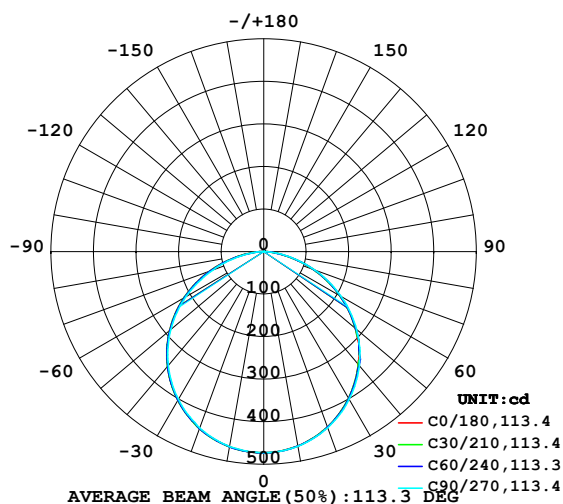


## LUMINAIRE PHOTOMETRIC TEST REPORT

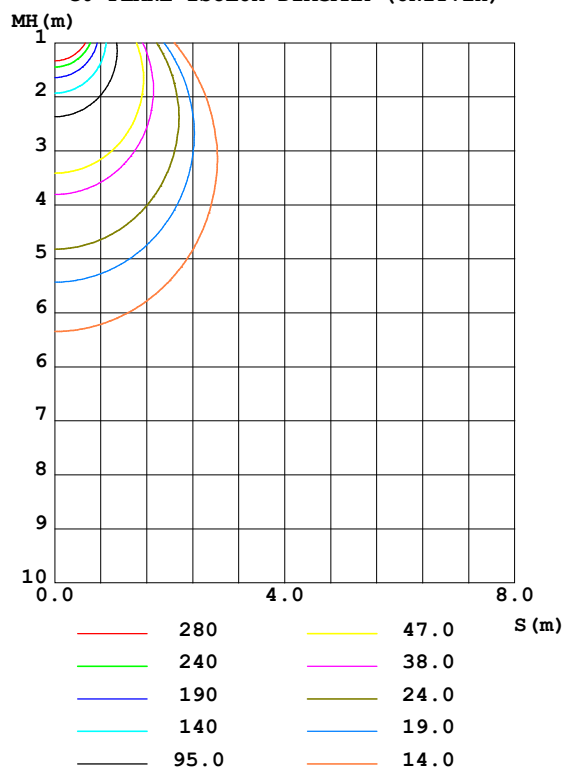
Test:U:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 54.78 lm/W			
MODEL	2700K	I <sub>max</sub> (cd)	473.1	S/MH(C0/180)	1.27
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1352.8	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	1352.79	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	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:25.3DEG  
 Operators:SENPU  
 Test Date:2021-01-22

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	463.6	464.2	464.3	463.0	465.4	465.6	465.0	462.8	0- 10	44.62	44.62	3.3,3.3
20	438.7	440.2	440.3	441.3	442.6	442.0	441.2	436.5	10- 20	128.0	172.7	12.8,12.8
30	398.8	399.1	401.5	403.7	403.4	403.9	401.3	393.3	20- 30	194.4	367.1	27.1,27.1
40	345.9	346.8	349.8	351.5	351.9	352.1	349.1	336.0	30- 40	235.2	602.3	44.5,44.5
50	281.0	282.0	284.8	289.2	288.8	288.7	285.3	278.3	40- 50	245.5	847.8	62.7,62.7
60	206.2	207.1	209.7	217.8	215.8	214.6	211.3	199.4	50- 60	221.9	1070	79.1,79.1
70	125.0	126.0	128.7	137.5	135.2	133.8	127.8	119.8	60- 70	168.2	1238	91.5,91.5
80	45.33	46.38	48.89	56.86	54.14	52.51	48.44	40.53	70- 80	92.80	1331	98.4,98.4
90	0.3311	0.3423	0.4265	3.070	0.7672	0.7378	0.1607	0.9597	80- 90	21.62	1352	100,100
100	0.3064	0.3064	0.0286	0.2337	0.0905	0.2335	0.0818	0.2335	90-100	0.4637	1353	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0121	1353	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1353	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1353	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1353	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1353	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1353	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1353	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1353	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 725.83 lm

%lum = 53.7%

%lamp = 53.7%

Conical surface Flux(120deg): 1069.7 lm

%lum = 79.1%

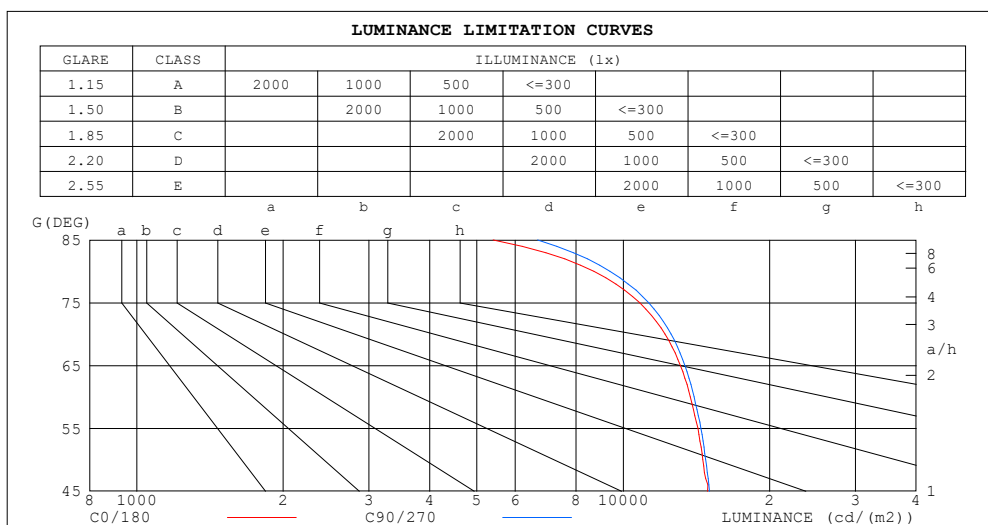
%lamp = 79.1%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:SENP  
 Test Date:2021-01-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5398	6663
80	8702	9386
75	10803	11286
70	12181	12544
65	13108	13394
60	13745	13981
55	14242	14444
50	14574	14771
45	14902	15043

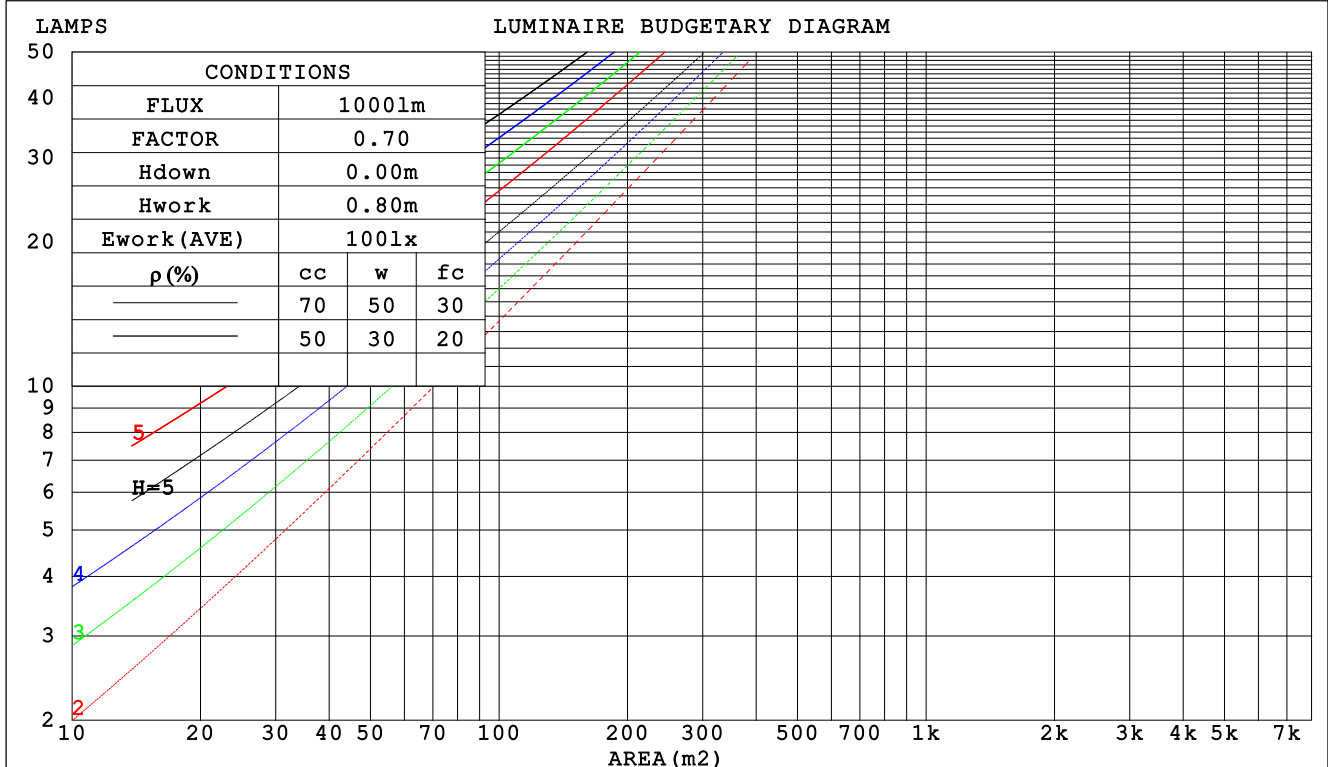
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:SENPU  
Test Date:2021-01-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	.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	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.61	.55	.69	.61	.54	.66	.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	.56	.47	.41	.56	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.35	.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	.39	.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: 25.3DEG  
 Operators: SENPU  
 Test Date: 2021-01-22

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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	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	.307	.174	.055	.300	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049		
2.0	.290	.159	.049	.284	.156	.048	.272	.151	.047	.262	.147	.046	.252	.142	.045		
3.0	.269	.143	.043	.264	.141	.043	.253	.137	.042	.244	.134	.041	.235	.130	.040		
4.0	.249	.129	.038	.244	.128	.038	.235	.124	.037	.226	.121	.037	.218	.119	.036		
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.108	.033		
6.0	.214	.107	.031	.210	.106	.030	.202	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.199	.098	.028	.195	.097	.028	.189	.096	.028	.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	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023		
10.0	.164	.078	.022	.161	.078	.022	.157	.077	.022	.152	.076	.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	.098	.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	.087	.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	.082	.039	.122	.071	.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	.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:25.3DEG  
 Operators:SENPU  
 Test Date:2021-01-22

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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm										
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765					TYPE:LED FPCB			WEIGHT:		
SPEC.:Ra>95					DIM.:			SERIAL No.:		
MFR.: YUJI LIGHTS					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	22.1	23.6	22.4	23.8	24.0	22.1	23.7	22.4	23.9	24.1
3H	23.5	25.0	23.8	25.2	25.4	23.6	25.0	23.9	25.3	25.5
4H	24.1	25.4	24.4	25.7	25.9	24.2	25.5	24.5	25.8	26.0
6H	24.4	25.7	24.7	25.9	26.2	24.6	25.8	24.9	26.1	26.4
8H	24.5	25.7	24.8	26.0	26.3	24.6	25.9	25.0	26.1	26.4
12H	24.5	25.7	24.8	26.0	26.3	24.7	25.8	25.0	26.1	26.4
4H 2H	22.7	24.0	23.0	24.3	24.5	22.7	24.1	23.0	24.3	24.6
3H	24.3	25.5	24.7	25.8	26.1	24.4	25.6	24.7	25.9	26.2
4H	25.0	26.0	25.3	26.4	26.7	25.1	26.1	25.4	26.5	26.8
6H	25.4	26.3	25.8	26.7	27.1	25.5	26.5	25.9	26.8	27.2
8H	25.5	26.4	25.9	26.8	27.1	25.7	26.5	26.1	26.9	27.3
12H	25.5	26.4	26.0	26.7	27.2	25.7	26.5	26.2	26.9	27.3
8H 4H	25.2	26.1	25.6	26.4	26.8	25.3	26.2	25.7	26.5	26.9
6H	25.7	26.5	26.2	26.9	27.3	25.9	26.6	26.3	27.0	27.4
8H	25.9	26.6	26.4	27.0	27.4	26.1	26.7	26.5	27.1	27.6
12H	26.0	26.6	26.5	27.0	27.5	26.2	26.7	26.7	27.2	27.7
12H 4H	25.2	26.0	25.6	26.4	26.8	25.3	26.1	25.7	26.5	26.9
6H	25.8	26.4	26.2	26.9	27.3	25.9	26.5	26.4	27.0	27.4
8H	26.0	26.5	26.5	27.0	27.5	26.1	26.7	26.6	27.1	27.6
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 / - 0.3				

CIE Pub.117, 1353 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.0$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:SENPU  
 Test Date:2021-01-22

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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:

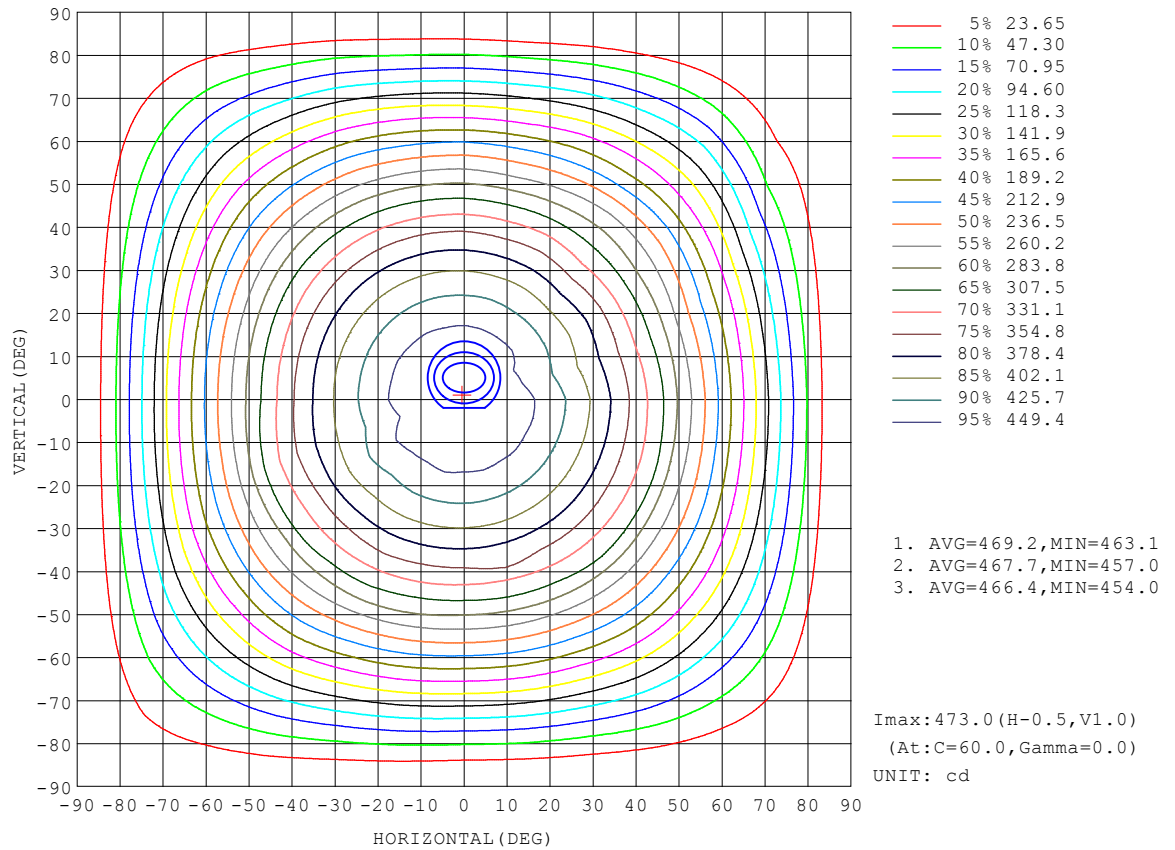
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	68	56	48	66	55	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	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	95	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: 25.3DEG  
 Operators: SENPU  
 Test Date: 2021-01-22

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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:



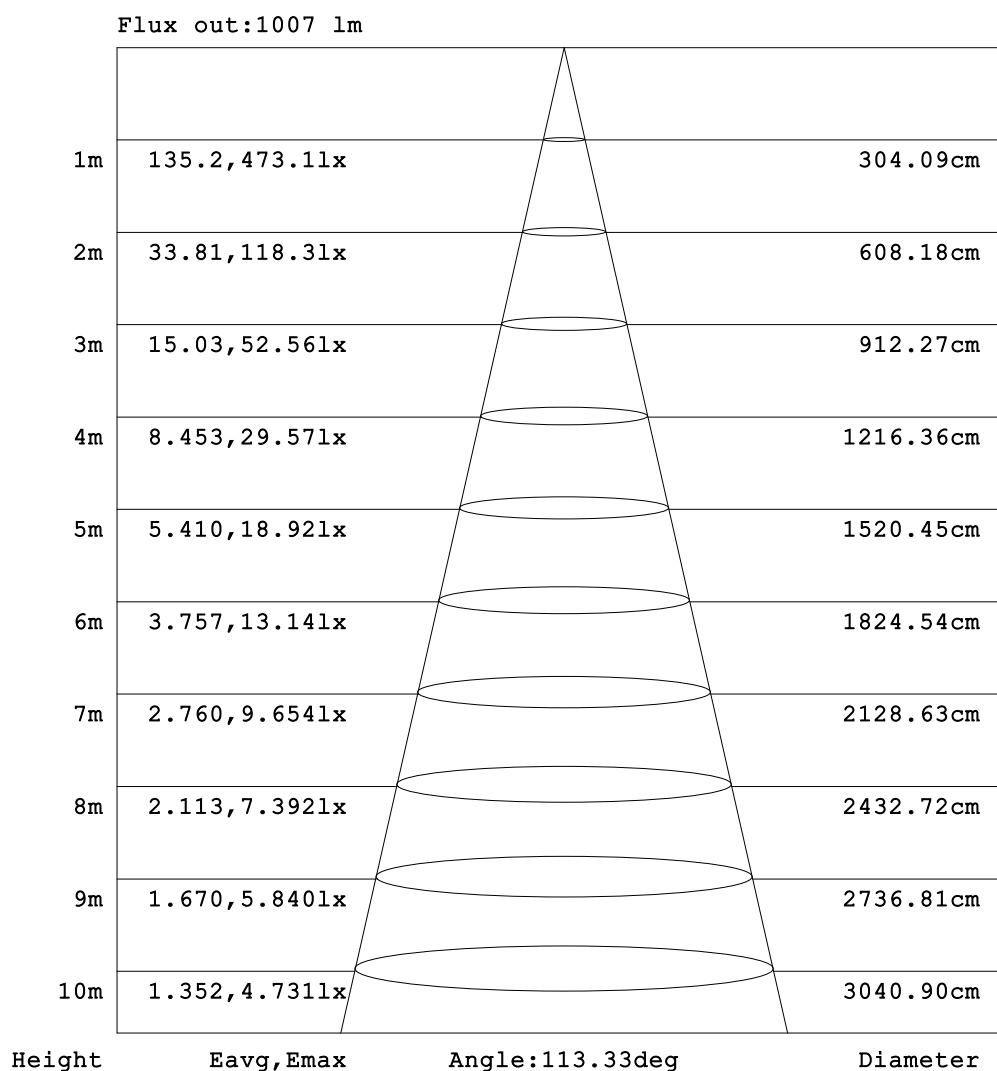
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: SENPU  
Test Date: 2021-01-22

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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:



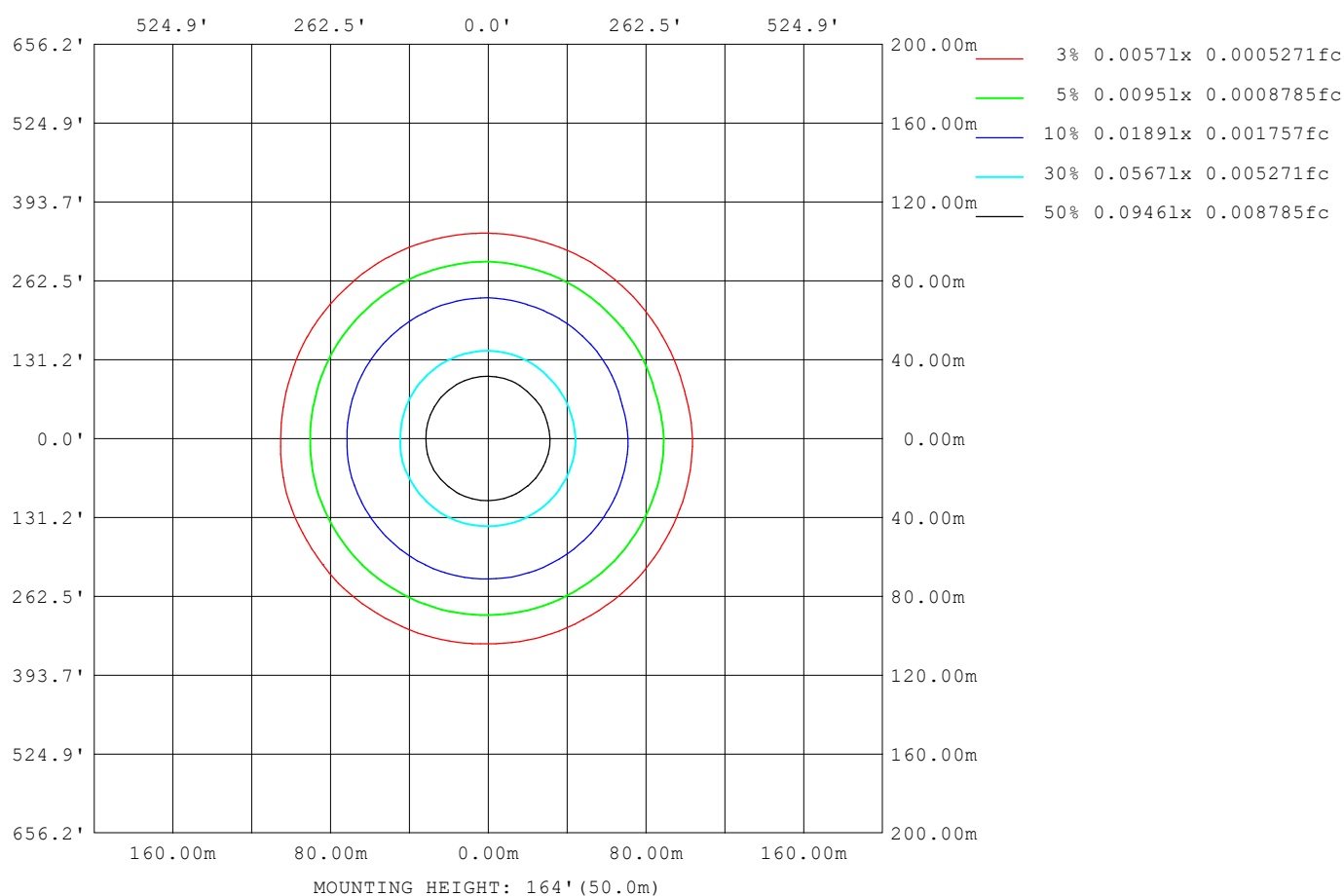
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:SENPU  
 Test Date:2021-01-22

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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:SENPU  
Test Date:2021-01-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:

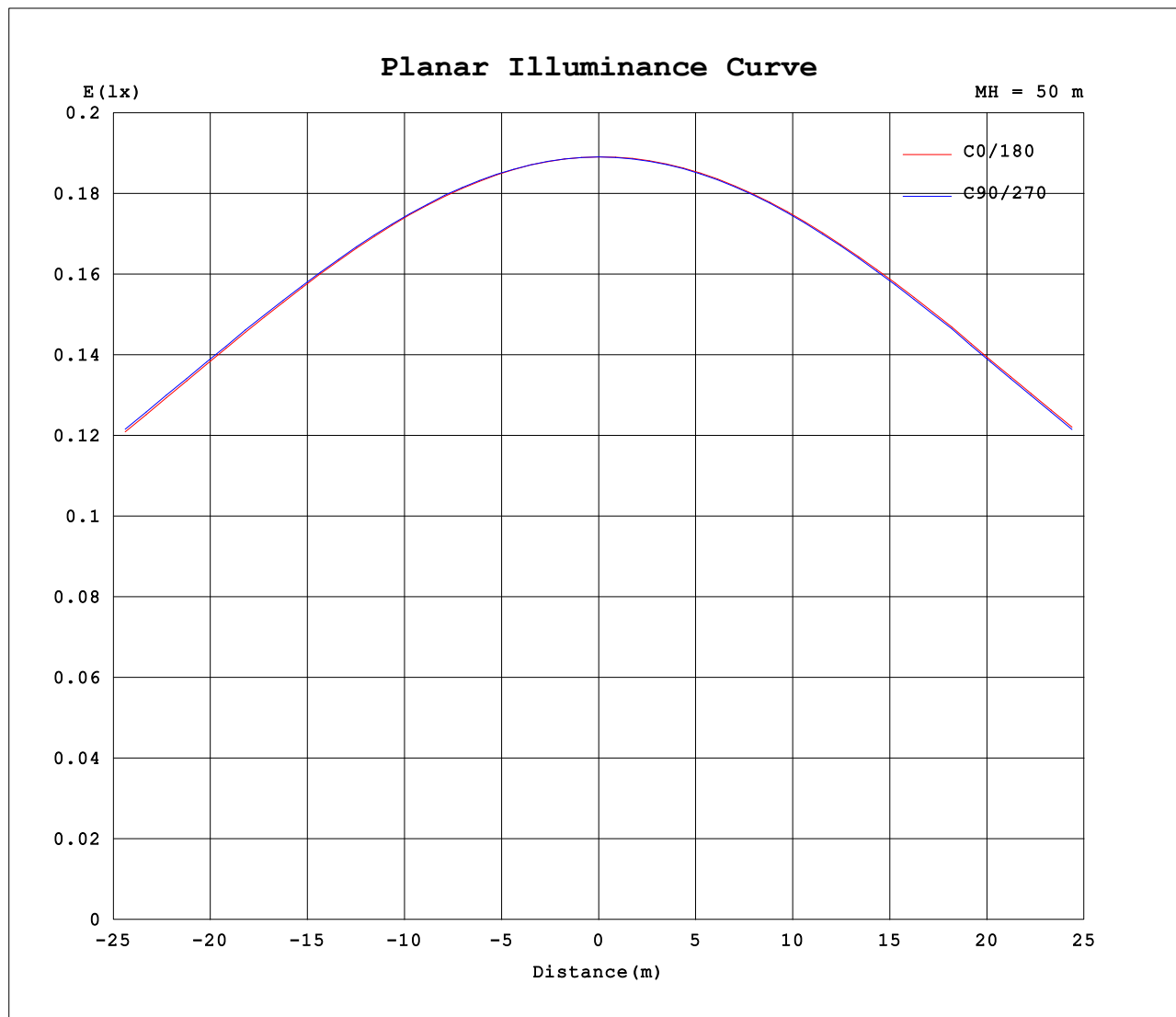
AvgL	cd/m2
L_0~180 (65) av	13512
L_0~180 (75) av	11435
L_0~180 (85) av	6660
L_90~270 (65) av	13382
L_90~270 (75) av	11239
L_90~270 (85) av	6491
L_45 (65) av	13472
L_45 (75) av	11372
L_45 (85) av	6794

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:SENPU  
 Test Date:2021-01-22

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: 25.3DEG  
Operators: SENPU  
Test Date: 2021-01-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	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	473	473	473	473	473	473	473	473	469	470	463	468	473	473	473	473	473	473	473
5	470	470	470	471	471	471	470	471	470	468	466	466	471	471	472	471	471	471	471
10	464	464	464	464	464	465	464	465	464	463	465	460	465	465	466	466	466	465	465
15	453	453	453	454	454	455	454	456	454	454	458	450	456	455	456	456	456	455	455
20	439	439	438	440	439	441	440	442	440	441	445	437	443	442	443	442	443	441	441
25	420	420	420	421	421	422	422	423	424	423	428	422	424	424	425	424	424	424	422
30	399	399	399	399	399	401	401	403	404	404	407	404	403	404	404	404	403	403	401
35	374	374	374	374	375	376	377	378	380	380	383	383	379	380	380	380	379	378	377
40	346	346	346	347	350	356	350	351	354	351	352	357	352	352	353	352	352	350	349
45	316	315	316	318	317	320	319	321	323	322	322	329	322	322	322	322	321	320	318
50	281	281	281	282	282	284	285	289	293	289	289	295	289	289	289	289	288	287	285
55	245	245	244	245	246	248	249	251	253	255	256	256	253	253	254	253	253	251	249
60	206	207	206	207	207	209	210	213	214	218	218	219	216	215	216	215	215	212	211
65	166	167	166	167	167	169	170	173	175	178	178	181	176	176	177	175	175	172	170
70	125	126	124	126	126	128	129	132	134	138	138	141	135	134	136	134	134	131	128
75	83.9	84.5	83.4	84.9	84.6	87.0	87.6	91.1	92.6	96.3	97.7	99.5	93.7	93.2	94.2	92.4	92.4	88.4	86.9
80	45.3	46.0	44.9	46.4	46.1	48.5	48.9	52.2	53.5	56.9	58.1	60.6	54.1	53.7	54.6	52.5	52.5	49.1	48.4
85	14.1	14.8	14.3	15.6	15.5	17.0	17.4	19.9	21.1	23.7	24.7	26.7	20.7	20.4	21.2	19.8	19.4	17.8	16.5
90	0.33	0.66	0.37	0.34	0.41	0.53	0.43	0.78	1.96	3.07	3.63	4.03	0.77	0.77	0.96	0.74	0.58	0.21	0.16
95	0.30	0.29	0.22	0.29	0.18	0.33	0.17	0.28	0.38	0.82	0.30	1.24	0.20	0.20	0.20	0.18	0.20	0.19	0.20
100	0.31	0.08	0.04	0.31	0.03	0.09	0.03	0.12	0.11	0.23	0.09	0.35	0.09	0.24	0.24	0.23	0.08	0.23	0.08
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:25.3DEG  
Operators:SENPU  
Test Date:2021-01-22

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:24.000V I:1.0290A P:24.696W PF:1.0000 Freq:0Hz Lamp Flux:1352.79x1 lm		
NAME: YJ-VTC-12HRB-2835L-24V-G02-2765	TYPE:LED FPCB	WEIGHT:
SPEC.:Ra>95	DIM.:	SERIAL No.:
MFR.: YUJI LIGHTS	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	473	469	470	463	468														
5	471	467	468	459	466														
10	464	461	463	454	459														
15	454	452	452	446	447														
20	440	438	437	433	430														
25	422	419	417	416	411														
30	399	398	393	395	391														
35	374	371	366	370	367														
40	345	344	336	339	339														
45	315	312	308	307	309														
50	280	278	278	273	274														
55	244	242	242	241	235														
60	206	203	199	201	198														
65	165	166	163	160	159														
70	124	123	120	119	112														
75	82.9	82.6	79.6	76.5	68.9														
80	44.7	43.6	40.5	37.2	31.3														
85	13.8	13.0	11.9	11.4	9.57														
90	0.23	0.99	0.96	1.06	1.36														
95	0.19	0.33	0.54	0.59	0.68														
100	0.24	0.08	0.23	0.24	0.10														
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:25.3DEG  
 Operators:SENPU  
 Test Date:2021-01-22

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: