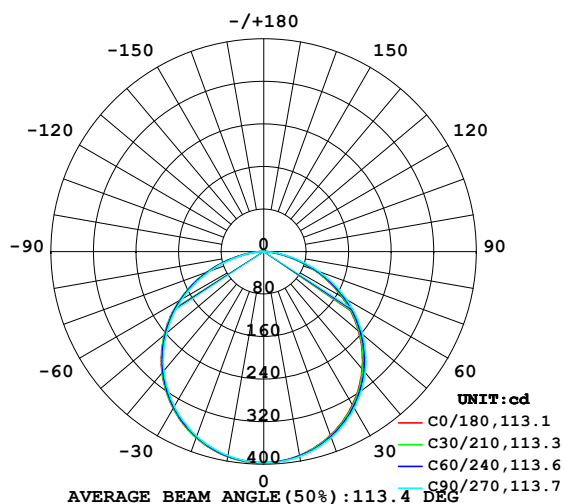


LUMINAIRE PHOTOMETRIC TEST REPORT

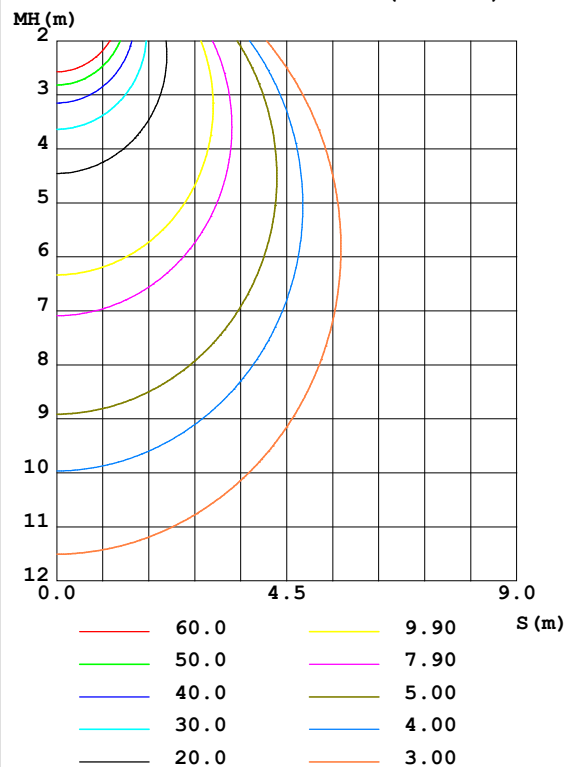
Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.39 lm/W			
MODEL		Imax(cd)	397.3	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	1137.7	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	1137.72	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:SENPU
 Test Date:2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

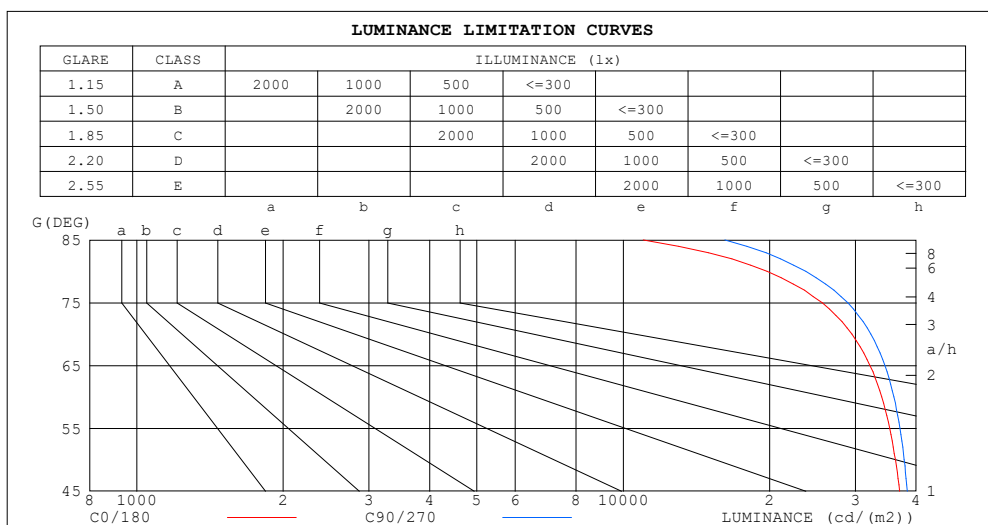
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	389.0	389.9	391.1	392.0	391.5	390.5	389.6	388.1	0- 10	37.58	37.58	3.3,3.3
20	367.3	369.5	371.9	373.9	372.4	370.7	369.1	366.0	10- 20	107.8	145.4	12.8,12.8
30	333.3	336.5	340.2	342.9	340.6	338.6	336.2	332.0	20- 30	163.8	309.2	27.2,27.2
40	288.0	292.2	297.0	300.5	297.5	295.2	292.3	286.6	30- 40	198.3	507.4	44.6,44.6
50	233.0	237.6	243.0	247.6	244.4	241.7	238.4	231.8	40- 50	206.6	714.0	62.8,62.8
60	170.0	174.3	180.1	185.5	182.5	180.0	175.9	168.4	50- 60	186.9	900.9	79.2,79.2
70	101.0	104.7	110.4	116.8	114.3	111.5	107.2	99.69	60- 70	141.5	1042	91.6,91.6
80	34.29	36.81	41.23	47.39	45.53	43.72	39.53	33.48	70- 80	77.53	1120	98.4,98.4
90	0.5416	0.5179	0.3984	1.480	0.8658	0.8457	0.1803	0.5417	80- 90	17.38	1137	100,100
100	0.4882	0.3380	0.3380	0.3079	0.3004	0.2178	0.2178	0.2178	90-100	0.4197	1138	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0162	1138	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1138	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1138	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1138	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1138	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1138	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1138	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1138	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:SENPU
 Test Date:2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



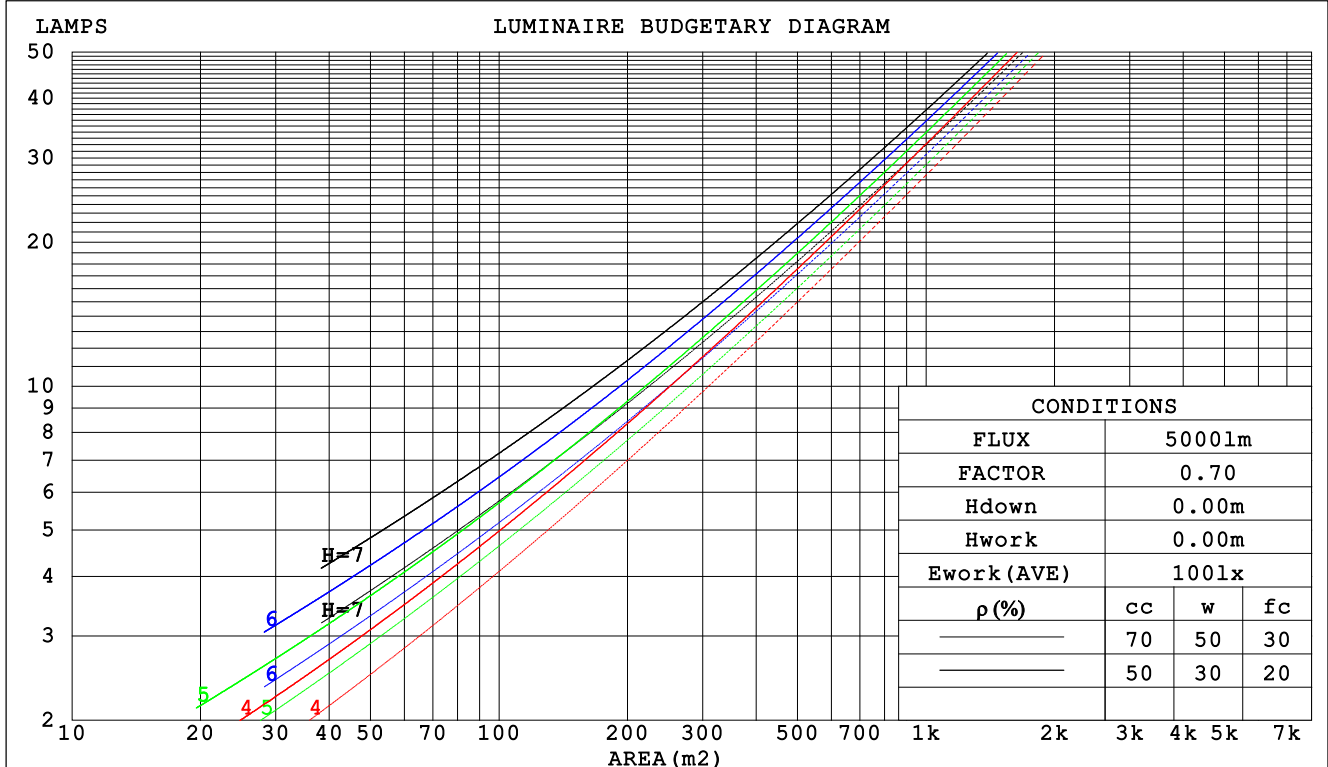
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: SENPU
Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding 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	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.54	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm								
NAME: 12-120-22				TYPE:			WEIGHT:	
SPEC.:				DIM.:			SERIAL No.:	
MFR.:				SUR.:			Shielding Angle:	

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.306	.174	.055	.299	.170	.054	.285	.164	.052	.273	.158	.051	.262	.152	.049		
2.0	.290	.159	.049	.283	.156	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045		
3.0	.269	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.235	.130	.040		
4.0	.249	.129	.038	.244	.128	.038	.235	.124	.037	.226	.121	.037	.218	.118	.036		
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.108	.033		
6.0	.213	.107	.031	.210	.106	.030	.202	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025		
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.161	.081	.023	.157	.079	.023		
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	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	.156	.135	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015		
2.0	.172	.132	.099	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011		
3.0	.165	.115	.075	.141	.099	.065	.097	.069	.045	.056	.040	.027	.018	.013	.009		
4.0	.157	.101	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007		
5.0	.150	.091	.048	.128	.079	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006		
6.0	.142	.083	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.136	.076	.034	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004		
8.0	.129	.070	.029	.111	.061	.025	.077	.043	.018	.045	.025	.011	.014	.008	.004		
9.0	.123	.065	.025	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003		
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm											
NAME: 12-120-22					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.:			Shielding 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	25.2	26.7	25.5	26.9	27.2	25.4	27.0	25.7	27.2	27.4	
	3H	26.6	28.0	26.9	28.3	28.5	26.9	28.3	27.2	28.6	28.8
	4H	27.1	28.5	27.4	28.7	29.0	27.5	28.8	27.8	29.1	29.3
	6H	27.4	28.7	27.7	28.9	29.2	27.9	29.1	28.2	29.4	29.7
	8H	27.5	28.7	27.8	29.0	29.2	27.9	29.1	28.3	29.4	29.7
	12H	27.5	28.6	27.8	28.9	29.2	28.0	29.1	28.3	29.4	29.7
4H	2H	25.8	27.2	26.1	27.4	27.7	26.0	27.3	26.3	27.6	27.9
	3H	27.4	28.6	27.8	28.9	29.2	27.7	28.8	28.0	29.1	29.4
	4H	28.0	29.1	28.4	29.4	29.7	28.3	29.4	28.7	29.7	30.1
	6H	28.4	29.3	28.8	29.7	30.1	28.8	29.7	29.2	30.1	30.5
	8H	28.5	29.4	28.9	29.7	30.1	28.9	29.8	29.3	30.2	30.6
	12H	28.5	29.3	28.9	29.7	30.1	29.0	29.8	29.4	30.2	30.6
8H	4H	28.2	29.1	28.7	29.5	29.9	28.5	29.4	29.0	29.8	30.2
	6H	28.7	29.5	29.2	29.9	30.3	29.1	29.8	29.5	30.2	30.7
	8H	28.9	29.5	29.3	29.9	30.4	29.3	29.9	29.7	30.4	30.8
	12H	28.9	29.5	29.4	29.9	30.4	29.4	29.9	29.9	30.4	30.9
12H	4H	28.2	29.1	28.7	29.4	29.8	28.5	29.3	29.0	29.7	30.1
	6H	28.8	29.4	29.2	29.8	30.3	29.1	29.8	29.6	30.2	30.6
	8H	28.9	29.5	29.4	29.9	30.4	29.3	29.9	29.8	30.3	30.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 1138 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.4$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

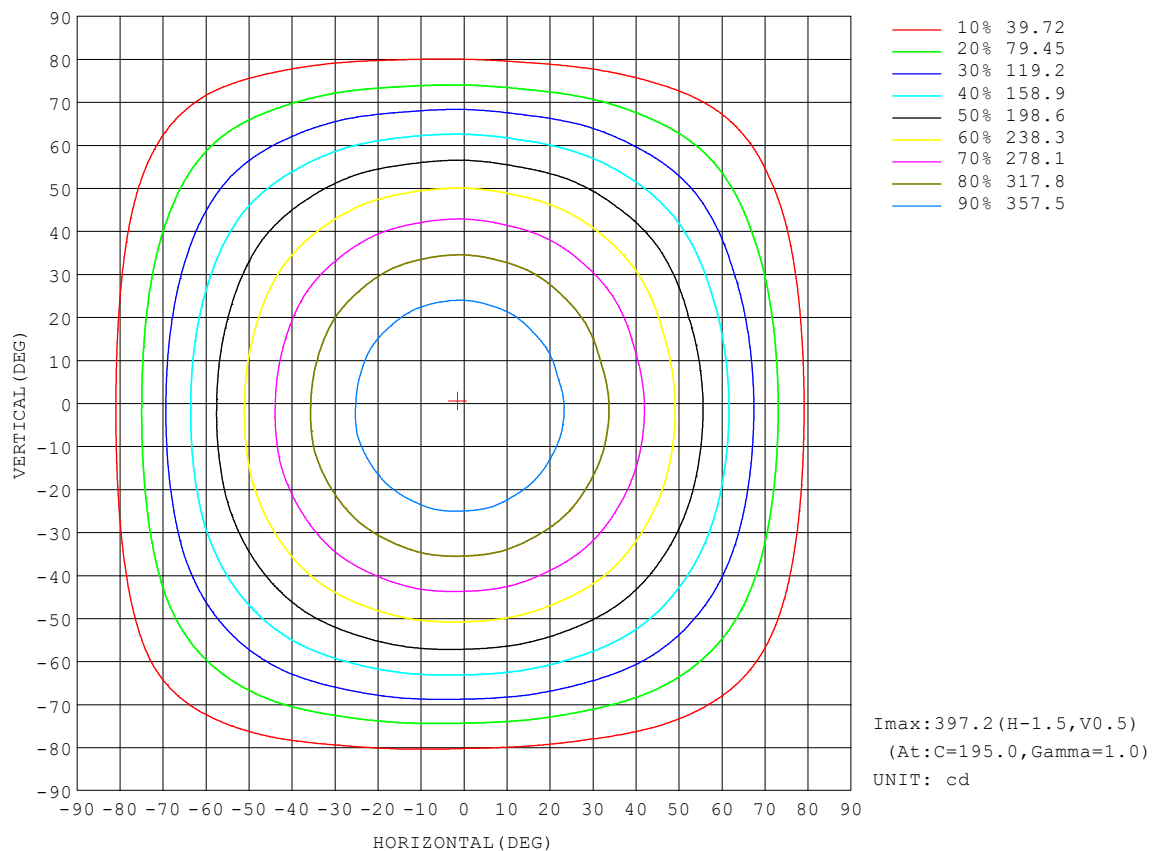
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	55	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	87	77	71	84	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	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: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

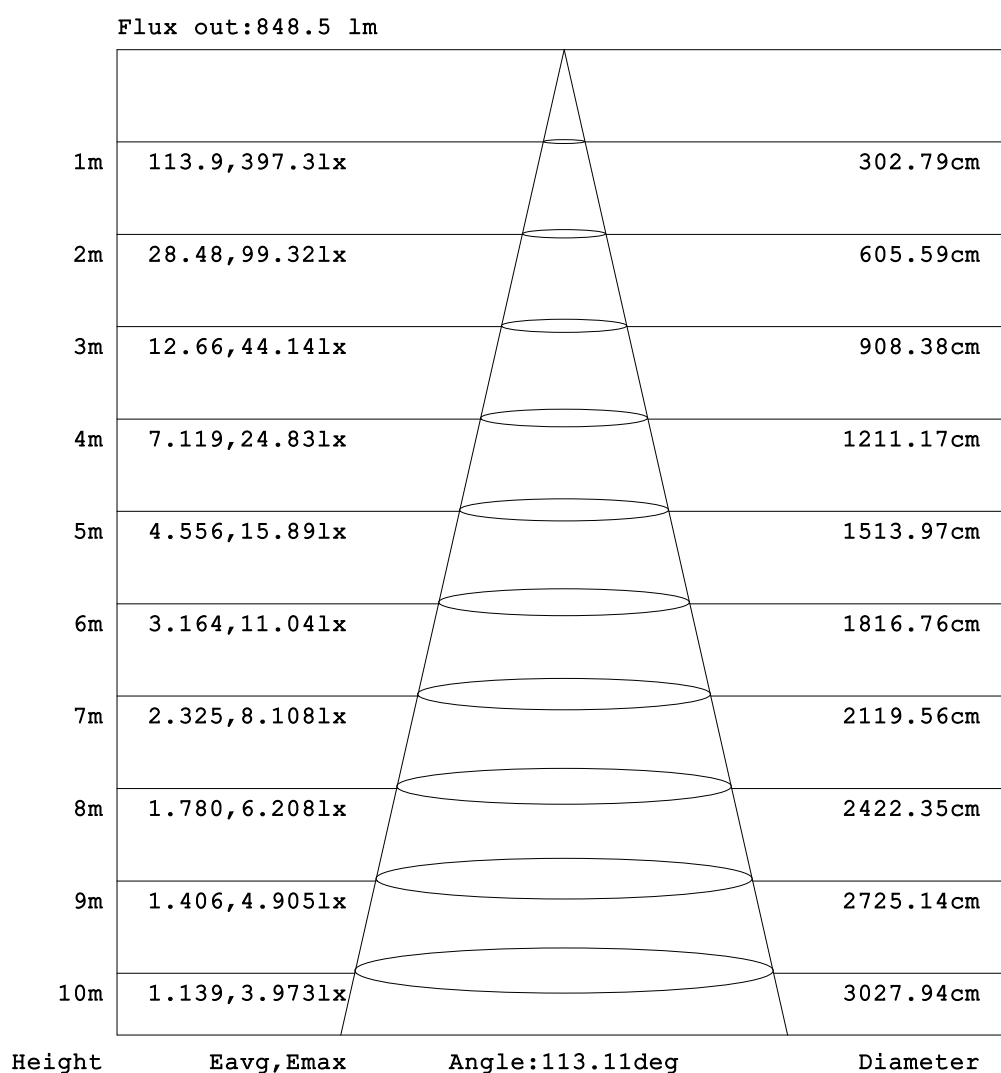


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:SENPU
Test Date:2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



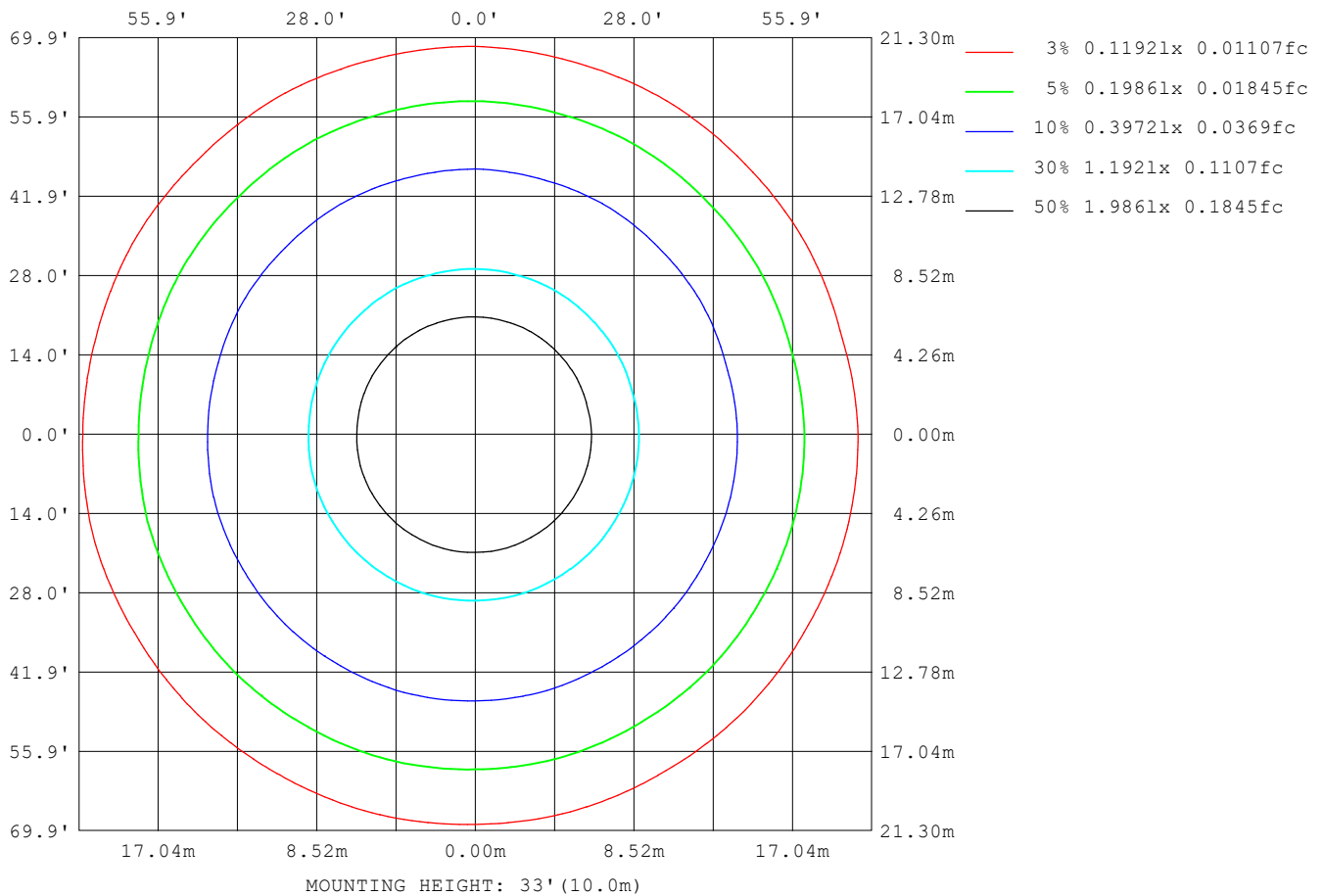
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:SENPU
 Test Date:2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

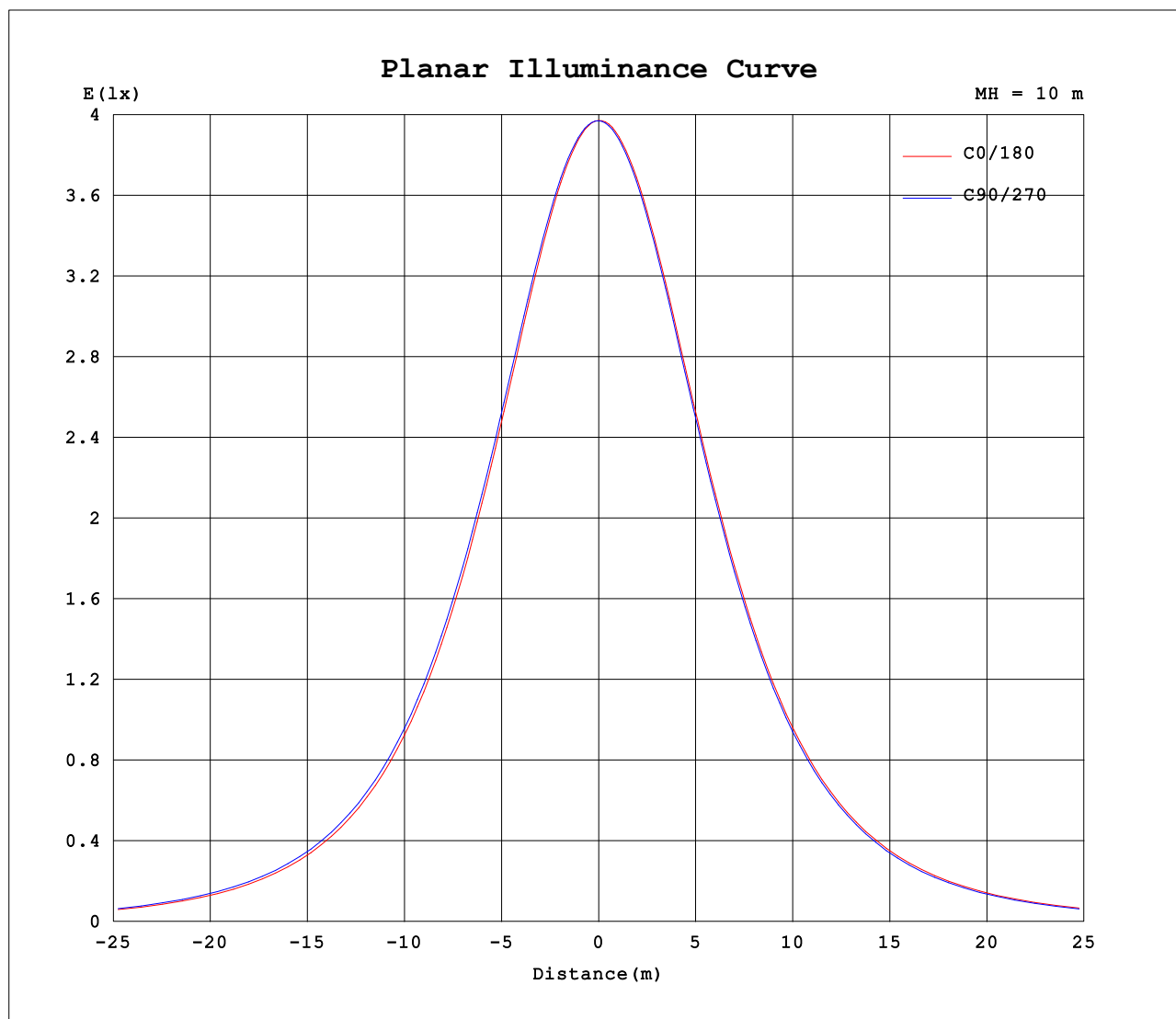
AvgL	cd/m2
L_0~180 (65) av	33698
L_0~180 (75) av	28102
L_0~180 (85) av	15446
L_90~270 (65) av	34078
L_90~270 (75) av	28451
L_90~270 (85) av	15713
L_45 (65) av	33815
L_45 (75) av	28301
L_45 (85) av	15917

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:SENPU
 Test Date:2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: SENPU
Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	397	397	397	397	397	397	397	397	397	397	397	397	397	397	397	397	397	397	397
5	395	395	395	395	395	396	396	396	396	396	396	396	396	396	396	395	395	395	395
10	389	390	390	390	390	391	391	392	392	392	392	392	392	391	391	390	390	390	390
15	380	380	381	381	382	383	383	384	384	385	384	385	384	383	383	382	382	381	381
20	367	368	368	370	370	372	372	373	373	374	374	374	372	372	372	371	371	369	369
25	352	353	353	355	355	357	358	359	359	360	360	360	358	357	358	356	356	355	354
30	333	334	335	336	337	340	340	342	342	343	343	343	341	340	340	339	338	337	336
35	312	313	314	316	317	319	320	322	322	323	323	323	321	320	320	318	318	316	316
40	288	290	290	292	293	296	297	299	299	300	300	301	297	297	297	295	295	293	292
45	262	263	264	266	267	270	271	274	274	275	275	276	272	271	272	270	270	267	267
50	233	235	235	238	239	242	243	246	246	248	247	248	244	243	244	242	242	239	238
55	202	204	204	207	208	211	212	215	216	218	217	218	214	213	214	211	212	208	208
60	170	171	172	174	175	179	180	183	183	186	185	187	183	181	182	180	180	177	176
65	136	137	137	140	141	145	146	149	150	152	152	153	149	147	149	145	146	143	142
70	101	102	102	105	106	109	110	114	114	117	117	118	114	113	114	112	111	108	107
75	66.3	67.4	67.3	69.6	70.6	73.7	74.9	77.9	79.0	81.4	81.6	83.2	79.1	77.8	78.8	76.7	76.3	73.5	72.4
80	34.3	35.1	34.9	36.8	37.5	40.0	41.2	43.9	45.0	47.4	47.8	49.2	45.5	45.0	45.3	43.7	43.1	40.7	39.5
85	9.59	9.92	10.0	11.1	11.8	13.4	14.1	16.2	17.1	18.7	19.0	20.1	17.3	16.9	17.3	16.2	15.9	14.2	13.3
90	0.54	0.56	0.59	0.52	0.60	0.45	0.40	0.76	1.11	1.48	1.57	1.80	0.87	0.86	0.97	0.85	0.78	0.55	0.18
95	0.56	0.50	0.56	0.47	0.45	0.42	0.32	0.32	0.44	0.52	0.52	0.52	0.32	0.36	0.34	0.35	0.23	0.19	0.20
100	0.49	0.35	0.32	0.34	0.45	0.31	0.34	0.31	0.42	0.31	0.35	0.41	0.30	0.29	0.25	0.22	0.23	0.21	0.22
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	0.00	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
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
180	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

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:SENPU
Test Date:2021-07-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:1.3280A P:15.936W PF:1.0000 Freq:0Hz Lamp Flux:1137.72x1 lm		
NAME: 12-120-22	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ \ C (DEG)	285	300	315	330	345														
0	397	397	397	397	397														
5	395	395	394	394	394														
10	389	389	388	388	388														
15	380	380	379	379	378														
20	368	368	366	366	365														
25	353	352	351	351	349														
30	335	334	332	332	331														
35	314	313	311	311	309														
40	290	289	287	286	285														
45	264	263	260	260	258														
50	236	235	232	232	229														
55	204	204	201	201	198														
60	173	172	168	168	166														
65	138	138	134	134	131														
70	104	103	99.7	99.3	96.9														
75	69.1	68.2	65.3	64.7	62.0														
80	37.0	35.9	33.5	32.9	30.8														
85	11.6	11.0	9.47	8.89	7.56														
90	0.44	0.46	0.54	0.45	0.45														
95	0.20	0.20	0.32	0.33	0.39														
100	0.22	0.23	0.22	0.23	0.24														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks: