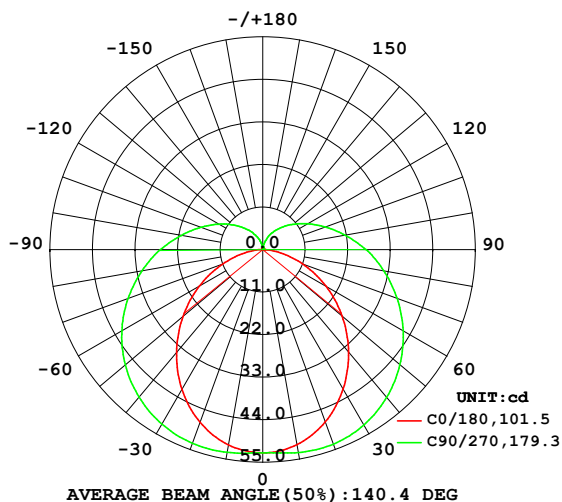


LUMINAIRE PHOTOMETRIC TEST REPORT

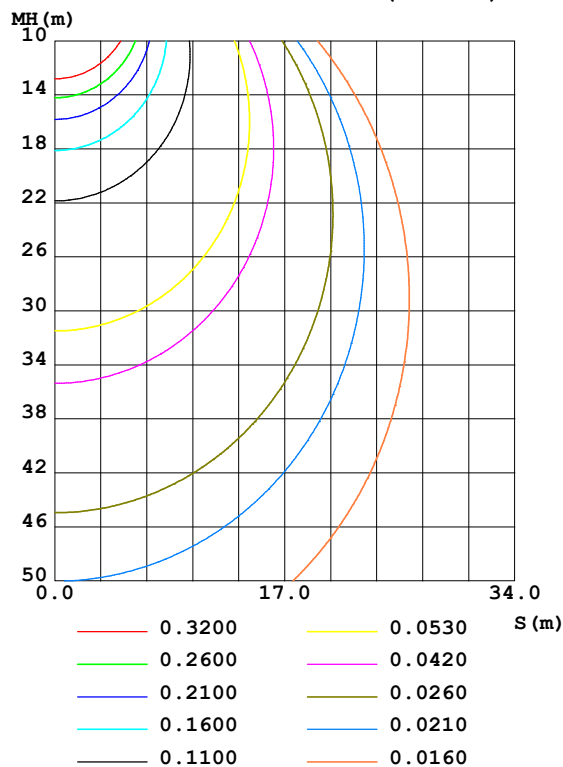
Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CRI:90 LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 27.74 lm/W			
MODEL	DPAL 20 4000K	Imax(cd)	53.56	S/MH(C0/180)	1.19
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.49
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	256.78	η UP,DN(C0-180)	9.7,40.3
NOMINAL FLUX(lm)	256.783	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.6,40.3
LAMPS INSIDE	1	η up(%)	19.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	80.7	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [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	51.20	52.39	53.26	52.40	51.25	52.34	53.22	52.34	0- 10	5.007	5.007	1.95,1.95
20	47.38	50.98	53.53	51.02	47.51	50.85	53.27	50.85	10- 20	14.61	19.62	7.64,7.64
30	41.61	48.00	52.35	48.07	41.78	47.87	52.12	47.88	20- 30	22.74	42.36	16.5,16.5
40	34.56	43.72	49.86	43.81	34.68	43.68	49.78	43.70	30- 40	28.45	70.81	27.6,27.6
50	26.80	38.59	46.29	38.70	26.92	38.67	46.39	38.70	40- 50	31.29	102.1	39.8,39.8
60	18.85	33.09	41.93	33.21	18.94	33.28	42.09	33.31	50- 60	31.28	133.4	51.9,51.9
70	11.09	27.65	36.99	27.79	11.13	27.86	37.07	27.90	60- 70	28.85	162.2	63.2,63.2
80	4.197	22.65	31.83	22.80	4.236	22.75	31.72	22.80	70- 80	24.76	187.0	72.8,72.8
90	0.5065	18.36	26.73	18.47	0.3521	18.30	26.47	18.36	80- 90	20.11	207.1	80.7,80.7
100	0.1100	14.45	21.64	14.53	0.1210	14.34	21.39	14.43	90-100	15.86	223.0	86.8,86.8
110	0.1174	11.28	17.22	10.85	0.1577	10.76	16.99	11.26	100-110	12.06	235.0	91.5,91.5
120	0.1430	8.718	13.42	7.894	0.2128	7.433	13.21	8.698	110-120	8.751	243.8	94.9,94.9
130	0.1869	6.629	10.22	5.165	0.2568	4.771	9.911	6.622	120-130	5.929	249.7	97.2,97.2
140	0.2274	4.875	7.495	3.472	0.2971	3.331	7.127	4.859	130-140	3.708	253.4	98.7,98.7
150	0.2458	3.316	5.139	2.076	0.3265	2.084	4.860	3.223	140-150	2.053	255.5	99.5,99.5
160	0.2861	1.680	2.710	1.298	0.3521	1.279	2.907	1.858	150-160	0.9527	256.4	99.9,99.9
170	0.3191	0.8186	0.7595	0.7157	0.3521	0.7732	0.7732	0.8765	160-170	0.3177	256.7	100,100
180	0.3521	0.3482	0.3447	0.3374	0.3521	0.3665	0.3631	0.3594	170-180	0.0525	256.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 86.282 lm

%lum = 33.6%
%lamp = 33.6%

Conical surface Flux(120deg): 133.37 lm

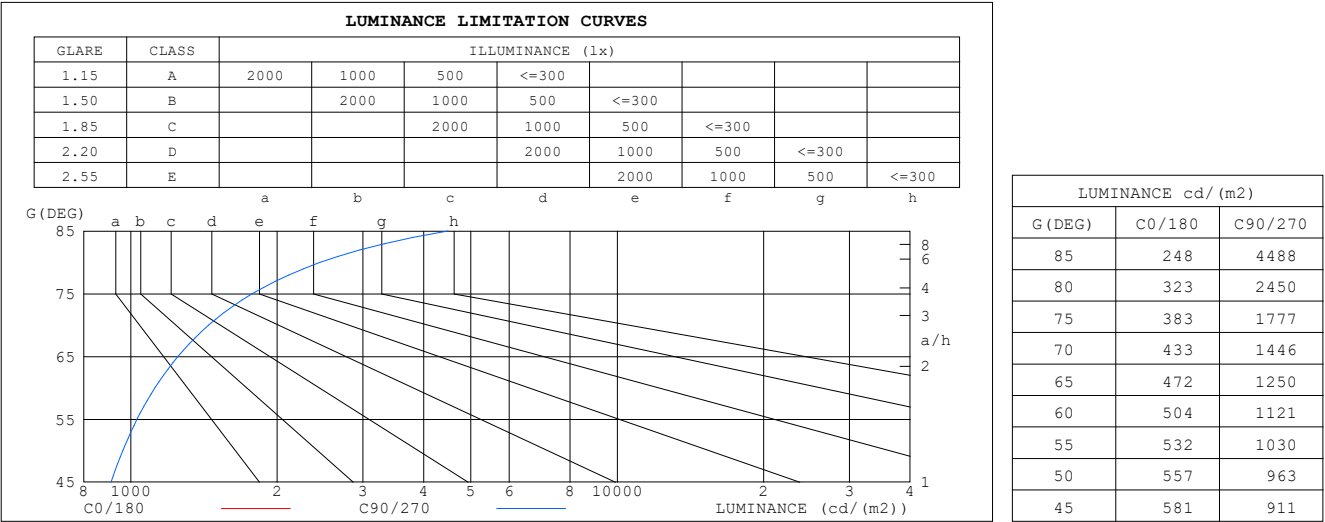
%lum = 51.9%
%lamp = 51.9%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CRI:90 LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



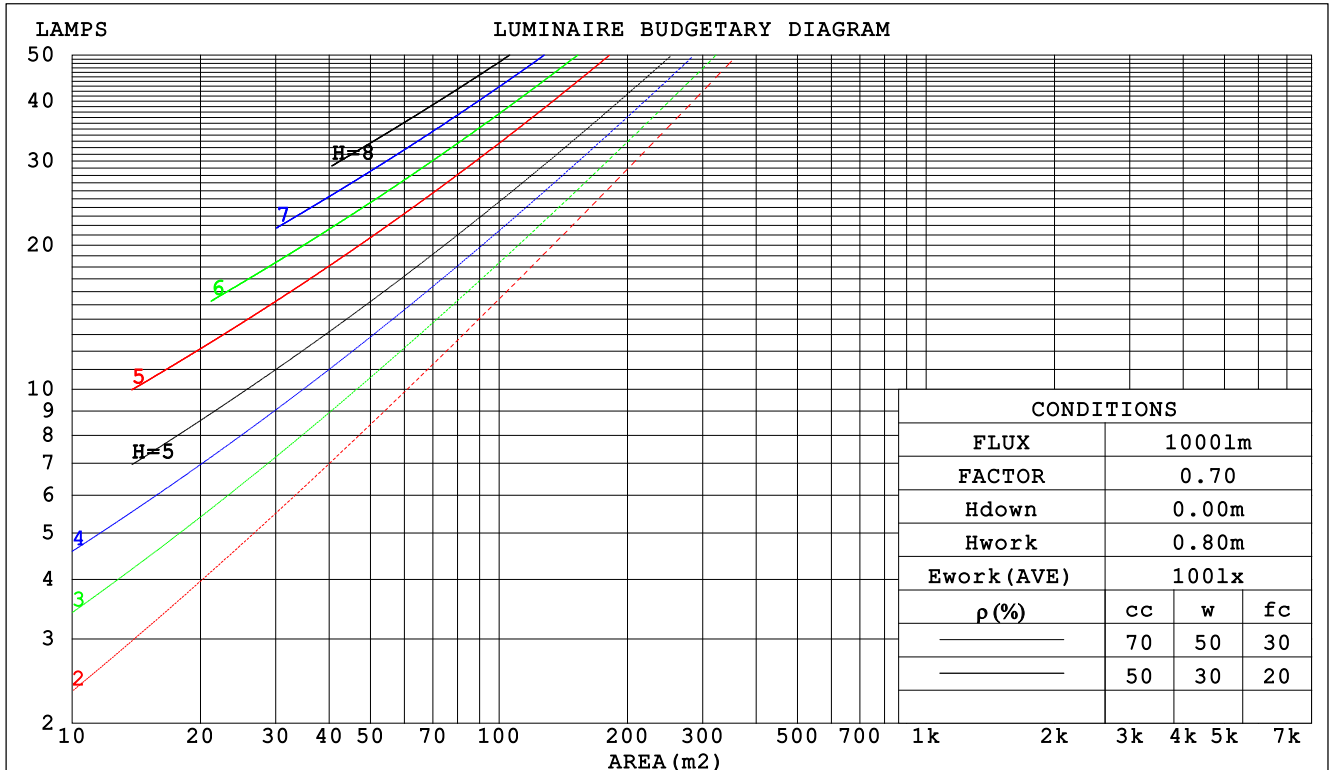
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K CR100:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.14	1.14	1.14	1.10	1.10	1.10	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.81
1.0	.95	.90	.85	.91	.86	.82	.83	.79	.75	.76	.73	.70	.69	.67	.64	.61
2.0	.81	.73	.67	.78	.70	.64	.71	.65	.60	.65	.60	.56	.59	.55	.52	.48
3.0	.70	.61	.54	.67	.59	.52	.61	.55	.49	.56	.50	.46	.51	.46	.42	.39
4.0	.62	.52	.45	.59	.50	.44	.54	.47	.41	.49	.43	.38	.45	.40	.36	.33
5.0	.55	.45	.38	.52	.44	.37	.48	.41	.35	.44	.38	.33	.40	.35	.31	.28
6.0	.49	.40	.33	.47	.38	.32	.43	.36	.30	.40	.33	.28	.36	.31	.27	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.36	.30	.25	.33	.28	.23	.21
8.0	.40	.31	.25	.39	.30	.25	.36	.28	.23	.33	.27	.22	.30	.25	.21	.19
9.0	.37	.28	.23	.35	.27	.22	.33	.26	.21	.30	.24	.20	.28	.23	.19	.17
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.26	.21	.17	.15



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CR1000:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	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	.390	.222	.070	.377	.215	.068	.352	.202	.065	.330	.190	.061	.309	.179	.058		
2.0	.336	.184	.056	.324	.178	.055	.302	.168	.052	.281	.158	.049	.262	.148	.047		
3.0	.298	.158	.047	.287	.154	.046	.267	.145	.044	.248	.136	.042	.231	.128	.040		
4.0	.268	.139	.041	.258	.135	.040	.240	.127	.038	.223	.120	.036	.207	.112	.034		
5.0	.243	.124	.036	.234	.120	.035	.218	.113	.033	.202	.107	.032	.188	.100	.030		
6.0	.222	.112	.032	.214	.108	.031	.199	.102	.030	.185	.096	.028	.172	.090	.027		
7.0	.205	.101	.029	.198	.099	.028	.184	.093	.027	.171	.088	.025	.159	.082	.024		
8.0	.190	.093	.026	.183	.090	.026	.171	.085	.024	.159	.080	.023	.147	.076	.022		
9.0	.177	.086	.024	.171	.083	.023	.159	.079	.022	.148	.074	.021	.138	.070	.020		
10.0	.166	.079	.022	.160	.077	.022	.149	.073	.021	.139	.069	.020	.129	.065	.019		

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	.338	.338	.338	.289	.289	.289	.197	.197	.197	.113	.113	.113	.036	.036	.036	
1.0	.334	.304	.277	.286	.261	.238	.196	.180	.165	.113	.104	.096	.036	.033	.031	
2.0	.328	.281	.242	.281	.242	.209	.192	.168	.146	.111	.097	.086	.036	.032	.028	
3.0	.320	.265	.221	.275	.229	.191	.188	.159	.134	.109	.093	.079	.035	.030	.026	
4.0	.312	.252	.207	.268	.218	.180	.184	.152	.126	.107	.089	.075	.034	.029	.025	
5.0	.305	.243	.197	.262	.210	.171	.180	.147	.121	.104	.086	.072	.034	.028	.024	
6.0	.297	.235	.190	.256	.203	.165	.176	.142	.117	.102	.084	.070	.033	.027	.023	
7.0	.290	.228	.185	.250	.198	.161	.172	.139	.114	.100	.082	.068	.032	.027	.022	
8.0	.284	.223	.181	.244	.193	.158	.169	.136	.112	.098	.080	.067	.032	.026	.022	
9.0	.277	.218	.178	.239	.189	.155	.165	.133	.110	.096	.079	.066	.031	.026	.022	
10.0	.271	.214	.175	.234	.186	.153	.162	.131	.109	.095	.077	.065	.031	.025	.022	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm										
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K CR1000:LED						WEIGHT:				
SPEC.:						DIM.:		SERIAL No.:1		
MFR.: DARKON						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	9.2	10.6	9.8	11.1	11.7	12.3	13.7	12.8	14.2	14.8
3H	10.6	11.9	11.2	12.5	13.1	15.1	16.3	15.6	16.9	17.5
4H	11.2	12.4	11.8	13.0	13.6	16.6	17.8	17.1	18.3	19.0
6H	11.6	12.7	12.2	13.3	14.0	18.2	19.3	18.8	19.9	20.6
8H	11.7	12.8	12.3	13.4	14.1	19.1	20.2	19.7	20.8	21.5
12H	11.8	12.8	12.4	13.4	14.1	20.2	21.2	20.8	21.9	22.6
4H 2H	10.7	11.9	11.2	12.4	13.1	12.8	14.0	13.4	14.6	15.2
3H	12.4	13.4	13.0	14.0	14.7	15.8	16.9	16.4	17.5	18.2
4H	13.1	14.1	13.8	14.7	15.5	17.5	18.5	18.2	19.1	19.9
6H	13.8	14.6	14.4	15.3	16.1	19.4	20.3	20.1	21.0	21.7
8H	14.0	14.8	14.7	15.5	16.3	20.5	21.3	21.2	22.0	22.8
12H	14.1	14.9	14.8	15.6	16.4	21.7	22.4	22.4	23.1	23.9
8H 4H	14.5	15.3	15.2	16.0	16.8	17.9	18.7	18.5	19.3	20.1
6H	15.5	16.2	16.3	16.9	17.8	20.1	20.8	20.8	21.5	22.3
8H	16.0	16.6	16.7	17.4	18.2	21.3	22.0	22.1	22.7	23.5
12H	16.4	16.9	17.1	17.7	18.5	22.8	23.4	23.6	24.1	25.0
12H 4H	14.9	15.7	15.6	16.4	17.2	17.9	18.6	18.6	19.3	20.1
6H	16.3	16.9	17.0	17.6	18.4	20.2	20.8	20.9	21.5	22.4
8H	16.9	17.5	17.7	18.2	19.1	21.6	22.1	22.3	22.9	23.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 256.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.7)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CR100E:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

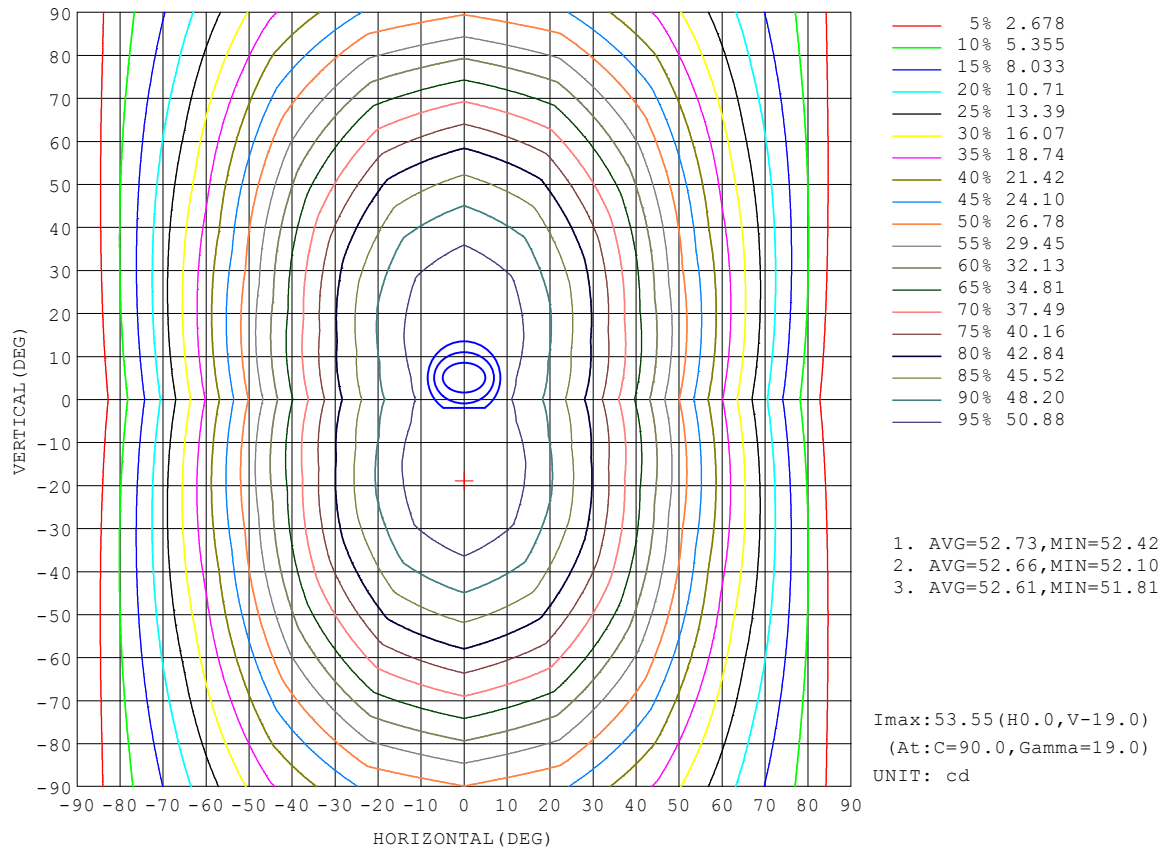
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	27	46	34	27	44	33	27	20
0.80	56	43	35	55	42	35	52	41	34	26
1.00	64	51	42	62	50	42	58	50	41	32
1.25	71	58	49	68	57	48	64	54	47	37
1.50	76	63	55	73	62	54	68	59	52	41
2.00	83	72	63	80	70	62	74	66	59	47
2.50	88	77	69	84	75	67	78	70	64	51
3.00	91	82	74	88	79	72	81	74	68	55
4.00	96	88	81	92	85	79	85	79	74	59
5.00	99	92	86	95	89	83	87	82	78	62
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
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CR100:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

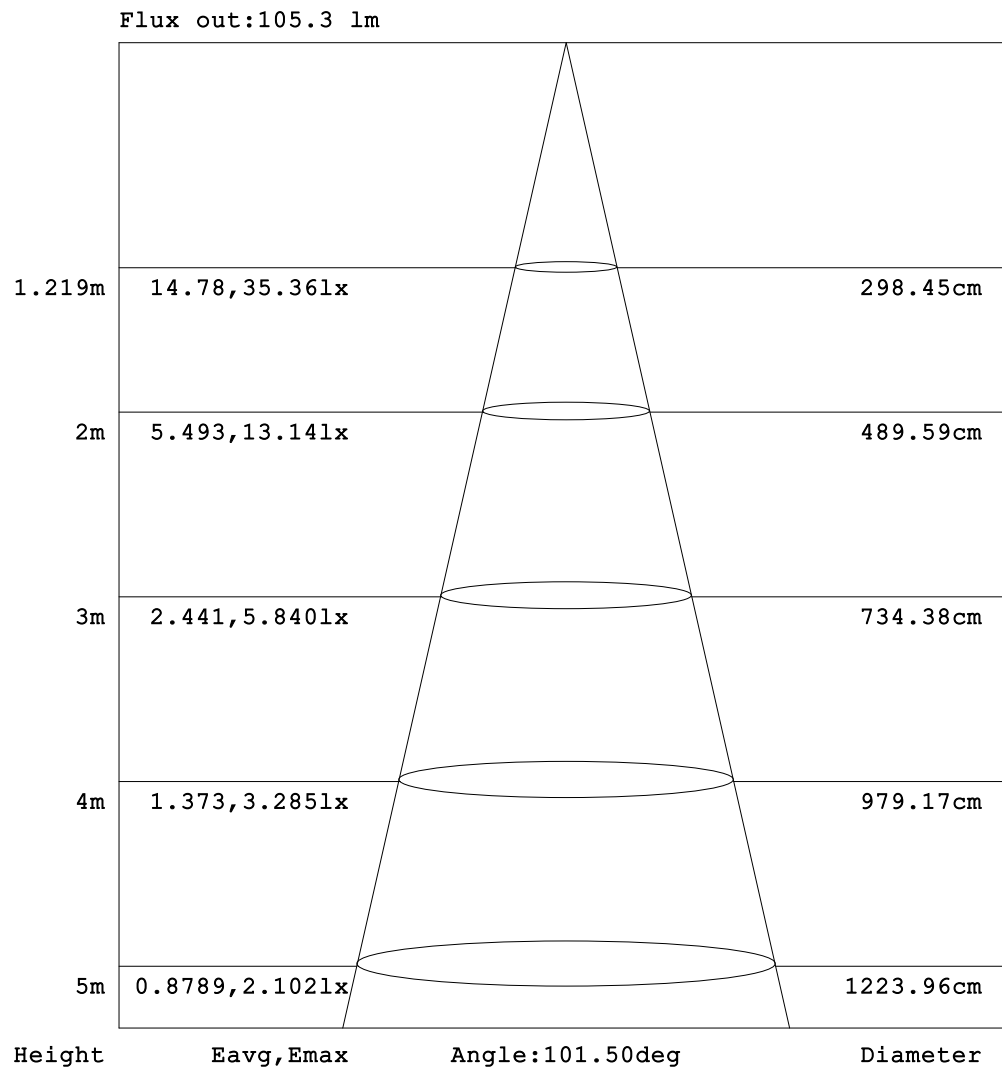


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

AAI Figure

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CRI:90 LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



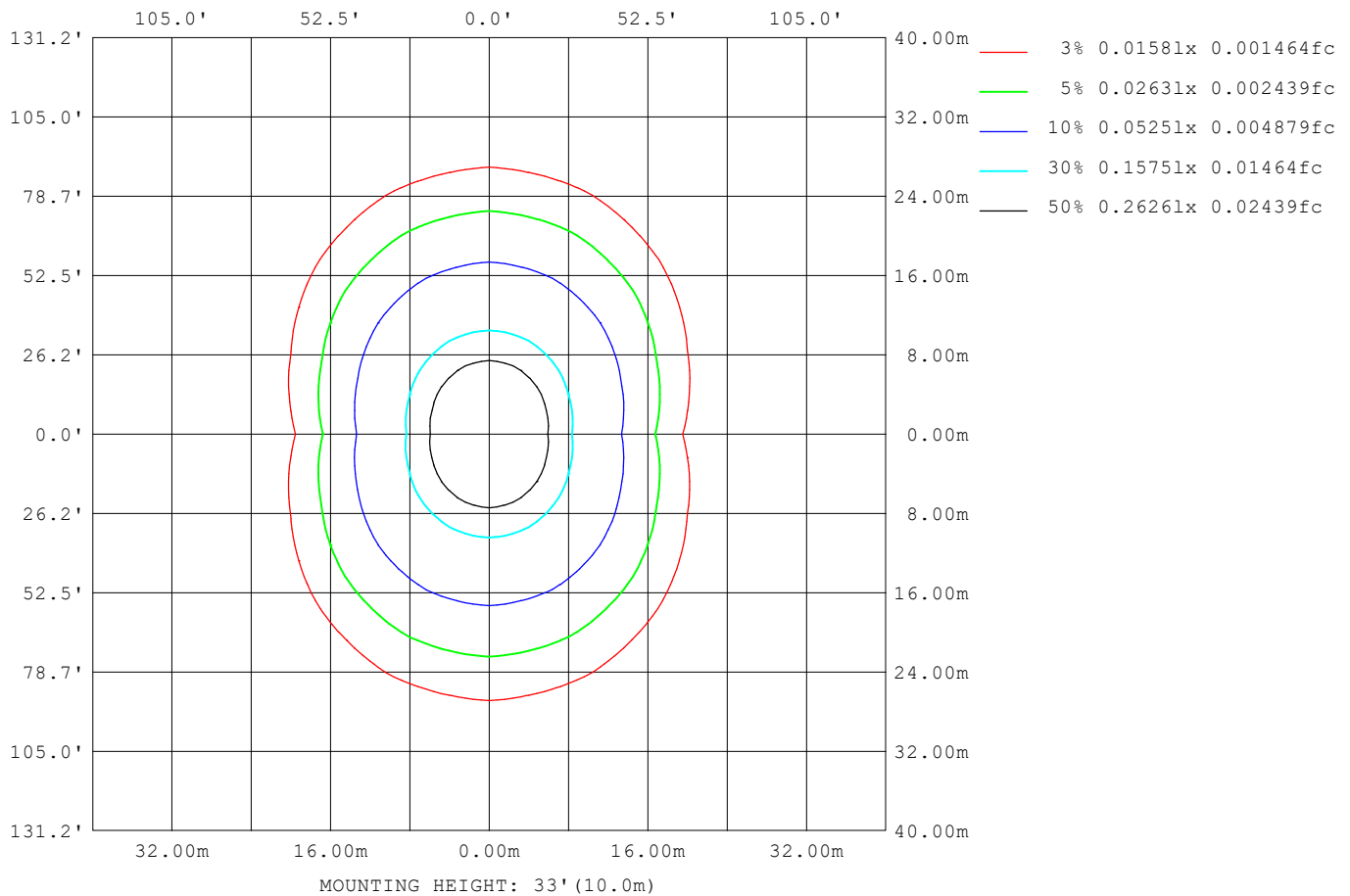
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K CR100E:LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CR100:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

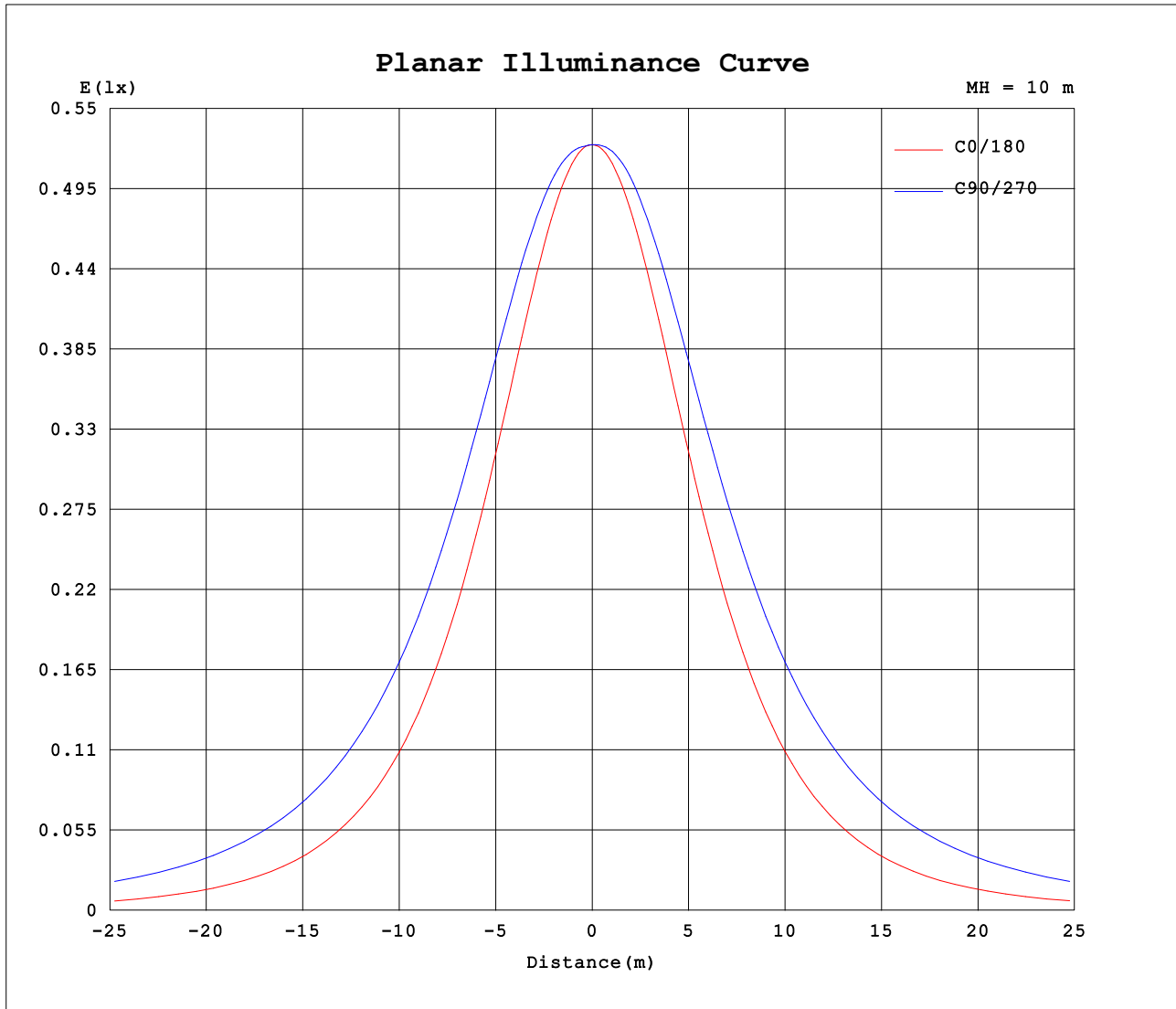
AvgL	cd/m2
L_0~180 (65) av	473
L_0~180 (75) av	386
L_0~180 (85) av	245
L_90~270 (65) av	1252
L_90~270 (75) av	1777
L_90~270 (85) av	4475
L_45 (65) av	964
L_45 (75) av	1302
L_45 (85) av	3141

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JEFF
Test Date:11 March 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.891m [K=1.0000]
Remarks:

Planar Illuminance Curve



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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:239.8V I:0.0577A P:9.255W PF:0.6690 Lamp Flux:256.783x1 lm		
NAME: GRAZER TUBE_1015_NA_WHT_OPAL_DPAL 20_4000K	CR1000:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: DARKON	SUR.:	Shielding Angle:

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	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5			
5	52.2	52.3	52.5	52.7	52.8	52.7	52.5	52.3	52.2	52.4	52.5	52.7	52.8	52.7	52.5	52.3			
10	51.2	51.6	52.4	53.0	53.3	53.0	52.4	51.6	51.3	51.6	52.3	52.9	53.2	53.0	52.3	51.6			
15	49.6	50.4	51.9	53.1	53.5	53.1	51.9	50.4	49.7	50.4	51.8	53.0	53.4	53.0	51.8	50.4			
20	47.4	48.7	51.0	52.8	53.5	52.8	51.0	48.8	47.5	48.7	50.9	52.6	53.3	52.6	50.9	48.7			
25	44.7	46.6	49.7	52.1	53.1	52.2	49.7	46.7	44.9	46.6	49.5	51.9	52.9	52.0	49.5	46.6			
30	41.6	44.1	48.0	51.1	52.4	51.2	48.1	44.2	41.8	44.1	47.9	50.9	52.1	51.0	47.9	44.0			
35	38.2	41.3	46.0	49.8	51.3	49.8	46.1	41.4	38.4	41.2	45.9	49.6	51.1	49.7	45.9	41.2			
40	34.6	38.2	43.7	48.2	49.9	48.2	43.8	38.3	34.7	38.1	43.7	48.1	49.8	48.1	43.7	38.1			
45	30.7	34.9	41.2	46.3	48.2	46.4	41.3	35.1	30.8	34.9	41.3	46.3	48.2	46.3	41.3	34.9			
50	26.8	31.5	38.6	44.2	46.3	44.3	38.7	31.7	26.9	31.6	38.7	44.2	46.4	44.3	38.7	31.6			
55	22.8	28.1	35.9	41.9	44.2	42.0	36.0	28.3	22.9	28.2	36.0	42.0	44.3	42.1	36.0	28.2			
60	18.9	24.7	33.1	39.5	41.9	39.6	33.2	24.9	18.9	24.8	33.3	39.7	42.1	39.7	33.3	24.8			
65	14.9	21.4	30.3	37.1	39.5	37.1	30.5	21.6	15.0	21.5	30.5	37.2	39.6	37.2	30.6	21.5			
70	11.1	18.2	27.7	34.5	37.0	34.6	27.8	18.4	11.1	18.3	27.9	34.7	37.1	34.7	27.9	18.4			
75	7.43	15.3	25.1	32.0	34.4	32.1	25.2	15.5	7.52	15.4	25.2	32.1	34.4	32.1	25.3	15.5			
80	4.20	12.7	22.7	29.5	31.8	29.6	22.8	12.9	4.24	12.8	22.8	29.5	31.7	29.5	22.8	12.9			
85	1.61	10.6	20.4	27.0	29.3	27.1	20.6	10.7	1.59	10.6	20.4	26.9	29.1	27.0	20.5	10.7			
90	0.51	8.89	18.4	24.6	26.7	24.7	18.5	9.02	0.35	8.80	18.3	24.4	26.5	24.5	18.4	8.92			
95	0.40	7.46	16.3	22.1	24.1	22.2	16.4	7.58	0.29	7.37	16.2	21.8	23.9	22.1	16.3	7.50			
100	0.11	6.38	14.4	19.8	21.6	19.9	14.5	6.48	0.12	6.30	14.3	19.4	21.4	19.8	14.4	6.42			
105	0.11	5.55	12.8	17.7	19.4	17.8	12.7	5.54	0.14	5.34	12.4	17.3	19.1	17.6	12.8	5.59			
110	0.12	4.87	11.3	15.7	17.2	15.8	10.9	4.71	0.16	4.51	10.8	15.3	17.0	15.6	11.3	4.92			
115	0.12	4.31	9.93	13.9	15.2	13.9	9.35	4.00	0.19	3.87	9.15	13.5	15.0	13.8	9.91	4.35			
120	0.14	3.81	8.72	12.2	13.4	12.0	7.89	3.22	0.21	3.18	7.43	11.8	13.2	12.2	8.70	3.85			
125	0.18	3.36	7.62	10.7	11.8	10.5	6.29	2.54	0.23	2.65	6.08	10.1	11.6	10.6	7.61	3.39			
130	0.19	2.93	6.63	9.27	10.2	8.68	5.17	2.10	0.26	2.22	4.77	8.59	9.91	9.25	6.62	2.84			
135	0.20	2.48	5.72	7.99	8.81	7.17	4.27	1.78	0.28	1.86	4.06	6.88	8.46	7.97	5.71	2.47			
140	0.23	1.97	4.88	6.79	7.50	5.56	3.47	1.48	0.30	1.54	3.33	5.44	7.13	6.78	4.86	2.12			
145	0.23	1.50	4.08	5.69	6.28	4.38	2.65	1.17	0.31	1.23	2.65	3.98	6.06	5.68	3.98	1.66			
150	0.25	1.15	3.32	4.64	5.14	3.13	2.08	1.02	0.33	1.06	2.08	3.00	4.86	4.54	3.22	1.38			
155	0.28	1.00	2.40	3.67	4.05	2.15	1.62	0.85	0.34	0.95	1.62	2.33	3.80	3.59	2.57	1.14			
160	0.29	0.80	1.68	2.50	2.71	1.62	1.30	0.74	0.35	0.84	1.28	1.67	2.91	2.74	1.86	0.91			
165	0.31	0.61	1.18	1.57	1.74	1.07	0.99	0.61	0.35	0.71	1.03	1.12	1.88	1.82	1.31	0.72			
170	0.32	0.47	0.82	1.02	0.76	0.71	0.72	0.47	0.35	0.59	0.77	0.80	0.77	1.16	0.88	0.58			
175	0.35	0.34	0.50	0.54	0.47	0.47	0.49	0.35	0.35	0.48	0.53	0.57	0.49	0.65	0.54	0.46			
180	0.35	0.36	0.35	0.36	0.34	0.35	0.34	0.34	0.35	0.38	0.37	0.37	0.36	0.36	0.36	0.36			

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