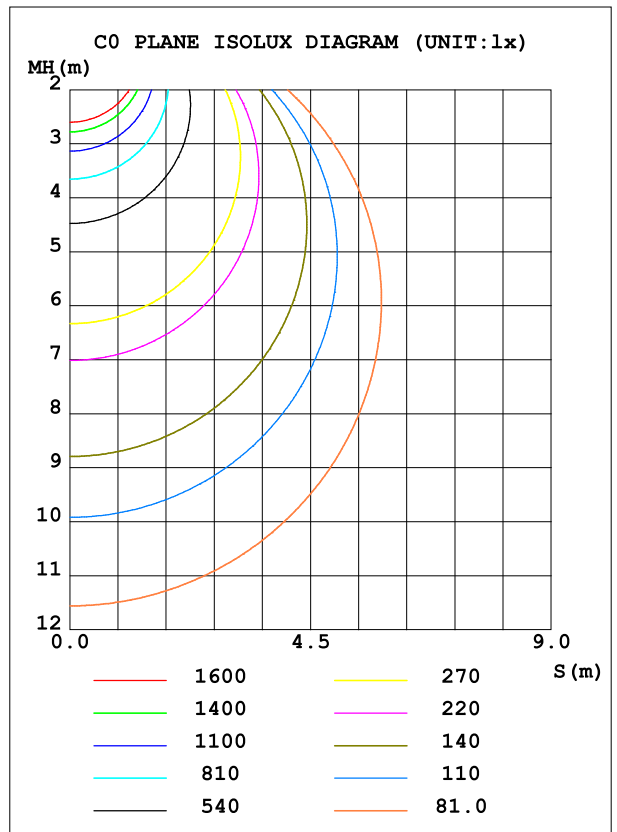
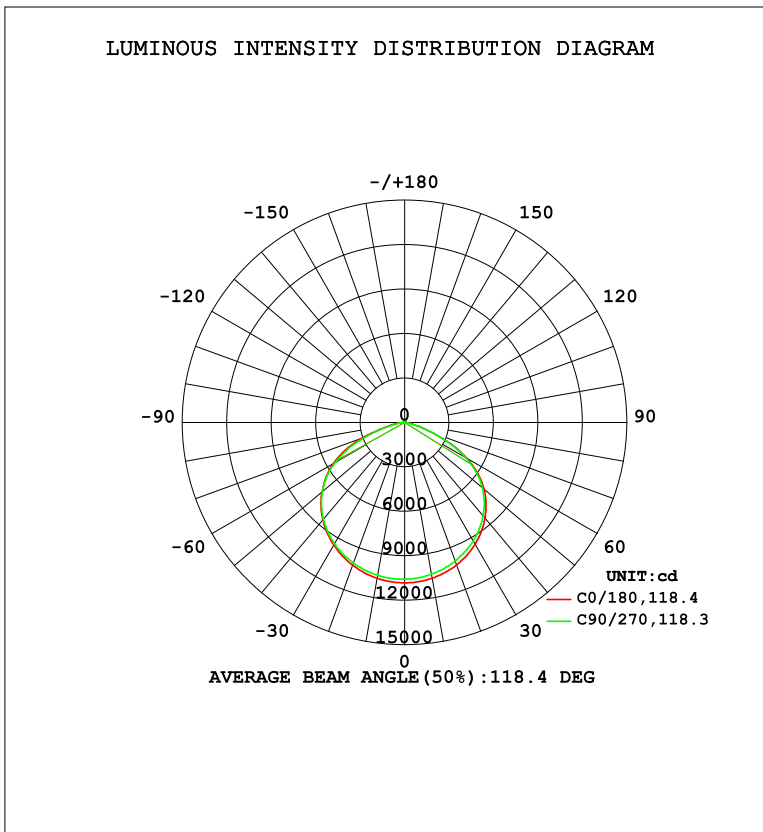


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	Lumileds 2835	Imax(cd)	10822	S/MH (C0/180)	1.32
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH (C90/270)	1.33
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	30967	η UP, DN (C0-180)	0.5, 47.7
NOMINAL FLUX(lm)	30966.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 51.5
LAMPS INSIDE	1	η up(%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	99.2	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1 °C  
 Operators:  
 Test Date: 2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity: 50.0%  
 Test Distance: 10.026m [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	1067	1053	1040	1031	1068	1055	1047	1043	0- 10	1007	1007	3.25,3.25
20	1024	1010	995.7	984.6	1026	1015	1011	1009	10- 20	2914	3921	12.7,12.7
30	950.5	939.1	924.8	912.9	956.3	948.9	946.6	946.4	20- 30	4505	8426	27.2,27.2
40	844.5	836.1	823.4	812.9	859.4	856.0	853.1	853.4	30- 40	5595	14021	45.3,45.3
50	698.8	691.6	685.6	676.6	729.1	730.6	726.1	724.2	40- 50	6006	20027	64.7,64.7
60	487.3	476.8	477.9	480.8	555.4	553.2	539.5	532.1	50- 60	5506	25533	82.5,82.5
70	188.1	182.3	187.5	198.6	300.0	285.1	272.2	258.2	60- 70	3726	29259	94.5,94.5
80	32.13	30.08	30.67	33.84	64.38	59.82	57.42	56.77	70- 80	1279	30538	98.6,98.6
90	0.9501	0.9190	0.8879	0.8619	0.6990	0.6605	0.6606	0.6807	80- 90	167.2	30705	99.2,99.2
100	2.084	2.004	1.999	1.943	1.338	1.306	1.308	1.330	90-100	12.65	30718	99.2,99.2
110	3.547	3.394	3.371	3.274	2.370	2.355	2.336	2.397	100-110	23.84	30742	99.3,99.3
120	4.824	4.819	4.833	4.572	3.744	3.665	3.710	3.722	110-120	35.46	30777	99.4,99.4
130	5.644	5.608	5.573	5.548	4.710	4.644	4.606	4.584	120-130	41.76	30819	99.5,99.5
140	6.604	6.554	6.523	6.506	5.631	5.554	5.500	5.460	130-140	43.10	30862	99.7,99.7
150	7.467	7.413	7.390	7.371	6.496	6.393	6.322	6.272	140-150	40.50	30903	99.8,99.8
160	8.130	8.073	8.034	8.013	7.271	7.143	7.066	7.008	150-160	33.44	30936	99.9,99.9
170	8.669	8.592	8.539	8.511	8.296	8.169	8.063	8.006	160-170	22.43	30958	100,100
180	8.871	8.776	8.685	8.637	8.919	8.806	8.704	8.643	170-180	8.151	30967	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT: lm		

Conical surface Flux(90deg): 17023 lm

%lum = 55.0%

%lamp = 55.0%

Conical surface Flux(120deg): 25533 lm

%lum = 82.5%

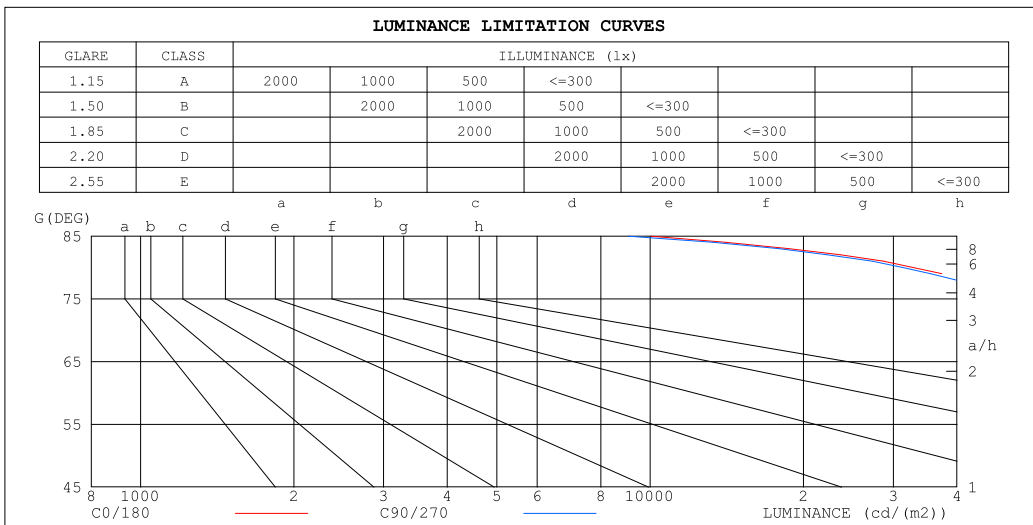
%lamp = 82.5%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1℃  
 Operators:  
 Test Date:2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity:50.0%  
 Test Distance:10.026m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10035	9058
80	32814	31330
75	58717	57267
70	97540	97222
65	143540	141659
60	172859	169513
55	186809	183551
50	192815	189186
45	195040	190706

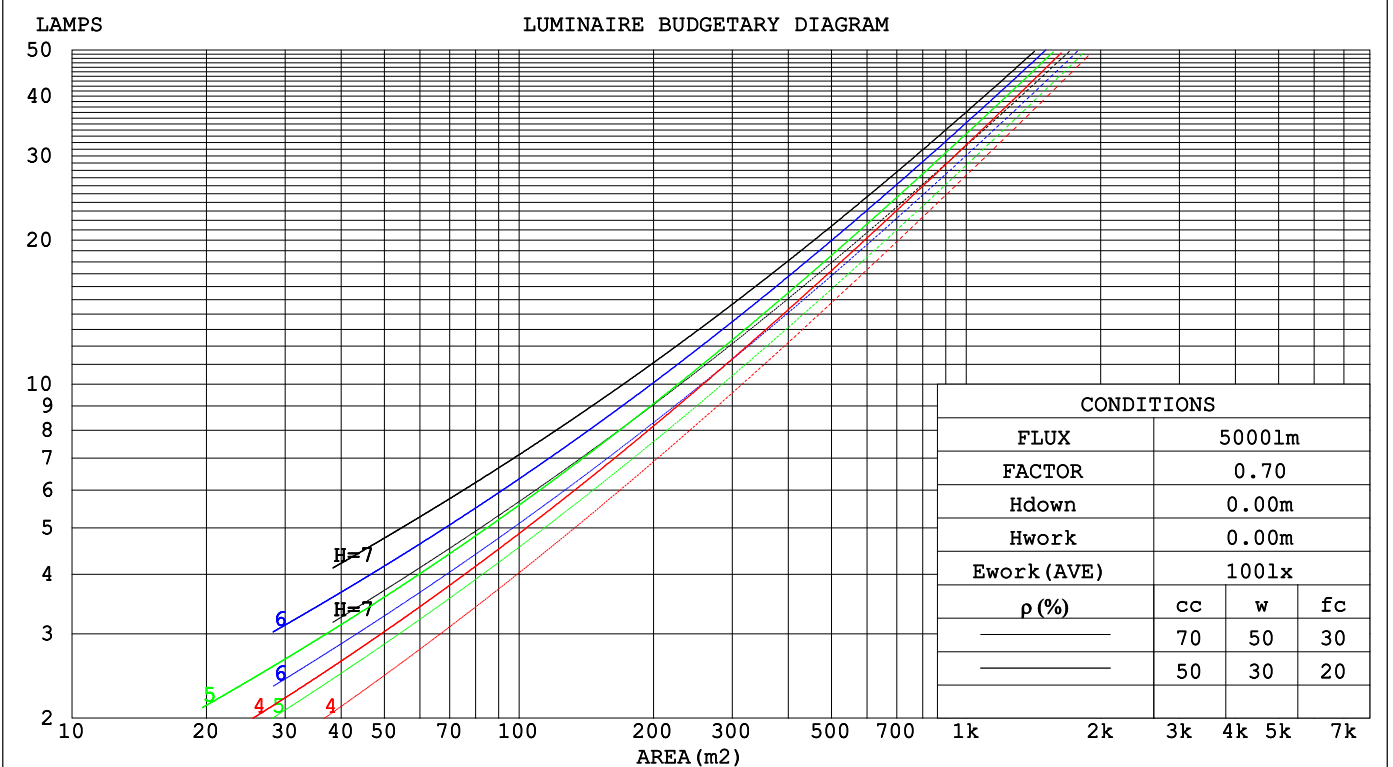
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1°C  
 Operators:  
 Test Date: 2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity: 50.0%  
 Test Distance: 10.026m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	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      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	1.01	1.01	1.01	.99
1.0	1.05	1.01	.98	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5.0	.64	.55	.49	.63	.54	.48	.60	.53	.48	.58	.52	.47	.57	.51	.46	.44
6.0	.57	.49	.42	.56	.48	.42	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1°C  
 Operators:  
 Test Date:2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity:50.0%  
 Test Distance:10.026m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm					
NAME: Brawny 200W 3000K - 297099		TYPE: Lens 120D		WEIGHT:	
SPEC.: 264L-3000K-RA80		DIM.:		SERIAL No.:	
MFR.: BBT LIGHTING		SUR.: 0.134m*0.134m*3.14		Shielding Angle:	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.283	.161	.051	.276	.157	.050	.262	.151	.048	.250	.144	.046	.238	.138	.045	
2.0	.275	.151	.046	.269	.148	.046	.257	.143	.044	.245	.138	.043	.235	.133	.042	
3.0	.259	.138	.041	.253	.136	.041	.243	.131	.040	.233	.128	.039	.224	.124	.038	
4.0	.242	.126	.037	.237	.124	.037	.227	.121	.036	.218	.117	.035	.210	.114	.035	
5.0	.225	.115	.033	.221	.113	.033	.212	.111	.033	.204	.108	.032	.197	.105	.032	
6.0	.210	.105	.030	.206	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029	
7.0	.196	.097	.027	.193	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.184	.090	.025	.181	.089	.025	.174	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.083	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.185	.163	.143	.158	.140	.123	.108	.096	.085	.062	.056	.049	.020	.018	.016	
2.0	.177	.139	.107	.151	.119	.092	.104	.082	.064	.060	.048	.038	.019	.016	.012	
3.0	.169	.121	.082	.145	.104	.071	.099	.072	.050	.057	.042	.030	.018	.014	.010	
4.0	.162	.107	.066	.139	.093	.057	.095	.065	.040	.055	.038	.024	.018	.012	.008	
5.0	.155	.097	.055	.133	.084	.047	.091	.059	.034	.053	.034	.020	.017	.011	.007	
6.0	.148	.089	.046	.127	.077	.040	.088	.054	.029	.051	.032	.017	.016	.010	.006	
7.0	.141	.082	.040	.121	.071	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
8.0	.135	.076	.036	.116	.066	.031	.080	.046	.022	.047	.027	.013	.015	.009	.004	
9.0	.129	.071	.032	.111	.062	.028	.077	.043	.020	.045	.026	.012	.015	.008	.004	
10.0	.123	.067	.029	.106	.058	.026	.074	.041	.018	.043	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1℃  
 Operators:  
 Test Date:2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity:50.0%  
 Test Distance:10.026m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	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	30.4	32.0	30.8	32.4	32.7	30.4	32.0	30.7	32.3	32.6
3H	31.4	32.8	31.8	33.1	33.5	31.3	32.7	31.7	33.1	33.5
4H	31.5	32.8	31.9	33.2	33.6	31.4	32.8	31.8	33.1	33.5
6H	31.5	32.8	31.9	33.1	33.5	31.4	32.7	31.9	33.1	33.5
8H	31.5	32.7	31.9	33.1	33.5	31.4	32.6	31.9	33.0	33.4
12H	31.5	32.6	31.9	33.0	33.4	31.4	32.5	31.8	32.9	33.4
4H 2H	30.8	32.2	31.3	32.6	33.0	30.8	32.2	31.2	32.5	32.9
3H	31.9	33.0	32.3	33.4	33.8	31.9	33.0	32.3	33.4	33.8
4H	32.0	33.0	32.5	33.5	33.9	32.0	33.1	32.5	33.5	33.9
6H	32.1	33.0	32.6	33.4	33.9	32.1	33.0	32.6	33.4	33.9
8H	32.1	32.9	32.5	33.3	33.8	32.1	32.9	32.6	33.4	33.8
12H	32.1	32.8	32.5	33.3	33.8	32.1	32.8	32.6	33.3	33.8
8H 4H	32.1	32.9	32.5	33.3	33.8	32.1	32.9	32.6	33.4	33.8
6H	32.1	32.8	32.6	33.3	33.8	32.1	32.8	32.7	33.3	33.8
8H	32.1	32.7	32.6	33.2	33.7	32.1	32.7	32.7	33.3	33.8
12H	32.1	32.6	32.6	33.1	33.7	32.1	32.6	32.6	33.1	33.7
12H 4H	32.0	32.8	32.5	33.3	33.7	32.1	32.8	32.6	33.3	33.8
6H	32.1	32.7	32.6	33.2	33.7	32.1	32.7	32.7	33.2	33.8
8H	32.1	32.6	32.6	33.1	33.7	32.1	32.6	32.6	33.2	33.7

CIE190: 2010										

CIE190: 2010  
Area: 0.0563818 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1℃  
Operators:  
Test Date:2024-06-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
Humidity:50.0%  
Test Distance:10.026m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:

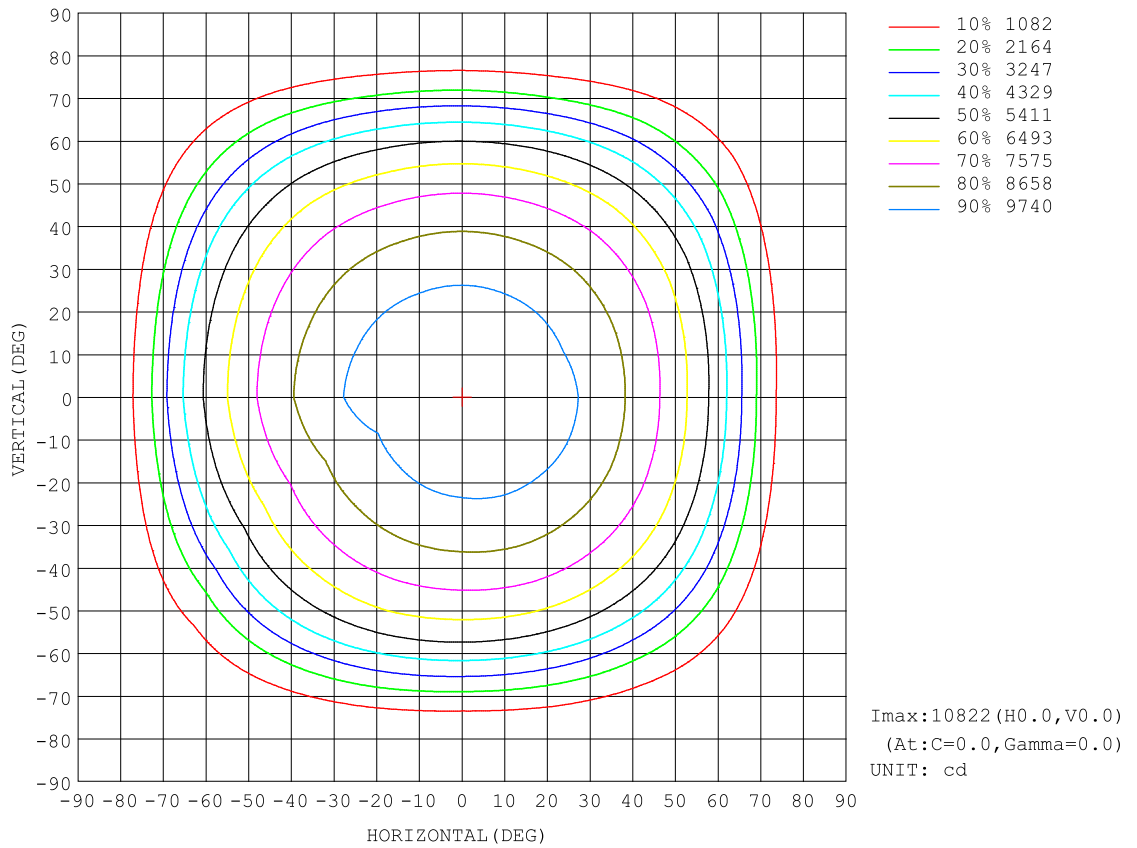
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	68	56	49	67	56	49	65	55	49	42
1.00	77	66	59	76	65	59	73	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	72	84	77	71	64
2.00	96	88	82	94	87	81	91	84	80	72
2.50	100	93	87	98	91	86	94	88	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	97	105	100	96	100	97	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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: 25.1°C  
 Operators:  
 Test Date: 2024-06-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity: 50.0%  
 Test Distance: 10.026m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:



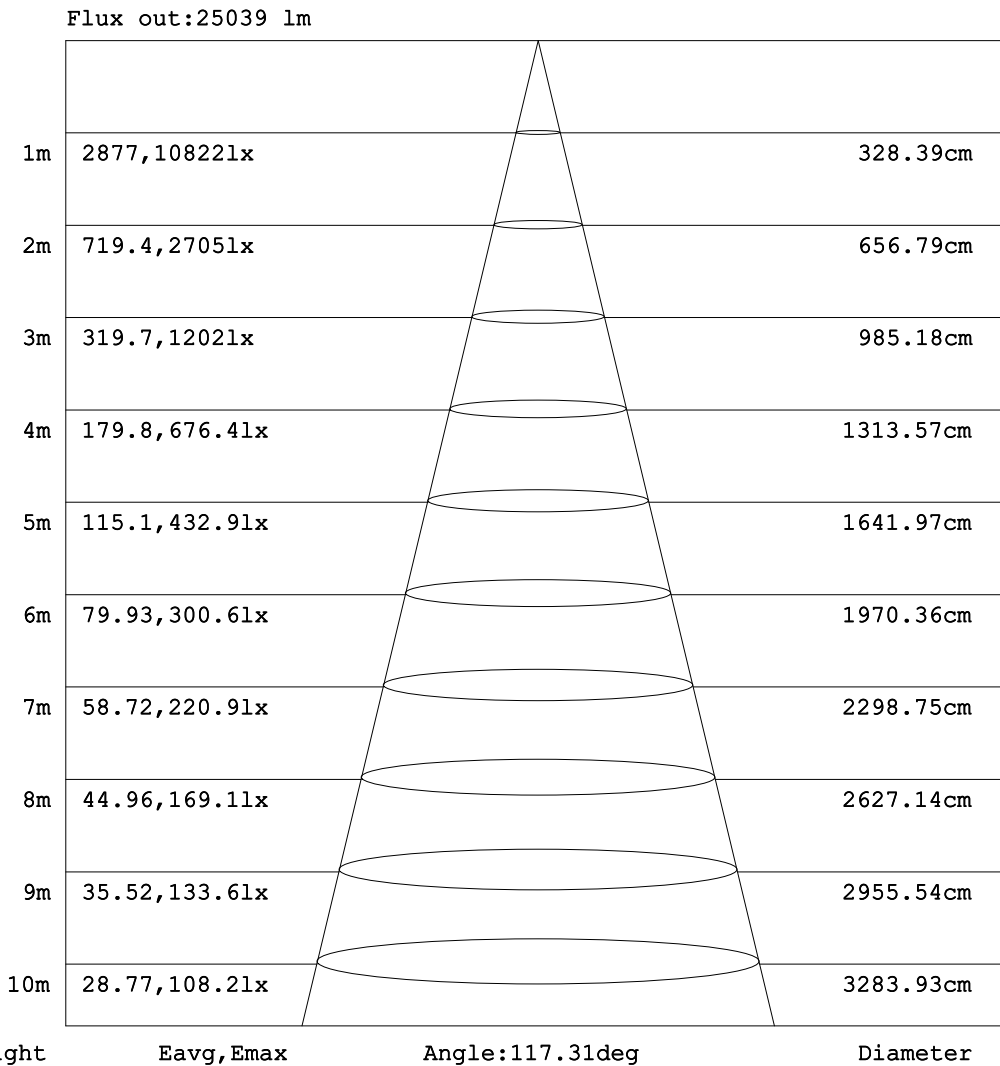
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.1°C  
Operators:  
Test Date:2024-06-19

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
Humidity:50.0%  
Test Distance:10.026m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:



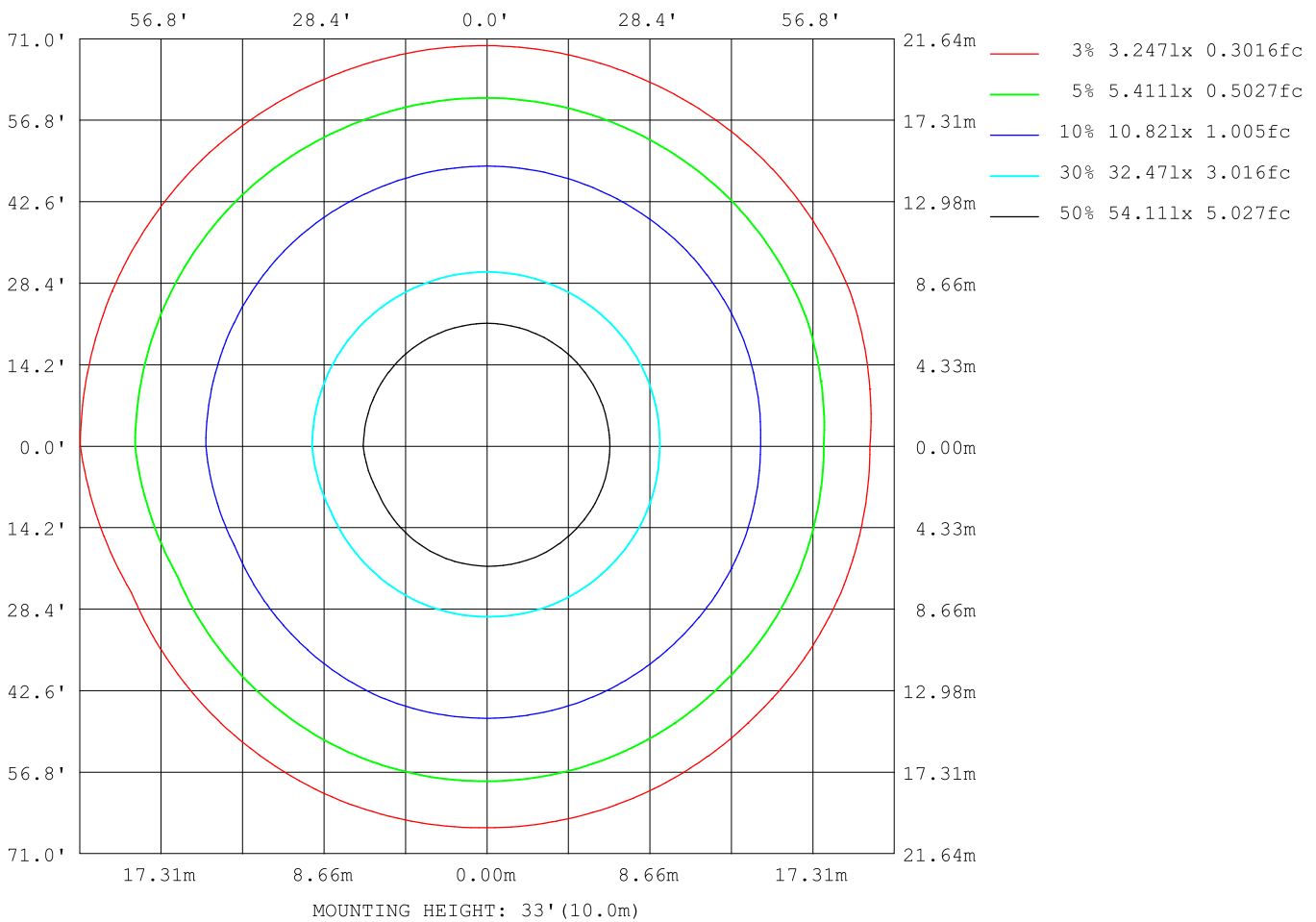
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1°C  
 Operators:  
 Test Date:2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity:50.0%  
 Test Distance:10.026m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1°C  
 Operators:  
 Test Date: 2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity: 50.0%  
 Test Distance: 10.026m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:

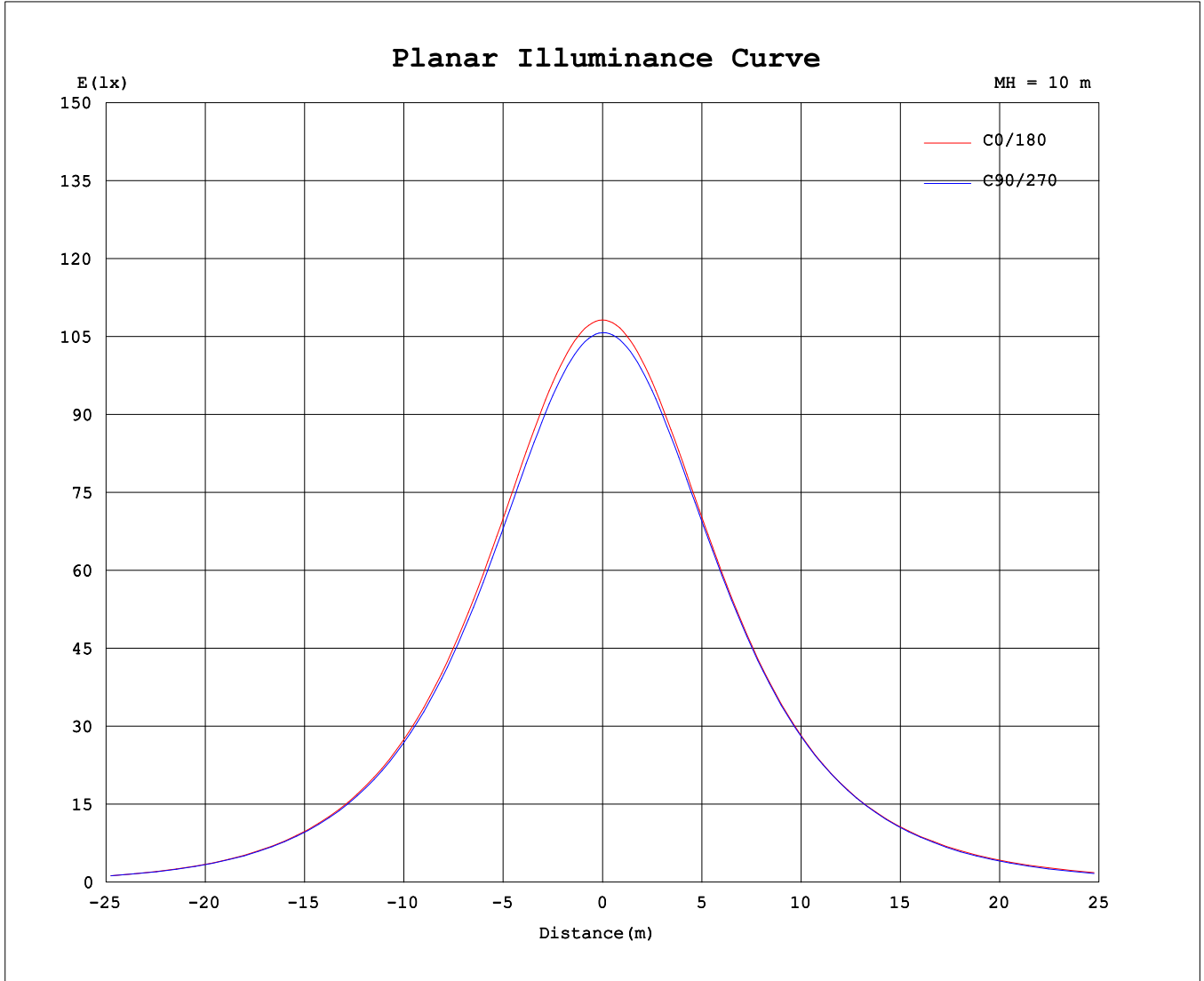
AvgL	cd/m2
L_0~180 (65) av	164510
L_0~180 (75) av	81355
L_0~180 (85) av	24848
L_90~270 (65) av	158332
L_90~270 (75) av	75674
L_90~270 (85) av	22402
L_45 (65) av	159463
L_45 (75) av	76427
L_45 (85) av	22932

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.1℃  
 Operators:  
 Test Date:2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity:50.0%  
 Test Distance:10.026m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1 °C  
 Operators:  
 Test Date: 2024-06-19

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.462  
 Humidity: 50.0%  
 Test Distance: 10.026m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:230.44V I:0.8758A P:197.47W PF:0.9784 Freq:50.01Hz Lamp Flux:30966.6x1 lm		
NAME: Brawny 200W 3000K - 297099	TYPE: Lens 120D	WEIGHT:
SPEC.: 264L-3000K-RA80	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.: 0.134m*0.134m*3.14	Shielding Angle:

Table--1

UNIT: X10cd

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	1082	1075	1068	1062	1058	1054	1051	1048	1082	1075	1068	1062	1058	1054	1051	1048			
5	1078	1071	1064	1058	1052	1048	1044	1042	1079	1072	1065	1060	1056	1053	1050	1048			
10	1067	1061	1053	1047	1040	1036	1031	1028	1068	1061	1055	1050	1047	1045	1043	1041			
15	1049	1043	1035	1029	1022	1016	1011	1008	1050	1043	1038	1034	1032	1030	1029	1028			
20	1024	1019	1010	1004	996	991	985	982	1026	1019	1015	1011	1011	1009	1009	1007			
25	991	987	978	973	964	958	952	949	994	988	985	982	982	981	981	980			
30	950	947	939	934	925	920	913	911	956	951	949	946	947	946	946	945			
35	902	899	892	887	878	874	867	865	911	907	906	903	903	903	904	903			
40	845	843	836	832	823	820	813	812	859	856	856	852	853	852	853	851			
45	778	777	770	767	760	758	751	748	799	797	797	793	794	793	794	791			
50	699	699	692	690	686	686	677	673	729	730	731	725	726	723	724	719			
55	604	604	595	595	594	597	588	587	649	651	652	643	644	640	640	631			
60	487	485	477	475	478	481	481	480	555	556	553	543	540	536	532	523			
65	342	342	332	335	338	346	349	351	442	438	432	420	417	410	407	391			
70	188	191	182	187	187	197	199	203	300	290	285	274	272	260	258	241			
75	85.7	87.2	82.8	86.9	83.6	89.3	91.2	95.2	152	145	143	136	137	130	129	120			
80	32.1	33.7	30.1	32.8	30.7	34.5	33.8	37.4	64.4	61.7	59.8	57.0	57.4	56.7	56.8	52.8			
85	4.93	5.68	4.73	4.98	4.45	5.79	5.03	5.86	19.5	18.5	18.0	17.2	17.6	16.8	17.4	16.5			
90	0.95	0.93	0.92	0.89	0.89	0.86	0.86	0.82	0.70	0.68	0.66	0.66	0.66	0.68	0.68	0.69			
95	1.42	1.39	1.38	1.34	1.34	1.30	1.30	1.24	0.94	0.94	0.91	0.92	0.92	0.94	0.94	0.96			
100	2.08	2.03	2.00	1.93	2.00	1.90	1.94	1.81	1.34	1.34	1.31	1.32	1.31	1.34	1.33	1.36			
105	2.80	2.76	2.69	2.70	2.66	2.61	2.61	2.57	1.87	1.85	1.78	1.79	1.81	1.82	1.92	1.90			
110	3.55	3.46	3.39	3.37	3.37	3.28	3.27	3.24	2.37	2.38	2.35	2.37	2.34	2.40	2.40	2.52			
115	4.24	4.25	4.20	4.32	4.19	4.08	4.02	3.94	3.03	3.00	2.96	3.06	2.99	3.04	3.01	3.24			
120	4.82	4.85	4.82	4.92	4.83	4.65	4.57	4.60	3.74	3.68	3.66	3.82	3.71	3.75	3.72	3.84			
125	5.17	5.14	5.17	5.09	5.08	5.05	5.06	5.01	4.22	4.21	4.19	4.18	4.16	4.27	4.14	4.14			
130	5.64	5.62	5.61	5.58	5.57	5.55	5.55	5.52	4.71	4.68	4.64	4.64	4.61	4.62	4.58	4.60			
135	6.14	6.12	6.09	6.07	6.06	6.04	6.04	6.01	5.18	5.14	5.11	5.09	5.07	5.06	5.03	5.05			
140	6.60	6.58	6.55	6.54	6.52	6.51	6.51	6.48	5.63	5.60	5.55	5.53	5.50	5.49	5.46	5.47			
145	7.05	7.04	7.00	6.99	6.97	6.96	6.96	6.94	6.08	6.03	5.99	5.95	5.92	5.90	5.88	5.88			
150	7.47	7.45	7.41	7.41	7.39	7.38	7.37	7.36	6.50	6.43	6.39	6.35	6.32	6.30	6.27	6.27			
155	7.83	7.82	7.78	7.77	7.75	7.74	7.73	7.72	6.90	6.82	6.78	6.74	6.71	6.68	6.65	6.65			
160	8.13	8.12	8.07	8.06	8.03	8.03	8.01	8.01	7.27	7.19	7.14	7.10	7.07	7.04	7.01	7.00			
165	8.42	8.41	8.35	8.34	8.30	8.30	8.28	8.28	7.74	7.68	7.62	7.56	7.53	7.49	7.47	7.46			
170	8.67	8.66	8.59	8.58	8.54	8.54	8.51	8.51	8.30	8.21	8.17	8.10	8.06	8.03	8.01	7.99			
175	8.80	8.80	8.71	8.71	8.65	8.65	8.60	8.60	8.79	8.69	8.66	8.58	8.55	8.50	8.49	8.46			
180	8.87	8.86	8.78	8.76	8.68	8.67	8.64	8.63	8.92	8.81	8.81	8.73	8.70	8.64	8.64	8.61			

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