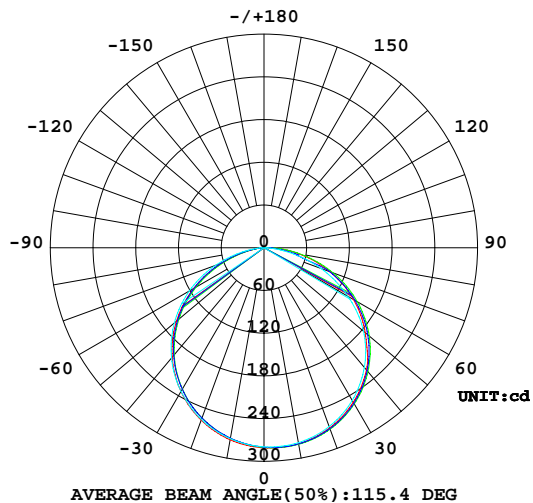


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

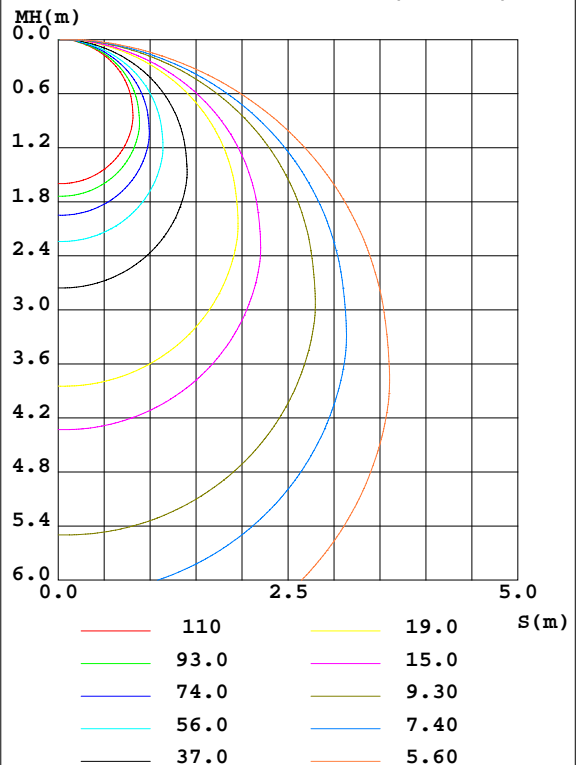
DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.22 lm/W			
MODEL		I _{max} (cd)	281.5	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	825.93	η UP,DN(C0-180)	0.0,51.5
NOMINAL FLUX(lm)	825.934	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



— C0/180,115.4 Ic=281.5
— C30/210,115.8 Ic=281.5
— C60/240,115.6 Ic=281.0
— C90/270,114.9 Ic=280.0

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [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	279.6	280.1	278.0	273.9	273.9	271.5	272.4	275.6	0- 10	26.50	26.50	3.21,3.21
20	269.4	271.1	267.3	259.7	257.7	254.3	256.7	263.4	10- 20	76.20	102.7	12.4,12.4
30	250.7	253.2	247.7	236.7	233.2	229.0	233.0	243.0	20- 30	116.4	219.1	26.5,26.5
40	223.9	226.8	219.3	205.2	200.6	196.2	202.1	215.1	30- 40	141.8	360.9	43.7,43.7
50	185.6	192.2	182.6	165.6	160.5	156.6	164.4	180.1	40- 50	148.9	509.8	61.7,61.7
60	145.1	150.1	135.9	118.9	113.9	111.0	120.9	138.8	50- 60	136.0	645.8	78.2,78.2
70	99.00	101.0	85.24	67.44	63.04	61.69	72.69	92.18	60- 70	104.1	749.9	90.8,90.8
80	50.10	49.67	32.76	21.40	18.59	17.97	26.08	44.18	70- 80	58.63	808.6	97.9,97.9
90	12.14	9.379	0.3827	1.318	1.408	1.014	0.4332	9.148	80- 90	17.36	825.9	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 435.74 lm

%lum = 52.8%

%lamp = 52.8%

Conical surface Flux(120deg): 645.83 lm

%lum = 78.2%

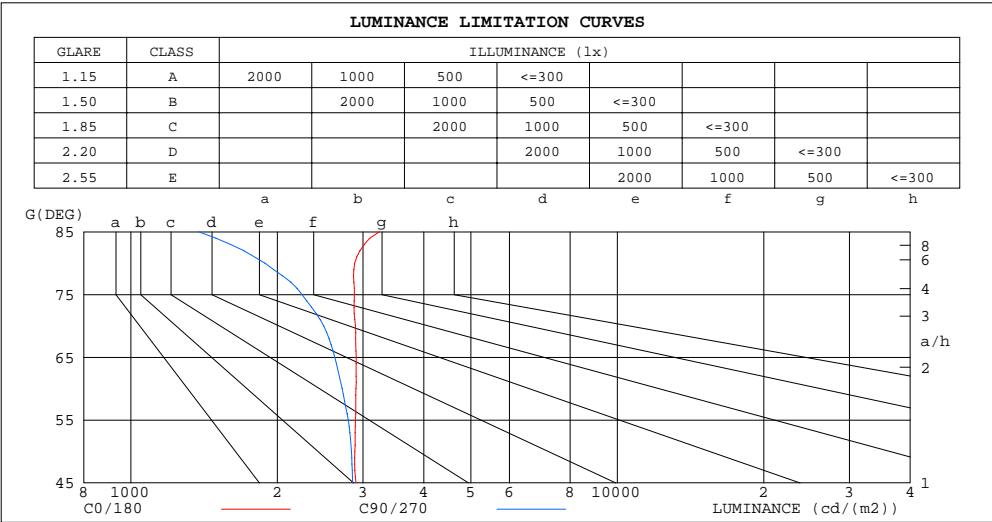
%lamp = 78.2%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Q
 Test Date:2025-04-03

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3242	1380
80	2885	1887
75	2880	2248
70	2895	2492
65	2907	2626
60	2902	2718
55	2895	2798
50	2887	2841
45	2903	2856

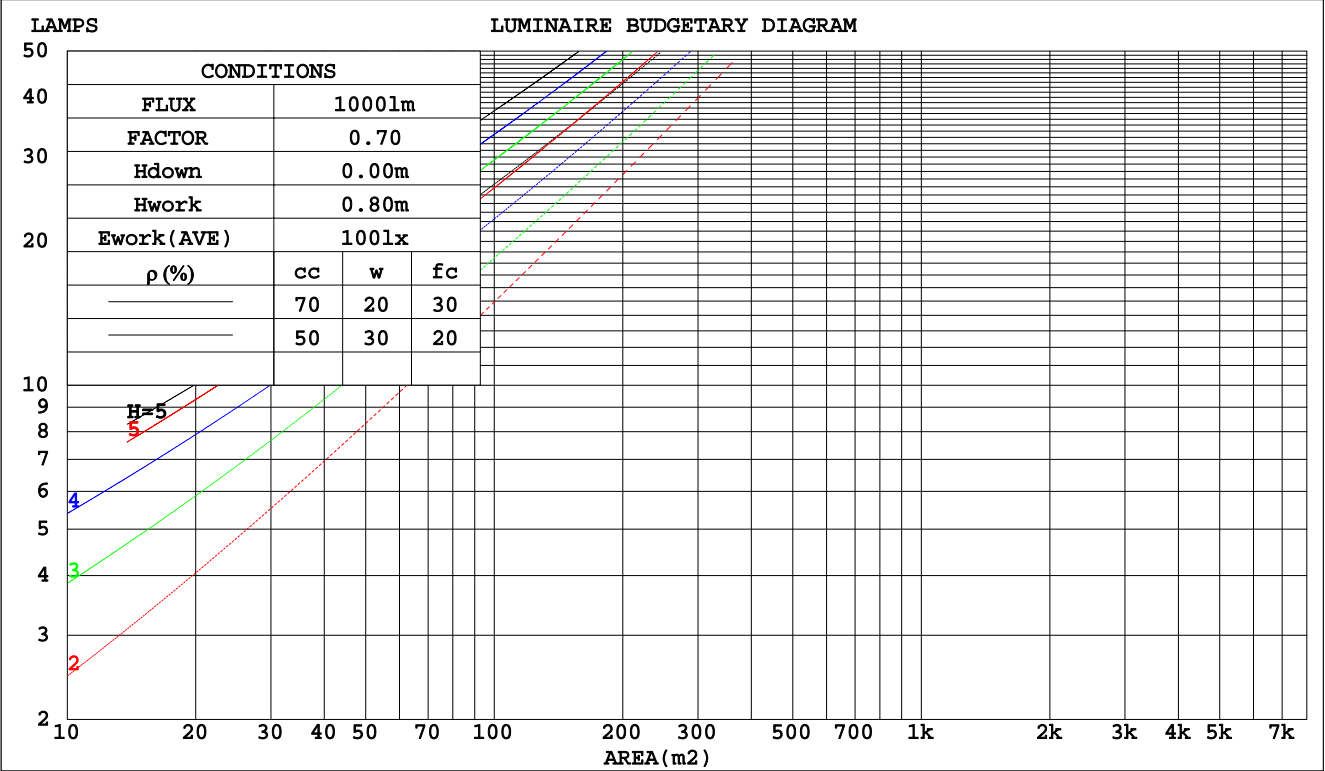
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm					
NAME: 2835-96D-24V-WW			TYPE:LED Strip Light		WEIGHT:
SPEC.:300MM*10MM			DIM.: 300MM*10MM		SERIAL No.:
MFR.: LEDFLEX			SUR.:		Shielding Angle:300MM*10MM

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	.314	.179	.057	.307	.175	.056	.294	.168	.054	.281	.162	.052	.270	.157	.050	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.272	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Q
 Test Date:2025-04-03

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

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	17.8	19.4	18.1	19.6	19.8	17.6	19.1	17.9	19.3	19.6
3H	19.6	21.0	19.9	21.2	21.5	19.2	20.6	19.5	20.8	21.1
4H	20.4	21.7	20.7	22.0	22.2	19.8	21.1	20.1	21.4	21.6
6H	21.0	22.3	21.3	22.5	22.8	20.2	21.4	20.5	21.7	22.0
8H	21.2	22.5	21.6	22.8	23.1	20.3	21.5	20.6	21.8	22.1
12H	21.5	22.6	21.8	22.9	23.2	20.3	21.5	20.6	21.7	22.1
4H 2H	18.5	19.9	18.8	20.1	20.4	18.4	19.7	18.7	20.0	20.2
3H	20.5	21.7	20.9	22.0	22.3	20.1	21.3	20.5	21.6	21.9
4H	21.4	22.5	21.8	22.8	23.2	20.8	21.9	21.2	22.2	22.6
6H	22.2	23.2	22.6	23.5	23.9	21.3	22.3	21.7	22.6	23.0
8H	22.5	23.4	23.0	23.8	24.2	21.4	22.3	21.8	22.7	23.1
12H	22.8	23.7	23.3	24.0	24.4	21.4	22.3	21.9	22.7	23.1
8H 4H	21.8	22.7	22.2	23.0	23.4	21.2	22.1	21.6	22.5	22.9
6H	22.8	23.5	23.2	23.9	24.3	21.8	22.6	22.3	23.0	23.4
8H	23.2	23.9	23.7	24.3	24.7	22.0	22.7	22.5	23.1	23.5
12H	23.6	24.2	24.1	24.6	25.1	22.1	22.7	22.6	23.1	23.6
12H 4H	21.8	22.6	22.2	23.0	23.4	21.3	22.1	21.7	22.5	22.9
6H	22.8	23.5	23.3	23.9	24.4	22.0	22.6	22.4	23.1	23.5
8H	23.4	23.9	23.8	24.4	24.8	22.2	22.8	22.7	23.2	23.7
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 / - 0.3				
2.0H	+ 0.1 / - 0.4					+ 0.3 / - 0.6				

CIE Pub.117, 825.9 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.7$)
Area: 0.1 m²

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

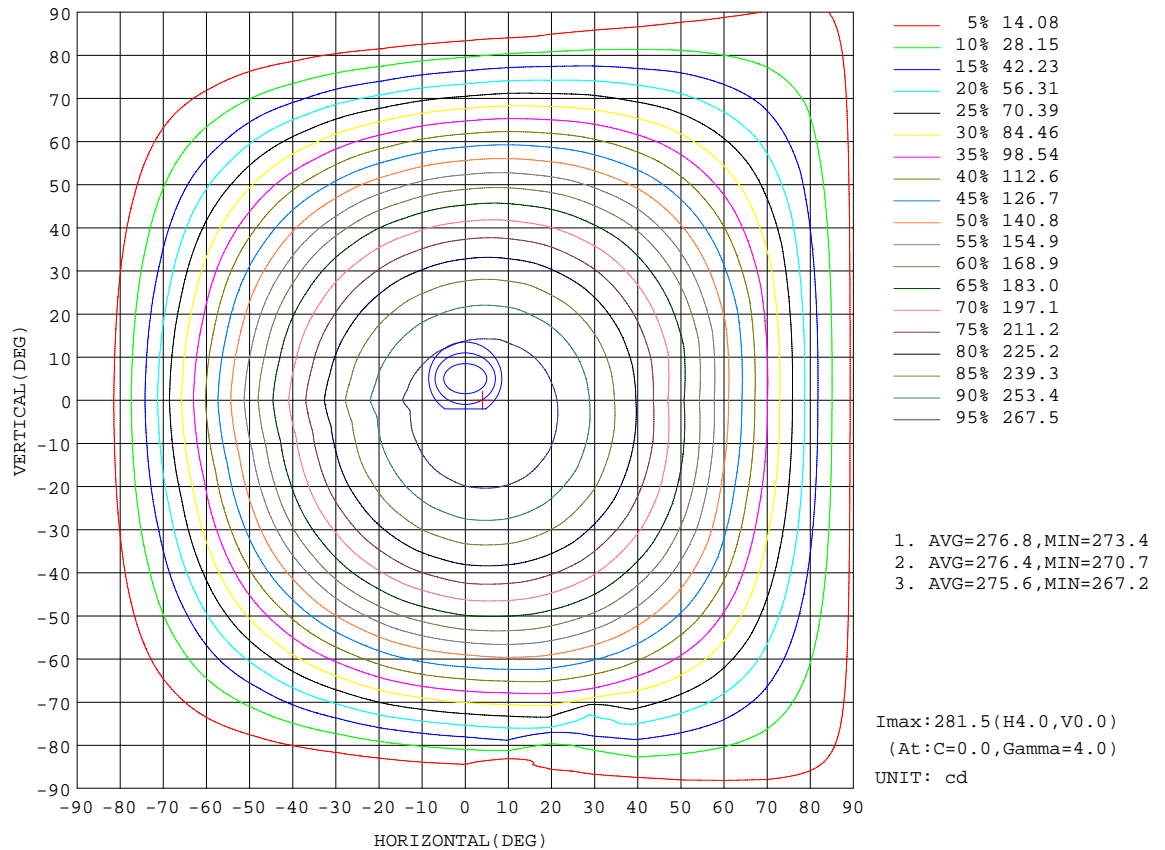
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	99	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: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Q
 Test Date:2025-04-03

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM



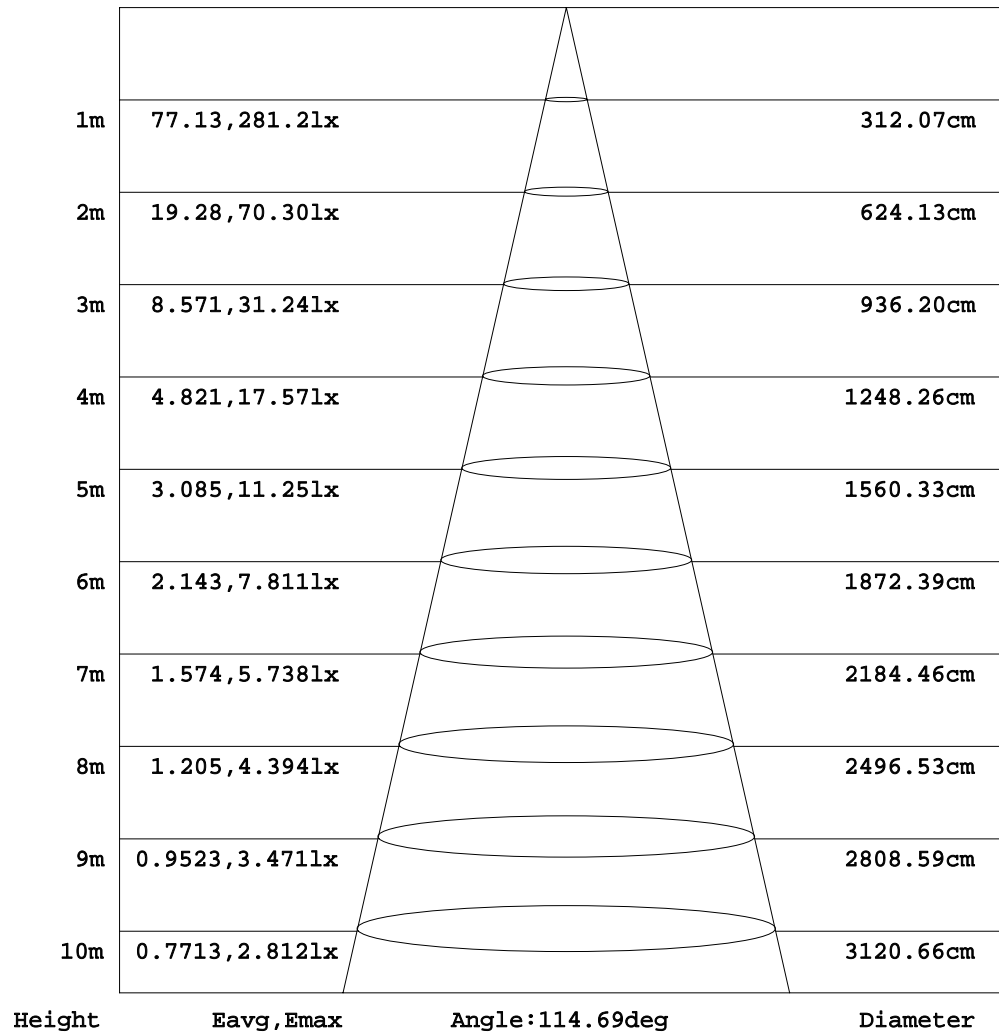
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

Flux out:620.6 lm



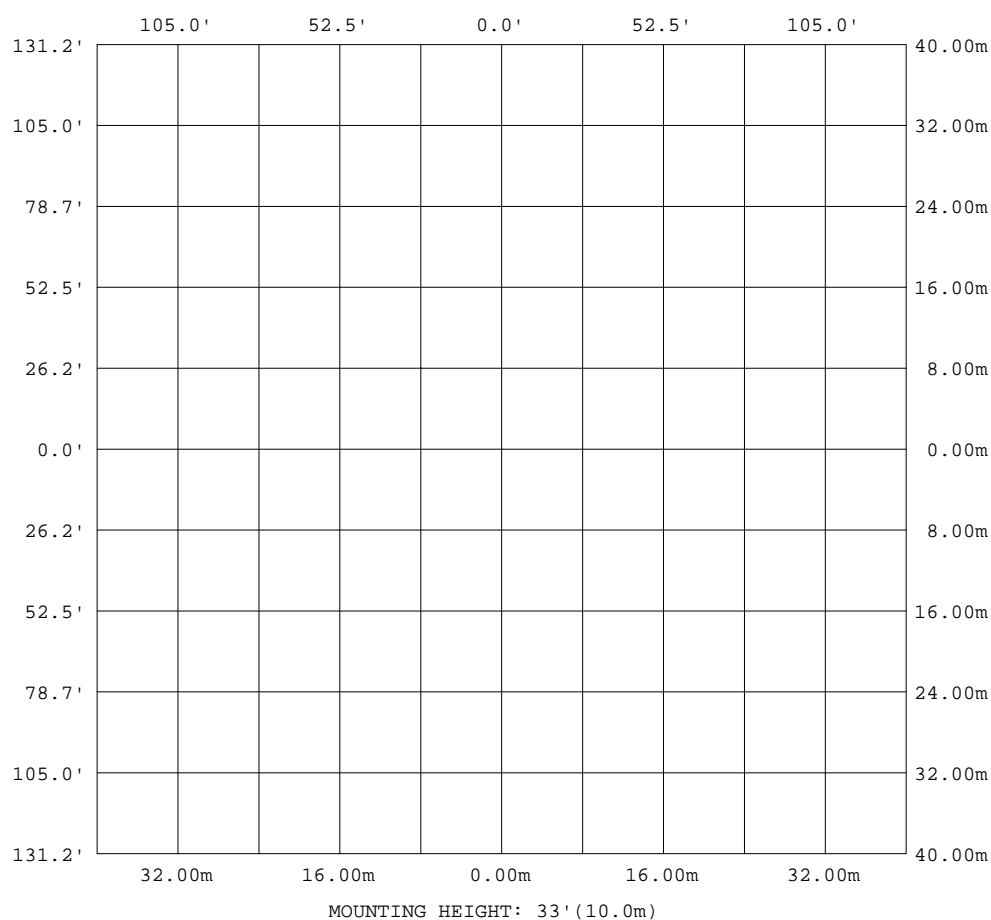
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Q
 Test Date:2025-04-03

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

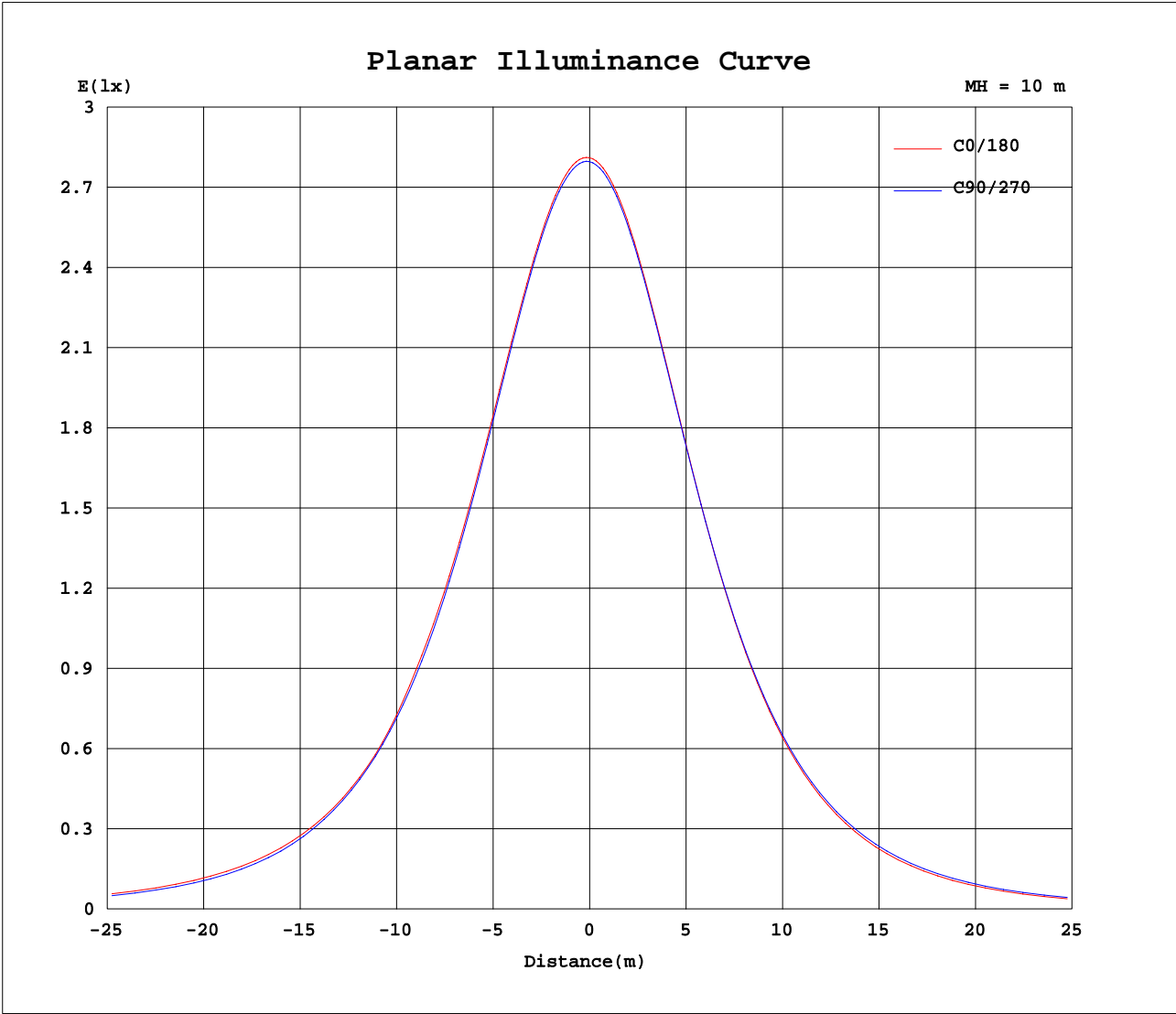
AvgL	cd/m2
L_0~180(65)av	2502
L_0~180(75)av	2189
L_0~180(85)av	1956
L_90~270(65)av	2463
L_90~270(75)av	2059
L_90~270(85)av	1201
L_45(65)av	2499
L_45(75)av	2168
L_45(85)av	1817

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 10.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Temperature:25.3DEG	Humidity:65.0%
Operators:Q	Test Distance:10.000m [K=1.0000]
Test Date:2025-04-03	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Q
Test Date: 2025-04-03

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.134V I:0.2608A P:6.2941W PF:1.0000 Freq:59.98Hz Lamp Flux:825.934x1 lm		
NAME: 2835-96D-24V-WW	TYPE:LED Strip Light	WEIGHT:
SPEC.:300MM*10MM	DIM.: 300MM*10MM	SERIAL No.:
MFR.: LEDFLEX	SUR.:	Shielding Angle:300MM*10MM

Table--2

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Q
Test Date: 2025-04-03

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

```