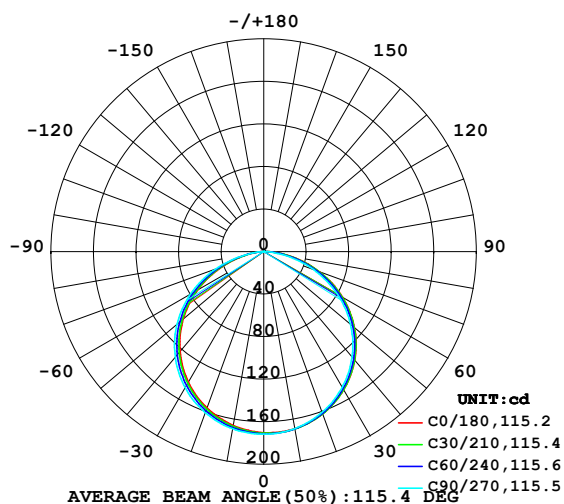


LUMINAIRE PHOTOMETRIC TEST REPORT

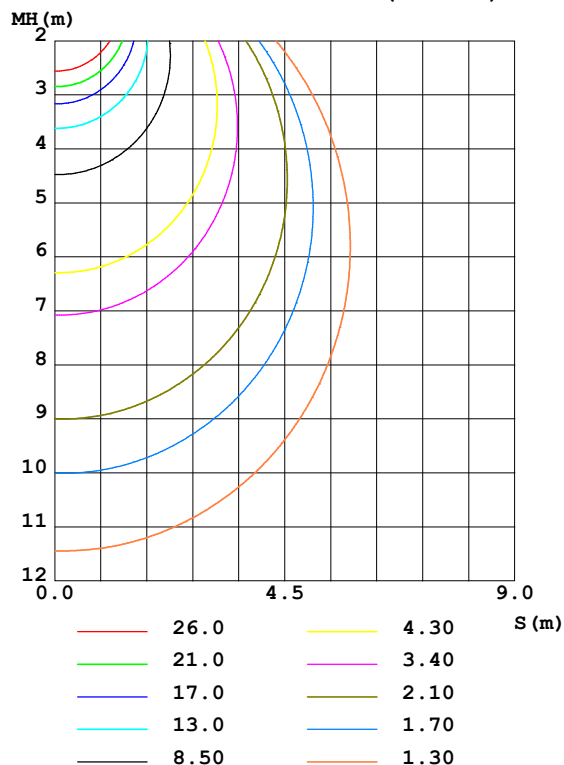
Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.20 lm/W			
MODEL	V120-12-3256F4C3-C	Imax(cd)	171.7	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	503.22	η UP,DN(C0-180)	0.1,50.6
NOMINAL FLUX(lm)	503.22	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.2
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:60.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

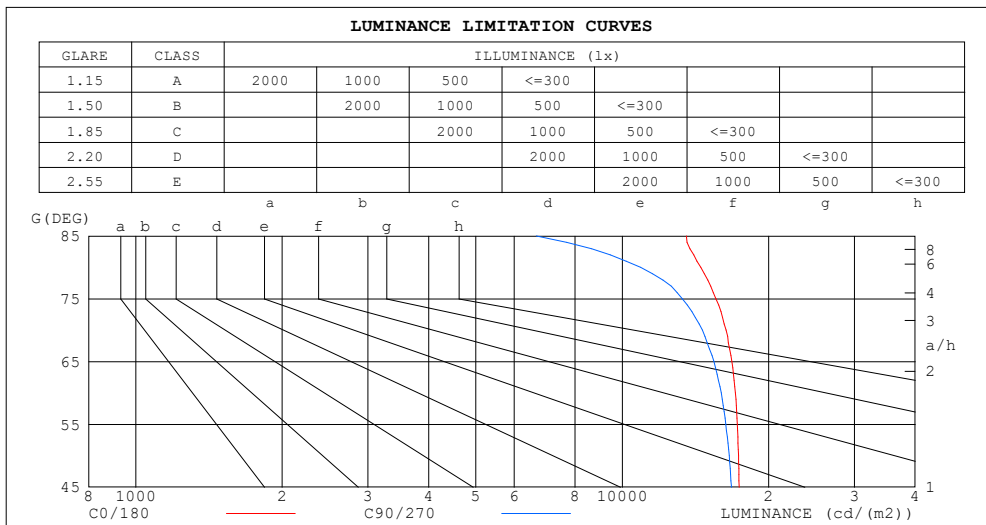
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	169.1	169.4	168.9	167.5	165.9	167.1	169.2	169.3	0- 10	16.20	16.20	3.22,3.22
20	162.3	162.3	160.8	158.5	156.4	157.9	161.1	162.0	10- 20	46.58	62.78	12.5,12.5
30	150.3	150.1	147.5	144.5	141.8	143.6	147.9	149.3	20- 30	71.09	133.9	26.6,26.6
40	133.3	132.7	129.4	125.7	122.5	124.5	129.5	131.7	30- 40	86.60	220.5	43.8,43.8
50	111.4	110.8	106.6	102.4	98.95	100.9	106.5	109.2	40- 50	90.86	311.3	61.9,61.9
60	85.47	84.62	79.91	75.33	71.39	73.53	79.21	82.48	50- 60	82.98	394.3	78.4,78.4
70	55.96	55.13	49.98	45.48	41.46	43.11	48.58	52.19	60- 70	63.50	457.8	91,91
80	25.17	24.51	18.93	16.59	13.29	13.91	15.79	21.32	70- 80	35.47	493.3	98,98
90	2.760	2.392	0.1162	0.4334	0.1518	0.3271	0.0871	1.412	80- 90	8.728	502.0	99.8,99.8
100	0.2834	0.1305	0.1087	0.1450	0.1160	0.0942	0.1015	0.0942	90-100	0.3440	502.3	99.8,99.8
110	0.1160	0.1667	0.1087	0.1595	0.1522	0.1305	0.1232	0.1015	100-110	0.1275	502.5	99.9,99.9
120	0.1160	0.1812	0.1302	0.1958	0.1741	0.1305	0.1522	0.1015	110-120	0.1347	502.6	99.9,99.9
130	0.1665	0.2031	0.1957	0.2248	0.1957	0.1377	0.1741	0.1087	120-130	0.1424	502.8	99.9,99.9
140	0.2101	0.2247	0.2174	0.2320	0.2247	0.1666	0.2032	0.1378	130-140	0.1440	502.9	99.9,99.9
150	0.2320	0.2320	0.2175	0.2320	0.2465	0.2030	0.2176	0.1885	140-150	0.1320	503.0	100,100
160	0.2320	0.2247	0.2320	0.2320	0.2465	0.2320	0.2392	0.2102	150-160	0.1035	503.1	100,100
170	0.2030	0.2175	0.2247	0.2319	0.2465	0.2392	0.2392	0.2320	160-170	0.0651	503.2	100,100
180	0.2392	0.2320	0.2175	0.2320	0.2320	0.2392	0.2247	0.2320	170-180	0.0219	503.2	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:60.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
MFR.:	SUR.:	Shielding Angle:



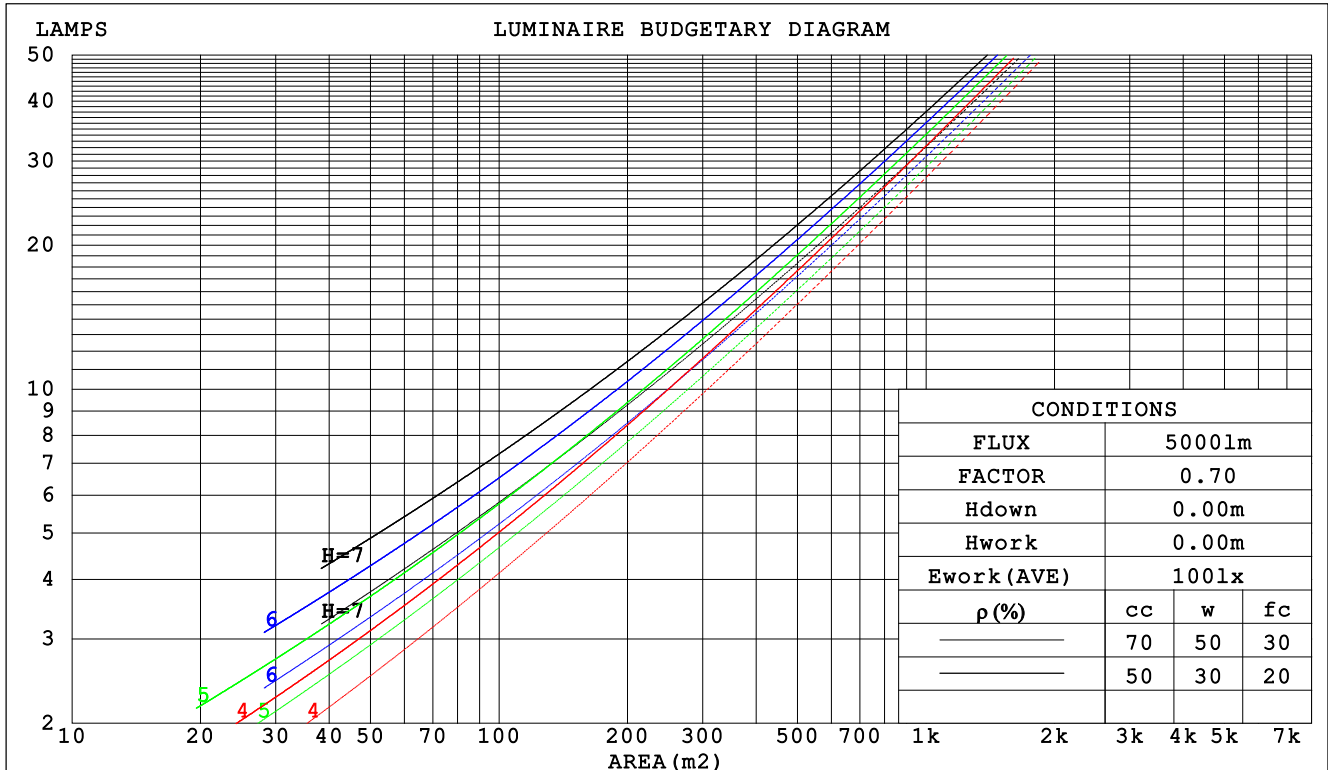
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: SENPU
Test Date: 2022-02-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 60.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
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	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.86	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.74	.68	.63	.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: 60.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
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	.310	.176	.056	.303	.173	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050		
2.0	.293	.160	.049	.286	.158	.049	.275	.153	.047	.264	.148	.046	.254	.143	.045		
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040		
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	.075	.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	.011	
3.0	.167	.116	.076	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.136	.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	.144	.084	.041	.124	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.118	.067	.030	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.131	.071	.031	.113	.062	.027	.078	.044	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.067	.027	.108	.058	.024	.075	.041	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.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:60.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm											
NAME: YJ-VTC-HRB-2835X-12V-G01-3256					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:2022022802			
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	23.1	24.6	23.3	24.8	25.0	22.8	24.3	23.1	24.6	24.8	
	3H	24.8	26.2	25.1	26.4	26.6	24.4	25.8	24.7	26.0	26.3
	4H	25.4	26.8	25.8	27.0	27.3	25.0	26.3	25.3	26.6	26.9
	6H	26.0	27.2	26.3	27.5	27.8	25.4	26.6	25.7	26.9	27.2
	8H	26.1	27.4	26.5	27.7	28.0	25.5	26.7	25.8	27.0	27.3
	12H	26.3	27.4	26.6	27.7	28.1	25.5	26.7	25.9	27.0	27.3
4H	2H	23.7	25.0	24.0	25.3	25.6	23.5	24.9	23.8	25.1	25.4
	3H	25.6	26.8	25.9	27.1	27.4	25.3	26.4	25.6	26.7	27.1
	4H	26.4	27.5	26.8	27.8	28.1	26.0	27.1	26.4	27.4	27.7
	6H	27.1	28.0	27.5	28.4	28.8	26.5	27.5	26.9	27.8	28.2
	8H	27.3	28.2	27.7	28.6	29.0	26.7	27.6	27.1	27.9	28.3
	12H	27.5	28.3	27.9	28.7	29.1	26.7	27.6	27.2	27.9	28.4
8H	4H	26.7	27.6	27.1	28.0	28.3	26.3	27.2	26.8	27.6	28.0
	6H	27.5	28.3	28.0	28.7	29.1	27.0	27.8	27.5	28.2	28.6
	8H	27.9	28.5	28.3	28.9	29.4	27.3	27.9	27.7	28.3	28.8
	12H	28.1	28.7	28.6	29.1	29.6	27.4	28.0	27.9	28.4	28.9
12H	4H	26.7	27.5	27.1	27.9	28.3	26.4	27.2	26.8	27.6	28.0
	6H	27.6	28.2	28.0	28.7	29.1	27.1	27.8	27.6	28.2	28.6
	8H	28.0	28.5	28.4	29.0	29.5	27.4	27.9	27.9	28.4	28.9
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	+ 0.1 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 503.2 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -2.4$)

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:60.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
MFR.:	SUR.:	Shielding Angle:

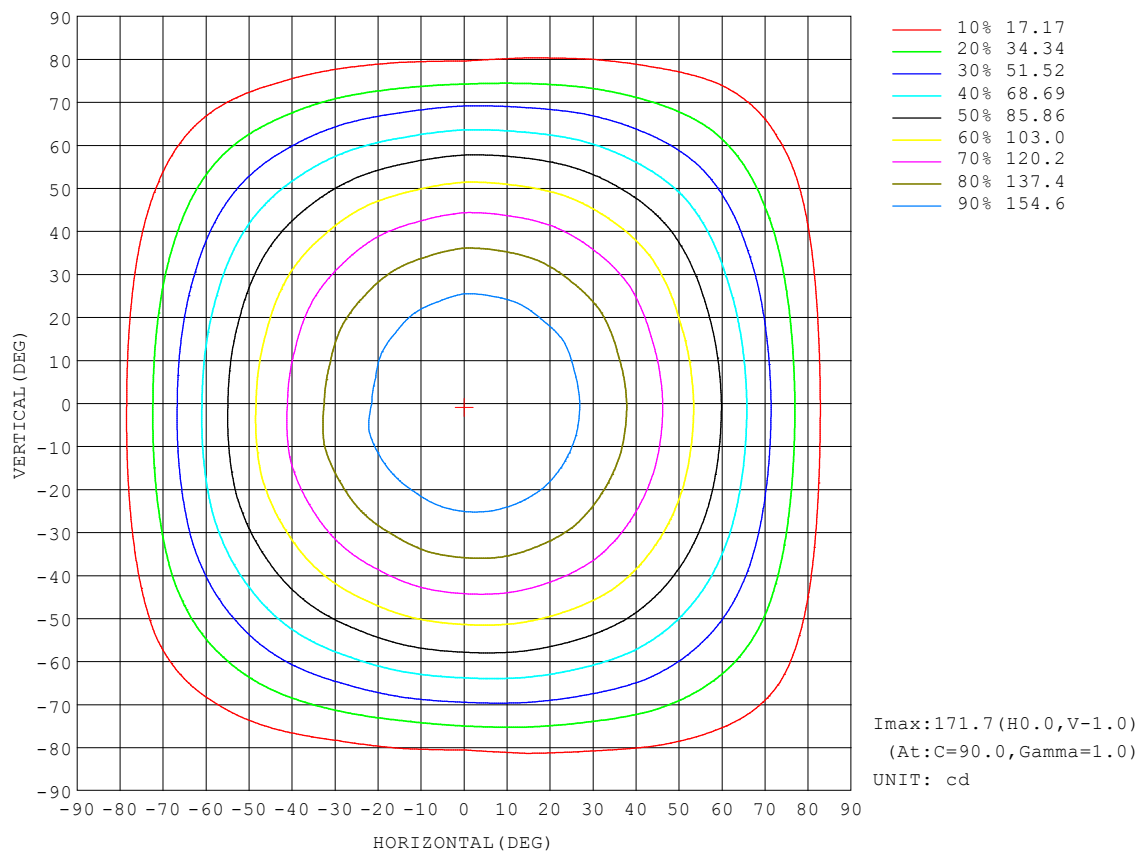
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	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	89	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: 60.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
MFR.:	SUR.:	Shielding Angle:

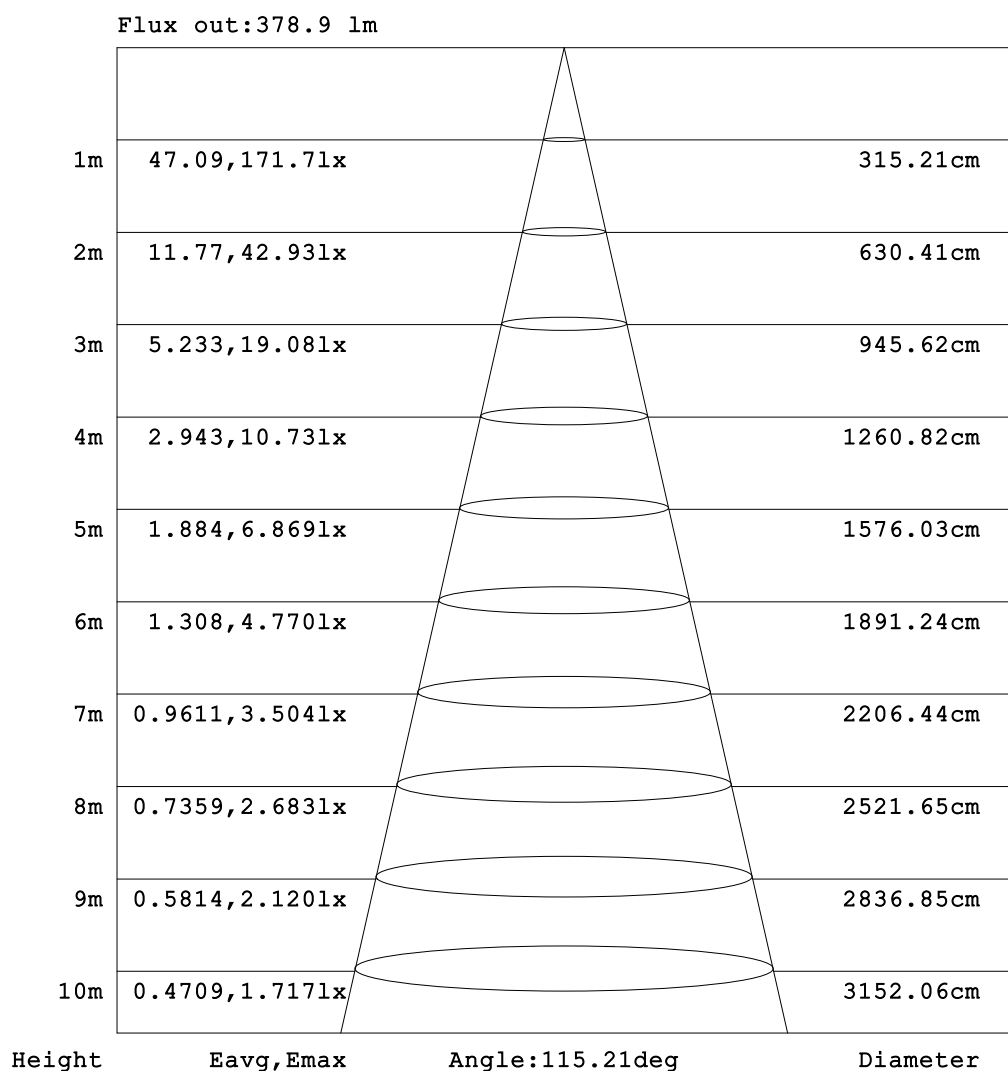


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:SENPU
Test Date:2022-02-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:60.0%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
MFR.:	SUR.:	Shielding Angle:



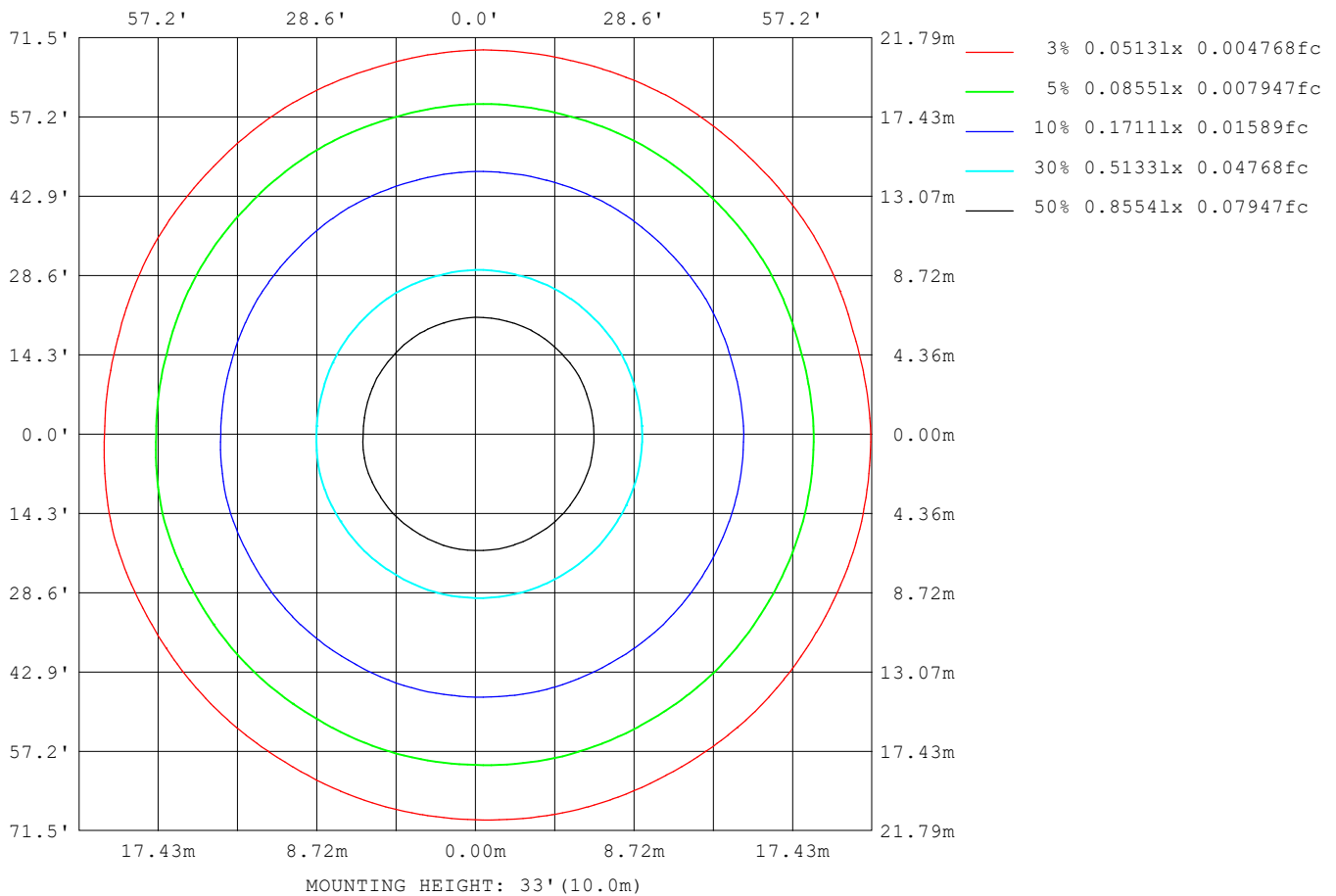
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:60.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
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: 60.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
MFR.:	SUR.:	Shielding Angle:

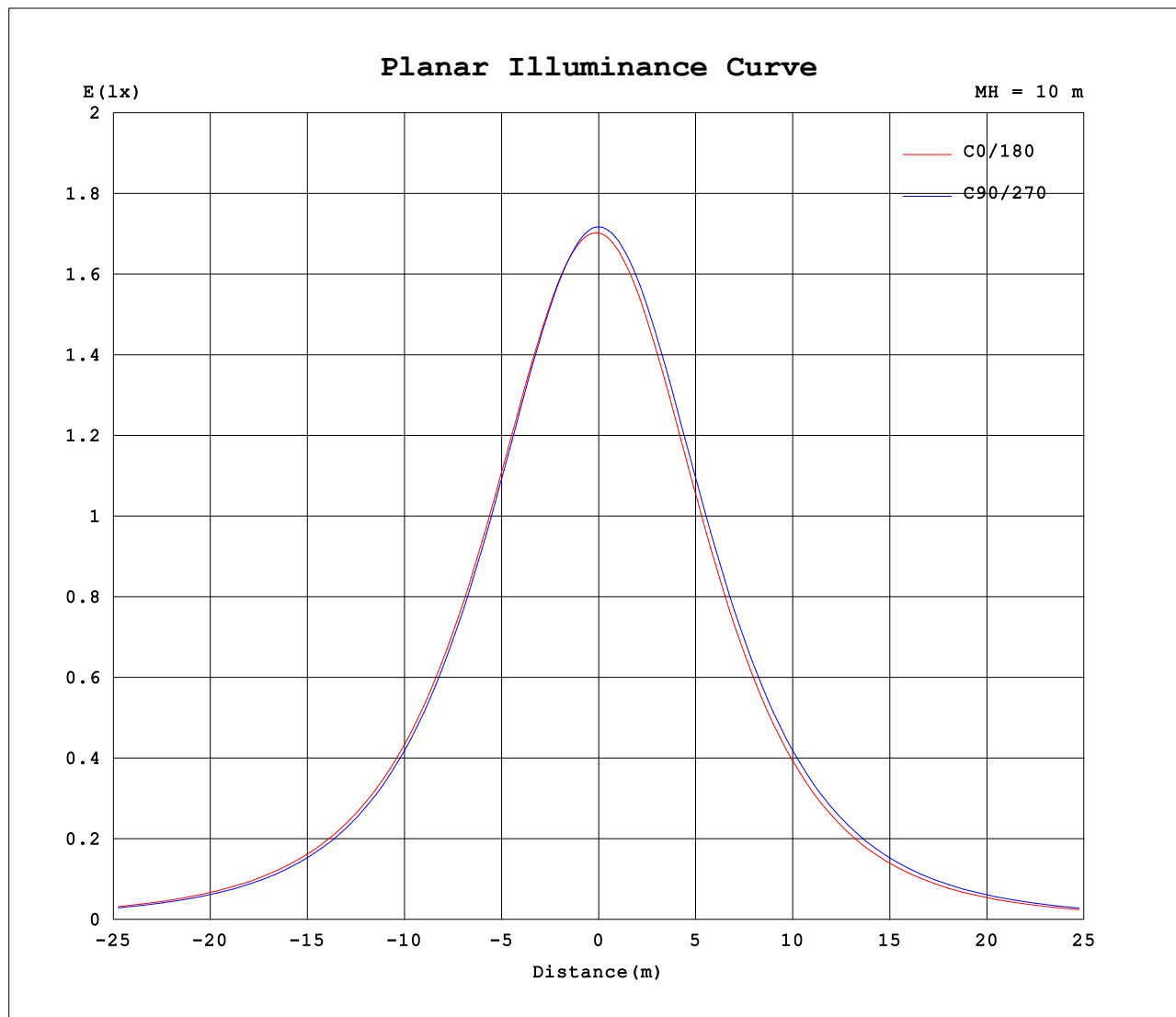
AvgL	cd/m2
L_0~180 (65) av	15108
L_0~180 (75) av	12932
L_0~180 (85) av	8670
L_90~270 (65) av	15317
L_90~270 (75) av	12722
L_90~270 (85) av	5435
L_45 (65) av	15199
L_45 (75) av	12970
L_45 (85) av	8456

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:60.0%
 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: 60.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
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	170	170	171	171	171	171	172	171	171	171	172	171	170	170	171	171	171	171	172
5	170	170	171	171	171	171	171	171	170	170	170	170	169	169	169	170	170	171	171
10	169	169	169	169	169	169	169	168	168	167	168	168	166	166	167	167	168	168	169
15	166	167	167	167	166	166	165	165	164	164	164	164	162	162	163	163	164	165	166
20	162	162	162	162	162	161	161	160	159	159	158	158	156	156	157	158	159	160	161
25	157	157	157	157	156	156	155	154	152	152	152	152	150	149	151	151	153	154	155
30	150	151	150	150	149	149	147	147	145	145	144	144	142	142	143	144	145	146	148
35	142	143	142	142	141	140	139	138	136	136	135	135	133	132	134	135	137	137	139
40	133	133	133	133	132	131	129	128	126	126	125	125	122	122	124	124	126	127	130
45	123	123	123	122	121	120	119	117	115	115	114	114	111	111	113	113	115	116	119
50	111	112	111	111	109	108	107	105	103	102	101	101	98.9	98.5	100	101	103	104	107
55	98.9	99.4	98.4	98.3	96.6	95.7	93.7	92.3	90.1	89.3	88.1	88.1	85.6	85.3	86.9	87.7	89.9	91.0	93.4
60	85.5	85.8	85.0	84.6	83.1	82.0	79.9	78.4	76.2	75.3	74.1	74.1	71.4	71.2	72.7	73.5	75.6	76.9	79.2
65	71.1	71.4	70.6	70.3	68.5	67.4	65.3	63.8	61.6	60.7	59.4	59.3	56.6	56.2	57.8	58.5	60.6	61.7	64.2
70	56.0	56.4	55.5	55.1	53.3	52.2	50.0	48.6	46.4	45.5	44.2	44.2	41.5	41.1	42.5	43.1	45.1	46.2	48.6
75	40.3	40.8	39.9	39.6	37.8	36.7	34.4	31.9	31.1	30.4	29.1	29.2	26.6	26.2	27.3	27.8	29.6	30.6	31.5
80	25.2	25.7	24.8	24.5	22.8	21.8	18.9	18.7	16.9	16.6	15.5	15.6	13.3	12.9	13.8	13.9	15.4	16.0	15.8
85	11.8	12.3	11.6	11.3	9.89	9.03	5.80	6.83	5.91	5.69	4.93	4.99	3.31	3.10	3.67	3.71	4.39	4.39	3.67
90	2.76	2.98	2.64	2.39	1.18	0.68	0.12	0.39	0.50	0.43	0.37	0.32	0.15	0.24	0.24	0.33	0.19	0.15	0.09
95	0.84	0.76	0.19	0.12	0.14	0.12	0.11	0.12	0.13	0.12	0.15	0.12	0.09	0.11	0.11	0.10	0.10	0.09	0.10
100	0.28	0.12	0.12	0.13	0.12	0.14	0.11	0.14	0.13	0.14	0.12	0.14	0.12	0.09	0.11	0.09	0.11	0.09	0.10
105	0.12	0.14	0.12	0.14	0.12	0.14	0.11	0.15	0.13	0.16	0.12	0.15	0.12	0.10	0.12	0.14	0.12	0.09	0.12
110	0.12	0.15	0.12	0.17	0.12	0.16	0.11	0.17	0.13	0.16	0.12	0.16	0.15	0.10	0.14	0.13	0.13	0.09	0.12
115	0.12	0.16	0.12	0.17	0.12	0.17	0.11	0.17	0.13	0.18	0.12	0.18	0.16	0.10	0.15	0.13	0.13	0.09	0.14
120	0.12	0.18	0.12	0.18	0.12	0.19	0.13	0.19	0.14	0.20	0.12	0.19	0.17	0.10	0.16	0.13	0.14	0.10	0.15
125	0.14	0.19	0.13	0.18	0.14	0.20	0.20	0.20	0.17	0.22	0.14	0.22	0.19	0.11	0.17	0.13	0.17	0.10	0.17
130	0.17	0.21	0.14	0.20	0.14	0.22	0.20	0.22	0.21	0.22	0.19	0.22	0.20	0.13	0.20	0.14	0.19	0.11	0.17
135	0.19	0.22	0.18	0.21	0.16	0.22	0.21	0.22	0.22	0.23	0.20	0.22	0.22	0.13	0.20	0.16	0.20	0.12	0.19
140	0.21	0.23	0.20	0.22	0.20	0.22	0.22	0.22	0.22	0.23	0.22	0.22	0.22	0.16	0.21	0.17	0.21	0.13	0.20
145	0.23	0.24	0.21	0.23	0.21	0.23	0.22	0.23	0.22	0.23	0.22	0.22	0.24	0.19	0.22	0.19	0.22	0.18	0.21
150	0.23	0.23	0.22	0.23	0.22	0.22	0.22	0.23	0.23	0.23	0.22	0.22	0.25	0.22	0.22	0.20	0.22	0.20	0.22
155	0.23	0.23	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.22	0.22	0.25	0.22	0.22	0.22	0.23	0.20	0.23
160	0.23	0.23	0.22	0.22	0.22	0.22	0.23	0.22	0.23	0.23	0.22	0.22	0.25	0.22	0.24	0.23	0.24	0.22	0.24
165	0.23	0.23	0.22	0.22	0.22	0.22	0.23	0.22	0.23	0.23	0.22	0.22	0.25	0.22	0.24	0.24	0.25	0.22	0.24
170	0.20	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.21	0.25	0.23	0.24	0.24	0.25	0.22	0.24
175	0.20	0.23	0.23	0.22	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.25	0.23	0.24	0.24	0.24	0.22	0.25
180	0.24	0.25	0.22	0.23	0.22	0.24	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.23	0.23	0.22

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:60.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.6240A P:7.4880W PF:1.0000 Freq:0Hz Lamp Flux:503.22x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022022802
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	171	171	171	172	171														
5	171	171	171	171	171														
10	169	169	169	170	170														
15	166	166	166	167	167														
20	161	162	162	163	162														
25	155	156	156	157	157														
30	148	149	149	150	150														
35	140	141	141	142	142														
40	130	131	132	133	132														
45	119	121	121	122	122														
50	107	109	109	111	110														
55	94.2	95.9	96.3	97.7	97.2														
60	80.2	81.9	82.5	83.8	83.6														
65	65.1	67.1	67.5	69.2	68.7														
70	49.6	51.6	52.2	53.7	53.6														
75	33.8	35.8	36.5	38.0	37.9														
80	18.9	20.7	21.3	22.7	22.8														
85	6.55	8.12	8.73	9.84	9.85														
90	0.44	1.03	1.41	1.93	1.98														
95	0.09	0.10	0.33	0.56	0.75														
100	0.04	0.11	0.09	0.09	0.11														
105	0.05	0.12	0.09	0.12	0.11														
110	0.07	0.13	0.10	0.13	0.11														
115	0.09	0.15	0.10	0.14	0.12														
120	0.09	0.15	0.10	0.15	0.12														
125	0.09	0.16	0.10	0.16	0.12														
130	0.12	0.19	0.11	0.17	0.12														
135	0.16	0.19	0.13	0.18	0.12														
140	0.16	0.20	0.14	0.20	0.15														
145	0.18	0.22	0.14	0.22	0.17														
150	0.17	0.23	0.19	0.22	0.19														
155	0.18	0.23	0.20	0.23	0.22														
160	0.21	0.23	0.21	0.23	0.22														
165	0.22	0.23	0.24	0.23	0.22														
170	0.23	0.24	0.23	0.23	0.23														
175	0.23	0.24	0.23	0.23	0.23														
180	0.23	0.22	0.23	0.23	0.24														

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:60.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: