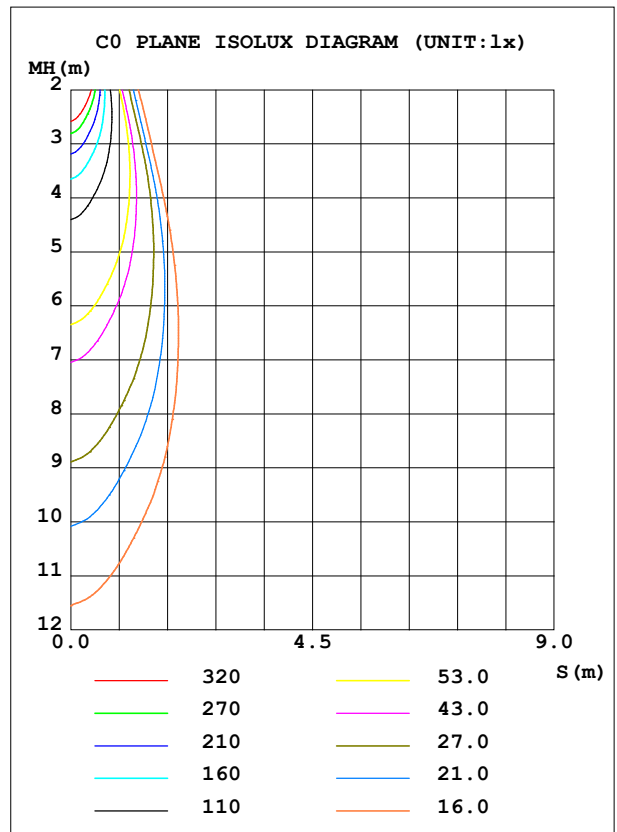
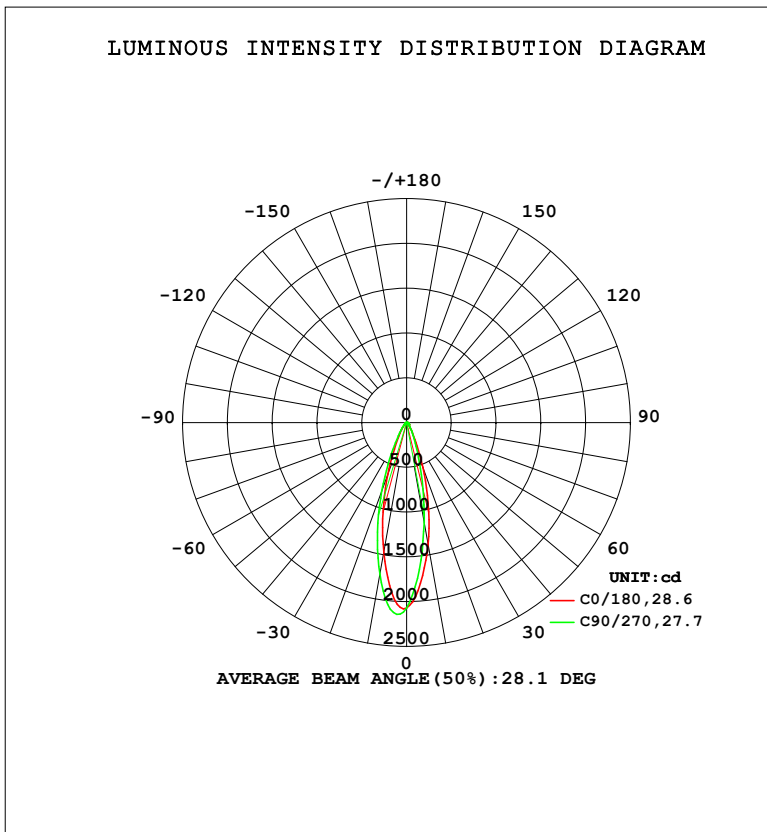


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	2143	S/MH (C0/180)	0.49
NOMINAL POWER (W)	9	LOR (%)	100.0	S/MH (C90/270)	0.57
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	717.76	η UP, DN (C0-180)	0.0, 42.5
NOMINAL FLUX (lm)	717.759	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 57.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.50



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

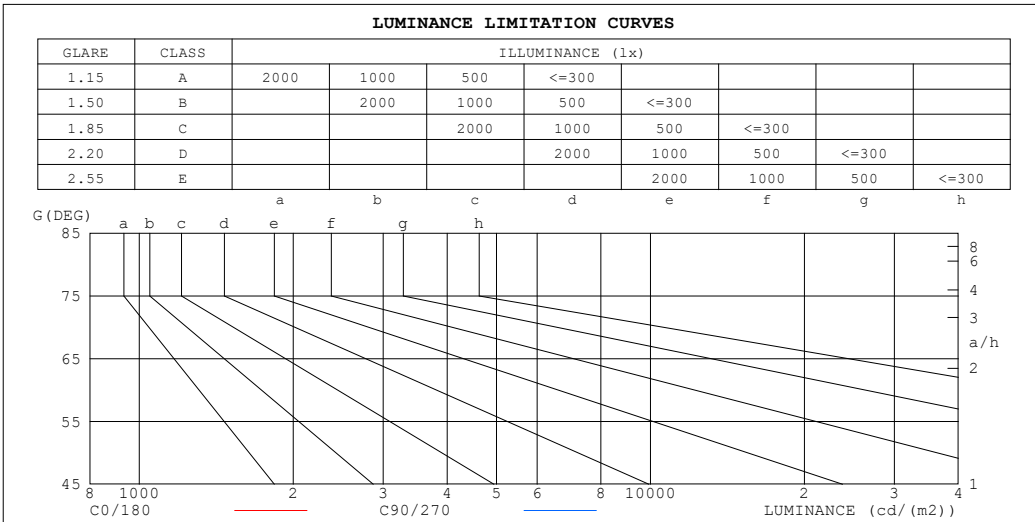
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1383	1224	1136	1280	1479	1670	1724	1583	0- 10	163.6	163.6	22.8,22.8
20	533.4	400.0	366.0	471.7	620.6	769.4	815.3	642.9	10- 20	266.8	430.4	60,60
30	129.6	116.2	122.5	151.0	181.8	219.8	223.9	158.0	20- 30	144.4	574.8	80.1,80.1
40	45.78	44.33	48.28	58.54	69.15	75.04	72.72	55.60	30- 40	62.22	637.0	88.8,88.8
50	26.65	26.07	27.20	29.62	31.57	32.98	32.59	29.51	40- 50	31.31	668.4	93.1,93.1
60	18.88	18.75	19.11	20.03	20.31	21.72	21.92	20.41	50- 60	21.66	690.0	96.1,96.1
70	12.72	8.841	8.660	14.09	14.60	15.67	15.84	14.56	60- 70	16.82	706.8	98.5,98.5
80	4.404	1.295	1.227	4.384	6.801	4.852	5.126	6.177	70- 80	9.243	716.1	99.8,99.8
90	0.0981	0.0858	0.0861	0.1061	0.0700	0.0749	0.0774	0.0755	80- 90	1.672	717.8	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	121	13
80	235	63
75	308	161
70	345	226
65	354	330
60	351	341
55	362	349
50	385	377
45	438	436

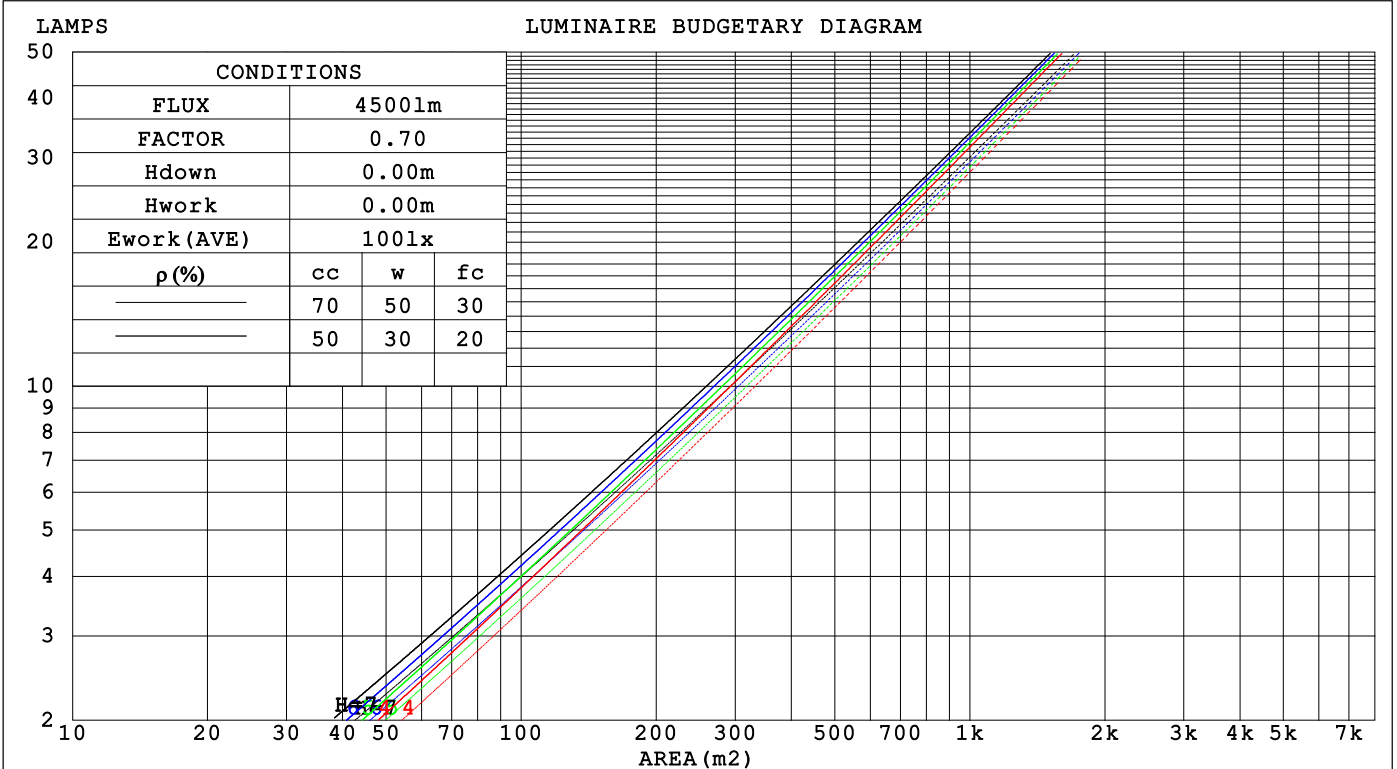
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _w	0															
p _{fc}	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	1.02	1.02	1.02	1.00
1.0	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.87	.82	.78	.85	.81	.77	.83	.79	.77	.82	.78	.76	.75
6.0	.83	.78	.74	.83	.77	.74	.81	.77	.73	.80	.76	.73	.78	.75	.72	.71
7.0	.80	.74	.70	.79	.74	.70	.78	.73	.70	.77	.73	.70	.75	.72	.69	.68
8.0	.76	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
9.0	.73	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.62
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.68	.64	.61	.60



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.174	.099	.031	.167	.096	.030	.155	.089	.028	.143	.083	.027	.133	.077	.025	
2.0	.164	.090	.028	.158	.087	.027	.148	.082	.025	.138	.077	.024	.129	.073	.023	
3.0	.153	.082	.024	.148	.080	.024	.140	.076	.023	.131	.072	.022	.124	.068	.021	
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.118	.064	.020	
5.0	.135	.069	.020	.131	.067	.020	.125	.065	.019	.119	.063	.019	.113	.060	.018	
6.0	.127	.064	.018	.124	.063	.018	.119	.061	.018	.113	.059	.017	.108	.057	.017	
7.0	.121	.060	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016	.104	.054	.016	
8.0	.114	.056	.016	.112	.055	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015	
9.0	.109	.053	.015	.107	.052	.015	.103	.051	.014	.099	.050	.014	.096	.049	.014	
10.0	.104	.050	.014	.102	.049	.014	.099	.048	.014	.095	.047	.013	.092	.046	.013	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.113	.077	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.069	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.059	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	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	5.3	6.2	5.5	6.3	6.5	5.2	6.1	5.4	6.2	6.4
3H	6.8	7.6	7.0	7.8	8.0	6.2	6.9	6.4	7.1	7.3
4H	7.3	8.0	7.6	8.3	8.5	6.3	7.1	6.6	7.3	7.5
6H	7.6	8.3	7.9	8.5	8.8	6.3	7.0	6.6	7.3	7.5
8H	7.6	8.3	7.9	8.5	8.8	6.3	7.0	6.6	7.2	7.5
12H	7.6	8.3	7.9	8.5	8.8	6.2	6.9	6.5	7.2	7.4
4H 2H	5.8	6.6	6.1	6.8	7.0	5.7	6.5	6.0	6.7	6.9
3H	7.4	8.1	7.7	8.3	8.6	6.7	7.4	7.1	7.7	7.9
4H	8.0	8.6	8.3	8.9	9.2	6.9	7.5	7.3	7.8	8.2
6H	8.3	8.8	8.6	9.1	9.5	7.0	7.5	7.3	7.8	8.2
8H	8.3	8.8	8.7	9.2	9.5	6.9	7.4	7.3	7.8	8.1
12H	8.3	8.8	8.7	9.1	9.5	6.9	7.3	7.3	7.7	8.1
8H 4H	7.9	8.4	8.3	8.8	9.2	7.0	7.5	7.4	7.9	8.2
6H	8.3	8.7	8.7	9.1	9.5	7.0	7.4	7.5	7.8	8.3
8H	8.3	8.7	8.8	9.1	9.6	7.0	7.3	7.4	7.8	8.2
12H	8.3	8.6	8.8	9.1	9.6	6.9	7.2	7.4	7.7	8.1
12H 4H	7.9	8.4	8.3	8.7	9.1	7.0	7.4	7.4	7.8	8.2
6H	8.2	8.6	8.7	9.0	9.5	7.0	7.4	7.4	7.8	8.2
8H	8.3	8.6	8.8	9.0	9.5	6.9	7.3	7.4	7.7	8.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.3 / - 0.4	+ 0.5 / - 0.7
1.5H	+ 0.4 / - 0.3	+ 0.8 / - 0.5
2.0H	+ 0.4 / - 0.4	+ 0.3 / - 0.9

CIE Pub.117, 717.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.2)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

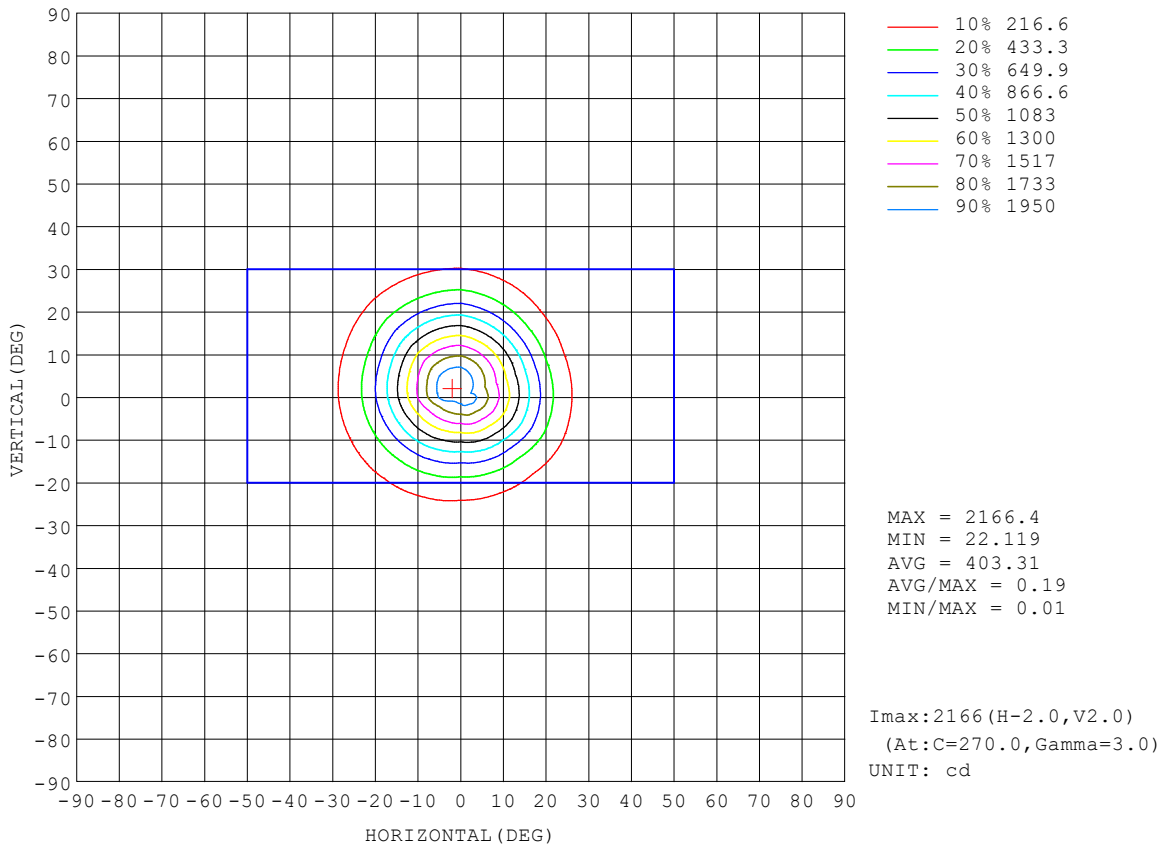
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	85	82	90	85	81	77
1.00	97	91	87	96	90	86	94	90	86	82
1.25	101	95	92	100	95	91	98	94	90	86
1.50	104	99	95	103	98	95	100	96	93	89
2.00	107	102	99	106	101	98	103	99	97	91
2.50	109	105	101	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
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:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

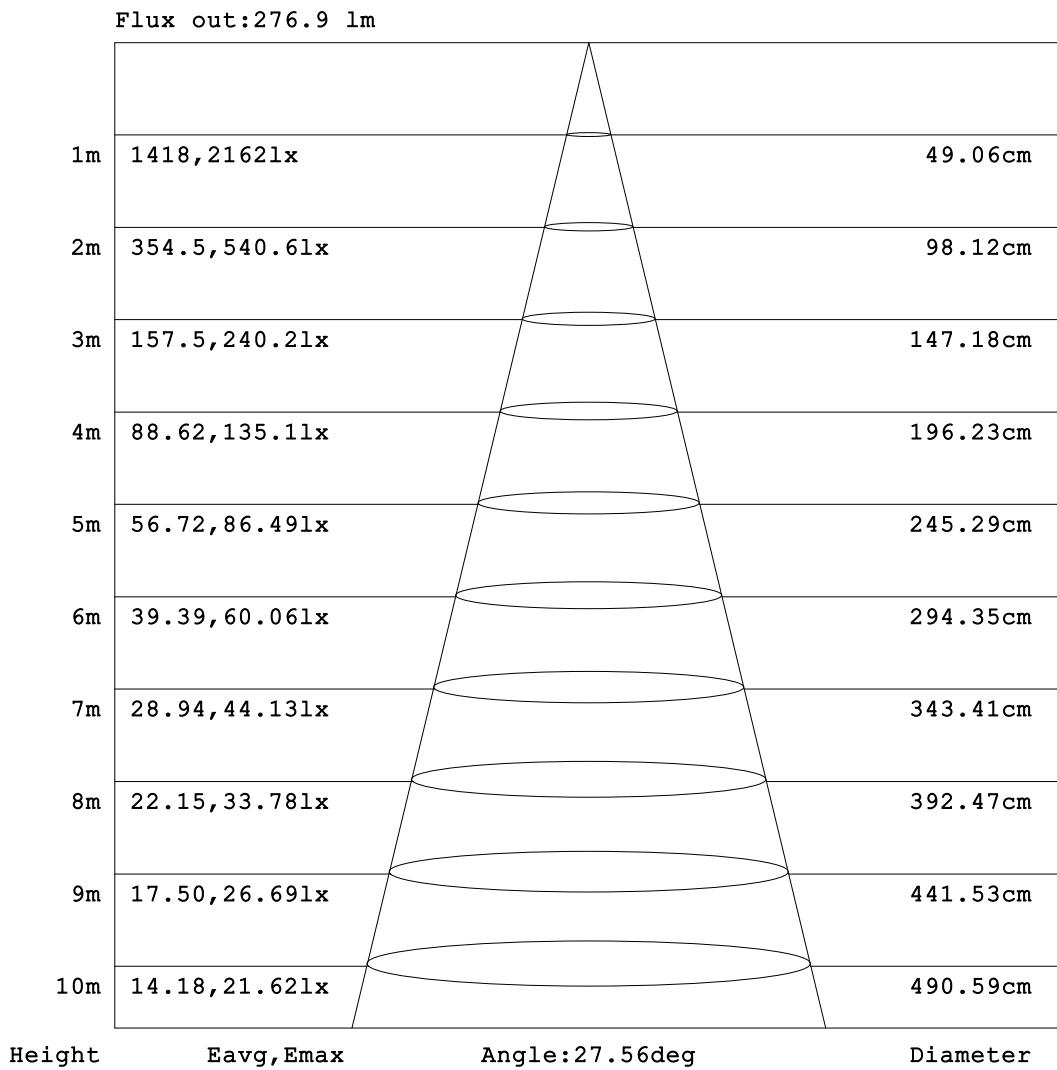


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



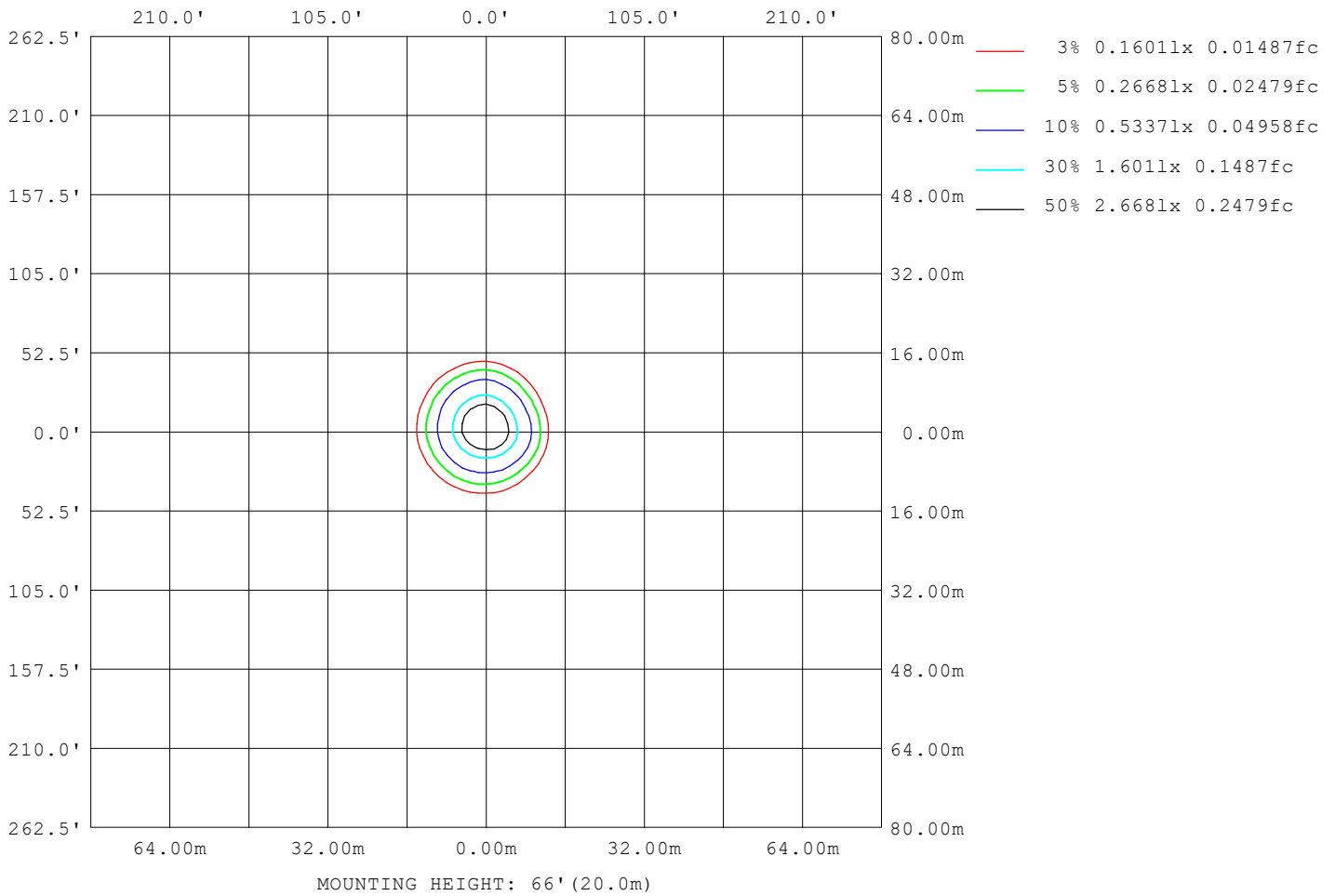
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

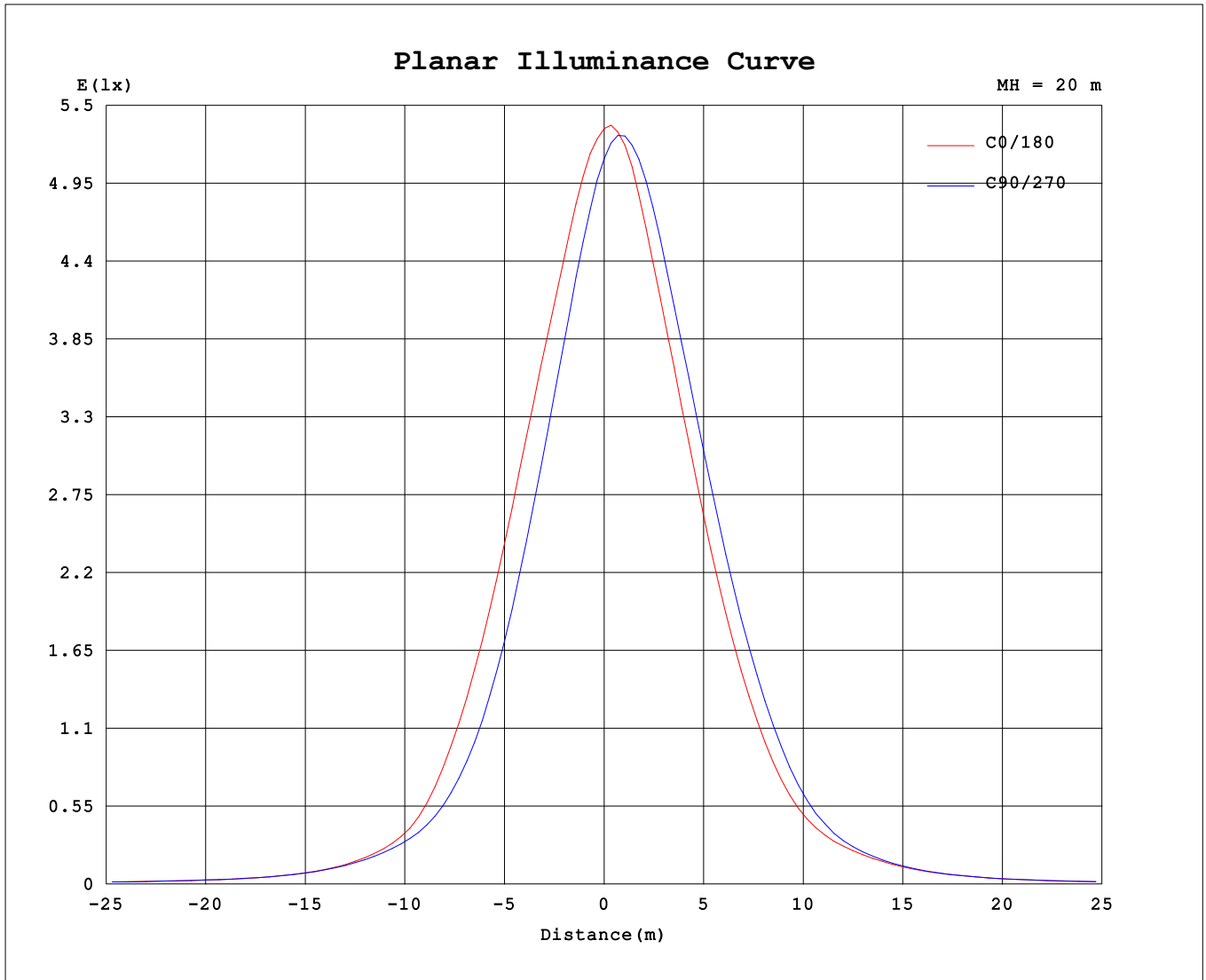
AvgL	cd/m2
L_0~180 (65) av	357
L_0~180 (75) av	339
L_0~180 (85) av	187
L_90~270 (65) av	365
L_90~270 (75) av	257
L_90~270 (85) av	95
L_45 (65) av	368
L_45 (75) av	302
L_45 (85) av	116

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2022-12-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.77V I:0.0895A P:9.0703W PF:0.8461 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:717.759x1 lm		
NAME: FR-LED-4-S9W-5CCT-FG-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

Table--1

UNIT: cd

γ (DEG)	C (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	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069				
5	1801	1756	1683	1666	1642	1679	1746	1838	1909	1972	2055	2067	2093	2032	1964	1876				
10	1383	1327	1224	1173	1136	1181	1280	1399	1479	1556	1670	1695	1724	1665	1583	1485				
15	936	883	769	715	682	740	837	953	1018	1096	1214	1236	1266	1183	1106	1020				
20	533	496	400	370	366	406	472	560	621	678	769	795	815	729	643	579				
25	247	237	199	195	199	218	247	297	329	363	427	436	449	382	309	268				
30	130	125	116	120	123	136	151	172	182	196	220	221	224	192	158	139				
35	73.9	71.6	69.3	73.1	75.2	83.2	94.0	108	113	118	128	125	126	110	92.0	80.9				
40	45.8	44.8	44.3	46.6	48.3	52.4	58.5	66.7	69.1	71.0	75.0	73.4	72.7	64.0	55.6	50.4				
45	33.3	32.8	32.6	33.6	34.6	36.5	39.5	43.3	43.8	44.3	46.3	45.6	45.2	40.9	38.1	36.2				
50	26.6	26.4	26.1	26.6	27.2	28.1	29.6	31.8	31.6	31.9	33.0	32.7	32.6	30.5	29.5	28.7				
55	22.4	22.3	21.9	22.1	22.5	22.8	23.8	25.1	24.6	25.1	25.9	25.8	26.0	24.8	24.2	23.8				
60	18.9	19.0	18.7	19.0	19.1	19.3	20.0	20.9	20.3	20.9	21.7	21.8	21.9	21.0	20.4	20.2				
65	16.1	16.1	15.8	15.9	15.7	16.5	17.3	18.0	17.4	17.9	18.4	18.5	18.6	18.1	17.6	17.4				
70	12.7	12.4	8.84	8.49	8.66	12.6	14.1	15.0	14.6	15.1	15.7	15.7	15.8	15.3	14.6	14.1				
75	8.57	6.67	4.85	4.58	4.67	6.15	9.95	11.0	10.9	11.2	9.33	8.96	10.1	11.4	10.6	9.84				
80	4.40	2.77	1.30	1.09	1.23	2.46	4.38	6.66	6.80	5.11	4.85	4.71	5.13	5.75	6.18	5.44				
85	1.14	0.15	0.12	0.14	0.13	0.11	0.84	2.33	2.49	1.74	1.61	1.41	1.72	1.90	1.91	1.98				
90	0.10	0.09	0.09	0.09	0.09	0.09	0.11	0.11	0.07	0.06	0.07	0.08	0.08	0.07	0.08	0.10				

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