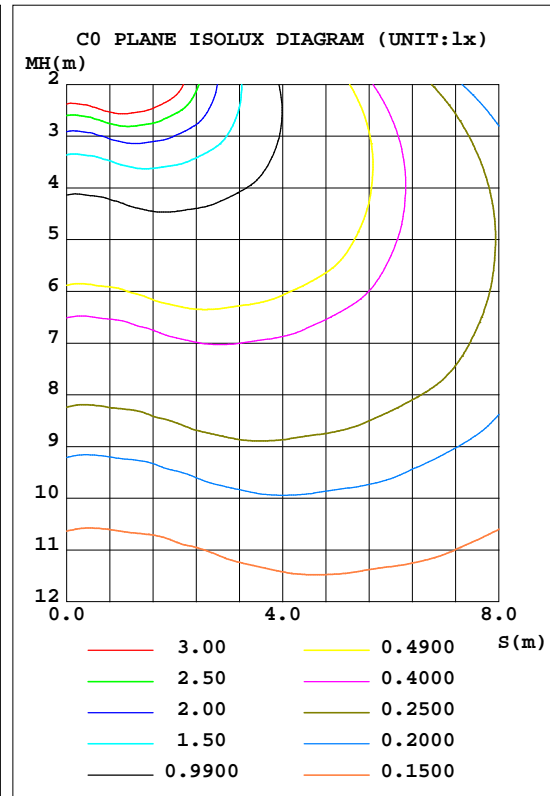
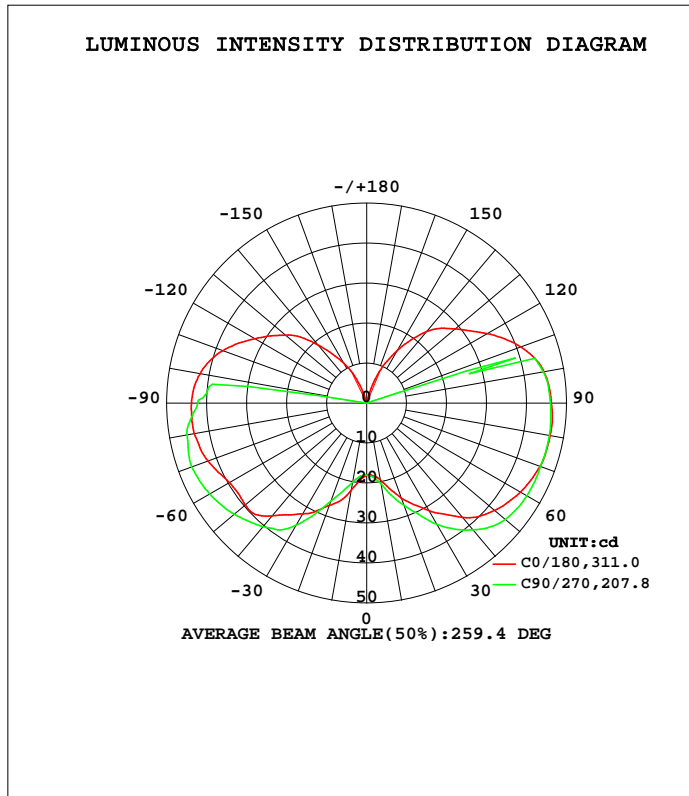


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.16 lm/W			
MODEL		I _{max} (cd)	49.78	S/MH(C0/180)	2.56
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	2.72
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	361.18	η UP, DN(C0-180)	20.3,31.7
NOMINAL FLUX(lm)	361.184	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	17.1,30.9
LAMPS INSIDE	1	η up(%)	37.4	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	--	η down(%)	62.6	CIBSE SHR MAX	2.00



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [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	19.47	19.40	20.46	18.50	22.00	21.18	19.99	20.35	0- 10	1.816	1.816	0.50,0.50
20	25.23	25.38	27.19	20.12	27.23	27.69	26.05	23.07	10- 20	6.464	8.280	2.29,2.29
30	31.01	31.49	35.00	22.65	31.97	34.10	35.20	24.44	20- 30	12.89	21.17	5.86,5.86
40	37.29	37.01	41.40	26.03	36.80	40.28	40.33	27.05	30- 40	20.61	41.78	11.6,11.6
50	41.78	41.39	45.26	27.52	39.63	43.62	43.23	29.06	40- 50	28.50	70.29	19.5,19.5
60	44.48	43.66	46.32	25.67	39.71	45.56	45.37	29.76	50- 60	34.43	104.7	29,29
70	46.16	44.69	46.30	25.20	42.28	47.05	46.59	26.85	60- 70	38.56	143.3	39.7,39.7
80	46.59	45.08	46.40	25.14	43.79	46.57	45.64	25.45	70- 80	41.11	184.4	51,51
90	46.18	44.95	45.96	25.79	43.83	45.03	42.24	24.24	80- 90	41.79	226.2	62.6,62.6
100	45.06	44.57	44.90	27.03	42.32	42.43	1.678	22.88	90-100	40.55	266.7	73.8,73.8
110	41.07	42.21	0.3163	29.10	38.33	38.20	0.2134	21.12	100-110	35.43	302.2	83.7,83.7
120	34.79	37.62	0.2431	27.03	32.28	33.45	0.1954	18.83	110-120	28.42	330.6	91.5,91.5
130	28.88	31.53	0.2381	21.14	26.50	27.61	0.2003	17.34	120-130	17.64	348.2	96.4,96.4
140	23.42	14.14	0.2168	17.01	19.07	2.929	0.1929	0.5299	130-140	8.514	356.7	98.8,98.8
150	15.07	0.2794	0.1929	3.904	11.62	0.2162	0.1650	0.1429	140-150	3.041	359.8	99.6,99.6
160	6.534	0.2123	0.1700	0.1225	3.875	0.1685	0.1486	0.1507	150-160	1.115	360.9	99.9,99.9
170	0.1505	0.1526	0.1519	0.1160	0.1457	0.1428	0.1396	0.1188	160-170	0.2919	361.2	100,100
180	0.1434	0.1404	0.1387	0.1136	0.1458	0.1412	0.1396	0.0980	170-180	0.0129	361.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 55.131 lm

%lum = 15.3%
%lamp = 15.3%

Conical surface Flux(120deg): 104.72 lm

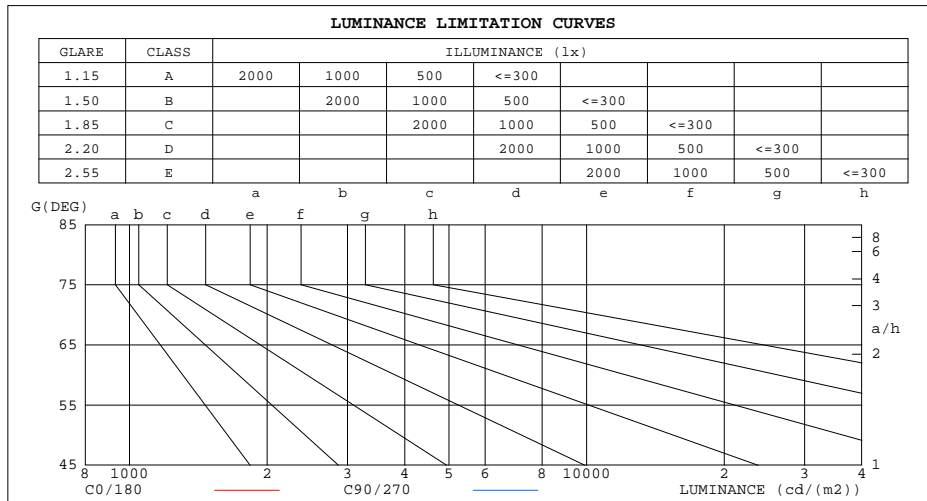
%lum = 29.0%
%lamp = 29.0%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	502829	480919
80	252086	242246
75	168757	162502
70	126802	122718
65	100936	99503
60	83579	83994
55	70797	72660
50	61068	63841
45	53176	56117

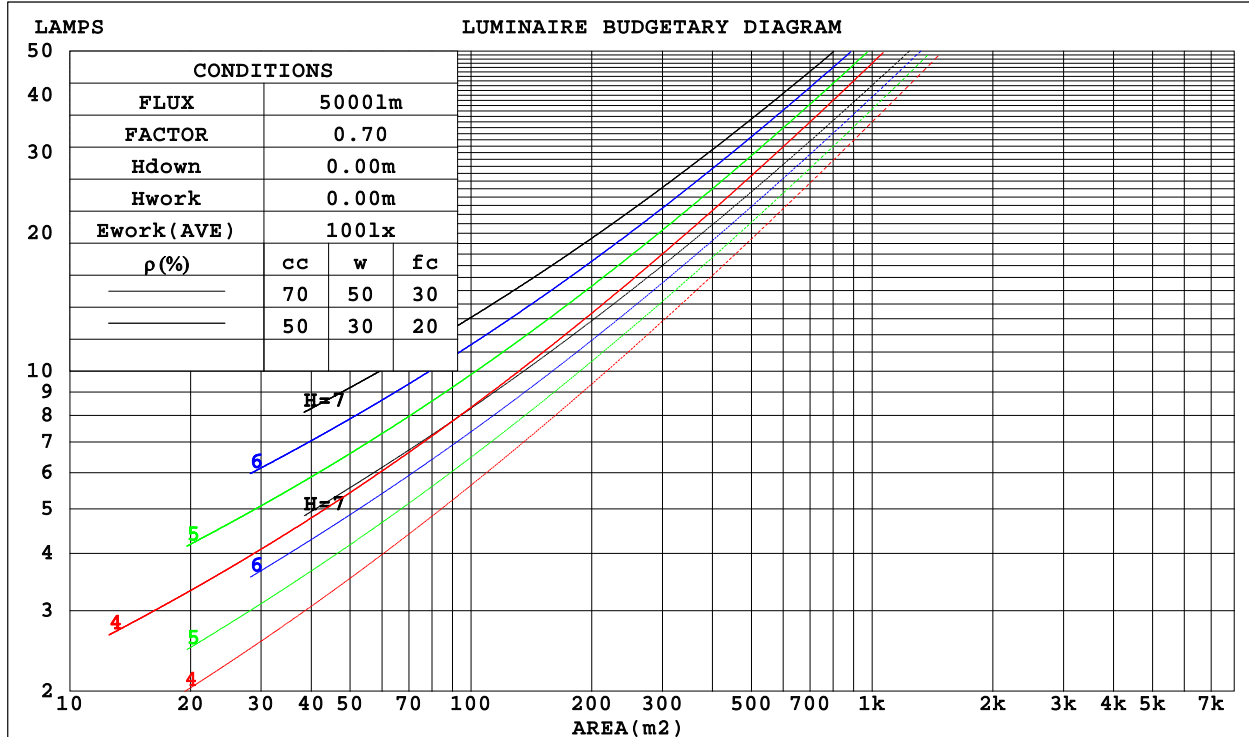
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	1.10	1.10	1.10	1.03	1.03	1.03	.90	.90	.90	.79	.79	.79	.68	.68	.68	.63
1.0	.88	.82	.76	.82	.76	.71	.71	.66	.62	.60	.57	.54	.51	.48	.46	.41
2.0	.73	.65	.58	.68	.61	.54	.59	.52	.47	.50	.45	.40	.41	.37	.34	.30
3.0	.63	.53	.45	.58	.49	.42	.50	.43	.37	.42	.36	.32	.35	.30	.26	.22
4.0	.54	.44	.37	.50	.41	.34	.43	.36	.30	.36	.30	.26	.30	.25	.21	.18
5.0	.48	.38	.30	.44	.35	.28	.38	.30	.25	.32	.26	.21	.26	.21	.18	.14
6.0	.42	.33	.26	.39	.30	.24	.34	.26	.21	.28	.22	.18	.23	.19	.15	.12
7.0	.38	.28	.22	.35	.27	.21	.30	.23	.18	.25	.20	.15	.21	.16	.13	.10
8.0	.34	.25	.19	.32	.23	.18	.27	.20	.15	.23	.17	.13	.19	.14	.11	.08
9.0	.31	.22	.17	.29	.21	.16	.25	.18	.13	.21	.16	.11	.18	.13	.10	.07
10.0	.28	.20	.15	.26	.19	.14	.23	.16	.12	.19	.14	.10	.16	.12	.08	.06



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	.445	.253	.080	.427	.243	.077	.391	.225	.072	.359	.207	.066	.330	.191	.062	
2.0	.368	.202	.062	.351	.193	.060	.319	.177	.055	.289	.162	.051	.262	.148	.047	
3.0	.318	.170	.051	.303	.162	.049	.274	.148	.045	.247	.135	.041	.222	.123	.038	
4.0	.282	.146	.043	.268	.140	.041	.241	.128	.038	.216	.116	.035	.193	.105	.032	
5.0	.253	.129	.037	.240	.123	.036	.216	.112	.033	.193	.102	.030	.172	.092	.028	
6.0	.230	.115	.033	.218	.110	.032	.195	.100	.029	.174	.091	.027	.155	.081	.024	
7.0	.210	.104	.029	.200	.099	.028	.179	.090	.026	.159	.082	.024	.141	.073	.022	
8.0	.194	.095	.027	.184	.091	.026	.165	.082	.024	.147	.074	.021	.130	.067	.019	
9.0	.180	.087	.024	.171	.083	.023	.153	.076	.021	.136	.068	.020	.120	.061	.018	
10.0	.168	.080	.022	.159	.077	.021	.142	.070	.020	.127	.063	.018	.112	.056	.016	

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	.475	.475	.475	.406	.406	.406	.277	.277	.277	.159	.159	.159	.051	.051	.051	
1.0	.477	.442	.411	.408	.379	.354	.279	.261	.245	.161	.151	.142	.051	.049	.046	
2.0	.471	.421	.378	.404	.362	.327	.277	.250	.228	.160	.146	.134	.051	.047	.044	
3.0	.464	.405	.358	.398	.350	.310	.273	.243	.218	.158	.142	.128	.051	.046	.042	
4.0	.457	.394	.345	.392	.340	.300	.270	.237	.211	.156	.139	.125	.050	.045	.041	
5.0	.449	.384	.337	.386	.333	.293	.266	.232	.207	.154	.136	.123	.050	.045	.040	
6.0	.442	.377	.331	.380	.326	.288	.262	.229	.204	.152	.134	.121	.049	.044	.040	
7.0	.434	.371	.326	.374	.321	.284	.258	.225	.201	.150	.133	.120	.048	.043	.040	
8.0	.428	.365	.323	.368	.317	.281	.255	.223	.200	.148	.131	.119	.048	.043	.039	
9.0	.421	.361	.320	.363	.313	.279	.251	.220	.198	.146	.130	.118	.047	.043	.039	
10.0	.415	.357	.318	.358	.310	.278	.248	.218	.197	.145	.129	.118	.047	.042	.039	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm										
NAME: 487199-GY6.35-4W-3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	25.8	27.1	26.6	27.9	28.8	26.1	27.4	26.9	28.2	29.1
3H	29.1	30.3	29.9	31.1	32.1	29.3	30.5	30.1	31.3	32.2
4H	31.0	32.1	31.8	32.9	33.9	31.1	32.2	31.9	33.0	34.0
6H	33.1	34.1	33.9	34.9	36.0	33.1	34.1	33.9	35.0	36.0
8H	34.3	35.3	35.1	36.1	37.1	34.2	35.2	35.0	36.1	37.1
12H	35.6	36.6	36.4	37.4	38.4	35.5	36.5	36.3	37.3	38.4
4H 2H	26.8	27.9	27.6	28.7	29.8	27.0	28.1	27.8	28.9	30.0
3H	30.2	31.2	31.0	32.0	33.1	30.4	31.4	31.2	32.2	33.3
4H	32.2	33.1	33.0	33.9	35.0	32.4	33.3	33.2	34.1	35.2
6H	34.4	35.2	35.3	36.1	37.2	34.6	35.4	35.4	36.2	37.3
8H	35.7	36.4	36.5	37.3	38.4	35.8	36.5	36.6	37.4	38.5
12H	37.1	37.8	38.0	38.7	39.8	37.2	37.9	38.0	38.8	39.9
8H 4H	32.9	33.7	33.8	34.6	35.7	33.1	33.8	33.9	34.7	35.8
6H	35.4	36.0	36.3	36.9	38.1	35.6	36.2	36.4	37.1	38.2
8H	36.8	37.4	37.7	38.3	39.4	37.0	37.5	37.9	38.5	39.6
12H	38.4	38.9	39.4	39.9	41.1	38.6	39.1	39.5	40.0	41.2
12H 4H	33.1	33.8	34.0	34.7	35.9	33.2	33.9	34.1	34.8	36.0
6H	35.7	36.3	36.6	37.2	38.4	35.9	36.4	36.8	37.3	38.5
8H	37.2	37.7	38.1	38.7	39.8	37.4	37.9	38.3	38.8	40.0
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					+ 0.3 / - 0.4				

CIE Pub.117, 361.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.5)
 Area: 0.001 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

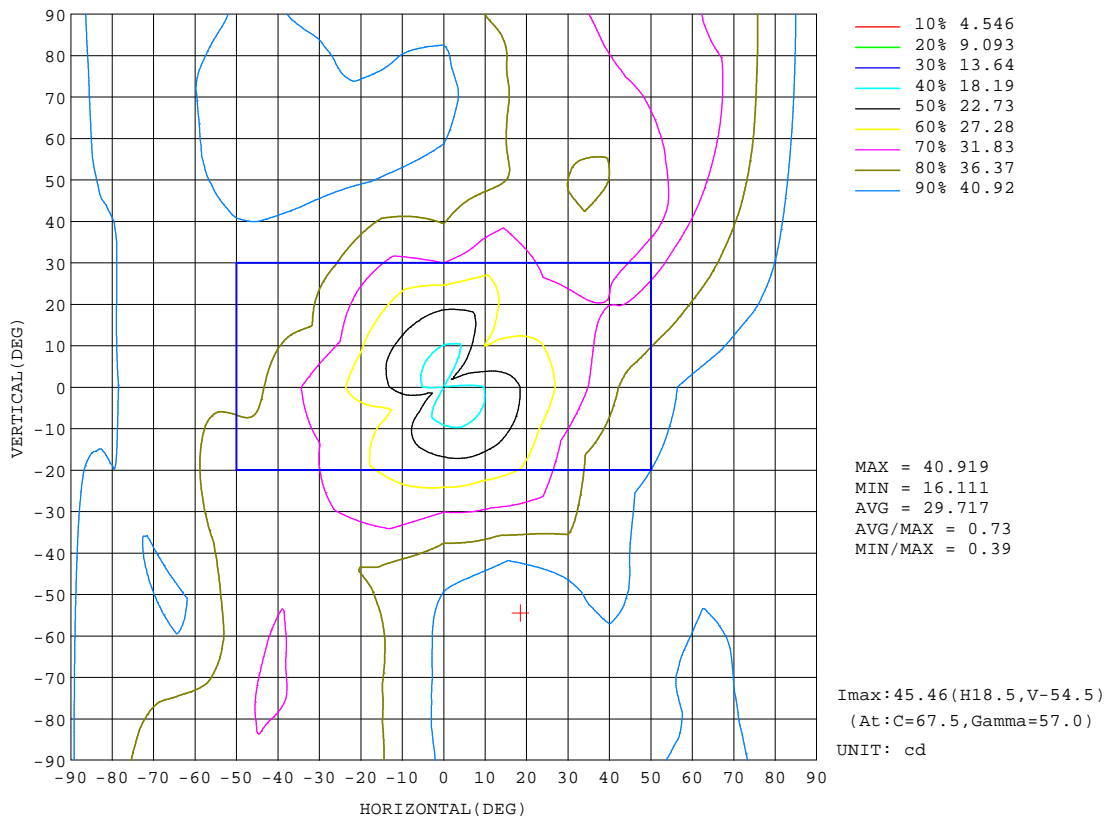
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	37	24	16	35	23	16	33	22	15	8
0.80	45	31	22	43	30	22	40	28	20	12
1.00	53	38	28	50	36	28	45	36	26	15
1.25	60	45	35	56	43	34	51	39	31	19
1.50	65	51	40	61	48	39	55	44	36	22
2.00	73	59	49	69	56	47	61	51	43	27
2.50	78	66	56	73	62	53	64	55	48	31
3.00	82	71	61	77	67	58	68	59	52	34
4.00	88	78	69	82	73	66	72	65	59	38
5.00	91	82	75	85	78	71	75	68	63	42
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:DAMIN
 Test Date:2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



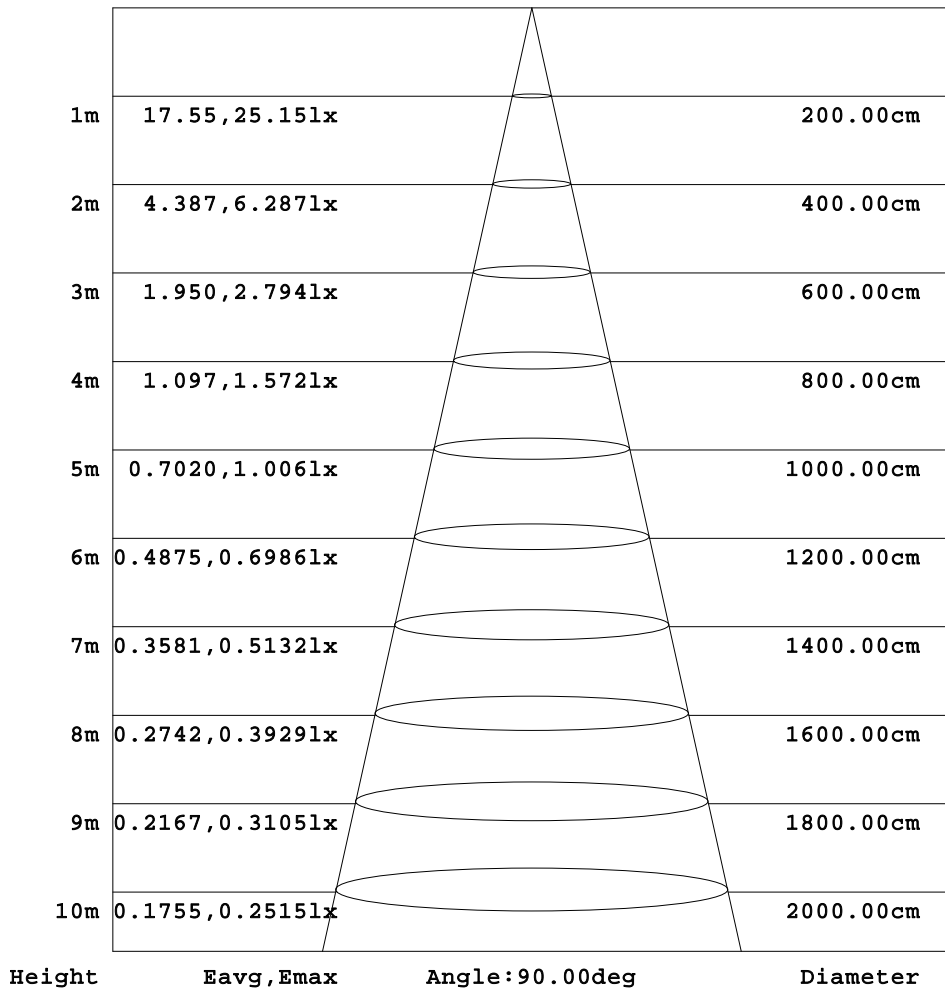
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:55.13 lm



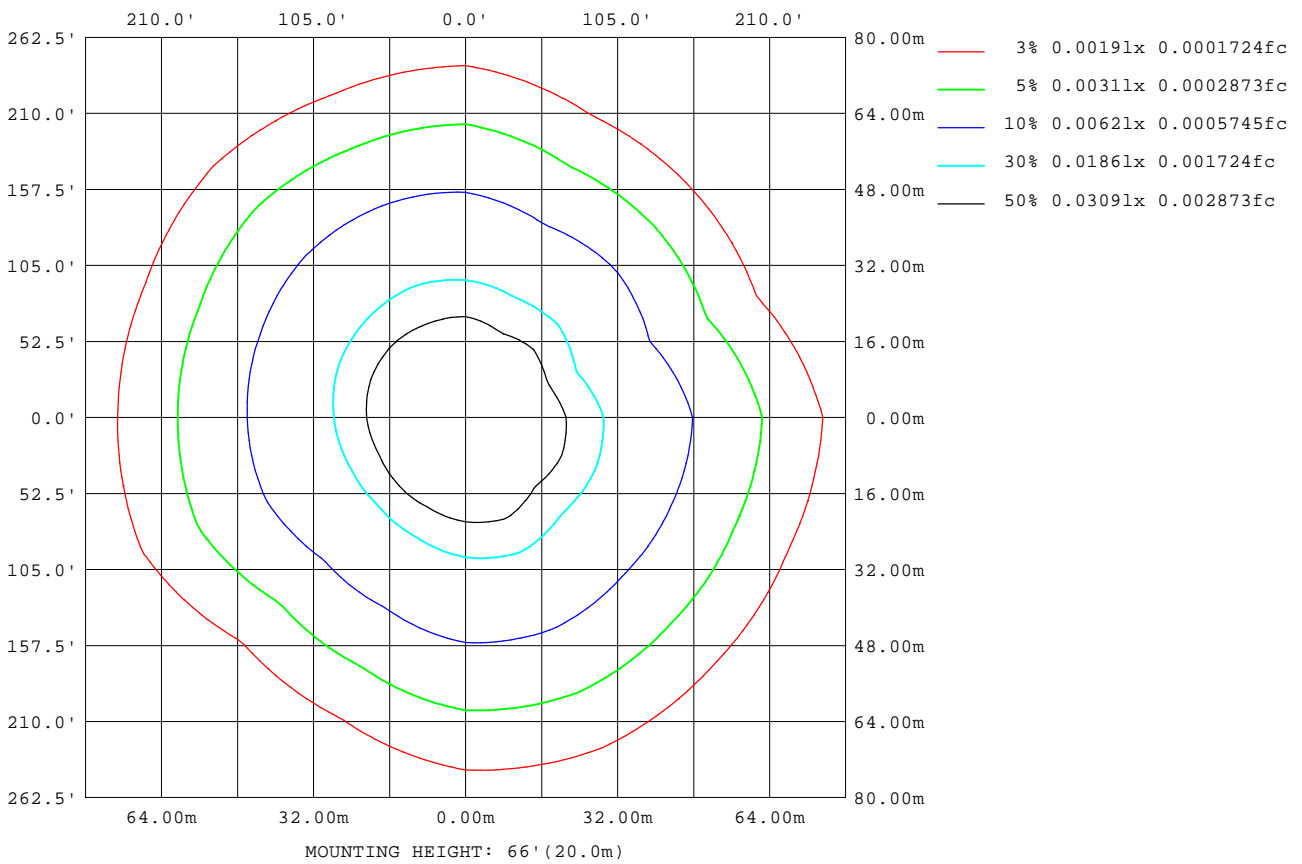
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

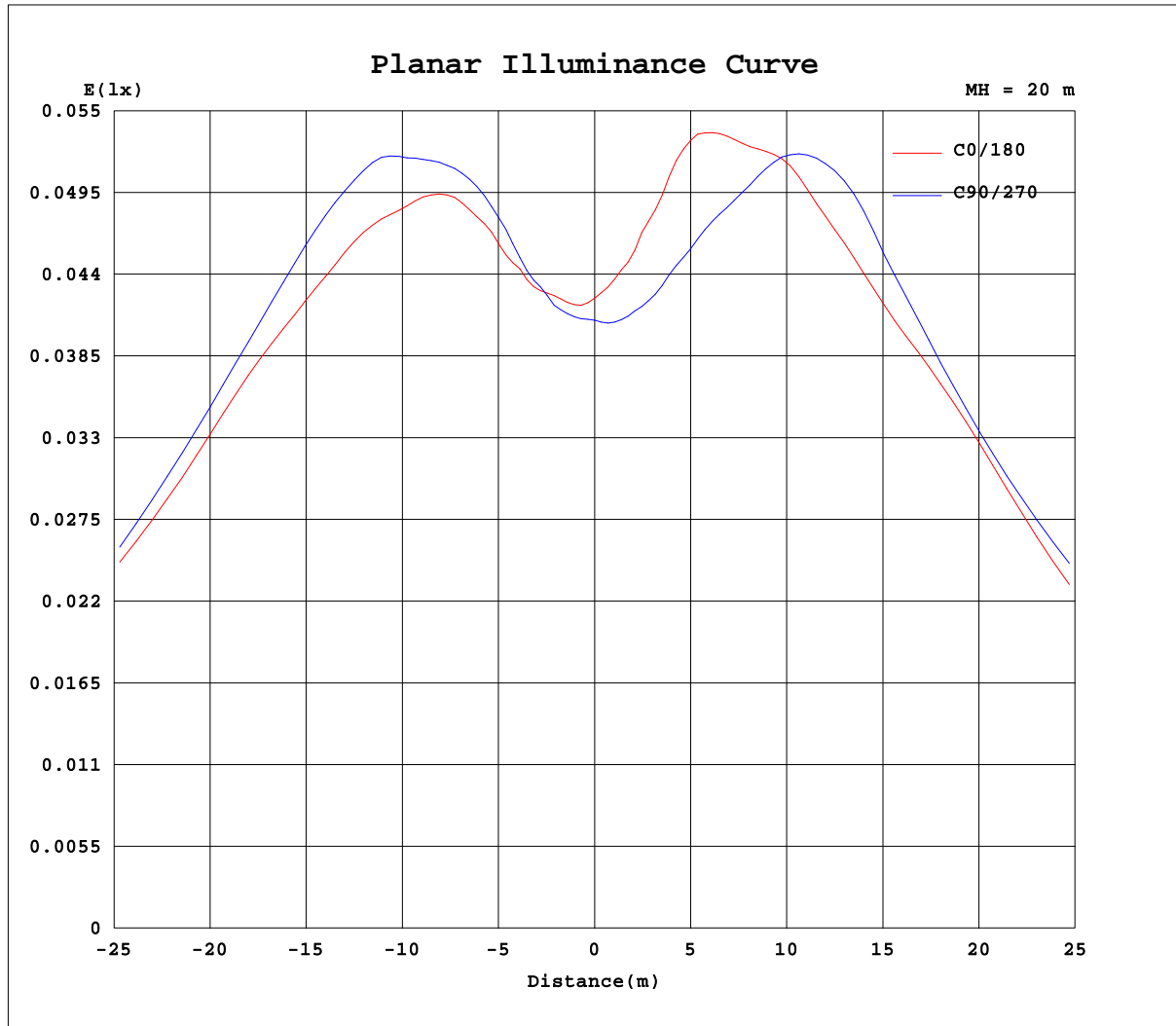
AvgL	cd/m2
L_0~180(65)av	102173
L_0~180(75)av	173239
L_0~180(85)av	519489
L_90~270(65)av	109395
L_90~270(75)av	178761
L_90~270(85)av	518469
L_45(65)av	85715
L_45(75)av	137903
L_45(85)av	405320

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-06-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.722V I:0.3775A P:3.2202W PF:0.7278 Freq:60.00Hz Lamp Flux:361.184x1 lm		
NAME: 487199-GY6.35-4W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1			
5	18.2	18.1	18.0	18.3	18.6	19.0	17.9	18.8	19.3	19.2	19.1	18.7	18.4	18.2	18.7	17.8			
10	19.5	19.4	19.4	19.7	20.5	21.4	18.5	20.4	22.0	21.4	21.2	20.7	20.0	19.7	20.3	18.4			
15	22.1	21.9	22.1	22.5	23.8	24.9	19.2	22.4	25.2	24.5	24.2	23.6	22.7	22.6	22.2	19.4			
20	25.2	25.4	25.4	26.5	27.2	27.8	20.1	23.4	27.2	28.0	27.7	26.7	26.0	25.7	23.1	20.1			
25	28.0	29.4	28.4	30.3	30.7	30.2	21.7	24.2	29.8	32.5	31.0	29.7	30.6	28.3	23.6	21.6			
30	31.0	33.6	31.5	34.0	35.0	32.7	22.6	25.0	32.0	36.3	34.1	32.6	35.2	31.0	24.4	23.2			
35	34.0	37.7	34.5	37.5	38.5	34.8	24.1	26.2	34.1	39.3	37.2	35.6	38.8	33.0	25.5	24.3			
40	37.3	40.7	37.0	41.5	41.4	37.8	26.0	27.4	36.8	40.5	40.3	38.2	40.3	35.2	27.0	25.2			
45	40.0	42.3	39.3	45.4	43.8	40.3	28.1	27.6	39.4	41.7	42.4	41.0	41.8	37.3	28.6	25.3			
50	41.8	43.8	41.4	48.2	45.3	40.7	27.5	27.2	39.6	42.7	43.6	43.9	43.2	39.6	29.1	24.7			
55	43.2	44.8	42.9	49.6	46.0	39.5	26.1	27.3	39.3	43.3	44.7	46.1	44.4	39.8	29.5	24.7			
60	44.5	45.0	43.7	48.5	46.3	38.4	25.7	28.1	39.7	43.6	45.6	47.2	45.4	39.0	29.8	24.7			
65	45.4	44.7	44.3	48.1	46.4	37.8	25.4	29.9	41.0	43.5	46.4	47.5	46.1	38.5	28.8	24.8			
70	46.2	44.4	44.7	47.8	46.3	37.7	25.2	31.8	42.3	43.5	47.1	46.4	46.6	38.3	26.9	24.7			
75	46.5	44.0	44.8	47.9	46.4	37.5	25.1	33.1	43.2	43.3	46.9	44.7	46.1	38.1	26.0	24.8			
80	46.6	43.5	45.1	48.1	46.4	37.3	25.1	31.9	43.8	43.2	46.6	44.2	45.6	38.0	25.4	24.9			
85	46.6	43.5	45.1	48.1	46.2	37.2	25.5	28.8	43.9	42.9	45.9	43.9	44.1	38.1	24.8	25.4			
90	46.2	43.2	44.9	47.8	46.0	37.2	25.8	27.1	43.8	42.6	45.0	43.3	42.2	37.8	24.2	25.9			
95	45.8	43.0	44.8	47.8	45.7	37.1	26.3	25.7	43.4	42.3	44.2	43.0	39.9	37.4	23.5	26.7			
100	45.1	42.4	44.6	47.9	44.9	36.6	27.0	24.3	42.3	41.7	42.4	42.5	1.68	37.1	22.9	28.1			
105	43.5	41.3	43.7	47.4	43.5	35.4	27.8	22.8	40.7	40.6	40.4	41.7	0.23	36.1	22.1	29.7			
110	41.1	39.7	42.2	45.9	0.32	33.7	29.1	21.3	38.3	39.1	38.2	40.5	0.21	35.0	21.1	29.7			
115	38.1	37.7	40.1	42.6	0.26	31.9	29.5	20.0	35.4	35.0	35.9	39.1	0.20	33.4	19.9	28.2			
120	34.8	29.2	37.6	37.7	0.24	29.7	27.0	18.5	32.3	18.8	33.5	38.3	0.20	30.9	18.8	24.5			
125	31.6	8.05	34.6	33.1	0.23	27.6	23.7	13.3	29.3	1.95	31.1	33.4	0.20	20.4	17.9	4.26			
130	28.9	0.40	31.5	29.1	0.24	25.5	21.1	7.65	26.5	0.37	27.6	14.1	0.20	3.76	17.3	0.19			
135	26.5	0.39	26.9	25.6	0.23	23.2	19.1	2.72	23.4	0.40	15.6	0.45	0.20	0.52	10.6	0.19			
140	23.4	0.37	14.1	22.1	0.22	20.2	17.0	0.22	19.1	0.42	2.93	0.22	0.19	0.21	0.53	0.21			
145	19.3	0.34	1.36	17.4	0.20	7.53	9.94	0.16	15.1	0.44	0.43	0.19	0.18	0.19	0.15	0.24			
150	15.1	0.72	0.28	5.08	0.19	5.52	3.90	0.14	11.6	1.03	0.22	0.18	0.16	0.17	0.14	3.40			
155	11.0	3.77	0.25	0.21	0.18	0.17	0.24	0.12	8.23	2.76	0.20	0.17	0.15	0.15	0.14	11.9			
160	6.53	4.12	0.21	0.18	0.17	0.16	0.12	0.11	3.87	3.88	0.17	0.15	0.15	0.16	0.15	11.4			
165	1.23	1.39	0.18	0.17	0.16	0.15	0.12	0.11	0.17	0.15	0.15	0.15	0.15	0.15	0.24	5.75			
170	0.15	0.15	0.15	0.15	0.15	0.14	0.12	0.11	0.15	0.14	0.14	0.14	0.14	0.14	0.12	0.21			
175	0.14	0.14	0.14	0.14	0.14	0.14	0.11	0.11	0.14	0.14	0.14	0.14	0.14	0.14	0.11	0.11			
180	0.14	0.14	0.14	0.14	0.14	0.14	0.11	0.11	0.15	0.14	0.14	0.14	0.14	0.14	0.10	0.11			

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