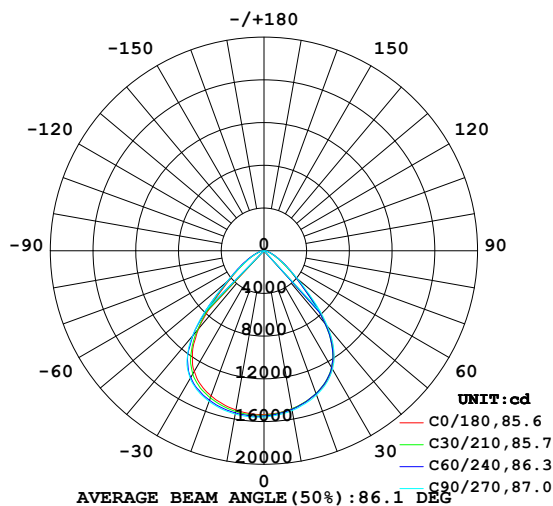


## LUMINAIRE PHOTOMETRIC TEST REPORT

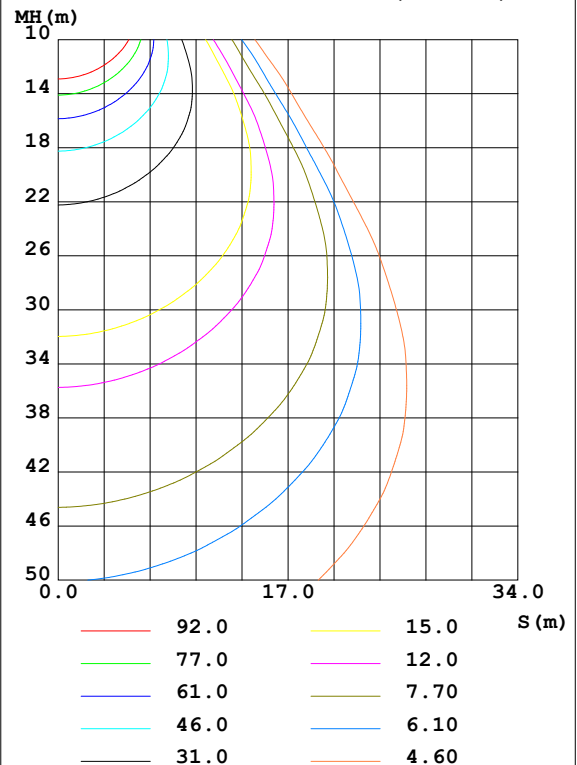
Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\varnothing 265 \times 86 \text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\varnothing 224 \text{MM}$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 192.89 lm/W			
MODEL	265-HB38-S-150W	I <sub>max</sub> (cd)	15680	S/MH (C0/180)	1.23
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	29077	$\eta$ UP, DN (C0-180)	0.3, 48.2
NOMINAL FLUX (lm)	29076.7	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.3, 51.1
LAMPS INSIDE	1	$\eta$ up (%)	0.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	$\eta$ down (%)	99.3	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 11.550m [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	1503	1506	1519	1533	1514	1535	1553	1551	0- 10	1470	1470	5.06,5.06
20	1427	1424	1437	1457	1446	1479	1502	1486	10- 20	4234	5704	19.6,19.6
30	1275	1264	1282	1301	1305	1353	1382	1349	20- 30	6442	12146	41.8,41.8
40	904.6	889.2	929.3	942.8	954.4	1004	1040	999.3	30- 40	7261	19407	66.7,66.7
50	387.0	386.4	411.3	431.1	421.3	444.2	450.3	441.4	40- 50	5160	24567	84.5,84.5
60	173.9	164.3	167.7	183.9	188.5	187.8	182.4	184.2	50- 60	2538	27104	93.2,93.2
70	69.87	66.17	66.42	73.81	77.08	75.43	72.03	73.57	60- 70	1179	28284	97.3,97.3
80	22.49	22.14	22.98	24.92	25.60	25.99	24.81	24.53	70- 80	480.4	28764	98.9,98.9
90	2.752	2.738	2.755	2.792	2.353	2.399	2.362	2.331	80- 90	118.2	28882	99.3,99.3
100	2.599	2.603	2.609	2.620	2.318	2.284	2.292	2.303	90-100	26.88	28909	99.4,99.4
110	2.752	2.761	2.759	2.754	2.630	2.583	2.581	2.601	100-110	26.95	28936	99.5,99.5
120	2.985	3.001	3.001	2.986	2.958	2.918	2.910	2.934	110-120	27.95	28964	99.6,99.6
130	3.257	3.289	3.297	3.275	3.254	3.227	3.222	3.243	120-130	27.88	28992	99.7,99.7
140	3.552	3.579	3.586	3.577	3.548	3.536	3.531	3.544	130-140	26.38	29018	99.8,99.8
150	3.774	3.785	3.794	3.799	3.906	3.907	3.901	3.900	140-150	23.19	29042	99.9,99.9
160	4.058	4.063	4.068	4.078	4.248	4.263	4.270	4.259	150-160	18.47	29060	99.9,99.9
170	4.376	4.387	4.393	4.394	4.591	4.612	4.629	4.608	160-170	12.25	29072	100,100
180	4.573	4.596	4.611	4.604	4.569	4.594	4.629	4.600	170-180	4.333	29077	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 22416 lm

%lum = 77.1%

%lamp = 77.1%

Conical surface Flux(120deg): 27104 lm

%lum = 93.2%

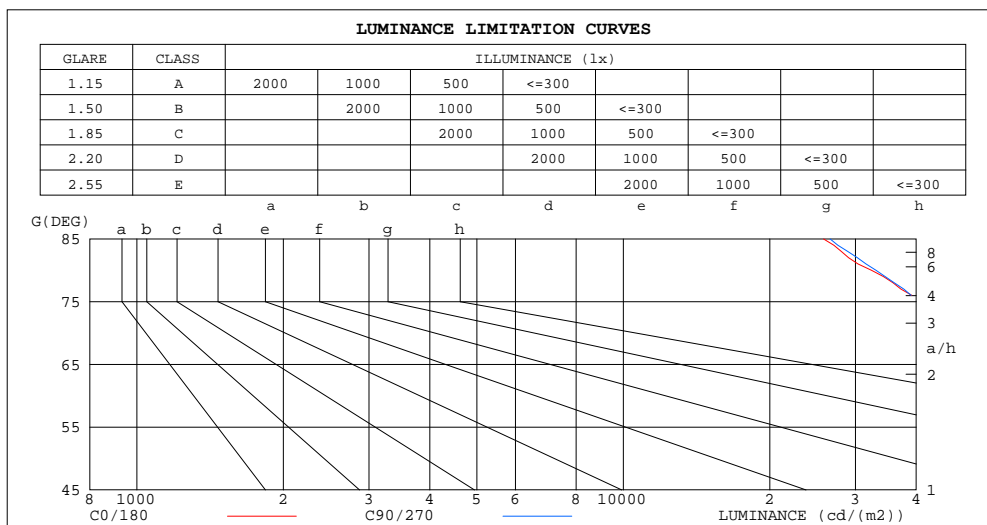
%lamp = 93.2%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:11.550m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\phi 265 \times 86\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 224\text{MM}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	25805	26625
80	32385	33078
75	41333	40189
70	51069	48548
65	67454	63501
60	86946	83870
55	114689	113892
50	150528	159953
45	215535	227879

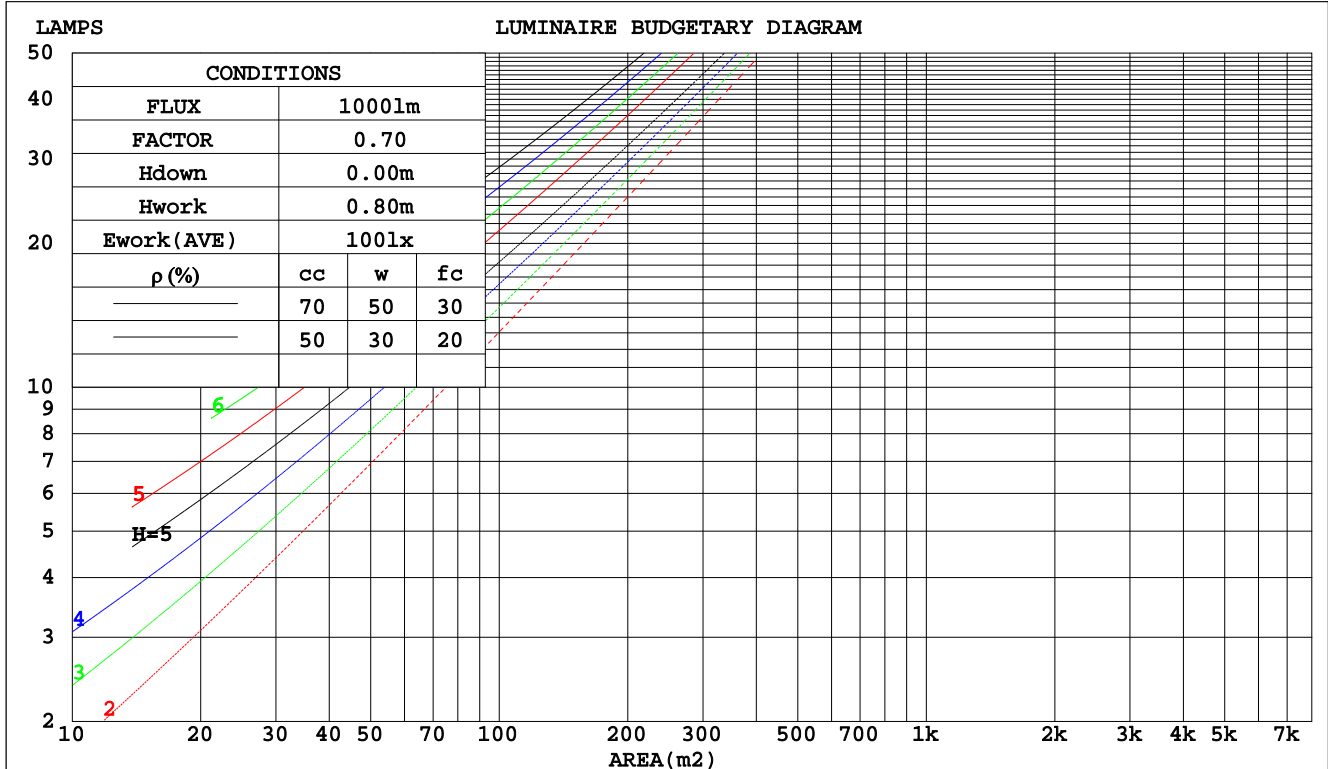
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 11.550m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\varnothing 265 \times 86 \text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\varnothing 224 \text{MM}$	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	1.08	1.05	1.02	1.06	1.03	.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.97	.92	.88	.95	.91	.86	.92	.88	.84	.89	.85	.82	.86	.83	.81	.79
3.0	.88	.81	.76	.86	.80	.76	.84	.78	.74	.81	.77	.73	.78	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.70	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.65	.60	.72	.65	.59	.70	.63	.59	.68	.62	.58	.66	.61	.57	.56
6.0	.67	.59	.53	.66	.58	.53	.64	.58	.53	.62	.57	.52	.61	.56	.52	.50
7.0	.61	.54	.48	.60	.53	.48	.59	.52	.48	.57	.52	.47	.56	.51	.47	.45
8.0	.56	.49	.44	.56	.49	.44	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.39	.48	.43	.39	.38
10.0	.48	.41	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 11.550m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\varnothing$ 265*86MM	SERIAL No.: 1
MFR.:	SUR.: $\varnothing$ 224MM	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	.232	.132	.042	.225	.128	.041	.212	.121	.039	.199	.115	.037	.188	.109	.035		
2.0	.225	.123	.038	.219	.120	.037	.207	.115	.036	.197	.110	.035	.187	.106	.033		
3.0	.214	.114	.034	.208	.112	.034	.198	.108	.033	.189	.104	.032	.181	.100	.031		
4.0	.202	.105	.031	.198	.103	.031	.189	.100	.030	.181	.097	.029	.173	.094	.029		
5.0	.191	.097	.028	.187	.096	.028	.179	.093	.027	.172	.091	.027	.165	.088	.027		
6.0	.181	.091	.026	.177	.089	.026	.170	.087	.025	.164	.085	.025	.157	.083	.025		
7.0	.171	.084	.024	.168	.084	.024	.161	.082	.023	.156	.080	.023	.150	.078	.023		
8.0	.162	.079	.022	.159	.078	.022	.153	.077	.022	.148	.075	.022	.143	.073	.021		
9.0	.154	.074	.021	.151	.074	.021	.146	.072	.020	.141	.071	.020	.137	.069	.020		
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.019		

$\rho_{cc}$	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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.180	.162	.146	.154	.139	.125	.105	.096	.087	.061	.055	.050	.019	.018	.016	
2.0	.168	.137	.111	.144	.118	.096	.099	.082	.067	.057	.048	.039	.018	.015	.013	
3.0	.159	.119	.087	.136	.103	.076	.093	.071	.053	.054	.042	.031	.017	.014	.010	
4.0	.150	.105	.071	.129	.091	.061	.089	.063	.043	.051	.037	.026	.017	.012	.008	
5.0	.143	.094	.058	.123	.082	.051	.085	.057	.036	.049	.033	.021	.016	.011	.007	
6.0	.136	.086	.049	.117	.074	.043	.081	.052	.030	.047	.031	.018	.015	.010	.006	
7.0	.130	.078	.042	.112	.068	.037	.077	.048	.026	.045	.028	.016	.015	.009	.005	
8.0	.124	.073	.037	.107	.063	.032	.074	.044	.023	.043	.026	.014	.014	.009	.005	
9.0	.119	.068	.033	.103	.059	.029	.071	.041	.020	.041	.024	.012	.013	.008	.004	
10.0	.114	.063	.030	.098	.055	.026	.068	.039	.018	.040	.023	.011	.013	.008	.004	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:11.550m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm											
NAME: 265-HB38-S-150W CW 90°					TYPE:			WEIGHT: 2.3KG			
SPEC.:					DIM.: $\varnothing$ 265*86MM			SERIAL No.: 1			
MFR.:					SUR.: $\varnothing$ 224MM			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	25.1	26.4	25.4	26.7	27.0	26.1	27.4	26.5	27.7	28.1	
	3H	25.8	27.0	26.2	27.3	27.7	26.7	27.9	27.1	28.2	28.6
	4H	26.0	27.1	26.4	27.5	27.9	26.9	28.0	27.3	28.3	28.7
	6H	26.2	27.2	26.6	27.5	28.0	27.0	28.0	27.4	28.4	28.8
	8H	26.2	27.1	26.6	27.5	28.0	27.0	27.9	27.4	28.3	28.8
	12H	26.2	27.1	26.6	27.5	27.9	27.0	27.9	27.4	28.3	28.7
4H	2H	25.3	26.4	25.7	26.8	27.2	26.3	27.4	26.7	27.8	28.2
	3H	26.2	27.1	26.6	27.5	27.9	27.1	28.0	27.5	28.4	28.8
	4H	26.5	27.3	26.9	27.7	28.2	27.4	28.2	27.8	28.6	29.0
	6H	26.7	27.4	27.2	27.8	28.3	27.5	28.2	28.0	28.7	29.2
	8H	26.7	27.4	27.2	27.8	28.3	27.6	28.2	28.1	28.7	29.2
	12H	26.8	27.3	27.3	27.8	28.3	27.6	28.2	28.1	28.7	29.1
8H	4H	26.6	27.2	27.0	27.7	28.1	27.4	28.1	27.9	28.5	29.0
	6H	26.8	27.3	27.3	27.9	28.3	27.7	28.2	28.2	28.7	29.2
	8H	26.9	27.4	27.4	27.9	28.4	27.7	28.2	28.3	28.7	29.2
	12H	27.0	27.4	27.5	27.9	28.5	27.8	28.2	28.3	28.7	29.3
12H	4H	26.5	27.1	27.0	27.6	28.1	27.4	28.0	27.9	28.5	28.9
	6H	26.8	27.3	27.4	27.8	28.3	27.7	28.1	28.2	28.6	29.2
	8H	26.9	27.3	27.4	27.8	28.4	27.7	28.2	28.3	28.7	29.3
CIE190: 2010											

CIE190: 2010  
Area: 0.04 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:11.550m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\varnothing 265 \times 86 \text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\varnothing 224 \text{MM}$	Shielding Angle:

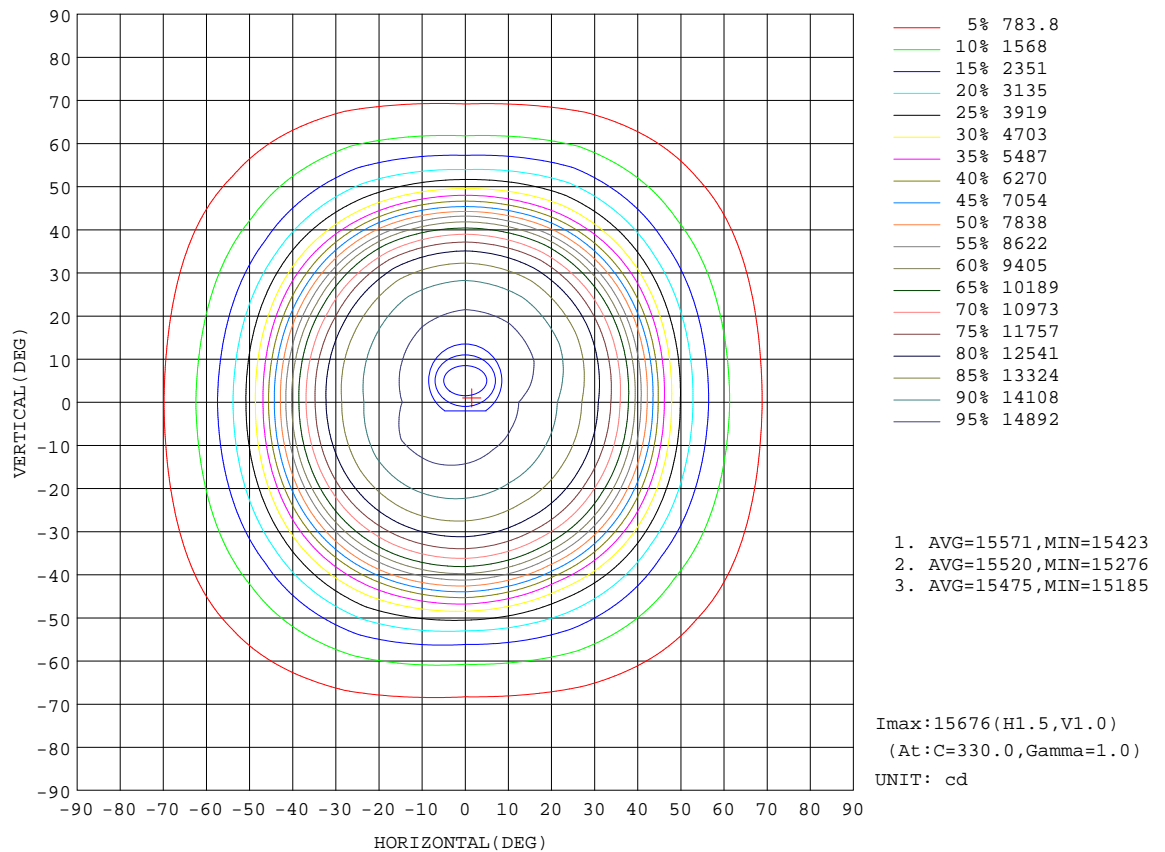
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	61	56	70	61	56	69	61	55	50
0.80	80	71	66	79	71	65	78	70	65	60
1.00	87	79	74	86	79	73	84	79	73	67
1.25	93	86	81	92	85	80	90	84	79	74
1.50	97	90	85	96	89	85	93	88	84	78
2.00	102	96	92	101	95	91	98	93	89	83
2.50	105	99	95	103	98	94	100	96	92	85
3.00	107	103	99	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	108	106	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:11.550m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\varnothing 265 \times 86 \text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\varnothing 224 \text{MM}$	Shielding Angle:



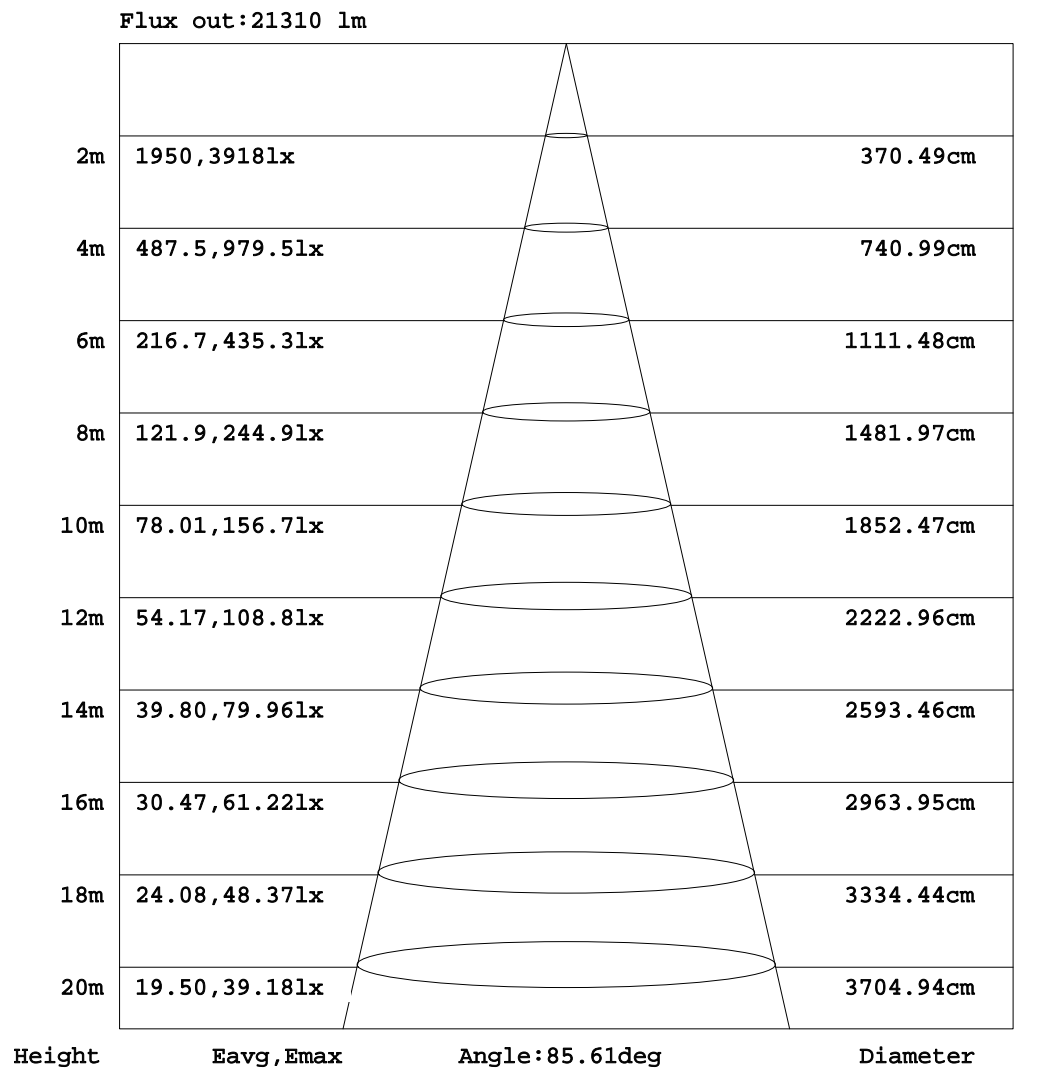
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 11.550m [K=1.0000]  
Remarks:



AAI Figure

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\phi 265 \times 86\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 224\text{MM}$	Shielding Angle:



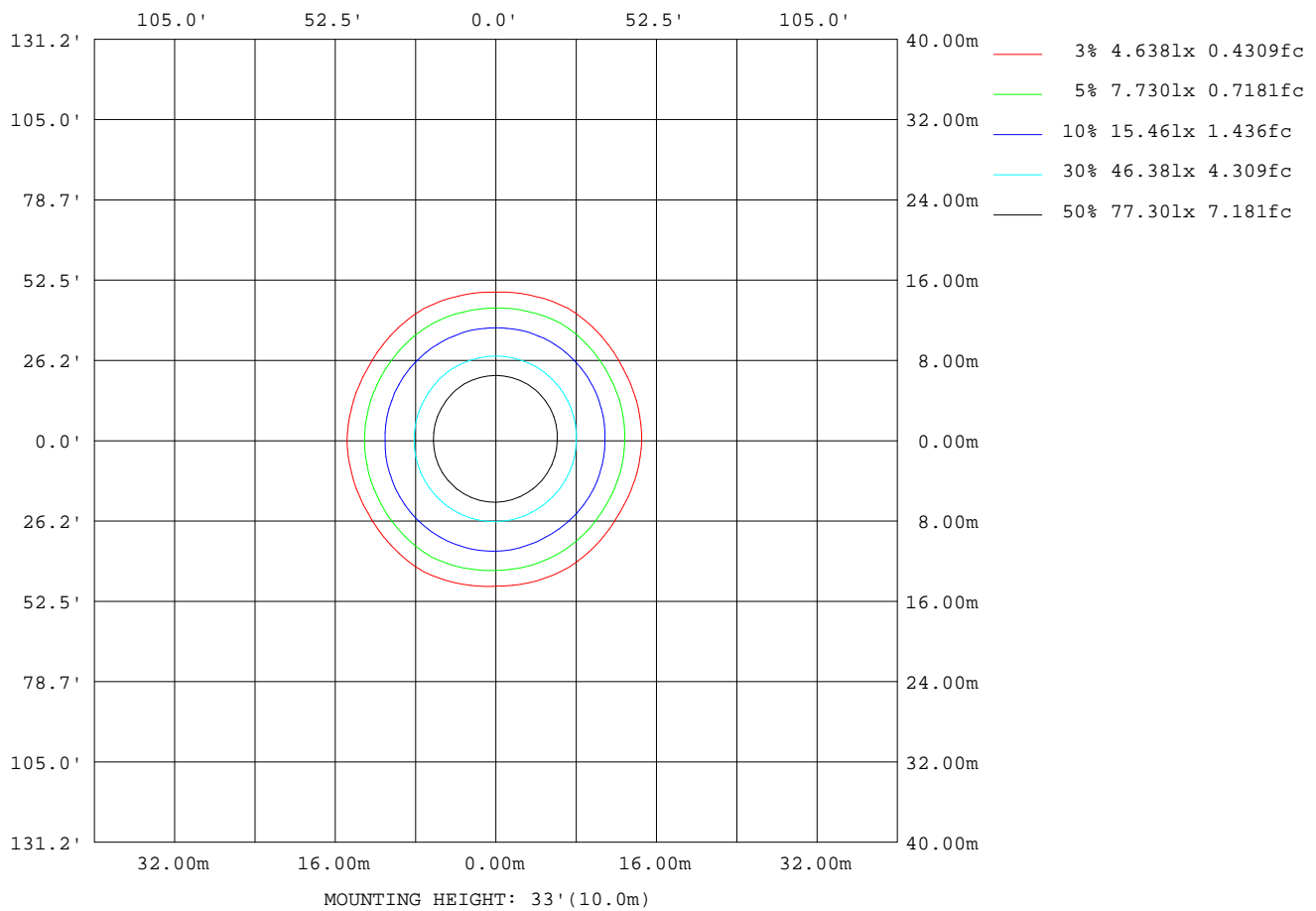
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:11.550m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\phi 265 \times 86\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 224\text{MM}$	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-3-7

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 11.550m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
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SPEC.:	DIM.: $\varnothing 265 \times 86 \text{MM}$	SERIAL No.: 1
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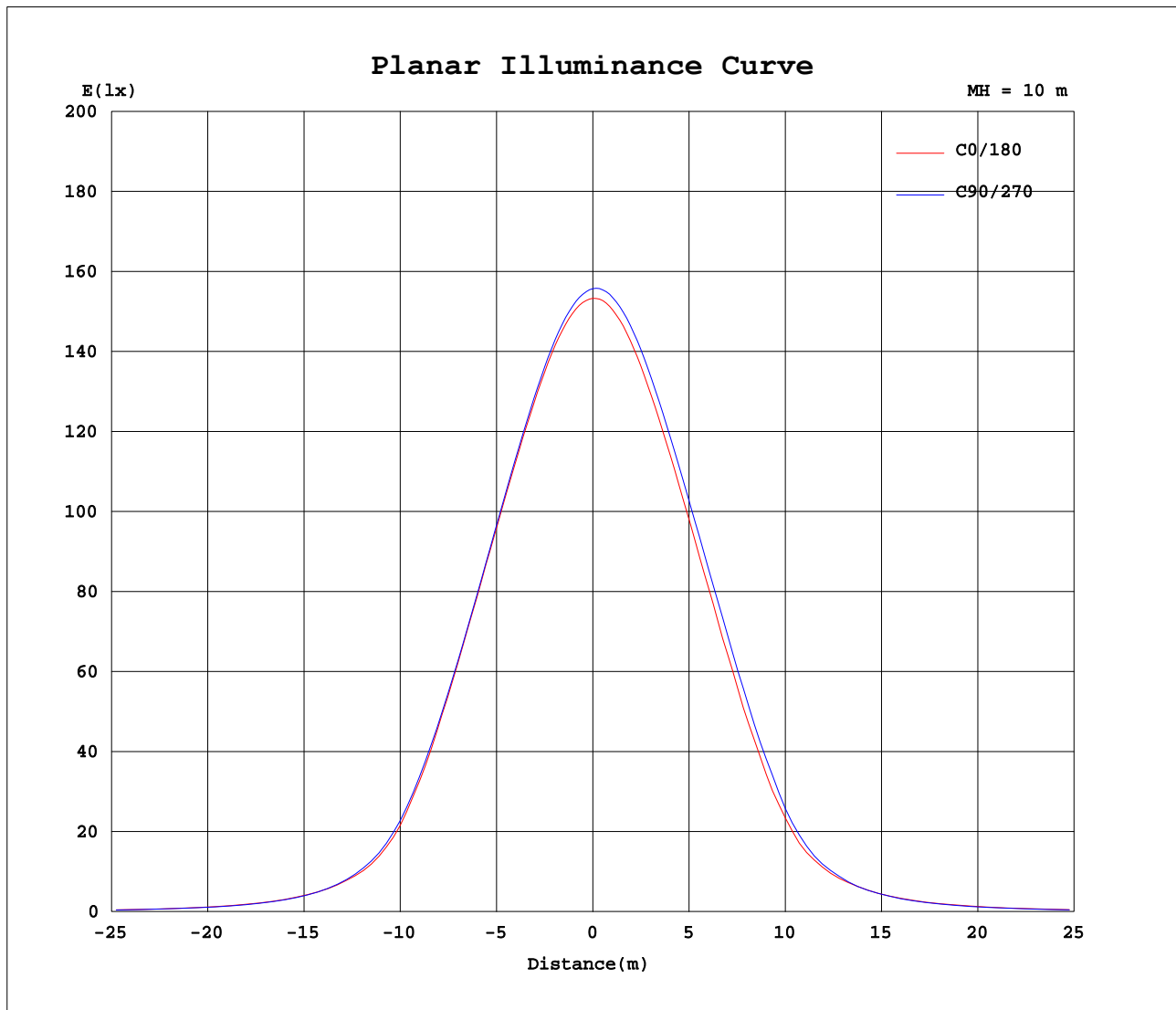
AvgL	cd/m2
L_0~180 (65) av	70398
L_0~180 (75) av	43170
L_0~180 (85) av	27767
L_90~270 (65) av	66313
L_90~270 (75) av	41870
L_90~270 (85) av	27556
L_45 (65) av	69063
L_45 (75) av	43312
L_45 (85) av	28196

Standard: GB/T 29293-2012

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Remarks:

## Planar Illuminance Curve



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 Operators:  
 Test Date: 2024-3-7

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 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 11.550m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.79V I:0.7106A P:150.75W PF:0.9907 Freq:49.99Hz Lamp Flux:29076.7x1 lm		
NAME: 265-HB38-S-150W CW 90°	TYPE:	WEIGHT: 2.3KG
SPEC.:	DIM.: $\varnothing 265 \times 86\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\varnothing 224\text{MM}$	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1533	1541	1548	1557	1564	1567	1533	1541	1548	1557	1564	1567						
5	1524	1528	1532	1543	1552	1558	1530	1541	1551	1561	1566	1564						
10	1503	1504	1508	1519	1529	1538	1514	1528	1542	1553	1555	1547						
15	1471	1468	1472	1483	1497	1506	1487	1504	1522	1534	1532	1518						
20	1427	1422	1426	1437	1452	1462	1446	1467	1490	1502	1497	1476						
25	1365	1358	1360	1374	1388	1400	1390	1415	1443	1455	1444	1418						
30	1275	1264	1265	1282	1296	1307	1305	1334	1372	1382	1367	1331						
35	1132	1116	1117	1141	1154	1164	1170	1195	1249	1257	1241	1190						
40	905	890	888	929	940	946	954	972	1037	1040	1033	965						
45	610	610	595	645	655	660	663	681	732	729	726	665						
50	387	385	388	411	437	425	421	437	452	450	462	421						
55	263	242	265	261	294	272	285	273	302	284	308	266						
60	174	156	173	168	191	177	189	177	199	182	197	171						
65	114	101	112	107	123	116	124	115	129	117	126	111						
70	69.9	62.9	69.5	66.4	75.7	72.0	77.1	71.0	79.9	72.0	78.2	68.9						
75	42.8	39.6	43.1	41.6	46.3	44.5	46.6	43.9	48.8	45.1	47.7	44.1						
80	22.5	21.4	22.9	23.0	25.0	24.8	25.6	24.8	27.2	24.8	25.6	23.5						
85	9.00	8.61	8.83	9.28	9.96	10.4	10.4	10.2	11.1	9.93	10.1	9.30						
90	2.75	2.73	2.74	2.76	2.80	2.79	2.35	2.36	2.44	2.36	2.34	2.32						
95	2.63	2.62	2.63	2.64	2.66	2.66	2.25	2.25	2.24	2.26	2.26	2.24						
100	2.60	2.60	2.61	2.61	2.63	2.61	2.32	2.29	2.28	2.29	2.31	2.30						
105	2.64	2.64	2.66	2.65	2.66	2.65	2.45	2.42	2.40	2.41	2.43	2.43						
110	2.75	2.75	2.77	2.76	2.77	2.74	2.63	2.59	2.57	2.58	2.60	2.61						
115	2.87	2.88	2.90	2.88	2.89	2.86	2.79	2.76	2.73	2.74	2.75	2.77						
120	2.99	2.99	3.01	3.00	3.00	2.97	2.96	2.93	2.90	2.91	2.92	2.94						
125	3.11	3.13	3.15	3.14	3.14	3.10	3.12	3.10	3.07	3.08	3.09	3.11						
130	3.26	3.27	3.30	3.30	3.29	3.26	3.25	3.24	3.21	3.22	3.23	3.25						
135	3.41	3.43	3.46	3.45	3.45	3.42	3.40	3.39	3.37	3.37	3.38	3.40						
140	3.55	3.57	3.59	3.59	3.59	3.57	3.55	3.55	3.53	3.53	3.54	3.55						
145	3.66	3.67	3.69	3.69	3.70	3.68	3.70	3.71	3.69	3.69	3.69	3.71						
150	3.77	3.78	3.79	3.79	3.81	3.79	3.91	3.92	3.90	3.90	3.90	3.90						
155	3.91	3.90	3.92	3.92	3.94	3.92	4.08	4.09	4.08	4.08	4.07	4.08						
160	4.06	4.05	4.07	4.07	4.09	4.07	4.25	4.27	4.26	4.27	4.26	4.26						
165	4.22	4.22	4.24	4.23	4.25	4.23	4.43	4.45	4.45	4.47	4.45	4.45						
170	4.38	4.38	4.40	4.39	4.40	4.39	4.59	4.61	4.62	4.63	4.61	4.60						
175	4.45	4.45	4.48	4.48	4.49	4.46	4.61	4.63	4.65	4.66	4.65	4.63						
180	4.57	4.57	4.62	4.61	4.62	4.59	4.57	4.58	4.60	4.63	4.61	4.59						

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