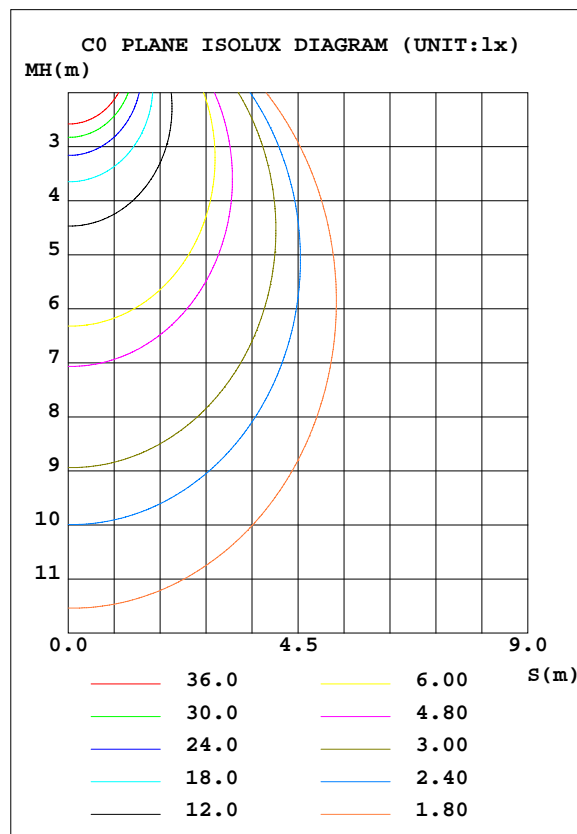
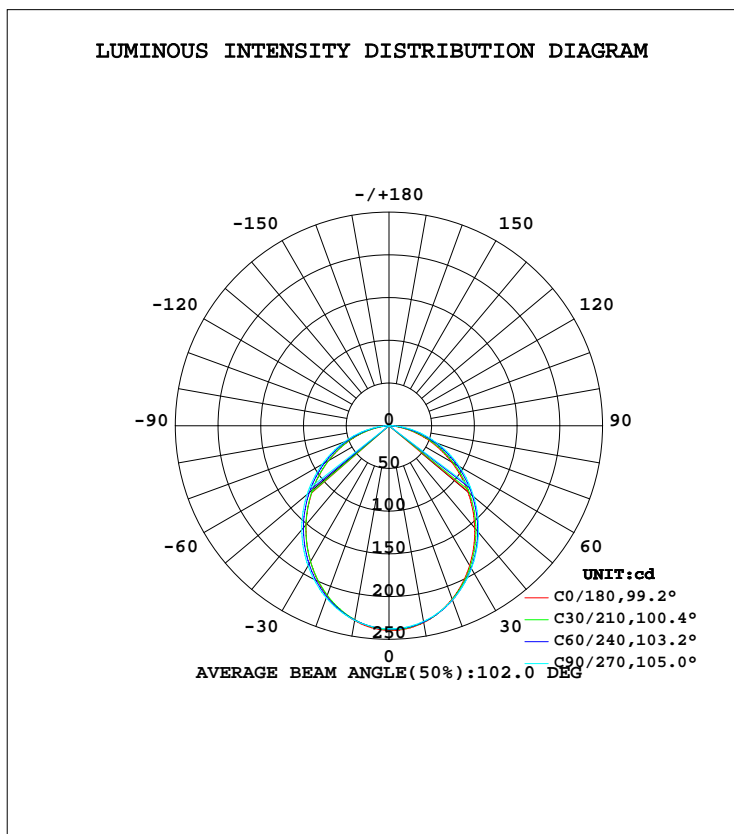


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 8" Wide Linear LED Light 8-Watts	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Avenue Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 66.36 lm/W
MODEL	ML7020-BLK	I _{max} (cd)	239.7	S/MH(C0/180)	1.18	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	605.23	η UP, DN(C0-180)	0.1, 50.6	
NOMINAL FLUX(lm)	605.231	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.1	
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	



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

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	234.0	233.3	232.6	230.7	231.6	230.6	231.3	231.3	0- 10	22.41	22.41	3.7,3.7
20	216.0	216.9	217.0	213.0	211.8	212.0	214.5	214.0	10- 20	63.15	85.56	14.1,14.1
30	188.8	191.3	193.0	186.9	183.7	185.1	189.5	187.9	20- 30	92.97	178.5	29.5,29.5
40	156.1	159.9	163.0	155.7	151.0	153.3	158.9	156.2	30- 40	108.0	286.6	47.3,47.3
50	120.6	125.3	129.7	122.0	116.5	119.2	125.2	121.5	40- 50	107.7	394.3	65.1,65.1
60	84.32	89.57	94.95	87.33	81.53	84.29	90.24	85.81	50- 60	93.63	487.9	80.6,80.6
70	49.24	54.48	60.41	53.27	47.62	50.12	55.85	50.99	60- 70	69.01	556.9	92,92
80	17.41	22.00	27.90	21.30	16.10	18.21	23.73	18.91	70- 80	38.33	595.2	98.3,98.3
90	0	0.0001	0.1732	0.0000	0	0	0	0	80- 90	8.321	603.6	99.7,99.7
100	0	0.0071	0.0237	0.0071	0.0189	0.0118	0	0.0118	90-100	0.0019	603.6	99.7,99.7
110	0.0471	0.0872	0.1275	0.0873	0.1087	0.1038	0.0990	0.0991	100-110	0.0481	603.6	99.7,99.7
120	0.1744	0.2006	0.2502	0.2123	0.2361	0.2265	0.2264	0.2171	110-120	0.1524	603.8	99.8,99.8
130	0.2972	0.3304	0.3823	0.3444	0.3636	0.3586	0.3585	0.3468	120-130	0.2501	604.0	99.8,99.8
140	0.4245	0.4602	0.5004	0.4672	0.4956	0.4790	0.4765	0.4696	130-140	0.3144	604.3	99.9,99.9
150	0.5473	0.5758	0.6136	0.5851	0.6137	0.5970	0.5851	0.5782	140-150	0.3311	604.7	99.9,99.9
160	0.6559	0.6796	0.7126	0.6819	0.7221	0.6937	0.6748	0.6819	150-160	0.2939	605.0	100,100
170	0.7502	0.7668	0.7771	0.7621	0.7913	0.7715	0.7550	0.7565	160-170	0.2052	605.2	100,100
180	0.7928	0.7928	0.7881	0.7834	0.8023	0.7928	0.7834	0.7881	170-180	0.0738	605.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

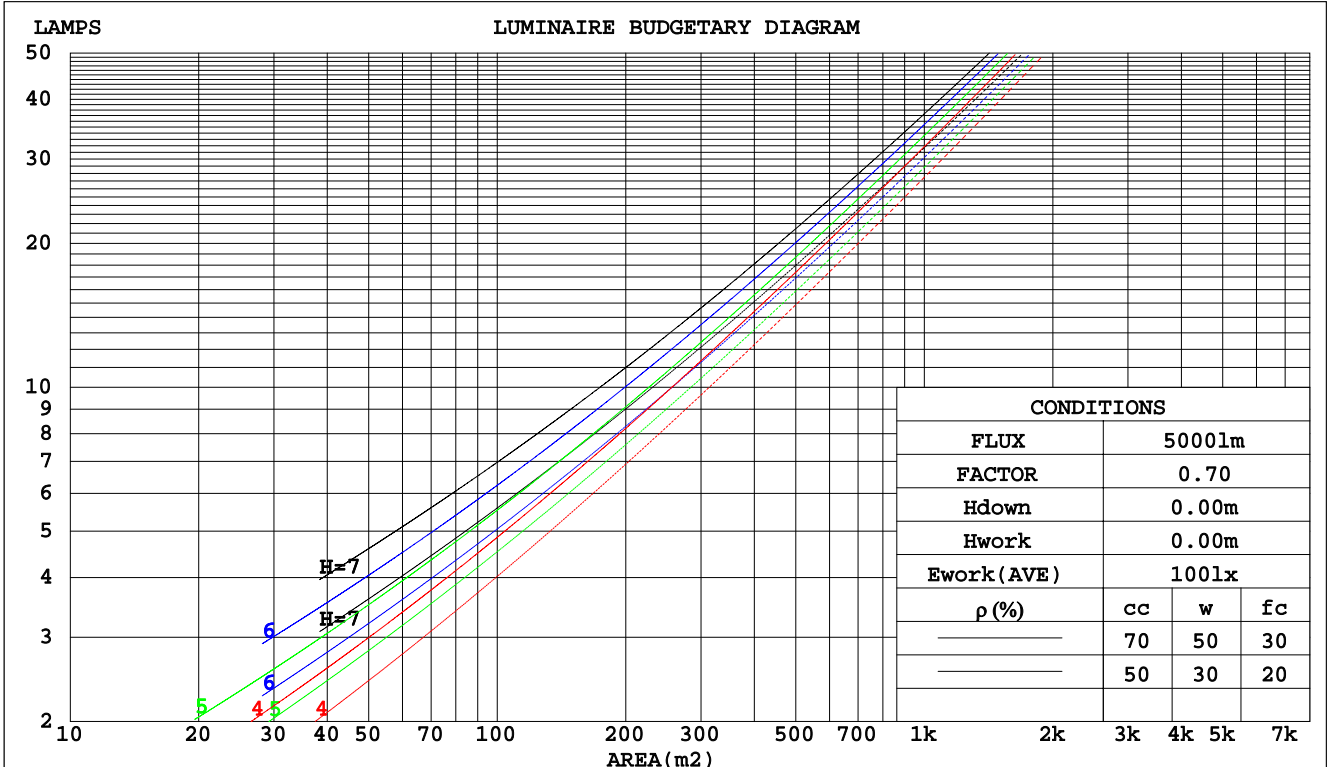
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-06-06

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: Linear20-s-3000k-90RA-8w	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																
pfc																
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	.90	.83	.78	.86	.81	.76	.83	.78	.75	.80	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.32	.27	.26



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

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: Linear20-s-3000k-90RA-8w	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	.253	.146	.047	
2.0	.282	.154	.047	.275	.152	.047	.264	.147	.046	.253	.142	.044	.243	.137	.043	
3.0	.262	.139	.042	.256	.137	.041	.246	.133	.041	.236	.129	.040	.227	.126	.039	
4.0	.242	.126	.037	.238	.124	.037	.228	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.225	.115	.033	.220	.113	.033	.212	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.029	.191	.099	.029	.185	.097	.029	
7.0	.195	.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	.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	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.182	.158	.138	.155	.136	.118	.106	.094	.082	.061	.054	.048	.020	.017	.015	
2.0	.173	.134	.101	.148	.115	.088	.102	.080	.061	.059	.046	.036	.019	.015	.012	
3.0	.165	.116	.078	.142	.100	.067	.097	.070	.047	.056	.041	.028	.018	.013	.009	
4.0	.157	.103	.061	.135	.089	.053	.093	.062	.038	.054	.036	.022	.017	.012	.007	
5.0	.150	.093	.050	.129	.080	.044	.089	.056	.031	.051	.033	.018	.017	.011	.006	
6.0	.143	.084	.042	.123	.073	.037	.085	.051	.026	.049	.030	.015	.016	.010	.005	
7.0	.136	.077	.036	.117	.067	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.130	.071	.031	.112	.062	.027	.077	.043	.019	.045	.026	.012	.015	.008	.004	
9.0	.124	.066	.028	.107	.058	.024	.074	.041	.017	.043	.024	.010	.014	.008	.003	
10.0	.118	.062	.025	.102	.054	.022	.071	.038	.015	.041	.022	.009	.013	.007	.003	

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

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: Linear20-s-3000k-90RA-8w		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	14.8	16.2	15.0	16.4	16.7	15.2	16.7	15.5	16.9	17.1	
3H	16.1	17.4	16.4	17.7	17.9	16.8	18.1	17.1	18.4	18.6	
4H	16.6	17.9	16.9	18.1	18.4	17.4	18.7	17.7	19.0	19.2	
6H	16.8	18.1	17.2	18.3	18.6	17.9	19.2	18.3	19.4	19.7	
8H	16.9	18.1	17.2	18.4	18.7	18.1	19.3	18.5	19.6	19.9	
12H	16.9	18.0	17.2	18.3	18.6	18.2	19.4	18.6	19.7	20.0	
4H 2H	15.4	16.7	15.7	16.9	17.2	15.8	17.1	16.1	17.3	17.6	
3H	16.9	18.0	17.2	18.3	18.6	17.5	18.6	17.9	18.9	19.2	
4H	17.5	18.5	17.9	18.8	19.2	18.3	19.3	18.7	19.6	20.0	
6H	17.9	18.8	18.3	19.1	19.5	18.9	19.8	19.3	20.2	20.6	
8H	18.0	18.8	18.4	19.2	19.6	19.2	20.0	19.6	20.4	20.8	
12H	18.0	18.8	18.4	19.1	19.6	19.3	20.1	19.8	20.5	20.9	
8H 4H	17.8	18.6	18.2	19.0	19.4	18.5	19.3	18.9	19.7	20.1	
6H	18.3	19.0	18.7	19.4	19.8	19.3	20.0	19.7	20.4	20.8	
8H	18.4	19.1	18.9	19.5	19.9	19.6	20.2	20.1	20.7	21.1	
12H	18.5	19.0	19.0	19.5	19.9	19.9	20.4	20.3	20.8	21.3	
12H 4H	17.8	18.6	18.2	19.0	19.4	18.5	19.3	18.9	19.7	20.1	
6H	18.4	19.0	18.8	19.4	19.9	19.3	19.9	19.8	20.4	20.8	
8H	18.5	19.1	19.0	19.5	20.0	19.7	20.2	20.1	20.6	21.1	
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 605.2 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.7)

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

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:

UTILIZATION FACTORS TABLE

NAME: Linear20-s-3000k-90RA-8w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

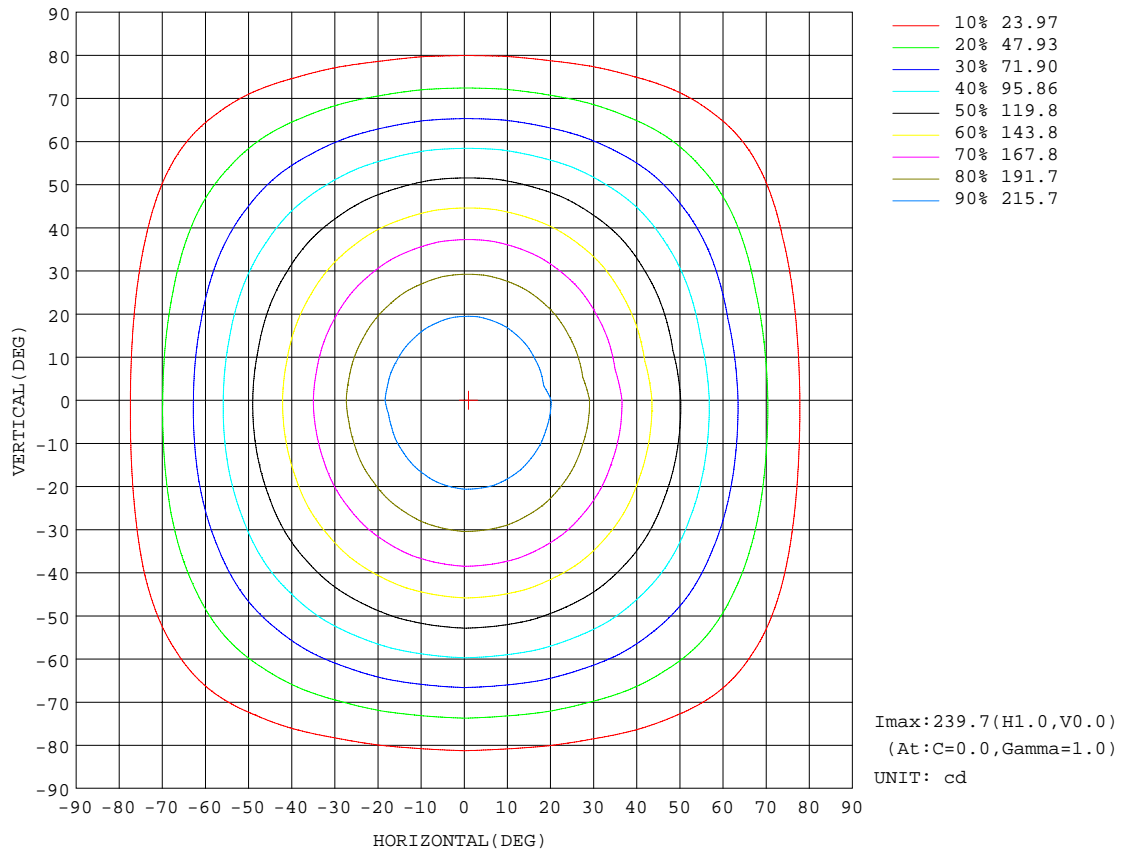
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	69	58	51	68	57	50	66	57	50	43
1.00	77	67	60	76	66	59	74	67	59	52
1.25	84	74	67	83	74	67	80	72	66	59
1.50	89	80	73	88	79	72	85	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	84	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	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: 0
 Test Date: 2022-06-06

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:

ISOCANDELA DIAGRAM

NAME: Linear20-s-3000k-90RA-8w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

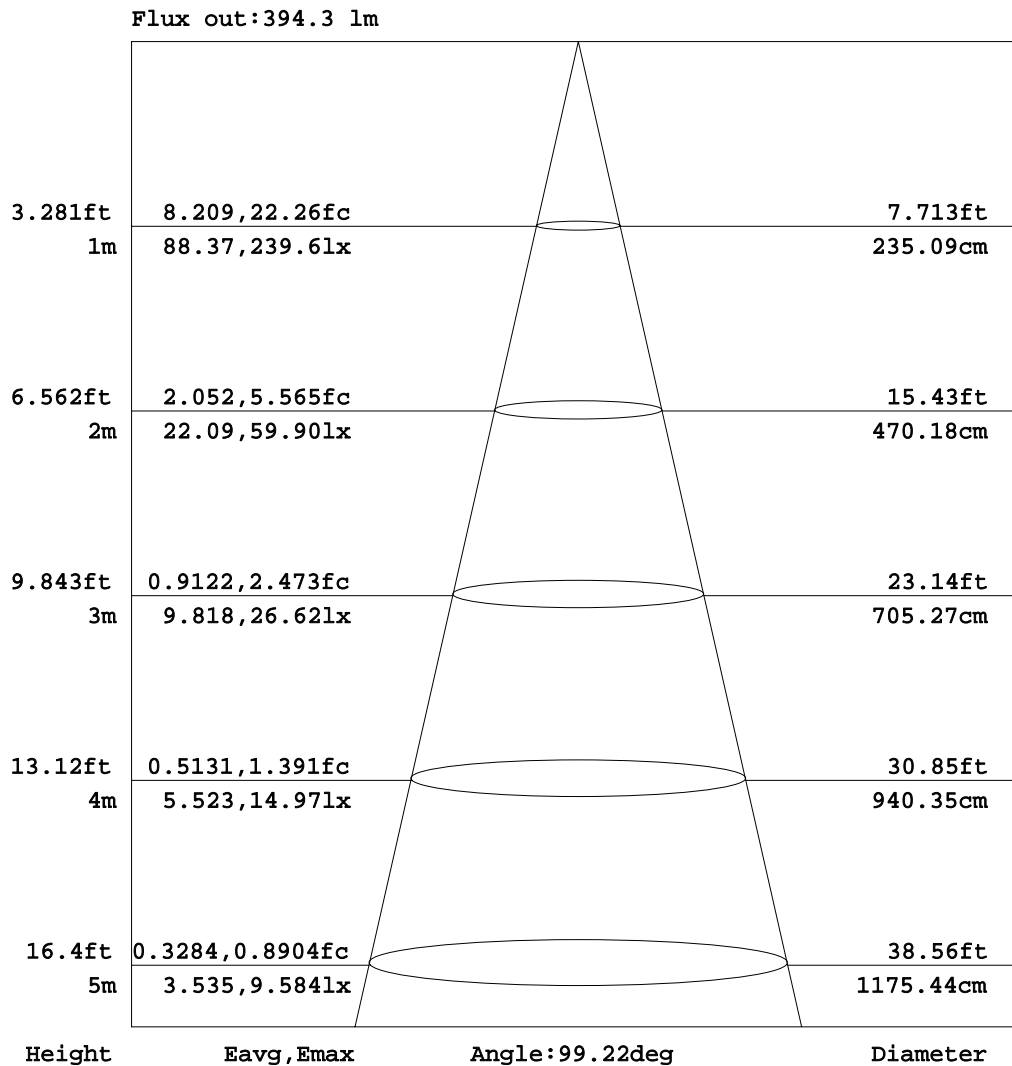


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 0
 Test Date: 2022-06-06

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:

AAI Figure

NAME: Linear20-s-3000k-90RA-8w	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



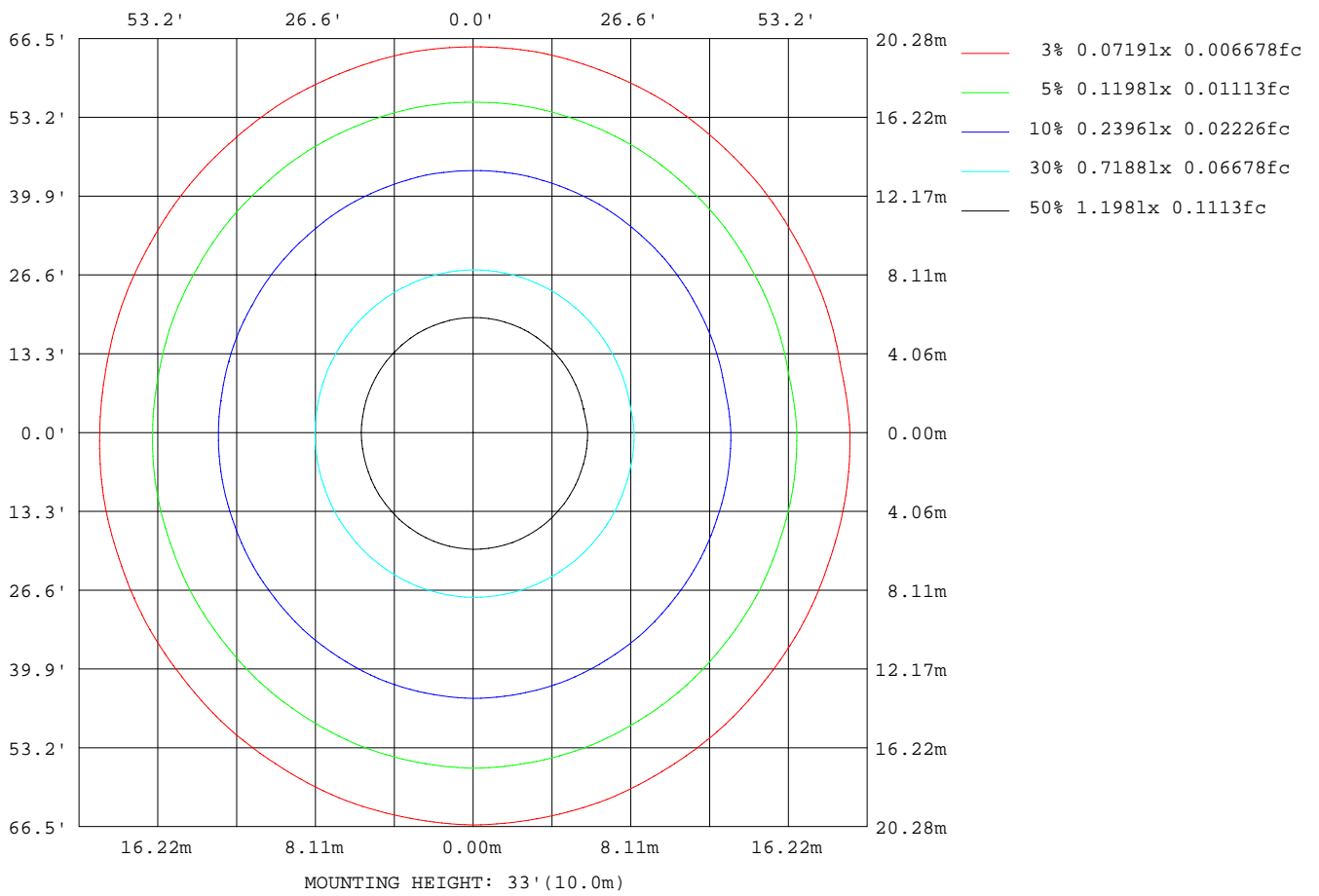
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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: Linear20-s-3000k-90RA-8w	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: 2022-06-06

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: Linear20-s-3000k-90RA-8w	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	605.231	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	1786	1798	1806	1835	1856	1891	1913	1943	1951	1960	1938	1917	1876	1845	1804	1780	1750	1741	1725
60	1686	1701	1710	1746	1770	1813	1839	1876	1886	1899	1875	1852	1805	1770	1723	1697	1662	1653	1631
65	1573	1591	1603	1645	1674	1725	1756	1802	1818	1834	1808	1781	1727	1687	1633	1603	1564	1554	1523
70	1440	1462	1477	1526	1562	1624	1664	1722	1743	1766	1734	1703	1637	1590	1525	1492	1445	1434	1392
75	1266	1295	1313	1377	1420	1500	1551	1630	1660	1693	1652	1610	1526	1468	1386	1346	1288	1275	1216
80	1003	1039	1069	1150	1214	1320	1397	1505	1561	1607	1553	1484	1365	1280	1173	1115	1041	1021	927
85	431	494	534	670	763	950	1077	1273	1382	1479	1367	1233	1014	877	687	605	480	458	298

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	1960	200	---	500
Category 2	65 to 90	1834	200	---	500
Category 3	75 to 90	1693	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:2022-06-06

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: Linear20-s-3000k-90RA-8w	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	605.231	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	1786	1798	1806	1835	1856	1891	1913	1943	1951	1960	1938	1917	1876	1845	1804	1780	1750	1741	1725
60	1686	1701	1710	1746	1770	1813	1839	1876	1886	1899	1875	1852	1805	1770	1723	1697	1662	1653	1631
65	1573	1591	1603	1645	1674	1725	1756	1802	1818	1834	1808	1781	1727	1687	1633	1603	1564	1554	1523
70	1440	1462	1477	1526	1562	1624	1664	1722	1743	1766	1734	1703	1637	1590	1525	1492	1445	1434	1392
75	1266	1295	1313	1377	1420	1500	1551	1630	1660	1693	1652	1610	1526	1468	1386	1346	1288	1275	1216
80	1003	1039	1069	1150	1214	1320	1397	1505	1561	1607	1553	1484	1365	1280	1173	1115	1041	1021	927
85	431	494	534	670	763	950	1077	1273	1382	1479	1367	1233	1014	877	687	605	480	458	298

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	1960	1000	1500	200	500
65 to 90	1834	1000	1500	200	500

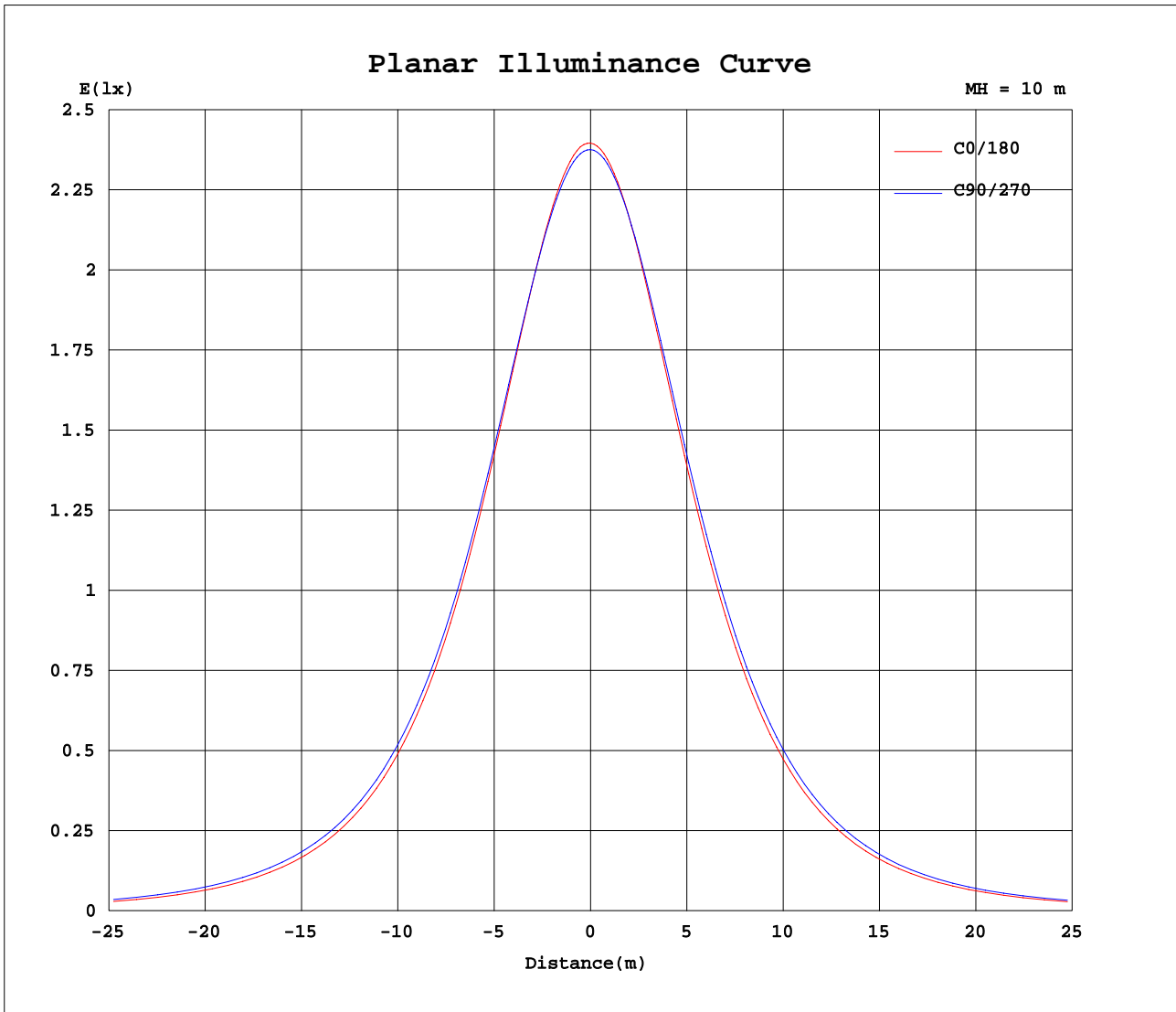
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

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

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:

Planar Illuminance Curve



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

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: Linear20-s-3000k-90RA-8w	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	240	239	239	239	238	238	238	238	238	238	237	237	237	237	237	237	237	237	240
5	238	238	238	238	237	237	237	237	237	236	236	236	236	236	235	235	235	235	237
10	234	234	234	233	233	233	233	233	233	232	232	231	231	230	230	230	230	230	232
15	226	226	226	226	226	227	226	227	226	226	225	225	224	224	223	222	222	222	223
20	216	216	216	216	217	217	217	217	217	217	216	216	214	214	212	212	211	211	212
25	203	204	204	204	205	205	206	206	206	206	205	204	203	202	200	199	198	198	199
30	189	189	189	190	191	192	192	193	193	193	192	191	189	188	186	185	184	183	184
35	173	173	174	175	176	177	178	178	179	179	177	176	174	173	171	170	168	168	168
40	156	157	157	158	159	161	162	163	163	163	162	161	159	157	155	153	152	151	151
45	138	139	139	141	142	144	145	146	146	147	145	144	142	140	138	137	135	134	134
50	121	121	122	123	124	126	127	129	129	130	128	127	125	123	121	119	118	117	116
55	102	103	104	105	106	108	110	111	112	112	111	110	108	106	103	102	100	99.8	98.9
60	84.3	85.0	85.5	87.3	88.5	90.6	91.9	93.8	94.3	95.0	93.8	92.6	90.3	88.5	86.1	84.9	83.1	82.7	81.5
65	66.5	67.3	67.8	69.5	70.7	72.9	74.2	76.2	76.8	77.5	76.4	75.3	73.0	71.3	69.0	67.7	66.1	65.7	64.4
70	49.2	50.0	50.5	52.2	53.4	55.5	56.9	58.9	59.6	60.4	59.3	58.2	56.0	54.4	52.2	51.0	49.4	49.1	47.6
75	32.8	33.5	34.0	35.6	36.8	38.8	40.1	42.2	43.0	43.8	42.8	41.7	39.5	38.0	35.9	34.8	33.3	33.0	31.5
80	17.4	18.0	18.6	20.0	21.1	22.9	24.3	26.1	27.1	27.9	27.0	25.8	23.7	22.2	20.4	19.4	18.1	17.7	16.1
85	3.76	4.31	4.66	5.84	6.65	8.28	9.39	11.1	12.0	12.9	11.9	10.7	8.84	7.64	5.98	5.27	4.18	3.99	2.59
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.17	0.03	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	0.01	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.02
105	0.00	0.05	0.00	0.05	0.01	0.06	0.02	0.07	0.02	0.08	0.04	0.07	0.02	0.07	0.01	0.05	0.01	0.05	0.06
110	0.05	0.10	0.05	0.10	0.06	0.11	0.07	0.12	0.08	0.13	0.08	0.11	0.08	0.11	0.07	0.11	0.05	0.09	0.11
115	0.11	0.15	0.10	0.16	0.11	0.17	0.13	0.18	0.14	0.19	0.14	0.18	0.13	0.18	0.13	0.17	0.11	0.15	0.17
120	0.17	0.22	0.18	0.22	0.17	0.23	0.19	0.24	0.20	0.25	0.20	0.25	0.20	0.24	0.18	0.22	0.18	0.22	0.24
125	0.24	0.28	0.23	0.29	0.25	0.30	0.25	0.31	0.26	0.31	0.27	0.32	0.25	0.31	0.25	0.29	0.25	0.28	0.30
130	0.30	0.34	0.30	0.35	0.30	0.36	0.33	0.37	0.33	0.38	0.33	0.38	0.33	0.37	0.32	0.35	0.30	0.34	0.36
135	0.36	0.41	0.36	0.42	0.37	0.42	0.38	0.44	0.39	0.44	0.40	0.44	0.39	0.43	0.38	0.42	0.37	0.42	0.43
140	0.42	0.47	0.42	0.47	0.43	0.49	0.45	0.49	0.45	0.50	0.46	0.50	0.45	0.50	0.44	0.48	0.43	0.47	0.50
145	0.49	0.54	0.49	0.54	0.49	0.54	0.50	0.56	0.51	0.56	0.52	0.56	0.51	0.55	0.50	0.55	0.49	0.54	0.55
150	0.55	0.59	0.55	0.59	0.55	0.60	0.56	0.61	0.57	0.61	0.57	0.61	0.57	0.61	0.56	0.60	0.55	0.59	0.61
155	0.60	0.65	0.60	0.65	0.60	0.65	0.61	0.66	0.61	0.67	0.62	0.66	0.61	0.66	0.61	0.65	0.61	0.66	0.67
160	0.66	0.70	0.66	0.70	0.66	0.70	0.66	0.71	0.67	0.71	0.66	0.70	0.66	0.70	0.66	0.71	0.66	0.70	0.72
165	0.70	0.76	0.70	0.74	0.70	0.75	0.71	0.75	0.71	0.75	0.71	0.75	0.70	0.76	0.70	0.76	0.70	0.75	0.76
170	0.75	0.79	0.74	0.79	0.75	0.79	0.74	0.78	0.74	0.78	0.75	0.78	0.75	0.78	0.74	0.78	0.74	0.77	0.79
175	0.78	0.80	0.77	0.79	0.76	0.80	0.76	0.78	0.76	0.78	0.76	0.79	0.76	0.78	0.76	0.79	0.76	0.78	0.80
180	0.79	0.81	0.80	0.80	0.79	0.80	0.78	0.79	0.78	0.79	0.78	0.79	0.78	0.78	0.78	0.79	0.79	0.79	0.80

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

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: Linear20-s-3000k-90RA-8w	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	239	239	239	238	238	238	238	238	238	237	237	237	237	237	237	237	237		
5	237	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236		
10	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231		
15	222	222	222	222	223	223	223	224	224	224	224	224	224	224	223	223	223		
20	211	211	211	212	212	213	213	214	214	215	215	215	214	214	213	213	213		
25	198	198	198	199	200	201	202	203	203	203	203	203	202	202	201	201	200		
30	183	183	184	185	186	187	188	189	189	190	189	189	188	188	187	186	186		
35	167	168	168	169	170	172	173	174	175	175	175	174	173	172	171	170	170		
40	150	151	151	153	154	156	157	158	159	159	159	158	157	156	154	154	153		
45	133	134	134	136	137	139	140	142	142	143	142	141	140	139	137	136	136		
50	116	117	117	119	120	122	123	125	125	125	124	124	122	121	119	119	118		
55	98.4	99.1	99.5	101	102	104	106	107	108	108	107	106	104	103	101	101	99.7		
60	81.0	81.7	82.1	83.7	84.9	87.0	88.2	89.9	90.2	90.4	89.2	88.3	86.3	85.3	83.5	82.9	81.8		
65	63.9	64.5	64.9	66.4	67.6	69.6	70.9	72.5	72.9	72.9	71.6	70.6	68.8	67.6	65.9	65.3	64.3		
70	47.1	47.8	48.1	49.6	50.7	52.7	53.9	55.5	55.8	55.8	54.5	53.4	51.5	50.4	48.7	48.2	47.2		
75	31.0	31.6	31.9	33.2	34.3	36.2	37.4	39.1	39.4	39.3	37.9	36.8	35.0	34.0	32.4	31.9	31.0		
80	15.7	16.3	16.5	17.7	18.7	20.5	21.7	23.3	23.7	23.6	22.2	21.1	19.4	18.4	17.1	16.6	15.8		
85	2.29	2.70	2.82	3.77	4.42	5.96	6.92	8.60	8.98	8.87	7.42	6.62	5.14	4.51	3.42	3.18	2.59		
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	0.02	0.00	0.02	0.00	0.03	0.00	0.05	0.00	0.04	0.00	0.03	0.00	0.02	0.00	0.01	0.00		
105	0.01	0.06	0.01	0.07	0.02	0.08	0.05	0.09	0.05	0.09	0.03	0.08	0.03	0.07	0.01	0.05	0.01		
110	0.06	0.11	0.08	0.12	0.09	0.13	0.09	0.14	0.10	0.14	0.09	0.13	0.08	0.12	0.07	0.11	0.06		
115	0.12	0.17	0.13	0.18	0.15	0.19	0.16	0.20	0.16	0.20	0.15	0.18	0.14	0.17	0.13	0.16	0.12		
120	0.19	0.24	0.19	0.25	0.20	0.26	0.22	0.27	0.23	0.27	0.21	0.25	0.20	0.24	0.18	0.21	0.17		
125	0.25	0.31	0.26	0.32	0.27	0.33	0.28	0.33	0.28	0.33	0.27	0.31	0.26	0.30	0.25	0.29	0.24		
130	0.32	0.37	0.32	0.38	0.34	0.39	0.34	0.40	0.36	0.39	0.33	0.38	0.33	0.36	0.31	0.35	0.31		
135	0.38	0.43	0.39	0.44	0.39	0.45	0.41	0.46	0.42	0.45	0.40	0.44	0.39	0.42	0.37	0.41	0.36		
140	0.45	0.49	0.45	0.50	0.46	0.51	0.47	0.51	0.48	0.51	0.47	0.50	0.45	0.49	0.43	0.48	0.42		
145	0.50	0.56	0.51	0.56	0.51	0.57	0.52	0.58	0.52	0.57	0.52	0.56	0.50	0.55	0.50	0.54	0.49		
150	0.56	0.61	0.57	0.62	0.58	0.62	0.58	0.63	0.59	0.63	0.57	0.61	0.56	0.60	0.55	0.59	0.55		
155	0.61	0.67	0.61	0.67	0.63	0.67	0.63	0.68	0.63	0.67	0.62	0.67	0.62	0.66	0.60	0.65	0.60		
160	0.67	0.72	0.67	0.71	0.67	0.72	0.67	0.72	0.67	0.72	0.67	0.71	0.66	0.71	0.65	0.70	0.65		
165	0.71	0.76	0.71	0.76	0.71	0.76	0.71	0.76	0.71	0.76	0.71	0.75	0.71	0.75	0.71	0.75	0.70		
170	0.75	0.79	0.75	0.79	0.75	0.78	0.75	0.78	0.75	0.78	0.75	0.78	0.74	0.78	0.74	0.78	0.74		
175	0.77	0.80	0.77	0.80	0.77	0.79	0.77	0.79	0.77	0.79	0.76	0.78	0.76	0.78	0.76	0.78	0.76		
180	0.80	0.80	0.80	0.80	0.79	0.79	0.78	0.79	0.78	0.79	0.78	0.78	0.79	0.79	0.78	0.78	0.78		

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

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: