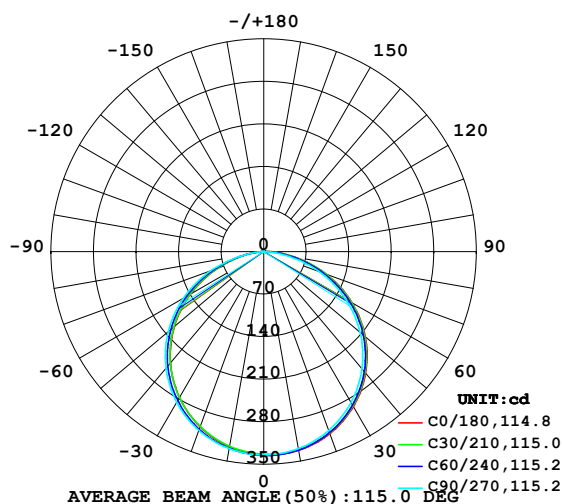


LUMINAIRE PHOTOMETRIC TEST REPORT

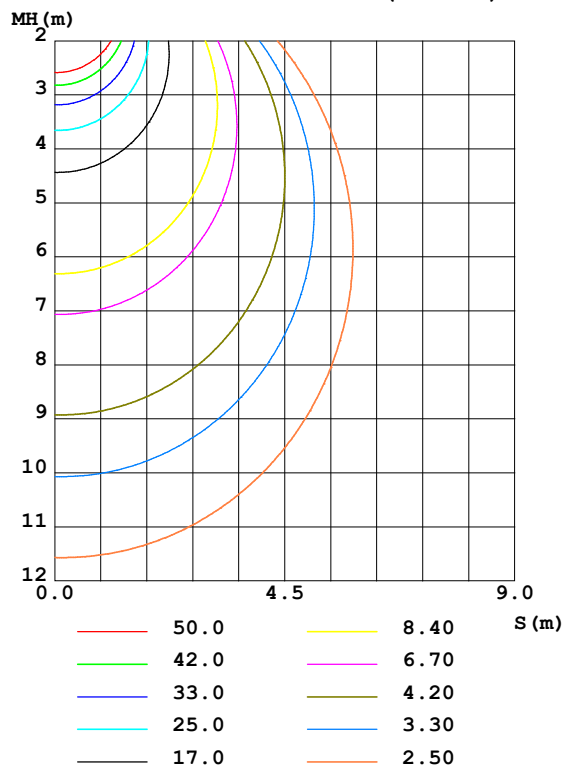
Test:U:12.000V I:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.81 lm/W			
MODEL	V120-12-3256F4C3-D	Imax(cd)	336.8	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	982.85	η UP,DN(C0-180)	0.1,50.8
NOMINAL FLUX(lm)	982.85	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.0
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	η down(%)	99.7	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:

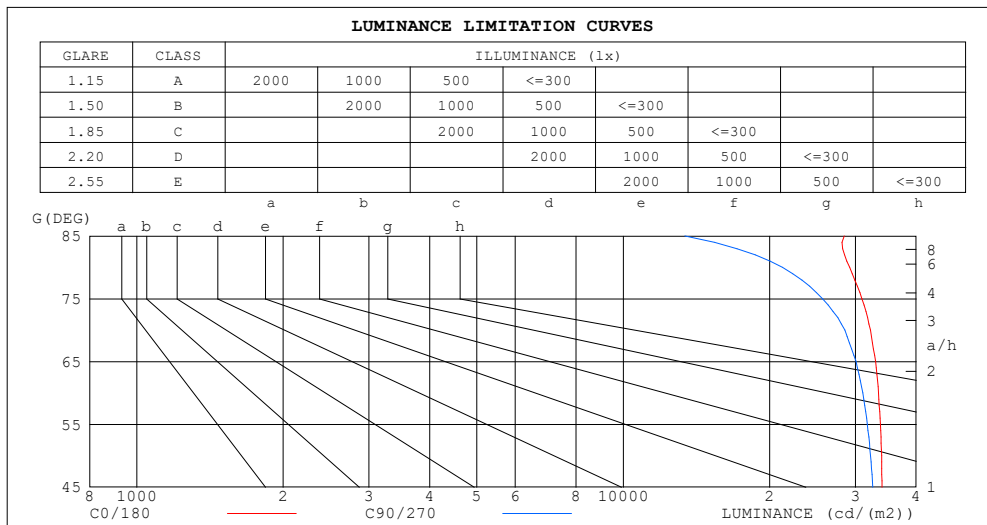
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	332.0	331.7	329.0	329.2	326.1	326.6	329.1	332.4	0- 10	31.73	31.73	3.23,3.23
20	318.7	318.0	313.1	311.5	306.8	308.1	313.0	317.6	10- 20	91.15	122.9	12.5,12.5
30	294.8	293.8	287.1	283.7	277.4	279.6	286.5	292.1	20- 30	138.9	261.8	26.6,26.6
40	261.0	260.0	251.5	246.5	238.9	241.8	250.3	256.9	30- 40	169.0	430.8	43.8,43.8
50	218.3	216.9	207.3	200.6	192.3	195.6	205.2	212.7	40- 50	177.0	607.9	61.8,61.8
60	167.5	166.1	155.4	147.5	138.6	142.0	152.2	160.5	50- 60	161.5	769.4	78.3,78.3
70	110.3	108.9	97.61	89.35	81.01	83.20	93.17	101.6	60- 70	123.6	893.0	90.9,90.9
80	50.70	49.49	36.92	33.09	26.97	27.35	30.55	41.65	70- 80	69.57	962.6	97.9,97.9
90	7.514	6.343	0.1815	1.026	0.3899	0.5677	2.140	3.310	80- 90	17.72	980.3	99.7,99.7
100	0.9697	0.1958	0.2172	0.2321	0.1740	0.1816	0.1595	0.1929	90-100	0.9342	981.2	99.8,99.8
110	0.2287	0.2610	0.2366	0.2973	0.2320	0.1956	0.2046	0.2126	100-110	0.2280	981.5	99.9,99.9
120	0.2464	0.3118	0.3148	0.3567	0.2901	0.2278	0.2542	0.2463	110-120	0.2501	981.7	99.9,99.9
130	0.3419	0.3571	0.3332	0.4095	0.3445	0.2609	0.3088	0.2465	120-130	0.2699	982.0	99.9,99.9
140	0.3552	0.3740	0.3407	0.4278	0.3990	0.3406	0.3551	0.3175	130-140	0.2673	982.3	99.9,99.9
150	0.4471	0.4278	0.4398	0.4525	0.4568	0.3407	0.3842	0.3403	140-150	0.2420	982.5	100,100
160	0.4192	0.4482	0.4393	0.4468	0.4640	0.3841	0.4205	0.3571	150-160	0.1905	982.7	100,100
170	0.3656	0.4018	0.4132	0.4204	0.4640	0.4203	0.4458	0.4238	160-170	0.1200	982.8	100,100
180	0.4567	0.4349	0.3914	0.4422	0.4639	0.4277	0.3842	0.4204	170-180	0.0405	982.8	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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28452	13378
80	29194	21262
75	30941	25695
70	32248	28540
65	33046	30086
60	33494	31086
55	33790	31760
50	33965	32251
45	34039	32588

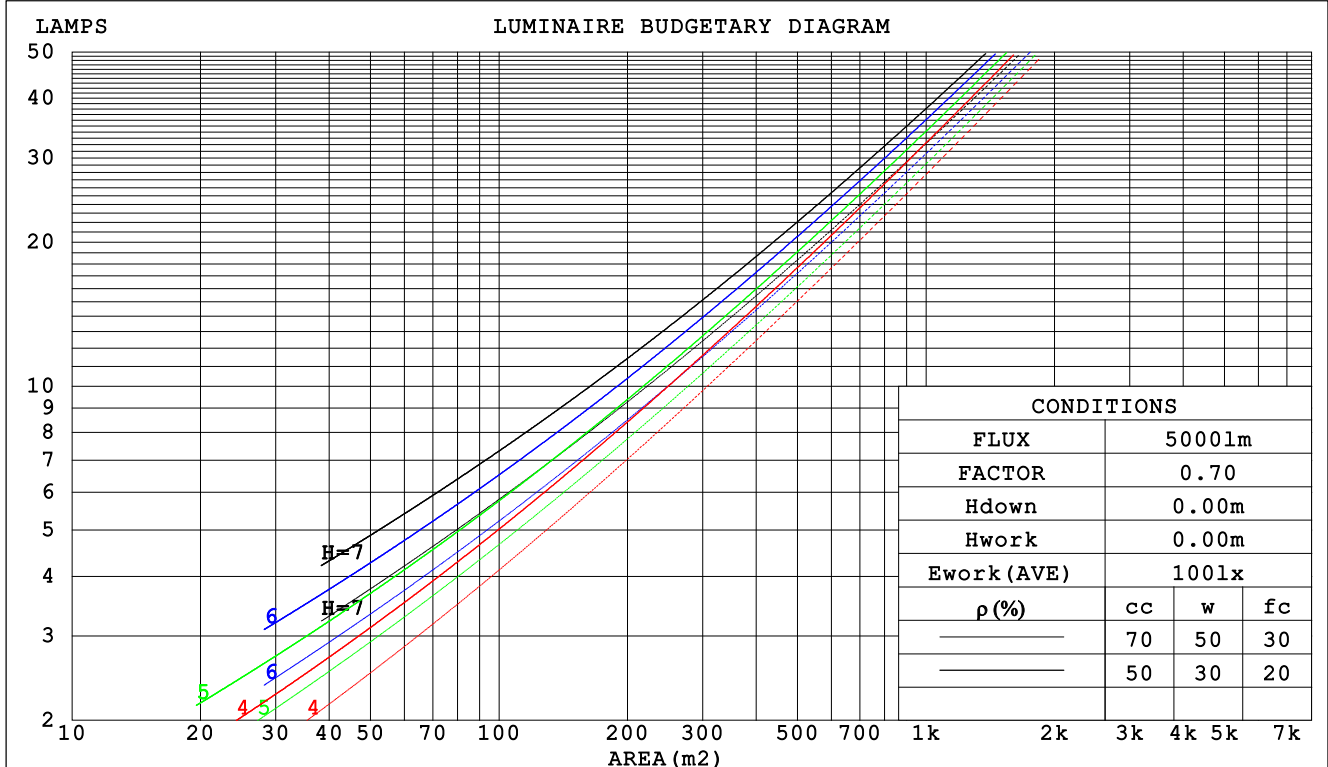
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:SENPU
Test Date:2022-02-28

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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
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	.99	.96	1.01	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
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	.311	.177	.056	.304	.173	.055	.290	.166	.053	.278	.160	.051	.266	.154	.050		
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.254	.144	.045		
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.245	.135	.041	.236	.131	.041		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.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	.107	.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	.167	.116	.076	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.137	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.152	.093	.049	.130	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.084	.041	.124	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.119	.067	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.131	.072	.031	.113	.062	.027	.078	.044	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.067	.027	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.023	.009	.014	.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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm											
NAME: YJ-VTC-HRB-2835X-12V-G01-3256					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:2022022803			
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	25.2	26.7	25.4	26.9	27.1	
	3H	27.1	28.5	27.4	28.8	29.0	26.7	28.1	27.0	28.4	28.6
	4H	27.8	29.2	28.1	29.4	29.7	27.3	28.7	27.6	28.9	29.2
	6H	28.4	29.6	28.7	29.9	30.2	27.7	29.0	28.1	29.3	29.5
	8H	28.6	29.8	28.9	30.1	30.4	27.8	29.0	28.2	29.3	29.6
	12H	28.7	29.9	29.0	30.2	30.5	27.8	29.0	28.2	29.3	29.6
4H	2H	26.0	27.4	26.4	27.6	27.9	25.9	27.2	26.2	27.5	27.7
	3H	27.9	29.1	28.3	29.4	29.7	27.6	28.8	28.0	29.1	29.4
	4H	28.8	29.9	29.2	30.2	30.5	28.4	29.4	28.7	29.8	30.1
	6H	29.5	30.4	29.9	30.8	31.2	28.9	29.8	29.3	30.2	30.6
	8H	29.7	30.6	30.2	31.0	31.4	29.0	29.9	29.5	30.3	30.7
	12H	29.9	30.7	30.4	31.1	31.5	29.1	29.9	29.5	30.3	30.7
8H	4H	29.1	30.0	29.5	30.3	30.7	28.7	29.6	29.1	30.0	30.4
	6H	29.9	30.7	30.4	31.1	31.5	29.4	30.1	29.9	30.6	31.0
	8H	30.3	30.9	30.8	31.4	31.8	29.7	30.3	30.1	30.7	31.2
	12H	30.6	31.2	31.1	31.6	32.1	29.8	30.4	30.3	30.8	31.3
12H	4H	29.1	29.9	29.5	30.3	30.7	28.7	29.6	29.2	29.9	30.4
	6H	30.0	30.7	30.5	31.1	31.5	29.5	30.2	30.0	30.6	31.0
	8H	30.4	31.0	30.9	31.4	31.9	29.8	30.4	30.3	30.8	31.3
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 / - 0.4					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 982.8 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.1$)

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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
MFR.:	SUR.:	Shielding Angle:

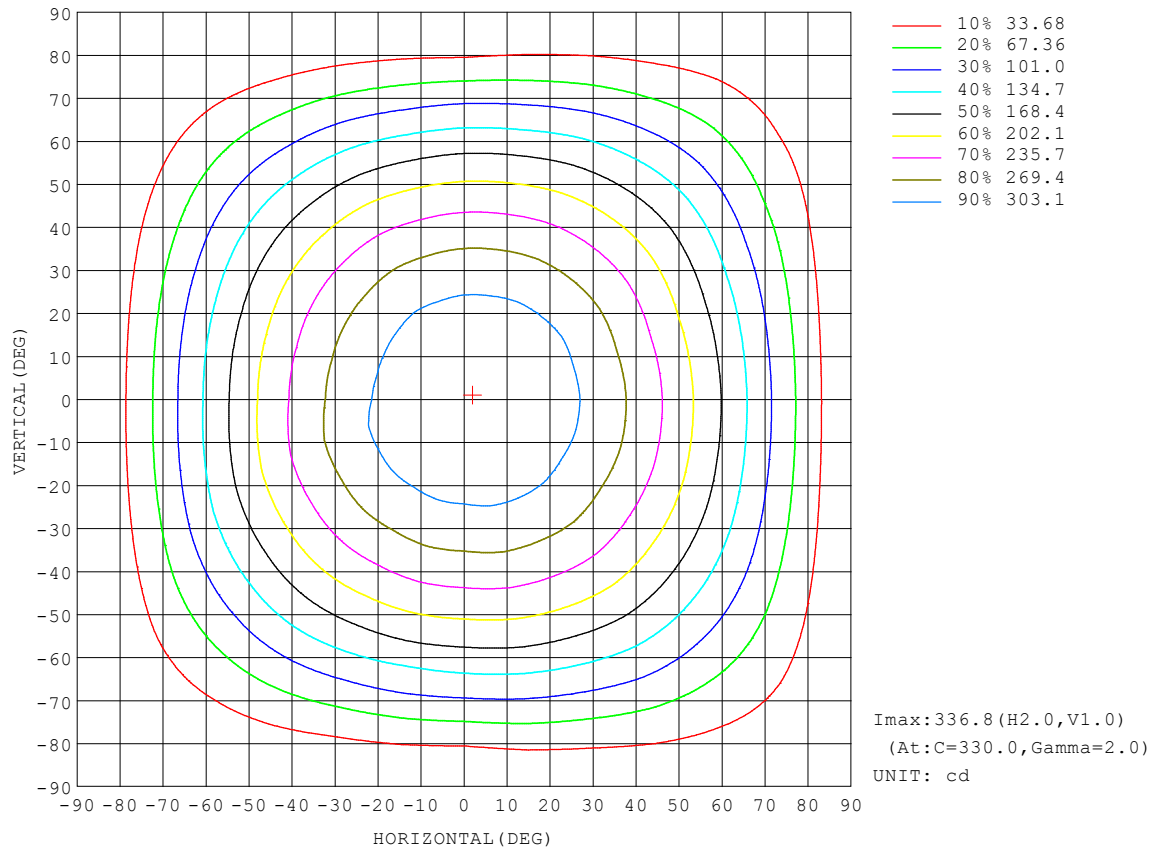
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
MFR.:	SUR.:	Shielding Angle:

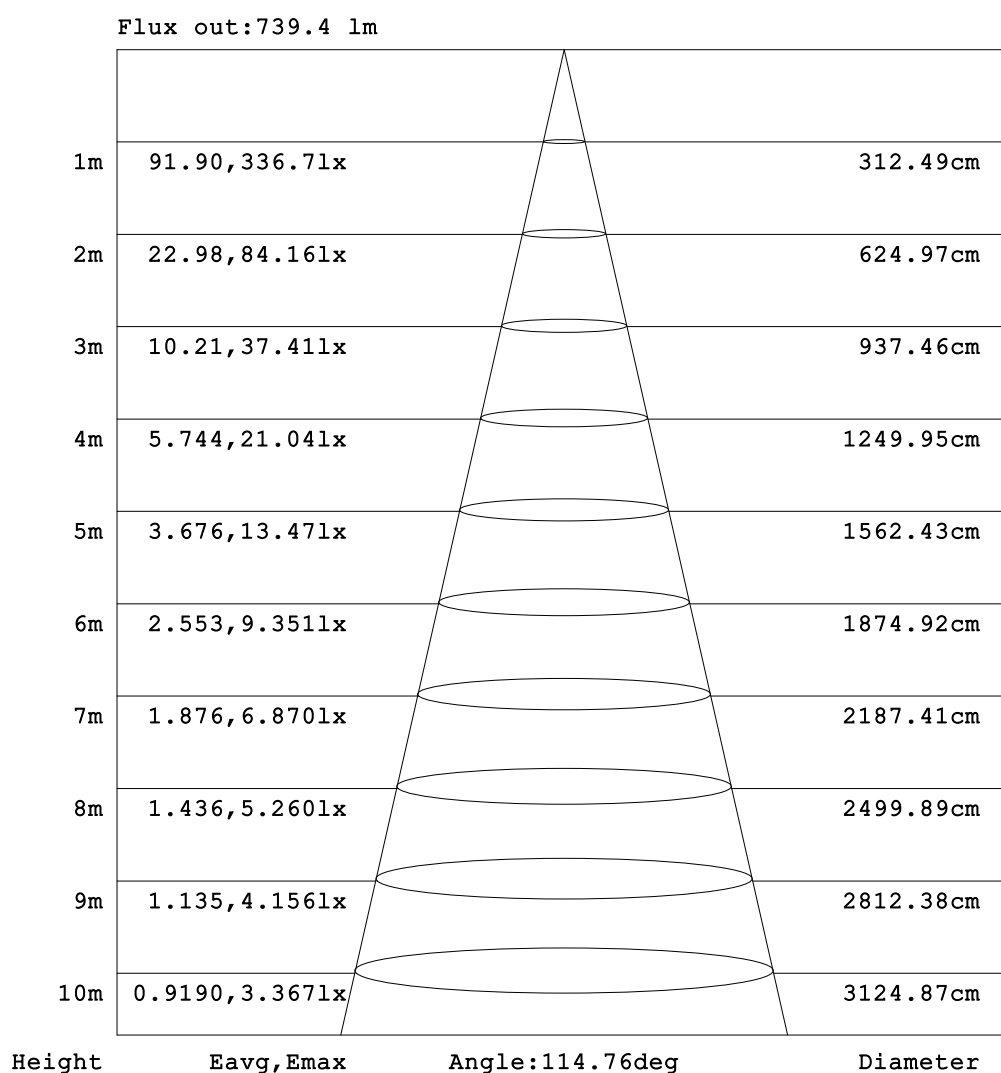


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:SENPU
Test Date:2022-02-28

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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
MFR.:	SUR.:	Shielding Angle:



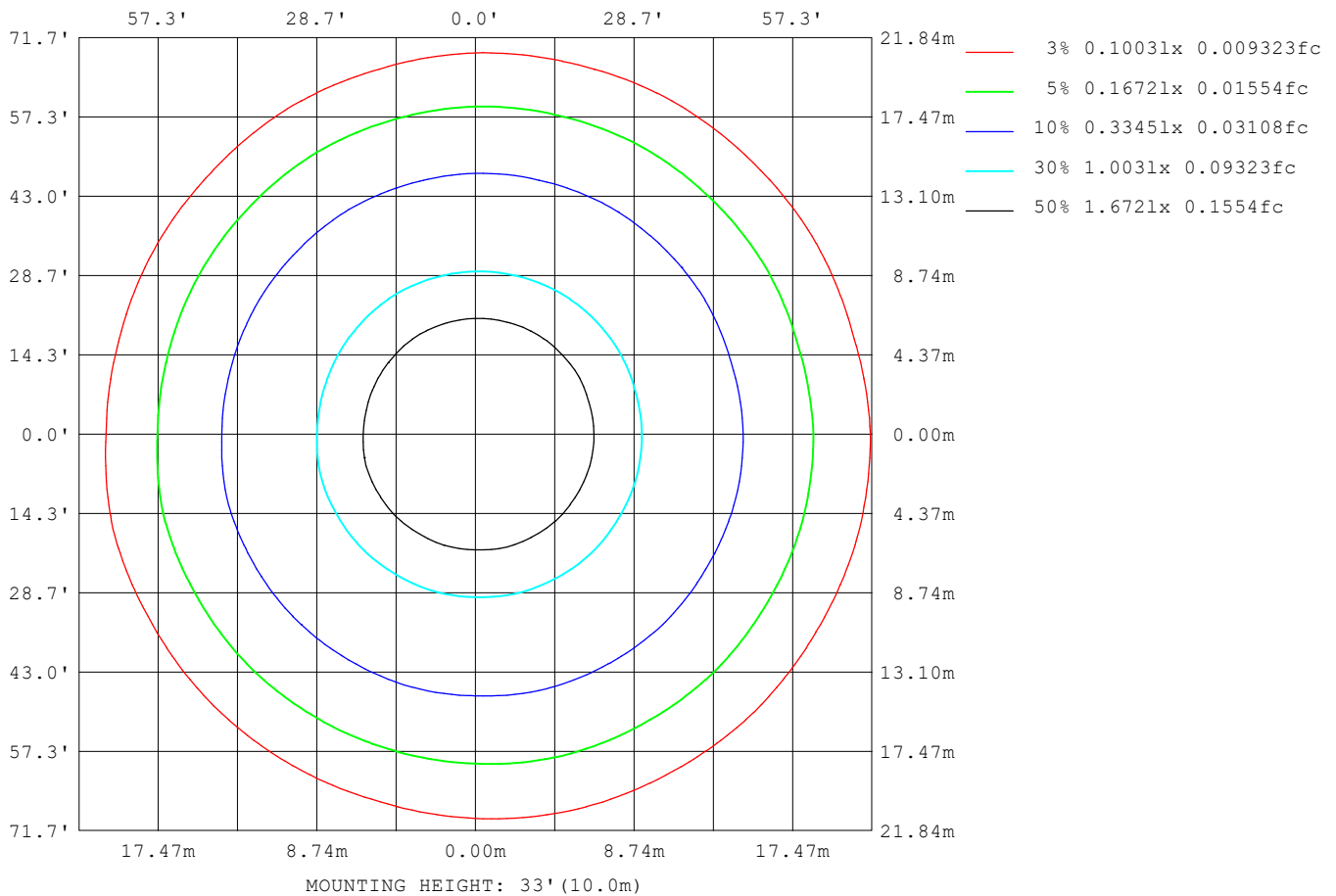
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
MFR.:	SUR.:	Shielding Angle:

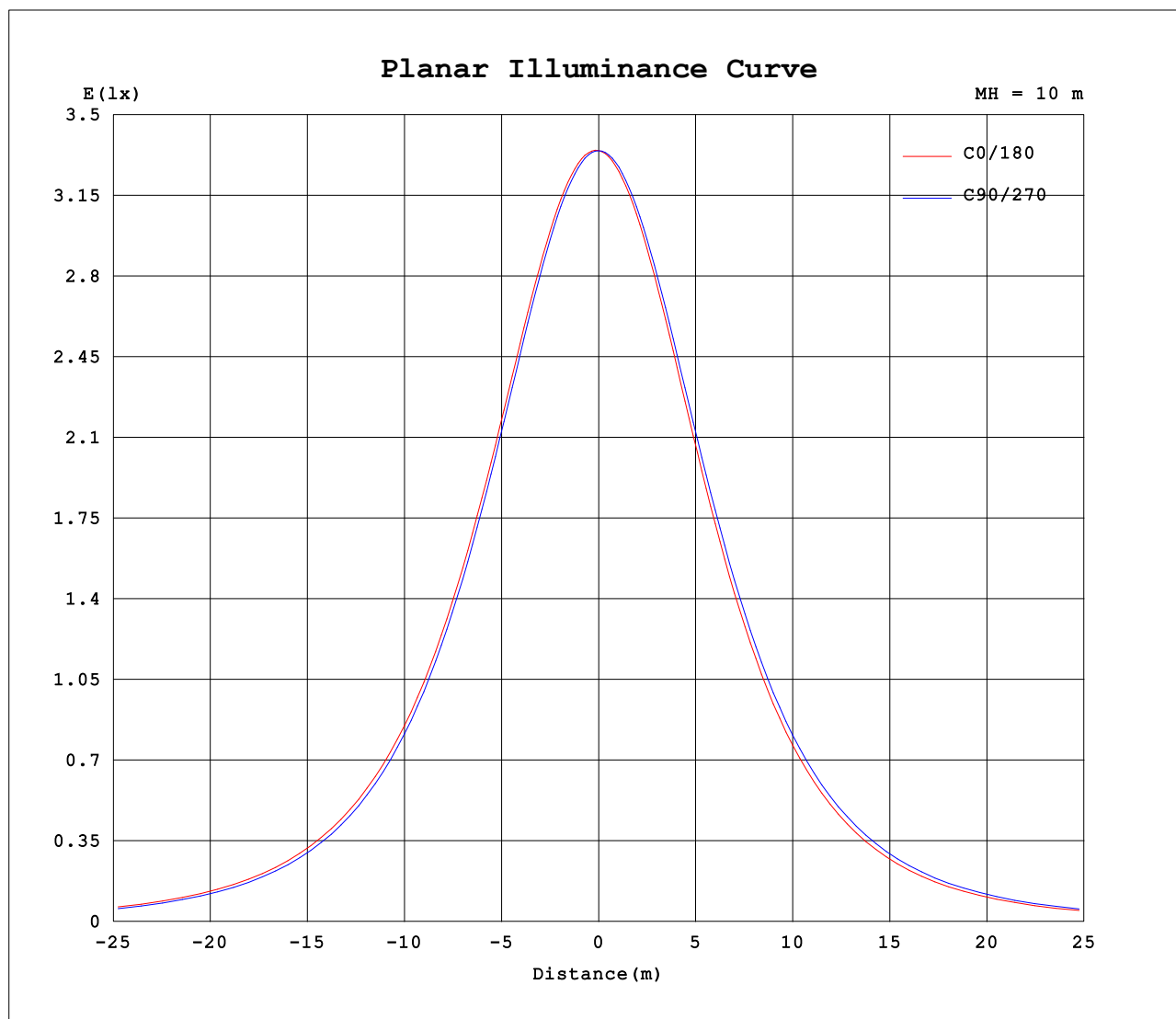
AvgL	cd/m2
L_0~180 (65) av	29543
L_0~180 (75) av	25666
L_0~180 (85) av	18478
L_90~270 (65) av	29630
L_90~270 (75) av	24579
L_90~270 (85) av	10842
L_45 (65) av	29657
L_45 (75) av	25480
L_45 (85) av	17260

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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
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	334	334	333	335	335	335	334	335	335	336	337	337	334	334	333	335	335	335	334
5	335	334	333	334	335	334	333	334	333	334	334	334	332	331	331	332	333	333	333
10	332	332	331	332	331	331	329	329	329	329	329	329	326	325	325	327	329	329	329
15	327	326	325	326	326	325	322	323	321	322	321	321	318	316	317	319	321	321	322
20	319	318	317	318	317	316	313	313	311	312	311	311	307	306	306	308	311	312	313
25	308	308	307	307	306	304	301	301	299	299	298	298	293	292	293	295	298	299	301
30	295	295	293	294	292	291	287	286	284	284	282	282	277	276	277	280	283	284	287
35	279	280	278	278	276	275	270	270	267	266	264	265	259	258	260	262	266	267	270
40	261	261	260	260	258	256	252	250	247	246	244	244	239	238	240	242	246	247	250
45	241	241	239	240	237	235	230	229	225	225	222	222	216	216	217	220	224	226	229
50	218	219	217	217	214	212	207	205	202	201	198	198	192	191	193	196	200	202	205
55	194	194	192	193	189	187	182	180	176	175	172	172	166	165	167	170	174	176	180
60	167	168	166	166	163	160	155	152	149	148	145	145	139	138	140	142	146	148	152
65	140	140	138	138	135	132	127	122	121	119	116	116	110	109	111	113	117	119	123
70	110	111	109	109	105	103	97.6	95.0	90.9	89.4	86.8	86.8	81.0	80.3	82.0	83.2	86.9	89.0	93.2
75	80.1	81.1	79.2	78.8	75.1	72.5	66.5	65.1	61.0	60.0	57.7	57.8	52.8	51.9	53.3	54.0	56.9	58.8	60.7
80	50.7	51.9	50.0	49.5	45.9	43.5	36.9	36.6	33.6	33.1	31.1	31.3	27.0	26.2	27.2	27.4	29.5	30.7	30.6
85	24.8	25.8	24.5	23.7	20.5	18.3	11.7	13.7	11.9	11.7	10.4	10.4	7.41	6.91	7.61	7.61	8.69	8.75	7.24
90	7.51	8.05	7.22	6.34	2.56	1.31	0.18	0.82	1.06	1.03	0.80	0.75	0.39	0.46	0.48	0.57	0.45	0.29	2.14
95	3.44	3.40	0.71	0.21	0.21	0.19	0.19	0.20	0.21	0.30	0.25	0.22	0.18	0.17	0.14	0.18	0.13	0.15	0.12
100	0.97	0.39	0.21	0.20	0.20	0.21	0.22	0.23	0.21	0.23	0.22	0.23	0.17	0.17	0.17	0.18	0.17	0.15	0.16
105	0.23	0.22	0.21	0.23	0.20	0.24	0.22	0.27	0.22	0.26	0.24	0.25	0.20	0.17	0.19	0.18	0.18	0.15	0.19
110	0.23	0.25	0.22	0.26	0.20	0.28	0.24	0.29	0.23	0.30	0.24	0.28	0.23	0.18	0.21	0.20	0.20	0.19	0.20
115	0.23	0.28	0.23	0.29	0.22	0.29	0.26	0.32	0.25	0.33	0.25	0.31	0.27	0.22	0.24	0.22	0.25	0.21	0.23
120	0.25	0.31	0.27	0.31	0.25	0.33	0.31	0.35	0.30	0.36	0.30	0.34	0.29	0.24	0.27	0.23	0.28	0.22	0.25
125	0.30	0.33	0.29	0.34	0.27	0.34	0.32	0.37	0.32	0.39	0.32	0.38	0.32	0.33	0.30	0.24	0.28	0.23	0.28
130	0.34	0.36	0.31	0.36	0.32	0.36	0.33	0.39	0.33	0.41	0.34	0.39	0.34	0.33	0.31	0.26	0.31	0.25	0.31
135	0.35	0.39	0.33	0.37	0.33	0.38	0.34	0.40	0.34	0.42	0.34	0.41	0.38	0.33	0.36	0.31	0.33	0.28	0.33
140	0.36	0.41	0.33	0.37	0.34	0.40	0.34	0.42	0.37	0.43	0.40	0.42	0.40	0.36	0.38	0.34	0.36	0.31	0.36
145	0.43	0.43	0.35	0.42	0.34	0.41	0.41	0.43	0.43	0.45	0.40	0.45	0.43	0.36	0.40	0.34	0.37	0.32	0.37
150	0.45	0.45	0.36	0.43	0.36	0.43	0.44	0.44	0.43	0.45	0.44	0.45	0.46	0.37	0.41	0.34	0.39	0.33	0.38
155	0.44	0.45	0.38	0.45	0.37	0.42	0.44	0.46	0.44	0.45	0.45	0.45	0.46	0.41	0.42	0.35	0.41	0.34	0.40
160	0.42	0.43	0.39	0.45	0.40	0.42	0.44	0.47	0.44	0.45	0.44	0.45	0.46	0.45	0.44	0.38	0.41	0.36	0.42
165	0.40	0.42	0.41	0.41	0.40	0.40	0.44	0.45	0.44	0.43	0.43	0.41	0.46	0.47	0.41	0.39	0.43	0.41	0.44
170	0.37	0.43	0.40	0.40	0.40	0.39	0.41	0.42	0.42	0.42	0.42	0.39	0.46	0.46	0.46	0.42	0.45	0.45	0.45
175	0.36	0.44	0.39	0.39	0.39	0.39	0.40	0.40	0.41	0.41	0.41	0.38	0.46	0.46	0.46	0.46	0.46	0.46	0.45
180	0.46	0.44	0.44	0.43	0.43	0.41	0.39	0.43	0.39	0.44	0.40	0.42	0.46	0.45	0.43	0.43	0.41	0.42	0.38

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:1.2890A P:15.648W PF:1.0000 Freq:0Hz Lamp Flux:982.85x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022803
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	335	335	336	337	337														
5	334	335	336	336	336														
10	330	331	332	333	333														
15	324	325	326	328	327														
20	314	316	318	319	318														
25	302	305	306	308	307														
30	288	291	292	294	293														
35	271	274	276	278	277														
40	253	256	257	259	258														
45	231	234	236	238	237														
50	208	211	213	215	214														
55	182	186	188	190	190														
60	155	159	160	163	163														
65	125	130	132	134	134														
70	95.6	99.8	102	105	104														
75	65.2	69.2	71.1	73.9	74.0														
80	36.1	40.0	41.7	44.4	44.5														
85	12.8	15.7	17.2	19.4	19.6														
90	0.90	2.38	3.31	4.36	4.52														
95	0.20	0.35	0.82	1.62	1.85														
100	0.19	0.18	0.19	0.37	0.23														
105	0.18	0.20	0.20	0.21	0.19														
110	0.17	0.23	0.21	0.21	0.20														
115	0.23	0.26	0.22	0.25	0.21														
120	0.23	0.28	0.25	0.27	0.22														
125	0.24	0.29	0.25	0.30	0.22														
130	0.26	0.32	0.25	0.33	0.24														
135	0.32	0.35	0.30	0.34	0.29														
140	0.33	0.35	0.32	0.37	0.33														
145	0.34	0.36	0.33	0.38	0.34														
150	0.35	0.38	0.34	0.40	0.35														
155	0.36	0.40	0.35	0.42	0.39														
160	0.37	0.42	0.36	0.44	0.42														
165	0.38	0.43	0.40	0.43	0.44														
170	0.44	0.44	0.42	0.43	0.45														
175	0.45	0.41	0.43	0.45	0.45														
180	0.42	0.42	0.42	0.43	0.42														

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: