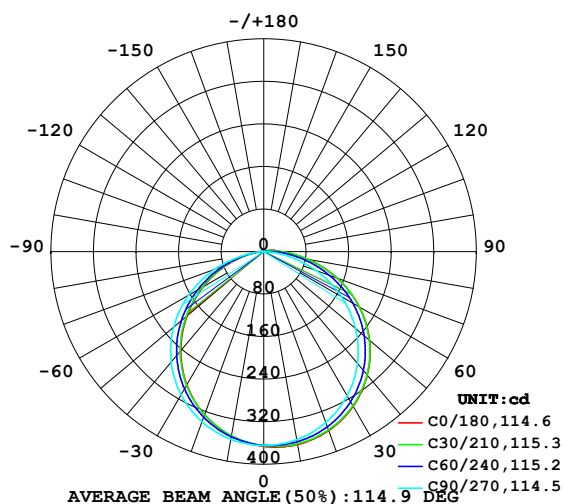


## LUMINAIRE PHOTOMETRIC TEST REPORT

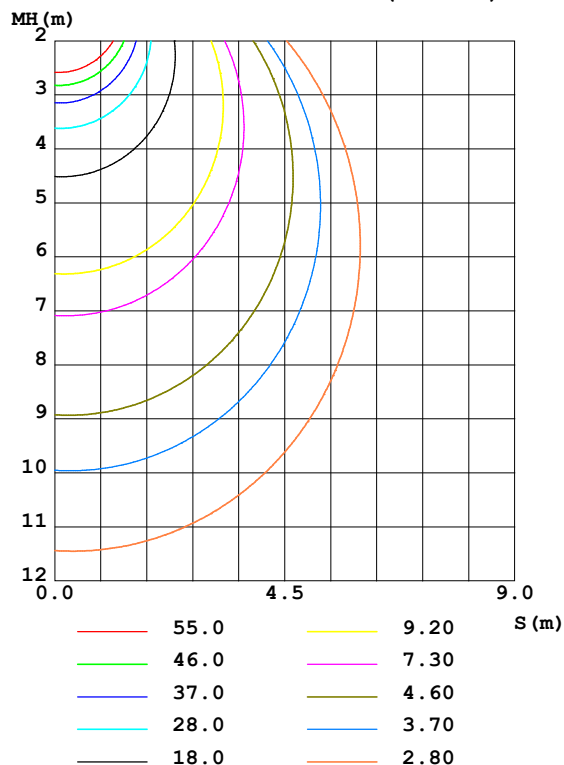
Test:U:24.000V I:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.94 lm/W			
MODEL	V120-24-65L	Imax(cd)	369.9	S/MH(C0/180)	1.18
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1092.9	$\eta$ UP,DN(C0-180)	0.6,50.9
NOMINAL FLUX(lm)	1092.94	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.4,48.1
LAMPS INSIDE	1	$\eta$ up(%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	99.0	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:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

$\gamma$  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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

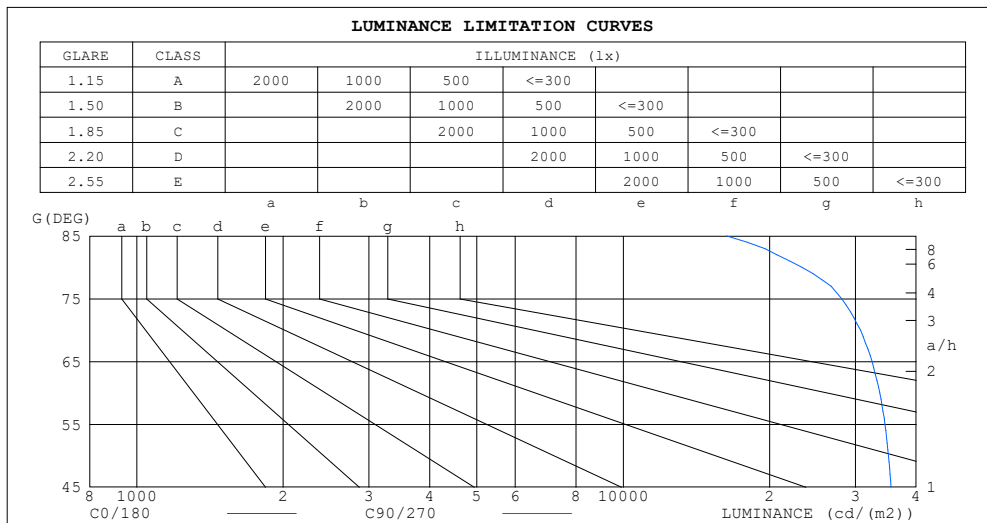
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	368.3	365.6	359.1	355.8	352.1	352.0	358.2	366.4	0- 10	34.63	34.63	3.17,3.17
20	358.0	354.7	341.8	332.5	326.2	327.7	340.3	353.2	10- 20	99.45	134.1	12.3,12.3
30	336.2	332.4	313.4	298.3	289.5	293.1	310.9	328.6	20- 30	151.5	285.6	26.1,26.1
40	303.2	299.0	274.3	253.3	242.8	247.7	270.8	292.2	30- 40	184.1	469.7	43,43
50	259.9	255.4	225.6	199.2	188.4	194.4	221.1	246.4	40- 50	192.4	662.1	60.6,60.6
60	207.2	202.9	168.5	138.9	130.7	135.8	162.8	190.9	50- 60	175.4	837.4	76.6,76.6
70	147.2	142.9	105.2	79.07	74.00	76.59	98.47	129.3	60- 70	135.6	973.1	89,89
80	83.74	79.70	40.46	28.04	23.67	24.47	32.98	64.85	70- 80	80.68	1054	96.4,96.4
90	33.92	29.67	0.2477	1.041	0.4548	0.4742	0.1161	19.17	80- 90	28.50	1082	99,99
100	15.98	6.486	0.2320	0.3189	0.1959	0.1885	0.1813	4.439	90-100	6.951	1089	99.7,99.7
110	3.774	0.3633	0.2535	0.3843	0.2827	0.2102	0.2465	0.2393	100-110	1.917	1091	99.8,99.8
120	0.3335	0.3698	0.3262	0.4567	0.3553	0.3259	0.3047	0.2681	110-120	0.4405	1092	99.9,99.9
130	0.3839	0.4278	0.4348	0.5074	0.4495	0.3624	0.3697	0.3262	120-130	0.3378	1092	99.9,99.9
140	0.4494	0.4784	0.4494	0.5509	0.5148	0.4349	0.4205	0.3841	130-140	0.3333	1092	99.9,99.9
150	0.4784	0.4784	0.4639	0.5654	0.5727	0.4567	0.4639	0.4494	140-150	0.2970	1093	100,100
160	0.5509	0.4784	0.5002	0.5654	0.5654	0.4639	0.5147	0.4567	150-160	0.2314	1093	100,100
170	0.4567	0.4712	0.4787	0.4712	0.5654	0.5216	0.5292	0.5218	160-170	0.1454	1093	100,100
180	0.4639	0.4784	0.4567	0.4639	0.5147	0.4784	0.4639	0.4784	170-180	0.0477	1093	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

$\gamma$  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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	63394	16317
80	48225	23300
75	44573	28116
70	43040	30746
65	42147	32497
60	41441	33695
55	40912	34525
50	40428	35097
45	39983	35529

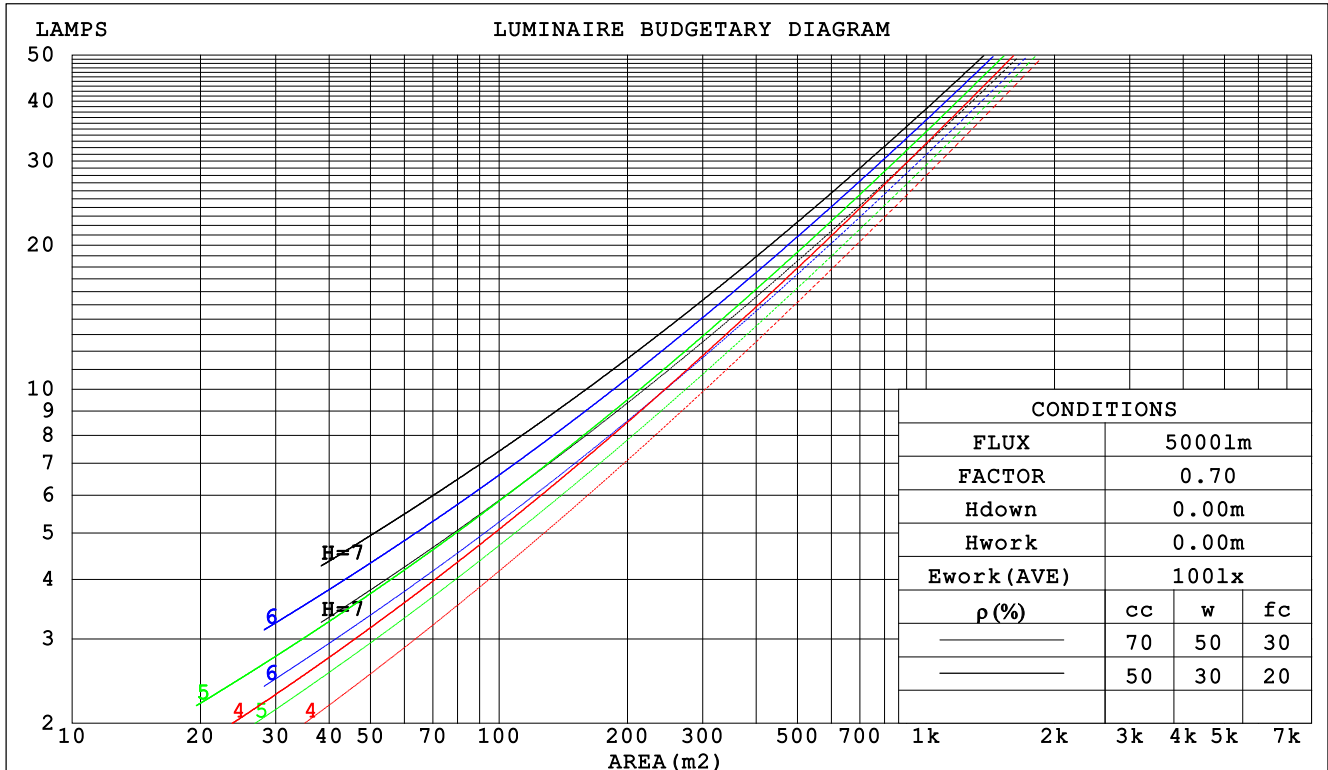
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24DEG  
Operators:SENPU  
Test Date:2022-02-28

$\gamma$  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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
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	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	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.69	.60	.54	.68	.60	.53	.65	.58	.52	.63	.57	.51	.61	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.36
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

$\gamma$  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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm					
NAME: YJ-VTC-RB-2835-24V-G01-65			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:2022030109
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	.320	.182	.058	.313	.178	.057	.299	.171	.055	.286	.165	.053	.274	.159	.051		
2.0	.298	.163	.050	.291	.161	.049	.279	.155	.048	.268	.150	.047	.257	.146	.046		
3.0	.274	.146	.044	.269	.144	.043	.258	.140	.042	.248	.136	.042	.238	.132	.041		
4.0	.252	.131	.039	.247	.129	.038	.238	.126	.038	.229	.123	.037	.220	.120	.036		
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.216	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.164	.079	.022	.162	.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	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.189	.164	.141	.161	.140	.121	.110	.097	.084	.064	.056	.049	.020	.018	.016	
2.0	.181	.139	.105	.155	.120	.091	.106	.083	.063	.061	.048	.037	.020	.016	.012	
3.0	.173	.122	.081	.148	.105	.070	.102	.073	.049	.059	.043	.029	.019	.014	.010	
4.0	.165	.109	.065	.142	.094	.057	.098	.065	.040	.056	.038	.024	.018	.012	.008	
5.0	.158	.098	.054	.136	.085	.047	.093	.059	.033	.054	.035	.020	.017	.011	.007	
6.0	.151	.090	.047	.129	.078	.041	.089	.055	.029	.052	.032	.017	.017	.010	.006	
7.0	.144	.083	.041	.124	.072	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005	
8.0	.137	.077	.036	.118	.067	.032	.082	.047	.022	.048	.028	.013	.015	.009	.004	
9.0	.131	.072	.033	.113	.063	.029	.078	.044	.020	.046	.026	.012	.015	.009	.004	
10.0	.125	.068	.030	.108	.059	.026	.075	.042	.019	.044	.025	.011	.014	.008	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm										
NAME: YJ-VTC-RB-2835-24V-G01-65					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:2022030109		
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	26.4	27.9	26.7	28.2	28.4	25.7	27.2	26.0	27.4	27.7
3H	28.4	29.8	28.7	30.0	30.3	27.3	28.7	27.6	28.9	29.2
4H	29.3	30.6	29.6	30.9	31.2	27.9	29.2	28.2	29.5	29.8
6H	30.1	31.3	30.4	31.6	31.9	28.3	29.6	28.6	29.8	30.1
8H	30.4	31.7	30.8	32.0	32.3	28.4	29.6	28.7	29.9	30.2
12H	30.8	32.0	31.2	32.3	32.6	28.4	29.6	28.8	29.9	30.3
4H 2H	27.1	28.4	27.4	28.7	29.0	26.5	27.9	26.9	28.2	28.4
3H	29.3	30.4	29.6	30.7	31.1	28.4	29.5	28.7	29.8	30.2
4H	30.3	31.4	30.7	31.7	32.1	29.1	30.2	29.5	30.5	30.9
6H	31.3	32.3	31.7	32.6	33.0	29.7	30.7	30.1	31.0	31.4
8H	31.8	32.7	32.2	33.1	33.5	29.9	30.8	30.3	31.2	31.6
12H	32.2	33.1	32.7	33.5	33.9	30.0	30.8	30.4	31.2	31.6
8H 4H	30.7	31.6	31.1	32.0	32.4	29.7	30.6	30.1	30.9	31.4
6H	31.9	32.6	32.4	33.1	33.5	30.5	31.2	30.9	31.7	32.1
8H	32.5	33.2	33.0	33.6	34.1	30.8	31.5	31.3	31.9	32.4
12H	33.2	33.7	33.6	34.2	34.7	31.0	31.6	31.5	32.1	32.6
12H 4H	30.7	31.5	31.1	31.9	32.4	29.8	30.6	30.2	31.0	31.4
6H	32.0	32.7	32.5	33.1	33.6	30.7	31.4	31.2	31.8	32.3
8H	32.7	33.3	33.2	33.7	34.2	31.1	31.7	31.6	32.1	32.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				

CIE Pub.117, 1093 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 0.3$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:

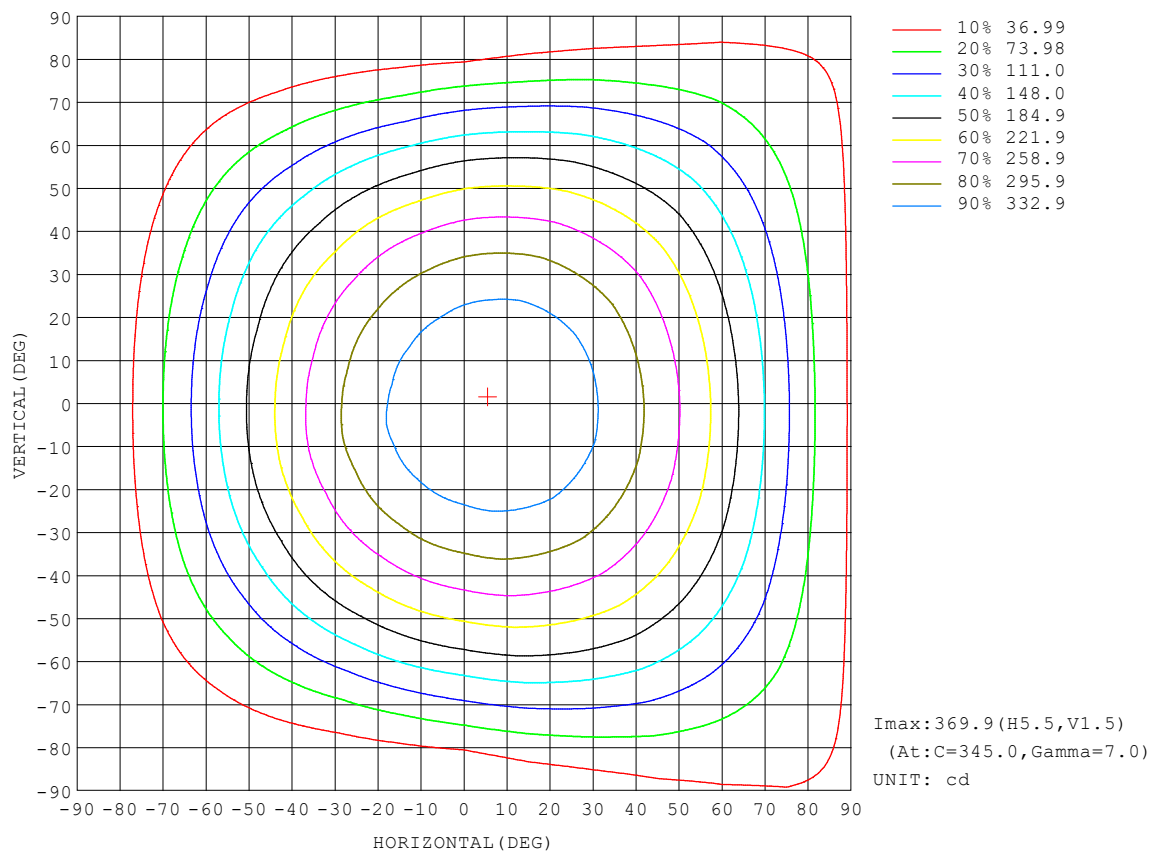
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	70	63	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	82	76	68
2.50	98	90	84	96	88	83	92	86	81	72
3.00	101	94	88	99	93	87	95	90	85	76
4.00	105	99	95	103	98	93	99	94	90	81
5.00	108	103	99	105	101	97	101	97	94	84
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: 24DEG  
 Operators: SENPU  
 Test Date: 2022-02-28

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:

## ISOCANDELA DIAGRAM

Test:U:24.000V I:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:



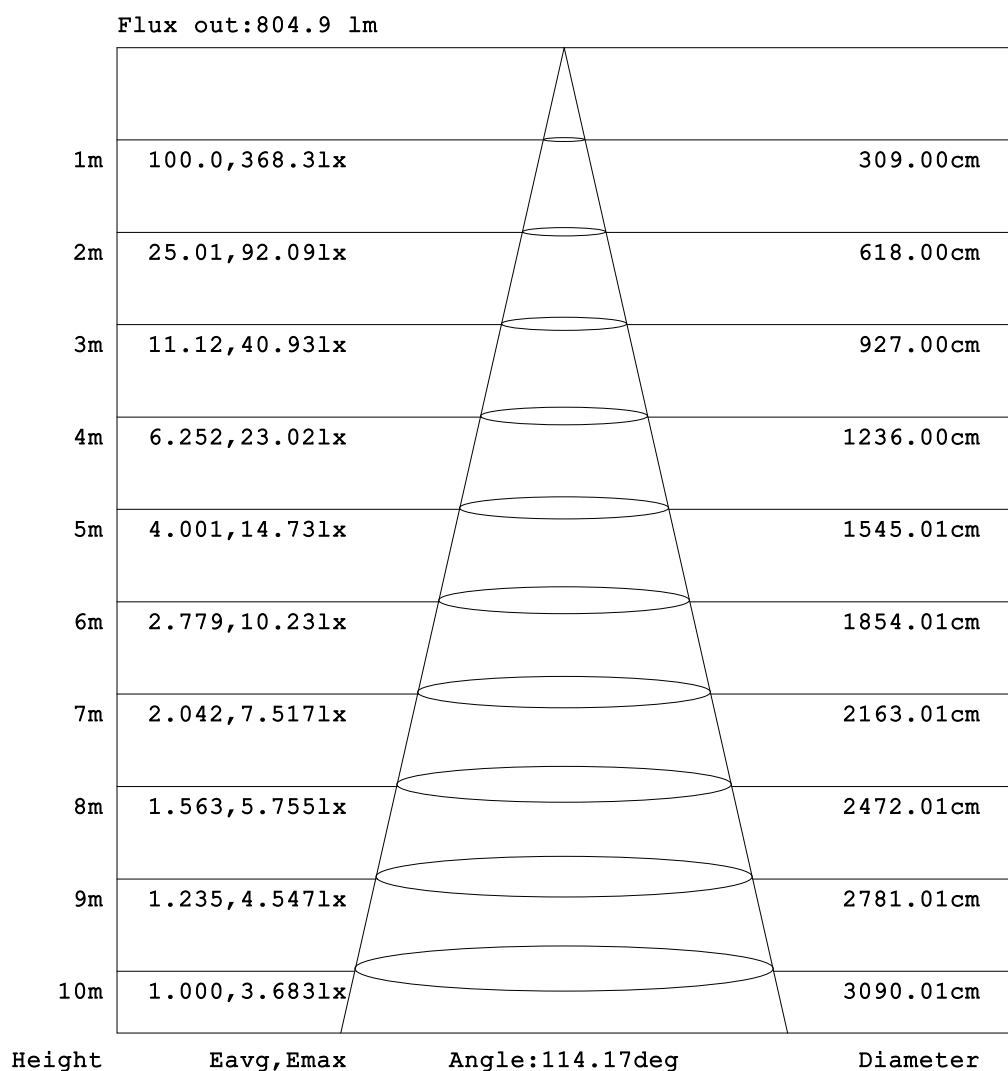
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24DEG  
Operators:SENPU  
Test Date:2022-02-28

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:



## AAI Figure

Test:U:24.000V I:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:



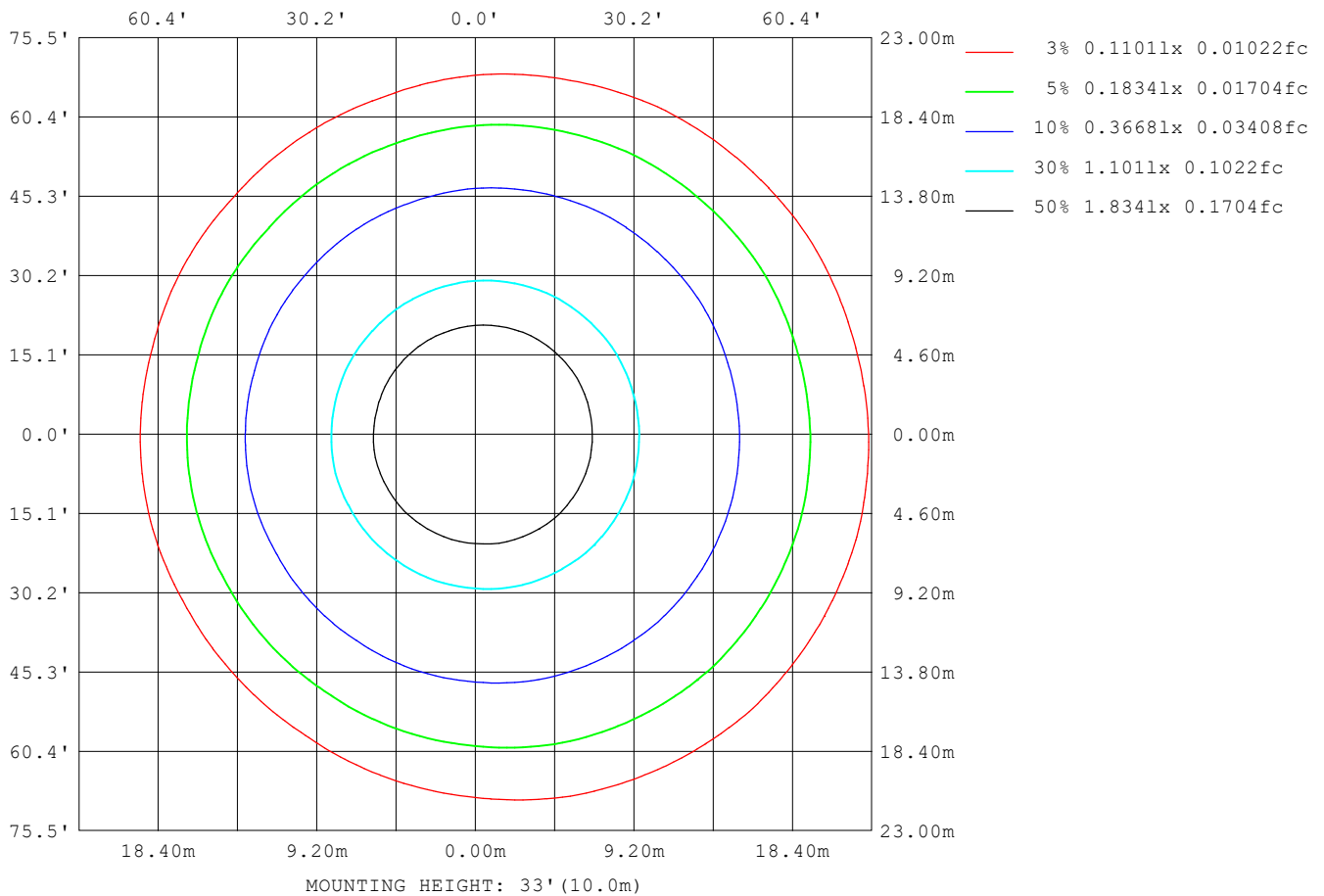
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

$\gamma$  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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:

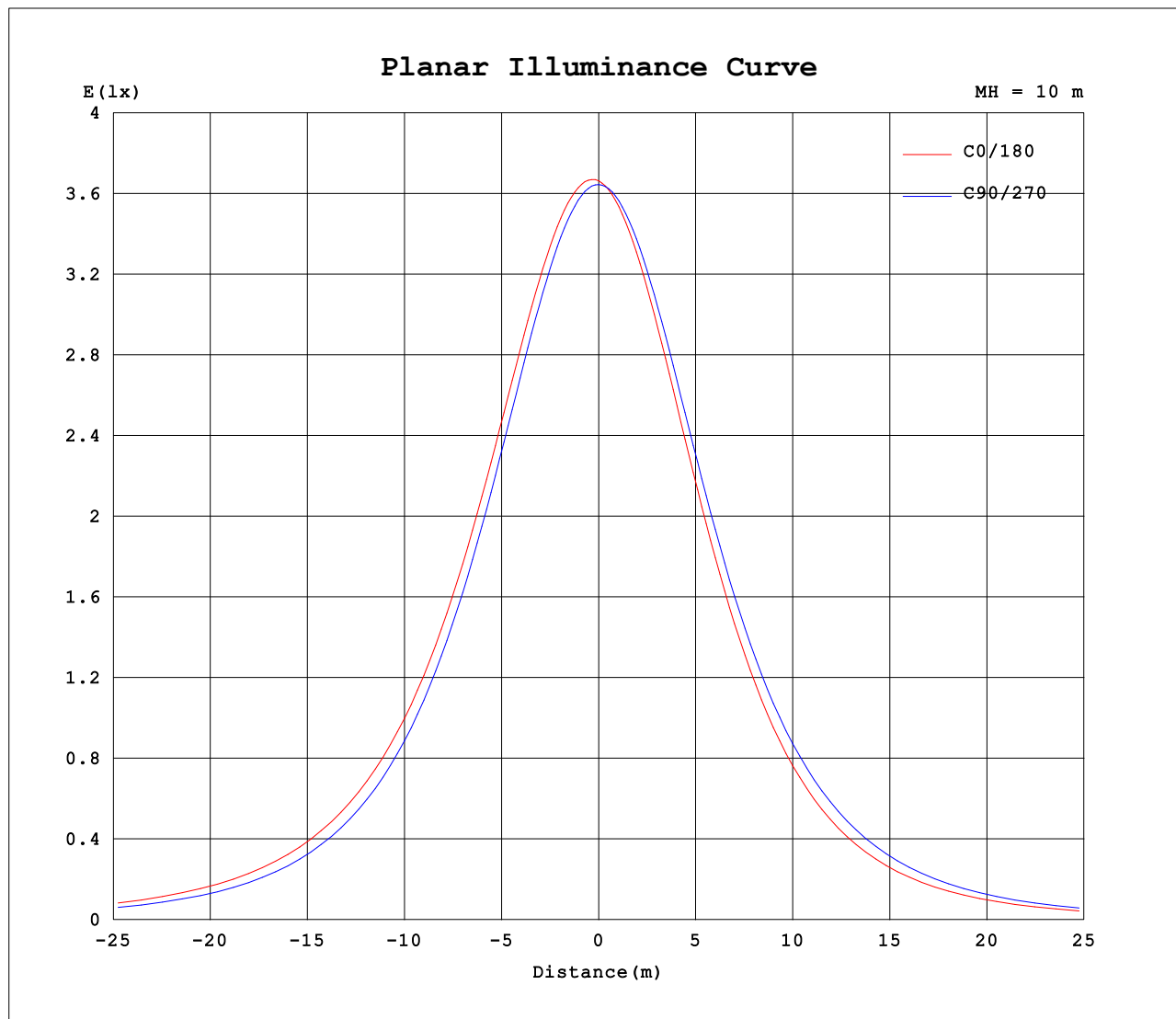
AvgL	cd/m2
L_0~180 (65) av	33155
L_0~180 (75) av	31420
L_0~180 (85) av	35358
L_90~270 (65) av	31753
L_90~270 (75) av	26636
L_90~270 (85) av	13146
L_45 (65) av	32452
L_45 (75) av	29781
L_45 (85) av	30327

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24DEG  
Operators:SENPU  
Test Date:2022-02-28

$\gamma$  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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24DEG  
Operators: SENPU  
Test Date: 2022-02-28

$\gamma$  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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
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	366	366	365	364	364	364	364	366	367	367	367	368	366	366	365	364	364	364	364
5	369	368	367	367	365	364	363	363	363	363	362	362	361	360	360	360	360	361	363
10	368	368	367	366	363	361	359	358	357	356	354	354	352	351	351	352	354	355	358
15	365	365	363	362	358	356	352	350	347	346	343	343	341	339	340	341	344	347	351
20	358	358	357	355	350	347	342	339	335	332	330	329	326	325	326	328	331	335	340
25	349	349	347	345	340	335	329	325	320	316	313	312	309	308	310	312	316	321	327
30	336	337	335	332	326	321	313	308	302	298	294	293	289	288	290	293	298	304	311
35	321	322	320	317	310	304	295	289	282	277	272	271	267	266	269	272	278	284	292
40	303	305	302	299	292	285	274	267	259	253	247	246	243	242	245	248	255	262	271
45	283	284	282	278	270	262	251	243	234	227	221	220	216	215	219	222	230	237	247
50	260	262	259	255	247	238	226	216	206	199	193	191	188	187	191	194	203	210	221
55	235	237	234	230	221	211	198	188	177	170	163	162	159	159	162	166	174	181	193
60	207	210	207	203	193	183	168	157	146	139	133	132	131	130	133	136	143	151	163
65	178	181	178	174	163	152	137	125	114	108	104	104	102	101	104	106	112	119	131
70	147	150	148	143	132	120	105	93.1	83.0	79.1	76.1	76.0	74.0	73.3	75.4	76.6	81.5	87.2	98.5
75	115	118	116	111	100	88.0	72.8	61.6	54.2	51.9	49.4	49.4	47.3	46.2	48.2	48.8	52.2	56.1	65.1
80	83.7	87.0	84.5	79.7	68.9	56.9	40.5	34.0	29.3	28.0	25.9	25.9	23.7	22.9	24.2	24.5	26.8	28.9	33.0
85	55.3	58.1	56.1	51.3	40.9	29.7	14.2	12.7	10.5	9.75	8.32	8.06	6.38	6.06	6.91	7.06	8.29	8.98	8.69
90	33.9	36.3	34.5	29.7	13.1	2.64	0.25	1.57	1.16	1.04	0.87	0.82	0.45	0.49	0.48	0.47	0.51	0.38	0.12
95	23.5	24.9	23.2	13.4	4.45	0.24	0.22	0.28	0.28	0.30	0.33	0.28	0.19	0.23	0.18	0.21	0.18	0.17	0.16
100	16.0	16.3	11.7	6.49	1.50	0.25	0.23	0.29	0.28	0.32	0.28	0.28	0.20	0.19	0.21	0.19	0.22	0.17	0.18
105	8.47	8.21	5.23	1.09	0.29	0.30	0.23	0.32	0.28	0.34	0.28	0.33	0.23	0.21	0.24	0.20	0.24	0.20	0.21
110	3.77	4.08	2.82	0.36	0.28	0.34	0.25	0.36	0.33	0.38	0.32	0.35	0.28	0.22	0.26	0.21	0.28	0.22	0.25
115	0.54	0.85	0.36	0.33	0.30	0.37	0.32	0.39	0.33	0.43	0.34	0.40	0.30	0.25	0.30	0.25	0.31	0.24	0.29
120	0.33	0.36	0.36	0.37	0.32	0.39	0.33	0.42	0.40	0.46	0.41	0.44	0.36	0.30	0.35	0.33	0.36	0.28	0.30
125	0.33	0.38	0.35	0.39	0.34	0.43	0.36	0.45	0.44	0.49	0.43	0.48	0.41	0.33	0.41	0.33	0.38	0.32	0.36
130	0.38	0.43	0.37	0.43	0.36	0.46	0.43	0.48	0.44	0.51	0.46	0.50	0.45	0.37	0.44	0.36	0.41	0.32	0.37
135	0.43	0.46	0.41	0.45	0.43	0.47	0.45	0.49	0.45	0.52	0.46	0.52	0.49	0.43	0.46	0.41	0.44	0.34	0.37
140	0.45	0.49	0.44	0.48	0.44	0.49	0.45	0.52	0.46	0.55	0.48	0.54	0.51	0.45	0.50	0.43	0.46	0.38	0.42
145	0.46	0.49	0.45	0.48	0.45	0.51	0.45	0.53	0.47	0.57	0.50	0.54	0.54	0.45	0.51	0.44	0.49	0.43	0.44
150	0.48	0.49	0.45	0.48	0.45	0.53	0.46	0.54	0.49	0.57	0.54	0.54	0.57	0.46	0.51	0.46	0.47	0.44	0.46
155	0.52	0.49	0.49	0.48	0.46	0.53	0.49	0.56	0.50	0.57	0.56	0.54	0.58	0.49	0.53	0.46	0.49	0.44	0.47
160	0.55	0.49	0.52	0.48	0.47	0.54	0.50	0.57	0.54	0.57	0.57	0.53	0.57	0.51	0.54	0.46	0.51	0.44	0.51
165	0.52	0.49	0.54	0.47	0.50	0.51	0.52	0.54	0.56	0.55	0.57	0.47	0.57	0.51	0.55	0.47	0.53	0.46	0.52
170	0.46	0.49	0.50	0.47	0.49	0.47	0.48	0.46	0.52	0.47	0.54	0.43	0.57	0.51	0.57	0.52	0.55	0.48	0.53
175	0.46	0.49	0.50	0.47	0.49	0.47	0.46	0.46	0.51	0.47	0.52	0.46	0.54	0.51	0.58	0.56	0.48	0.49	0.46
180	0.46	0.49	0.48	0.48	0.46	0.46	0.46	0.46	0.46	0.46	0.45	0.46	0.51	0.50	0.47	0.48	0.46	0.48	0.46

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24DEG  
Operators:SENPU  
Test Date:2022-02-28

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:0.7860A P:18.864W PF:1.0000 Freq:0Hz Lamp Flux:1092.94x1 lm		
NAME: YJ-VTC-RB-2835-24V-G01-65	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030109
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	366	367	367	367	368													
5	365	367	368	369	370													
10	361	364	366	368	369													
15	354	359	361	364	365													
20	345	350	353	357	358													
25	332	338	342	346	348													
30	317	324	329	333	335													
35	299	307	312	317	319													
40	279	287	292	298	301													
45	255	265	270	277	280													
50	230	240	246	254	256													
55	202	213	220	227	231													
60	173	184	191	199	203													
65	141	153	161	170	173													
70	109	121	129	138	142													
75	75.8	87.9	96.5	105	110													
80	45.4	56.3	64.8	73.8	78.2													
85	19.8	29.4	37.7	45.8	50.3													
90	4.73	12.1	19.2	26.3	30.3													
95	0.71	5.03	11.1	17.1	20.7													
100	0.18	1.16	4.44	9.88	13.1													
105	0.19	0.20	1.35	3.85	5.63													
110	0.21	0.23	0.24	1.11	2.08													
115	0.22	0.28	0.24	0.27	0.32													
120	0.25	0.30	0.27	0.31	0.28													
125	0.33	0.36	0.33	0.36	0.33													
130	0.33	0.38	0.33	0.38	0.33													
135	0.33	0.40	0.34	0.43	0.35													
140	0.35	0.41	0.38	0.46	0.39													
145	0.43	0.44	0.41	0.48	0.44													
150	0.44	0.46	0.45	0.51	0.46													
155	0.45	0.49	0.46	0.51	0.50													
160	0.45	0.51	0.46	0.51	0.57													
165	0.47	0.52	0.47	0.51	0.57													
170	0.49	0.52	0.52	0.51	0.57													
175	0.49	0.46	0.53	0.48	0.54													
180	0.47	0.46	0.48	0.48	0.48													

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:SENPU  
 Test Date:2022-02-28

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: