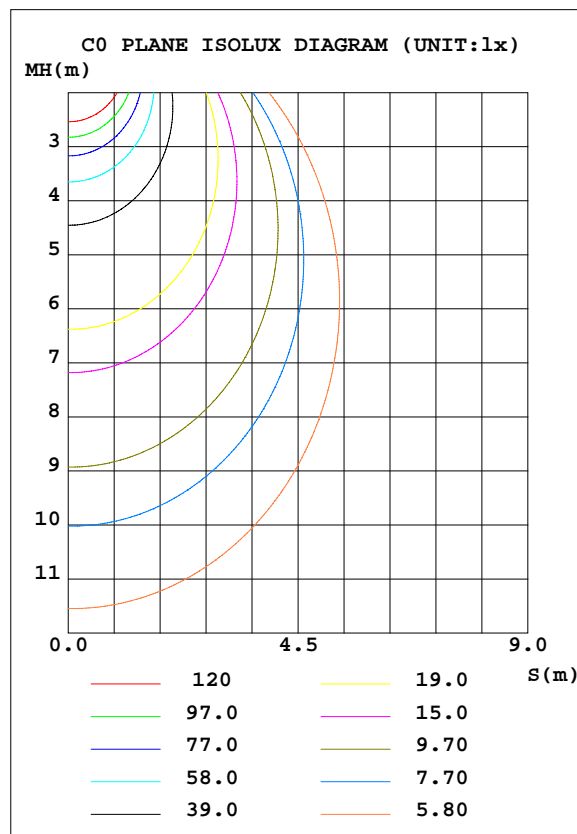
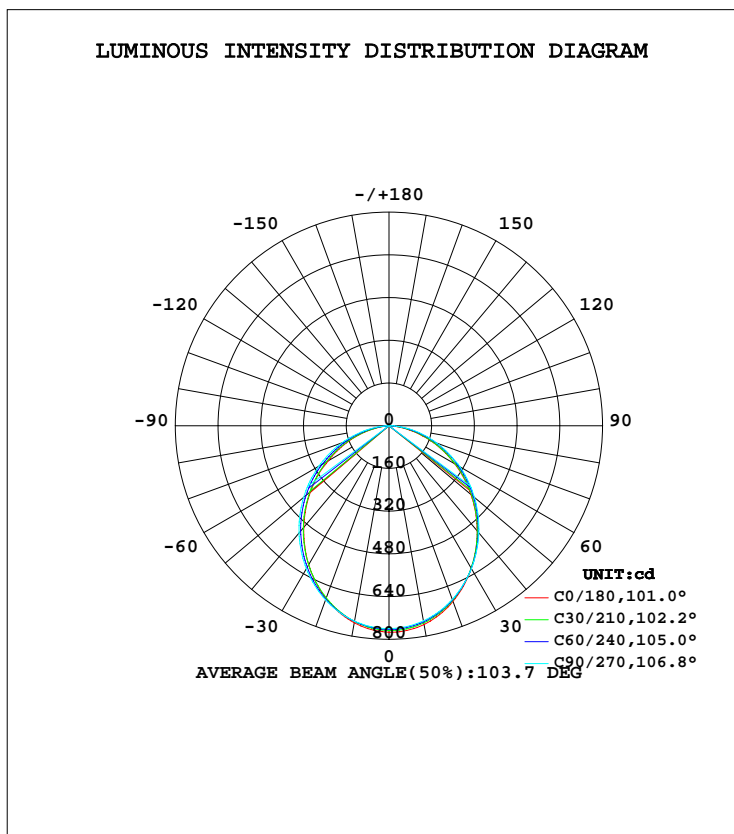


## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 31" Wide Linear LED Light 30-Watts	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Avenue Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 63.66 lm/W
MODEL	ML7080-BLK	I <sub>max</sub> (cd)	773.3	S/MH(C0/180)	1.19	
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1970.9	η UP, DN(C0-180)	0.2, 50.1	
NOMINAL FLUX(lm)	1970.94	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.5	
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	



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:0  
 Test Date:2022-06-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	755.8	747.5	742.2	736.6	749.2	743.8	743.1	740.8	0- 10	71.83	71.83	3.64,3.64
20	700.6	695.4	692.7	681.8	688.8	688.6	694.1	689.3	10- 20	203.0	274.8	13.9,13.9
30	616.5	615.8	617.3	601.0	601.4	606.7	618.8	610.4	20- 30	300.4	575.2	29.2,29.2
40	514.2	517.5	523.5	502.8	496.8	506.6	524.1	512.4	30- 40	351.4	926.6	47,47
50	401.2	408.4	418.0	394.5	383.6	396.2	417.2	403.3	40- 50	352.7	1279	64.9,64.9
60	284.1	294.2	306.6	280.7	263.2	278.6	303.2	287.5	50- 60	308.2	1587	80.5,80.5
70	168.6	178.7	191.1	168.0	150.6	164.2	187.7	172.0	60- 70	226.1	1814	92,92
80	60.90	71.82	85.67	63.52	47.17	56.60	76.86	63.96	70- 80	123.9	1937	98.3,98.3
90	0.1249	0.1691	1.110	0.1184	0.1229	0.1877	0.1688	0.1112	80- 90	26.26	1964	99.6,99.6
100	0.2546	0.3091	0.3919	0.3232	0.3448	0.3352	0.3537	0.3068	90-100	0.2298	1964	99.6,99.6
110	0.5565	0.6346	0.7506	0.6489	0.6610	0.6536	0.6745	0.6088	100-110	0.5061	1964	99.7,99.7
120	0.9338	1.024	1.152	1.050	1.048	1.034	1.061	0.9816	110-120	0.8240	1965	99.7,99.7
130	1.335	1.435	1.558	1.449	1.454	1.428	1.448	1.373	120-130	1.100	1966	99.8,99.8
140	1.741	1.836	1.945	1.838	1.860	1.822	1.817	1.760	130-140	1.256	1968	99.8,99.8
150	2.123	2.199	2.280	2.194	2.237	2.173	2.152	2.121	140-150	1.254	1969	99.9,99.9
160	2.472	2.506	2.539	2.485	2.577	2.473	2.440	2.426	150-160	1.076	1970	99.9,99.9
170	2.765	2.732	2.737	2.699	2.836	2.718	2.671	2.671	160-170	0.7348	1971	100,100
180	2.893	2.836	2.803	2.789	2.902	2.834	2.794	2.789	170-180	0.2639	1971	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

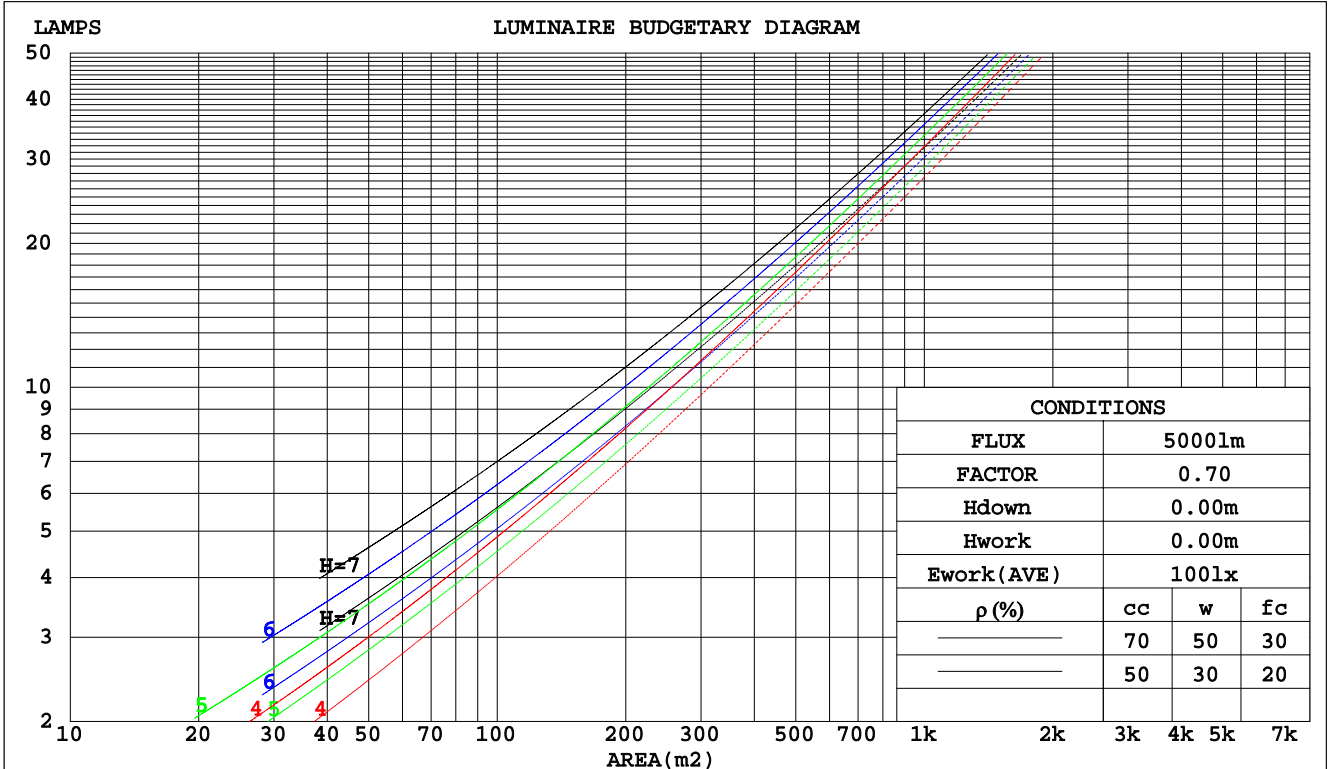
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:0  
Test Date:2022-06-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																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	.97	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	.83	.78	.75	.79	.76	.73	.71
3.0	.80	.73	.66	.79	.71	.66	.76	.70	.64	.73	.68	.63	.70	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.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: 0  
 Test Date: 2022-06-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

WEC AND CCEC

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.297	.169	.053	.290	.165	.052	.276	.158	.051	.264	.152	.049	.252	.146	.047	
2.0	.282	.154	.047	.276	.152	.047	.264	.147	.046	.253	.142	.044	.243	.137	.043	
3.0	.262	.140	.042	.257	.137	.041	.246	.133	.041	.237	.130	.040	.228	.126	.039	
4.0	.243	.126	.037	.238	.125	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.225	.115	.033	.221	.113	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029	
7.0	.195	.096	.027	.192	.095	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.089	.025	.179	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.171	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.137	.119	.107	.094	.082	.061	.054	.048	.020	.017	.015	
2.0	.174	.135	.102	.149	.116	.088	.102	.080	.062	.059	.047	.036	.019	.015	.012	
3.0	.166	.117	.078	.142	.101	.068	.098	.070	.048	.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	.129	.081	.044	.089	.056	.031	.052	.033	.019	.017	.011	.006	
6.0	.144	.085	.043	.123	.073	.037	.085	.051	.026	.049	.030	.016	.016	.010	.005	
7.0	.137	.078	.037	.118	.068	.032	.081	.047	.023	.047	.028	.013	.015	.009	.004	
8.0	.131	.072	.032	.112	.063	.028	.078	.044	.020	.045	.026	.012	.015	.008	.004	
9.0	.125	.067	.028	.107	.058	.025	.074	.041	.018	.043	.024	.010	.014	.008	.003	
10.0	.119	.063	.026	.103	.055	.022	.071	.038	.016	.041	.023	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:0  
 Test Date:2022-06-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: linear80-s-3000k-90RA-30w		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: 0		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		19.0	20.5	19.2	20.7	20.9	19.3	20.8	19.6	21.0	21.2
	3H	20.3	21.7	20.6	21.9	22.2	20.8	22.2	21.1	22.4	22.7
	4H	20.8	22.1	21.1	22.4	22.6	21.4	22.7	21.8	23.0	23.3
	6H	21.1	22.4	21.5	22.6	22.9	21.9	23.1	22.2	23.4	23.7
	8H	21.2	22.4	21.5	22.7	23.0	22.1	23.3	22.4	23.5	23.8
	12H	21.2	22.3	21.6	22.6	23.0	22.2	23.3	22.5	23.6	23.9
	4H 2H	19.6	20.9	19.9	21.1	21.4	19.8	21.1	20.2	21.4	21.7
	3H	21.1	22.3	21.5	22.6	22.9	21.5	22.7	21.9	23.0	23.3
	4H	21.7	22.8	22.1	23.1	23.4	22.3	23.3	22.7	23.7	24.0
	6H	22.1	23.1	22.6	23.4	23.8	22.9	23.8	23.3	24.2	24.6
	8H	22.3	23.1	22.7	23.5	23.9	23.1	24.0	23.5	24.4	24.7
	12H	22.3	23.1	22.7	23.5	23.9	23.3	24.1	23.7	24.4	24.9
	8H 4H	22.0	22.9	22.4	23.2	23.6	22.5	23.4	22.9	23.7	24.1
	6H	22.6	23.3	23.0	23.7	24.1	23.3	24.0	23.7	24.4	24.8
	8H	22.7	23.3	23.2	23.8	24.2	23.6	24.2	24.0	24.6	25.1
	12H	22.8	23.3	23.3	23.8	24.3	23.8	24.3	24.3	24.8	25.3
	12H 4H	22.0	22.8	22.5	23.2	23.6	22.5	23.3	22.9	23.7	24.1
	6H	22.6	23.2	23.1	23.7	24.1	23.3	23.9	23.8	24.4	24.8
	8H	22.8	23.3	23.3	23.8	24.3	23.6	24.2	24.1	24.6	25.1
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 1971 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:0  
Test Date:2022-06-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

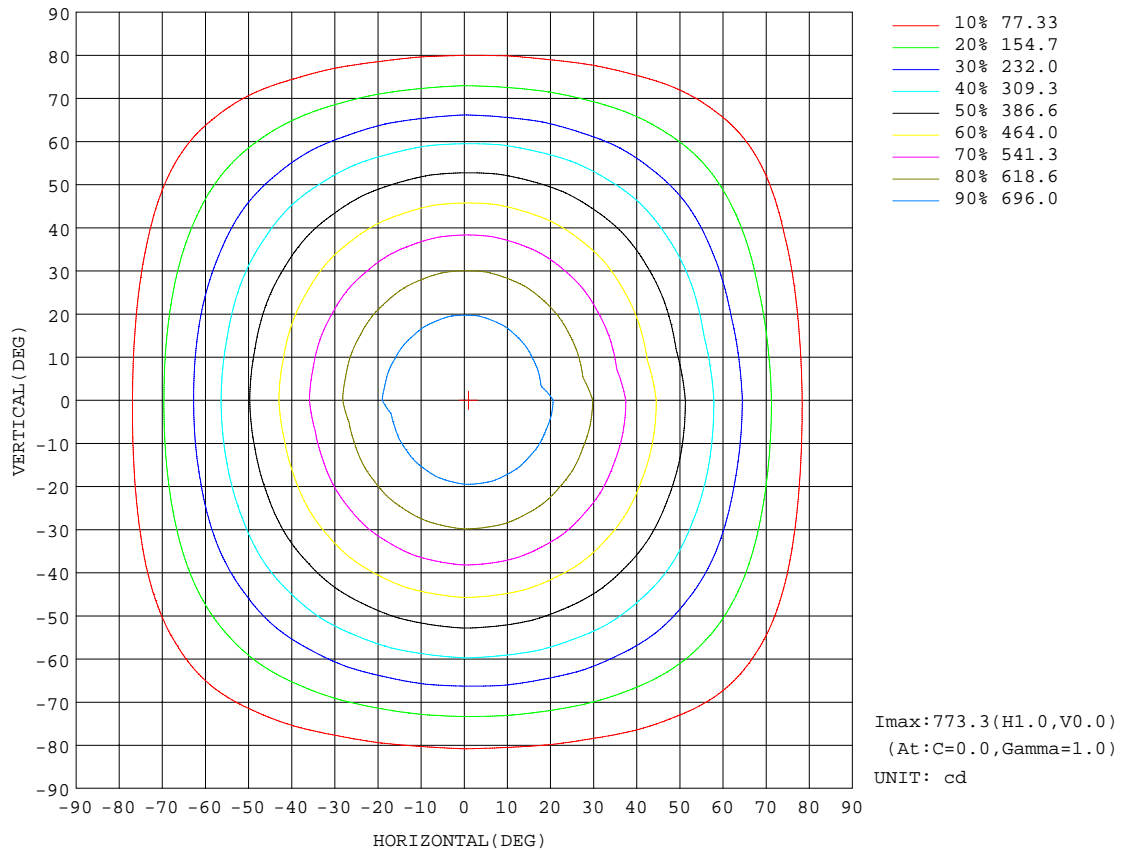
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	58	50	68	57	50	66	56	50	43
1.00	77	66	59	76	66	59	74	67	59	52
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	72	84	77	71	64
2.00	96	88	81	94	86	81	91	84	79	71
2.50	100	92	86	98	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	95	100	96	93	84
5.00	109	104	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: 0  
 Test Date: 2022-06-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

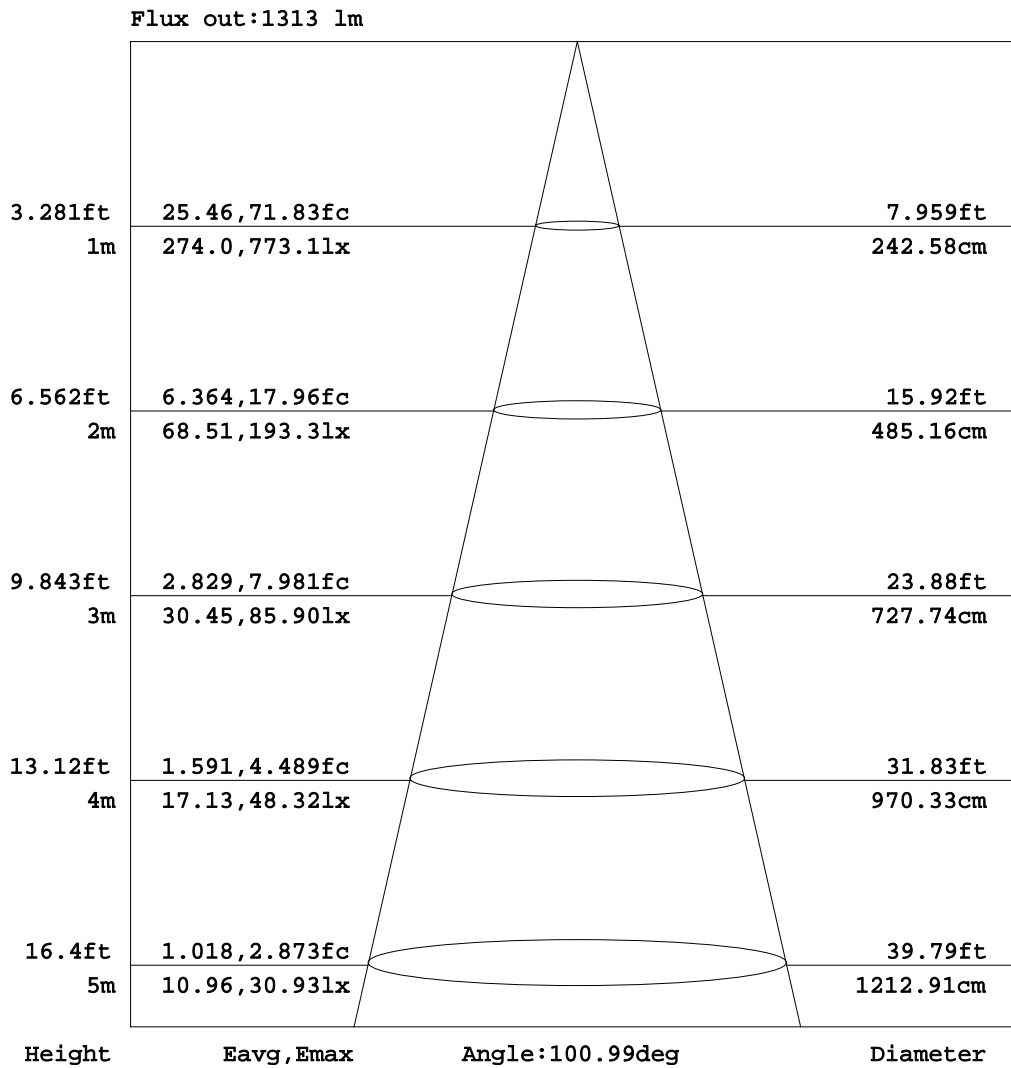


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 0  
 Test Date: 2022-06-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

AAI Figure

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



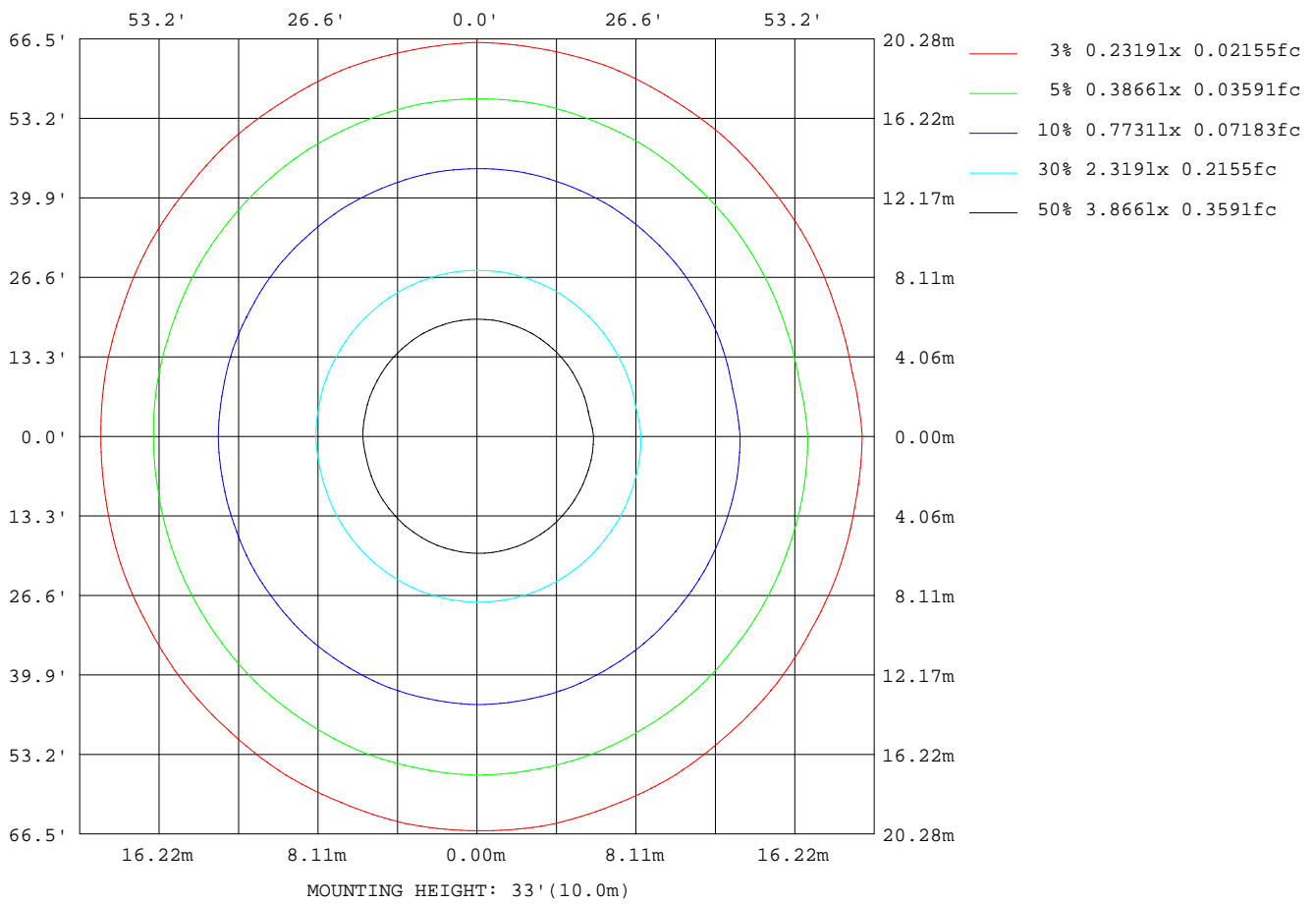
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:0  
 Test Date:2022-06-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 0  
 Test Date: 2022-06-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

## Average Luminance Table(CIBSE)

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	1970.94	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	5978	5996	5984	6052	6082	6175	6216	6297	6303	6323	6243	6182	6051	5964	5831	5764	5667	5651	5673
60	5682	5675	5701	5749	5824	5944	5987	6093	6098	6133	6033	5969	5809	5673	5553	5398	5361	5268	5265
65	5346	5304	5377	5402	5529	5587	5731	5773	5874	5829	5802	5638	5535	5338	5230	5066	5006	4914	4879
70	4928	4909	4982	5038	5177	5270	5430	5508	5614	5588	5533	5352	5207	4986	4838	4663	4575	4478	4403
75	4324	4392	4410	4565	4657	4866	4986	5188	5239	5304	5141	4996	4721	4528	4266	4124	3942	3892	3744
80	3507	3605	3647	3854	3994	4277	4454	4738	4840	4933	4711	4491	4105	3834	3482	3289	3042	2979	2717
85	1835	2012	2081	2422	2635	3099	3398	3906	4113	4318	3909	3498	2837	2402	1850	1567	1214	1123	691

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

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	6323	200	---	500
Category 2	65 to 90	5874	200	---	500
Category 3	75 to 90	5304	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:0  
 Test Date:2022-06-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

## Average Luminance Table(CIBSE)

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	1970.94	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	5978	5996	5984	6052	6082	6175	6216	6297	6303	6323	6243	6182	6051	5964	5831	5764	5667	5651	5673
60	5682	5675	5701	5749	5824	5944	5987	6093	6098	6133	6033	5969	5809	5673	5553	5398	5361	5268	5265
65	5346	5304	5377	5402	5529	5587	5731	5773	5874	5829	5802	5638	5535	5338	5230	5066	5006	4914	4879
70	4928	4909	4982	5038	5177	5270	5430	5508	5614	5588	5533	5352	5207	4986	4838	4663	4575	4478	4403
75	4324	4392	4410	4565	4657	4866	4986	5188	5239	5304	5141	4996	4721	4528	4266	4124	3942	3892	3744
80	3507	3605	3647	3854	3994	4277	4454	4738	4840	4933	4711	4491	4105	3834	3482	3289	3042	2979	2717
85	1835	2012	2081	2422	2635	3099	3398	3906	4113	4318	3909	3498	2837	2402	1850	1567	1214	1123	691

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	6323	1000	1500	200	500
65 to 90	5874	1000	1500	200	500

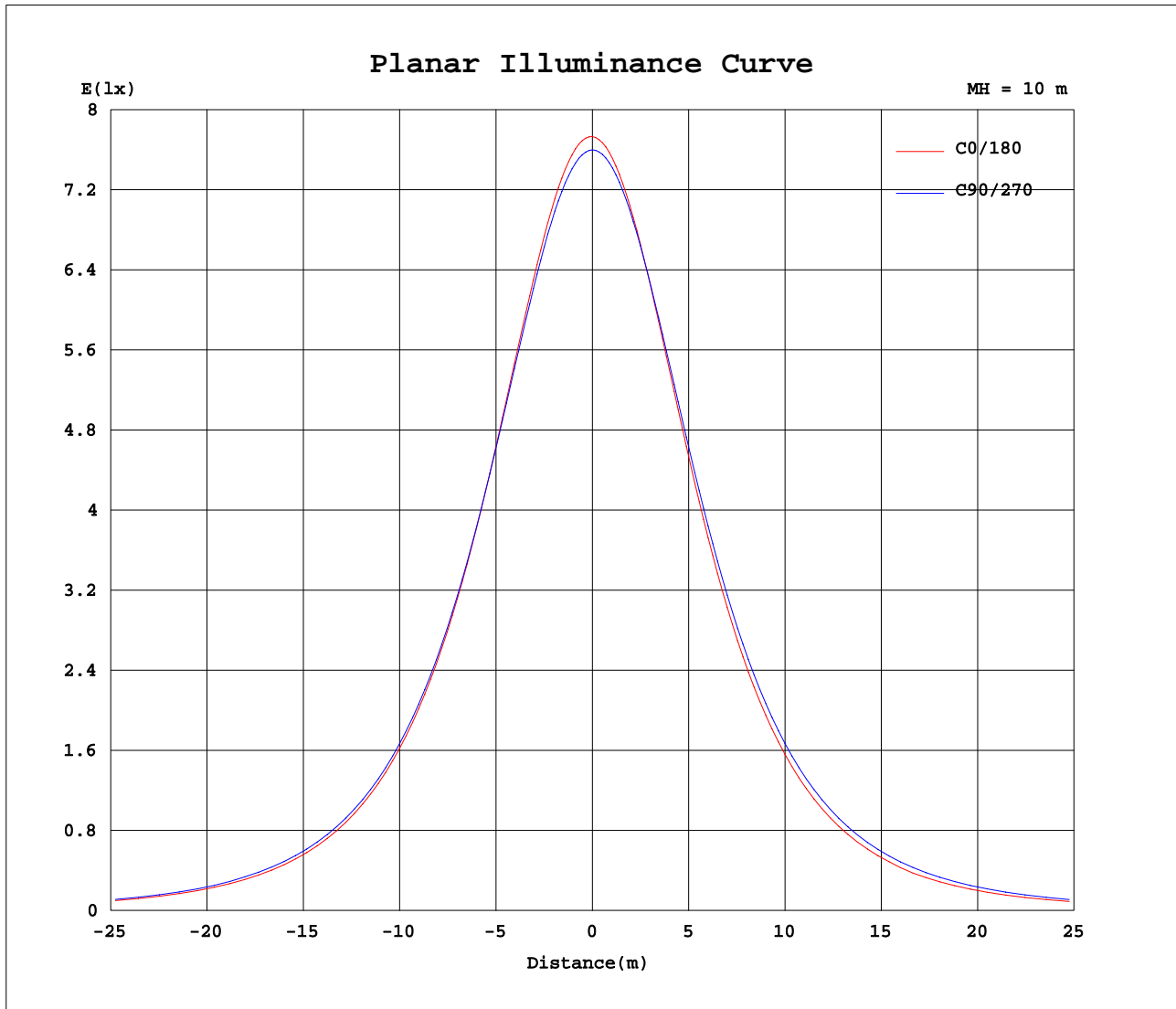
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:0  
Test Date:2022-06-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-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: 0  
Test Date: 2022-06-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	773	771	769	767	765	764	763	762	761	760	759	759	758	758	757	757	757	756	773
5	770	767	765	763	761	760	759	758	756	755	754	753	752	752	751	751	750	750	766
10	756	754	751	750	748	747	745	745	743	742	741	740	738	737	736	735	734	735	749
15	732	731	728	727	726	725	724	724	722	721	719	718	715	714	712	711	710	710	723
20	701	699	697	697	695	696	695	695	693	693	690	688	685	683	680	679	677	677	689
25	662	660	658	659	658	659	659	660	658	658	655	653	649	646	642	640	638	637	648
30	617	616	614	615	615	617	617	619	618	617	614	611	607	603	599	596	593	593	601
35	567	567	565	567	567	570	571	573	572	572	569	566	560	556	551	548	544	543	551
40	514	514	513	515	516	519	521	524	523	523	519	516	510	506	500	496	492	491	497
45	458	459	458	461	462	466	468	471	471	472	468	464	457	453	446	442	438	437	441
50	401	402	401	404	406	411	413	417	417	418	414	410	403	398	391	387	382	381	384
55	343	344	343	347	349	354	357	361	362	363	358	355	347	342	334	331	325	324	325
60	284	284	285	287	291	297	299	305	305	307	302	298	290	284	278	270	268	263	263
65	226	224	227	228	234	236	242	244	248	246	245	238	234	226	221	214	212	208	206
70	169	168	170	172	177	180	186	188	192	191	189	183	178	171	165	159	156	153	151
75	112	114	114	118	121	126	129	134	136	137	133	129	122	117	110	107	102	101	96.9
80	60.9	62.6	63.3	66.9	69.4	74.3	77.3	82.3	84.1	85.7	81.8	78.0	71.3	66.6	60.5	57.1	52.8	51.7	47.2
85	16.0	17.5	18.1	21.1	23.0	27.0	29.6	34.0	35.9	37.6	34.1	30.5	24.7	20.9	16.1	13.7	10.6	9.79	6.02
90	0.12	0.08	0.12	0.09	0.15	0.18	0.25	0.46	0.68	1.11	0.39	0.17	0.15	0.11	0.12	0.09	0.11	0.09	0.12
95	0.14	0.17	0.14	0.18	0.16	0.20	0.19	0.23	0.21	0.25	0.22	0.24	0.20	0.21	0.17	0.18	0.16	0.17	0.22
100	0.25	0.29	0.26	0.31	0.28	0.34	0.32	0.37	0.35	0.39	0.35	0.38	0.33	0.35	0.30	0.32	0.27	0.31	0.34
105	0.40	0.43	0.40	0.45	0.43	0.48	0.48	0.53	0.52	0.56	0.52	0.55	0.50	0.51	0.45	0.47	0.42	0.45	0.50
110	0.56	0.60	0.57	0.62	0.60	0.67	0.65	0.71	0.69	0.75	0.70	0.73	0.67	0.68	0.62	0.64	0.58	0.61	0.66
115	0.74	0.77	0.74	0.80	0.78	0.85	0.84	0.90	0.89	0.95	0.91	0.93	0.86	0.88	0.81	0.82	0.76	0.80	0.85
120	0.93	0.97	0.94	1.01	0.99	1.06	1.04	1.12	1.09	1.15	1.11	1.14	1.07	1.09	1.01	1.02	0.96	0.98	1.05
125	1.12	1.18	1.15	1.21	1.19	1.27	1.25	1.33	1.31	1.36	1.32	1.34	1.27	1.28	1.22	1.23	1.17	1.18	1.25
130	1.34	1.39	1.36	1.43	1.40	1.47	1.45	1.52	1.50	1.56	1.51	1.54	1.47	1.48	1.42	1.44	1.37	1.39	1.45
135	1.54	1.59	1.57	1.62	1.60	1.67	1.65	1.72	1.69	1.76	1.70	1.74	1.67	1.69	1.61	1.63	1.56	1.59	1.66
140	1.74	1.80	1.77	1.83	1.81	1.86	1.85	1.91	1.88	1.94	1.89	1.92	1.85	1.87	1.81	1.83	1.76	1.78	1.86
145	1.93	2.01	1.97	2.03	1.99	2.06	2.03	2.09	2.06	2.11	2.07	2.10	2.03	2.06	1.99	2.02	1.95	1.98	2.05
150	2.12	2.20	2.16	2.21	2.17	2.23	2.19	2.26	2.22	2.28	2.23	2.27	2.19	2.23	2.16	2.19	2.13	2.16	2.24
155	2.30	2.37	2.33	2.38	2.34	2.38	2.34	2.41	2.36	2.42	2.37	2.40	2.35	2.38	2.32	2.35	2.28	2.32	2.42
160	2.47	2.53	2.49	2.53	2.48	2.53	2.48	2.53	2.49	2.54	2.49	2.53	2.47	2.52	2.45	2.49	2.43	2.48	2.58
165	2.63	2.68	2.62	2.67	2.61	2.65	2.60	2.64	2.60	2.65	2.60	2.64	2.59	2.62	2.58	2.62	2.57	2.61	2.72
170	2.77	2.80	2.74	2.77	2.71	2.75	2.69	2.74	2.69	2.74	2.69	2.74	2.68	2.73	2.67	2.73	2.68	2.73	2.84
175	2.84	2.88	2.81	2.84	2.78	2.80	2.77	2.81	2.76	2.80	2.76	2.80	2.75	2.79	2.75	2.79	2.75	2.80	2.90
180	2.89	2.89	2.86	2.86	2.84	2.84	2.81	2.81	2.80	2.80	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.81	2.90

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 0  
 Test Date: 2022-06-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: linear80-s-3000k-90RA-30w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	771	769	767	765	764	763	762	761	760	759	759	758	758	757	757	757	756		
5	764	762	761	760	758	758	757	756	756	755	755	755	754	754	753	753	752		
10	747	746	744	744	743	744	743	744	743	743	742	742	741	741	739	739	738		
15	721	720	719	720	720	721	722	723	722	723	722	721	719	719	717	716	715		
20	686	687	686	688	689	691	692	694	694	695	693	692	690	689	686	685	683		
25	646	647	647	650	651	655	656	659	659	660	658	657	654	652	648	647	644		
30	599	601	602	606	608	612	615	618	619	620	617	616	612	609	605	603	600		
35	549	551	552	557	560	565	568	573	573	574	571	569	565	562	557	555	551		
40	495	498	499	505	508	515	518	523	524	525	522	520	514	511	505	503	499		
45	439	443	444	450	454	461	465	471	472	473	469	467	461	457	451	449	444		
50	382	386	388	394	398	406	410	416	417	418	414	412	405	401	395	393	388		
55	324	328	330	337	341	349	353	359	361	362	358	355	348	344	338	335	331		
60	266	266	271	274	283	289	295	302	303	304	300	297	290	285	280	274	273		
65	208	208	214	217	225	229	237	240	245	243	242	236	232	225	223	217	216		
70	151	153	157	161	168	173	180	184	188	186	184	179	175	169	166	161	160		
75	96.0	98.9	101	106	110	117	122	128	130	131	126	123	118	114	109	108	105		
80	46.1	48.6	50.1	54.8	58.4	64.8	69.1	75.0	76.9	77.3	73.3	70.5	65.3	62.7	58.5	57.2	54.8		
85	5.28	6.70	7.33	10.4	12.7	17.5	20.9	26.2	27.8	28.3	24.5	22.4	18.4	16.8	13.8	13.4	11.7		
90	0.17	0.12	0.13	0.12	0.25	0.14	0.17	0.14	0.17	0.14	0.15	0.12	0.13	0.09	0.15	0.09	0.10		
95	0.18	0.21	0.19	0.22	0.19	0.23	0.22	0.26	0.22	0.25	0.21	0.22	0.18	0.19	0.16	0.17	0.14		
100	0.30	0.34	0.31	0.34	0.33	0.37	0.35	0.39	0.35	0.39	0.33	0.35	0.30	0.32	0.27	0.30	0.26		
105	0.46	0.50	0.45	0.50	0.48	0.52	0.50	0.54	0.51	0.53	0.48	0.50	0.44	0.46	0.41	0.43	0.40		
110	0.61	0.65	0.62	0.67	0.64	0.69	0.67	0.72	0.67	0.70	0.64	0.66	0.60	0.62	0.57	0.60	0.56		
115	0.79	0.84	0.80	0.85	0.83	0.88	0.86	0.90	0.87	0.89	0.83	0.85	0.78	0.80	0.75	0.77	0.73		
120	1.00	1.03	1.00	1.05	1.02	1.08	1.06	1.10	1.06	1.09	1.02	1.04	0.98	0.99	0.93	0.96	0.92		
125	1.19	1.24	1.20	1.25	1.22	1.27	1.25	1.30	1.25	1.28	1.21	1.24	1.17	1.19	1.13	1.15	1.11		
130	1.40	1.44	1.40	1.44	1.41	1.47	1.44	1.49	1.45	1.48	1.41	1.44	1.36	1.38	1.33	1.36	1.32		
135	1.59	1.64	1.60	1.65	1.61	1.66	1.63	1.69	1.63	1.67	1.60	1.62	1.56	1.58	1.52	1.56	1.51		
140	1.80	1.84	1.79	1.84	1.80	1.86	1.82	1.87	1.82	1.85	1.78	1.81	1.75	1.77	1.72	1.76	1.70		
145	2.00	2.03	1.98	2.03	1.98	2.03	2.00	2.04	1.99	2.03	1.97	1.99	1.93	1.96	1.92	1.95	1.90		
150	2.18	2.20	2.15	2.20	2.15	2.20	2.16	2.20	2.15	2.19	2.13	2.16	2.10	2.14	2.09	2.13	2.09		
155	2.35	2.37	2.32	2.36	2.31	2.35	2.31	2.36	2.31	2.34	2.28	2.33	2.26	2.29	2.25	2.30	2.26		
160	2.49	2.53	2.46	2.50	2.45	2.50	2.45	2.49	2.44	2.47	2.42	2.45	2.40	2.45	2.41	2.45	2.41		
165	2.63	2.65	2.60	2.64	2.58	2.62	2.57	2.62	2.56	2.60	2.54	2.60	2.54	2.59	2.54	2.59	2.55		
170	2.76	2.78	2.70	2.74	2.69	2.74	2.68	2.72	2.67	2.71	2.65	2.69	2.65	2.69	2.65	2.70	2.66		
175	2.83	2.86	2.78	2.83	2.77	2.81	2.75	2.79	2.75	2.78	2.73	2.78	2.73	2.77	2.73	2.79	2.75		
180	2.88	2.88	2.85	2.85	2.82	2.82	2.80	2.80	2.79	2.80	2.79	2.80	2.79	2.79	2.79	2.80	2.80		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 0  
 Test Date: 2022-06-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.262  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks: