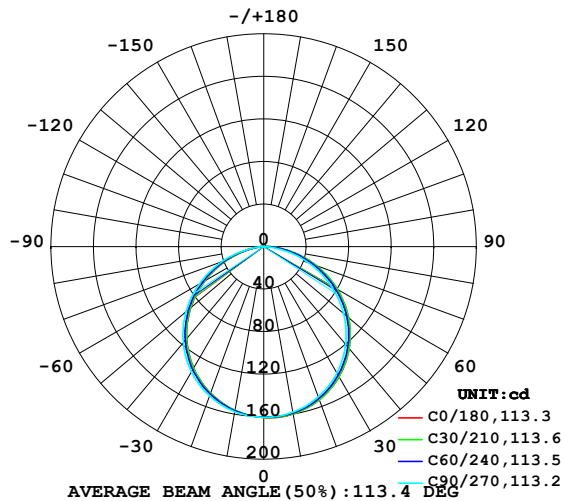


## LUMINAIRE PHOTOMETRIC TEST REPORT

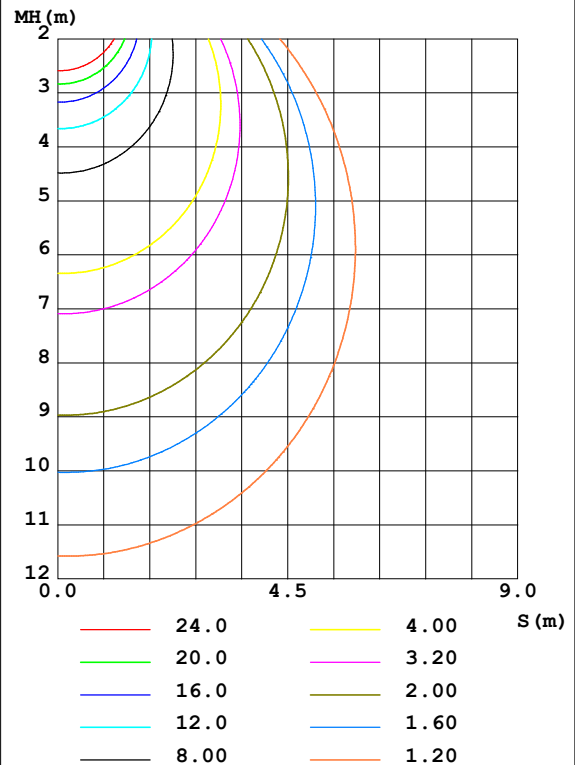
Test:U:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.08 lm/W			
MODEL	V120-24-3256LB10-W	Imax(cd)	161.1	S/MH(C0/180)	1.23
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	462.99	$\eta$ UP,DN(C0-180)	0.2,51.0
NOMINAL FLUX(lm)	462.988	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.1,48.7
LAMPS INSIDE	1	$\eta$ up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ 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: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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

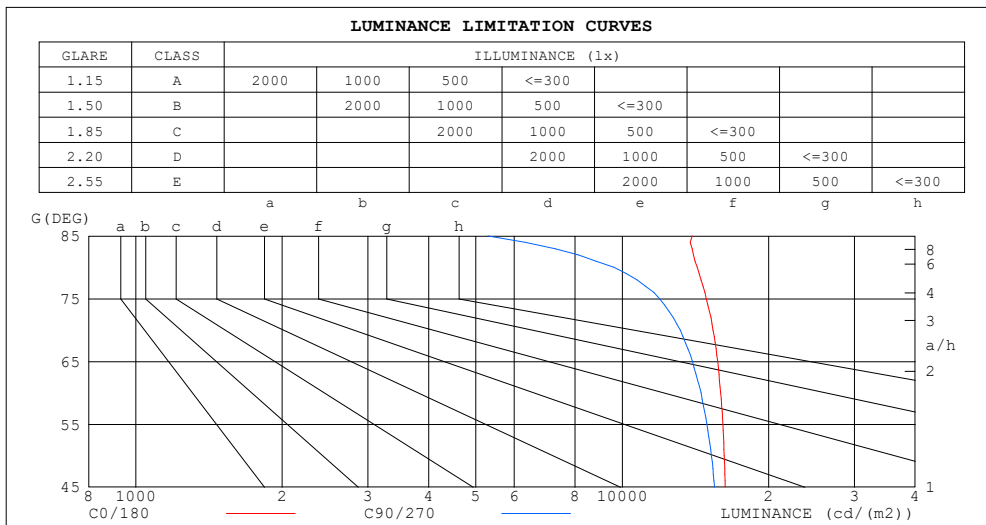
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	159.8	159.4	158.1	157.4	156.4	156.3	157.6	159.0	0- 10	15.21	15.21	3.29,3.29
20	153.2	152.9	150.3	148.4	146.6	146.8	149.3	151.5	10- 20	43.64	58.85	12.7,12.7
30	141.5	141.2	137.5	134.6	131.9	132.4	135.9	139.0	20- 30	66.33	125.2	27,27
40	125.0	124.6	119.9	116.0	112.7	113.5	117.8	121.6	30- 40	80.31	205.5	44.4,44.4
50	104.2	103.8	98.05	93.33	89.76	90.54	95.63	99.94	40- 50	83.56	289.1	62.4,62.4
60	79.69	79.22	72.60	67.21	63.48	64.56	69.80	74.87	50- 60	75.50	364.6	78.7,78.7
70	52.59	51.85	45.01	39.28	36.00	37.01	42.06	47.18	60- 70	57.08	421.6	91.1,91.1
80	24.76	24.73	16.72	13.90	10.82	11.70	13.24	19.98	70- 80	31.88	453.5	98,98
90	4.470	3.784	0.1087	0.3683	0.1373	0.2478	0.0507	1.876	80- 90	8.125	461.6	99.7,99.7
100	0.6389	0.1160	0.0942	0.1305	0.0871	0.0797	0.0797	0.0797	90-100	0.5253	462.2	99.8,99.8
110	0.1305	0.1305	0.1087	0.1595	0.1160	0.1014	0.1016	0.0797	100-110	0.1207	462.3	99.9,99.9
120	0.1305	0.1667	0.1087	0.1885	0.1523	0.1160	0.1160	0.0871	110-120	0.1234	462.4	99.9,99.9
130	0.1305	0.1957	0.1376	0.2030	0.2029	0.1160	0.1450	0.1015	120-130	0.1282	462.5	99.9,99.9
140	0.2029	0.2247	0.1594	0.2247	0.2030	0.1305	0.1740	0.1306	130-140	0.1314	462.7	99.9,99.9
150	0.2247	0.2247	0.2175	0.2247	0.2392	0.2030	0.1740	0.1957	140-150	0.1264	462.8	100,100
160	0.2247	0.2247	0.2390	0.2247	0.2392	0.2174	0.2175	0.2102	150-160	0.1004	462.9	100,100
170	0.2101	0.2102	0.2175	0.2247	0.2392	0.2175	0.2319	0.2247	160-170	0.0633	463.0	100,100
180	0.2392	0.2392	0.2030	0.2102	0.2392	0.2175	0.2102	0.2175	170-180	0.0210	463.0	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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13914	5293
80	14260	9627
75	14894	11928
70	15375	13160
65	15716	13941
60	15939	14521
55	16097	14940
50	16210	15254
45	16285	15481

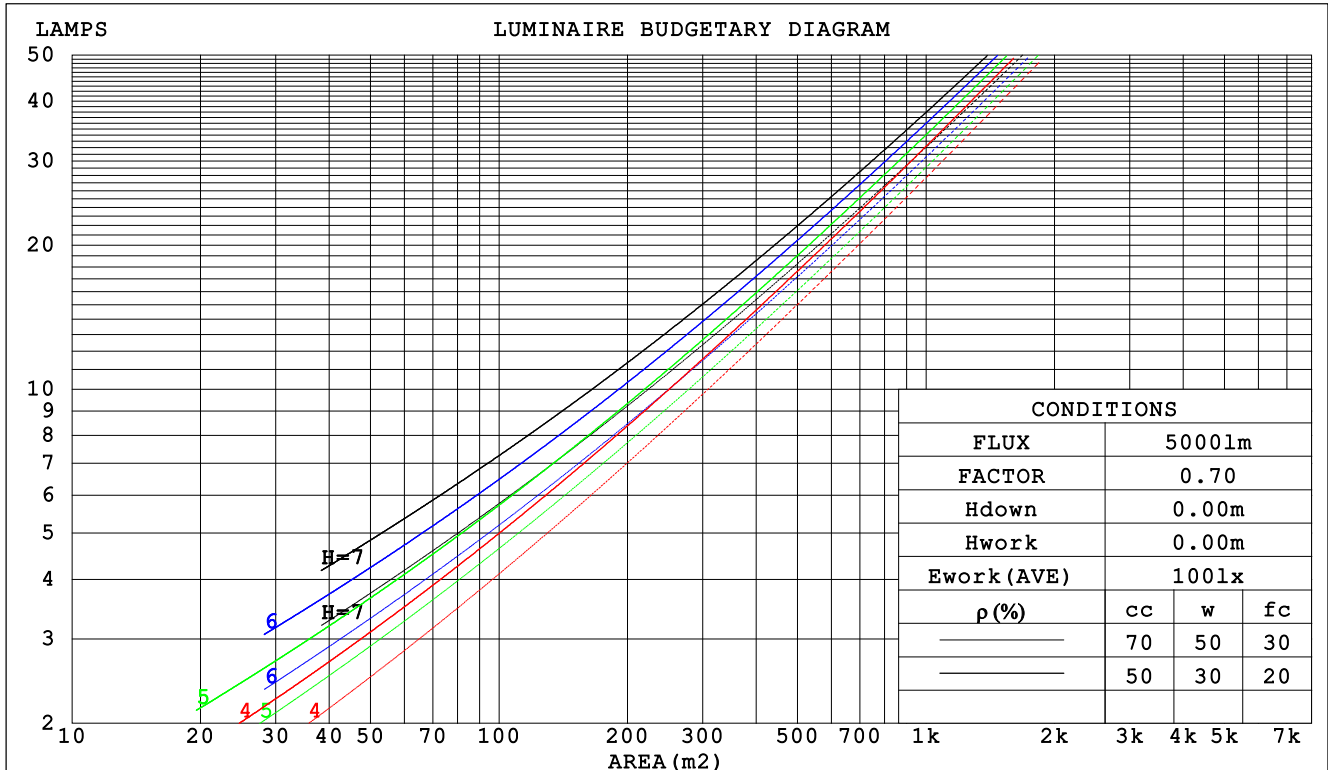
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24DEG  
Operators:SENPU  
Test Date:2022-02-28

$\gamma$  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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
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	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
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	.62	.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	.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

$\gamma$  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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
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 .159 .049	.285 .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 .124 .037	.226 .121 .037	.218 .118 .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 .030	.202 .104 .030	.195 .102 .030	.189 .100 .030	
7.0	.199 .098 .028	.195 .097 .028	.189 .095 .027	.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 .083 .023	.166 .082 .023	.161 .081 .023	.156 .079 .023	
10.0	.164 .078 .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	.193 .193 .193	.165 .165 .165	.112 .112 .112	.065 .065 .065	.021 .021 .021	
1.0	.182 .158 .137	.156 .136 .118	.107 .094 .081	.061 .054 .047	.020 .017 .015	
2.0	.174 .134 .100	.149 .115 .087	.102 .080 .061	.059 .046 .035	.019 .015 .012	
3.0	.167 .117 .077	.143 .101 .066	.098 .070 .047	.057 .041 .027	.018 .013 .009	
4.0	.159 .103 .061	.136 .089 .053	.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 .026	.050 .030 .015	.016 .010 .005	
7.0	.138 .078 .035	.118 .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 .063 .025	.103 .054 .022	.071 .038 .015	.042 .023 .009	.014 .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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm											
NAME: YJ-VTC-HRB-2835X-24V-G01-3256					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:2022030108			
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	22.9	24.4	23.2	24.6	24.8	22.6	24.1	22.8	24.3	24.5	
	3H	24.6	26.0	24.9	26.2	26.5	24.1	25.5	24.4	25.7	26.0
	4H	25.3	26.7	25.6	26.9	27.2	24.7	26.0	25.0	26.3	26.5
	6H	25.9	27.2	26.2	27.4	27.7	25.1	26.3	25.4	26.6	26.9
	8H	26.1	27.3	26.4	27.6	27.9	25.1	26.4	25.5	26.7	26.9
	12H	26.2	27.4	26.6	27.7	28.0	25.2	26.3	25.5	26.6	26.9
4H	2H	23.5	24.9	23.9	25.1	25.4	23.3	24.6	23.6	24.9	25.1
	3H	25.4	26.6	25.8	26.9	27.2	25.0	26.2	25.4	26.5	26.8
	4H	26.3	27.4	26.7	27.7	28.0	25.7	26.8	26.1	27.1	27.5
	6H	27.0	28.0	27.4	28.3	28.7	26.3	27.2	26.7	27.6	27.9
	8H	27.3	28.2	27.7	28.6	28.9	26.4	27.3	26.8	27.7	28.1
	12H	27.5	28.3	27.9	28.7	29.1	26.5	27.3	26.9	27.7	28.1
8H	4H	26.6	27.5	27.0	27.9	28.2	26.1	27.0	26.5	27.4	27.8
	6H	27.5	28.2	28.0	28.6	29.1	26.8	27.6	27.3	28.0	28.4
	8H	27.9	28.5	28.4	29.0	29.4	27.1	27.7	27.5	28.1	28.6
	12H	28.2	28.8	28.7	29.2	29.7	27.2	27.7	27.7	28.2	28.7
12H	4H	26.6	27.4	27.1	27.8	28.2	26.2	27.0	26.6	27.4	27.8
	6H	27.6	28.2	28.0	28.7	29.1	26.9	27.6	27.4	28.0	28.5
	8H	28.0	28.6	28.5	29.0	29.5	27.2	27.8	27.7	28.2	28.7
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, 463.0 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -2.7$ )

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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
MFR.:	SUR.:	Shielding Angle:

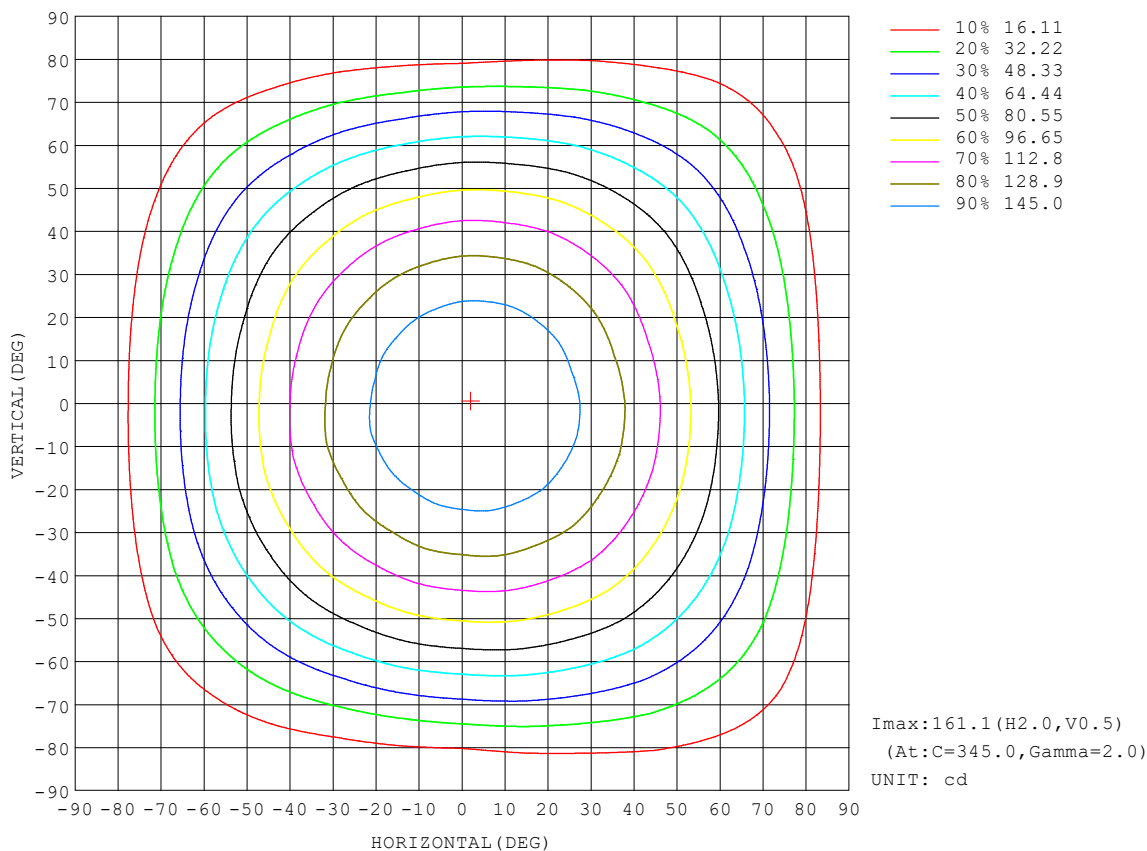
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	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	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: 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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
MFR.:	SUR.:	Shielding Angle:



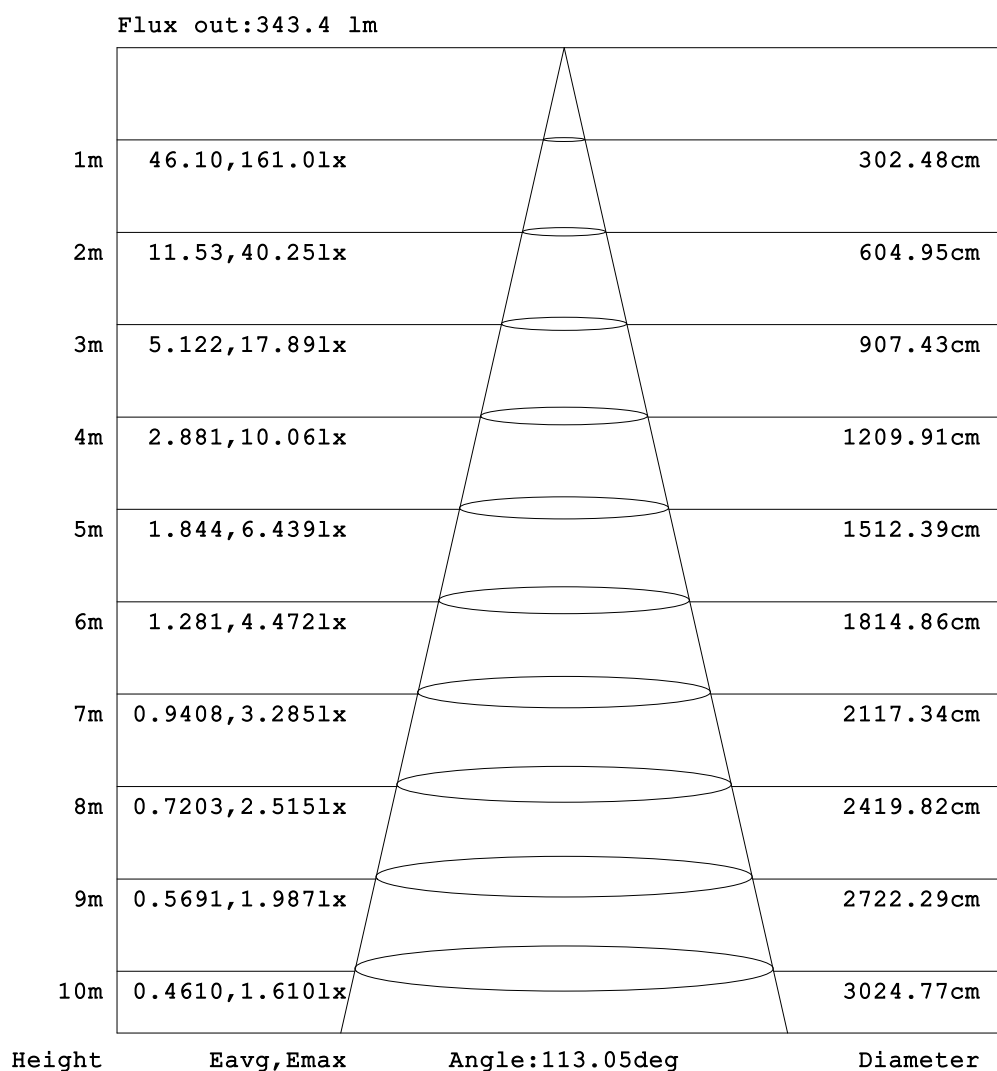
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24DEG  
Operators:SENPU  
Test Date:2022-02-28

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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
MFR.:	SUR.:	Shielding Angle:



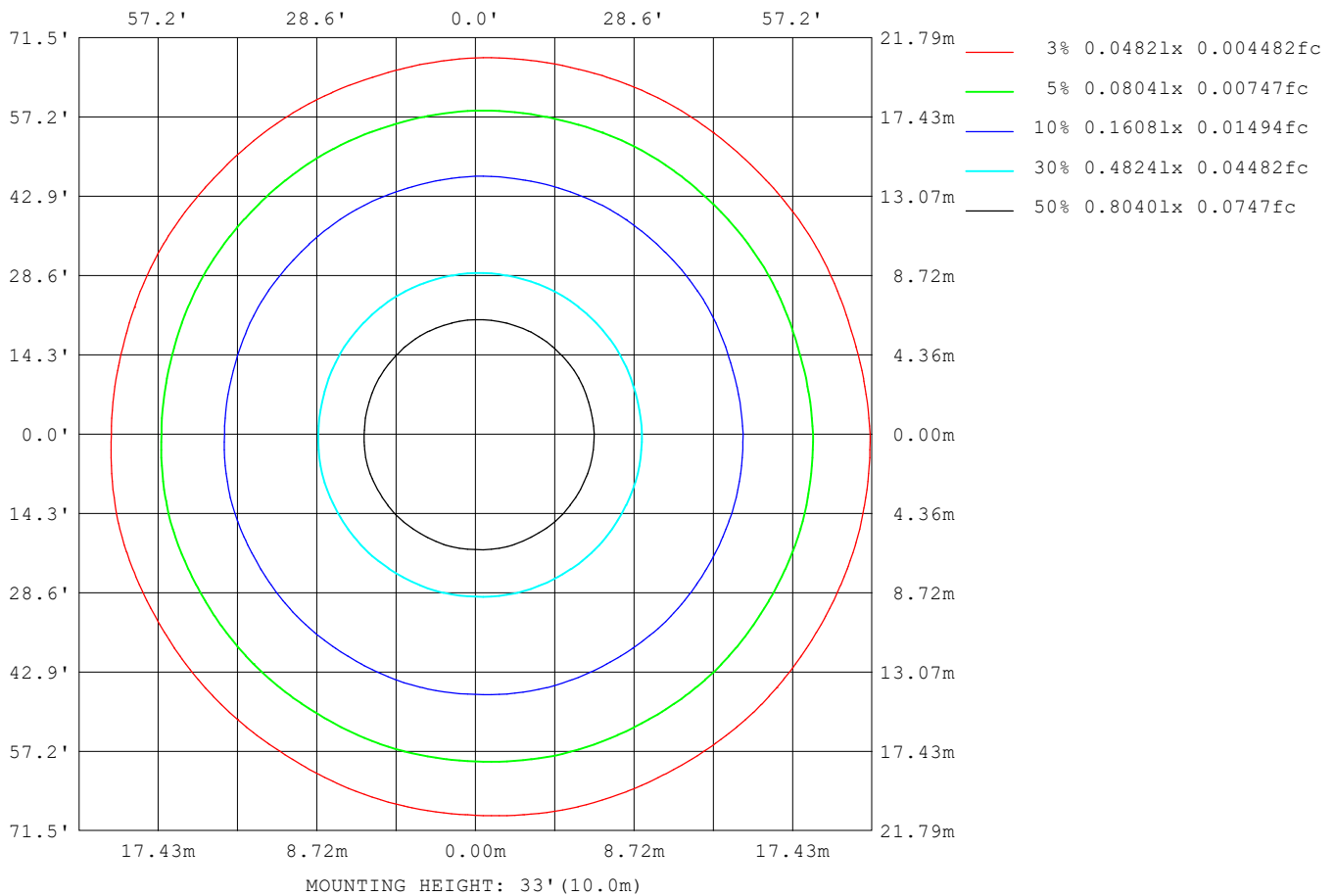
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
MFR.:	SUR.:	Shielding Angle:

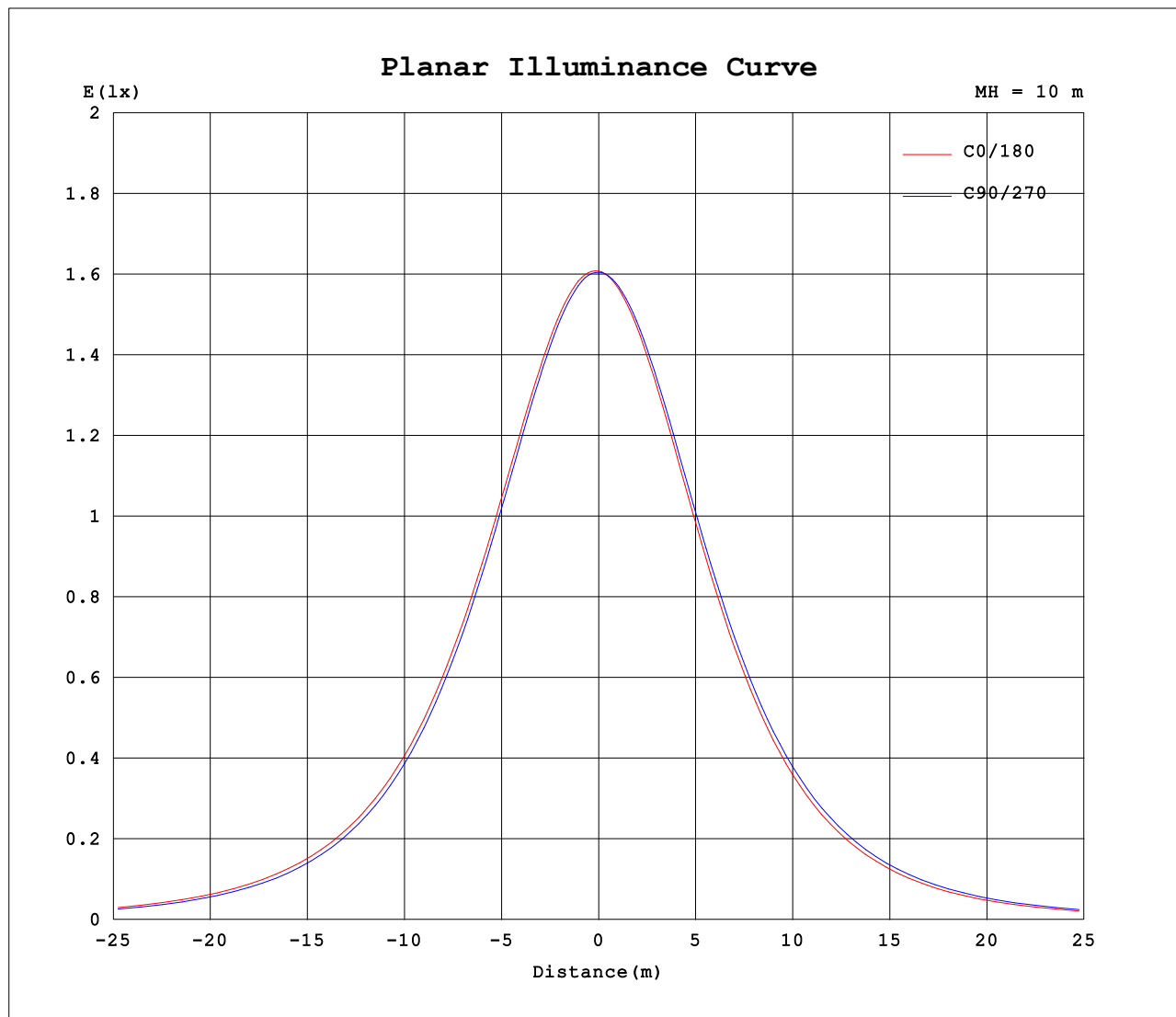
AvgL	cd/m2
L_0~180 (65) av	13747
L_0~180 (75) av	11839
L_0~180 (85) av	8497
L_90~270 (65) av	13603
L_90~270 (75) av	11280
L_90~270 (85) av	4181
L_45 (65) av	13639
L_45 (75) av	11678
L_45 (85) av	8005

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

$\gamma$  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:

## 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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
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	161	161	161	161	160	161	161	161	161	161	161	161	161	161	161	161	160	161	161
5	161	161	161	161	160	160	160	160	160	160	160	160	159	159	159	159	159	160	160
10	160	160	160	159	159	159	158	158	157	157	157	157	156	156	156	156	157	157	158
15	157	157	157	157	156	156	155	155	154	154	153	153	152	152	152	152	153	153	154
20	153	153	153	153	152	152	150	150	149	148	148	148	147	146	147	147	148	148	149
25	148	148	148	148	147	146	145	144	143	142	141	141	140	139	140	140	141	142	143
30	142	142	141	141	140	139	137	137	135	135	133	134	132	131	132	132	134	134	136
35	134	134	134	134	132	131	129	128	126	126	125	125	123	122	123	124	125	126	127
40	125	126	125	125	123	122	120	119	117	116	115	115	113	112	113	114	115	116	118
45	115	116	115	115	113	112	109	108	106	105	104	104	102	101	102	102	104	105	107
50	104	105	104	104	102	101	98.1	96.6	94.3	93.3	91.9	91.7	89.8	89.0	90.2	90.5	92.4	93.3	95.6
55	92.3	93.1	92.3	91.9	89.9	88.5	85.7	84.2	81.7	80.7	79.1	79.1	77.0	76.3	77.5	77.8	79.7	80.8	83.1
60	79.7	80.5	79.7	79.2	77.0	75.5	72.6	70.9	68.3	67.2	65.8	65.6	63.5	63.1	64.0	64.6	66.2	67.6	69.8
65	66.4	67.1	66.4	65.7	63.6	61.9	58.9	57.0	54.5	53.3	51.9	51.9	49.8	49.1	50.3	50.6	52.4	53.5	56.1
70	52.6	53.3	52.6	51.8	49.8	48.0	45.0	42.9	40.4	39.3	38.0	38.0	36.0	35.6	36.6	37.0	38.6	39.7	42.1
75	38.5	39.3	38.6	38.0	35.9	33.9	30.9	28.6	26.8	26.0	24.7	24.7	22.7	22.2	23.4	23.7	25.3	26.0	27.5
80	24.8	25.8	25.1	24.7	22.4	20.4	16.7	15.9	14.3	13.9	12.7	12.6	10.8	10.6	11.4	11.7	12.7	13.1	13.2
85	12.1	13.1	12.8	12.4	10.1	8.00	4.61	5.11	4.28	4.24	3.77	3.82	2.69	2.69	3.11	3.14	3.39	3.35	2.68
90	4.47	4.92	4.70	3.78	1.52	0.56	0.11	0.45	0.44	0.37	0.35	0.30	0.14	0.20	0.19	0.25	0.22	0.19	0.05
95	1.44	1.54	0.70	0.84	0.17	0.12	0.09	0.12	0.12	0.12	0.15	0.12	0.09	0.09	0.08	0.09	0.08	0.08	0.06
100	0.64	0.65	0.17	0.12	0.11	0.13	0.09	0.12	0.12	0.13	0.12	0.12	0.09	0.08	0.10	0.08	0.09	0.08	0.08
105	0.13	0.12	0.11	0.13	0.11	0.14	0.11	0.14	0.12	0.13	0.12	0.14	0.10	0.08	0.10	0.09	0.11	0.08	0.09
110	0.13	0.13	0.11	0.13	0.11	0.15	0.11	0.14	0.12	0.16	0.12	0.17	0.12	0.09	0.12	0.10	0.12	0.09	0.10
115	0.13	0.14	0.11	0.15	0.11	0.16	0.11	0.16	0.12	0.18	0.12	0.17	0.13	0.09	0.14	0.12	0.13	0.10	0.11
120	0.13	0.16	0.11	0.17	0.11	0.17	0.11	0.18	0.12	0.19	0.12	0.18	0.15	0.09	0.15	0.12	0.15	0.10	0.12
125	0.13	0.18	0.12	0.18	0.12	0.19	0.11	0.19	0.14	0.20	0.13	0.20	0.17	0.10	0.17	0.12	0.16	0.10	0.14
130	0.13	0.19	0.14	0.20	0.13	0.20	0.14	0.20	0.14	0.20	0.15	0.22	0.20	0.12	0.18	0.12	0.17	0.10	0.14
135	0.17	0.22	0.14	0.20	0.14	0.20	0.14	0.22	0.17	0.22	0.18	0.22	0.21	0.13	0.19	0.12	0.19	0.12	0.17
140	0.20	0.22	0.15	0.22	0.18	0.22	0.16	0.22	0.21	0.22	0.22	0.22	0.20	0.15	0.21	0.13	0.20	0.12	0.17
145	0.22	0.22	0.20	0.22	0.20	0.22	0.20	0.23	0.21	0.22	0.22	0.22	0.21	0.20	0.22	0.20	0.20	0.17	0.17
150	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.22	0.22	0.22	0.22	0.24	0.22	0.22	0.20	0.22	0.18	0.17
155	0.22	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.24	0.22	0.22	0.20	0.22	0.19	0.17
160	0.22	0.22	0.22	0.22	0.23	0.22	0.24	0.22	0.22	0.22	0.22	0.22	0.24	0.22	0.22	0.22	0.23	0.22	0.22
165	0.23	0.22	0.23	0.22	0.23	0.21	0.24	0.22	0.22	0.22	0.22	0.21	0.24	0.22	0.22	0.22	0.24	0.22	0.22
170	0.21	0.22	0.22	0.21	0.22	0.21	0.22	0.22	0.23	0.22	0.22	0.18	0.24	0.22	0.22	0.22	0.22	0.22	0.23
175	0.20	0.22	0.22	0.21	0.22	0.22	0.22	0.21	0.22	0.22	0.22	0.20	0.24	0.22	0.22	0.22	0.22	0.23	0.22
180	0.24	0.22	0.22	0.24	0.21	0.22	0.20	0.20	0.21	0.21	0.21	0.20	0.24	0.22	0.22	0.22	0.21	0.21	0.21

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:24.000V I:0.3440A P:8.2560W PF:1.0000 Freq:0Hz Lamp Flux:462.988x1 lm		
NAME: YJ-VTC-HRB-2835X-24V-G01-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2022030108
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	161	161	161	161	161														
5	160	160	161	161	161														
10	158	159	159	159	159														
15	155	155	156	157	156														
20	150	151	152	152	152														
25	144	145	146	147	147														
30	137	138	139	140	140														
35	128	130	131	132	132														
40	119	121	122	123	123														
45	108	110	111	113	113														
50	96.9	99.0	99.9	102	102														
55	84.4	86.7	87.8	89.6	90.0														
60	71.1	73.6	74.9	76.7	77.2														
65	57.6	59.8	61.0	63.1	63.7														
70	43.6	45.8	47.2	49.1	49.7														
75	29.7	32.0	33.1	35.1	35.7														
80	16.2	18.8	20.0	21.7	22.0														
85	5.03	6.89	8.17	9.60	10.0														
90	0.51	1.16	1.88	2.86	3.32														
95	0.09	0.09	0.41	0.72	1.04														
100	0.10	0.07	0.08	0.13	0.41														
105	0.11	0.09	0.08	0.09	0.09														
110	0.10	0.11	0.08	0.10	0.09														
115	0.10	0.12	0.08	0.12	0.10														
120	0.10	0.13	0.09	0.14	0.10														
125	0.10	0.15	0.09	0.14	0.10														
130	0.11	0.16	0.10	0.17	0.11														
135	0.12	0.17	0.12	0.19	0.12														
140	0.12	0.18	0.13	0.20	0.15														
145	0.13	0.19	0.18	0.22	0.20														
150	0.15	0.22	0.20	0.22	0.21														
155	0.19	0.21	0.20	0.22	0.22														
160	0.21	0.22	0.21	0.22	0.22														
165	0.22	0.22	0.21	0.22	0.23														
170	0.22	0.22	0.22	0.22	0.23														
175	0.22	0.21	0.23	0.22	0.23														
180	0.20	0.20	0.22	0.21	0.22														

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: