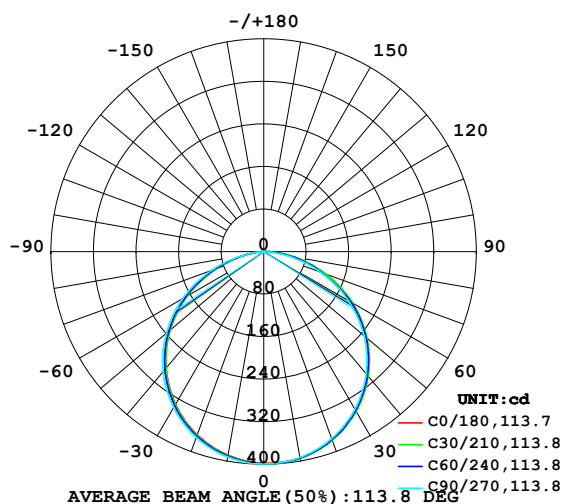


## LUMINAIRE PHOTOMETRIC TEST REPORT

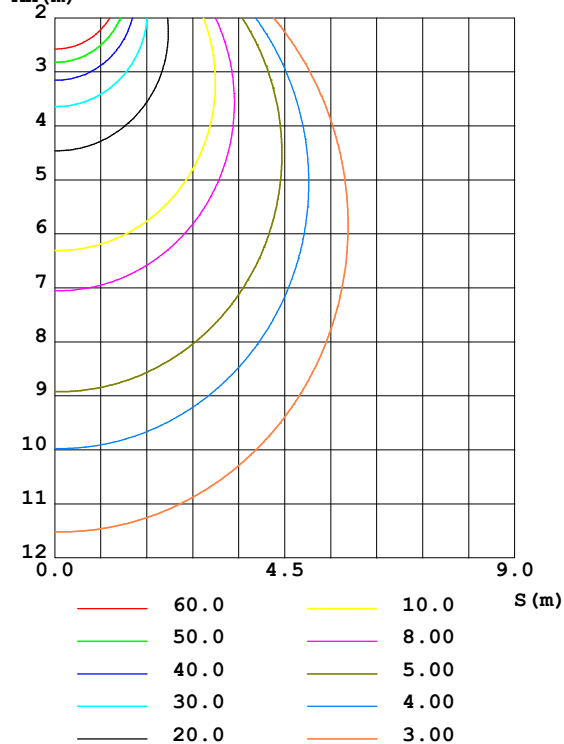
Test:U:24.000V I:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.90 lm/W
MODEL	V120-24-50L	I <sub>max</sub> (cd)	400.0	S/MH (C0/180)	1.24	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1152.9	η UP, DN (C0-180)	0.1, 50.9	
NOMINAL FLUX (lm)	1152.93	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 48.9	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	24	η down (%)	99.8	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: 25.8DEG  
Operators: SENPU  
Test Date: 2022-03-03

γ Range: 0 - 180DEG  
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:

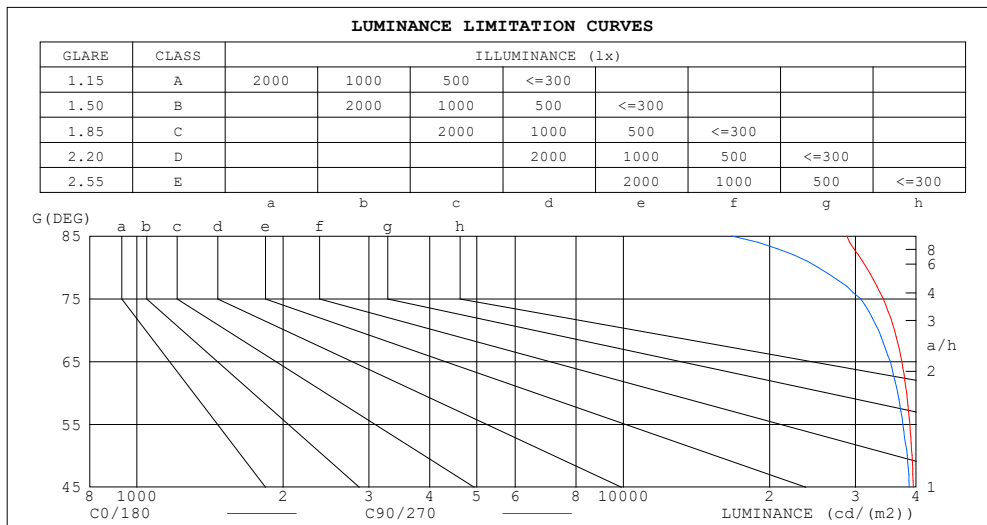
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	393.8	394.9	393.2	391.9	388.8	389.5	392.1	393.6	0- 10	37.77	37.77	3.28,3.28
20	376.0	377.5	374.0	371.0	366.3	367.1	371.8	374.5	10- 20	108.4	146.2	12.7,12.7
30	345.9	347.7	342.6	338.2	331.7	332.7	338.9	343.0	20- 30	164.9	311.1	27,27
40	304.2	306.0	299.7	293.6	285.9	286.3	294.5	299.9	30- 40	199.9	511.0	44.3,44.3
50	252.2	253.8	246.7	238.7	230.2	229.8	239.4	245.9	40- 50	208.5	719.5	62.4,62.4
60	191.2	192.7	183.4	175.3	165.7	165.1	175.4	183.8	50- 60	189.0	908.4	78.8,78.8
70	123.5	124.8	114.5	105.7	96.26	94.84	105.4	114.6	60- 70	143.1	1052	91.2,91.2
80	54.89	56.32	43.68	39.31	30.70	30.43	35.03	46.49	70- 80	79.17	1131	98.1,98.1
90	5.399	6.369	0.2910	1.133	0.3540	0.4364	0.1232	2.841	80- 90	19.58	1150	99.8,99.8
100	0.3414	0.2609	0.2320	0.2755	0.2102	0.2102	0.1958	0.1885	90-100	0.6712	1151	99.8,99.8
110	0.2610	0.3189	0.2464	0.3408	0.3119	0.2247	0.2539	0.2102	100-110	0.2621	1151	99.9,99.9
120	0.3190	0.3770	0.3190	0.4204	0.4206	0.3190	0.3190	0.2464	110-120	0.3003	1152	99.9,99.9
130	0.4274	0.4423	0.3769	0.4785	0.4639	0.3262	0.3770	0.3335	120-130	0.3311	1152	99.9,99.9
140	0.5219	0.5074	0.4349	0.5219	0.4712	0.4421	0.7340	0.4132	130-140	0.3524	1152	99.9,99.9
150	0.5582	0.5292	0.4710	0.5147	0.5292	0.4494	0.4640	0.4276	140-150	0.2985	1153	100,100
160	0.5654	0.5002	0.4784	0.5147	0.5727	0.4639	0.4857	0.4494	150-160	0.2311	1153	100,100
170	0.4567	0.4857	0.4858	0.4639	0.5726	0.5219	0.4857	0.4712	160-170	0.1437	1153	100,100
180	0.5364	0.5074	0.4639	0.4639	0.5364	0.5147	0.4857	0.4784	170-180	0.0475	1153	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.8DEG  
 Operators:SENPU  
 Test Date:2022-03-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28821	16708
80	31612	25155
75	34222	30774
70	36103	33488
65	37364	35382
60	38236	36679
55	38819	37582
50	39232	38379
45	39512	38732

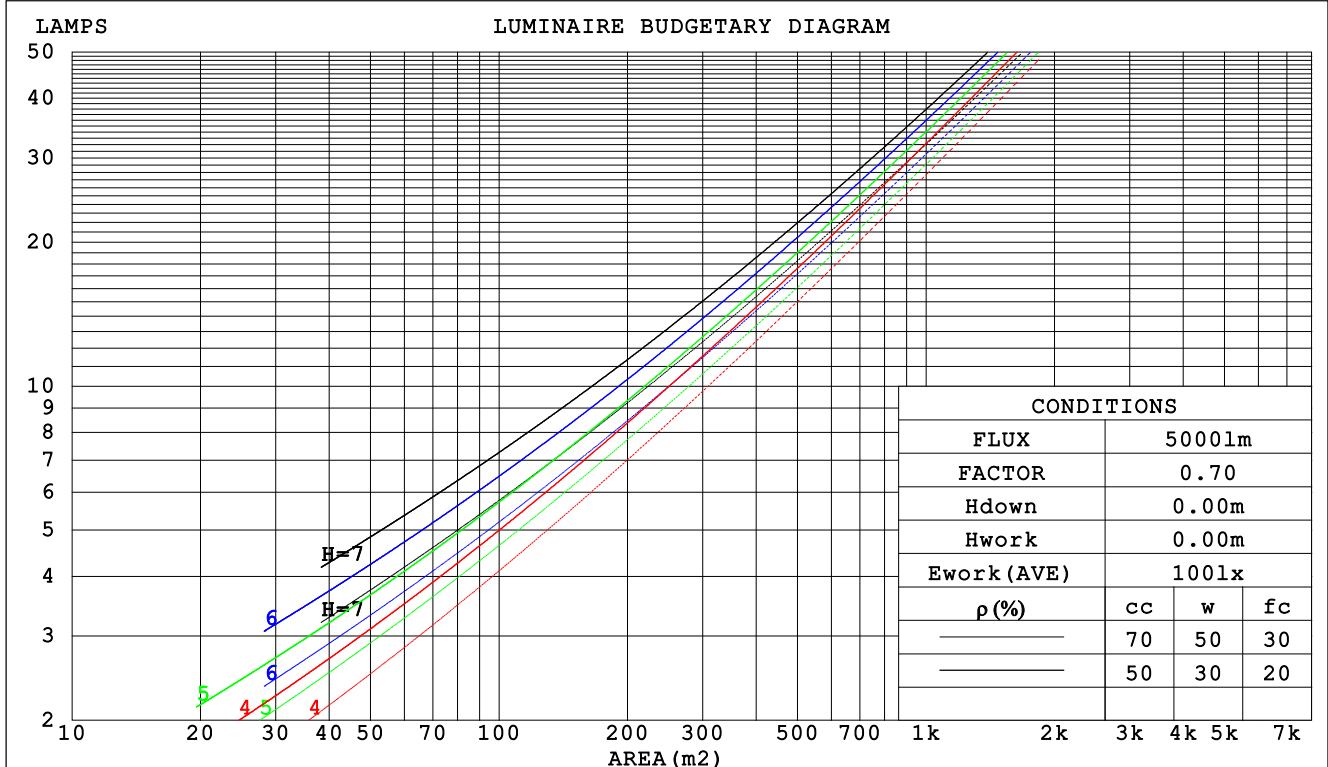
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.8DEG  
Operators:SENPU  
Test Date:2022-03-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.8DEG  
 Operators: SENPU  
 Test Date: 2022-03-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm					
NAME: YJ-VTC-RB-2835-24V-G01-50			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:2022030501
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	.308	.175	.055	.301	.172	.054	.287	.165	.053	.275	.159	.051	.264	.153	.049		
2.0	.291	.159	.049	.285	.157	.048	.273	.152	.047	.262	.147	.046	.252	.142	.045		
3.0	.270	.144	.043	.264	.141	.043	.254	.137	.042	.244	.134	.041	.235	.130	.040		
4.0	.249	.129	.038	.244	.128	.038	.235	.125	.037	.226	.122	.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	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.199	.098	.028	.196	.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	.156	.079	.023		
10.0	.164	.079	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021		
1.0	.182	.158	.136	.156	.136	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015		
2.0	.174	.134	.100	.149	.115	.086	.102	.080	.060	.059	.046	.035	.019	.015	.012		
3.0	.166	.116	.076	.142	.100	.066	.098	.070	.046	.056	.041	.027	.018	.013	.009		
4.0	.159	.103	.060	.136	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007		
5.0	.151	.092	.049	.130	.080	.043	.089	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.144	.084	.041	.124	.073	.036	.085	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.137	.077	.035	.118	.067	.030	.082	.047	.022	.047	.028	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.027	.078	.043	.019	.045	.026	.011	.015	.008	.004		
9.0	.125	.066	.027	.107	.058	.024	.074	.041	.017	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.8DEG  
 Operators:SENPU  
 Test Date:2022-03-03

γ Range: 0 - 180DEG  
 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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm										
NAME: YJ-VTC-RB-2835-24V-G01-50					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:2022030501		
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	25.9	27.4	26.1	27.6	27.8	25.7	27.2	26.0	27.4	27.6
3H	27.5	28.9	27.8	29.2	29.4	27.2	28.6	27.5	28.8	29.1
4H	28.2	29.5	28.5	29.8	30.0	27.8	29.1	28.1	29.4	29.6
6H	28.7	29.9	29.0	30.2	30.5	28.1	29.4	28.5	29.7	30.0
8H	28.9	30.1	29.2	30.4	30.7	28.2	29.5	28.6	29.7	30.0
12H	29.0	30.1	29.3	30.4	30.7	28.3	29.4	28.6	29.7	30.0
4H 2H	26.5	27.8	26.8	28.1	28.4	26.4	27.7	26.7	28.0	28.2
3H	28.3	29.5	28.7	29.8	30.1	28.1	29.2	28.4	29.5	29.8
4H	29.2	30.2	29.5	30.5	30.9	28.7	29.8	29.1	30.1	30.5
6H	29.8	30.7	30.2	31.1	31.5	29.2	30.2	29.6	30.5	30.9
8H	30.0	30.9	30.4	31.3	31.7	29.4	30.3	29.8	30.6	31.0
12H	30.2	31.0	30.6	31.4	31.8	29.5	30.3	29.9	30.7	31.1
8H 4H	29.4	30.3	29.9	30.7	31.1	29.1	30.0	29.5	30.3	30.7
6H	30.2	31.0	30.7	31.4	31.8	29.7	30.5	30.2	30.9	31.3
8H	30.6	31.2	31.0	31.7	32.1	30.0	30.6	30.5	31.1	31.5
12H	30.8	31.4	31.3	31.9	32.3	30.1	30.7	30.6	31.1	31.6
12H 4H	29.5	30.3	29.9	30.7	31.1	29.1	29.9	29.5	30.3	30.7
6H	30.3	31.0	30.8	31.4	31.9	29.8	30.5	30.3	30.9	31.4
8H	30.7	31.3	31.2	31.7	32.2	30.1	30.7	30.6	31.1	31.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 1153 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 0.5$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.8DEG  
 Operators:SENPU  
 Test Date:2022-03-03

γ Range: 0 - 180DEG  
 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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:

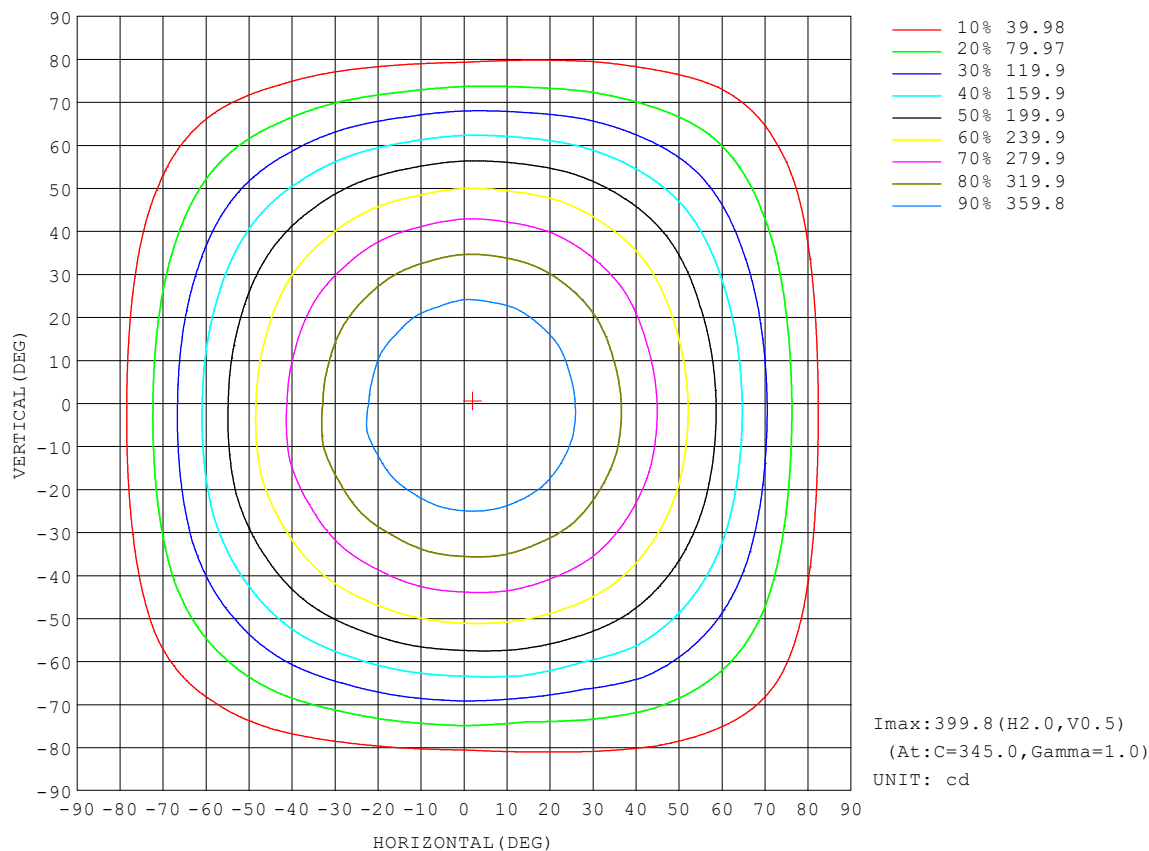
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	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	87	78
4.00	106	101	96	104	99	95	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: 25.8DEG  
 Operators: SENPU  
 Test Date: 2022-03-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:



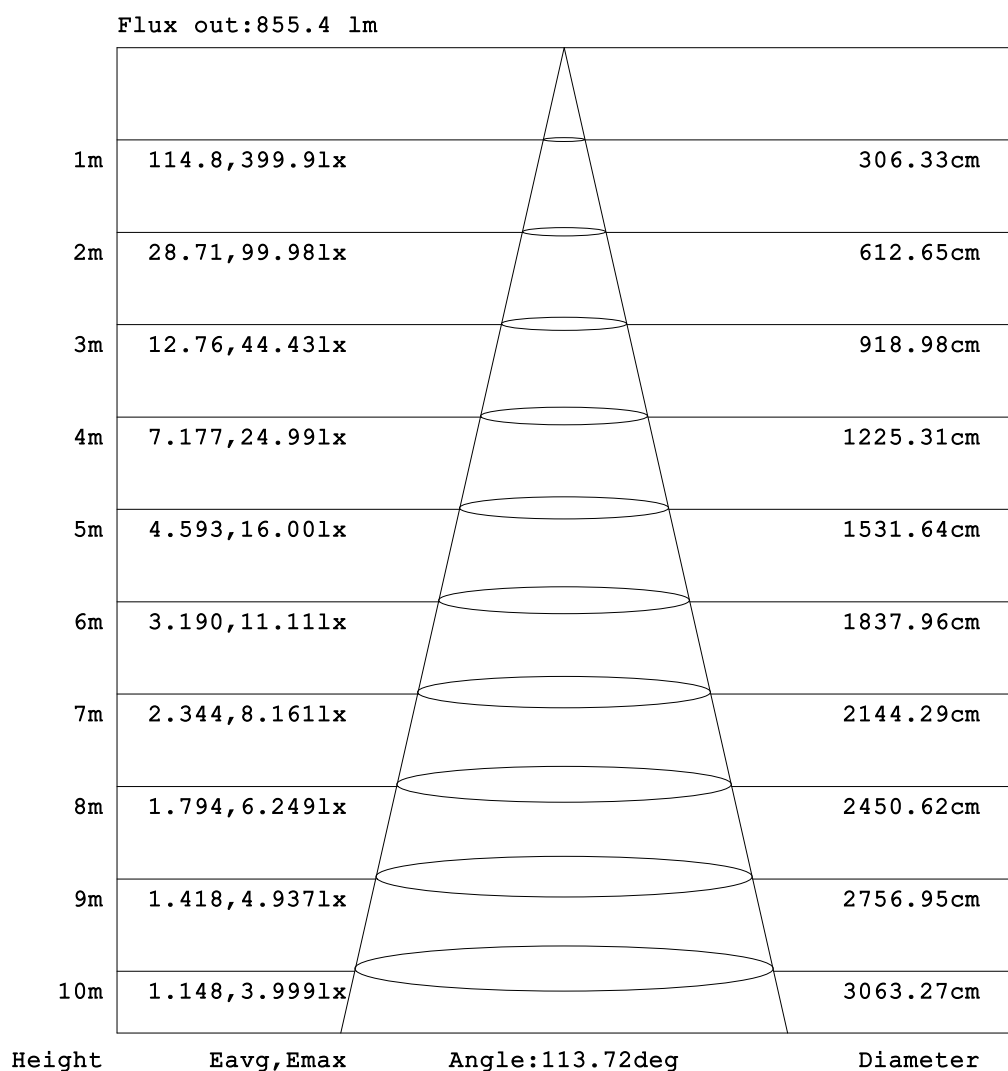
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.8DEG  
Operators:SENPU  
Test Date:2022-03-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:



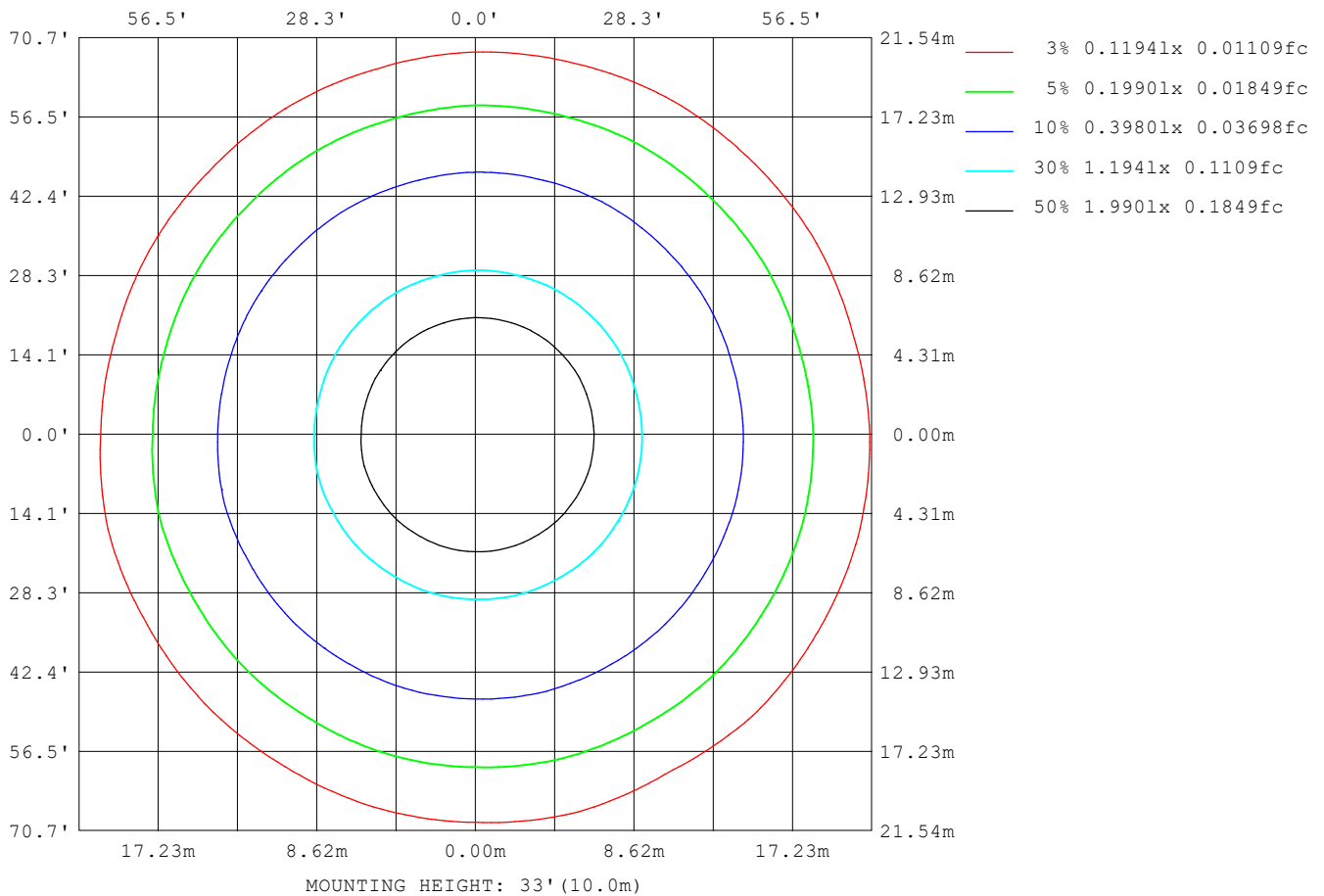
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.8DEG  
 Operators:SENPU  
 Test Date:2022-03-03

γ Range: 0 - 180DEG  
 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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.8DEG  
Operators:SENPU  
Test Date:2022-03-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:

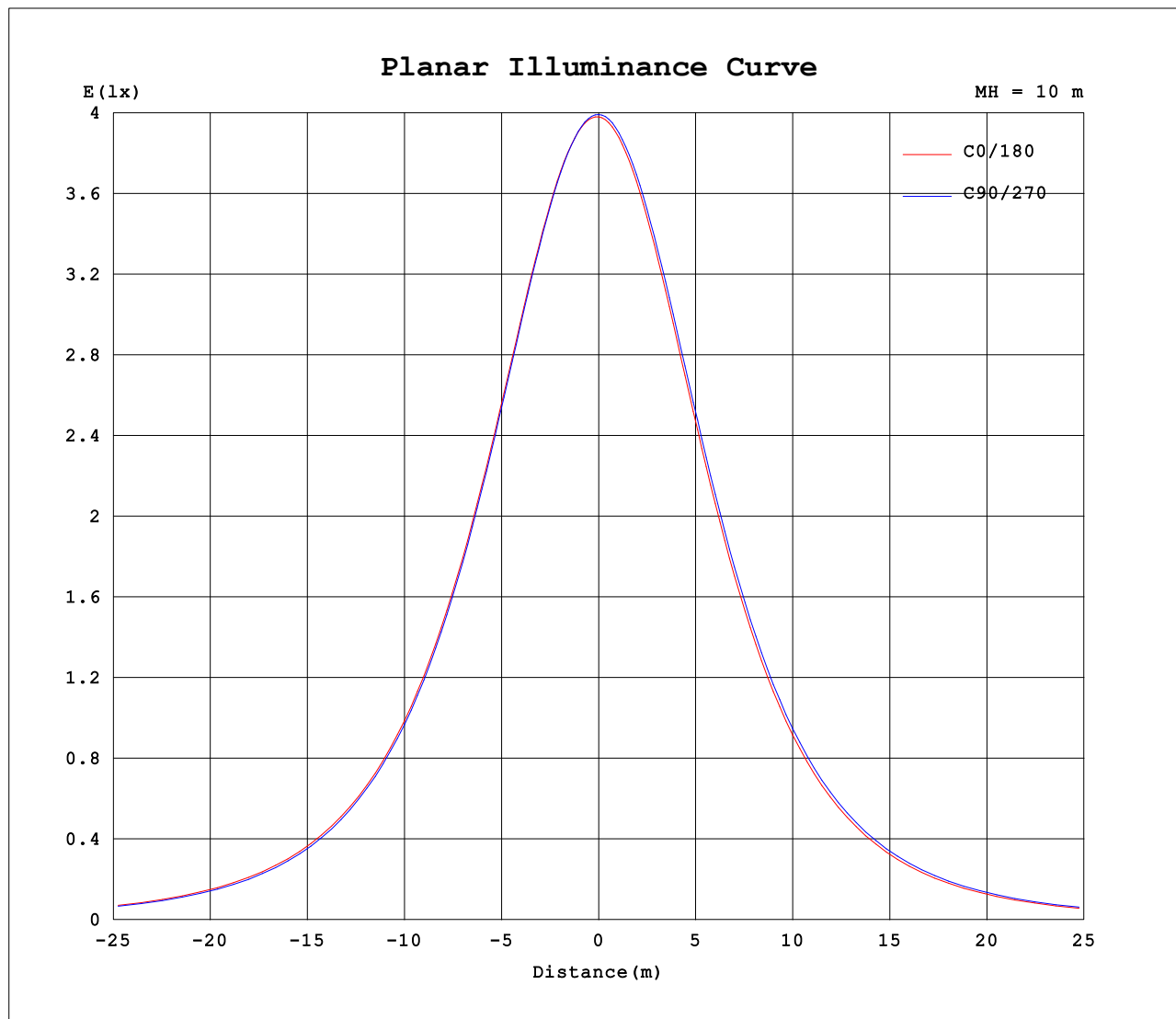
AvgL	cd/m2
L_0~180 (65) av	34223
L_0~180 (75) av	29057
L_0~180 (85) av	18699
L_90~270 (65) av	34354
L_90~270 (75) av	28837
L_90~270 (85) av	12839
L_45 (65) av	34325
L_45 (75) av	29029
L_45 (85) av	19172

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.8DEG  
 Operators:SENPU  
 Test Date:2022-03-03

γ Range: 0 - 180DEG  
 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: 25.8DEG  
Operators: SENPU  
Test Date: 2022-03-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
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	398	399	399	399	399	399	399	399	399	399	399	400	398	399	399	399	399	399	399
5	398	399	399	399	398	398	398	398	397	397	397	397	395	395	396	396	396	396	397
10	394	395	395	395	394	394	393	393	392	392	391	392	389	389	390	390	391	391	392
15	386	388	388	388	387	386	385	385	383	383	382	383	379	379	380	380	381	382	384
20	376	378	377	377	376	375	374	373	371	371	370	370	366	366	367	367	369	369	372
25	362	364	364	364	362	361	360	359	356	356	354	355	351	350	351	351	354	354	357
30	346	348	347	348	346	345	343	341	339	338	336	337	332	331	332	333	335	336	339
35	326	329	328	328	326	325	322	321	318	317	315	316	310	309	311	311	314	315	318
40	304	306	306	306	304	303	300	298	294	294	291	292	286	285	286	286	289	291	295
45	279	282	281	281	278	277	274	272	268	267	264	265	259	257	259	259	263	264	268
50	252	254	254	254	251	249	247	244	240	239	236	236	230	228	230	230	234	235	239
55	223	225	224	224	221	220	216	213	209	208	205	205	199	197	199	199	202	204	208
60	191	194	193	193	189	188	183	181	177	175	172	172	166	164	165	165	169	170	175
65	158	160	159	159	151	154	150	147	142	141	137	138	131	129	130	130	134	136	141
70	123	126	125	125	116	112	115	112	107	106	102	103	96.3	93.7	95.1	94.8	98.5	100	105
75	88.6	90.9	89.7	89.6	84.3	76.9	79.6	76.2	72.6	70.9	67.4	67.7	61.8	59.6	60.7	60.7	64.0	65.8	69.6
80	54.9	57.2	56.1	56.3	53.0	47.0	43.7	42.3	40.6	39.3	36.0	35.9	30.7	28.9	30.2	30.4	33.0	34.2	35.0
85	25.1	27.2	26.8	27.2	24.3	20.0	14.6	17.3	14.5	13.7	11.3	10.6	7.48	6.37	7.05	7.10	8.78	9.50	7.82
90	5.40	6.41	6.16	6.37	3.59	2.58	0.29	1.58	1.34	1.13	0.76	0.72	0.35	0.36	0.33	0.44	0.48	0.48	0.12
95	0.96	1.21	1.34	1.22	0.31	0.24	0.23	0.28	0.28	0.27	0.34	0.28	0.20	0.25	0.20	0.22	0.19	0.19	0.15
100	0.34	0.40	0.35	0.26	0.25	0.25	0.23	0.32	0.26	0.28	0.28	0.27	0.21	0.20	0.20	0.21	0.22	0.19	0.20
105	0.27	0.28	0.27	0.28	0.25	0.28	0.23	0.32	0.25	0.31	0.27	0.30	0.25	0.21	0.25	0.22	0.25	0.19	0.24
110	0.26	0.31	0.27	0.32	0.25	0.31	0.25	0.34	0.29	0.34	0.30	0.33	0.31	0.22	0.28	0.22	0.28	0.21	0.25
115	0.30	0.36	0.29	0.35	0.29	0.33	0.29	0.37	0.33	0.38	0.32	0.37	0.38	0.25	0.30	0.25	0.30	0.22	0.30
120	0.32	0.39	0.32	0.38	0.33	0.38	0.32	0.40	0.34	0.42	0.35	0.41	0.42	0.33	0.36	0.32	0.33	0.33	0.32
125	0.36	0.41	0.35	0.41	0.34	0.39	0.36	0.43	0.41	0.44	0.42	0.45	0.46	0.33	0.37	0.32	0.35	0.33	0.33
130	0.43	0.46	0.41	0.44	0.40	0.43	0.38	0.46	0.43	0.48	0.45	0.48	0.46	0.35	0.40	0.33	0.38	0.33	0.38
135	0.43	0.51	0.46	0.49	0.41	0.45	0.42	0.46	0.45	0.50	0.44	0.51	0.46	0.54	0.52	0.50	0.59	0.48	0.38
140	0.52	0.51	0.46	0.51	0.43	0.49	0.43	0.49	0.45	0.52	0.46	0.52	0.47	0.46	0.46	0.44	0.44	0.43	0.73
145	0.55	0.51	0.49	0.52	0.46	0.49	0.43	0.49	0.46	0.51	0.49	0.52	0.50	0.46	0.47	0.45	0.46	0.41	0.45
150	0.56	0.51	0.54	0.53	0.46	0.50	0.47	0.51	0.46	0.51	0.54	0.51	0.53	0.46	0.49	0.45	0.49	0.43	0.46
155	0.56	0.51	0.57	0.53	0.46	0.52	0.48	0.54	0.47	0.51	0.56	0.51	0.56	0.54	0.52	0.45	0.49	0.45	0.49
160	0.57	0.51	0.57	0.50	0.48	0.54	0.48	0.54	0.49	0.51	0.55	0.51	0.57	0.56	0.54	0.46	0.49	0.45	0.49
165	0.53	0.51	0.54	0.49	0.51	0.55	0.49	0.54	0.50	0.51	0.57	0.49	0.57	0.56	0.54	0.49	0.49	0.46	0.49
170	0.46	0.52	0.51	0.49	0.49	0.47	0.49	0.47	0.49	0.46	0.51	0.44	0.57	0.56	0.54	0.52	0.49	0.49	0.49
175	0.45	0.53	0.50	0.49	0.49	0.47	0.48	0.47	0.49	0.46	0.49	0.45	0.57	0.55	0.53	0.54	0.49	0.54	0.49
180	0.54	0.51	0.49	0.51	0.48	0.47	0.46	0.47	0.46	0.46	0.47	0.47	0.54	0.53	0.51	0.51	0.48	0.51	0.49

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.8DEG  
Operators:SENPU  
Test Date:2022-03-03

γ Range: 0 - 180DEG  
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:0.8020A P:19.248W PF:1.0000 Freq:0Hz Lamp Flux:1152.93x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030501
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	399	399	399	399	400														
5	397	398	398	398	399														
10	392	393	394	394	394														
15	384	385	386	387	387														
20	372	374	375	376	375														
25	357	360	360	362	361														
30	340	342	343	345	344														
35	319	322	323	325	324														
40	296	299	300	302	302														
45	270	273	274	276	276														
50	241	245	246	249	248														
55	210	215	216	219	219														
60	178	182	184	187	186														
65	143	148	150	153	153														
70	108	113	115	118	118														
75	72.9	77.6	79.3	83.0	82.9														
80	40.6	44.9	46.5	49.6	49.4														
85	14.0	17.5	18.9	21.2	20.6														
90	0.90	2.20	2.84	3.66	3.24														
95	0.18	0.18	0.25	0.25	0.34														
100	0.18	0.20	0.19	0.17	0.20														
105	0.19	0.22	0.17	0.20	0.19														
110	0.21	0.28	0.21	0.23	0.21														
115	0.24	0.30	0.22	0.28	0.21														
120	0.26	0.34	0.25	0.31	0.26														
125	0.32	0.36	0.31	0.34	0.32														
130	0.33	0.38	0.33	0.37	0.33														
135	1.30	0.57	0.58	0.64	0.48														
140	0.40	0.41	0.41	0.43	0.46														
145	0.41	0.44	0.41	0.45	0.46														
150	0.43	0.45	0.43	0.45	0.46														
155	0.45	0.48	0.44	0.45	0.47														
160	0.45	0.49	0.45	0.51	0.50														
165	0.45	0.51	0.47	0.52	0.51														
170	0.46	0.53	0.47	0.53	0.51														
175	0.47	0.46	0.48	0.49	0.51														
180	0.47	0.46	0.48	0.46	0.48														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.8DEG  
 Operators:SENP  
 Test Date:2022-03-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: