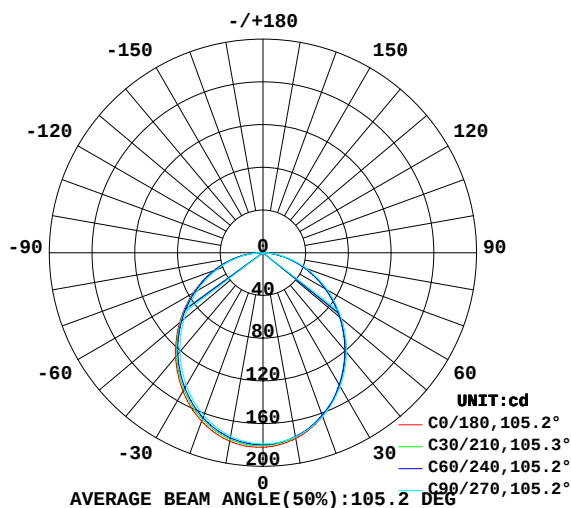


LUMINAIRE PHOTOMETRIC TEST REPORT

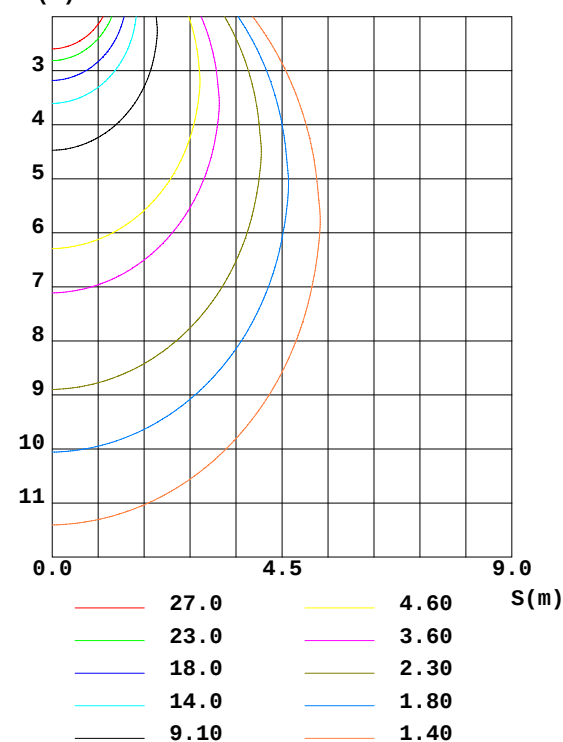
NAME:CL-Linear16-D9 3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.68 lm/W			
MODEL		I _{max} (cd)	182.2	S/MH(C0/180)	1.18
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	481.05	η UP, DN(C0-180)	0.2, 49.8
NOMINAL FLUX(lm)	481.054	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.9
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:0
Test Date:2022-04-18

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	176.6	175.0	175.1	175.7	179.2	176.7	174.5	172.6	0- 10	16.93	16.93	3.52, 3.52
20	163.0	161.9	163.1	164.9	167.9	165.1	162.1	158.9	10- 20	47.91	64.84	13.5, 13.5
30	143.3	142.6	144.5	147.2	149.8	147.1	143.5	139.4	20- 30	71.07	135.9	28.3, 28.3
40	120.4	119.2	121.5	124.8	127.1	124.8	121.0	116.3	30- 40	83.37	219.3	45.6, 45.6
50	94.05	93.49	96.04	99.69	101.9	100.0	96.33	91.38	40- 50	84.19	303.5	63.1, 63.1
60	67.68	66.95	69.62	73.59	75.52	74.25	70.88	65.99	50- 60	74.60	378.1	78.6, 78.6
70	41.73	40.80	43.50	47.65	49.24	48.48	45.68	41.10	60- 70	56.88	434.9	90.4, 90.4
80	17.44	16.31	18.86	23.03	24.08	23.75	21.67	17.69	70- 80	34.12	469.1	97.5, 97.5
90	0.6000	0	0.3349	1.562	1.871	1.709	1.082	1.017	80- 90	10.36	479.4	99.7, 99.7
100	0.0241	0	0.1084	0.4791	0.2640	0	0.1751	0.3539	90-100	0.4244	479.9	99.8, 99.8
110	0.0283	0.0518	0.0661	0.1936	0.0661	0.0307	0.0189	0.0661	100-110	0.1082	480.0	99.8, 99.8
120	0.1273	0.1509	0.1511	0.1289	0.1464	0.1274	0.1085	0.1439	110-120	0.0926	480.1	99.8, 99.8
130	0.2217	0.2382	0.2502	0.2053	0.2502	0.2218	0.2122	0.2360	120-130	0.1602	480.2	99.8, 99.8
140	0.3160	0.3280	0.3398	0.2974	0.3399	0.3185	0.3019	0.3257	130-140	0.2107	480.4	99.9, 99.9
150	0.3917	0.4129	0.4201	0.3869	0.4249	0.4034	0.3869	0.4153	140-150	0.2272	480.7	99.9, 99.9
160	0.4624	0.4860	0.4956	0.4601	0.5051	0.4813	0.4577	0.4885	150-160	0.2039	480.9	100, 100
170	0.5284	0.5294	0.5337	0.5184	0.5517	0.5291	0.5143	0.5281	160-170	0.1427	481.0	100, 100
180	0.5569	0.5474	0.5427	0.5403	0.5616	0.5474	0.5427	0.5427	170-180	0.0510	481.1	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

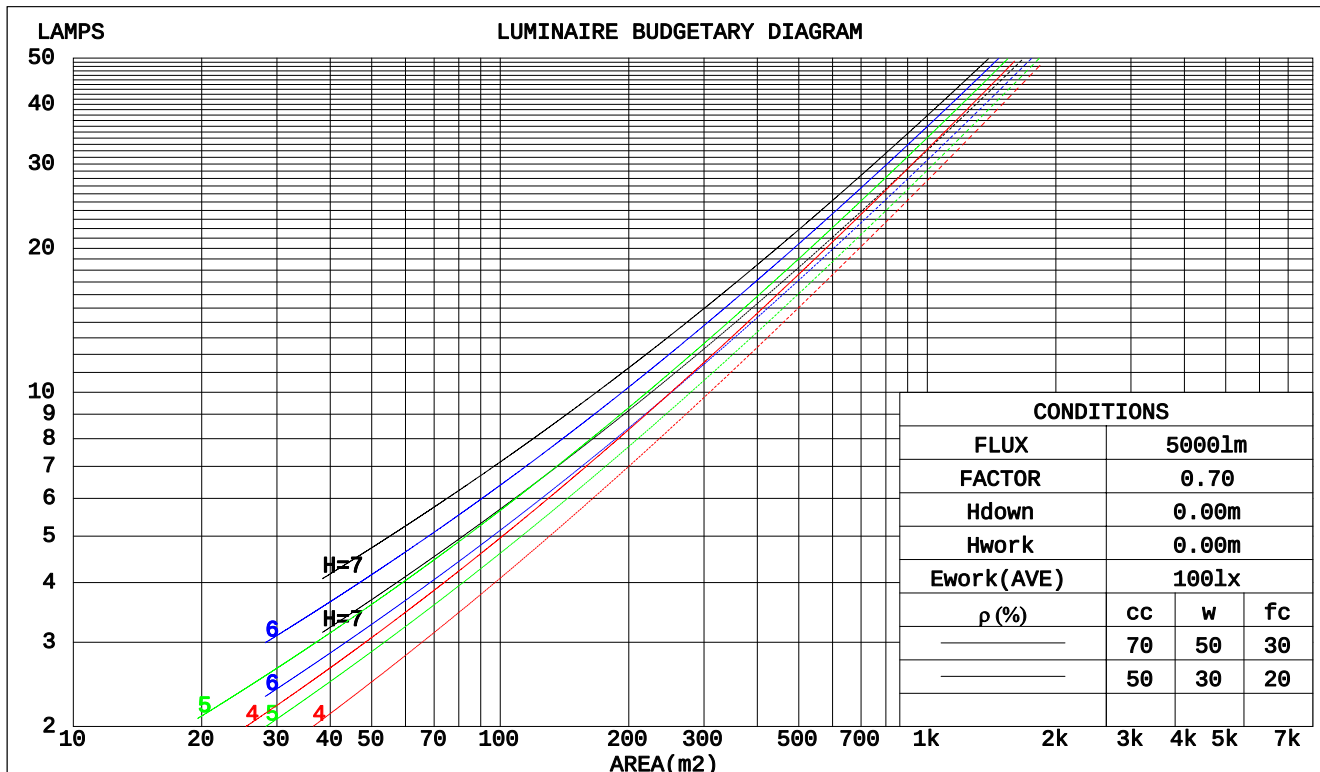
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-18

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: Linear16-D9-3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	.99	.96	1.01	.98	.94	.97	.94	.91	.93	.91	.88	.89	.87	.85	.83
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.69	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.54	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.42	.56	.47	.41	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.42	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.38	.31	.27	.37	.31	.26	.25



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-04-18

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: Linear16-D9-3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	.310	.177	.056	.303	.173	.055	.290	.166	.053	.277	.160	.051	.266	.154	.050		
2.0	.291	.159	.049	.284	.157	.048	.272	.152	.047	.262	.147	.046	.251	.142	.045		
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040		
4.0	.247	.129	.038	.243	.127	.038	.233	.124	.037	.225	.121	.036	.217	.118	.036		
5.0	.229	.117	.034	.224	.115	.034	.216	.112	.033	.208	.110	.033	.201	.107	.032		
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.187	.099	.029		
7.0	.197	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.175	.091	.027		
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025		
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023		
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.146	.074	.021		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.183	.159	.137	.157	.136	.118	.107	.094	.081	.062	.054	.047	.020	.017	.015		
2.0	.175	.135	.101	.150	.116	.087	.103	.080	.061	.059	.047	.036	.019	.015	.012		
3.0	.167	.117	.077	.143	.101	.067	.098	.070	.047	.057	.041	.028	.018	.013	.009		
4.0	.159	.104	.061	.136	.090	.053	.094	.062	.037	.054	.037	.022	.017	.012	.007		
5.0	.152	.093	.050	.130	.081	.044	.090	.056	.031	.052	.033	.018	.017	.011	.006		
6.0	.144	.085	.042	.124	.073	.037	.086	.051	.026	.050	.030	.015	.016	.010	.005		
7.0	.138	.078	.036	.118	.067	.031	.082	.047	.022	.047	.028	.013	.015	.009	.004		
8.0	.131	.072	.032	.113	.063	.027	.078	.044	.019	.045	.026	.012	.015	.008	.004		
9.0	.125	.067	.028	.108	.058	.024	.075	.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:0
Test Date:2022-04-18

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: Linear16-D9-3000K-RA90-7W						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	13.8	15.3	14.1	15.5	15.7	13.9	15.4	14.1	15.6	15.8					
3H	15.3	16.7	15.6	16.9	17.1	15.3	16.7	15.6	17.0	17.2					
4H	15.8	17.2	16.2	17.4	17.7	15.9	17.3	16.3	17.5	17.8					
6H	16.3	17.5	16.6	17.8	18.1	16.4	17.6	16.7	17.9	18.2					
8H	16.4	17.6	16.7	17.9	18.2	16.5	17.7	16.9	18.0	18.3					
12H	16.4	17.6	16.8	17.9	18.2	16.6	17.8	17.0	18.1	18.4					
4H 2H	14.4	15.7	14.7	16.0	16.2	14.4	15.7	14.7	16.0	16.3					
3H	16.0	17.2	16.4	17.5	17.8	16.1	17.2	16.4	17.5	17.8					
4H	16.7	17.8	17.1	18.1	18.4	16.8	17.9	17.2	18.2	18.5					
6H	17.2	18.2	17.6	18.5	18.9	17.4	18.3	17.8	18.7	19.0					
8H	17.4	18.3	17.8	18.7	19.1	17.5	18.4	18.0	18.8	19.2					
12H	17.5	18.3	17.9	18.7	19.1	17.6	18.5	18.1	18.8	19.3					
8H 4H	16.9	17.8	17.4	18.2	18.6	17.0	17.9	17.4	18.3	18.7					
6H	17.6	18.3	18.1	18.8	19.2	17.7	18.4	18.2	18.9	19.3					
8H	17.9	18.5	18.3	18.9	19.4	18.0	18.6	18.4	19.0	19.5					
12H	18.0	18.6	18.5	19.0	19.5	18.1	18.7	18.6	19.1	19.6					
12H 4H	17.0	17.8	17.4	18.2	18.6	17.0	17.8	17.5	18.2	18.6					
6H	17.7	18.3	18.1	18.7	19.2	17.8	18.4	18.2	18.8	19.3					
8H	17.9	18.5	18.4	18.9	19.4	18.0	18.6	18.5	19.0	19.5					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2									
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.3									
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3									

CIE Pub.117 Corrected 481.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.5)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-18

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: Linear16-D9-3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

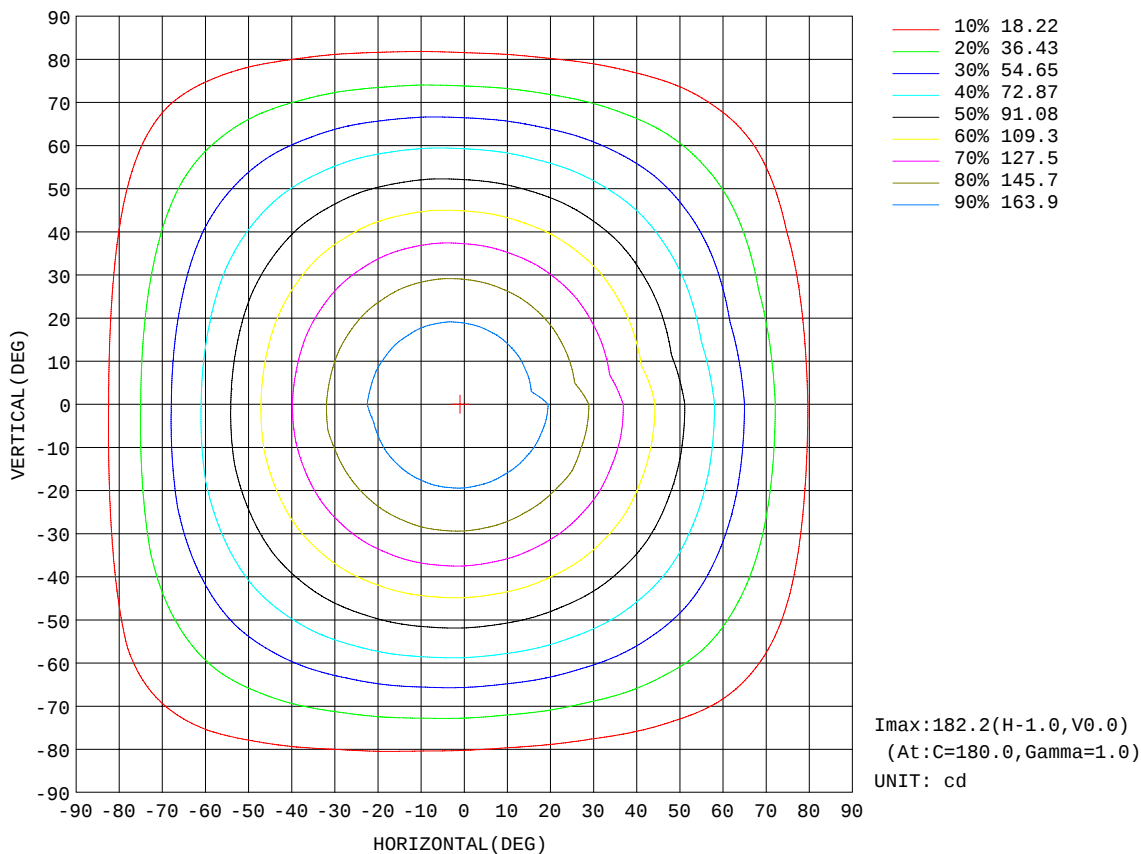
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	57	46	40	56	46	39	33
0.80	68	57	49	67	56	49	65	55	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	78	71	87	78	71	84	76	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-18

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: Linear16-D9-3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

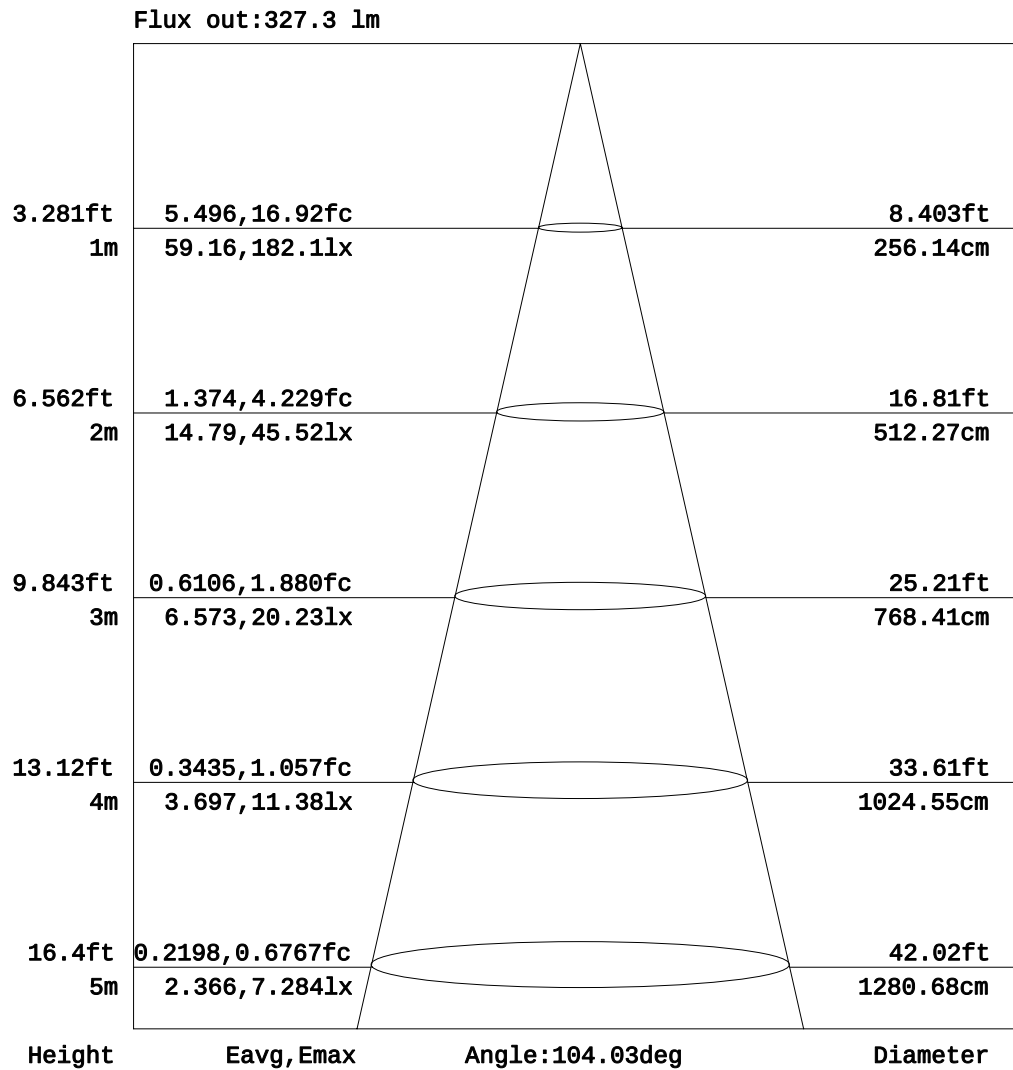


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:0
 Test Date:2022-04-18

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: Linear16-D9-3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



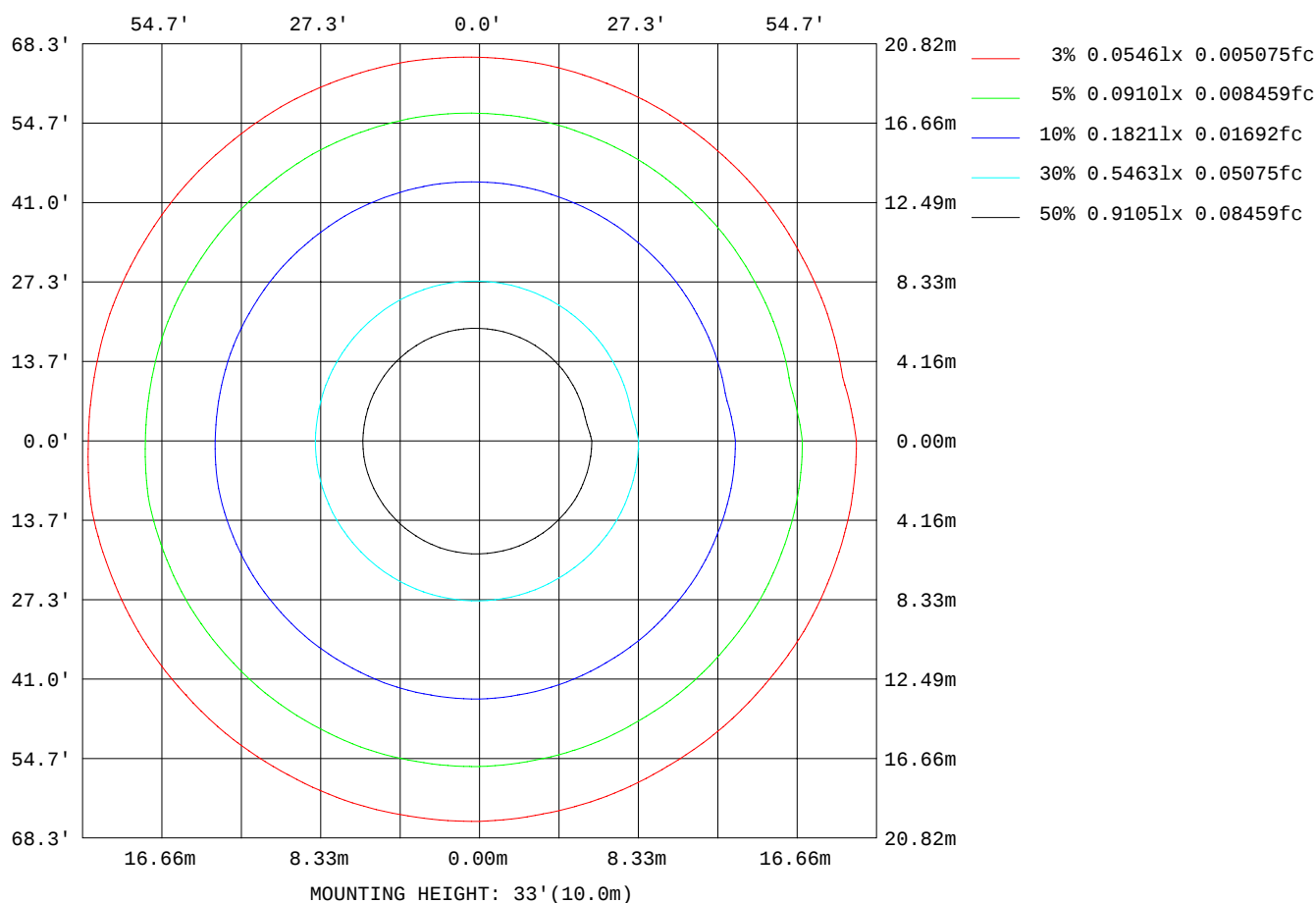
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-18

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: Linear16-D9-3000K-RA90-7W	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: 2022-04-18

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: Linear16-D9-3000K-RA90-7W	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	481.054	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	1410	1412	1404	1405	1397	1401	1402	1417	1426	1445	1455	1474	1485	1505	1518	1538	1549	1566	1547
60	1354	1355	1345	1346	1336	1342	1342	1360	1370	1392	1405	1427	1441	1464	1479	1503	1517	1537	1510
65	1291	1292	1281	1281	1268	1275	1276	1297	1309	1336	1351	1378	1394	1423	1441	1471	1487	1512	1474
70	1220	1221	1205	1205	1189	1197	1198	1223	1239	1272	1291	1325	1346	1381	1405	1442	1462	1493	1440
75	1132	1131	1109	1108	1087	1097	1099	1133	1152	1196	1220	1266	1293	1341	1372	1421	1446	1487	1409
80	1005	998	966	961	934	944	950	994	1026	1086	1125	1191	1234	1302	1350	1418	1459	1515	1387
85	716	695	635	618	570	588	601	681	745	860	941	1062	1149	1275	1369	1498	1576	1681	1413

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	1681	200	---	500
Category 2	65 to 90	1681	200	---	500
Category 3	75 to 90	1681	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:2022-04-18

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: Linear16-D9-3000K-RA90-7W	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	481.054	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	1410	1412	1404	1405	1397	1401	1402	1417	1426	1445	1455	1474	1485	1505	1518	1538	1549	1566	1547
60	1354	1355	1345	1346	1336	1342	1342	1360	1370	1392	1405	1427	1441	1464	1479	1503	1517	1537	1510
65	1291	1292	1281	1281	1268	1275	1276	1297	1309	1336	1351	1378	1394	1423	1441	1471	1487	1512	1474
70	1220	1221	1205	1205	1189	1197	1198	1223	1239	1272	1291	1325	1346	1381	1405	1442	1462	1493	1440
75	1132	1131	1109	1108	1087	1097	1099	1133	1152	1196	1220	1266	1293	1341	1372	1421	1446	1487	1409
80	1005	998	966	961	934	944	950	994	1026	1086	1125	1191	1234	1302	1350	1418	1459	1515	1387
85	716	695	635	618	570	588	601	681	745	860	941	1062	1149	1275	1369	1498	1576	1681	1413

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	1681	1000	1500	200	500
65 to 90	1681	1000	1500	200	500

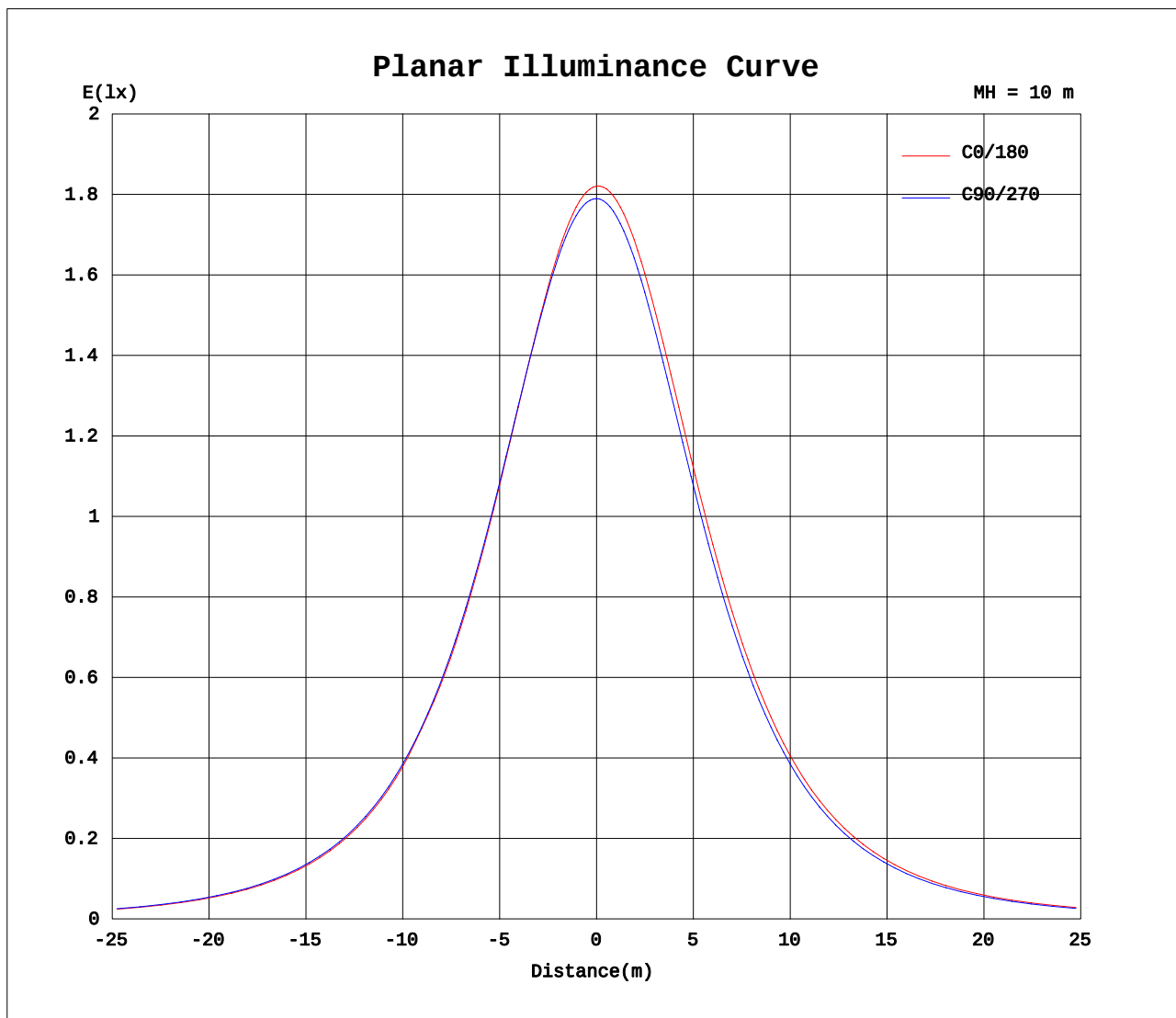
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-18

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: 0
Test Date: 2022-04-18

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: Linear16-D9-3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	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	182	182	181	181	180	180	180	179	179	179	179	179	179	178	178	178	178	178	182
5	180	180	179	179	179	179	178	178	178	178	178	178	178	178	178	178	178	178	182
10	177	176	176	175	175	175	175	175	175	175	175	175	175	176	176	176	176	176	179
15	171	170	170	170	169	169	169	169	170	170	170	171	171	171	171	172	172	172	174
20	163	163	162	162	162	162	162	162	163	163	163	164	164	165	165	166	166	166	168
25	154	154	153	153	153	154	154	154	154	154	155	156	156	157	157	158	158	158	160
30	143	143	143	143	143	143	143	143	144	144	145	146	146	147	147	148	149	149	150
35	132	133	132	132	131	131	131	132	133	133	134	135	135	136	137	137	138	139	139
40	120	120	119	119	119	119	119	120	121	122	122	123	124	124	125	126	126	127	127
45	107	107	107	107	106	107	107	107	108	109	110	111	111	112	113	114	114	115	115
50	94.1	94.2	93.7	93.8	93.4	93.6	93.7	94.5	95.0	96.0	96.6	97.7	98.3	99.3	100	101	102	103	102
55	80.9	81.0	80.5	80.6	80.1	80.4	80.4	81.3	81.8	82.9	83.5	84.6	85.2	86.3	87.1	88.2	88.9	89.8	88.8
60	67.7	67.7	67.3	67.3	66.8	67.1	67.1	68.0	68.5	69.6	70.3	71.4	72.0	73.2	74.0	75.2	75.8	76.8	75.5
65	54.6	54.6	54.1	54.1	53.6	53.9	53.9	54.8	55.3	56.4	57.1	58.2	58.9	60.1	60.9	62.2	62.8	63.9	62.3
70	41.7	41.7	41.2	41.2	40.7	40.9	41.0	41.8	42.4	43.5	44.2	45.3	46.0	47.2	48.1	49.3	50.0	51.0	49.2
75	29.3	29.3	28.7	28.7	28.1	28.4	28.4	29.3	29.8	30.9	31.6	32.8	33.5	34.7	35.5	36.8	37.4	38.5	36.5
80	17.4	17.3	16.8	16.7	16.2	16.4	16.5	17.3	17.8	18.9	19.5	20.7	21.4	22.6	23.4	24.6	25.3	26.3	24.1
85	6.24	6.06	5.53	5.38	4.97	5.12	5.24	5.93	6.50	7.49	8.20	9.26	10.0	11.1	11.9	13.1	13.7	14.7	12.3
90	0.60	0.37	0.23	0.01	0.00	0.00	0.00	0.05	0.24	0.33	0.51	0.60	0.83	1.32	1.80	2.60	3.11	3.86	1.87
95	0.27	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.22	0.38	0.43	0.57	0.58	0.66	0.63	0.66	0.58	0.44
100	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.26	0.30	0.43	0.43	0.52	0.47	0.50	0.40	0.26
105	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.01	0.03	0.15	0.18	0.29	0.30	0.38	0.33	0.35	0.25	0.13
110	0.03	0.07	0.03	0.07	0.03	0.07	0.02	0.06	0.02	0.07	0.06	0.08	0.16	0.16	0.23	0.18	0.21	0.12	0.07
115	0.08	0.12	0.07	0.12	0.08	0.11	0.07	0.11	0.07	0.11	0.06	0.10	0.08	0.10	0.11	0.10	0.09	0.08	0.10
120	0.13	0.17	0.12	0.17	0.13	0.17	0.12	0.16	0.11	0.15	0.10	0.15	0.09	0.14	0.12	0.13	0.09	0.13	0.15
125	0.17	0.22	0.18	0.21	0.17	0.21	0.16	0.21	0.16	0.20	0.15	0.19	0.14	0.18	0.13	0.18	0.14	0.18	0.20
130	0.22	0.27	0.22	0.25	0.22	0.25	0.21	0.25	0.21	0.25	0.20	0.24	0.18	0.23	0.18	0.22	0.17	0.22	0.25
135	0.27	0.31	0.27	0.30	0.26	0.30	0.25	0.29	0.25	0.29	0.25	0.29	0.24	0.28	0.23	0.27	0.23	0.27	0.29
140	0.32	0.35	0.31	0.36	0.31	0.35	0.29	0.34	0.29	0.34	0.29	0.34	0.28	0.32	0.27	0.32	0.27	0.32	0.34
145	0.36	0.40	0.35	0.40	0.35	0.40	0.34	0.39	0.34	0.38	0.33	0.37	0.33	0.36	0.32	0.36	0.32	0.35	0.38
150	0.39	0.44	0.39	0.44	0.40	0.43	0.39	0.43	0.38	0.42	0.37	0.42	0.37	0.41	0.36	0.41	0.36	0.41	0.42
155	0.43	0.48	0.44	0.48	0.43	0.47	0.42	0.47	0.42	0.46	0.41	0.46	0.41	0.44	0.40	0.45	0.40	0.45	0.48
160	0.46	0.51	0.47	0.51	0.46	0.51	0.45	0.50	0.45	0.50	0.45	0.49	0.44	0.48	0.44	0.49	0.43	0.49	0.51
165	0.50	0.54	0.50	0.54	0.49	0.53	0.49	0.53	0.48	0.52	0.49	0.52	0.47	0.52	0.47	0.52	0.47	0.51	0.53
170	0.53	0.55	0.52	0.55	0.51	0.54	0.51	0.54	0.50	0.53	0.50	0.54	0.50	0.53	0.50	0.53	0.50	0.54	0.55
175	0.54	0.56	0.54	0.55	0.53	0.55	0.53	0.55	0.53	0.54	0.53	0.54	0.52	0.54	0.52	0.54	0.52	0.54	0.56
180	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.56

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-04-18

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: Linear16-D9-3000K-RA90-7W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°) γ (°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	182	181	181	180	180	180	179	179	179	179	179	179	178	178	178	178	178		
5	181	181	180	180	179	179	179	178	178	178	177	177	177	176	176	176	176		
10	178	178	177	177	176	176	175	175	174	174	174	173	173	172	172	172	171		
15	174	173	173	172	172	171	170	170	169	169	168	167	167	166	166	166	165		
20	167	167	166	165	165	164	164	163	162	161	161	160	159	159	158	158	157		
25	159	158	158	157	156	156	155	154	153	153	152	151	150	149	149	148	148		
30	149	149	148	147	147	146	145	145	144	143	142	141	140	139	138	138	137		
35	138	138	137	137	136	136	135	134	133	132	130	130	129	128	127	126	126		
40	127	126	126	125	124	124	123	122	121	120	119	118	117	116	115	114	114		
45	114	114	113	113	112	112	111	110	109	108	106	106	104	104	103	102	101		
50	101	101	101	100	99.7	99.5	98.5	97.7	96.3	95.4	94.0	93.0	91.8	91.0	89.9	89.4	88.7		
55	88.3	88.4	87.7	87.6	86.8	86.7	85.7	85.0	83.6	82.7	81.3	80.4	79.1	78.3	77.1	76.6	76.1		
60	75.1	75.3	74.7	74.6	73.9	73.8	72.9	72.2	70.9	70.0	68.6	67.7	66.4	65.6	64.4	63.9	63.0		
65	62.0	62.1	61.7	61.6	61.0	60.9	60.1	59.5	58.2	57.3	56.0	55.1	53.9	53.0	51.8	51.2	50.4		
70	49.0	49.2	48.9	48.7	48.2	48.2	47.4	46.9	45.7	44.9	43.6	42.8	41.5	40.7	39.5	38.9	38.0		
75	36.2	36.5	36.1	36.1	35.7	35.7	35.0	34.6	33.5	32.7	31.5	30.8	29.5	28.7	27.6	27.0	26.0		
80	23.9	24.2	23.9	23.9	23.6	23.6	23.0	22.6	21.7	21.0	19.9	19.2	18.1	17.3	16.2	15.5	14.6		
85	12.2	12.5	12.2	12.4	12.0	12.1	11.6	11.3	10.5	9.93	8.96	8.31	7.29	6.57	5.51	4.91	3.98		
90	1.75	1.96	1.74	1.84	1.57	1.75	1.47	1.39	1.08	1.01	1.01	1.00	1.05	0.98	0.96	0.81	0.73		
95	0.39	0.24	0.16	0.00	0.02	0.03	0.22	0.30	0.46	0.52	0.65	0.65	0.70	0.64	0.61	0.48	0.40		
100	0.21	0.06	0.00	0.00	0.00	0.00	0.00	0.02	0.18	0.23	0.34	0.34	0.39	0.32	0.31	0.18	0.13		
105	0.08	0.01	0.00	0.01	0.00	0.02	0.00	0.01	0.02	0.03	0.09	0.08	0.13	0.07	0.09	0.04	0.03		
110	0.04	0.05	0.01	0.05	0.01	0.06	0.01	0.06	0.02	0.07	0.05	0.08	0.06	0.07	0.06	0.08	0.04		
115	0.05	0.10	0.05	0.10	0.05	0.10	0.05	0.10	0.06	0.11	0.07	0.12	0.07	0.12	0.08	0.13	0.08		
120	0.10	0.15	0.11	0.15	0.10	0.15	0.11	0.16	0.11	0.15	0.12	0.16	0.11	0.17	0.12	0.17	0.13		
125	0.15	0.20	0.16	0.20	0.15	0.20	0.15	0.20	0.16	0.21	0.17	0.21	0.17	0.22	0.17	0.22	0.17		
130	0.20	0.24	0.20	0.25	0.20	0.25	0.20	0.25	0.21	0.25	0.21	0.26	0.21	0.26	0.22	0.26	0.22		
135	0.25	0.29	0.25	0.29	0.25	0.29	0.25	0.29	0.26	0.30	0.26	0.31	0.26	0.31	0.27	0.32	0.26		
140	0.29	0.34	0.29	0.34	0.30	0.34	0.30	0.34	0.30	0.34	0.30	0.35	0.30	0.35	0.32	0.36	0.31		
145	0.34	0.39	0.34	0.38	0.34	0.39	0.34	0.38	0.34	0.39	0.34	0.39	0.35	0.40	0.35	0.40	0.35		
150	0.38	0.43	0.39	0.42	0.39	0.43	0.38	0.42	0.39	0.43	0.39	0.43	0.40	0.43	0.39	0.43	0.39		
155	0.42	0.47	0.42	0.47	0.42	0.46	0.42	0.47	0.42	0.47	0.43	0.47	0.43	0.48	0.44	0.48	0.43		
160	0.45	0.51	0.46	0.51	0.46	0.51	0.45	0.50	0.46	0.51	0.46	0.50	0.47	0.51	0.46	0.51	0.46		
165	0.49	0.53	0.49	0.53	0.49	0.53	0.49	0.53	0.50	0.54	0.49	0.53	0.50	0.53	0.49	0.53	0.49		
170	0.51	0.55	0.51	0.55	0.51	0.54	0.51	0.54	0.51	0.54	0.52	0.54	0.52	0.54	0.51	0.54	0.51		
175	0.54	0.55	0.54	0.55	0.53	0.55	0.53	0.54	0.53	0.54	0.53	0.54	0.53	0.54	0.53	0.54	0.53		
180	0.55	0.56	0.55	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.56		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
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Operators:0
Test Date:2022-04-18

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]
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