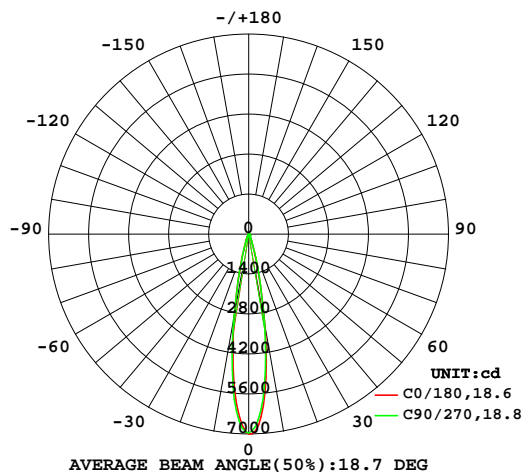


## LUMINAIRE PHOTOMETRIC TEST REPORT

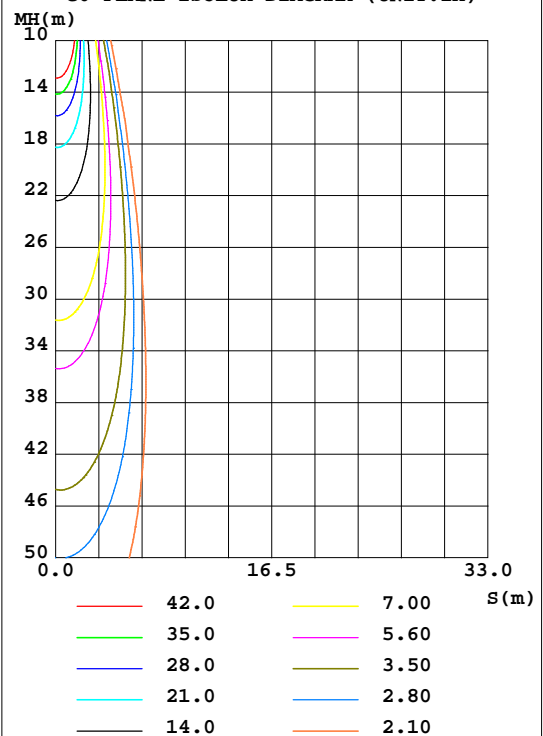
NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-5CCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.47 lm/W			
MODEL		I <sub>max</sub> (cd)	6999	S/MH(C0/180)	0.31
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	120V	TOTAL FLUX(lm)	1023.9	$\eta$ UP,DN(C0-180)	0.5,51.4
NOMINAL FLUX(lm)	1023.9	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.5,47.6
LAMPS INSIDE	1	$\eta$ up(%)	1.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	$\eta$ down(%)	99.0	CIBSE SHR MAX	1.00

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:  
Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	3330	3313	3233	3036	2950	2901	3051	3286	0- 10	463.9	463.9	45.3,45.3
20	436.8	468.2	483.8	444.9	397.2	355.9	370.3	413.8	10- 20	347.5	811.5	79.3,79.3
30	100.3	108.8	116.3	113.4	103.8	93.16	91.75	96.18	20- 30	95.42	906.9	88.6,88.6
40	43.41	45.10	47.05	48.17	46.38	43.36	41.96	42.97	30- 40	40.90	947.8	92.6,92.6
50	30.23	30.99	31.27	31.12	30.38	29.29	28.83	29.40	40- 50	28.15	975.9	95.3,95.3
60	18.46	18.54	18.38	18.02	17.82	17.65	17.76	18.03	50- 60	21.56	997.5	97.4,97.4
70	7.348	7.075	6.973	7.138	7.146	7.285	7.228	7.178	60- 70	11.60	1009	98.6,98.6
80	1.138	1.103	1.063	1.040	1.118	1.123	1.141	1.163	70- 80	3.791	1013	98.9,98.9
90	0.0552	0.0526	0.0526	0.0501	0.1787	0.1651	0.1676	0.1527	80- 90	0.4558	1013	99,99
100	0.0750	0.0650	0.0700	0.0675	0.2752	0.2651	0.2702	0.2577	90-100	0.1487	1013	99,99
110	0.1610	0.1320	0.1571	0.1571	0.3101	0.3027	0.3126	0.3101	100-110	0.2108	1014	99,99
120	0.2924	0.2722	0.2747	0.2775	0.4230	0.4330	0.4480	0.4305	110-120	0.2690	1014	99,99
130	0.9312	0.8788	0.9137	0.9836	1.428	1.443	1.423	1.343	120-130	0.5765	1015	99.1,99.1
140	3.275	3.235	3.312	3.432	4.142	4.142	4.075	3.940	130-140	1.765	1016	99.3,99.3
150	5.735	5.678	5.685	5.708	5.958	5.928	5.945	5.885	140-150	3.058	1019	99.6,99.6
160	6.142	6.048	6.155	5.820	5.730	5.570	5.943	5.873	150-160	2.786	1022	99.8,99.8
170	4.272	4.171	4.132	3.661	3.289	3.186	3.708	3.718	160-170	1.449	1024	100,100
180	2.308	2.406	2.253	2.346	2.308	2.401	2.256	2.343	170-180	0.2914	1024	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 962.58 lm

%lum = 94.0%

%lamp = 94.0%

Conical surface Flux(120deg): 997.49 lm

%lum = 97.4%

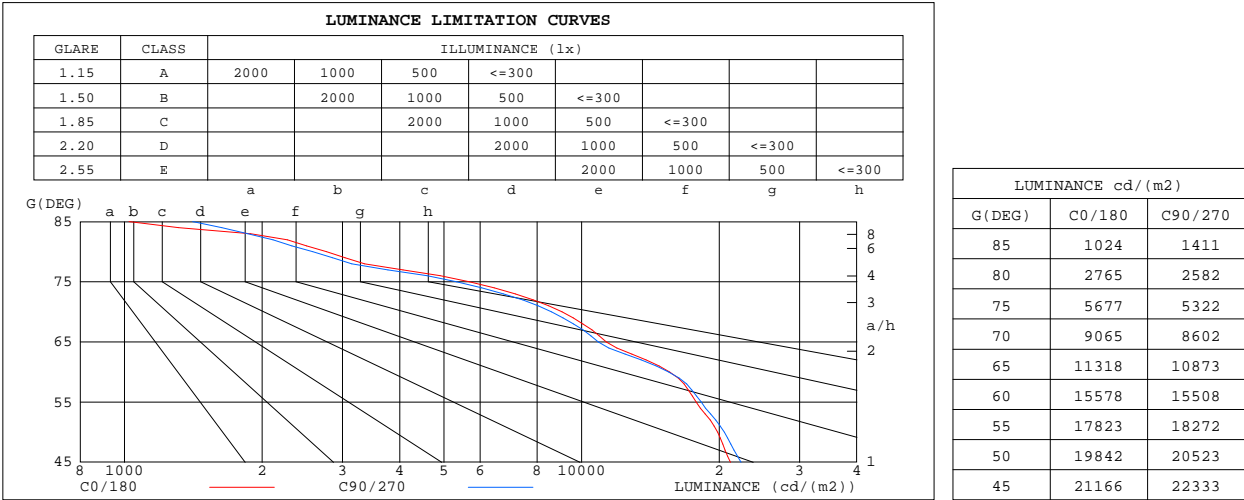
%lamp = 97.4%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:6.480m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-5CCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:



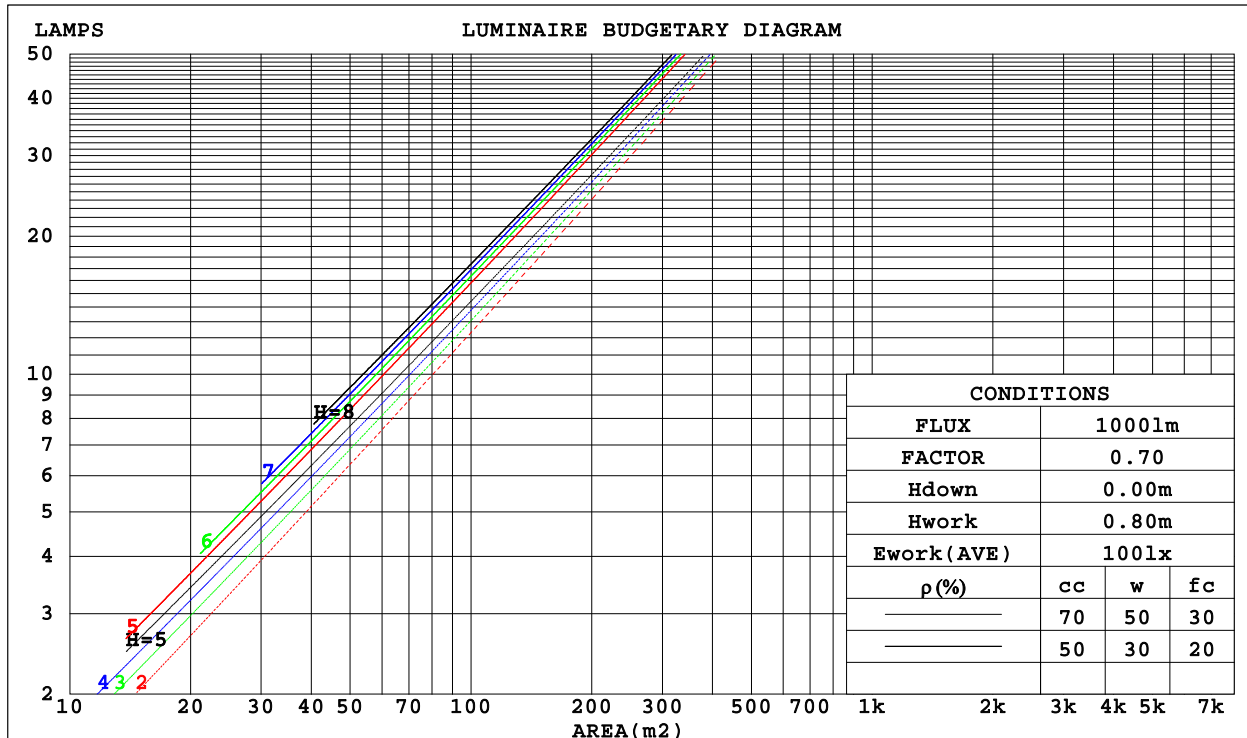
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-SCCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	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	1.12	1.10	1.09	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.95	
2.0	1.07	1.04	1.01	1.05	1.02	1.00	1.02	.00	.98	.99	.97	.96	.96	.95	.93	.92	
3.0	1.02	.99	.96	1.01	.97	.95	.98	.95	.93	.96	.94	.92	.94	.92	.90	.89	
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.90	.88	.91	.89	.87	.86	
5.0	.95	.91	.87	.94	.90	.87	.92	.89	.86	.90	.88	.85	.89	.87	.85	.83	
6.0	.92	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.83	.87	.84	.82	.81	
7.0	.89	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79	
8.0	.86	.82	.80	.86	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.77	
9.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.77	.76	
10.0	.82	.78	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.80	.77	.75	.74	



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 6.480m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-SCCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.141	.080	.025	.134	.077	.024	.121	.070	.022	.110	.063	.020	.099	.057	.018	
2.0	.131	.072	.022	.126	.069	.021	.115	.064	.020	.105	.059	.018	.096	.054	.017	
3.0	.122	.065	.019	.117	.063	.019	.108	.059	.018	.100	.055	.017	.092	.051	.016	
4.0	.114	.059	.017	.109	.057	.017	.102	.054	.016	.095	.051	.015	.088	.048	.015	
5.0	.106	.054	.016	.103	.053	.015	.096	.050	.015	.090	.047	.014	.084	.045	.014	
6.0	.100	.050	.014	.097	.049	.014	.091	.047	.014	.086	.045	.013	.081	.042	.013	
7.0	.094	.046	.013	.091	.046	.013	.086	.044	.013	.082	.042	.012	.077	.040	.012	
8.0	.089	.043	.012	.087	.043	.012	.082	.041	.012	.078	.040	.011	.074	.038	.011	
9.0	.084	.041	.011	.082	.040	.011	.078	.039	.011	.075	.037	.011	.071	.036	.010	
10.0	.080	.038	.011	.078	.038	.011	.075	.037	.010	.072	.036	.010	.069	.035	.010	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.198	.198	.198	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.177	.166	.156	.151	.142	.134	.103	.098	.093	.059	.057	.054	.019	.018	.017	
2.0	.159	.141	.125	.136	.121	.108	.093	.084	.076	.054	.049	.044	.017	.016	.014	
3.0	.144	.121	.103	.123	.105	.090	.085	.073	.063	.049	.042	.037	.016	.014	.012	
4.0	.131	.106	.087	.113	.092	.075	.078	.064	.053	.045	.037	.031	.014	.012	.010	
5.0	.121	.094	.074	.104	.081	.064	.071	.057	.045	.041	.033	.027	.013	.011	.009	
6.0	.112	.084	.064	.096	.073	.055	.066	.051	.039	.038	.030	.023	.012	.010	.008	
7.0	.104	.076	.056	.089	.065	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
8.0	.097	.069	.049	.084	.060	.043	.058	.042	.030	.034	.025	.018	.011	.008	.006	
9.0	.091	.063	.044	.079	.055	.038	.054	.038	.027	.032	.023	.016	.010	.007	.005	
10.0	.086	.058	.040	.074	.051	.035	.051	.036	.025	.030	.021	.015	.010	.007	.005	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:6.480m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

NAME:					TYPE:LED 2700K CRI90			WEIGHT:			
SPEC.:RAD35R-15-5CCT					DIM.:			SERIAL No.:1			
MFR.: RAYHIL					SUR.: $\phi$ 55mm			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	2H	16.0	16.7	16.3	16.8	17.0	16.2	16.8	16.4	17.0	17.1
	3H	16.6	17.2	16.9	17.4	17.6	16.7	17.3	16.9	17.5	17.7
	4H	16.7	17.3	17.0	17.5	17.8	16.7	17.3	17.0	17.5	17.8
	6H	16.7	17.2	17.0	17.5	17.7	16.7	17.3	17.0	17.5	17.8
	8H	16.6	17.2	17.0	17.4	17.7	16.7	17.2	17.0	17.5	17.7
	12H	16.6	17.1	16.9	17.4	17.7	16.6	17.1	16.9	17.4	17.7
4H	2H	16.4	16.9	16.6	17.2	17.4	16.5	17.0	16.7	17.3	17.5
	3H	17.0	17.5	17.3	17.8	18.1	17.0	17.6	17.4	17.8	18.1
	4H	17.2	17.6	17.5	17.9	18.3	17.2	17.6	17.5	17.9	18.3
	6H	17.1	17.5	17.5	17.9	18.2	17.1	17.5	17.5	17.9	18.2
	8H	17.1	17.5	17.5	17.8	18.2	17.1	17.5	17.5	17.8	18.2
	12H	17.0	17.4	17.5	17.8	18.2	17.0	17.4	17.4	17.8	18.2
8H	4H	17.1	17.5	17.5	17.9	18.2	17.1	17.5	17.5	17.9	18.2
	6H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	8H	17.0	17.3	17.5	17.8	18.2	17.0	17.3	17.5	17.7	18.2
	12H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
12H	4H	17.0	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	6H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
	8H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.6					+ 0.5 / - 0.7					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.6					
2.0H	+ 0.8 / - 1.4					+ 0.9 / - 1.6					

CIE Pub.117, 1024 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 0.1$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-SCCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:

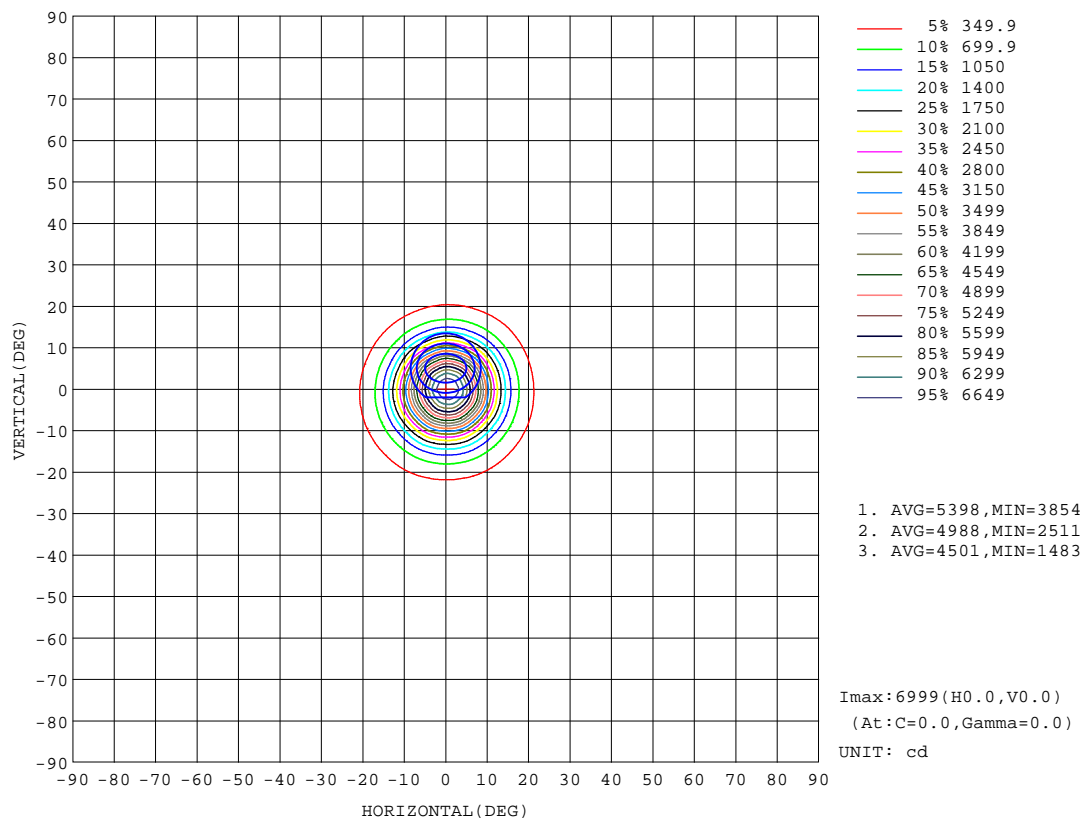
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	81	77	86	80	77	86	80	76	73
0.80	94	88	85	94	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	92	88	84
1.25	103	97	94	102	97	93	99	95	93	88
1.50	105	101	97	104	100	97	102	98	95	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	108	107	106	98
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:  
Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-5CCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:



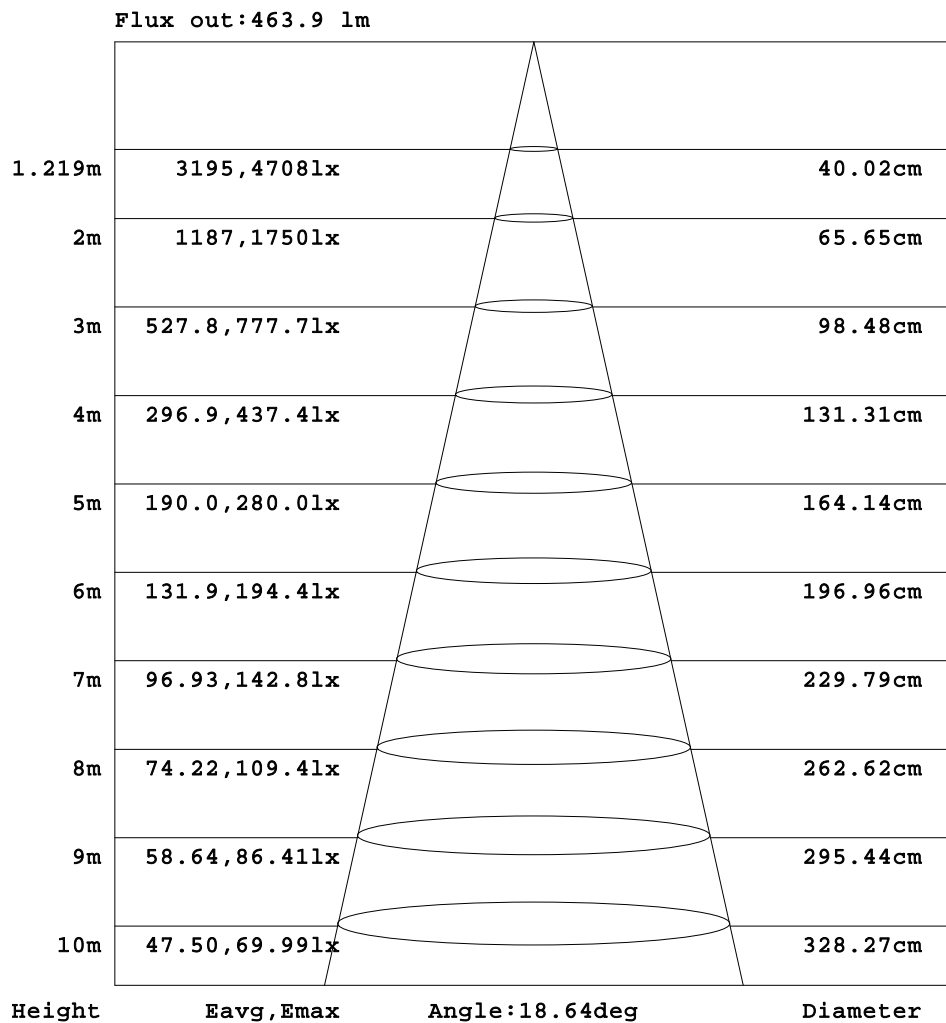
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:



### AAI Figure

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-5CCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.:Φ55mm	Shielding Angle:



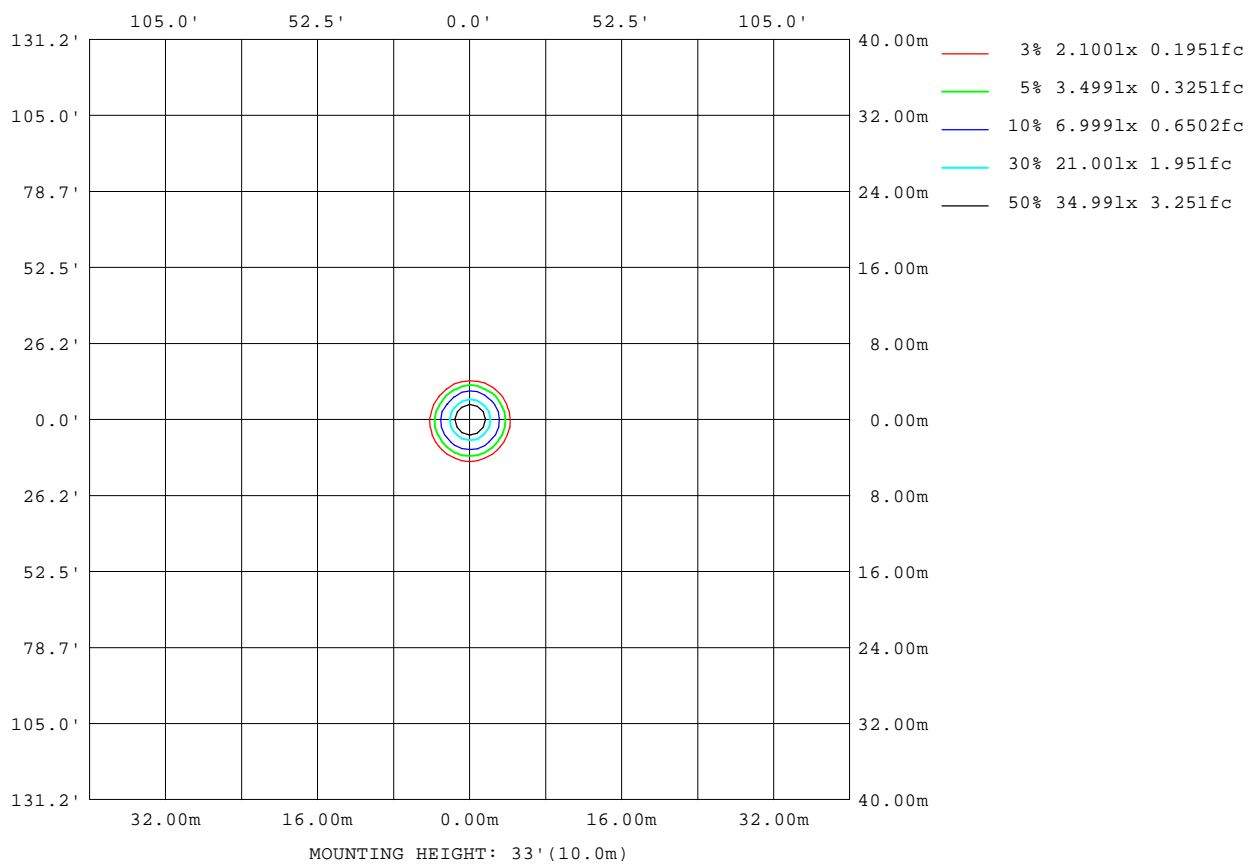
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-06-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-5CCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 6.480m [K=1.0000]  
Remarks:

## LED Avg.L Report

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-SCCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	Shielding Angle:

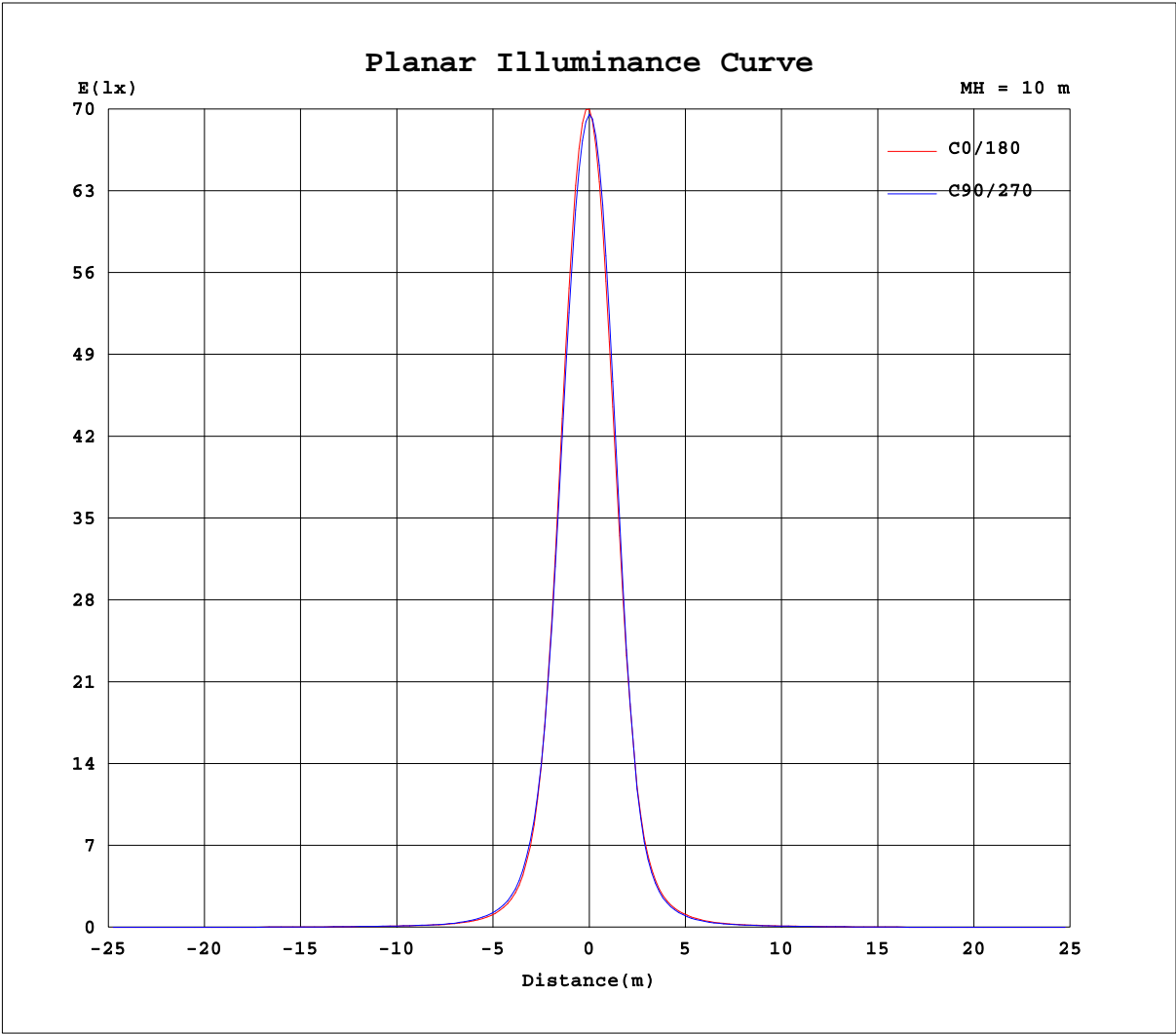
AvgL	cd/m2
L_0~180(65)av	11267
L_0~180(75)av	5575
L_0~180(85)av	1062
L_90~270(65)av	11031
L_90~270(75)av	5436
L_90~270(85)av	1587
L_45(65)av	11112
L_45(75)av	5493
L_45(85)av	1584

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-06-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:6.480m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:LED 2700K CRI90	WEIGHT:
SPEC.:RAD35R-15-SCCT	DIM.:	SERIAL No.:1
MFR.: RAYHIL	SUR.: $\phi$ 55mm	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	6999	6977	6966	6961	6956	6951	6944	6942	6999	6977	6966	6961	6956	6951	6944	6942			
5	6015	6025	5939	5919	5793	5737	5593	5570	5593	5541	5642	5672	5813	5849	5970	5959			
10	3330	3383	3313	3348	3233	3200	3036	2991	2950	2848	2901	2888	3051	3111	3286	3287			
15	1220	1254	1255	1290	1255	1237	1158	1117	1064	985	980	972	1034	1074	1169	1198			
20	437	459	468	492	484	479	445	423	397	363	356	352	370	382	414	425			
25	194	205	211	222	220	219	208	199	188	173	169	166	172	174	185	188			
30	100	105	109	115	116	118	113	109	104	96.4	93.2	90.7	91.7	92.4	96.2	97.1			
35	60.2	62.3	63.8	66.8	67.7	69.4	68.5	66.7	64.3	60.8	58.8	57.1	57.0	57.1	58.8	59.1			
40	43.4	44.4	45.1	46.3	47.0	48.2	48.2	47.4	46.4	44.5	43.4	42.3	42.0	42.0	43.0	43.1			
45	35.5	36.1	36.5	37.1	37.4	38.0	38.0	37.5	37.1	35.9	35.2	34.5	34.2	34.2	34.9	35.1			
50	30.2	30.8	31.0	31.2	31.3	31.3	31.1	30.8	30.4	29.6	29.3	28.9	28.8	28.8	29.4	29.8			
55	24.2	24.5	24.6	24.9	24.8	24.8	24.5	24.3	24.1	23.5	23.5	23.3	23.3	23.2	23.6	23.8			
60	18.5	18.7	18.5	18.6	18.4	18.4	18.0	17.9	17.8	17.4	17.7	17.6	17.8	17.6	18.0	18.2			
65	11.3	11.3	11.0	10.9	10.9	11.1	11.1	11.2	11.2	11.1	11.3	11.2	11.2	11.1	11.2	11.2			
70	7.35	7.35	7.08	7.01	6.97	7.15	7.14	7.14	7.15	7.08	7.29	7.22	7.23	7.05	7.18	7.23			
75	3.48	3.54	3.35	3.34	3.26	3.35	3.28	3.32	3.36	3.27	3.40	3.33	3.40	3.31	3.43	3.45			
80	1.14	1.14	1.10	1.10	1.06	1.06	1.04	1.05	1.12	1.10	1.12	1.11	1.14	1.14	1.16	1.16			
85	0.21	0.31	0.31	0.29	0.29	0.27	0.27	0.27	0.23	0.35	0.35	0.37	0.36	0.38	0.38	0.39			
90	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.18	0.17	0.17	0.17	0.17	0.17	0.15	0.16			
95	0.06	0.07	0.05	0.07	0.05	0.07	0.05	0.07	0.23	0.19	0.22	0.19	0.22	0.19	0.21	0.20			
100	0.07	0.10	0.07	0.10	0.07	0.10	0.07	0.10	0.28	0.24	0.27	0.24	0.27	0.24	0.26	0.23			
105	0.12	0.13	0.11	0.13	0.12	0.13	0.11	0.13	0.30	0.26	0.29	0.27	0.30	0.28	0.30	0.28			
110	0.16	0.17	0.13	0.16	0.16	0.16	0.16	0.17	0.31	0.27	0.30	0.28	0.31	0.29	0.31	0.29			
115	0.20	0.21	0.19	0.21	0.19	0.21	0.19	0.21	0.33	0.31	0.33	0.31	0.34	0.32	0.34	0.31			
120	0.29	0.30	0.27	0.29	0.27	0.30	0.28	0.31	0.42	0.40	0.43	0.43	0.45	0.43	0.43	0.39			
125	0.48	0.47	0.44	0.46	0.46	0.48	0.48	0.52	0.72	0.71	0.73	0.73	0.74	0.71	0.70	0.67			
130	0.93	0.89	0.88	0.89	0.91	0.94	0.98	1.01	1.43	1.45	1.44	1.45	1.42	1.40	1.34	1.30			
135	1.87	1.82	1.83	1.83	1.90	1.93	2.01	2.04	2.68	2.71	2.68	2.68	2.62	2.59	2.50	2.44			
140	3.27	3.22	3.23	3.25	3.31	3.35	3.43	3.48	4.14	4.16	4.14	4.13	4.07	4.03	3.94	3.88			
145	4.72	4.67	4.68	4.68	4.72	4.74	4.81	4.84	5.31	5.33	5.31	5.32	5.28	5.25	5.17	5.14			
150	5.74	5.69	5.68	5.67	5.69	5.68	5.71	5.72	5.96	5.94	5.93	5.95	5.95	5.93	5.89	5.87			
155	6.18	6.15	6.12	6.13	6.14	6.10	6.04	6.02	6.12	6.04	6.02	6.08	6.15	6.14	6.10	6.13			
160	6.14	6.12	6.05	6.13	6.15	6.06	5.82	5.76	5.73	5.58	5.57	5.71	5.94	5.91	5.87	5.97			
165	5.50	5.47	5.37	5.50	5.53	5.36	4.98	4.76	4.61	4.40	4.57	4.78	5.03	5.11	5.05	5.16			
170	4.27	4.32	4.17	4.20	4.13	3.98	3.66	3.51	3.29	3.14	3.19	3.46	3.71	3.78	3.72	3.84			
175	3.00	3.06	3.09	3.02	2.88	2.83	2.71	2.48	2.39	2.36	2.43	2.44	2.46	2.61	2.71	2.69			
180	2.31	2.32	2.41	2.28	2.25	2.26	2.35	2.20	2.31	2.31	2.40	2.27	2.26	2.25	2.34	2.20			

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