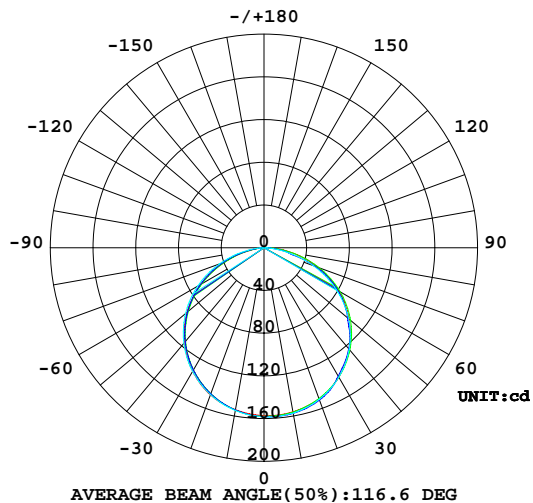


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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

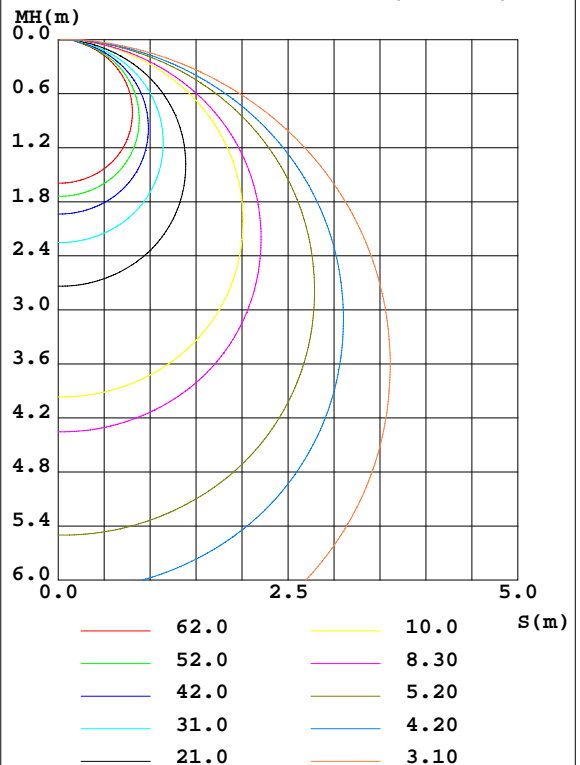
DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.73 lm/W			
MODEL		I _{max} (cd)	158.5	S/MH(C0/180)	1.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	469.30	η UP,DN(C0-180)	0.0,51.1
NOMINAL FLUX(lm)	469.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



— C0/180,116.9 Ic=157.4
— C30/210,116.7 Ic=157.8
— C60/240,116.1 Ic=158.4
— C90/270,116.6 Ic=158.5

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	156.1	157.0	157.2	155.9	154.0	154.3	154.7	155.9	0- 10	14.98	14.98	3.19,3.19
20	150.6	151.4	151.1	148.6	146.7	145.4	146.4	148.9	10- 20	43.13	58.11	12.4,12.4
30	140.0	140.4	140.1	136.3	133.5	132.0	133.6	135.4	20- 30	65.92	124.0	26.4,26.4
40	124.0	124.5	124.1	119.3	115.9	114.3	116.7	120.2	30- 40	80.44	204.5	43.6,43.6
50	104.0	105.9	103.4	97.75	94.01	92.68	95.92	99.03	40- 50	84.62	289.1	61.6,61.6
60	80.84	81.63	78.18	71.77	68.17	67.48	71.58	76.27	50- 60	77.63	366.7	78.1,78.1
70	54.27	53.68	49.03	42.42	39.29	39.54	44.48	50.07	60- 70	59.80	426.5	90.9,90.9
80	26.18	24.47	18.82	13.73	12.03	12.78	17.39	23.07	70- 80	33.67	460.2	98.1,98.1
90	4.505	2.924	0.7798	1.271	0.9603	0.9278	0.3827	3.368	80- 90	9.111	469.3	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): 246.95 lm

%lum = 52.6%

%lamp = 52.6%

Conical surface Flux(120deg): 366.72 lm

%lum = 78.1%

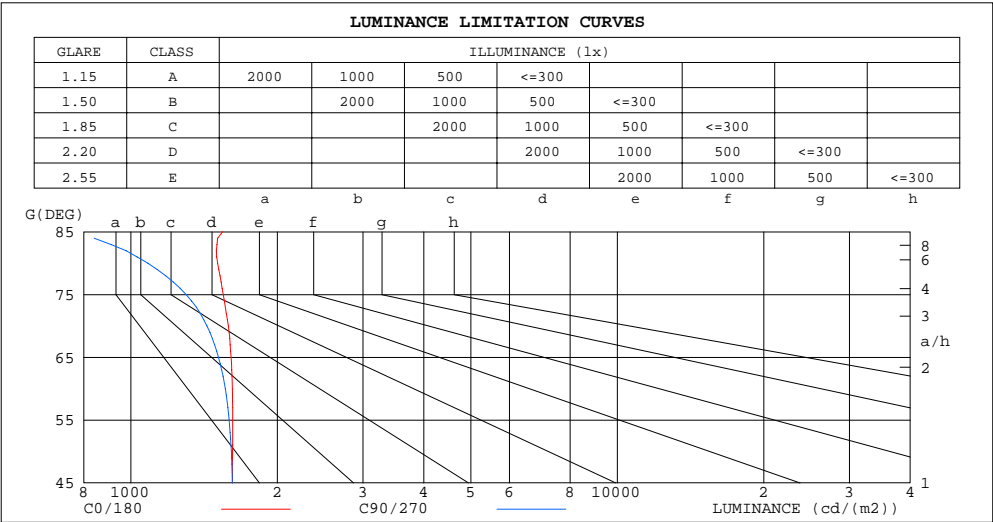
%lamp = 78.1%

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:

LUMINANCE LIMITATION CURVES

Test:U:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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	1543	766
80	1508	1084
75	1548	1299
70	1587	1433
65	1607	1514
60	1617	1564
55	1619	1592
50	1618	1609
45	1617	1617

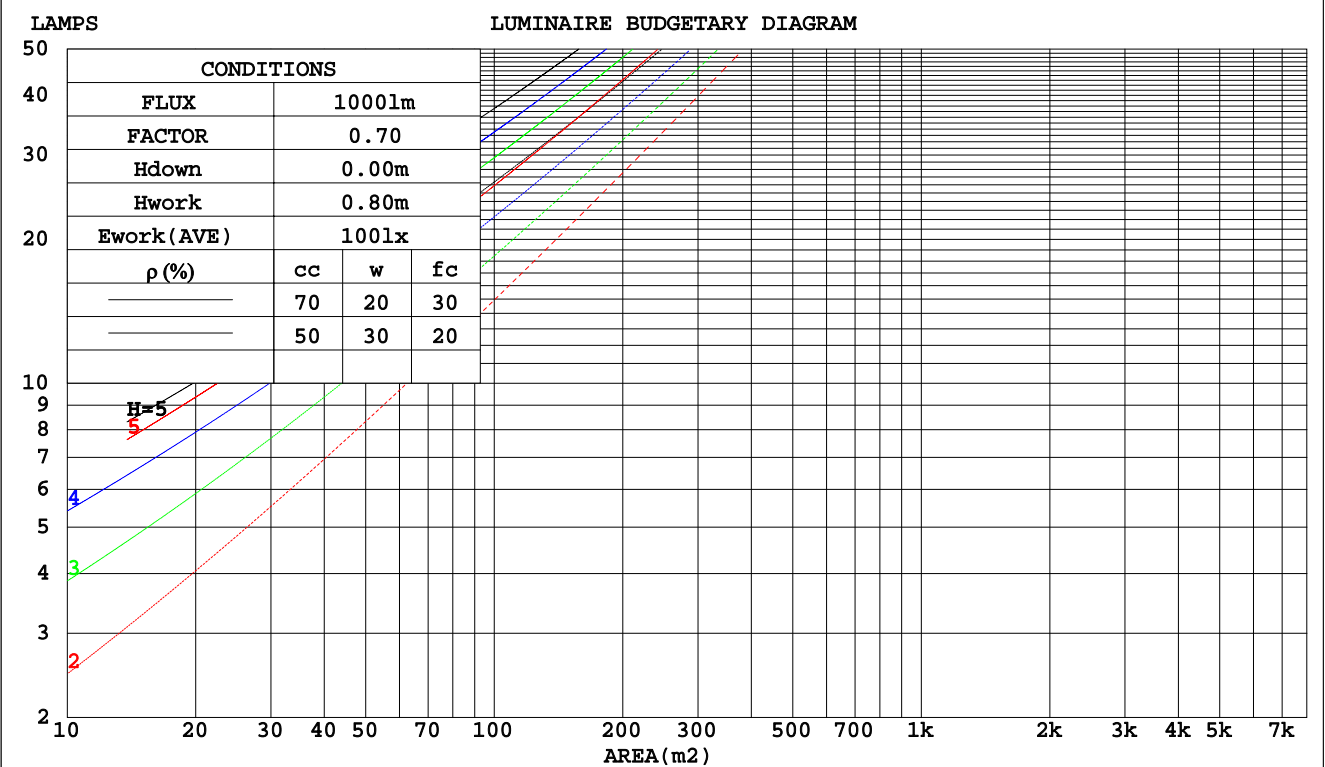
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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	.313	.178	.056	.306	.175	.055	.293	.168	.054	.281	.162	.052	.269	.156	.050	
2.0	.295	.162	.050	.288	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.131	.038	.247	.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	.110	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.103	.030	.191	.101	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.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	.154	.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	.026	.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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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	17.6	19.1	17.9	19.3	19.5	17.3	18.9	17.6	19.1	19.3
3H	19.3	20.7	19.6	21.0	21.2	18.9	20.3	19.2	20.6	20.8
4H	20.1	21.4	20.4	21.7	21.9	19.5	20.8	19.8	21.1	21.3
6H	20.7	21.9	21.0	22.2	22.5	19.8	21.1	20.2	21.4	21.7
8H	20.9	22.1	21.2	22.4	22.7	19.9	21.2	20.3	21.4	21.7
12H	21.0	22.2	21.4	22.5	22.8	19.9	21.1	20.3	21.4	21.7
4H 2H	18.3	19.6	18.6	19.9	20.1	18.1	19.4	18.4	19.7	19.9
3H	20.2	21.4	20.5	21.7	22.0	19.8	21.0	20.2	21.3	21.6
4H	21.1	22.2	21.5	22.5	22.8	20.5	21.6	20.9	21.9	22.2
6H	21.8	22.8	22.2	23.1	23.5	20.9	21.9	21.3	22.2	22.6
8H	22.1	23.0	22.5	23.3	23.7	21.0	21.9	21.5	22.3	22.7
12H	22.3	23.1	22.7	23.5	23.9	21.1	21.9	21.5	22.3	22.7
8H 4H	21.4	22.3	21.8	22.6	23.0	20.9	21.7	21.3	22.1	22.5
6H	22.3	23.0	22.7	23.4	23.9	21.4	22.2	21.9	22.6	23.0
8H	22.7	23.3	23.1	23.8	24.2	21.6	22.2	22.0	22.7	23.1
12H	23.0	23.6	23.5	24.0	24.5	21.7	22.2	22.1	22.7	23.2
12H 4H	21.4	22.2	21.8	22.6	23.0	20.9	21.7	21.3	22.1	22.5
6H	22.3	23.0	22.8	23.4	23.9	21.5	22.2	22.0	22.6	23.1
8H	22.8	23.3	23.3	23.8	24.3	21.7	22.3	22.2	22.7	23.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.1 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 469.3 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -2.6$)
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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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

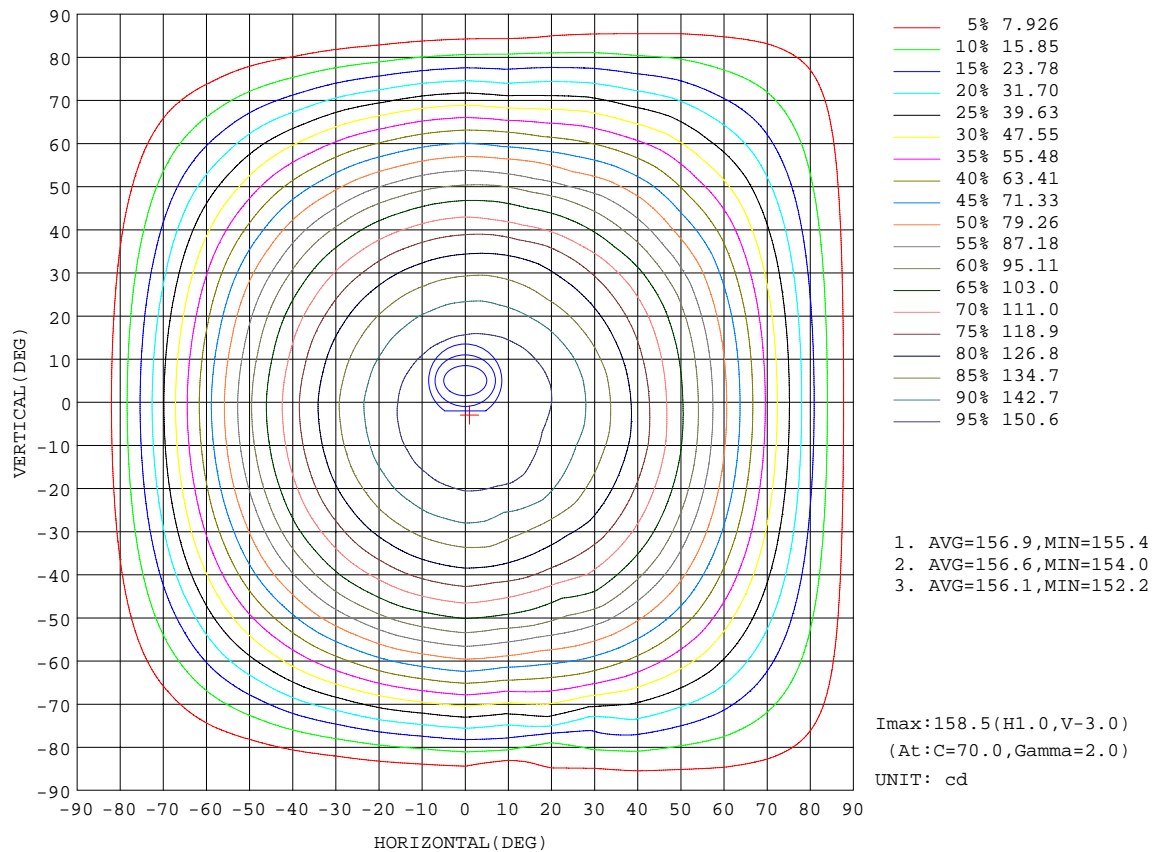
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	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	82	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	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: 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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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

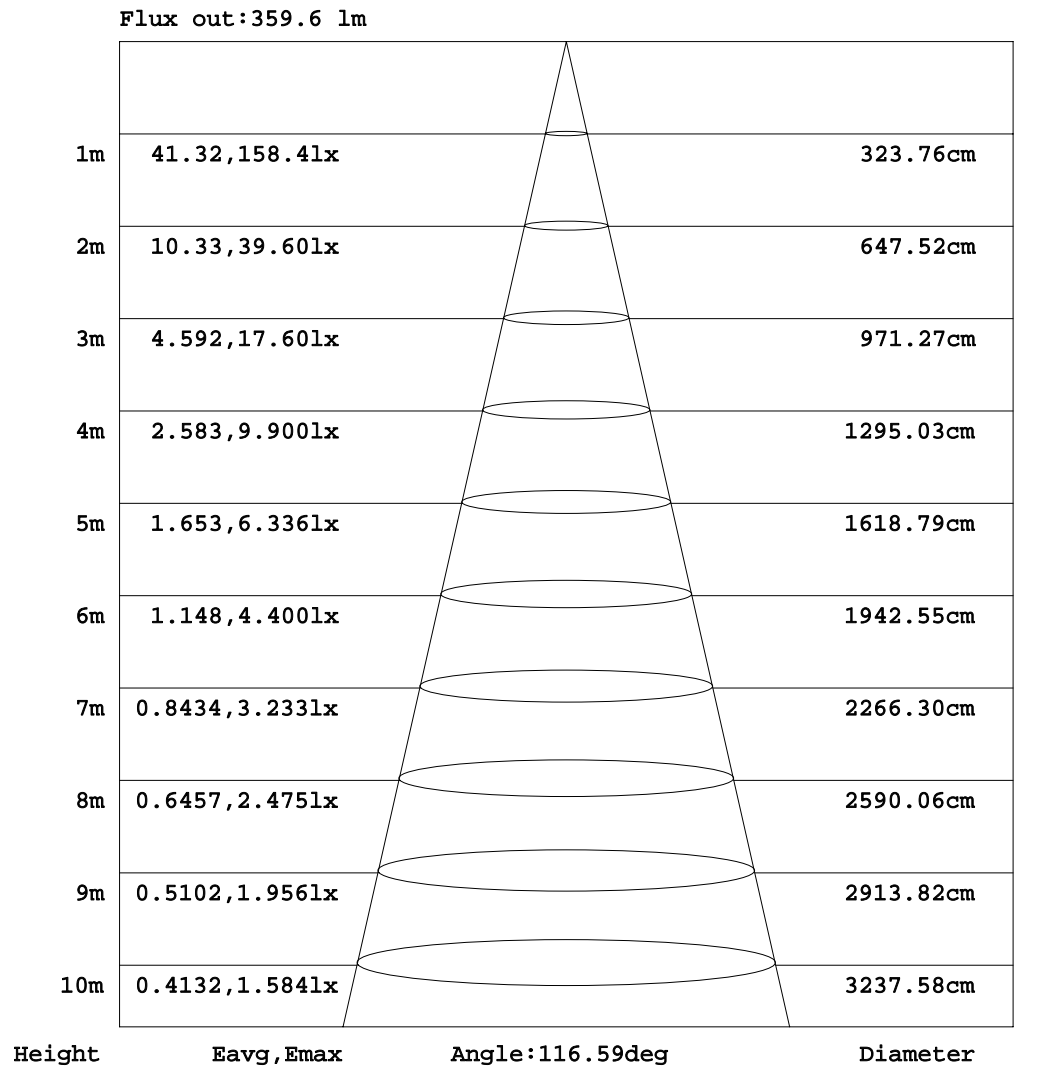


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Q
Test Date:2025-04-03

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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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



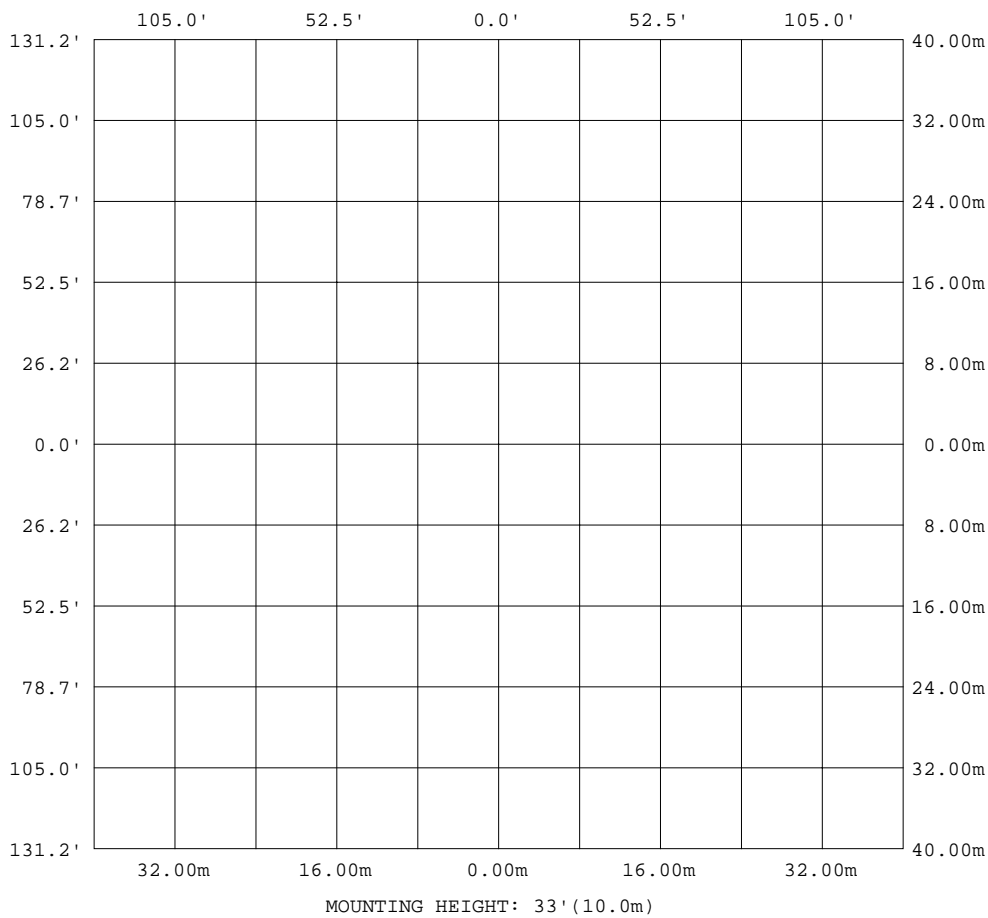
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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

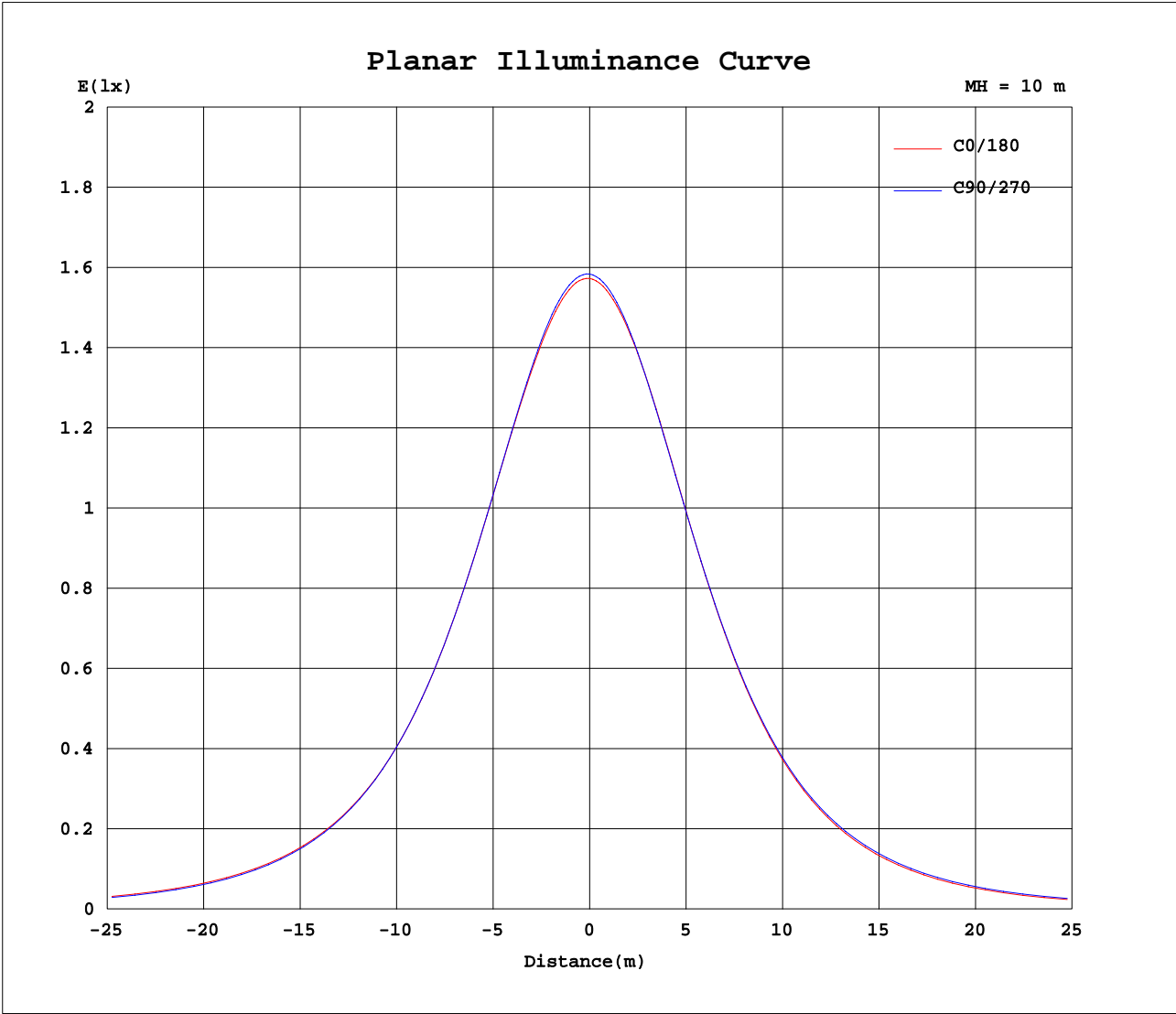
AvgL	cd/m2
L_0~180(65)av	1442
L_0~180(75)av	1254
L_0~180(85)av	977
L_90~270(65)av	1447
L_90~270(75)av	1239
L_90~270(85)av	742
L_45(65)av	1436
L_45(75)av	1239
L_45(85)av	886

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



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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:24.193V I:0.1322A P:3.1983W PF:1.0000 Freq:59.98Hz Lamp Flux:469.3x1 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:

```