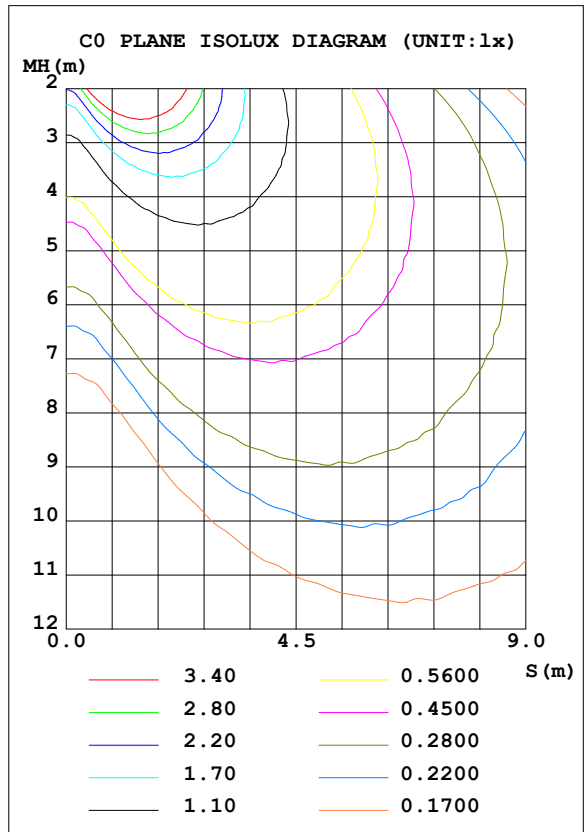
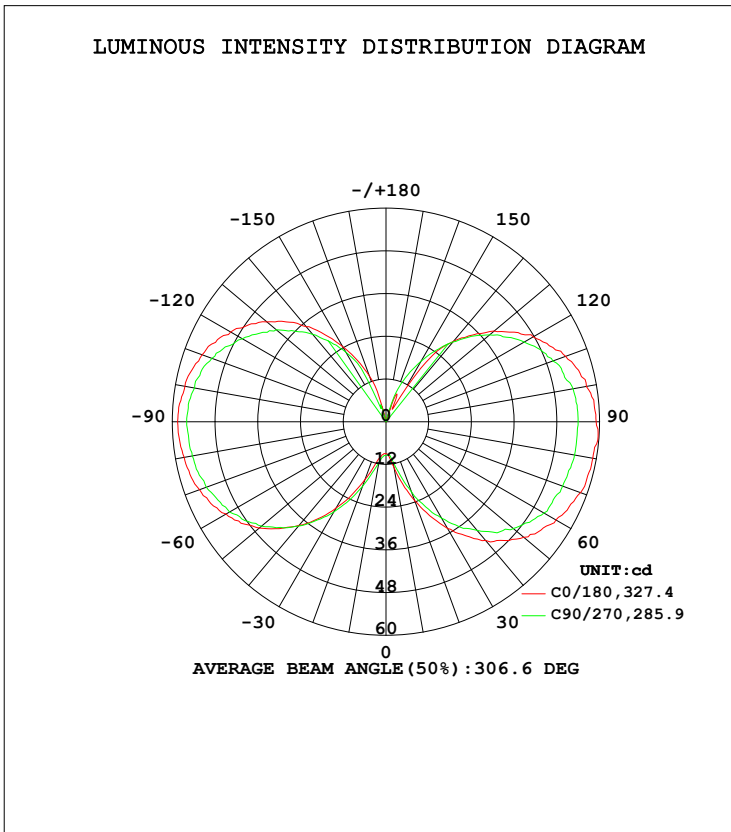


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL SPARAC-G9-5.5W-TGE1-3		Imax (cd)	60.09	S/MH (C0/180)	3.89
NOMINAL POWER (W)	5.5	LOR (%)	100.0	S/MH (C90/270)	3.76
RATED VOLTAGE (V)	220-240	TOTAL FLUX (lm)	547.46	<input checked="" type="checkbox"/> UP, DN (C0-180)	23.0,26.5
NOMINAL FLUX (lm)	547.463	CIE CLASS	DIFFUSE	<input checked="" type="checkbox"/> UP, DN (C180-360)	24.0,26.4
LAMPS INSIDE	1	<input checked="" type="checkbox"/> up (%)	47.0	CIBSE SHR NOM	2.00
TEST VOLTAGE (V)	230	<input checked="" type="checkbox"/> down (%)	53.0	CIBSE SHR MAX	2.00



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

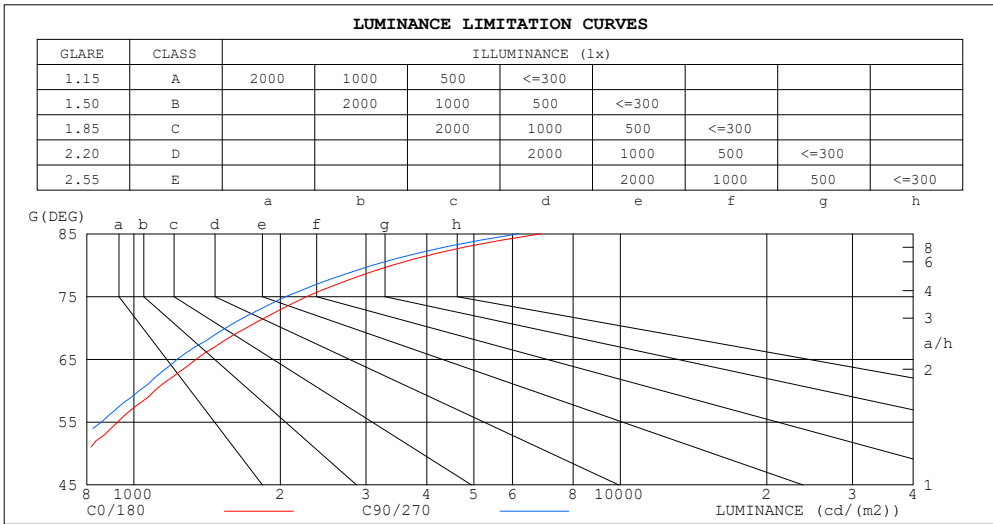
DEG	C0	C45	C90	C135	C180	C225	C270	C315	DEG	zone	total	%lum, lamp	
10	13.03	12.58	11.30	9.581	10.20	10.42	11.70	12.76	0- 10	0.9703	0.9703	0.18,0.18	
20	23.66	22.83	21.04	17.36	17.25	17.94	19.36	22.74	10- 20	4.519	5.490	1,1	
30	34.66	32.80	31.31	27.41	27.97	28.41	29.17	32.99	20- 30	11.89	17.38	3.17,3.17	
40	43.53	41.80	39.78	36.78	38.00	37.77	38.31	41.23	30- 40	22.16	39.54	7.22,7.22	
50	50.50	49.15	46.67	44.21	46.47	45.66	45.64	47.88	40- 50	33.62	73.16	13.4,13.4	
60	55.15	53.80	51.25	49.15	51.86	51.56	50.73	51.48	50- 60	44.36	117.5	21.5,21.5	
70	58.21	56.42	52.82	51.55	55.75	55.23	53.73	53.58	60- 70	52.82	170.3	31.1,31.1	
80	58.97	57.47	53.80	52.75	57.55	57.25	55.22	54.54	70- 80	58.42	228.8	41.8,41.8	
90	59.05	57.92	53.95	52.75	58.52	58.67	55.97	53.95	80- 90	61.17	289.9	53,53	
100	57.18	56.65	53.35	52.68	57.32	57.91	54.63	52.60	90-100	60.93	350.9	64.1,64.1	
110	53.73	52.45	49.92	50.21	54.99	55.06	52.07	49.89	100-110	56.92	407.8	74.5,74.5	
120	47.74	46.03	44.81	45.56	50.42	49.60	46.60	44.65	110-120	49.34	457.1	83.5,83.5	
130	39.65	38.39	38.00	39.87	43.68	42.71	40.22	37.68	120-130	39.09	496.2	90.6,90.6	
140	29.54	29.10	29.31	32.08	34.90	34.09	32.05	28.69	130-140	27.35	523.6	95.6,95.6	
150	7.894	18.44	19.57	22.42	24.43	23.96	22.60	18.57	140-150	15.87	539.4	98.5,98.5	
160	7.725	7.943	9.772	12.24	13.64	13.69	4.065	8.682	150-160	6.937	546.4	99.8,99.8	
170	0	0	0	0	0	0	0	0	160-170	1.092	547.5	100,100	
180	0	0	0	0	0	0	0	0	170-180	0	547.5	100,100	
DEG	LUMINOUS INTENSITY:cd										UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



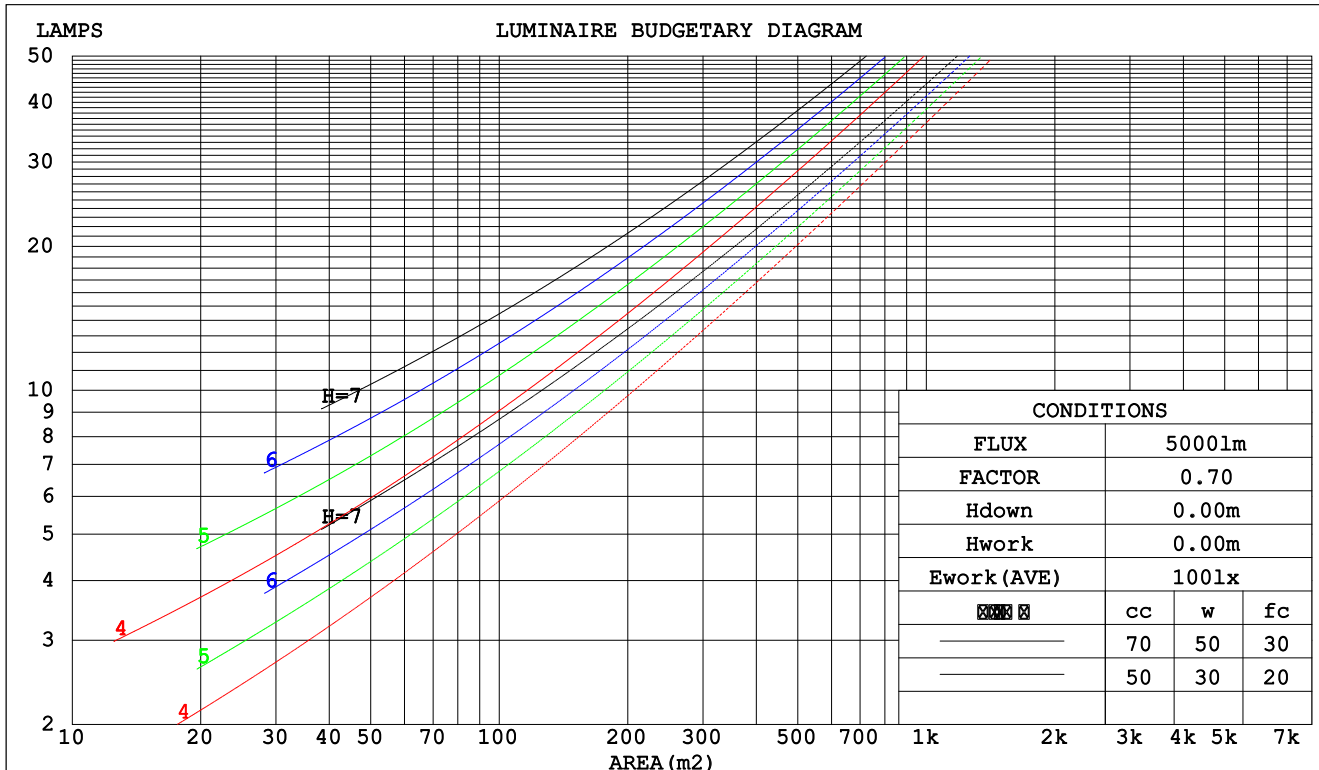
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6852	6173
80	3396	3098
75	2267	2053
70	1702	1544
65	1342	1227
60	1103	1025
55	926	858
50	786	726
45	667	624

C Range: 0 - 360DEG C Interval: 22.5DEG Test Speed: HIGH Temperature:24.9DEG Operators:Link Chai Test Date:2022-07-19	<input checked="" type="checkbox"/> Range: 0 - 180DEG <input checked="" type="checkbox"/> Interval: 1.0DEG Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366 Humidity:60% Test Distance:26.000m [K=1.4046] Remarks:
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

☒cc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
☒w																0
☒fc																0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.08	1.08	1.08	.00	.00	.00	.85	.85	.85	.71	.71	.71	.59	.59	.59	.53
1.0	.86	.80	.74	.79	.74	.69	.66	.62	.58	.54	.51	.48	.43	.41	.38	.33
2.0	.72	.63	.56	.66	.58	.52	.54	.49	.43	.44	.39	.35	.34	.31	.28	.23
3.0	.61	.52	.44	.56	.47	.41	.46	.39	.34	.37	.32	.27	.29	.25	.21	.17
4.0	.53	.43	.36	.48	.40	.33	.40	.33	.27	.32	.26	.22	.25	.20	.17	.13
5.0	.46	.37	.29	.42	.34	.27	.35	.28	.22	.28	.22	.18	.21	.17	.14	.10
6.0	.41	.31	.25	.38	.29	.23	.31	.24	.19	.25	.19	.15	.19	.15	.11	.08
7.0	.37	.27	.21	.34	.25	.19	.28	.21	.16	.22	.17	.13	.17	.13	.09	.07
8.0	.33	.24	.18	.30	.22	.17	.25	.18	.14	.20	.15	.11	.15	.11	.08	.06
9.0	.30	.21	.16	.27	.20	.14	.23	.16	.12	.18	.13	.09	.14	.10	.07	.05
10.0	.27	.19	.14	.25	.18	.13	.21	.15	.10	.17	.12	.08	.13	.09	.06	.04



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

☒ Range: 0 - 180DEG
 ☒ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

WEC AND CCEC

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

☒cc	80%			70%			50%			30%			10%			0
☒w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
☒fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.438	.249	.079	.417	.238	.076	.376	.216	.069	.339	.196	.063	.305	.177	.057	
2.0	.362	.198	.061	.342	.188	.058	.305	.170	.053	.271	.152	.048	.239	.135	.043	
3.0	.313	.167	.050	.295	.158	.048	.261	.142	.043	.230	.126	.039	.201	.111	.034	
4.0	.277	.144	.042	.261	.136	.040	.230	.122	.036	.201	.108	.033	.174	.095	.029	
5.0	.249	.127	.037	.234	.120	.035	.205	.107	.031	.179	.094	.028	.154	.082	.025	
6.0	.226	.113	.032	.212	.107	.031	.186	.095	.028	.161	.084	.025	.138	.073	.022	
7.0	.207	.102	.029	.194	.097	.028	.170	.086	.025	.147	.075	.022	.126	.065	.019	
8.0	.191	.093	.026	.179	.088	.025	.157	.078	.022	.135	.069	.020	.115	.059	.017	
9.0	.177	.086	.024	.166	.081	.023	.145	.072	.020	.125	.063	.018	.107	.054	.016	
10.0	.165	.079	.022	.155	.075	.021	.135	.066	.019	.117	.058	.016	.099	.050	.014	

☒cc	80%			70%			50%			30%			10%			0
☒w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
☒fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.549	.549	.549	.469	.469	.469	.320	.320	.320	.184	.184	.184	.059	.059	.059	
1.0	.551	.516	.486	.471	.443	.418	.322	.305	.289	.185	.176	.168	.059	.057	.054	
2.0	.545	.495	.453	.467	.426	.392	.320	.295	.273	.185	.172	.160	.059	.056	.052	
3.0	.539	.480	.434	.462	.414	.376	.317	.288	.264	.183	.168	.156	.059	.055	.051	
4.0	.531	.469	.421	.456	.405	.366	.313	.282	.258	.181	.165	.153	.058	.054	.050	
5.0	.524	.460	.413	.450	.398	.359	.310	.278	.254	.179	.163	.151	.058	.053	.050	
6.0	.516	.453	.407	.444	.392	.354	.306	.274	.251	.178	.161	.149	.057	.053	.049	
7.0	.509	.447	.403	.438	.387	.351	.303	.271	.249	.176	.160	.148	.057	.052	.049	
8.0	.503	.441	.399	.433	.383	.348	.299	.269	.247	.174	.159	.147	.056	.052	.049	
9.0	.496	.437	.397	.428	.379	.346	.296	.267	.246	.173	.157	.147	.056	.052	.049	
10.0	.490	.433	.395	.423	.376	.345	.293	.265	.245	.171	.156	.146	.055	.051	.048	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

☒ Range: 0 - 180DEG
 ☒ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm										
NAME:					TYPE:LED			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			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	10.2	11.4	11.1	12.3	13.4	9.8	11.0	10.7	11.9	13.0
3H	13.7	14.7	14.5	15.6	16.8	13.2	14.3	14.1	15.1	16.3
4H	15.6	16.6	16.4	17.5	18.6	15.1	16.1	15.9	17.0	18.1
6H	17.7	18.6	18.5	19.5	20.7	17.1	18.1	18.0	19.0	20.2
8H	18.8	19.7	19.7	20.6	21.8	18.3	19.2	19.2	20.1	21.3
12H	20.1	21.0	21.0	21.9	23.2	19.6	20.4	20.5	21.4	22.6
4H 2H	11.2	12.2	12.1	13.1	14.3	11.0	12.0	11.8	12.9	14.0
3H	14.8	15.6	15.7	16.6	17.8	14.4	15.3	15.3	16.2	17.4
4H	16.8	17.6	17.7	18.6	19.8	16.4	17.2	17.3	18.2	19.4
6H	19.0	19.8	20.0	20.7	22.0	18.6	19.3	19.5	20.3	21.5
8H	20.3	21.0	21.2	21.9	23.2	19.8	20.5	20.8	21.5	22.7
12H	21.7	22.3	22.7	23.3	24.6	21.2	21.8	22.2	22.8	24.1
8H 4H	17.5	18.2	18.5	19.1	20.4	17.2	17.9	18.2	18.9	20.1
6H	20.0	20.6	21.0	21.6	22.9	19.7	20.2	20.6	21.2	22.5
8H	21.4	22.0	22.4	23.0	24.3	21.1	21.6	22.0	22.6	23.9
12H	23.1	23.5	24.1	24.6	25.9	22.7	23.1	23.6	24.1	25.4
12H 4H	17.7	18.3	18.7	19.3	20.6	17.4	18.1	18.4	19.0	20.3
6H	20.3	20.8	21.3	21.8	23.1	20.0	20.5	21.0	21.5	22.8
8H	21.9	22.3	22.9	23.3	24.6	21.5	22.0	22.5	23.0	24.3
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, 547.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

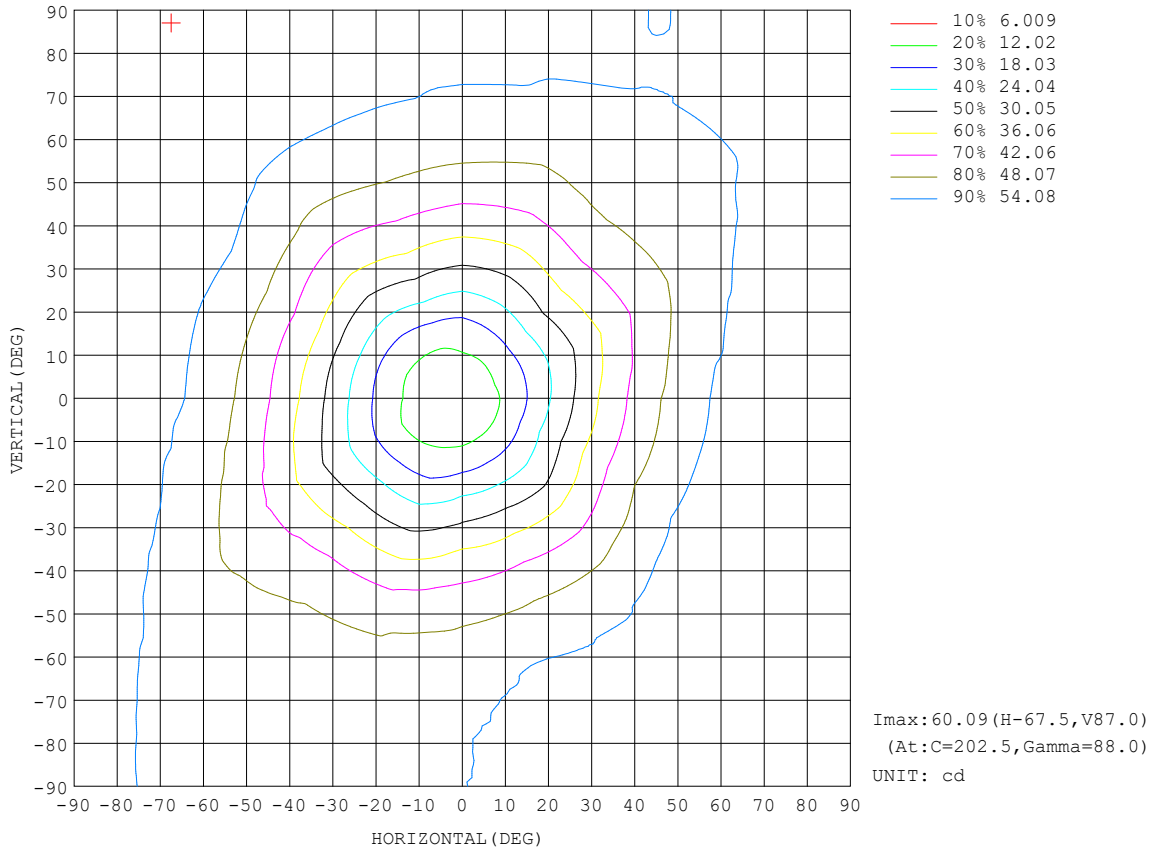
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	34	21	14	32	20	13	29	19	12	5
0.80	43	28	20	40	27	19	36	24	17	8
1.00	50	35	26	47	33	24	41	32	22	11
1.25	57	42	32	53	40	30	46	35	27	14
1.50	62	48	37	58	45	35	50	39	31	16
2.00	70	57	46	65	53	44	56	46	38	21
2.50	75	63	53	70	59	50	60	51	43	24
3.00	80	68	59	74	63	55	63	54	48	27
4.00	85	75	67	79	70	62	67	60	54	31
5.00	89	80	72	82	74	67	70	63	58	33
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:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

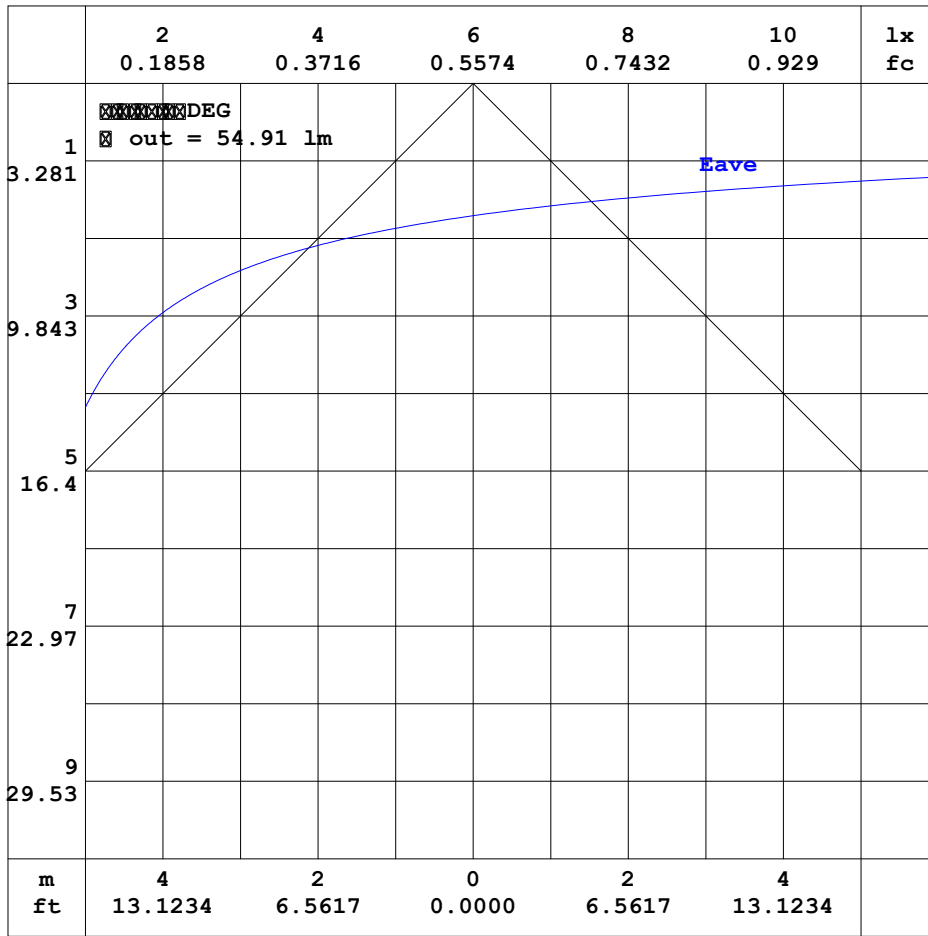


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

AAI CURVES

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME :	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



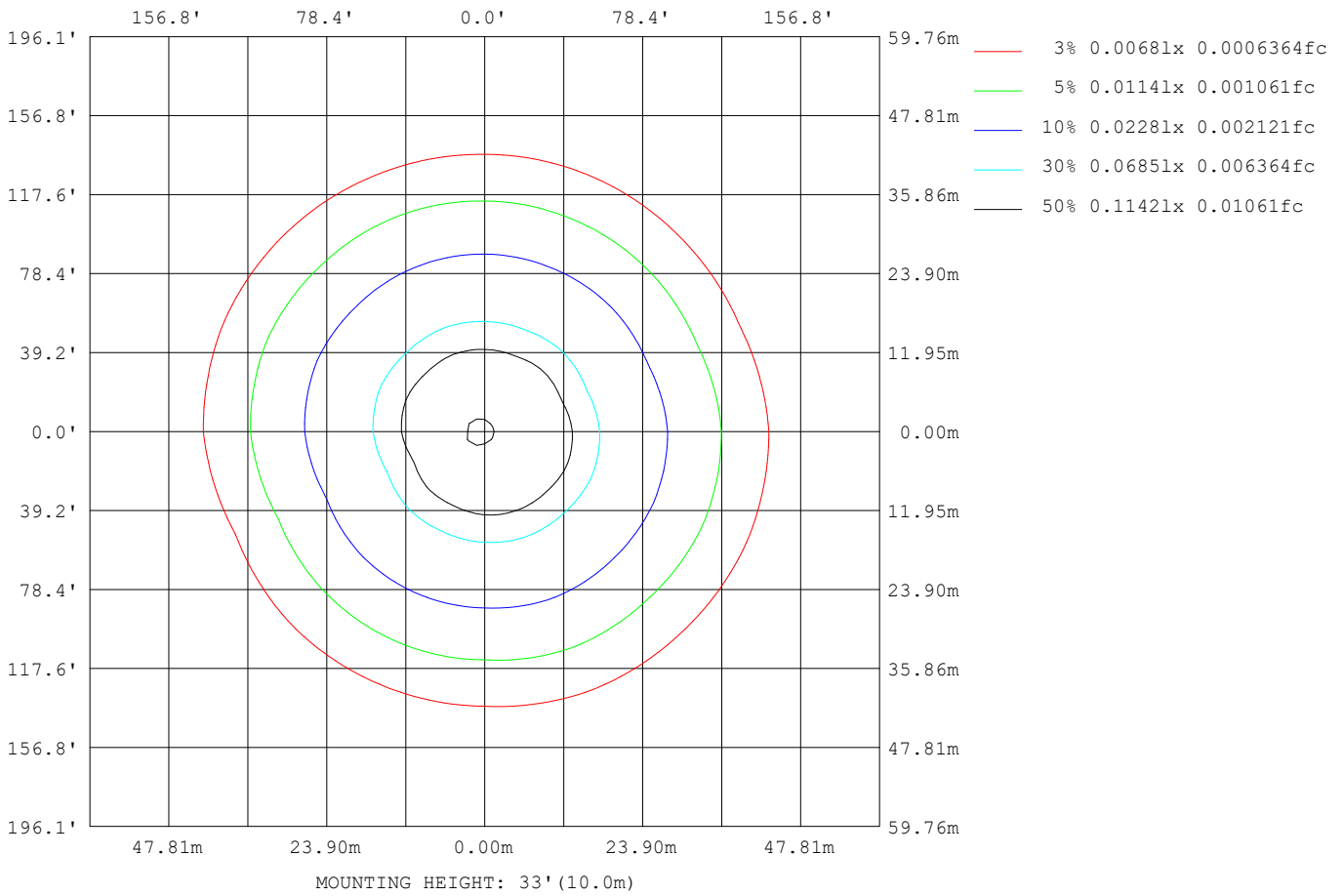
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

☑ Range: 0 - 180DEG
 ☑ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME :	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

LED Avg.L Report

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

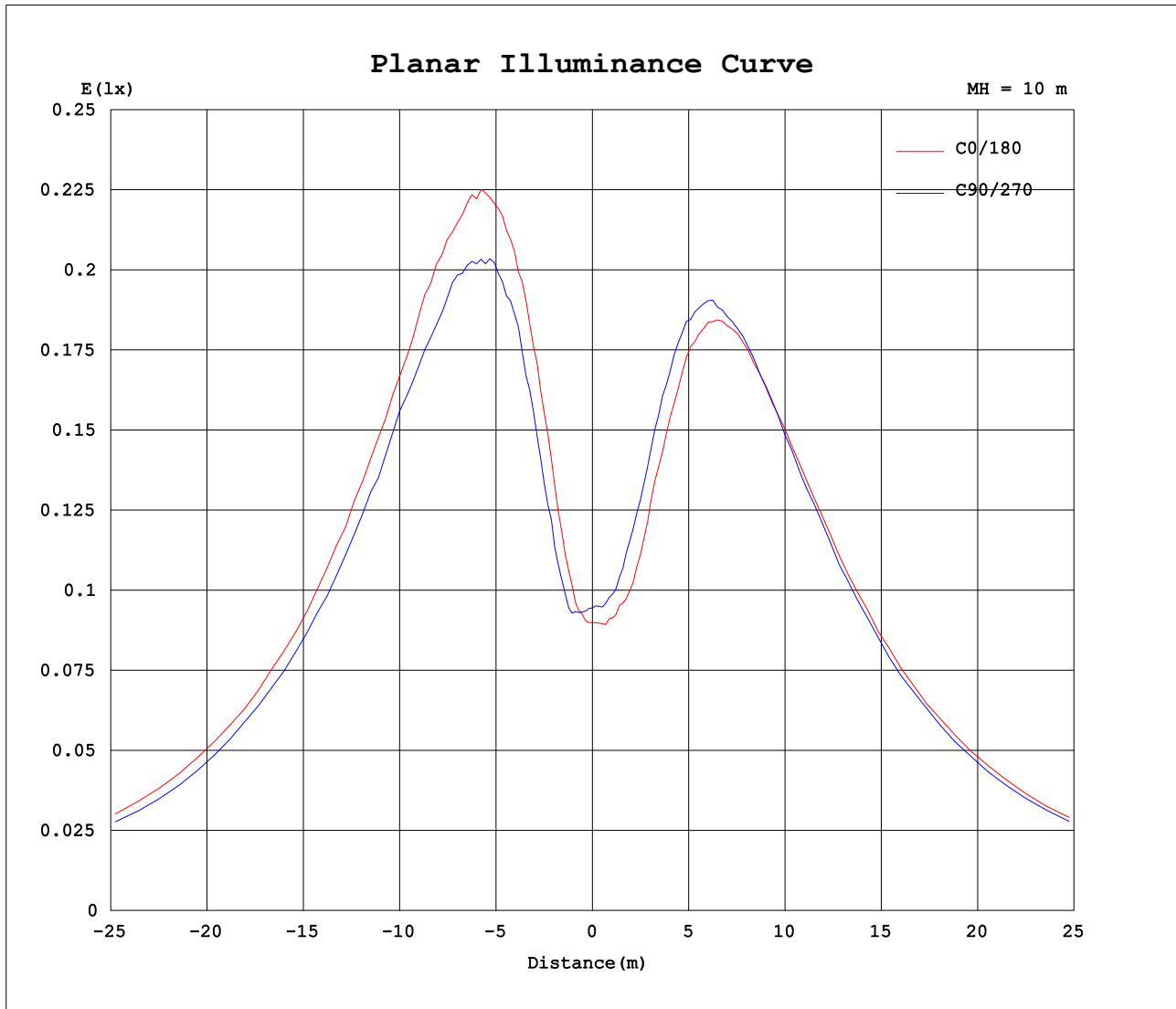
AvgL	cd/m2
L_0~180 (65) av	1314
L_0~180 (75) av	2235
L_0~180 (85) av	6766
L_90~270 (65) av	1230
L_90~270 (75) av	2082
L_90~270 (85) av	6276
L_45 (65) av	1255
L_45 (75) av	2121
L_45 (85) av	6405

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:60%
 Test Distance:26.000m [K=1.4046]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Link Chai
Test Date: 2022-07-19

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 60%
Test Distance: 26.000m [K=1.4046]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.96V I:0.0258A P:5.6674W PF:0.9538 Freq:50.01Hz Lamp Flux:547.463x1 lm		
NAME:	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) ☒ (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	8.99	8.99	9.22	9.29	9.44	9.37	9.29	9.15	8.99	8.99	9.22	9.29	9.44	9.37	9.29	9.15			
5	9.74	9.59	9.51	9.44	9.44	9.22	9.07	8.84	9.22	9.22	9.29	9.67	9.89	9.90	10.3	10.4			
10	13.0	13.0	12.6	12.1	11.3	10.5	9.58	8.92	10.2	10.1	10.4	10.7	11.7	12.1	12.8	13.4			
15	18.0	18.6	17.7	16.9	15.6	13.7	12.8	11.9	12.9	12.5	13.4	14.0	14.8	16.3	17.5	17.8			
20	23.7	24.6	22.8	22.3	21.0	18.1	17.4	16.0	17.3	17.4	17.9	19.6	19.4	20.8	22.7	22.4			
25	29.1	30.2	27.4	27.8	26.4	22.7	22.3	20.8	22.6	23.3	23.3	25.3	24.2	25.5	28.1	27.4			
30	34.7	35.4	32.8	32.6	31.3	27.5	27.4	25.6	28.0	29.1	28.4	30.4	29.2	30.1	33.0	31.5			
35	39.1	40.6	37.3	37.4	36.1	32.0	32.3	29.8	33.2	34.4	33.0	35.4	33.7	34.4	37.7	36.0			
40	43.5	44.6	41.8	41.9	39.8	36.6	36.8	34.0	38.0	39.4	37.8	39.7	38.3	38.7	41.2	39.8			
45	47.2	48.6	45.9	45.5	44.1	40.2	41.3	38.0	42.5	43.6	41.8	43.4	42.0	41.9	44.8	43.5			
50	50.5	52.4	49.2	48.4	46.7	44.1	44.2	41.9	46.5	47.9	45.7	46.6	45.6	45.1	47.9	46.3			
55	53.1	54.5	51.7	51.0	49.2	47.1	47.0	44.4	49.8	50.8	49.2	49.5	48.4	47.5	49.7	48.8			
60	55.1	56.6	53.8	53.6	51.2	49.2	49.1	46.6	51.9	53.8	51.6	51.6	50.7	50.1	51.5	50.6			
65	56.7	57.5	55.2	55.3	51.9	50.8	50.7	48.4	54.3	55.4	53.1	53.5	52.1	51.8	53.1	51.9			
70	58.2	58.4	56.4	55.8	52.8	52.2	51.6	49.2	55.8	57.4	55.2	54.5	53.7	53.1	53.6	53.0			
75	58.7	59.0	57.0	56.3	53.1	52.8	52.1	50.6	57.0	58.4	56.4	55.7	54.6	54.0	54.0	53.9			
80	59.0	59.0	57.5	56.3	53.8	53.2	52.7	51.5	57.6	59.2	57.3	55.8	55.2	55.0	54.5	54.5			
85	59.7	59.0	57.8	56.3	53.8	53.9	52.8	51.5	58.2	59.6	58.4	56.7	55.6	55.5	54.3	55.1			
90	59.0	59.1	57.9	56.3	53.9	53.9	52.8	51.7	58.5	60.0	58.7	57.2	56.0	55.6	53.9	54.8			
95	58.7	58.8	57.3	55.8	53.9	53.9	52.8	52.1	58.2	59.9	58.2	57.1	55.7	55.1	53.5	53.9			
100	57.2	58.1	56.6	55.2	53.4	53.3	52.7	51.6	57.3	59.1	57.9	56.3	54.6	54.0	52.6	52.6			
105	56.0	56.4	54.8	53.5	51.7	51.9	51.9	51.0	56.4	57.7	56.3	55.5	53.9	52.4	51.3	50.7			
110	53.7	54.5	52.5	52.0	49.9	49.9	50.2	49.7	55.0	56.4	55.1	53.5	52.1	50.2	49.9	48.8			
115	50.6	51.7	49.5	49.8	47.9	48.0	48.5	47.7	52.8	54.8	52.7	51.5	49.8	47.9	47.7	45.8			
120	47.7	48.4	46.0	46.8	44.8	45.2	45.6	45.2	50.4	51.8	49.6	48.7	46.6	44.7	44.6	42.8			
125	43.9	44.4	42.4	43.0	41.4	41.8	43.1	42.2	47.3	48.9	46.9	45.4	43.4	41.6	41.9	39.5			
130	39.7	40.3	38.4	39.6	38.0	38.2	39.9	38.8	43.7	45.2	42.7	41.5	40.2	37.8	37.7	35.9			
135	34.5	28.9	33.7	34.9	33.9	34.1	36.1	35.5	39.7	41.6	38.9	38.1	35.9	33.7	33.7	31.7			
140	29.5	11.8	29.1	30.5	29.3	29.5	32.1	31.0	34.9	37.0	34.1	33.4	32.0	28.9	28.7	27.5			
145	22.8	9.59	23.9	25.4	24.5	25.1	27.3	26.7	29.8	31.7	29.2	29.1	27.5	24.4	23.7	22.3			
150	7.89	9.59	18.4	20.1	19.6	20.4	22.4	22.1	24.4	25.9	24.0	23.4	22.6	19.5	18.6	17.3			
155	4.86	9.29	7.99	14.6	14.6	15.4	17.3	17.2	19.0	20.1	18.9	18.0	16.5	14.8	13.5	12.5			
160	7.72	4.85	7.94	6.29	9.77	10.6	12.2	12.4	13.6	14.2	13.7	11.5	4.06	6.18	8.68	8.02			
165	0.01	0.00	0.03	0.08	1.46	2.87	2.86	5.07	5.91	6.21	6.04	3.57	1.77	0.15	0.00	0.00			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

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