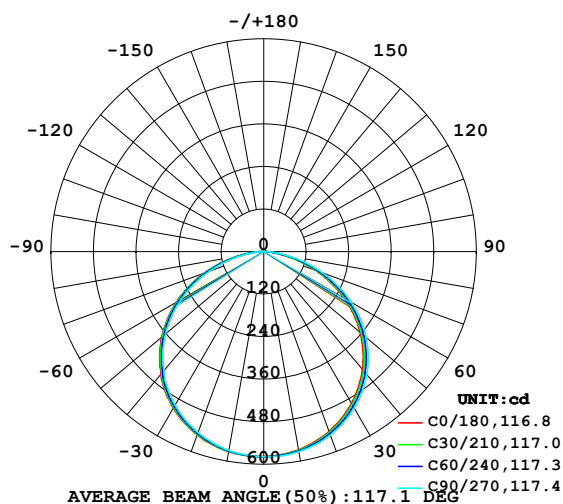


LUMINAIRE PHOTOMETRIC TEST REPORT

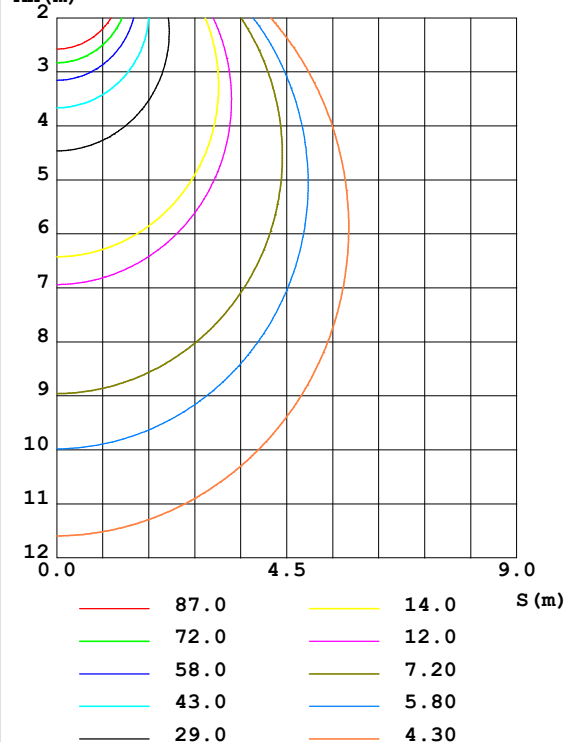
Test:U:12.000V I:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.93 lm/W			
MODEL		I _{max} (cd)	579.4	S/MH (C0/180)	1.31
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	1728.5	η UP, DN (C0-180)	0.0, 50.7
NOMINAL FLUX (lm)	1728.46	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.3
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: 2021-07-20

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:

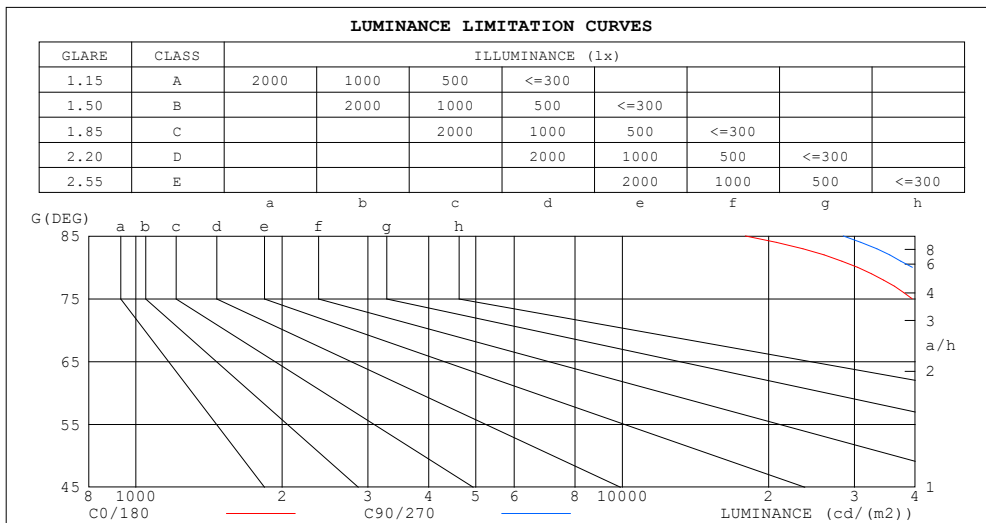
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	567.5	570.2	573.0	574.9	572.7	571.2	569.3	567.2	0- 10	54.87	54.87	3.17,3.17
20	539.7	544.9	550.3	553.9	549.9	546.9	543.1	538.5	10- 20	158.3	213.2	12.3,12.3
30	495.1	502.5	510.5	515.8	510.1	505.6	500.2	493.3	20- 30	243.1	456.3	26.4,26.4
40	433.5	440.9	452.7	460.1	451.6	446.8	438.3	431.0	30- 40	298.2	754.6	43.7,43.7
50	355.6	364.2	377.1	384.0	375.9	370.9	361.7	352.3	40- 50	314.6	1069	61.9,61.9
60	262.0	271.1	284.3	293.1	284.4	278.2	268.8	258.2	50- 60	288.6	1358	78.6,78.6
70	155.6	165.0	176.8	188.2	179.5	172.4	163.4	151.4	60- 70	220.4	1578	91.3,91.3
80	52.95	59.21	68.55	79.25	72.33	66.50	58.48	49.64	70- 80	121.5	1700	98.3,98.3
90	1.367	1.807	0.3486	4.366	2.529	1.565	0.1353	1.049	80- 90	28.21	1728	100,100
100	0.6008	0.3830	0.4131	0.3680	0.3379	0.2103	0.2103	0.2328	90-100	0.6542	1728	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0185	1728	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1728	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1728	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1728	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1728	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1728	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1728	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1728	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:2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



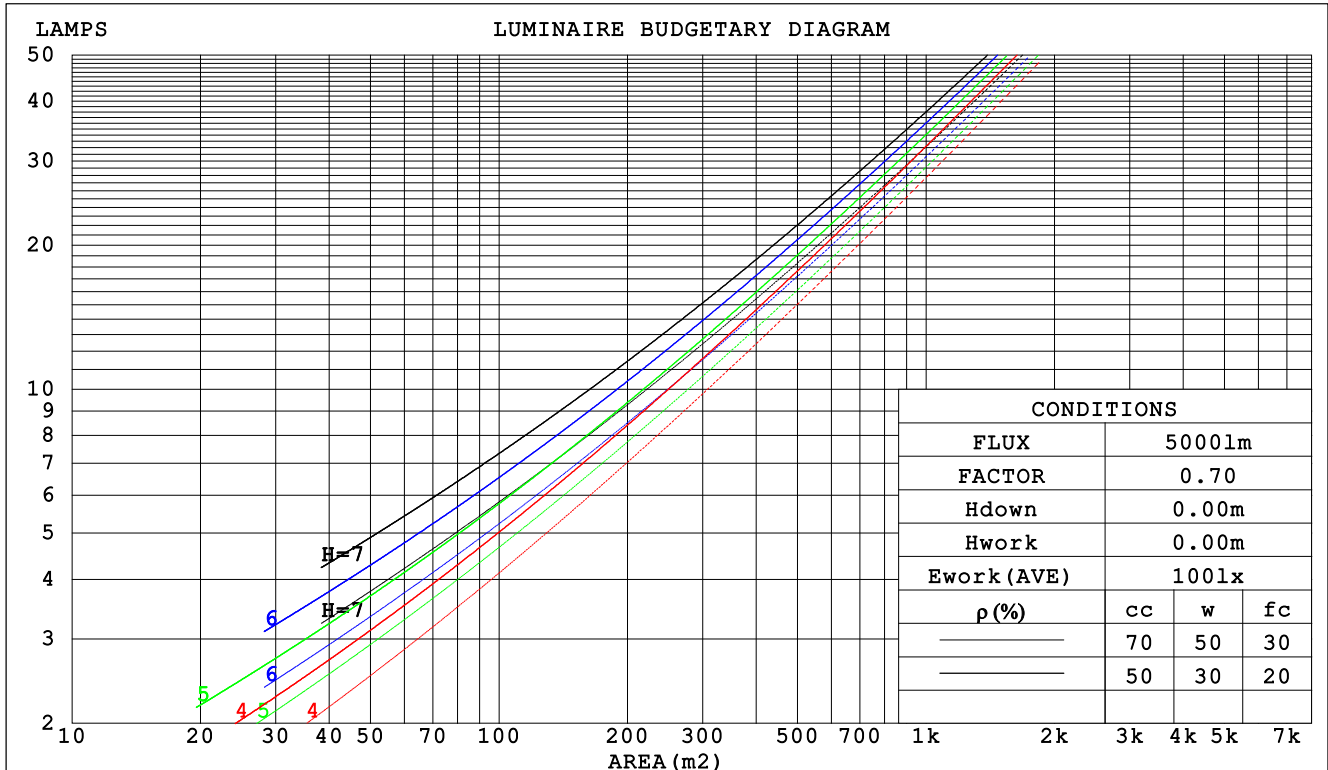
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: SENPU
Test Date: 2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	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	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.83	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.40	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm					
NAME: 12-120-65			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	.309	.176	.056	.302	.172	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050		
2.0	.293	.160	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.254	.144	.045		
3.0	.271	.144	.043	.266	.142	.043	.256	.138	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.125	.037	.228	.122	.037	.220	.120	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.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	.181	.156	.135	.155	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.074	.142	.099	.065	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.101	.058	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.079	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.083	.039	.123	.072	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.076	.033	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.025	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.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: 2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm											
NAME: 12-120-65					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	26.7	28.3	27.0	28.5	28.7	27.1	28.6	27.3	28.8	29.0	
	3H	28.2	29.6	28.5	29.8	30.1	28.6	30.0	28.9	30.3	30.5
	4H	28.7	30.0	29.0	30.3	30.5	29.2	30.6	29.5	30.8	31.1
	6H	29.0	30.2	29.3	30.5	30.8	29.6	30.9	29.9	31.1	31.4
	8H	29.0	30.2	29.4	30.5	30.8	29.7	30.9	30.0	31.2	31.5
	12H	29.0	30.2	29.4	30.5	30.8	29.7	30.9	30.1	31.2	31.5
4H	2H	27.4	28.7	27.7	29.0	29.2	27.6	29.0	27.9	29.2	29.5
	3H	29.0	30.2	29.3	30.5	30.8	29.4	30.5	29.7	30.8	31.1
	4H	29.6	30.7	30.0	31.0	31.3	30.1	31.1	30.4	31.5	31.8
	6H	30.0	30.9	30.4	31.3	31.7	30.6	31.5	31.0	31.9	32.2
	8H	30.1	31.0	30.5	31.3	31.7	30.7	31.6	31.1	32.0	32.3
	12H	30.1	30.9	30.5	31.3	31.7	30.8	31.6	31.2	32.0	32.4
8H	4H	29.8	30.7	30.3	31.1	31.5	30.3	31.1	30.7	31.5	31.9
	6H	30.3	31.1	30.8	31.5	31.9	30.9	31.6	31.3	32.0	32.4
	8H	30.5	31.1	30.9	31.6	32.0	31.1	31.7	31.5	32.2	32.6
	12H	30.5	31.1	31.0	31.5	32.0	31.2	31.8	31.7	32.2	32.7
12H	4H	29.8	30.7	30.3	31.0	31.5	30.2	31.1	30.7	31.5	31.9
	6H	30.4	31.0	30.8	31.4	31.9	30.9	31.5	31.4	32.0	32.4
	8H	30.5	31.1	31.0	31.5	32.0	31.1	31.7	31.6	32.1	32.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 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, 1728 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.9$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

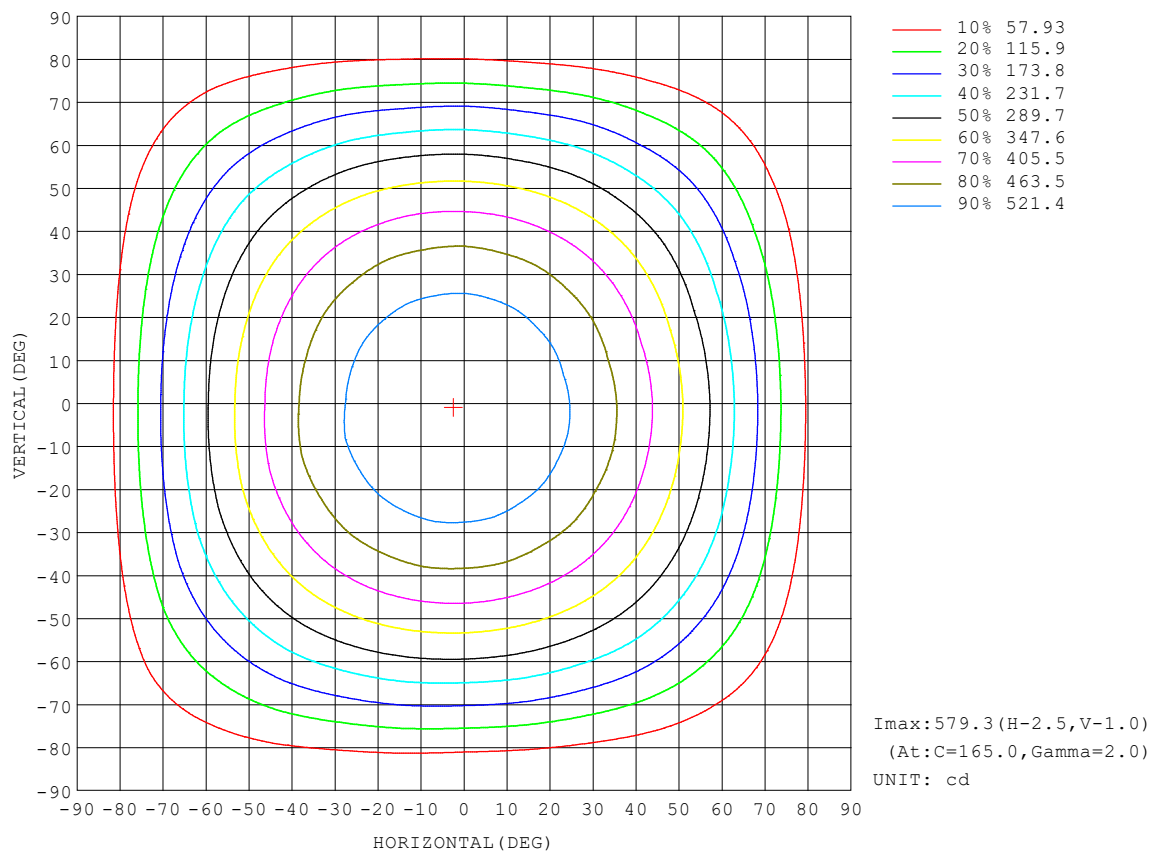
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
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	100	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: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: SENPU
 Test Date: 2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

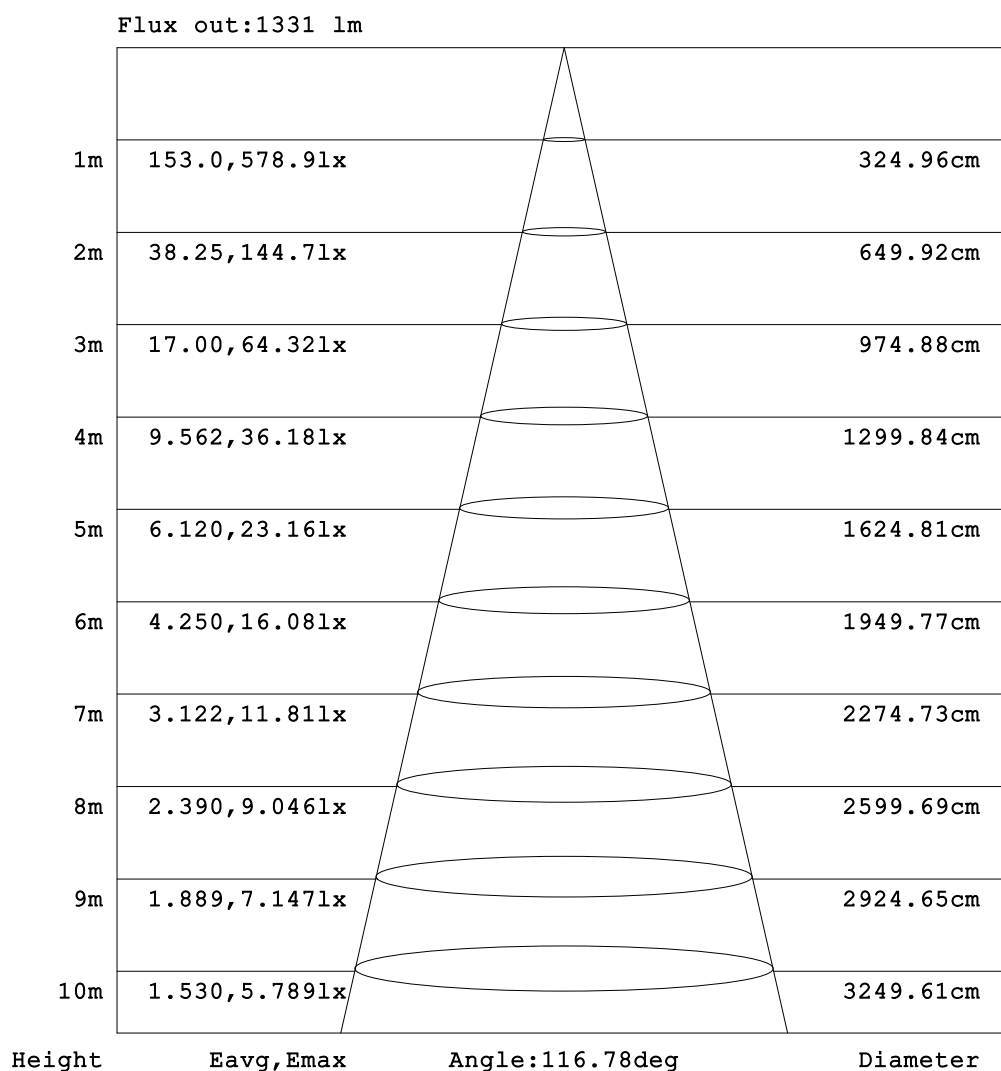


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:SENPU
Test Date:2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



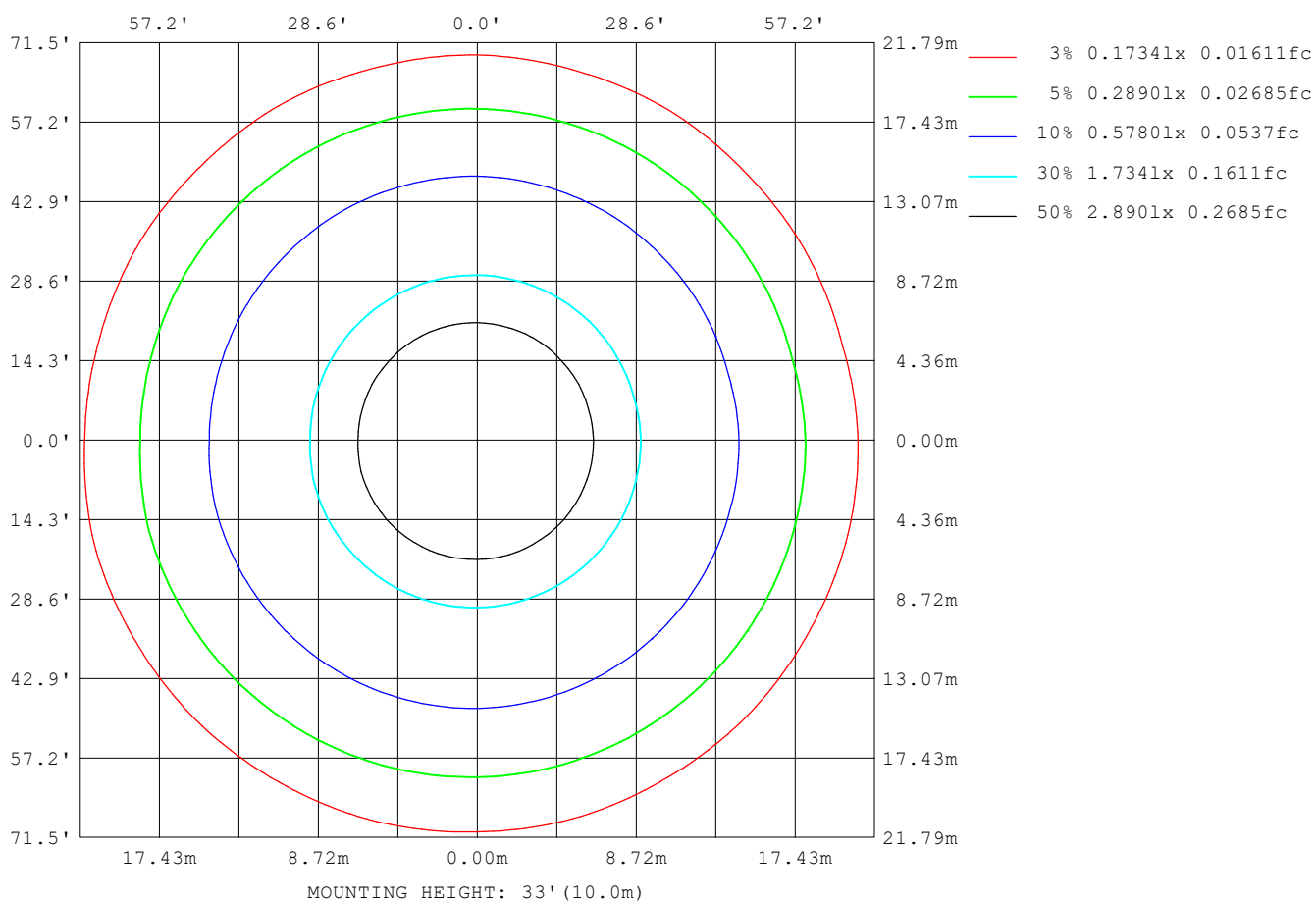
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:SENPU
 Test Date:2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	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: 2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

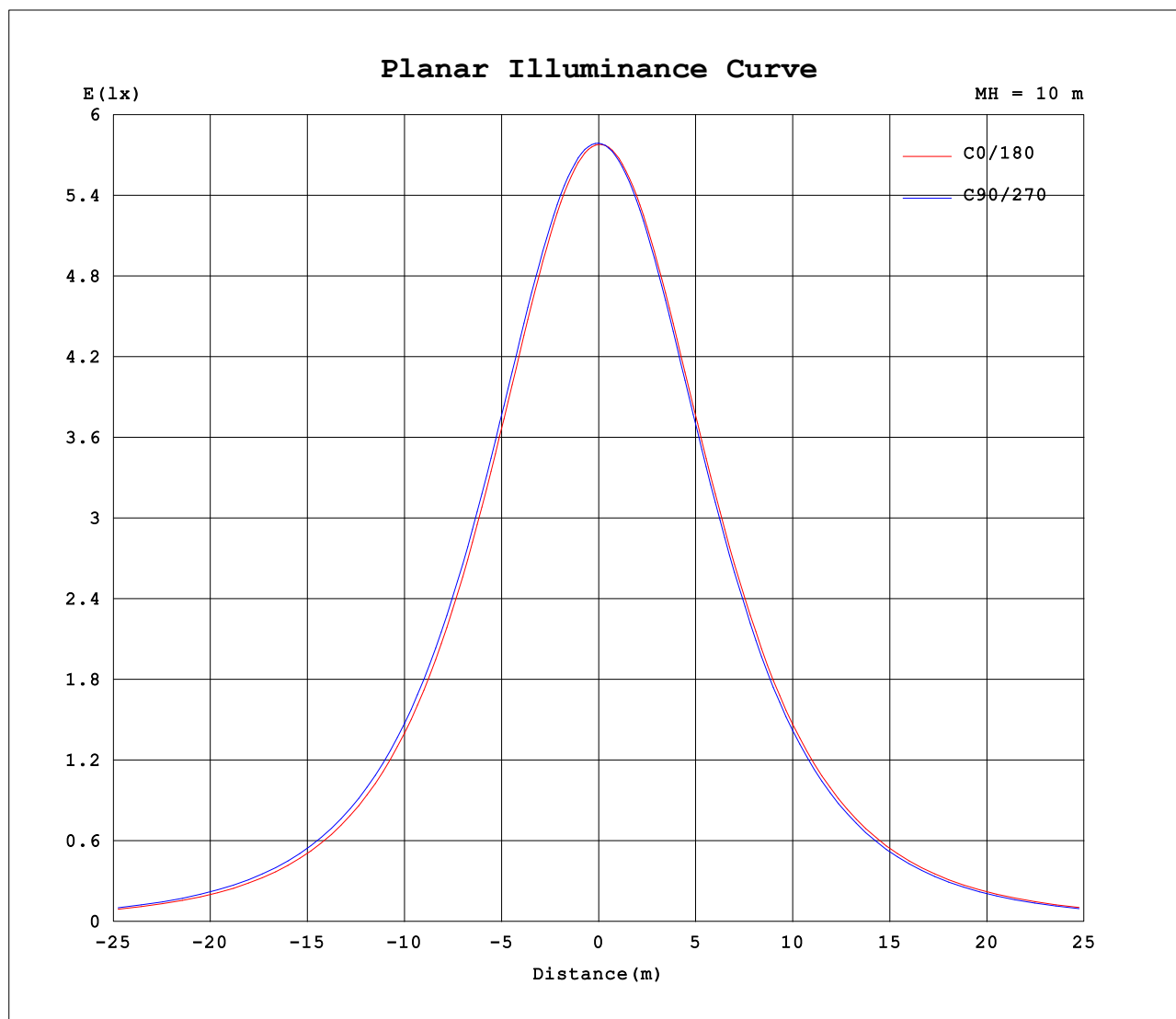
AvgL	cd/m2
L_0~180 (65) av	52347
L_0~180 (75) av	43838
L_0~180 (85) av	25296
L_90~270 (65) av	53051
L_90~270 (75) av	44616
L_90~270 (85) av	25095
L_45 (65) av	52725
L_45 (75) av	44302
L_45 (85) av	26328

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:SENPU
 Test Date:2021-07-20

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: 2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	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	578	579	578	578	579	579	579	579	579	579	579	579	578	579	578	578	579	579	579
5	575	576	576	576	577	577	578	578	579	579	579	579	577	578	577	577	577	576	576
10	567	569	569	570	571	572	573	574	574	575	575	575	573	572	572	571	571	570	569
15	556	557	558	560	561	563	564	565	566	567	566	567	564	563	563	561	561	559	558
20	540	542	543	545	546	549	550	552	553	554	554	554	550	549	549	547	546	544	543
25	519	522	523	526	527	531	533	535	536	537	536	537	532	531	531	528	528	525	524
30	495	498	499	502	505	508	510	513	514	516	515	515	510	509	508	506	505	502	500
35	466	470	471	475	477	482	484	487	488	490	489	489	484	482	481	478	477	474	473
40	434	435	438	441	445	449	453	456	457	460	458	460	452	450	449	447	444	442	438
45	397	398	401	405	409	413	417	420	422	423	424	423	415	415	413	411	408	406	402
50	356	357	360	364	368	373	377	380	383	384	384	384	376	375	373	371	368	365	362
55	311	313	315	320	324	329	333	336	339	341	341	340	332	330	329	326	324	320	317
60	262	264	267	271	275	280	284	289	291	293	293	293	284	283	282	278	276	272	269
65	209	213	214	219	222	228	231	237	239	242	242	242	233	230	231	226	225	219	217
70	156	159	160	165	168	174	177	183	184	188	187	189	180	177	177	172	171	165	163
75	102	105	106	110	113	119	122	127	129	133	132	134	125	122	122	118	117	111	109
80	52.9	54.9	55.4	59.2	61.4	66.1	68.5	73.9	75.7	79.3	79.0	80.4	72.3	70.2	70.0	66.5	64.9	60.6	58.5
85	15.6	16.7	17.2	19.5	20.6	23.6	24.8	29.0	31.0	33.7	33.7	34.5	28.5	27.0	27.0	24.7	23.7	20.4	18.9
90	1.37	1.47	1.58	1.81	1.57	1.46	0.35	2.52	3.36	4.37	4.40	4.89	2.53	2.16	2.14	1.57	1.39	0.78	0.14
95	0.67	0.70	0.87	0.59	0.48	0.31	0.30	0.32	0.59	0.81	0.84	0.68	0.38	0.53	0.57	0.54	0.21	0.17	0.17
100	0.60	0.39	0.37	0.38	0.35	0.36	0.41	0.35	0.58	0.37	0.42	0.70	0.34	0.33	0.23	0.21	0.21	0.22	0.21
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:2021-07-20

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:1.5500A P:18.600W PF:1.0000 Freq:0Hz Lamp Flux:1728.46x1 lm		
NAME: 12-120-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	579	579	579	579	579														
5	576	575	575	575	575														
10	568	568	567	568	567														
15	557	556	555	555	554														
20	541	540	539	539	538														
25	521	520	518	518	517														
30	497	496	493	493	492														
35	469	468	464	464	462														
40	436	433	431	429	429														
45	399	396	394	392	391														
50	358	355	352	351	349														
55	312	310	306	305	303														
60	264	262	258	257	254														
65	211	210	205	205	202														
70	158	156	151	151	148														
75	104	103	98.0	97.8	94.8														
80	54.5	53.0	49.6	49.1	46.9														
85	16.5	15.9	13.9	13.5	12.0														
90	0.76	1.05	1.05	1.01	0.97														
95	0.18	0.21	0.37	0.47	0.56														
100	0.23	0.23	0.23	0.23	0.29														
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:2021-07-20

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: