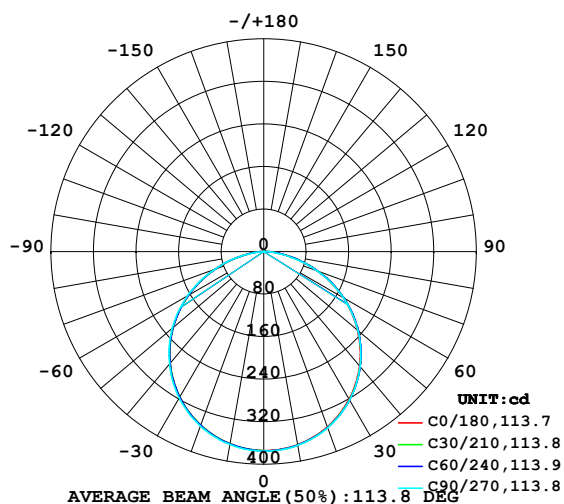


LUMINAIRE PHOTOMETRIC TEST REPORT

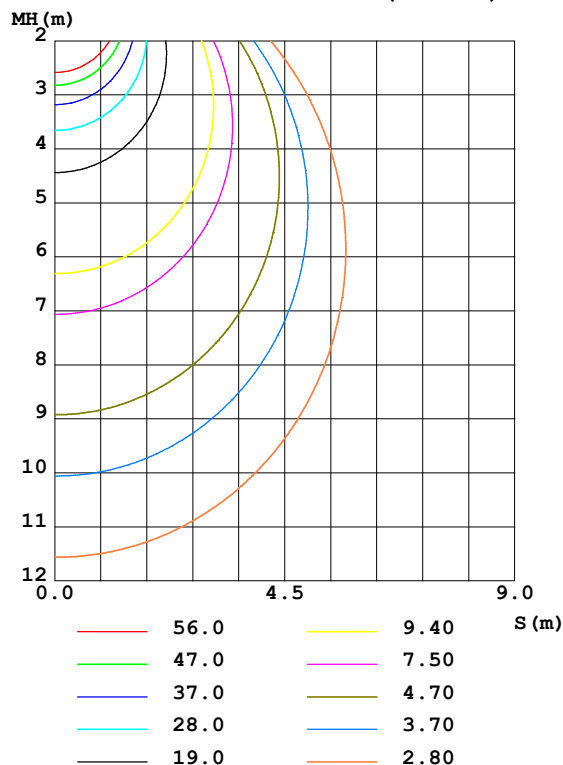
Test:U:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.93 lm/W			
MODEL	V120-12-50L	Imax(cd)	376.4	S/MH(C0/180)	1.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	1082.9	η UP,DN(C0-180)	0.1,50.8
NOMINAL FLUX(lm)	1082.91	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: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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

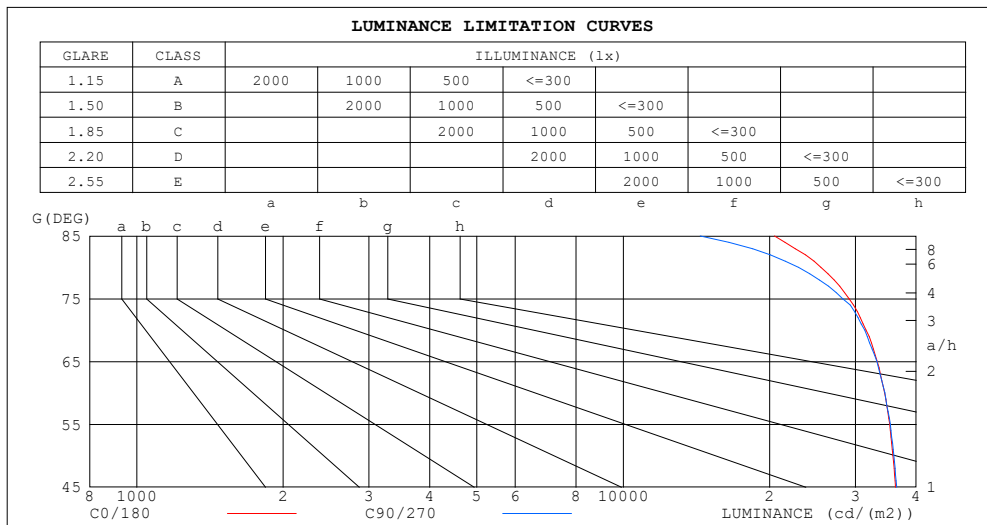
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	368.8	369.5	370.0	370.2	367.0	366.5	368.3	369.4	0- 10	35.50	35.50	3.28,3.28
20	350.7	352.3	352.2	351.9	347.4	346.3	349.0	350.0	10- 20	101.9	137.4	12.7,12.7
30	321.0	323.4	322.6	321.9	316.1	315.2	318.0	319.1	20- 30	155.0	292.4	27,27
40	280.5	283.3	282.0	280.7	274.1	272.4	276.0	277.4	30- 40	187.9	480.3	44.4,44.4
50	230.5	233.4	231.5	229.6	222.9	221.1	224.6	226.1	40- 50	195.9	676.2	62.4,62.4
60	172.3	175.5	172.4	170.1	163.1	160.6	164.6	167.0	50- 60	177.6	853.8	78.8,78.8
70	108.0	110.9	107.3	104.4	97.96	95.88	99.20	101.7	60- 70	134.5	988.3	91.3,91.3
80	44.28	47.22	39.83	40.78	34.82	34.32	33.54	38.66	70- 80	74.53	1063	98.1,98.1
90	2.642	2.881	0.2178	1.372	0.8724	0.7602	0.1088	1.321	80- 90	17.79	1081	99.8,99.8
100	0.2685	0.2392	0.2101	0.2538	0.1739	0.1522	0.1523	0.1958	90-100	0.4076	1081	99.8,99.8
110	0.2610	0.2900	0.2391	0.3263	0.2392	0.2028	0.2392	0.2175	100-110	0.2442	1081	99.9,99.9
120	0.3190	0.3625	0.3335	0.3915	0.3046	0.2463	0.2900	0.2899	110-120	0.2862	1082	99.9,99.9
130	0.4347	0.4350	0.3696	0.4568	0.4060	0.3406	0.3699	0.3335	120-130	0.3163	1082	99.9,99.9
140	0.4711	0.4858	0.4495	0.4858	0.4714	0.3841	0.4277	0.3841	130-140	0.3205	1082	99.9,99.9
150	0.5146	0.4929	0.4494	0.5364	0.5219	0.4639	0.4639	0.4349	140-150	0.2867	1082	100,100
160	0.5654	0.4929	0.5000	0.5292	0.5654	0.4639	0.4712	0.4494	150-160	0.2239	1083	100,100
170	0.4422	0.4712	0.4858	0.4639	0.5653	0.5506	0.4712	0.4712	160-170	0.1400	1083	100,100
180	0.4639	0.4639	0.4639	0.4639	0.5219	0.4857	0.4567	0.4712	170-180	0.0466	1083	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

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:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	20451	14405
80	25501	22936
75	29108	28234
70	31565	31358
65	33292	33218
60	34457	34484
55	35279	35381
50	35862	36013
45	36295	36475

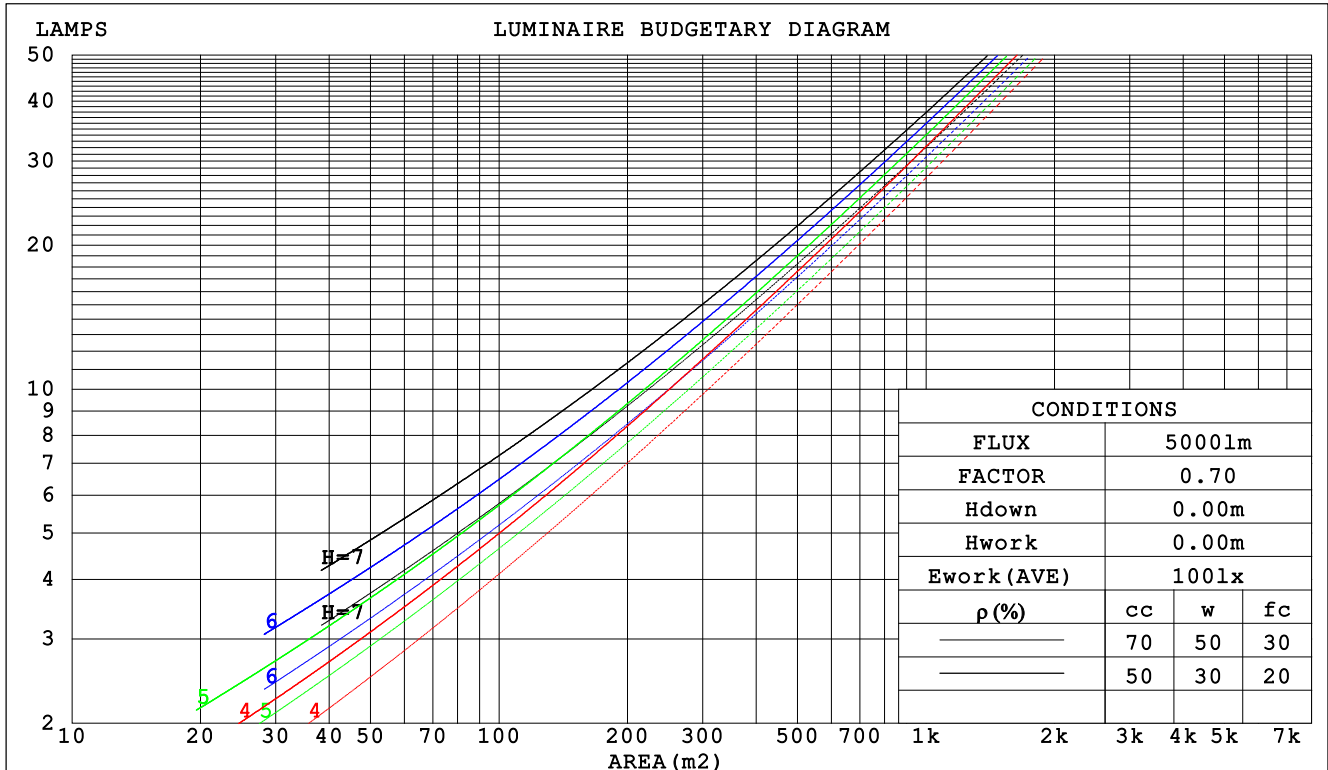
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24DEG
Operators:SENPU
Test Date:2022-02-28

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
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	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
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	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
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: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:

WEC AND CCEC

Test:U:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm					
NAME: YJ-VTC-RB-2835X-12V-G01-50			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:2022030106
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	.307	.175	.055	.300	.171	.054	.287	.165	.053	.275	.158	.051	.263	.153	.049		
2.0	.291	.159	.049	.284	.157	.048	.273	.152	.047	.262	.147	.046	.252	.142	.045		
3.0	.270	.143	.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	.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	.031	.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	.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	.135	.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	.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	.036	.085	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.081	.047	.022	.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: 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:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm										
NAME: YJ-VTC-RB-2835X-12V-G01-50					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:2022030106		
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	25.4	26.9	25.7	27.1	27.3	25.4	26.9	25.7	27.1	27.4
3H	27.0	28.4	27.3	28.6	28.8	27.0	28.4	27.3	28.6	28.8
4H	27.6	28.9	27.9	29.2	29.4	27.6	28.9	27.9	29.1	29.4
6H	28.0	29.3	28.3	29.5	29.8	27.9	29.2	28.3	29.5	29.8
8H	28.1	29.3	28.5	29.6	29.9	28.0	29.2	28.4	29.5	29.8
12H	28.2	29.4	28.5	29.6	30.0	28.0	29.2	28.4	29.5	29.8
4H 2H	26.0	27.4	26.4	27.6	27.9	26.1	27.4	26.4	27.6	27.9
3H	27.8	29.0	28.1	29.3	29.6	27.8	28.9	28.1	29.2	29.6
4H	28.5	29.6	28.9	29.9	30.3	28.5	29.6	28.9	29.9	30.2
6H	29.1	30.0	29.5	30.4	30.7	29.0	30.0	29.4	30.3	30.7
8H	29.2	30.1	29.7	30.5	30.9	29.2	30.0	29.6	30.4	30.8
12H	29.4	30.2	29.8	30.6	31.0	29.2	30.0	29.7	30.4	30.8
8H 4H	28.8	29.7	29.2	30.1	30.4	28.8	29.7	29.2	30.0	30.4
6H	29.5	30.2	29.9	30.6	31.1	29.4	30.2	29.9	30.6	31.0
8H	29.8	30.4	30.2	30.8	31.3	29.7	30.3	30.1	30.8	31.2
12H	29.9	30.5	30.4	31.0	31.4	29.8	30.4	30.3	30.8	31.3
12H 4H	28.8	29.6	29.2	30.0	30.4	28.8	29.6	29.2	30.0	30.4
6H	29.6	30.2	30.0	30.6	31.1	29.5	30.2	30.0	30.6	31.0
8H	29.9	30.4	30.3	30.9	31.3	29.8	30.3	30.3	30.8	31.3
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 / - 0.4				

CIE Pub.117, 1083 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:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
MFR.:	SUR.:	Shielding Angle:

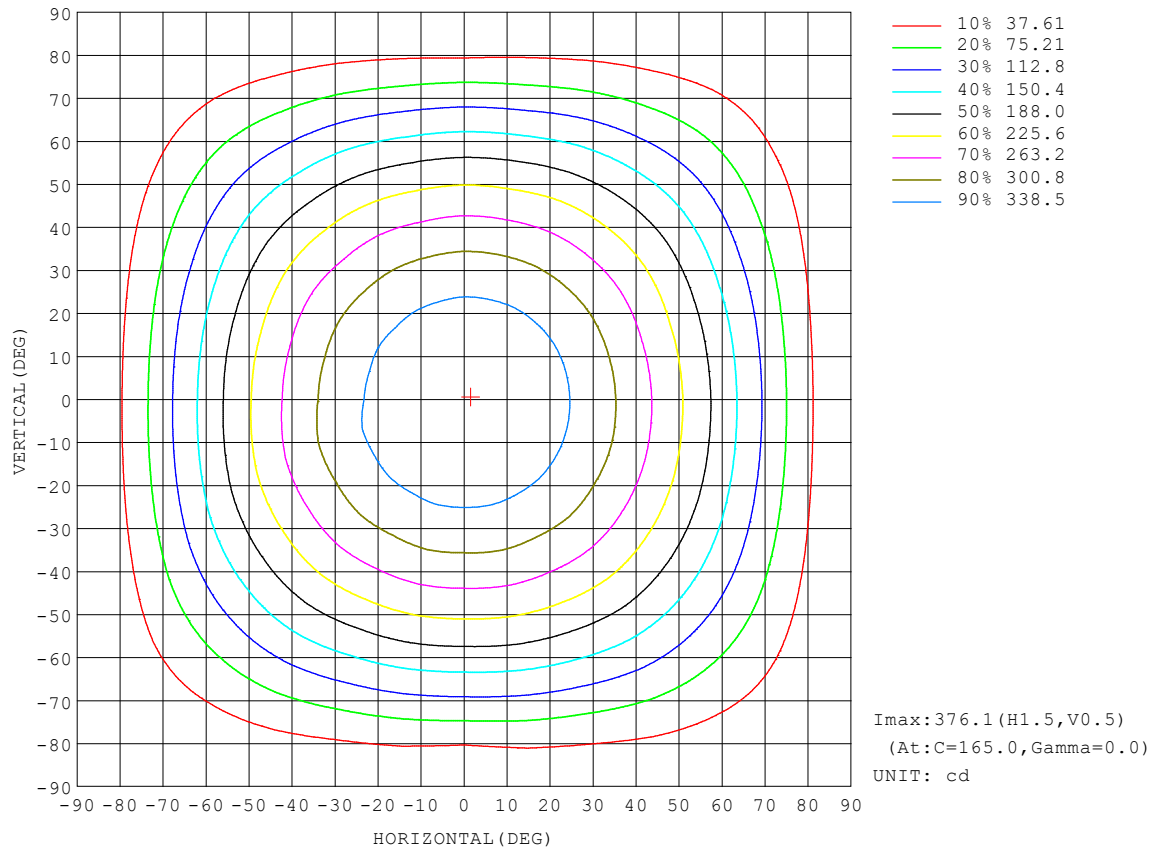
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	73	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: 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:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
MFR.:	SUR.:	Shielding Angle:

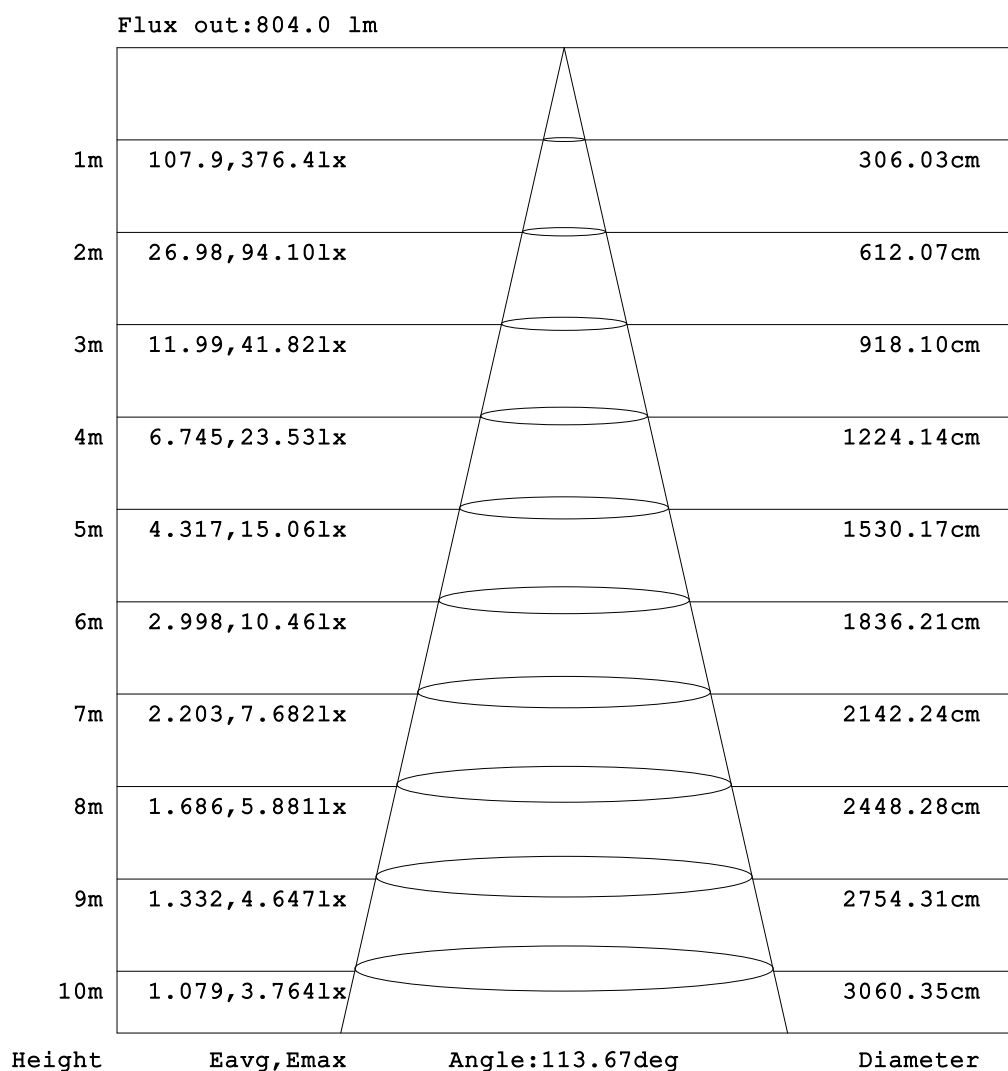


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24DEG
Operators:SENPU
Test Date:2022-02-28

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:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
MFR.:	SUR.:	Shielding Angle:



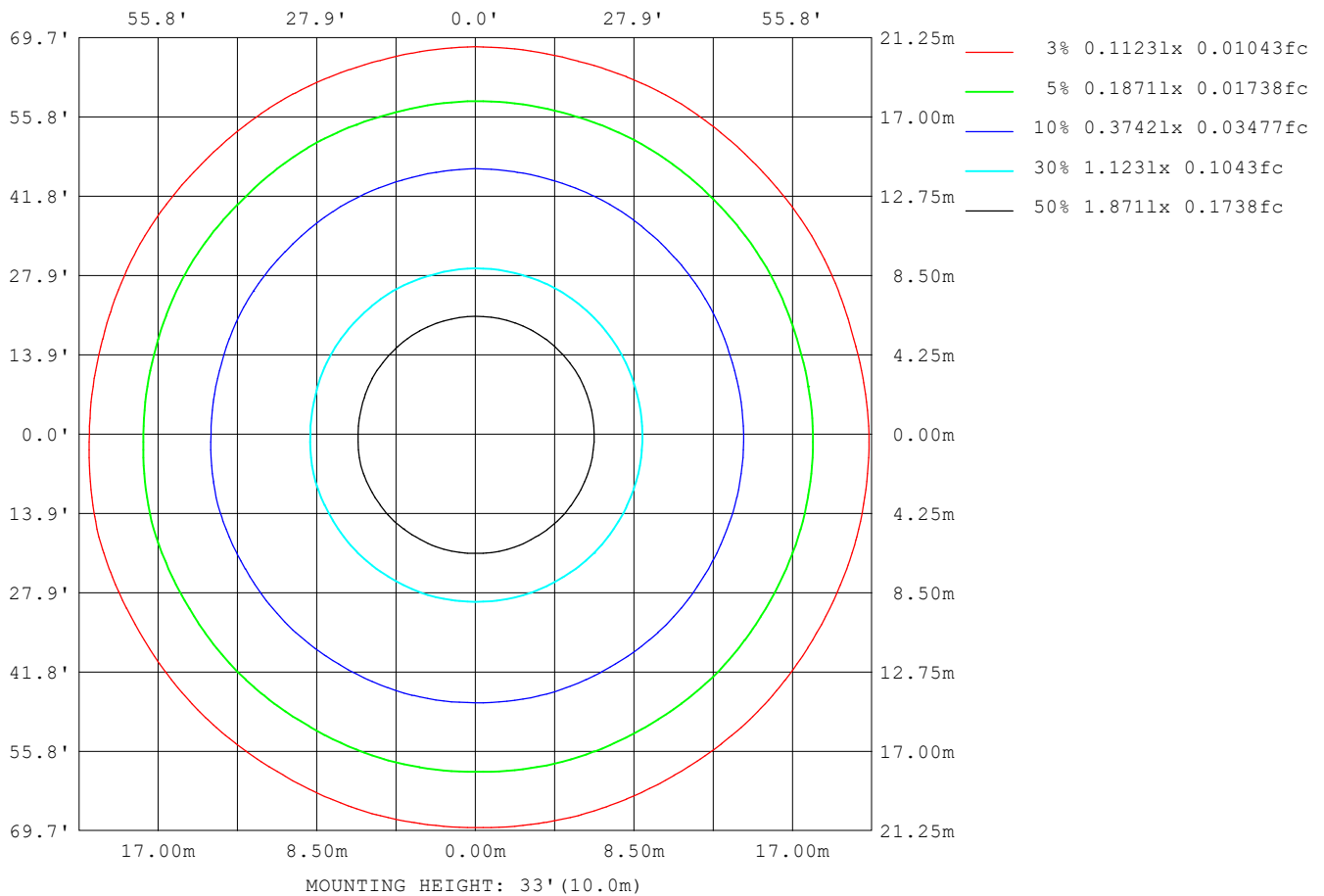
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
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:

LED Avg.L Report

Test:U:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
MFR.:	SUR.:	Shielding Angle:

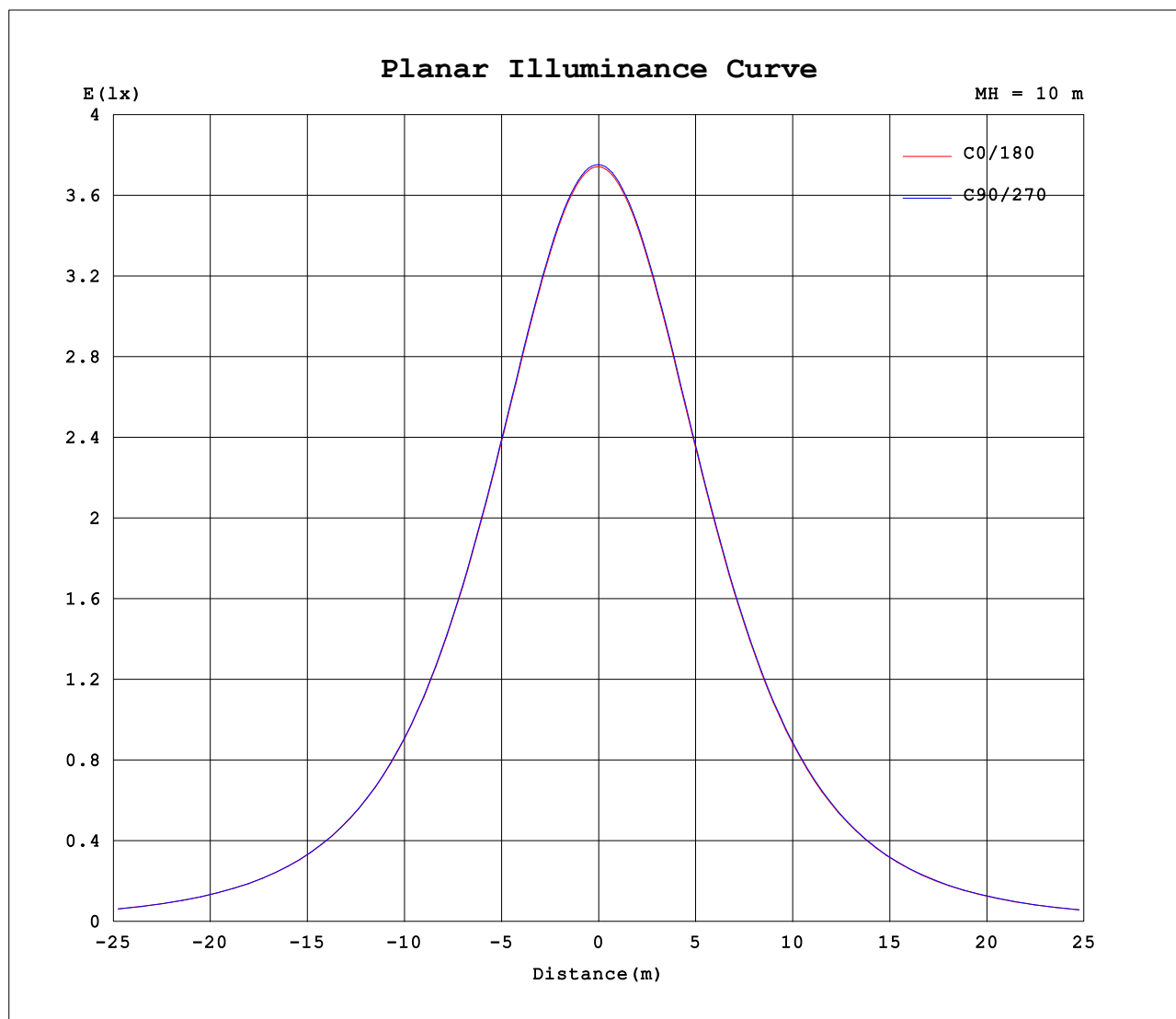
AvgL	cd/m2
L_0~180 (65) av	32148
L_0~180 (75) av	27172
L_0~180 (85) av	16269
L_90~270 (65) av	32267
L_90~270 (75) av	26985
L_90~270 (85) av	11417
L_45 (65) av	32230
L_45 (75) av	27187
L_45 (85) av	17026

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

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: 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:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
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	374	374	374	374	374	375	375	376	375	376	376	376	374	374	374	374	374	375	375
5	373	373	373	373	373	374	374	375	374	375	374	375	372	372	372	372	372	373	373
10	369	369	369	369	369	370	370	370	370	370	369	370	367	366	367	366	367	368	368
15	361	362	362	362	362	363	363	363	362	363	361	362	359	358	359	358	359	359	360
20	351	351	352	352	352	353	352	353	351	352	350	351	347	346	347	346	348	348	349
25	337	338	338	339	339	339	339	339	338	338	337	337	333	332	333	332	333	334	335
30	321	322	322	323	323	324	323	323	321	322	320	321	316	315	316	315	316	317	318
35	302	304	303	305	304	305	304	304	302	303	301	302	297	295	296	295	297	296	298
40	281	282	282	283	282	284	282	282	280	281	279	279	274	273	274	272	274	274	276
45	257	258	258	260	259	260	258	258	256	256	254	255	250	248	249	247	250	249	251
50	231	232	232	233	233	233	231	232	229	230	227	228	223	221	222	221	223	222	225
55	202	204	204	205	204	205	203	203	201	201	199	199	194	192	193	192	194	193	196
60	172	174	174	175	174	174	172	172	170	170	168	169	163	162	162	161	163	162	165
65	141	143	142	144	142	142	140	140	138	138	136	136	131	129	130	129	131	130	132
70	108	110	110	111	109	109	107	107	104	104	102	103	98.0	96.5	97.3	95.9	97.4	96.9	99.2
75	75.3	77.1	76.8	77.9	76.4	76.4	73.1	73.8	71.3	71.2	69.4	70.1	65.3	64.0	64.7	63.6	65.1	64.7	66.6
80	44.3	46.1	45.8	47.2	45.4	45.6	39.8	43.1	40.9	40.8	38.9	39.3	34.8	34.0	34.9	34.3	35.4	34.9	33.5
85	17.8	19.4	19.4	19.9	18.7	18.9	12.6	16.4	15.1	15.2	13.7	13.7	10.5	10.1	11.0	10.6	11.2	10.6	7.35
90	2.64	3.27	3.42	2.88	2.17	1.52	0.22	1.27	1.29	1.37	1.23	1.42	0.87	0.75	0.87	0.76	0.86	0.39	0.11
95	0.41	0.40	0.39	0.25	0.25	0.22	0.20	0.22	0.25	0.25	0.34	0.27	0.16	0.21	0.17	0.17	0.15	0.13	0.13
100	0.27	0.26	0.28	0.24	0.23	0.22	0.21	0.25	0.25	0.25	0.25	0.27	0.17	0.16	0.17	0.15	0.17	0.13	0.15
105	0.26	0.28	0.29	0.26	0.23	0.28	0.22	0.28	0.25	0.30	0.25	0.29	0.20	0.17	0.20	0.15	0.20	0.19	0.18
110	0.26	0.31	0.33	0.29	0.24	0.30	0.24	0.32	0.25	0.33	0.26	0.33	0.24	0.20	0.24	0.20	0.23	0.21	0.24
115	0.30	0.33	0.33	0.33	0.33	0.33	0.32	0.34	0.31	0.36	0.32	0.36	0.28	0.22	0.28	0.22	0.27	0.22	0.27
120	0.32	0.36	0.33	0.36	0.33	0.37	0.33	0.38	0.33	0.39	0.33	0.40	0.30	0.28	0.31	0.25	0.31	0.22	0.29
125	0.36	0.41	0.36	0.38	0.33	0.38	0.33	0.41	0.35	0.42	0.38	0.43	0.38	0.34	0.36	0.32	0.33	0.25	0.33
130	0.43	0.43	0.43	0.44	0.36	0.41	0.37	0.43	0.41	0.46	0.40	0.47	0.41	0.34	0.40	0.34	0.38	0.33	0.37
135	0.46	0.47	0.44	0.46	0.38	0.44	0.43	0.45	0.43	0.49	0.44	0.50	0.45	0.35	0.42	0.34	0.41	0.33	0.40
140	0.47	0.49	0.44	0.49	0.43	0.46	0.45	0.48	0.44	0.49	0.46	0.51	0.47	0.38	0.46	0.38	0.43	0.36	0.43
145	0.50	0.49	0.46	0.49	0.46	0.47	0.45	0.49	0.44	0.51	0.46	0.52	0.51	0.44	0.48	0.43	0.45	0.37	0.45
150	0.51	0.49	0.46	0.49	0.46	0.47	0.45	0.49	0.47	0.54	0.49	0.52	0.52	0.44	0.49	0.46	0.46	0.41	0.46
155	0.56	0.49	0.48	0.49	0.46	0.47	0.48	0.49	0.46	0.53	0.52	0.52	0.53	0.46	0.50	0.46	0.48	0.45	0.48
160	0.57	0.49	0.49	0.49	0.46	0.47	0.50	0.49	0.51	0.53	0.54	0.50	0.57	0.48	0.52	0.46	0.50	0.45	0.47
165	0.52	0.49	0.49	0.47	0.47	0.46	0.51	0.49	0.55	0.51	0.54	0.46	0.57	0.48	0.54	0.46	0.50	0.46	0.47
170	0.44	0.49	0.49	0.47	0.47	0.46	0.49	0.46	0.50	0.46	0.51	0.44	0.57	0.48	0.57	0.55	0.49	0.49	0.47
175	0.43	0.49	0.49	0.47	0.46	0.46	0.48	0.46	0.49	0.46	0.51	0.46	0.56	0.49	0.57	0.55	0.46	0.52	0.46
180	0.46	0.49	0.49	0.46	0.46	0.46	0.46	0.46	0.45	0.46	0.46	0.48	0.52	0.49	0.49	0.49	0.46	0.49	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:12.000V I:1.4810A P:17.772W PF:1.0000 Freq:0Hz Lamp Flux:1082.91x1 lm		
NAME: YJ-VTC-RB-2835X-12V-G01-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030106
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	376	375	376	376	376														
5	374	374	374	374	375														
10	369	369	369	369	370														
15	360	361	361	362	362														
20	349	350	350	351	351														
25	335	336	336	337	337														
30	318	319	319	320	320														
35	298	300	300	300	301														
40	276	277	277	279	279														
45	251	253	253	254	254														
50	224	226	226	228	227														
55	195	197	197	199	199														
60	165	167	167	169	169														
65	132	135	134	137	136														
70	99.2	101	102	104	104														
75	66.2	68.6	68.8	70.7	70.7														
80	36.3	38.5	38.7	40.2	39.9														
85	11.8	13.4	13.7	14.9	14.5														
90	0.56	1.10	1.32	1.64	1.69														
95	0.15	0.17	0.22	0.22	0.28														
100	0.15	0.19	0.20	0.20	0.21														
105	0.16	0.22	0.20	0.23	0.22														
110	0.20	0.25	0.22	0.26	0.22														
115	0.22	0.28	0.22	0.28	0.22														
120	0.25	0.31	0.29	0.32	0.29														
125	0.25	0.34	0.31	0.37	0.32														
130	0.33	0.38	0.33	0.40	0.34														
135	0.32	0.40	0.36	0.40	0.38														
140	0.34	0.41	0.38	0.46	0.43														
145	0.37	0.45	0.42	0.47	0.43														
150	0.38	0.46	0.43	0.48	0.44														
155	0.46	0.48	0.45	0.51	0.47														
160	0.46	0.49	0.45	0.52	0.49														
165	0.46	0.49	0.46	0.54	0.51														
170	0.47	0.49	0.47	0.54	0.51														
175	0.49	0.47	0.51	0.47	0.52														
180	0.44	0.46	0.47	0.46	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: