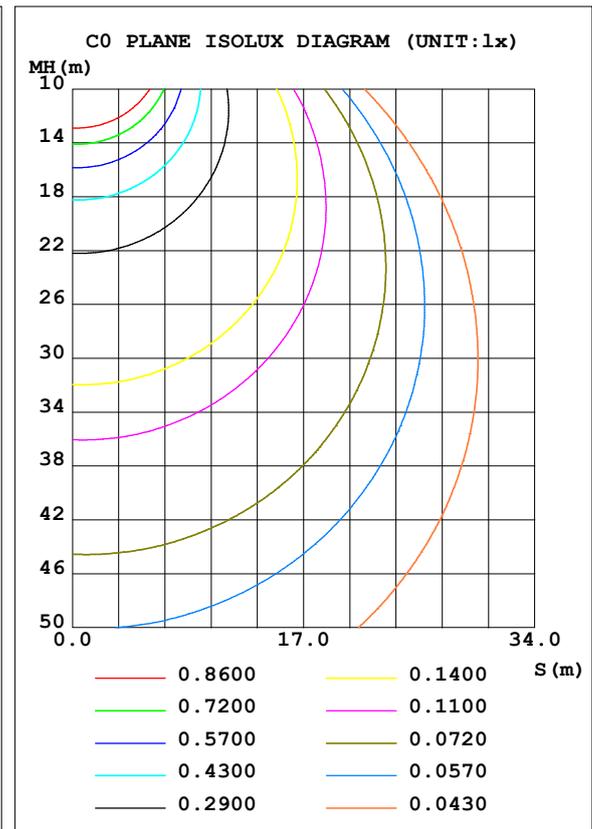
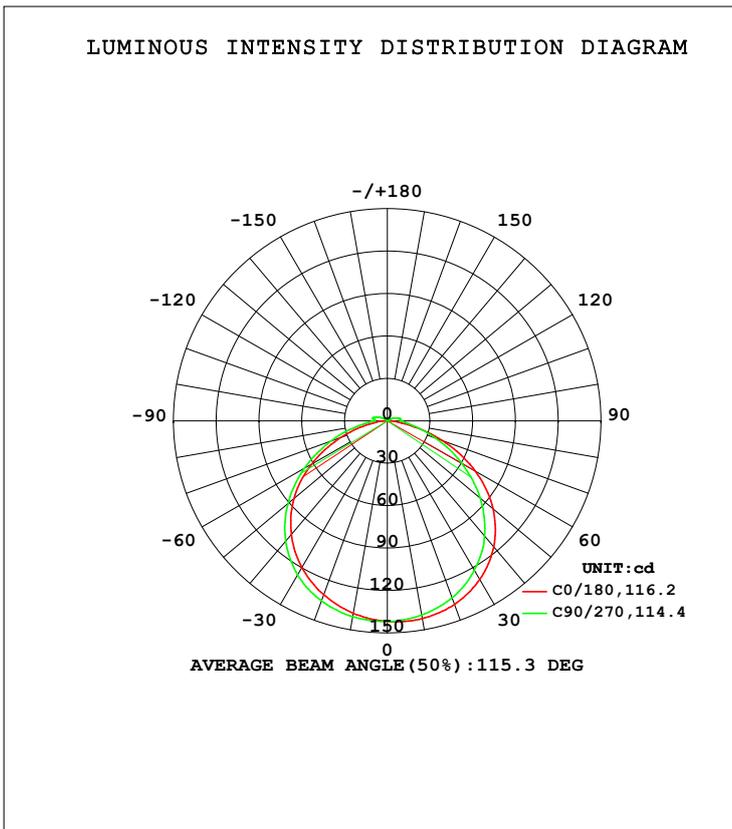


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.27lx1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

DATA OF LAMP		PHOTOMETRIC DATA Eff: 30.97 lm/W			
MODEL		I <sub>max</sub> (cd)	142.4	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	24V	TOTAL FLUX (lm)	440.27	η UP, DN (C0-180)	1.7, 47.5
NOMINAL FLUX (lm)	440.271	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.0, 48.8
LAMPS INSIDE	1	η up (%)	3.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	96.3	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Test Date: 2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 9.660m [K=1.0000]

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	141.9	140.9	139.4	138.1	138.1	139.1	140.6	141.6	0- 10	13.45	13.45	3.06,3.06
20	138.0	135.9	133.0	130.8	130.7	132.6	135.3	137.6	10- 20	38.88	52.33	11.9,11.9
30	129.6	126.6	122.1	120.0	119.8	122.4	126.0	129.3	20- 30	59.92	112.3	25.5,25.5
40	116.2	111.6	106.2	104.3	104.8	107.6	111.0	115.4	30- 40	73.60	185.9	42.2,42.2
50	96.88	91.07	85.16	84.36	85.59	87.98	90.89	95.83	40- 50	77.33	263.2	59.8,59.8
60	71.41	65.12	60.65	59.74	61.42	64.27	67.27	70.58	50- 60	69.54	332.7	75.6,75.6
70	41.29	38.58	36.16	34.88	34.95	39.19	42.59	42.87	60- 70	51.41	384.1	87.2,87.2
80	12.56	16.72	17.47	15.37	11.90	17.89	20.29	18.92	70- 80	28.50	412.6	93.7,93.7
90	0.3218	7.913	9.741	6.926	0.8837	6.720	9.337	7.835	80- 90	11.32	423.9	96.3,96.3
100	0.2705	6.804	9.401	5.877	0.2561	6.326	10.57	8.136	90-100	6.459	430.4	97.8,97.8
110	0.2862	3.361	6.409	2.865	0.3616	3.943	7.983	3.708	100-110	4.974	435.4	98.9,98.9
120	0.3013	1.140	3.107	0.5494	0.4519	1.182	4.151	1.277	110-120	2.480	437.9	99.5,99.5
130	0.4367	0.6529	1.127	0.4869	0.5574	0.5009	1.670	0.5325	120-130	1.011	438.9	99.7,99.7
140	0.4817	0.5465	0.7006	0.4869	0.6178	0.5009	0.5933	0.5481	130-140	0.4824	439.4	99.8,99.8
150	0.5274	0.5465	0.6237	0.5477	0.6629	0.6225	0.6237	0.6238	140-150	0.3626	439.7	99.9,99.9
160	0.5723	0.5616	0.6390	0.6694	0.6932	0.6831	0.6696	0.6694	150-160	0.2880	440.0	99.9,99.9
170	0.7231	0.7286	0.7608	0.7455	0.7233	0.7438	0.7304	0.7153	160-170	0.1956	440.2	100,100
180	0.7532	0.7590	0.7911	0.7303	0.7532	0.7741	0.7911	0.7607	170-180	0.0712	440.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 224.75 lm

%lum = 51.0%

%lamp = 51.0%

Conical surface Flux(120deg): 332.72 lm

%lum = 75.6%

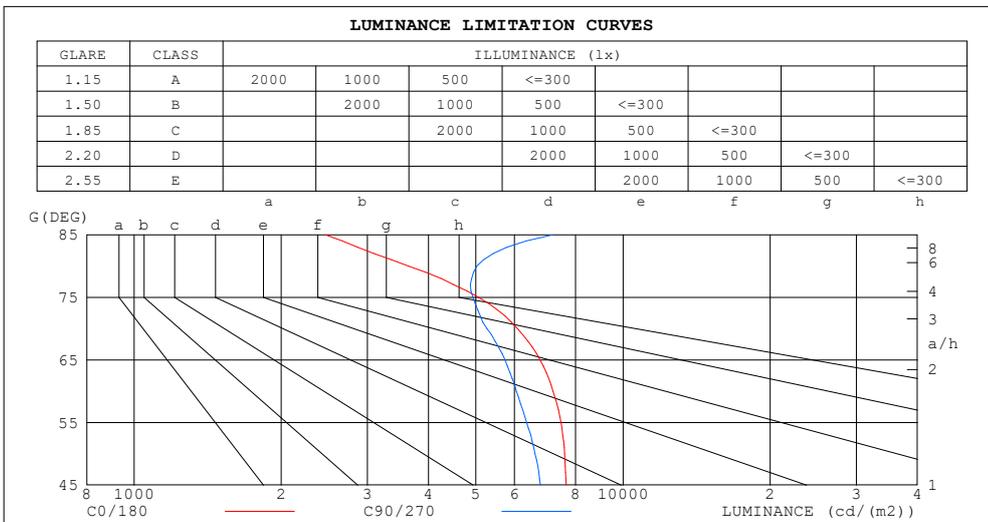
%lamp = 75.6%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]

LUMINANCE LIMITATION CURVES

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.27lx1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2465	7183
80	3645	5019
75	5067	4930
70	6085	5276
65	6770	5739
60	7197	6053
55	7468	6356
50	7596	6612
45	7648	6784

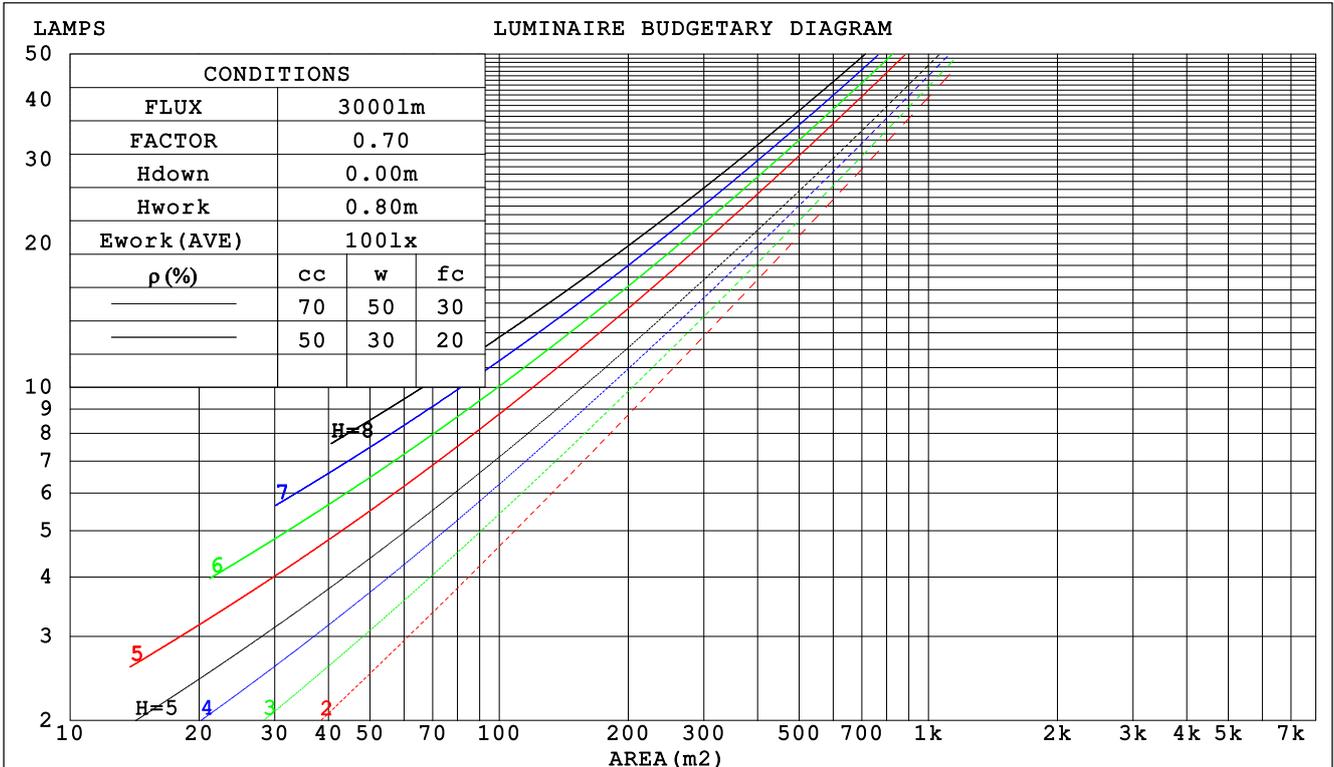
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446=  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.27lx1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

ρcc	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															
	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.96
1.0	1.03	.98	.94	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.86	.84	.82	.80
2.0	.89	.82	.77	.87	.81	.75	.83	.78	.73	.79	.75	.71	.76	.72	.69	.66
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.59	.54	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.53	.48	.43	.41
6.0	.56	.47	.40	.54	.46	.40	.52	.45	.39	.50	.44	.39	.48	.42	.38	.36
7.0	.50	.42	.35	.49	.41	.35	.47	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.26	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.271x1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

ρcc	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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.315	.179	.057	.307	.175	.056	.291	.167	.053	.277	.160	.051	.264	.153	.049	
2.0	.293	.161	.049	.286	.157	.049	.272	.151	.047	.260	.146	.046	.248	.140	.044	
3.0	.270	.144	.043	.264	.141	.043	.252	.136	.041	.240	.132	.040	.230	.127	.039	
4.0	.249	.130	.038	.243	.127	.038	.233	.123	.037	.222	.119	.036	.213	.116	.035	
5.0	.230	.117	.034	.225	.116	.034	.215	.112	.033	.206	.109	.032	.198	.106	.032	
6.0	.213	.107	.031	.209	.105	.030	.200	.103	.030	.192	.100	.029	.184	.097	.029	
7.0	.199	.098	.028	.194	.097	.028	.187	.094	.027	.179	.092	.027	.172	.090	.026	
8.0	.185	.091	.025	.182	.089	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.174	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.163	.078	.022	.160	.077	.022	.154	.076	.021	.149	.074	.021	.144	.072	.021	

ρcc	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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.219	.219	.219	.187	.187	.187	.128	.128	.128	.073	.073	.073	.023	.023	.023	
1.0	.209	.185	.162	.179	.158	.140	.122	.109	.097	.070	.063	.056	.023	.020	.018	
2.0	.201	.161	.127	.172	.138	.109	.118	.096	.076	.068	.056	.045	.022	.018	.015	
3.0	.193	.143	.103	.166	.123	.089	.114	.086	.063	.066	.050	.037	.021	.016	.012	
4.0	.186	.130	.087	.159	.112	.076	.110	.078	.053	.063	.046	.032	.020	.015	.010	
5.0	.178	.120	.076	.153	.104	.066	.106	.072	.047	.061	.042	.028	.020	.014	.009	
6.0	.171	.111	.068	.147	.096	.059	.102	.068	.042	.059	.040	.025	.019	.013	.008	
7.0	.165	.105	.062	.142	.091	.054	.098	.064	.039	.057	.037	.023	.018	.012	.008	
8.0	.158	.099	.058	.136	.086	.051	.094	.060	.036	.055	.035	.021	.018	.012	.007	
9.0	.152	.094	.055	.131	.081	.048	.091	.057	.034	.053	.034	.020	.017	.011	.007	
10.0	.146	.090	.052	.126	.078	.045	.088	.055	.032	.051	.032	.019	.017	.011	.006	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.27lx1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

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	22.6	24.1	22.9	24.4	24.6	21.9	23.4	22.3	23.7	24.0
3H	24.0	25.4	24.4	25.7	26.0	23.3	24.6	23.6	24.9	25.3
4H	24.5	25.8	24.8	26.1	26.4	23.8	25.1	24.2	25.4	25.8
6H	24.7	25.9	25.1	26.3	26.6	24.3	25.5	24.6	25.8	26.2
8H	24.7	25.9	25.1	26.3	26.6	24.5	25.7	24.9	26.0	26.4
12H	24.7	25.9	25.2	26.2	26.6	24.7	25.9	25.1	26.2	26.6
4H 2H	23.1	24.4	23.5	24.7	25.0	22.6	23.8	22.9	24.2	24.5
3H	24.6	25.8	25.0	26.1	26.5	24.1	25.2	24.5	25.6	26.0
4H	25.2	26.3	25.7	26.6	27.1	24.7	25.8	25.2	26.1	26.6
6H	25.6	26.5	26.0	26.9	27.4	25.3	26.2	25.8	26.6	27.1
8H	25.7	26.5	26.1	27.0	27.4	25.6	26.5	26.1	26.9	27.4
12H	25.7	26.5	26.2	26.9	27.4	25.9	26.7	26.4	27.2	27.7
8H 4H	25.4	26.3	25.9	26.7	27.2	25.0	25.8	25.5	26.3	26.7
6H	25.9	26.6	26.4	27.1	27.6	25.7	26.4	26.2	26.9	27.4
8H	26.1	26.7	26.6	27.2	27.7	26.2	26.8	26.7	27.3	27.8
12H	26.2	26.8	26.7	27.3	27.8	26.7	27.2	27.2	27.7	28.3
12H 4H	25.4	26.2	25.9	26.7	27.1	25.0	25.8	25.5	26.2	26.7
6H	26.0	26.6	26.5	27.1	27.6	25.8	26.4	26.3	26.9	27.4
8H	26.2	26.7	26.7	27.3	27.8	26.3	26.8	26.8	27.3	27.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 440.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.9)  
 Area: 0.02 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.271x1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

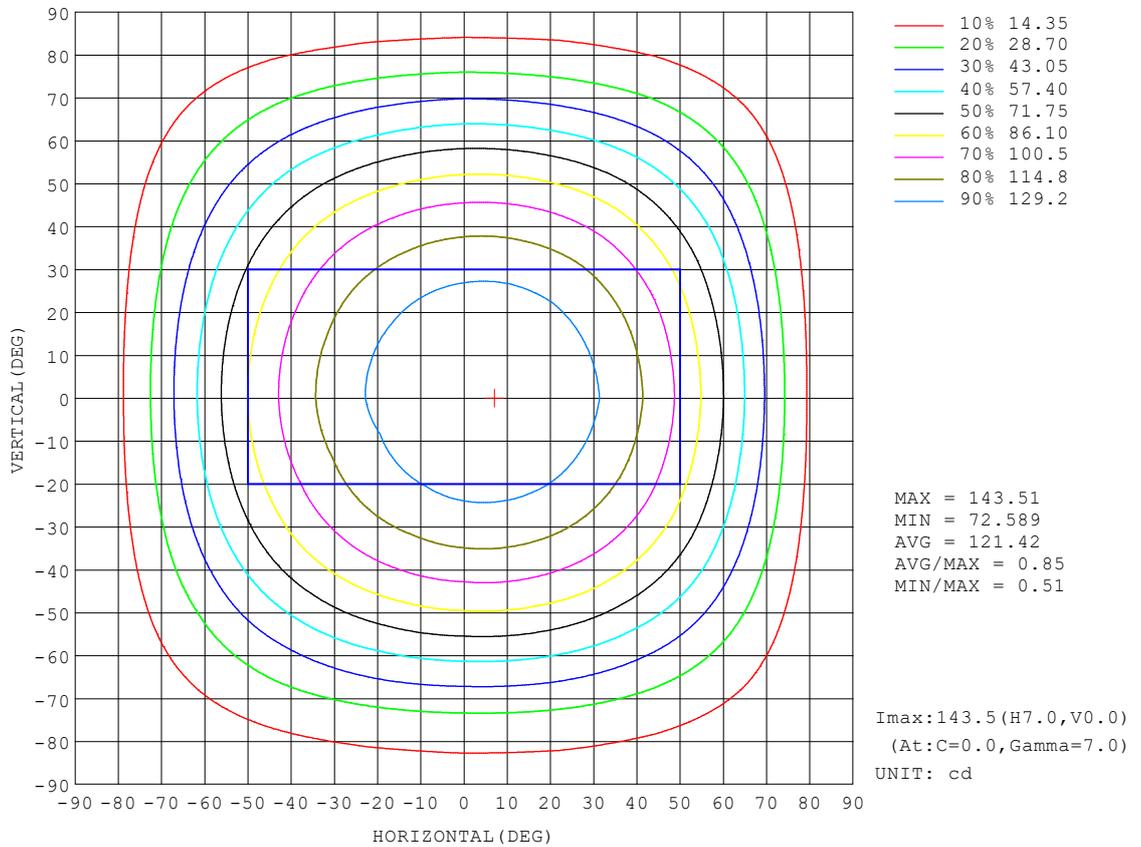
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	46	63	53	46	39
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	71	63	80	70	63	77	68	62	54
1.50	86	76	69	85	75	68	81	73	67	59
2.00	93	84	78	91	83	77	87	81	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	93	88	98	92	86	94	88	84	75
4.00	105	99	94	102	97	92	97	93	89	79
5.00	107	102	98	104	100	96	99	96	92	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.27lx1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

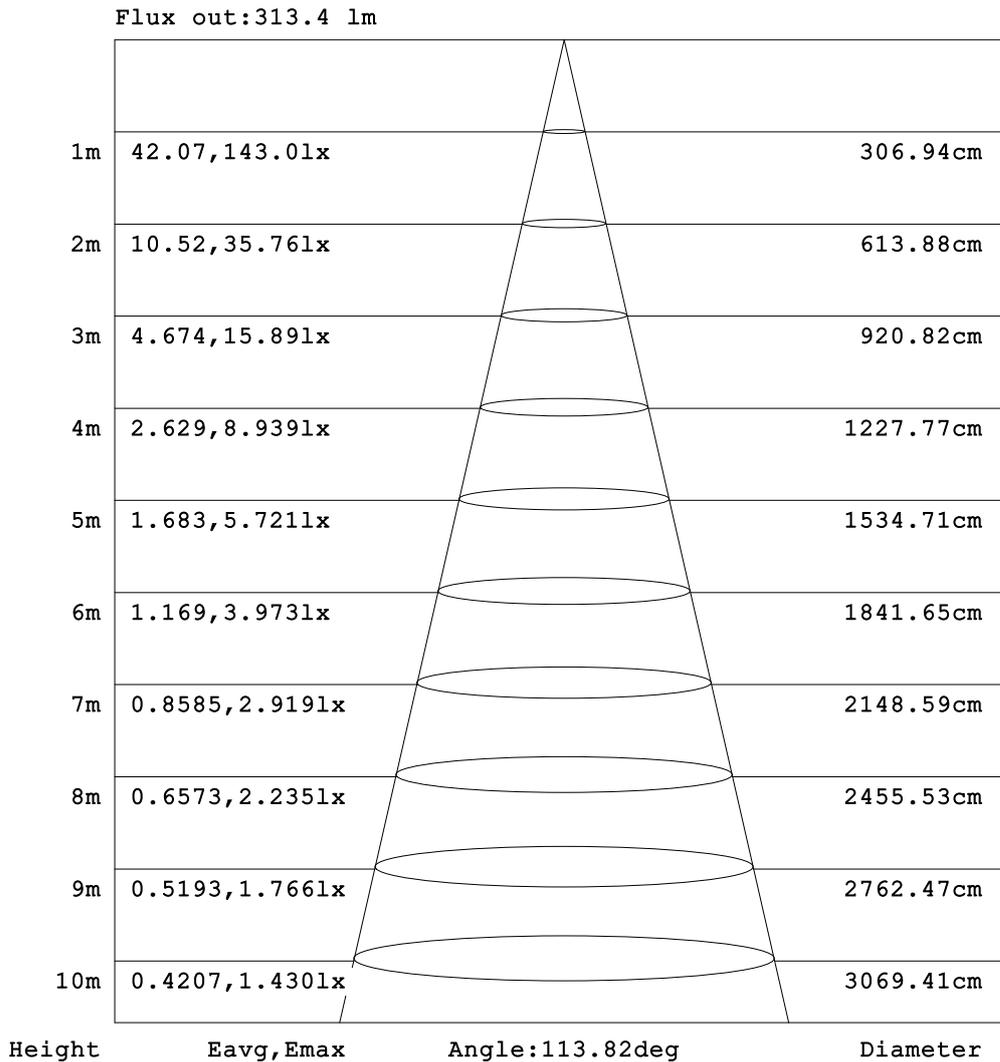


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.271x1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120



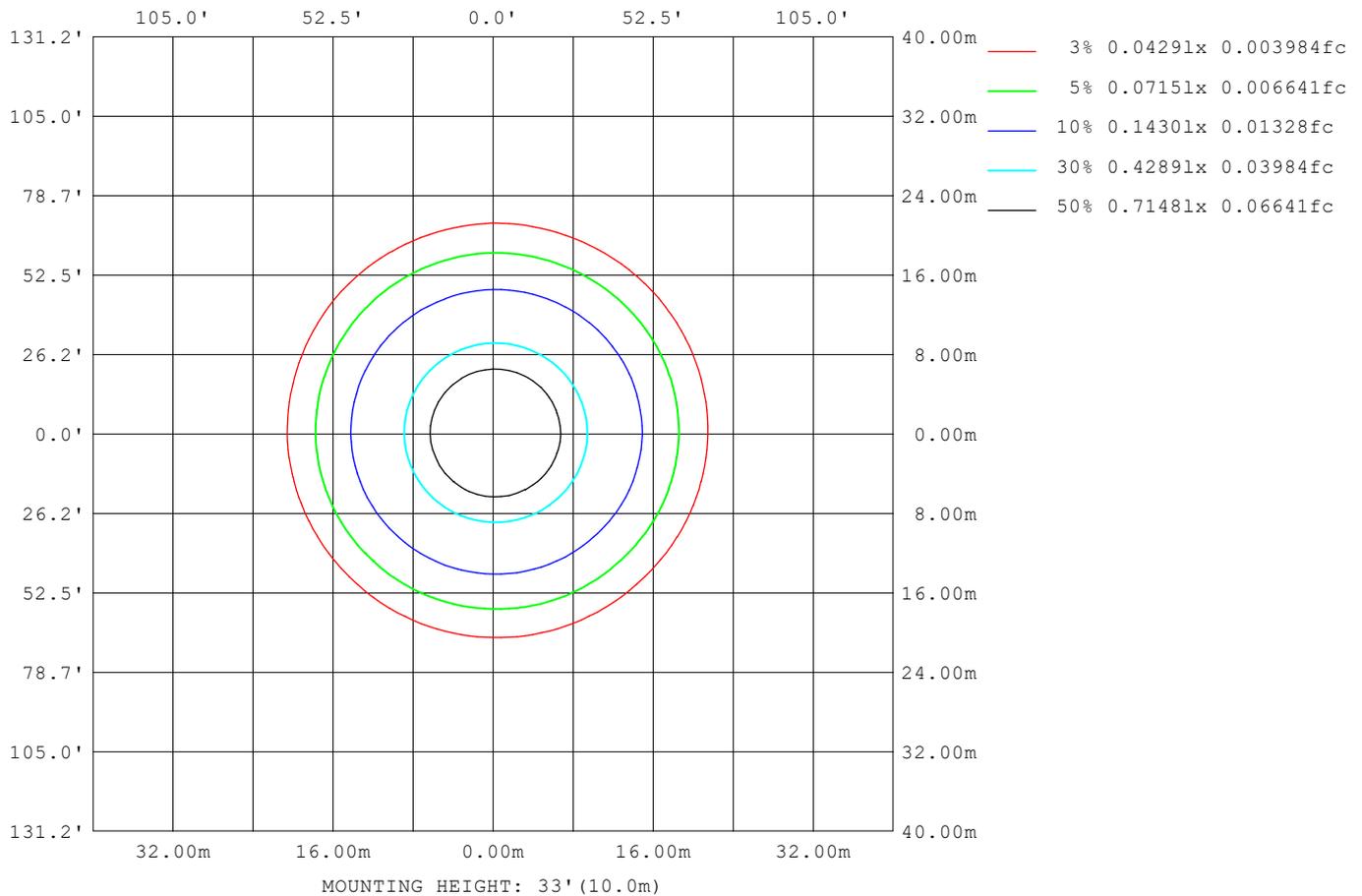
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.271x1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz Lamp Flux:440.271x1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

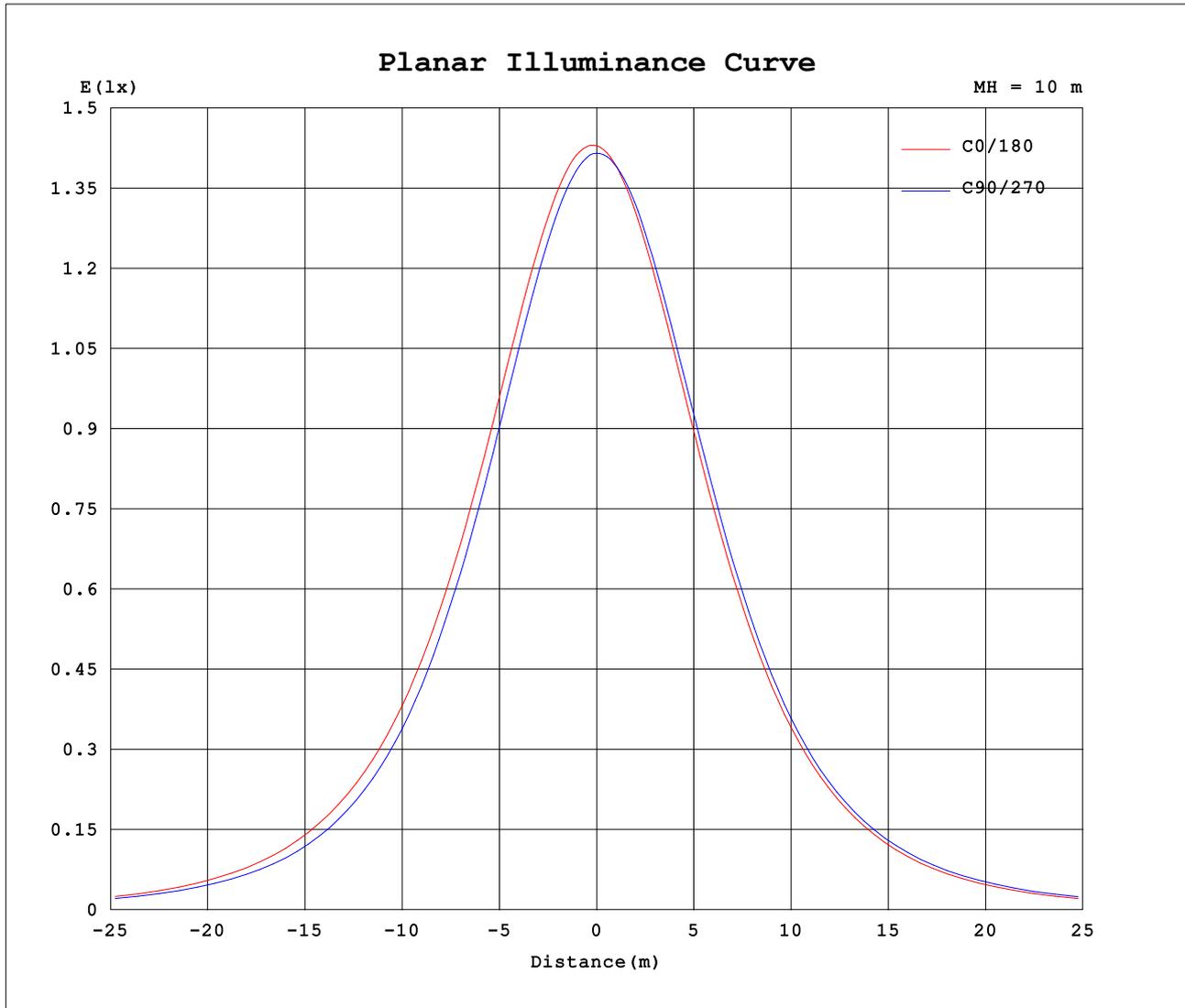
AvgL	cd/m2
L_0~180 (65) av	6218
L_0~180 (75) av	4685
L_0~180 (85) av	2615
L_90~270 (65) av	6111
L_90~270 (75) av	5465
L_90~270 (85) av	7418
L_45 (65) av	6125
L_45 (75) av	5230
L_45 (85) av	6077

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Test Date:2021-08-09

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:9.660m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Test Date: 2021-08-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 9.660m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.001V I:0.5923A P:14.216W PF:1.0000 Freq:0Hz		
Lamp Flux:440.271x1 lm		
NAME: CB-RGB300	TYPE:LED Strip	WEIGHT:
SPEC.: 14.4W	DIM.: 1000*10*2(MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.: 0.02*1	Shielding Angle:120

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142			
5	142	142	142	141	141	141	140	140	140	141	141	141	142	142	142	142			
10	142	141	141	140	139	139	138	138	138	138	139	140	141	142	142	142			
15	141	140	139	138	137	136	135	135	135	135	136	138	138	140	140	141			
20	138	137	136	134	133	132	131	131	131	131	133	134	135	137	138	138			
25	134	133	132	130	128	127	126	126	126	127	128	130	131	133	134	135			
30	130	128	127	124	122	121	120	120	120	121	122	124	126	128	129	130			
35	124	122	120	117	115	113	113	113	113	114	116	117	119	121	123	124			
40	116	114	112	109	106	105	104	104	105	106	108	109	111	113	115	117			
45	107	105	102	98.7	96.1	95.2	95.0	95.3	95.8	96.6	98.3	99.8	102	104	106	108			
50	96.9	94.9	91.1	87.6	85.2	84.1	84.4	85.0	85.6	86.5	88.0	89.0	90.9	93.1	95.8	97.6			
55	85.0	82.7	78.5	75.4	73.1	72.4	72.3	73.5	74.1	75.1	76.6	77.6	79.5	81.4	83.9	85.7			
60	71.4	69.2	65.1	62.7	60.6	59.9	59.7	60.6	61.4	62.7	64.3	65.5	67.3	68.7	70.6	72.2			
65	56.8	54.6	51.5	50.1	48.6	47.9	47.0	47.5	48.3	49.8	51.8	53.0	54.7	55.5	56.7	57.8			
70	41.3	39.7	38.6	37.5	36.2	36.0	34.9	34.4	35.0	36.8	39.2	41.1	42.6	42.7	42.9	42.7			
75	26.0	26.4	26.4	26.3	25.6	25.2	24.1	22.8	22.5	24.9	27.9	29.8	31.0	30.7	29.9	28.1			
80	12.6	15.2	16.7	17.7	17.5	16.9	15.4	13.6	11.9	14.9	17.9	19.5	20.3	20.0	18.9	16.1			
85	4.26	7.63	10.6	12.3	12.5	11.5	9.66	7.15	4.85	7.95	10.6	12.6	13.3	13.2	11.5	7.96			
90	0.32	4.37	7.91	9.56	9.74	8.82	6.93	3.59	0.88	3.95	6.72	8.62	9.34	9.29	7.84	4.36			
95	0.17	3.48	7.39	8.97	8.90	8.29	6.27	2.83	0.17	2.89	6.21	8.10	9.04	9.09	7.85	3.58			
100	0.27	2.25	6.80	8.96	9.40	8.58	5.88	1.78	0.26	2.56	6.33	9.19	10.6	10.5	8.14	2.36			
105	0.30	0.95	5.16	7.28	8.01	6.67	4.34	0.81	0.32	1.62	5.02	8.30	9.81	9.18	5.79	1.16			
110	0.29	0.48	3.36	5.67	6.41	4.97	2.87	0.43	0.36	0.73	3.94	6.89	7.98	7.02	3.71	0.46			
115	0.29	0.42	1.96	4.08	5.10	3.73	1.49	0.43	0.41	0.45	2.46	5.15	5.94	5.11	2.34	0.40			
120	0.30	0.44	1.14	2.49	3.11	2.35	0.55	0.50	0.45	0.45	1.18	3.59	4.15	3.55	1.28	0.38			
125	0.38	0.48	0.90	1.46	1.97	1.39	0.49	0.53	0.51	0.45	0.56	2.07	2.95	2.21	0.58	0.38			
130	0.44	0.53	0.65	0.97	1.13	0.58	0.49	0.56	0.56	0.45	0.50	1.03	1.67	1.22	0.53	0.38			
135	0.45	0.57	0.55	0.73	0.96	0.58	0.49	0.59	0.59	0.47	0.50	0.73	0.76	0.73	0.53	0.41			
140	0.48	0.59	0.55	0.59	0.70	0.61	0.49	0.62	0.62	0.47	0.50	0.59	0.59	0.59	0.55	0.46			
145	0.50	0.61	0.55	0.62	0.62	0.66	0.52	0.66	0.66	0.48	0.50	0.59	0.59	0.58	0.59	0.47			
150	0.53	0.65	0.55	0.64	0.62	0.64	0.55	0.67	0.66	0.53	0.62	0.59	0.62	0.58	0.62	0.49			
155	0.54	0.67	0.55	0.67	0.62	0.69	0.59	0.70	0.69	0.56	0.64	0.59	0.65	0.61	0.65	0.52			
160	0.57	0.68	0.56	0.67	0.64	0.72	0.67	0.72	0.69	0.59	0.68	0.61	0.67	0.61	0.67	0.55			
165	0.68	0.71	0.67	0.71	0.70	0.73	0.73	0.73	0.72	0.71	0.73	0.70	0.71	0.64	0.70	0.58			
170	0.72	0.74	0.73	0.76	0.76	0.75	0.75	0.75	0.72	0.74	0.74	0.73	0.73	0.73	0.72	0.69			
175	0.75	0.73	0.73	0.74	0.75	0.73	0.72	0.75	0.77	0.77	0.76	0.74	0.75	0.75	0.76	0.73			
180	0.75	0.76	0.76	0.76	0.79	0.75	0.73	0.75	0.75	0.74	0.77	0.74	0.79	0.75	0.76	0.73			

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