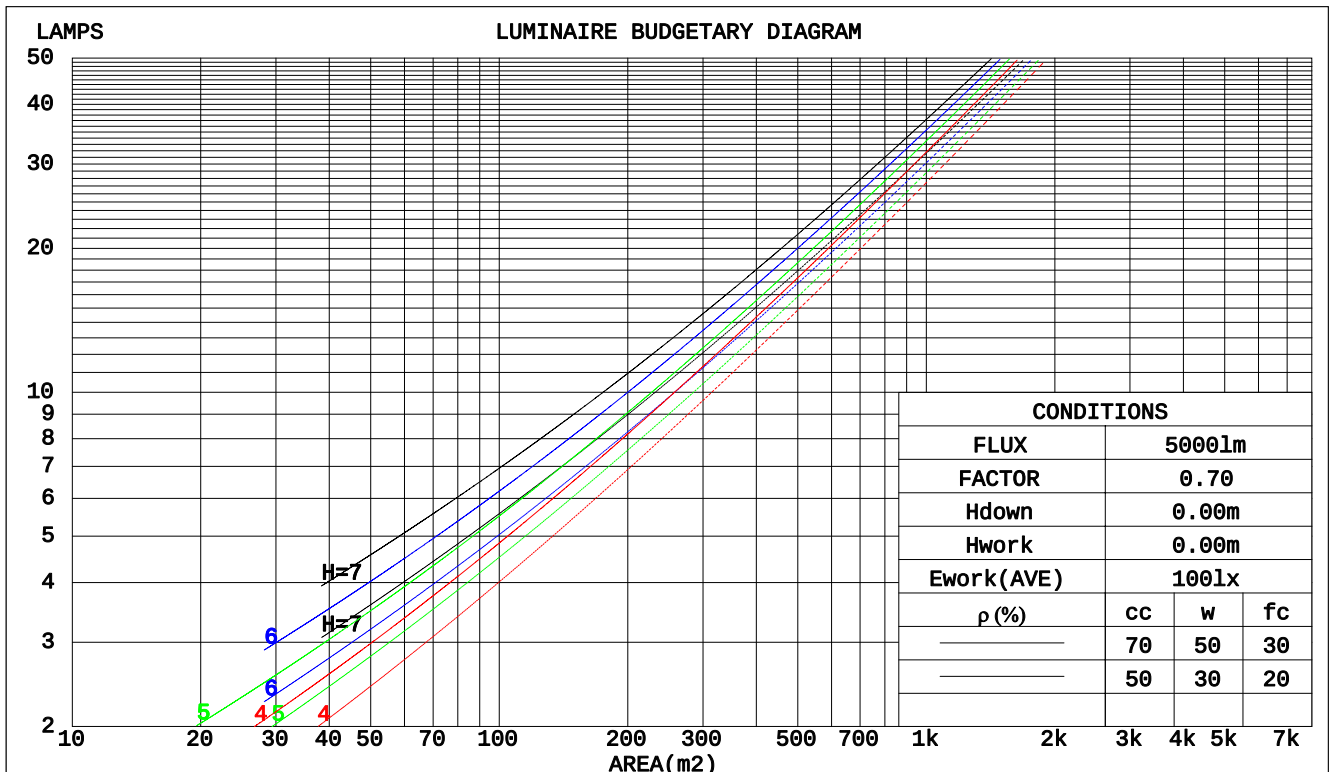
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-03

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: linear08-3000k-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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.89	.91	.89	.87	.85
2.0	.92	.85	.79	.90	.84	.78	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.66	.60	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.43	.35	.31	.42	.35	.30	.40	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.33	.28	.39	.32	.28	.38	.32	.28	.26



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: linear08-3000k-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	.295	.168	.053	.288	.164	.052	.275	.158	.050	.262	.151	.049	.251	.146	.047		
2.0	.281	.154	.047	.274	.151	.047	.263	.146	.045	.252	.141	.044	.242	.137	.043		
3.0	.261	.139	.042	.256	.137	.041	.245	.133	.040	.236	.129	.040	.227	.126	.039		
4.0	.242	.126	.037	.237	.124	.037	.228	.121	.036	.220	.118	.036	.212	.115	.035		
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.032	.204	.108	.032	.197	.105	.032		
6.0	.209	.105	.030	.205	.103	.030	.198	.101	.029	.191	.099	.029	.185	.097	.029		
7.0	.194	.096	.027	.191	.095	.027	.185	.093	.027	.179	.092	.027	.173	.090	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.023		
10.0	.161	.077	.021	.158	.076	.021	.154	.075	.021	.149	.074	.021	.145	.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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.180	.157	.136	.154	.135	.117	.105	.093	.081	.061	.054	.047	.019	.017	.015		
2.0	.171	.133	.100	.147	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.012		
3.0	.163	.115	.076	.140	.099	.066	.096	.069	.046	.056	.040	.027	.018	.013	.009		
4.0	.156	.102	.060	.134	.088	.052	.092	.061	.037	.053	.036	.022	.017	.012	.007		
5.0	.148	.091	.049	.127	.079	.042	.088	.055	.030	.051	.032	.018	.016	.011	.006		
6.0	.141	.083	.041	.121	.072	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005		
7.0	.134	.076	.034	.116	.066	.030	.080	.046	.021	.046	.027	.013	.015	.009	.004		
8.0	.128	.070	.030	.110	.061	.026	.076	.043	.018	.044	.025	.011	.014	.008	.004		
9.0	.122	.065	.026	.105	.056	.023	.073	.040	.016	.042	.023	.010	.014	.008	.003		
10.0	.117	.061	.023	.100	.053	.020	.070	.037	.015	.041	.022	.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
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: linear08-3000k-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	11.2	12.7	11.4	12.9	13.1	11.5	13.0	11.7	13.2	13.4					
3H	12.5	13.9	12.8	14.1	14.3	13.0	14.3	13.2	14.5	14.8					
4H	13.0	14.3	13.3	14.6	14.8	13.6	14.9	13.9	15.1	15.4					
6H	13.3	14.5	13.6	14.8	15.0	14.0	15.2	14.3	15.5	15.8					
8H	13.3	14.5	13.6	14.8	15.0	14.1	15.3	14.5	15.6	15.9					
12H	13.2	14.4	13.6	14.7	15.0	14.2	15.4	14.6	15.7	16.0					
4H 2H	11.8	13.1	12.1	13.3	13.6	12.0	13.3	12.3	13.6	13.8					
3H	13.3	14.4	13.6	14.7	15.0	13.7	14.8	14.0	15.1	15.4					
4H	13.9	14.9	14.3	15.3	15.6	14.4	15.4	14.8	15.7	16.1					
6H	14.2	15.2	14.6	15.5	15.9	15.0	15.9	15.4	16.2	16.6					
8H	14.3	15.1	14.7	15.5	15.9	15.2	16.0	15.6	16.4	16.8					
12H	14.3	15.0	14.7	15.4	15.8	15.3	16.1	15.7	16.4	16.9					
8H 4H	14.1	15.0	14.6	15.4	15.8	14.6	15.4	15.0	15.8	16.2					
6H	14.6	15.3	15.0	15.7	16.1	15.3	16.0	15.7	16.4	16.8					
8H	14.7	15.3	15.1	15.7	16.2	15.6	16.2	16.0	16.6	17.1					
12H	14.7	15.2	15.1	15.7	16.1	15.7	16.3	16.2	16.7	17.2					
12H 4H	14.2	14.9	14.6	15.3	15.7	14.6	15.4	15.0	15.8	16.2					
6H	14.6	15.3	15.1	15.7	16.2	15.3	15.9	15.8	16.4	16.8					
8H	14.7	15.3	15.2	15.7	16.2	15.6	16.1	16.1	16.6	17.1					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2									
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.3									
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3									

CIE Pub.117 Corrected 222.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.2)

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: linear08-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

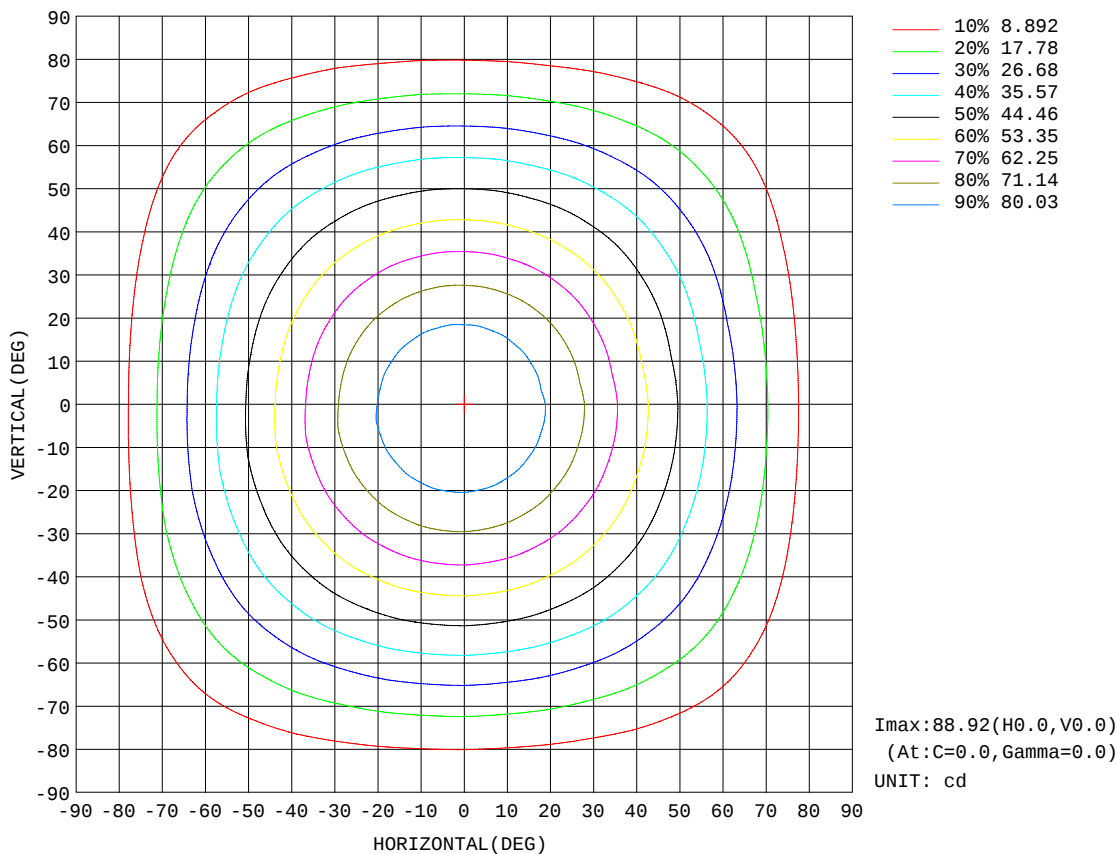
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	59	48	41	59	48	41	57	47	41	35
0.80	69	58	51	68	58	51	67	57	50	44
1.00	78	67	60	76	66	60	74	68	59	52
1.25	85	74	68	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	94	87	81	91	84	79	72
2.50	100	92	87	98	91	86	94	88	84	76
3.00	103	97	91	101	95	90	97	92	88	80
4.00	107	102	97	105	100	96	100	96	93	84
5.00	109	105	101	107	103	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: linear08-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

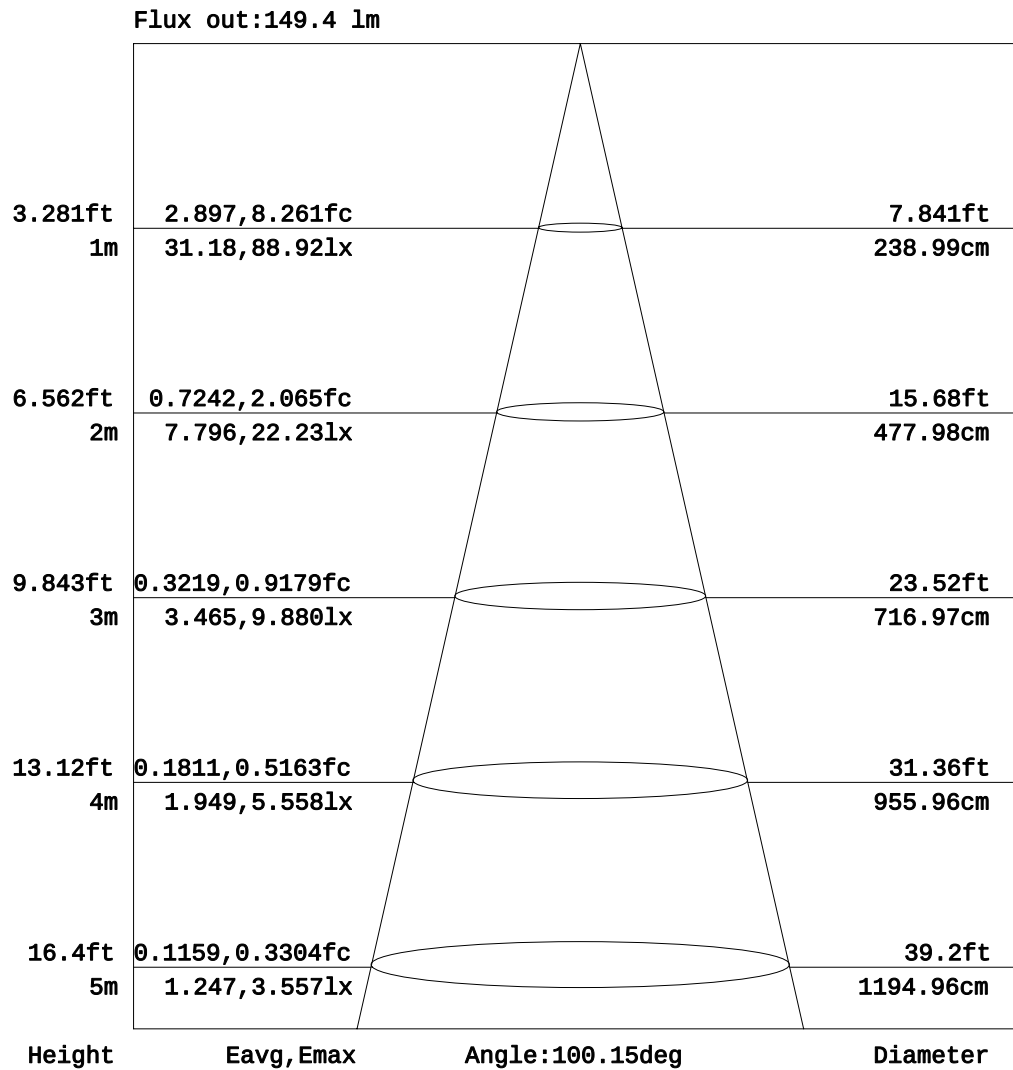


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-03

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: linear08-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



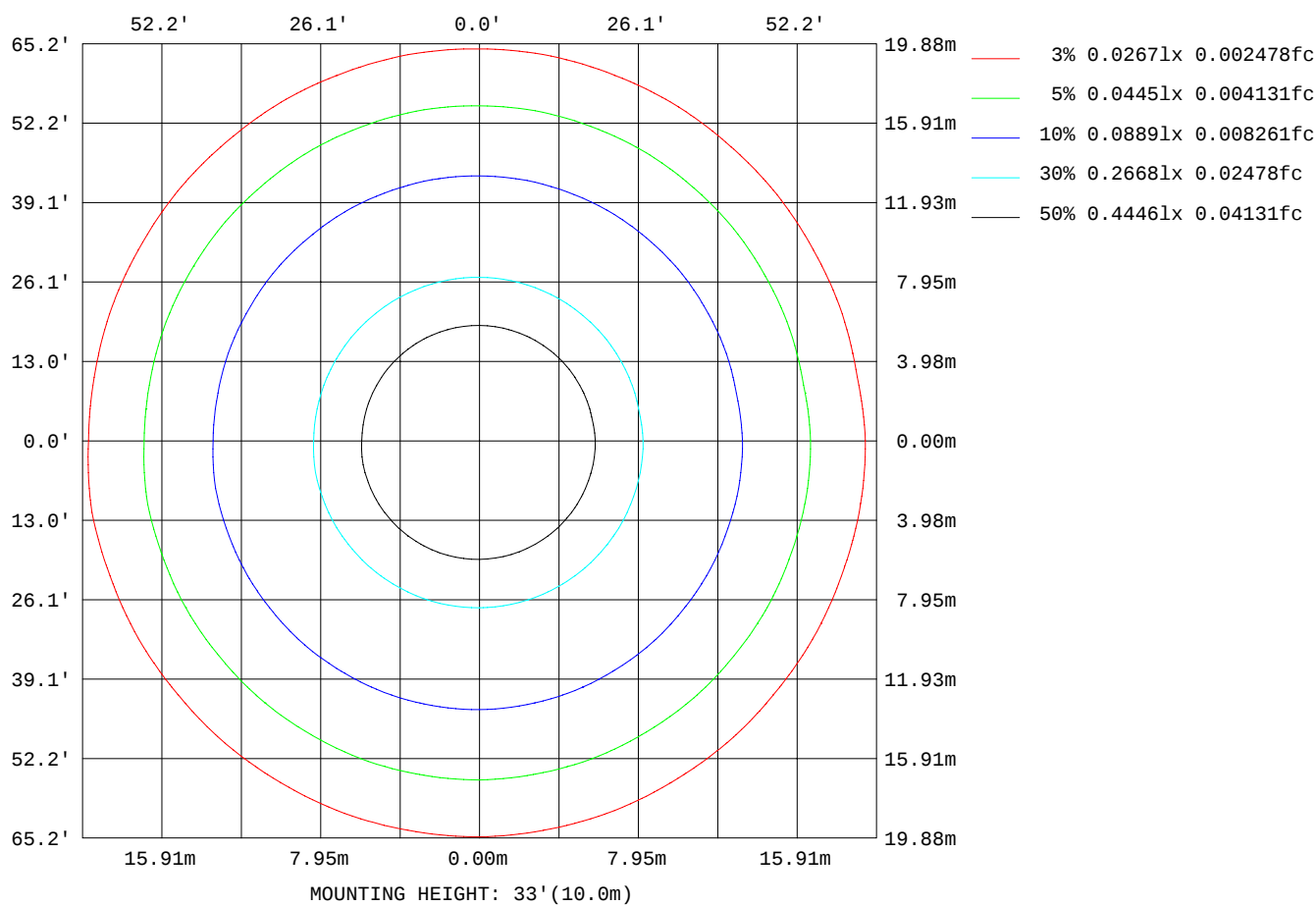
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: linear08-3000k-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: linear08-3000k-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	222.533	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	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	650	653	653	658	661	670	674	683	687	694	694	696	693	693	689	689	686	689	675
60	616	619	618	625	628	639	644	654	659	667	666	668	664	664	659	659	655	659	643
65	578	581	581	588	592	604	611	623	629	638	637	639	633	633	626	626	621	626	608
70	534	537	536	545	550	564	573	589	596	606	605	606	598	596	589	589	583	588	567
75	470	476	477	489	496	515	525	547	557	570	567	567	555	553	542	539	523	525	490
80	333	342	348	373	395	436	455	484	502	519	515	511	494	477	443	428	405	405	354
85	34	54	59	104	139	205	263	347	383	417	404	381	312	264	205	173	135	133	57

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	696	200	---	500
Category 2	65 to 90	639	200	---	500
Category 3	75 to 90	570	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: linear08-3000k-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	222.533	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	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	650	653	653	658	661	670	674	683	687	694	694	696	693	693	689	689	686	689	675
60	616	619	618	625	628	639	644	654	659	667	666	668	664	664	659	659	655	659	643
65	578	581	581	588	592	604	611	623	629	638	637	639	633	633	626	626	621	626	608
70	534	537	536	545	550	564	573	589	596	606	605	606	598	596	589	589	583	588	567
75	470	476	477	489	496	515	525	547	557	570	567	567	555	553	542	539	523	525	490
80	333	342	348	373	395	436	455	484	502	519	515	511	494	477	443	428	405	405	354
85	34	54	59	104	139	205	263	347	383	417	404	381	312	264	205	173	135	133	57

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	696	1000	1500	200	500
65 to 90	639	1000	1500	200	500

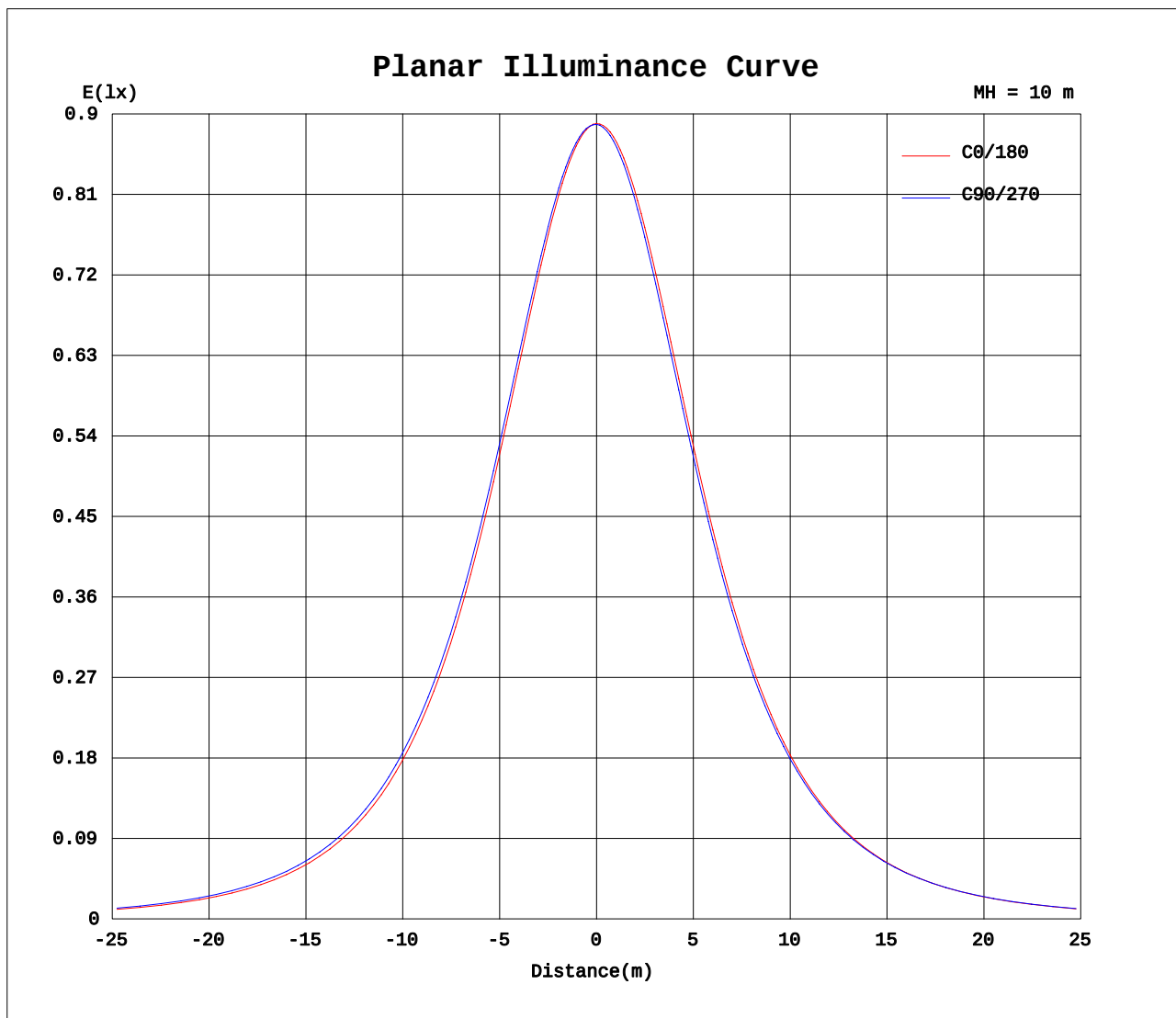
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

The luminaire satisfies the specified luminance criteria for
Negative Software with Type I & II Screen(Good to Moderate treatment).

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: linear08-3000k-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	88.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.8	88.9	88.8	88.9	88.8	88.9	88.9
5	88.2	88.1	88.1	88.1	88.2	88.2	88.3	88.3	88.4	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.5	88.5
10	86.1	86.2	86.1	86.3	86.3	86.4	86.5	86.7	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.0	87.0	86.8
15	83.0	83.1	83.1	83.3	83.3	83.6	83.6	83.9	83.9	84.1	84.2	84.3	84.3	84.4	84.3	84.4	84.3	84.4	84.0
20	79.0	79.1	79.1	79.3	79.4	79.7	79.8	80.1	80.2	80.4	80.5	80.6	80.6	80.8	80.7	80.7	80.6	80.7	80.2
25	74.2	74.3	74.4	74.6	74.7	75.0	75.2	75.4	75.6	75.8	75.9	76.1	76.1	76.2	76.1	76.2	76.1	76.1	75.5
30	68.8	68.9	68.9	69.2	69.3	69.7	69.8	70.2	70.4	70.7	70.7	70.9	70.9	71.0	70.9	70.9	70.8	70.9	70.2
35	62.9	63.0	63.1	63.3	63.5	63.8	64.1	64.4	64.7	65.0	65.1	65.2	65.2	65.3	65.1	65.2	65.0	65.1	64.4
40	56.7	56.9	56.9	57.2	57.3	57.7	58.0	58.4	58.6	58.9	59.0	59.1	59.1	59.1	59.0	59.1	58.9	59.0	58.2
45	50.3	50.5	50.5	50.8	50.9	51.4	51.6	52.1	52.3	52.7	52.7	52.8	52.7	52.8	52.6	52.7	52.5	52.6	51.8
50	43.8	44.0	44.0	44.3	44.5	44.9	45.2	45.7	45.9	46.3	46.3	46.4	46.3	46.3	46.1	46.2	46.0	46.1	45.3
55	37.3	37.4	37.4	37.8	37.9	38.4	38.7	39.2	39.4	39.8	39.8	39.9	39.7	39.8	39.5	39.5	39.3	39.5	38.7
60	30.8	30.9	30.9	31.3	31.4	31.9	32.2	32.7	32.9	33.3	33.3	33.4	33.2	33.2	32.9	33.0	32.8	32.9	32.2
65	24.4	24.6	24.5	24.9	25.0	25.5	25.8	26.3	26.6	27.0	26.9	27.0	26.8	26.7	26.5	26.5	26.3	26.4	25.7
70	18.3	18.4	18.3	18.6	18.8	19.3	19.6	20.1	20.4	20.7	20.7	20.7	20.5	20.4	20.1	20.1	19.9	20.1	19.4
75	12.2	12.3	12.4	12.7	12.8	13.3	13.6	14.2	14.4	14.7	14.7	14.7	14.4	14.3	14.0	14.0	13.5	13.6	12.7
80	5.79	5.94	6.03	6.48	6.87	7.56	7.91	8.41	8.72	9.02	8.95	8.88	8.59	8.28	7.70	7.43	7.04	7.03	6.14
85	0.29	0.47	0.52	0.91	1.22	1.79	2.29	3.02	3.34	3.64	3.52	3.32	2.72	2.30	1.79	1.51	1.18	1.16	0.50
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.03
135	0.01	0.06	0.01	0.06	0.01	0.06	0.01	0.05	0.01	0.06	0.01	0.05	0.01	0.06	0.00	0.05	0.00	0.04	0.05
140	0.03	0.08	0.03	0.08	0.03	0.08	0.03	0.08	0.04	0.08	0.03	0.08	0.03	0.08	0.02	0.07	0.02	0.07	0.08
145	0.06	0.11	0.06	0.11	0.06	0.10	0.06	0.10	0.06	0.10	0.05	0.10	0.05	0.09	0.05	0.09	0.05	0.09	0.09
150	0.08	0.12	0.08	0.12	0.08	0.12	0.08	0.12	0.08	0.13	0.08	0.12	0.08	0.11	0.08	0.11	0.07	0.11	0.12
155	0.10	0.14	0.10	0.15	0.10	0.14	0.10	0.14	0.10	0.15	0.09	0.15	0.09	0.13	0.09	0.13	0.08	0.13	0.14
160	0.12	0.16	0.12	0.17	0.12	0.16	0.11	0.16	0.12	0.17	0.11	0.16	0.11	0.16	0.11	0.15	0.11	0.16	0.16
165	0.13	0.17	0.14	0.17	0.14	0.16	0.13	0.16	0.13	0.17	0.13	0.17	0.13	0.17	0.14	0.16	0.13	0.16	0.16
170	0.15	0.17	0.15	0.17	0.15	0.16	0.15	0.16	0.15	0.17	0.14	0.17	0.14	0.17	0.14	0.16	0.14	0.16	0.17
175	0.16	0.17	0.16	0.17	0.16	0.16	0.15	0.16	0.15	0.17	0.16	0.17	0.16	0.17	0.15	0.16	0.15	0.16	0.17
180	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.17

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: linear08-3000k-RA90	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.8	88.9	88.8	88.9	88.8	88.9		
5	88.3	88.3	88.2	88.2	88.1	88.1	88.0	88.0	88.0	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9		
10	86.6	86.5	86.4	86.3	86.2	86.2	86.0	86.0	85.9	85.9	85.8	85.8	85.7	85.8	85.7	85.8	85.7		
15	83.7	83.7	83.5	83.4	83.2	83.2	82.9	82.9	82.7	82.7	82.6	82.6	82.5	82.6	82.5	82.6	82.5		
20	79.9	79.8	79.5	79.5	79.2	79.2	78.9	78.9	78.6	78.6	78.4	78.5	78.3	78.4	78.3	78.5	78.4		
25	75.2	75.1	74.9	74.7	74.5	74.4	74.1	74.0	73.8	73.8	73.6	73.6	73.5	73.5	73.5	73.5	73.5		
30	69.9	69.8	69.5	69.4	69.1	69.0	68.8	68.7	68.5	68.4	68.2	68.1	68.0	68.0	68.0	68.1	68.0		
35	64.1	64.0	63.7	63.6	63.3	63.2	63.0	62.9	62.7	62.6	62.4	62.3	62.2	62.2	62.1	62.2	62.1		
40	58.0	57.9	57.6	57.5	57.3	57.2	57.0	56.9	56.7	56.6	56.3	56.3	56.1	56.1	55.9	56.0	55.9		
45	51.6	51.6	51.3	51.3	51.1	51.1	50.8	50.8	50.6	50.5	50.2	50.1	49.8	49.8	49.7	49.7	49.5		
50	45.1	45.1	44.9	45.0	44.8	44.8	44.6	44.6	44.4	44.3	44.0	43.9	43.6	43.5	43.3	43.3	43.1		
55	38.5	38.6	38.5	38.6	38.5	38.6	38.4	38.5	38.2	38.1	37.8	37.6	37.3	37.2	36.9	36.8	36.6		
60	32.0	32.2	32.1	32.2	32.2	32.3	32.3	32.3	32.1	32.0	31.6	31.4	31.0	30.8	30.5	30.4	30.1		
65	25.6	25.8	25.8	25.9	26.0	26.2	26.1	26.2	26.1	25.9	25.6	25.3	24.8	24.6	24.2	24.1	23.8		
70	19.3	19.5	19.5	19.8	19.8	20.1	20.1	20.3	20.1	20.0	19.6	19.3	18.8	18.5	18.1	18.0	17.6		
75	12.7	13.0	13.2	13.7	13.9	14.2	14.2	14.4	14.3	14.2	13.7	13.4	12.8	12.6	12.2	12.0	11.6		
80	6.14	6.50	6.72	7.31	7.71	8.36	8.48	8.73	8.62	8.46	7.97	7.63	7.01	6.52	5.90	5.65	5.30		
85	0.44	0.76	0.91	1.39	1.76	2.39	2.81	3.23	3.15	2.99	2.45	1.93	1.27	0.90	0.39	0.27	0.05		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00		
130	0.00	0.03	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.04	0.00		
135	0.00	0.06	0.01	0.06	0.01	0.06	0.01	0.06	0.02	0.06	0.02	0.06	0.01	0.06	0.02	0.06	0.01		
140	0.03	0.08	0.03	0.08	0.03	0.09	0.05	0.09	0.04	0.09	0.04	0.09	0.05	0.09	0.04	0.08	0.04		
145	0.06	0.10	0.05	0.10	0.07	0.10	0.06	0.11	0.07	0.11	0.07	0.11	0.06	0.11	0.06	0.10	0.07		
150	0.07	0.12	0.08	0.12	0.08	0.13	0.08	0.13	0.08	0.13	0.08	0.13	0.08	0.13	0.08	0.12	0.08		
155	0.09	0.14	0.09	0.15	0.10	0.14	0.10	0.14	0.10	0.15	0.10	0.14	0.10	0.15	0.10	0.15	0.10		
160	0.12	0.16	0.11	0.16	0.12	0.16	0.12	0.16	0.12	0.16	0.12	0.16	0.12	0.17	0.12	0.16	0.12		
165	0.13	0.17	0.13	0.16	0.13	0.16	0.13	0.16	0.13	0.16	0.13	0.16	0.13	0.17	0.14	0.16	0.14		
170	0.15	0.17	0.15	0.16	0.14	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.15	0.17	0.15	0.16	0.15		
175	0.16	0.17	0.15	0.16	0.16	0.17	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.17	0.16	0.16	0.16		
180	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17	0.17		

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: