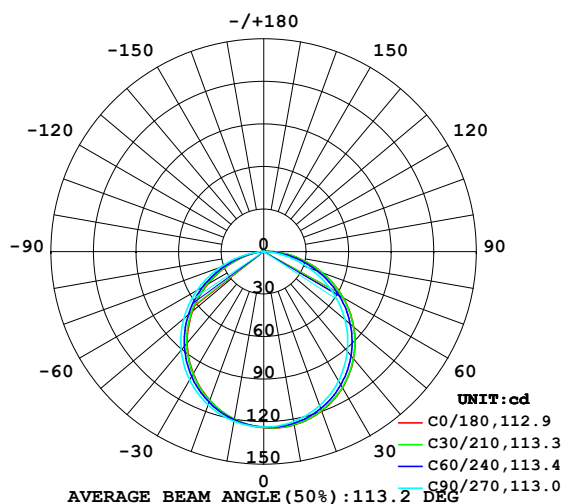


## LUMINAIRE PHOTOMETRIC TEST REPORT

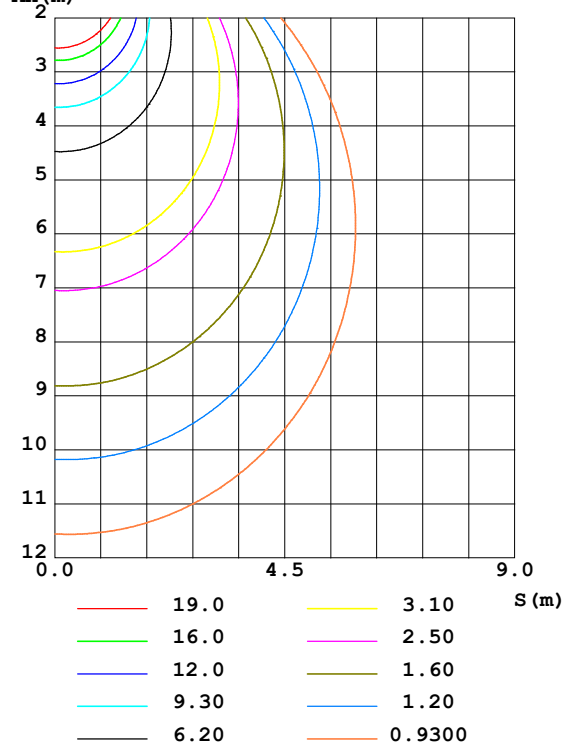
Test:U:12.000V I:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.53 lm/W			
MODEL	V120-12-2765RL-W	I <sub>max</sub> (cd)	124.7	S/MH (C0/180)	1.20
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	358.04	η UP, DN (C0-180)	0.3, 50.8
NOMINAL FLUX (lm)	358.042	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 48.7
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12	η down (%)	99.6	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:

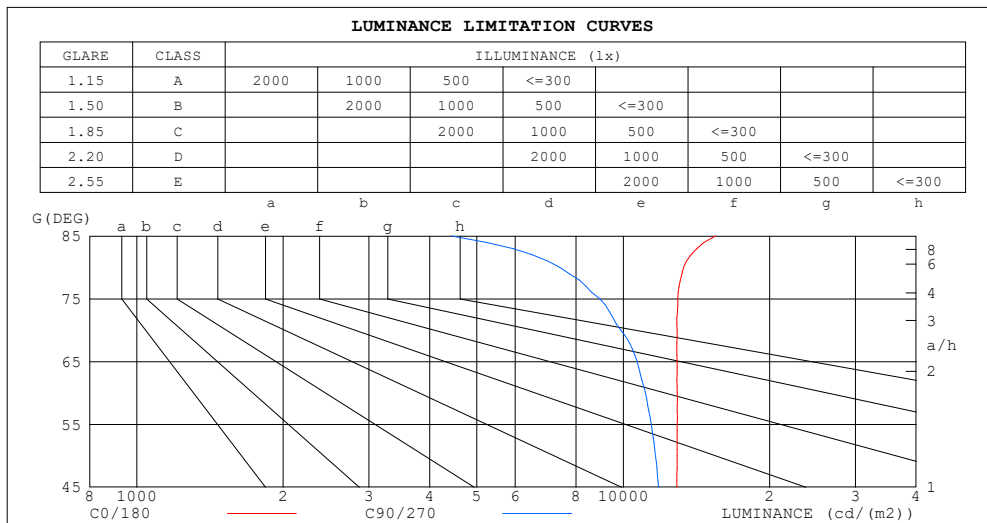
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	124.1	123.5	121.7	120.3	120.0	120.1	121.4	122.9	0- 10	11.72	11.72	3.27,3.27
20	119.5	118.9	115.6	112.6	111.6	112.1	115.0	117.6	10- 20	33.59	45.31	12.7,12.7
30	111.0	110.2	105.5	101.2	99.44	100.5	104.5	108.4	20- 30	50.98	96.29	26.9,26.9
40	98.60	97.72	91.70	86.28	84.06	85.34	90.59	95.38	30- 40	61.63	157.9	44.1,44.1
50	82.94	81.98	74.88	68.27	65.77	67.41	73.52	79.10	40- 50	64.02	221.9	62,62
60	64.59	63.43	55.55	48.15	45.48	47.45	53.97	60.41	50- 60	57.87	279.8	78.2,78.2
70	44.13	42.85	33.82	27.10	24.63	26.57	32.89	39.51	60- 70	43.96	323.8	90.4,90.4
80	23.09	21.47	12.86	8.963	7.952	8.464	11.32	18.78	70- 80	25.11	348.9	97.4,97.4
90	6.571	4.915	0.1017	0.3107	0.1302	0.2185	0.0507	3.639	80- 90	7.570	356.5	99.6,99.6
100	0.5965	0.1014	0.1014	0.1160	0.1159	0.0942	0.0797	0.1309	90-100	0.9195	357.4	99.8,99.8
110	0.1160	0.1089	0.1087	0.1306	0.1160	0.1087	0.0943	0.0870	100-110	0.1218	357.5	99.8,99.8
120	0.1160	0.1450	0.1087	0.1377	0.1522	0.1087	0.1161	0.1015	110-120	0.1151	357.6	99.9,99.9
130	0.1160	0.1522	0.1087	0.1377	0.1595	0.1087	0.1305	0.1015	120-130	0.1118	357.7	99.9,99.9
140	0.1160	0.1667	0.1087	0.1740	0.1812	0.1087	0.1305	0.1015	130-140	0.1006	357.8	99.9,99.9
150	0.1305	0.1667	0.1232	0.1740	0.1885	0.1160	0.1377	0.1015	140-150	0.0868	357.9	100,100
160	0.1885	0.1522	0.1956	0.1812	0.2102	0.1304	0.1377	0.1160	150-160	0.0675	358.0	100,100
170	0.1667	0.1522	0.1740	0.1450	0.2101	0.1522	0.1377	0.1520	160-170	0.0450	358.0	100,100
180	0.1667	0.1667	0.1595	0.1450	0.2030	0.1740	0.1450	0.1522	170-180	0.0150	358.0	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:12.000V I:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15479	4439
80	13296	7405
75	12939	8942
70	12901	9888
65	12910	10680
60	12917	11110
55	12911	11424
50	12903	11650
45	12891	11831

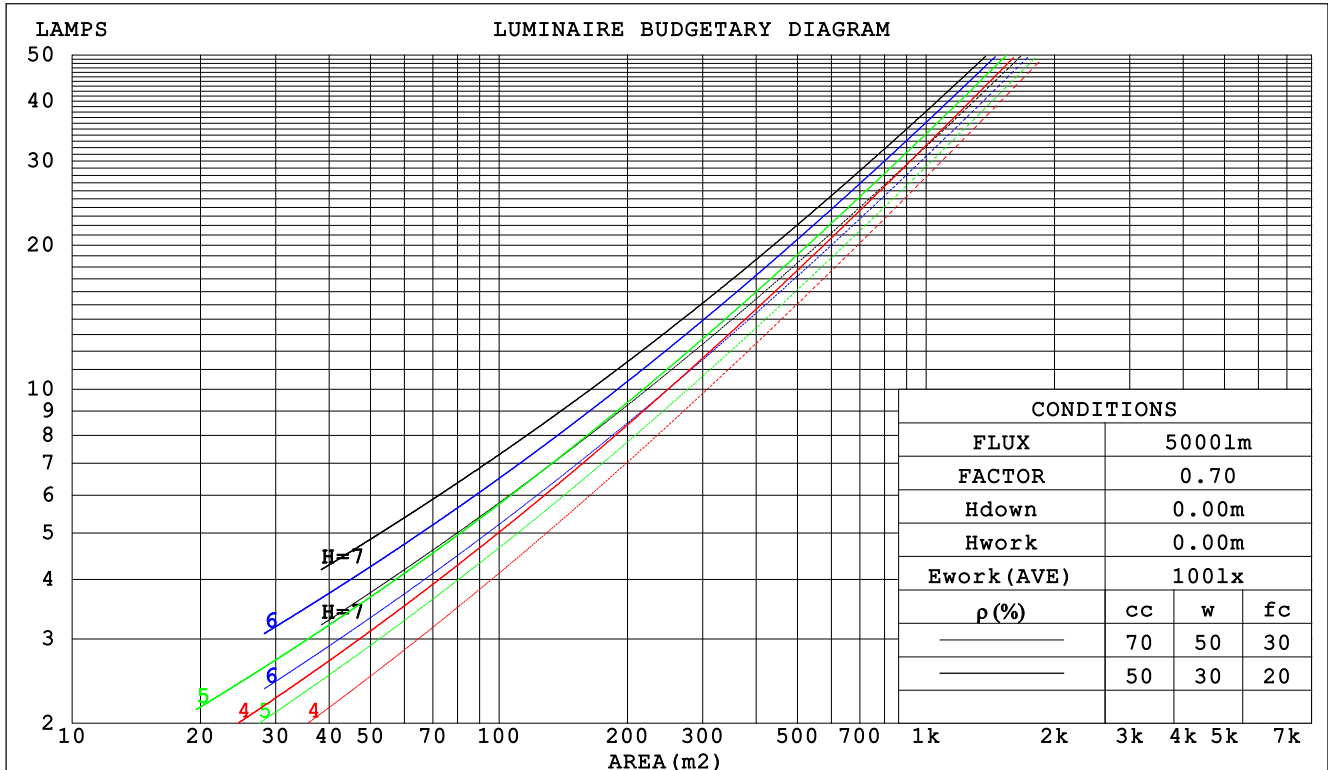
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24DEG  
Operators: SENPU  
Test Date: 2022-02-28

$\gamma$  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:12.000V I:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
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	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	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.74	.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	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.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

$\gamma$  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:12.000V I:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm					
NAME: YJ-VTC-HRB-2835X-12V-G01-2756			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:2022030103
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	.312	.178	.056	.305	.174	.055	.292	.167	.053	.279	.161	.052	.268	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.254	.143	.045	
3.0	.271	.144	.043	.265	.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	.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	.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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.184	.160	.138	.157	.137	.118	.108	.094	.082	.062	.055	.048	.020	.018	.015	
2.0	.176	.135	.101	.151	.116	.088	.103	.081	.061	.060	.047	.036	.019	.015	.012	
3.0	.168	.118	.078	.144	.102	.067	.099	.071	.047	.057	.041	.028	.018	.013	.009	
4.0	.160	.104	.062	.138	.090	.054	.095	.063	.038	.055	.037	.022	.018	.012	.007	
5.0	.153	.094	.051	.131	.081	.044	.091	.057	.031	.052	.033	.018	.017	.011	.006	
6.0	.146	.086	.043	.125	.074	.037	.086	.052	.026	.050	.031	.016	.016	.010	.005	
7.0	.139	.079	.037	.120	.068	.032	.083	.048	.023	.048	.028	.013	.016	.009	.004	
8.0	.133	.073	.032	.114	.063	.028	.079	.044	.020	.046	.026	.012	.015	.009	.004	
9.0	.126	.068	.029	.109	.059	.025	.075	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.121	.064	.026	.104	.055	.023	.072	.039	.016	.042	.023	.010	.014	.008	.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:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm										
NAME: YJ-VTC-HRB-2835X-12V-G01-2756					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:2022030103		
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	22.3	23.8	22.5	24.0	24.2	21.7	23.2	22.0	23.5	23.7
3H	24.1	25.5	24.4	25.7	26.0	23.2	24.6	23.5	24.9	25.1
4H	24.9	26.2	25.2	26.5	26.8	23.8	25.1	24.1	25.4	25.7
6H	25.6	26.8	25.9	27.1	27.4	24.2	25.4	24.5	25.7	26.0
8H	25.9	27.1	26.2	27.4	27.7	24.2	25.5	24.6	25.8	26.1
12H	26.1	27.3	26.5	27.6	27.9	24.3	25.4	24.6	25.7	26.1
4H 2H	22.9	24.3	23.2	24.5	24.8	22.5	23.8	22.8	24.1	24.4
3H	24.9	26.1	25.3	26.4	26.7	24.2	25.4	24.6	25.7	26.0
4H	25.9	27.0	26.3	27.3	27.6	24.9	26.0	25.3	26.3	26.7
6H	26.7	27.7	27.2	28.1	28.4	25.4	26.4	25.9	26.8	27.1
8H	27.1	28.0	27.5	28.4	28.8	25.6	26.5	26.0	26.9	27.2
12H	27.5	28.3	27.9	28.7	29.1	25.7	26.5	26.1	26.9	27.3
8H 4H	26.2	27.1	26.6	27.5	27.9	25.4	26.3	25.8	26.7	27.1
6H	27.3	28.0	27.7	28.4	28.9	26.1	26.8	26.6	27.3	27.7
8H	27.8	28.4	28.2	28.9	29.3	26.4	27.0	26.8	27.4	27.9
12H	28.3	28.8	28.8	29.3	29.8	26.5	27.1	27.0	27.5	28.0
12H 4H	26.2	27.0	26.7	27.4	27.9	25.5	26.3	25.9	26.7	27.1
6H	27.4	28.0	27.8	28.4	28.9	26.3	26.9	26.7	27.3	27.8
8H	27.9	28.5	28.4	28.9	29.4	26.6	27.1	27.0	27.6	28.1
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 / - 0.4					+ 0.2 / - 0.5				

CIE Pub.117, 358.0 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -3.6$ )

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:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
MFR.:	SUR.:	Shielding Angle:

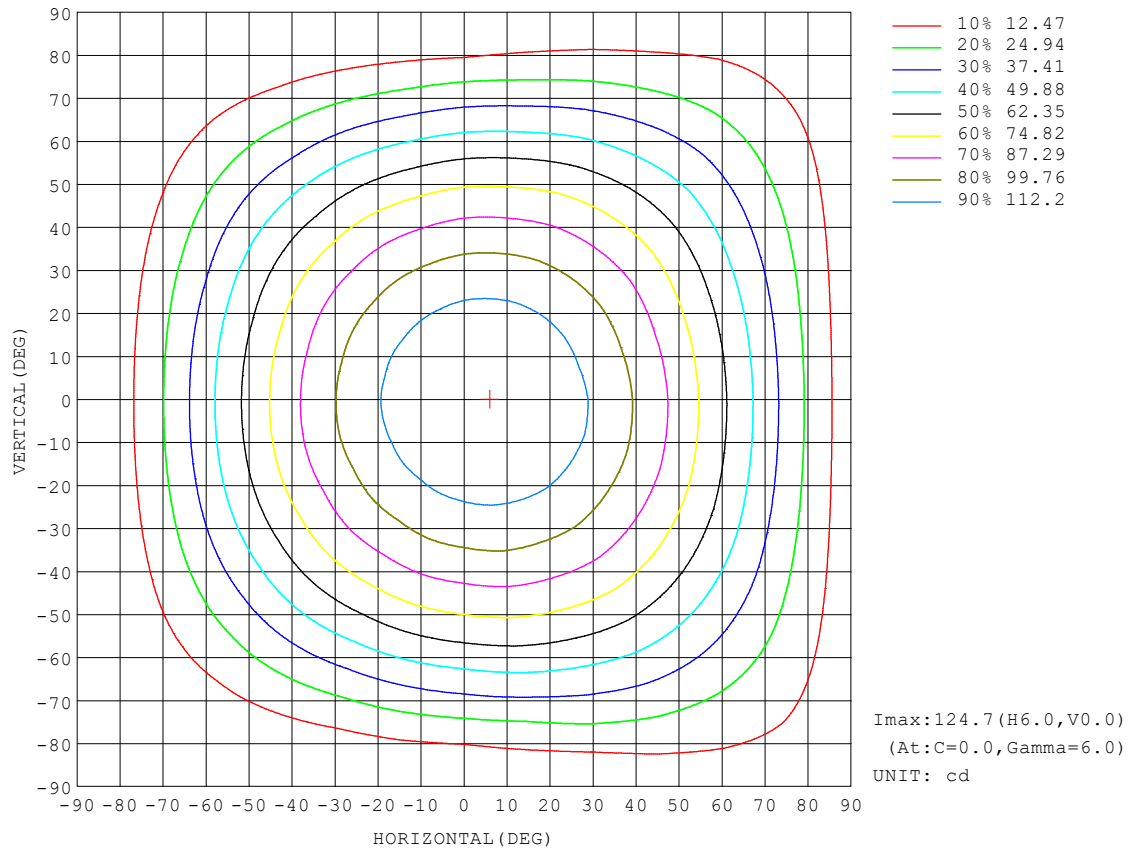
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
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	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	85
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:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
MFR.:	SUR.:	Shielding Angle:



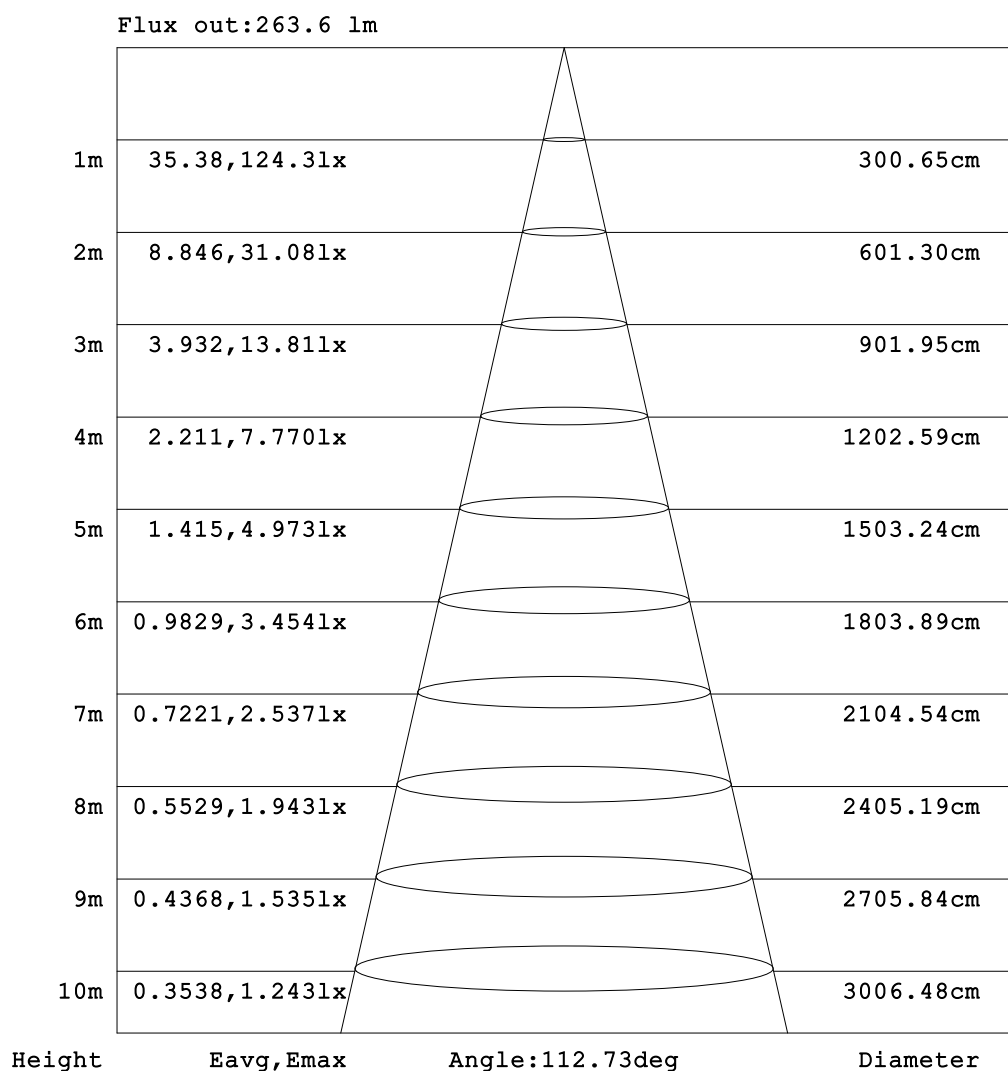
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24DEG  
Operators:SENPU  
Test Date:2022-02-28

$\gamma$  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:



## AAI Figure

Test:U:12.000V I:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
MFR.:	SUR.:	Shielding Angle:



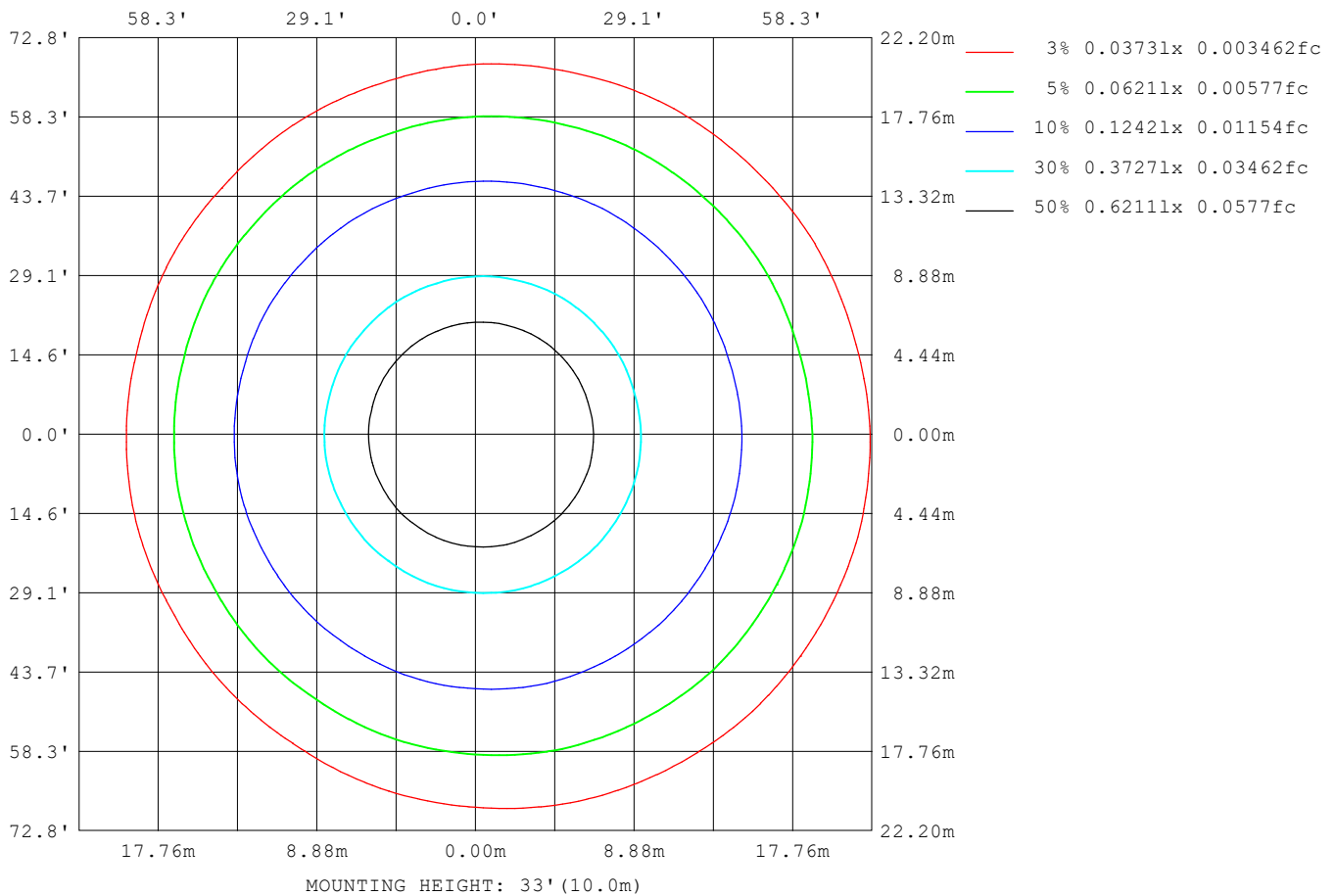
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
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:12.000V I:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
MFR.:	SUR.:	Shielding Angle:

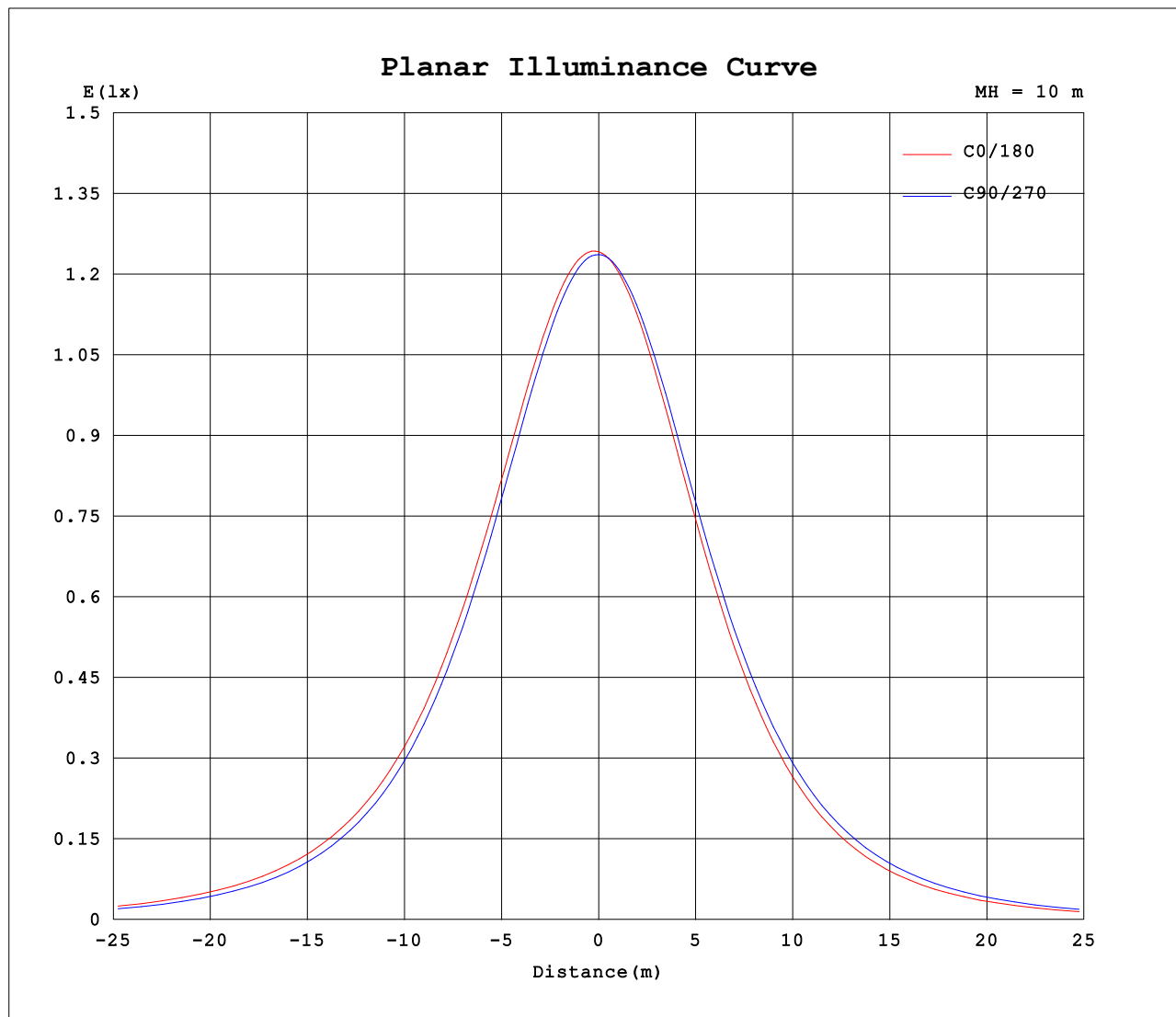
AvgL	cd/m2
L_0~180 (65) av	10594
L_0~180 (75) av	9435
L_0~180 (85) av	9090
L_90~270 (65) av	10489
L_90~270 (75) av	8794
L_90~270 (85) av	3618
L_45 (65) av	10503
L_45 (75) av	9165
L_45 (85) av	7779

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

$\gamma$  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:12.000V I:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
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	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
5	125	125	124	124	124	124	123	123	123	123	122	122	123	123	123	123	123	123	123
10	124	124	124	124	123	122	122	121	121	120	120	120	120	120	120	120	120	121	121
15	122	123	122	122	121	120	119	119	117	117	116	116	116	116	116	117	117	118	119
20	120	120	119	119	118	117	116	115	113	113	112	112	112	111	112	112	113	114	115
25	116	116	115	115	114	113	111	110	108	107	106	106	106	106	106	107	108	109	110
30	111	111	111	110	109	107	105	104	102	101	99.9	99.8	99.4	99.2	99.9	100	102	103	105
35	105	106	105	104	103	101	99.0	97.4	95.1	94.2	92.6	92.6	92.1	91.9	92.7	93.3	94.8	96.0	98.0
40	98.6	99.1	98.4	97.7	95.8	94.3	91.7	89.9	87.4	86.3	84.6	84.5	84.1	83.7	84.7	85.3	87.1	88.4	90.6
45	91.2	91.7	90.9	90.2	88.2	86.5	83.7	81.6	78.9	77.6	75.9	75.7	75.2	74.9	76.0	76.6	78.6	80.0	82.5
50	82.9	83.5	82.7	82.0	79.8	77.8	74.9	72.6	69.8	68.3	66.6	66.3	65.8	65.5	66.7	67.4	69.5	71.1	73.5
55	74.1	74.6	73.9	73.0	70.8	68.6	65.5	63.0	60.0	58.4	56.7	56.4	55.8	55.6	56.8	57.6	59.7	61.5	64.0
60	64.6	65.2	64.4	63.4	61.1	58.8	55.5	52.9	49.8	48.2	46.4	46.1	45.5	45.4	46.5	47.5	49.5	51.3	54.0
65	54.6	55.1	54.4	53.4	50.9	48.5	45.1	42.3	39.3	37.6	35.9	35.6	35.0	34.7	36.0	36.7	39.0	40.8	43.5
70	44.1	44.8	44.0	42.9	40.4	37.1	33.8	31.7	28.7	27.1	25.6	25.3	24.6	24.6	25.7	26.6	28.5	30.2	32.9
75	33.5	34.1	33.4	32.3	29.8	25.7	23.1	21.3	18.5	17.2	15.9	15.9	15.4	15.1	16.1	16.6	18.4	19.9	22.4
80	23.1	23.8	23.0	21.5	19.6	15.8	12.9	11.6	9.51	8.96	8.38	8.52	7.95	7.85	8.37	8.46	9.33	10.3	11.3
85	13.5	14.2	13.5	11.9	9.03	6.69	3.87	3.69	3.07	3.10	2.81	2.85	2.35	2.26	2.54	2.47	2.65	2.65	2.44
90	6.57	6.91	6.37	4.92	2.45	0.56	0.10	0.38	0.37	0.31	0.28	0.20	0.13	0.21	0.19	0.22	0.14	0.09	0.05
95	2.99	3.21	2.73	1.59	0.16	0.10	0.09	0.12	0.12	0.10	0.13	0.11	0.10	0.11	0.09	0.10	0.08	0.08	0.06
100	0.60	0.61	0.50	0.10	0.10	0.09	0.10	0.13	0.10	0.12	0.11	0.12	0.12	0.11	0.10	0.09	0.08	0.07	0.08
105	0.13	0.11	0.11	0.11	0.10	0.12	0.11	0.14	0.10	0.12	0.11	0.12	0.12	0.10	0.10	0.12	0.08	0.09	0.08
110	0.12	0.12	0.11	0.11	0.10	0.12	0.11	0.14	0.10	0.13	0.11	0.13	0.12	0.10	0.12	0.11	0.08	0.12	0.09
115	0.12	0.13	0.11	0.14	0.12	0.14	0.11	0.15	0.10	0.14	0.11	0.14	0.12	0.10	0.13	0.11	0.07	0.09	0.11
120	0.12	0.14	0.11	0.14	0.12	0.14	0.11	0.17	0.10	0.14	0.11	0.15	0.15	0.10	0.14	0.11	0.13	0.09	0.12
125	0.12	0.14	0.11	0.14	0.12	0.14	0.11	0.16	0.10	0.14	0.11	0.16	0.15	0.10	0.14	0.11	0.12	0.09	0.12
130	0.12	0.16	0.11	0.15	0.12	0.14	0.11	0.16	0.10	0.14	0.11	0.16	0.16	0.10	0.16	0.11	0.12	0.10	0.13
135	0.12	0.17	0.11	0.15	0.12	0.14	0.11	0.16	0.11	0.17	0.11	0.16	0.16	0.10	0.16	0.11	0.12	0.10	0.13
140	0.12	0.17	0.11	0.17	0.12	0.14	0.11	0.17	0.11	0.17	0.12	0.16	0.18	0.11	0.17	0.11	0.14	0.10	0.13
145	0.14	0.17	0.12	0.17	0.12	0.14	0.12	0.17	0.12	0.17	0.13	0.16	0.19	0.16	0.17	0.11	0.15	0.10	0.14
150	0.13	0.17	0.12	0.17	0.12	0.14	0.12	0.17	0.12	0.17	0.12	0.15	0.19	0.16	0.17	0.12	0.15	0.10	0.14
155	0.17	0.18	0.12	0.15	0.12	0.14	0.14	0.17	0.12	0.17	0.13	0.15	0.20	0.16	0.18	0.12	0.15	0.10	0.14
160	0.19	0.18	0.13	0.15	0.13	0.14	0.20	0.17	0.18	0.18	0.19	0.14	0.21	0.20	0.19	0.13	0.15	0.10	0.14
165	0.20	0.16	0.14	0.15	0.14	0.14	0.20	0.16	0.18	0.18	0.20	0.14	0.21	0.20	0.20	0.15	0.16	0.11	0.14
170	0.17	0.16	0.15	0.15	0.14	0.14	0.17	0.16	0.17	0.14	0.16	0.14	0.21	0.19	0.20	0.15	0.16	0.14	0.14
175	0.16	0.16	0.15	0.15	0.14	0.14	0.17	0.16	0.17	0.14	0.16	0.14	0.20	0.21	0.20	0.20	0.16	0.16	0.14
180	0.17	0.17	0.15	0.17	0.14	0.15	0.16	0.16	0.15	0.14	0.14	0.14	0.20	0.19	0.17	0.17	0.16	0.16	0.14

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:0.5790A P:6.9480W PF:1.0000 Freq:0Hz Lamp Flux:358.042x1 lm		
NAME: YJ-VTC-HRB-2835X-12V-G01-2756	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030103
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																	
	285	300	315	330	345													
0	124	124	124	124	124													
5	123	124	124	124	124													
10	122	122	123	123	123													
15	119	120	121	121	122													
20	116	117	118	118	119													
25	111	113	113	114	115													
30	106	107	108	109	110													
35	99.5	101	102	103	104													
40	92.2	94.2	95.4	96.7	97.2													
45	84.1	86.3	87.6	89.2	89.6													
50	75.3	77.8	79.1	80.8	81.3													
55	66.0	68.5	70.1	71.8	72.4													
60	56.2	58.7	60.4	62.2	63.0													
65	45.4	48.3	49.9	52.0	52.7													
70	35.0	37.7	39.5	41.5	42.5													
75	24.4	27.2	28.9	30.9	31.8													
80	14.4	17.1	18.8	20.7	21.5													
85	5.55	8.01	9.69	11.4	12.1													
90	0.74	2.20	3.64	5.04	5.79													
95	0.09	0.26	0.85	2.04	2.59													
100	0.10	0.09	0.13	0.19	0.42													
105	0.09	0.09	0.09	0.09	0.09													
110	0.12	0.10	0.09	0.09	0.09													
115	0.12	0.11	0.09	0.09	0.11													
120	0.12	0.12	0.10	0.12	0.12													
125	0.12	0.12	0.10	0.12	0.12													
130	0.10	0.12	0.10	0.14	0.13													
135	0.10	0.13	0.10	0.14	0.13													
140	0.10	0.13	0.10	0.14	0.13													
145	0.10	0.13	0.10	0.15	0.13													
150	0.10	0.13	0.10	0.15	0.13													
155	0.10	0.13	0.11	0.15	0.13													
160	0.12	0.13	0.12	0.16	0.15													
165	0.12	0.13	0.12	0.16	0.14													
170	0.12	0.13	0.15	0.16	0.14													
175	0.12	0.13	0.15	0.16	0.14													
180	0.12	0.13	0.15	0.16	0.14													

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: