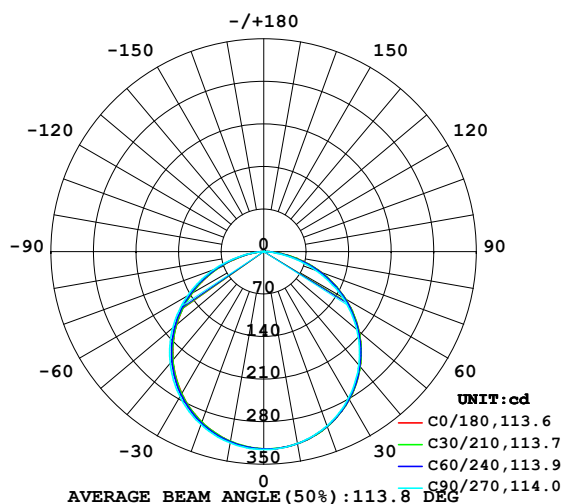


LUMINAIRE PHOTOMETRIC TEST REPORT

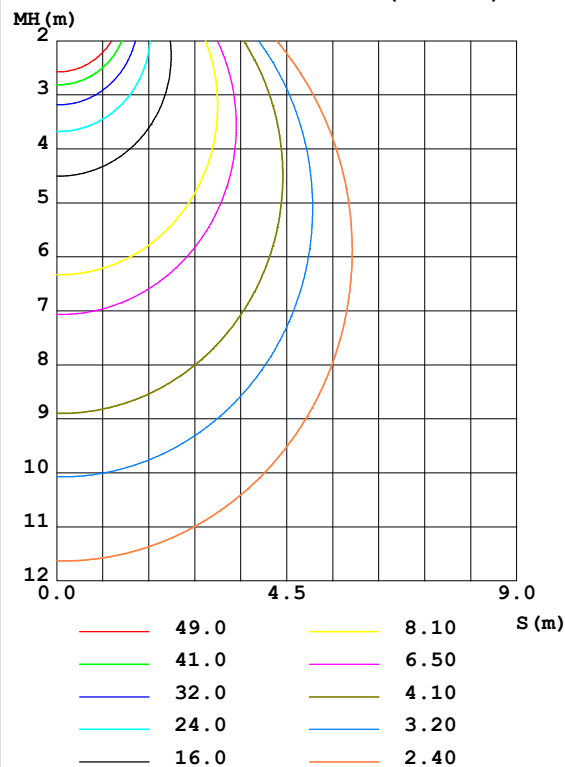
Test:U:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.28 lm/W			
MODEL	V120-12-27F58	I _{max} (cd)	325.6	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	938.58	η UP,DN(C0-180)	0.1,50.8
NOMINAL FLUX(lm)	938.577	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.0
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	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:22DEG
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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

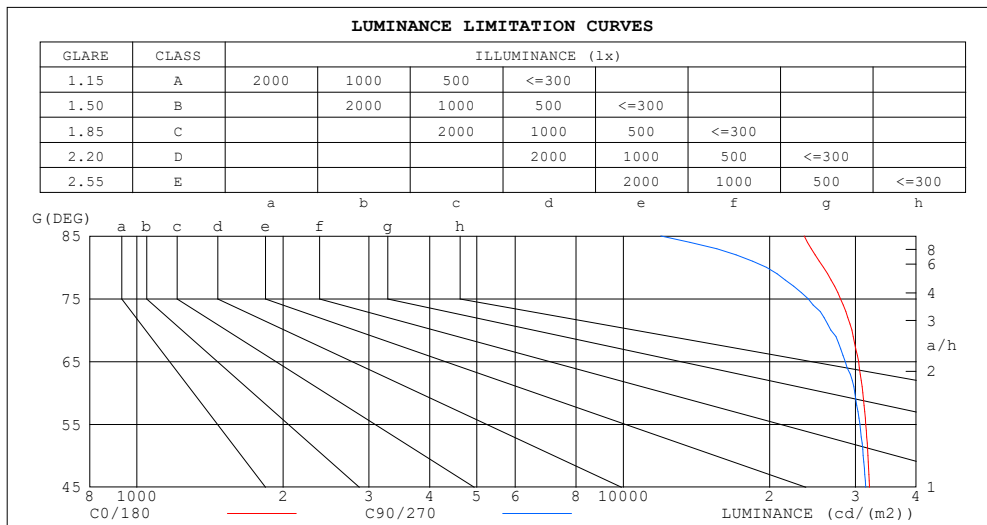
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	321.0	321.1	320.6	318.6	317.0	316.9	319.5	319.9	0- 10	30.75	30.75	3.28,3.28
20	306.3	306.7	304.9	301.7	298.4	298.6	302.7	303.8	10- 20	88.18	118.9	12.7,12.7
30	281.3	281.8	278.9	274.8	269.9	270.1	275.8	277.8	20- 30	134.0	252.9	27,27
40	247.1	247.5	243.6	238.6	232.5	233.1	239.7	242.4	30- 40	162.4	415.3	44.2,44.2
50	204.7	205.0	200.2	194.2	187.2	188.1	195.4	199.1	40- 50	169.3	584.6	62.3,62.3
60	155.5	155.7	149.7	143.2	135.6	136.5	144.3	149.2	50- 60	153.9	738.5	78.7,78.7
70	100.9	100.7	91.40	87.05	79.23	80.10	88.01	93.71	60- 70	117.2	855.7	91.2,91.2
80	44.79	43.79	34.21	31.70	25.67	26.37	29.99	37.83	70- 80	65.18	920.9	98.1,98.1
90	4.285	4.054	0.1742	0.6135	0.1952	0.3721	0.0871	2.142	80- 90	15.75	936.7	99.8,99.8
100	0.1886	0.1885	0.1595	0.2103	0.1522	0.1595	0.1451	0.1740	90-100	0.4185	937.1	99.8,99.8
110	0.1957	0.2465	0.2175	0.2755	0.2104	0.1667	0.2030	0.1667	100-110	0.1991	937.3	99.9,99.9
120	0.2318	0.2973	0.2391	0.3263	0.2755	0.2247	0.2465	0.2320	110-120	0.2325	937.5	99.9,99.9
130	0.3190	0.3408	0.3406	0.3770	0.3333	0.2392	0.2972	0.3116	120-130	0.2560	937.8	99.9,99.9
140	0.3479	0.3843	0.3407	0.3988	0.3843	0.3335	0.3480	0.3334	130-140	0.2560	938.0	99.9,99.9
150	0.4349	0.4059	0.3551	0.4204	0.4349	0.3335	0.3770	0.3480	140-150	0.2285	938.2	100,100
160	0.4422	0.4129	0.4493	0.4493	0.4567	0.3552	0.4059	0.3480	150-160	0.1798	938.4	100,100
170	0.3335	0.3770	0.3843	0.3697	0.4567	0.3914	0.4278	0.3770	160-170	0.1137	938.5	100,100
180	0.4494	0.4277	0.3770	0.3697	0.4494	0.4132	0.3697	0.4059	170-180	0.0379	938.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 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:

LUMINANCE LIMITATION CURVES

Test:U:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23542	11957
80	25794	19703
75	27968	24003
70	29509	26723
65	30459	28595
60	31100	29948
55	31532	30649
50	31853	31148
45	32076	31515

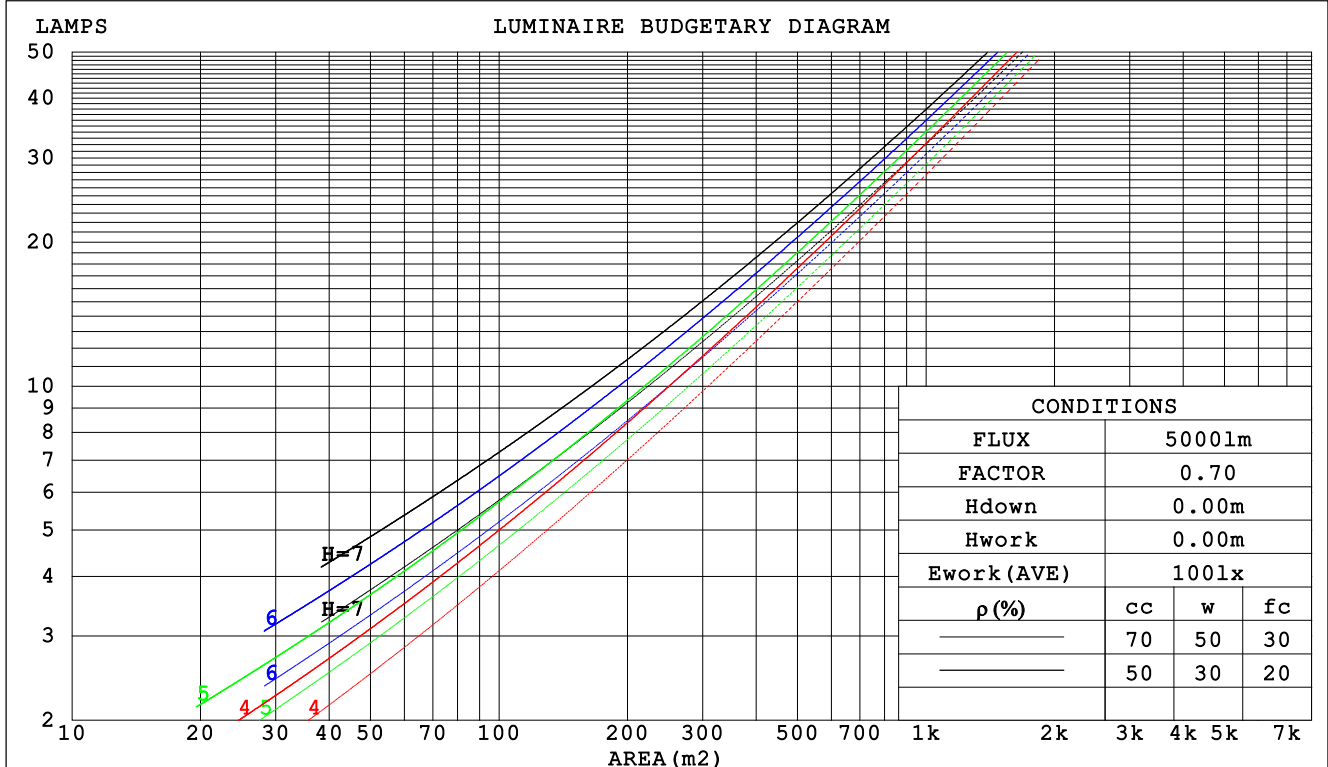
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:SENPU
Test Date:2022-02-28

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
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	.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	.61	.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	.44	.37	.32	.43	.36	.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:22DEG
 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:

WEC AND CCEC

Test:U:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm					
NAME: YJ-VTC-RB-2835X-12V-G01-27			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:2022022804
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	.056	.301	.172	.055	.288	.165	.053	.275	.159	.051	.264	.153	.049	
2.0	.291	.160	.049	.285	.157	.048	.273	.152	.047	.262	.147	.046	.252	.143	.045	
3.0	.270	.144	.043	.264	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.109	.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	.157	.080	.023	
10.0	.164	.079	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.158	.136	.156	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.133	.100	.149	.115	.086	.102	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.116	.076	.142	.100	.066	.098	.069	.046	.056	.041	.027	.018	.013	.009	
4.0	.158	.103	.060	.136	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.049	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.082	.047	.021	.047	.028	.013	.015	.009	.004	
8.0	.131	.071	.030	.112	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.107	.057	.023	.074	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 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:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm										
NAME: YJ-VTC-RB-2835X-12V-G01-27					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:2022022804		
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	25.1	26.6	25.4	26.8	27.0	25.0	26.5	25.3	26.7	26.9
3H	26.8	28.2	27.1	28.4	28.6	26.5	27.9	26.8	28.1	28.4
4H	27.4	28.8	27.8	29.0	29.3	27.0	28.4	27.4	28.6	28.9
6H	27.9	29.2	28.3	29.5	29.8	27.4	28.7	27.7	28.9	29.2
8H	28.1	29.3	28.5	29.6	29.9	27.5	28.7	27.8	29.0	29.3
12H	28.2	29.4	28.6	29.7	30.0	27.5	28.7	27.9	29.0	29.3
4H 2H	25.7	27.1	26.1	27.3	27.6	25.7	27.0	26.0	27.2	27.5
3H	27.6	28.8	27.9	29.1	29.4	27.4	28.5	27.7	28.8	29.1
4H	28.4	29.5	28.8	29.8	30.1	28.1	29.1	28.4	29.4	29.8
6H	29.0	30.0	29.4	30.3	30.7	28.5	29.5	28.9	29.8	30.2
8H	29.3	30.2	29.7	30.5	30.9	28.7	29.6	29.1	29.9	30.3
12H	29.4	30.2	29.9	30.6	31.0	28.7	29.5	29.2	29.9	30.3
8H 4H	28.7	29.6	29.1	29.9	30.3	28.4	29.3	28.8	29.6	30.0
6H	29.5	30.2	29.9	30.6	31.1	29.0	29.7	29.5	30.2	30.6
8H	29.8	30.5	30.3	30.9	31.3	29.2	29.9	29.7	30.3	30.8
12H	30.1	30.6	30.5	31.1	31.6	29.3	29.9	29.8	30.4	30.8
12H 4H	28.7	29.5	29.1	29.9	30.3	28.4	29.2	28.8	29.6	30.0
6H	29.5	30.2	30.0	30.6	31.1	29.1	29.7	29.6	30.2	30.6
8H	29.9	30.5	30.4	30.9	31.4	29.3	29.9	29.8	30.4	30.8
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 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 938.6 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.2$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 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:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:

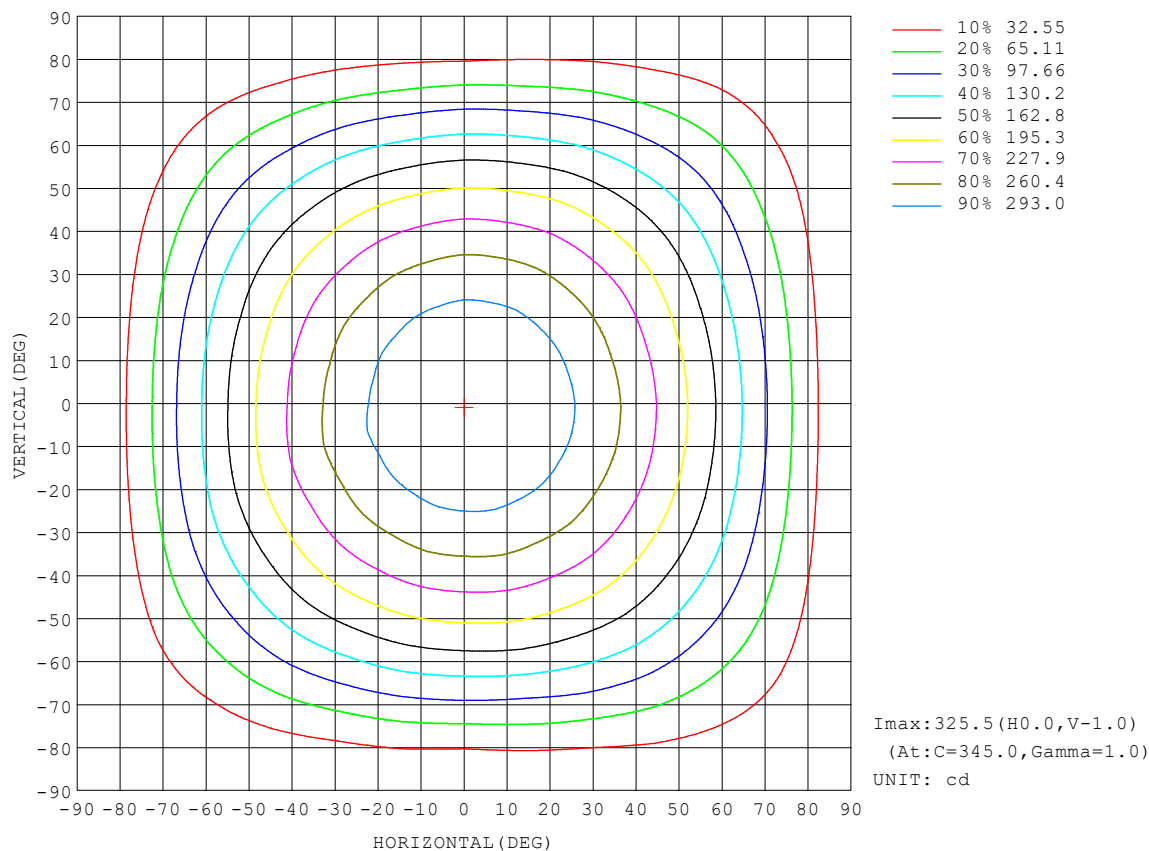
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	69	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	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: 22DEG
 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:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:

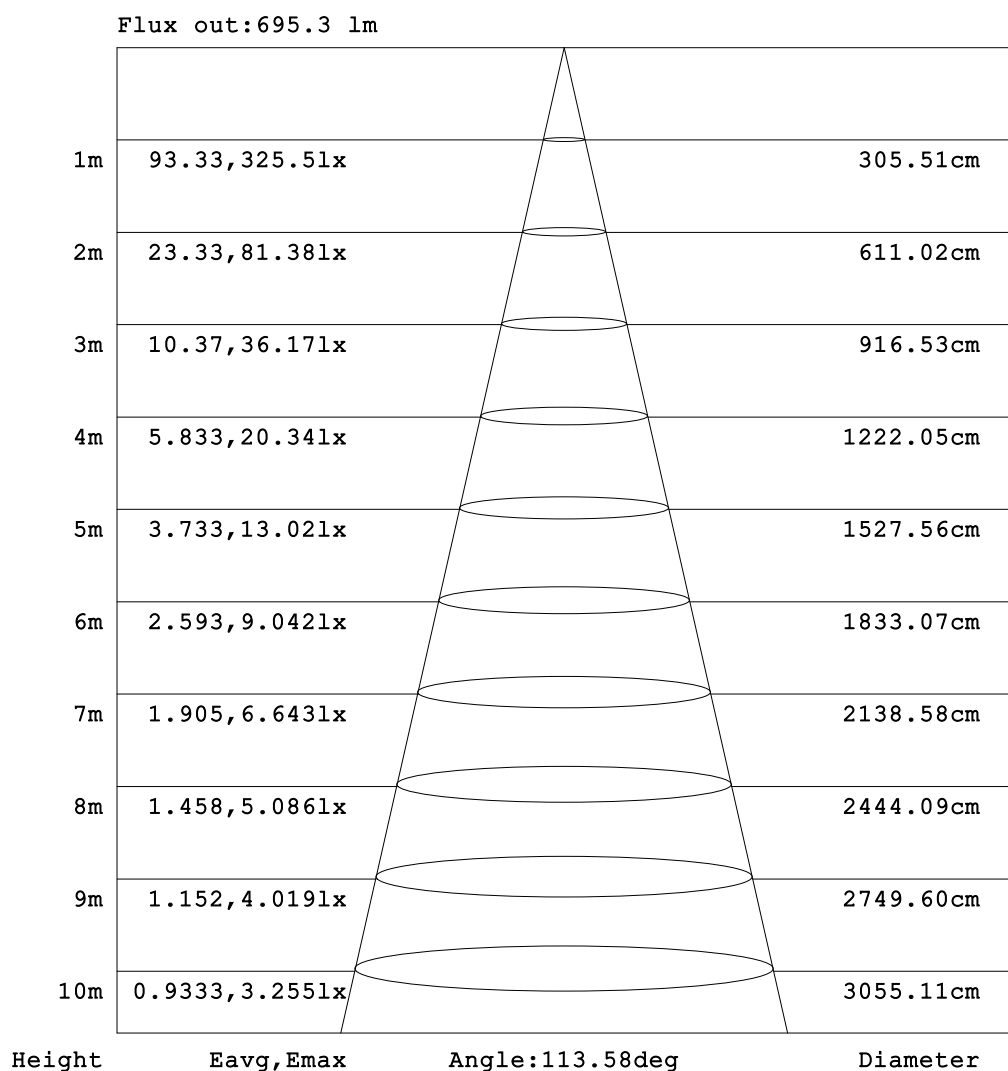


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:SENPU
Test Date:2022-02-28

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:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:



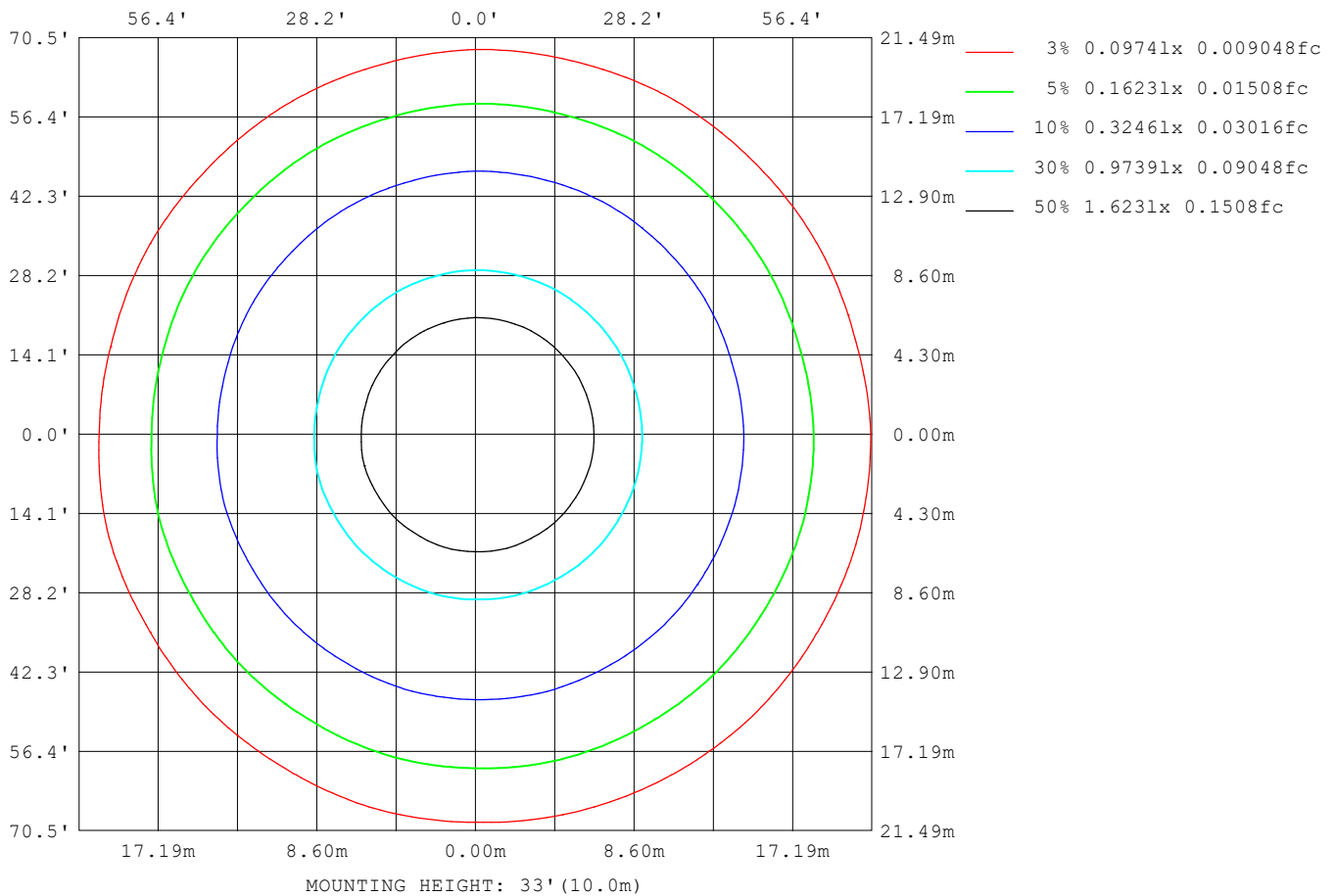
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 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:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 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:

LED Avg.L Report

Test:U:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:

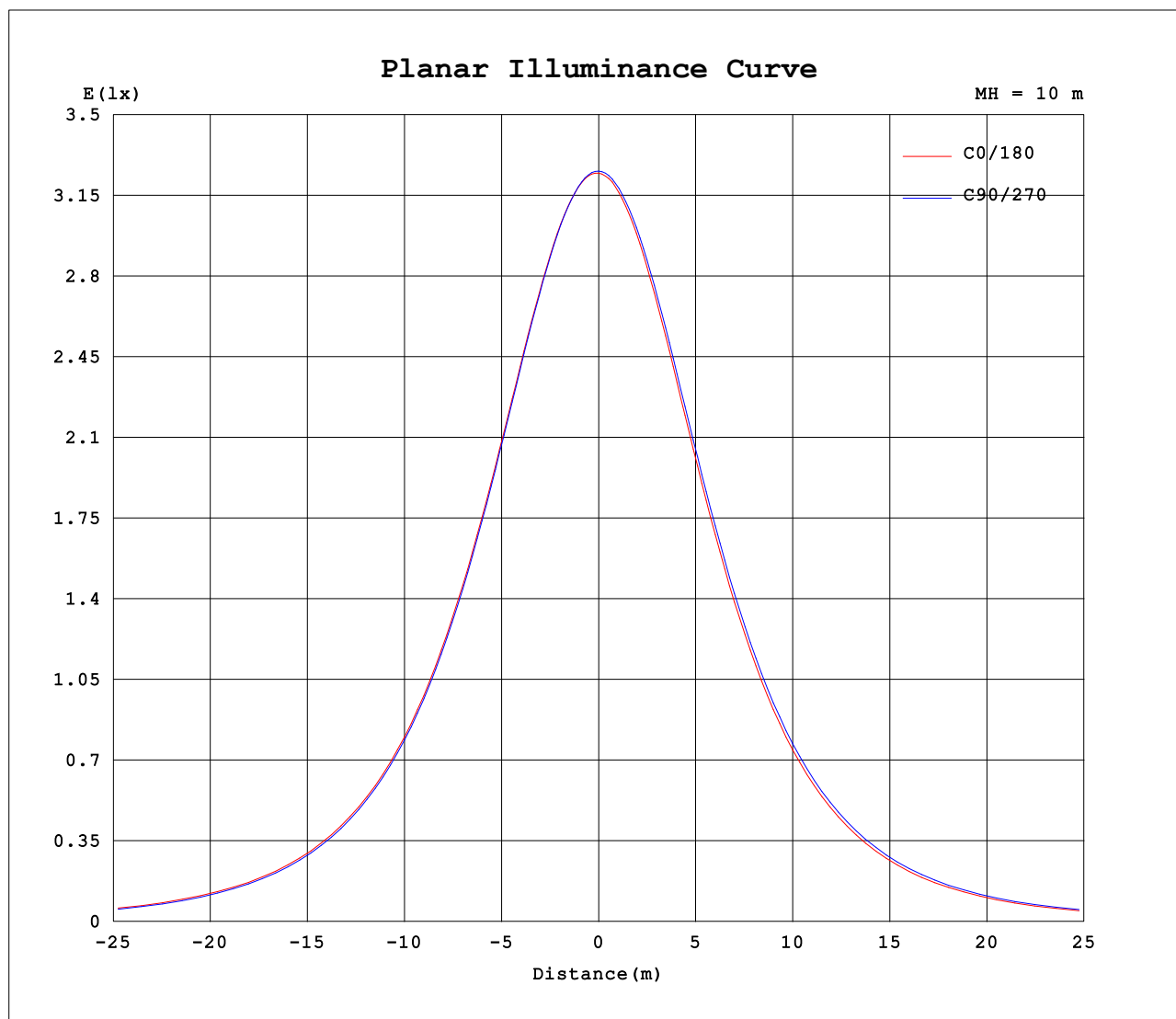
AvgL	cd/m2
L_0~180 (65) av	27972
L_0~180 (75) av	23856
L_0~180 (85) av	15738
L_90~270 (65) av	28090
L_90~270 (75) av	23448
L_90~270 (85) av	10048
L_45 (65) av	28088
L_45 (75) av	23915
L_45 (85) av	15241

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22DEG
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:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
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	325	324	324	325	325	325	326	325	325	325	324	326	325	324	324	325	325	325	326
5	324	324	324	324	324	325	325	324	323	323	322	324	322	322	322	322	323	323	324
10	321	321	321	321	321	321	321	320	319	319	318	319	317	316	317	317	318	319	320
15	315	315	315	315	315	315	314	314	312	312	310	311	309	308	309	309	310	311	312
20	306	307	306	307	306	306	305	304	302	302	300	301	298	297	298	299	300	301	303
25	295	295	295	295	294	295	293	292	290	289	287	288	285	284	285	286	287	288	290
30	281	282	281	282	281	281	279	278	276	275	272	273	270	269	270	270	272	273	276
35	265	266	265	266	264	265	262	262	259	258	255	256	252	251	253	253	255	256	259
40	247	248	247	248	246	246	244	243	240	239	236	237	232	231	233	233	236	237	240
45	227	228	227	227	226	225	223	222	218	217	215	215	211	209	211	211	214	215	218
50	205	206	205	205	203	203	200	199	196	194	191	192	187	186	188	188	191	192	195
55	181	182	181	181	179	179	176	174	171	169	167	167	162	161	163	163	166	167	171
60	155	156	155	156	154	153	150	148	145	143	140	140	136	135	136	136	139	141	144
65	129	130	129	129	127	124	121	120	117	115	113	113	108	106	108	109	111	113	117
70	101	102	101	101	98.3	93.2	91.4	91.1	88.3	87.0	84.2	84.2	79.2	78.1	79.8	80.1	83.0	84.4	88.0
75	72.4	73.5	72.2	72.2	69.1	65.9	62.1	62.5	59.2	58.3	55.7	55.7	51.1	50.1	51.6	51.9	54.5	55.9	59.2
80	44.8	46.0	44.5	43.8	39.4	38.4	34.2	35.7	32.6	31.7	29.5	29.6	25.7	25.0	26.2	26.4	28.5	29.6	30.0
85	20.5	21.6	20.4	19.9	16.1	14.5	10.4	13.2	11.2	10.7	9.18	9.37	6.91	6.54	7.32	7.38	8.47	8.70	7.09
90	4.29	4.76	4.38	4.05	2.06	1.25	0.17	0.41	0.58	0.61	0.49	0.51	0.20	0.27	0.27	0.37	0.43	0.38	0.09
95	0.36	0.48	0.37	0.20	0.20	0.17	0.16	0.19	0.19	0.19	0.20	0.19	0.14	0.16	0.15	0.17	0.14	0.15	0.12
100	0.19	0.19	0.19	0.19	0.17	0.19	0.16	0.20	0.18	0.21	0.20	0.20	0.15	0.15	0.17	0.16	0.17	0.14	0.15
105	0.20	0.20	0.20	0.22	0.17	0.22	0.17	0.24	0.20	0.24	0.20	0.24	0.18	0.14	0.20	0.16	0.18	0.14	0.18
110	0.20	0.24	0.22	0.25	0.20	0.25	0.22	0.26	0.21	0.28	0.21	0.28	0.21	0.16	0.22	0.17	0.22	0.14	0.20
115	0.21	0.28	0.22	0.26	0.22	0.28	0.22	0.28	0.23	0.30	0.23	0.30	0.25	0.22	0.24	0.21	0.24	0.22	0.23
120	0.23	0.30	0.22	0.30	0.24	0.30	0.24	0.32	0.27	0.33	0.25	0.32	0.28	0.21	0.28	0.22	0.27	0.22	0.25
125	0.27	0.31	0.29	0.30	0.26	0.32	0.30	0.34	0.33	0.35	0.34	0.34	0.30	0.28	0.29	0.24	0.29	0.22	0.27
130	0.32	0.33	0.30	0.34	0.30	0.34	0.34	0.36	0.33	0.38	0.34	0.36	0.33	0.33	0.31	0.24	0.30	0.23	0.30
135	0.33	0.38	0.32	0.36	0.32	0.36	0.34	0.38	0.34	0.40	0.34	0.38	0.32	0.33	0.34	0.28	0.33	0.25	0.33
140	0.35	0.39	0.32	0.38	0.32	0.38	0.34	0.39	0.34	0.40	0.34	0.41	0.38	0.36	0.36	0.33	0.35	0.30	0.35
145	0.41	0.41	0.33	0.39	0.32	0.39	0.34	0.41	0.34	0.41	0.35	0.42	0.40	0.35	0.38	0.33	0.37	0.33	0.36
150	0.43	0.41	0.35	0.41	0.34	0.39	0.36	0.42	0.36	0.42	0.36	0.43	0.43	0.35	0.39	0.33	0.38	0.33	0.38
155	0.45	0.41	0.36	0.42	0.36	0.41	0.36	0.43	0.36	0.43	0.38	0.43	0.45	0.37	0.41	0.35	0.40	0.33	0.39
160	0.44	0.38	0.36	0.41	0.38	0.43	0.45	0.44	0.43	0.45	0.44	0.43	0.46	0.41	0.42	0.36	0.40	0.34	0.41
165	0.40	0.38	0.37	0.38	0.39	0.38	0.44	0.41	0.41	0.41	0.45	0.38	0.46	0.41	0.43	0.37	0.43	0.36	0.42
170	0.33	0.40	0.37	0.38	0.38	0.38	0.38	0.37	0.39	0.37	0.40	0.36	0.46	0.41	0.44	0.39	0.43	0.38	0.43
175	0.33	0.40	0.37	0.38	0.38	0.38	0.38	0.38	0.39	0.37	0.38	0.36	0.46	0.42	0.45	0.43	0.44	0.41	0.38
180	0.45	0.43	0.37	0.43	0.37	0.38	0.38	0.38	0.38	0.37	0.38	0.38	0.45	0.43	0.41	0.41	0.39	0.41	0.37

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
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:12.000V I:1.4150A P:16.980W PF:1.0000 Freq:0Hz Lamp Flux:938.577x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-27	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022804
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	325	325	325	324	326														
5	324	324	324	324	325														
10	320	320	320	320	321														
15	313	313	313	314	314														
20	303	304	304	304	305														
25	291	292	292	293	293														
30	276	278	278	279	279														
35	259	261	261	262	263														
40	240	242	242	244	244														
45	219	222	222	223	224														
50	196	199	199	201	201														
55	172	175	175	177	177														
60	146	149	149	151	152														
65	118	121	122	124	124														
70	89.6	92.8	93.7	96.2	96.5														
75	60.9	64.2	65.2	67.6	68.0														
80	33.7	36.9	37.8	40.3	40.6														
85	11.7	14.2	15.1	17.0	17.1														
90	0.65	1.67	2.14	2.85	2.94														
95	0.15	0.14	0.23	0.16	0.24														
100	0.15	0.15	0.17	0.14	0.17														
105	0.15	0.19	0.17	0.18	0.16														
110	0.17	0.22	0.17	0.20	0.16														
115	0.21	0.25	0.23	0.23	0.18														
120	0.22	0.26	0.23	0.26	0.21														
125	0.22	0.27	0.23	0.28	0.22														
130	0.24	0.30	0.31	0.30	0.24														
135	0.26	0.33	0.32	0.32	0.27														
140	0.27	0.33	0.33	0.35	0.34														
145	0.31	0.36	0.35	0.37	0.33														
150	0.33	0.37	0.35	0.38	0.34														
155	0.33	0.38	0.35	0.40	0.36														
160	0.33	0.40	0.35	0.41	0.39														
165	0.36	0.41	0.36	0.43	0.42														
170	0.43	0.41	0.38	0.41	0.43														
175	0.42	0.40	0.39	0.41	0.42														
180	0.38	0.38	0.41	0.38	0.39														

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