

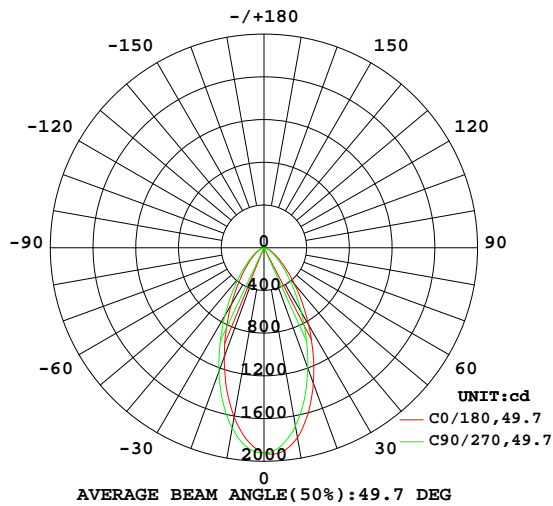
TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

## LUMINAIRE PHOTOMETRIC TEST REPORT

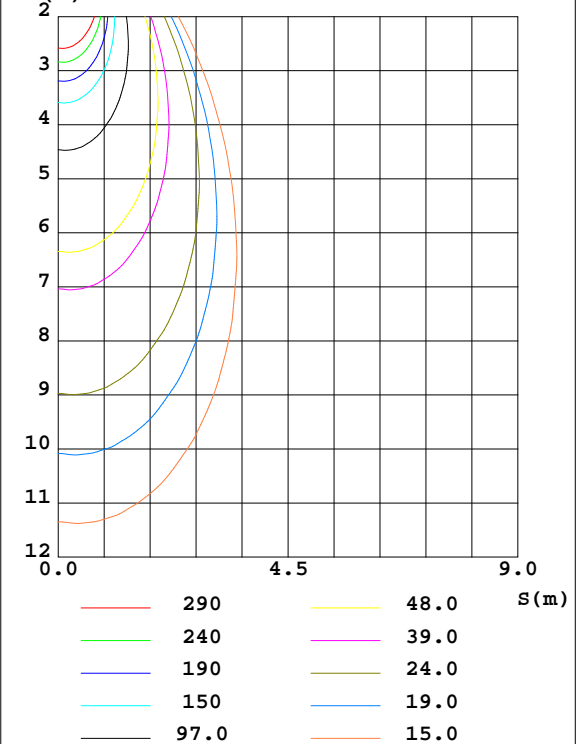
NAME: TLO025-61	TYPE: 50D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.95 lm/W			
MODEL		Imax(cd)	1935	S/MH(C0/180)	0.70
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1783.4	$\eta$ UP,DN(C0-180)	1.2,49.4
NOMINAL FLUX(lm)	1783.44	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.1,48.3
LAMPS INSIDE	1	$\eta$ up(%)	2.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	$\eta$ down(%)	97.7	CIBSE SHR MAX	0.85

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 28DEG  
Operators: LXJ  
Test Date: 2024-12-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	1805	1757	1696	1637	1611	1651	1715	1782	0- 10	173.0	173.0	9.7,9.7
20	1352	1285	1198	1122	1090	1151	1234	1325	10- 20	410.3	583.3	32.7,32.7
30	836.3	784.2	700.0	641.5	613.0	659.4	730.6	807.6	20- 30	438.3	1022	57.3,57.3
40	442.3	409.1	354.1	318.8	304.4	333.0	372.5	422.3	30- 40	328.8	1350	75.7,75.7
50	214.6	192.8	168.8	149.1	146.9	158.7	179.5	203.6	40- 50	200.7	1551	87,87
60	102.0	90.05	79.55	69.40	69.12	75.41	85.70	95.84	50- 60	110.9	1662	93.2,93.2
70	45.65	39.20	33.09	28.11	27.72	30.89	36.01	40.13	60- 70	56.10	1718	96.3,96.3
80	13.45	9.601	7.121	4.910	4.178	5.933	8.213	9.150	70- 80	21.23	1739	97.5,97.5
90	0.6861	0.7551	0.7944	0.8396	0.8039	0.7300	0.6655	0.6115	80- 90	2.709	1742	97.7,97.7
100	1.189	1.265	1.388	1.533	1.491	1.356	1.213	1.105	90-100	1.076	1743	97.7,97.7
110	2.200	2.352	2.599	2.858	2.799	2.536	2.280	2.078	100-110	1.932	1745	97.8,97.8
120	4.015	4.259	4.704	5.129	5.056	4.641	4.200	3.844	110-120	3.348	1748	98,98
130	6.885	7.185	7.832	8.401	8.377	7.827	7.207	6.687	120-130	5.292	1754	98.3,98.3
140	10.56	10.90	11.69	12.26	12.30	11.64	10.99	10.34	130-140	7.240	1761	98.7,98.7
150	14.30	14.58	15.24	15.74	15.72	15.17	14.63	14.01	140-150	8.239	1769	99.2,99.2
160	16.83	17.13	17.63	17.83	17.67	17.41	17.20	16.61	150-160	7.473	1777	99.6,99.6
170	18.28	18.26	18.49	18.63	18.71	18.49	18.30	18.06	160-170	5.062	1782	99.9,99.9
180	19.31	19.33	19.01	19.32	19.35	19.35	19.03	19.33	170-180	1.786	1783	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

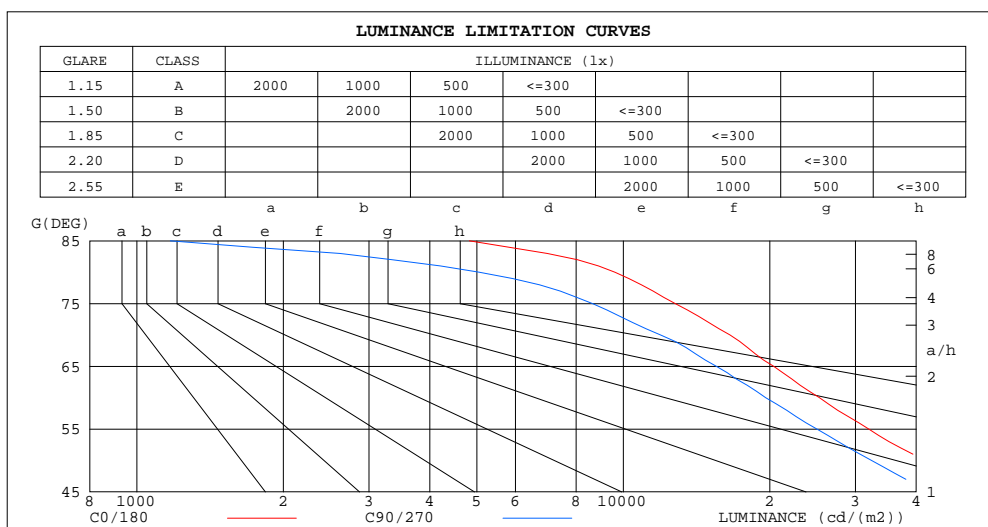
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:LXJ  
 Test Date:2024-12-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
 Humidity:65.0%  
 Test Distance:5.190m [K=1.0000]  
 Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

# LUMINANCE LIMITATION CURVES

NAME: TLO025-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4825	1171
80	9607	5054
75	12784	8638
70	16561	11926
65	20379	15537
60	25306	19609
55	31960	24988
50	41425	32363
45	54377	42792

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-03

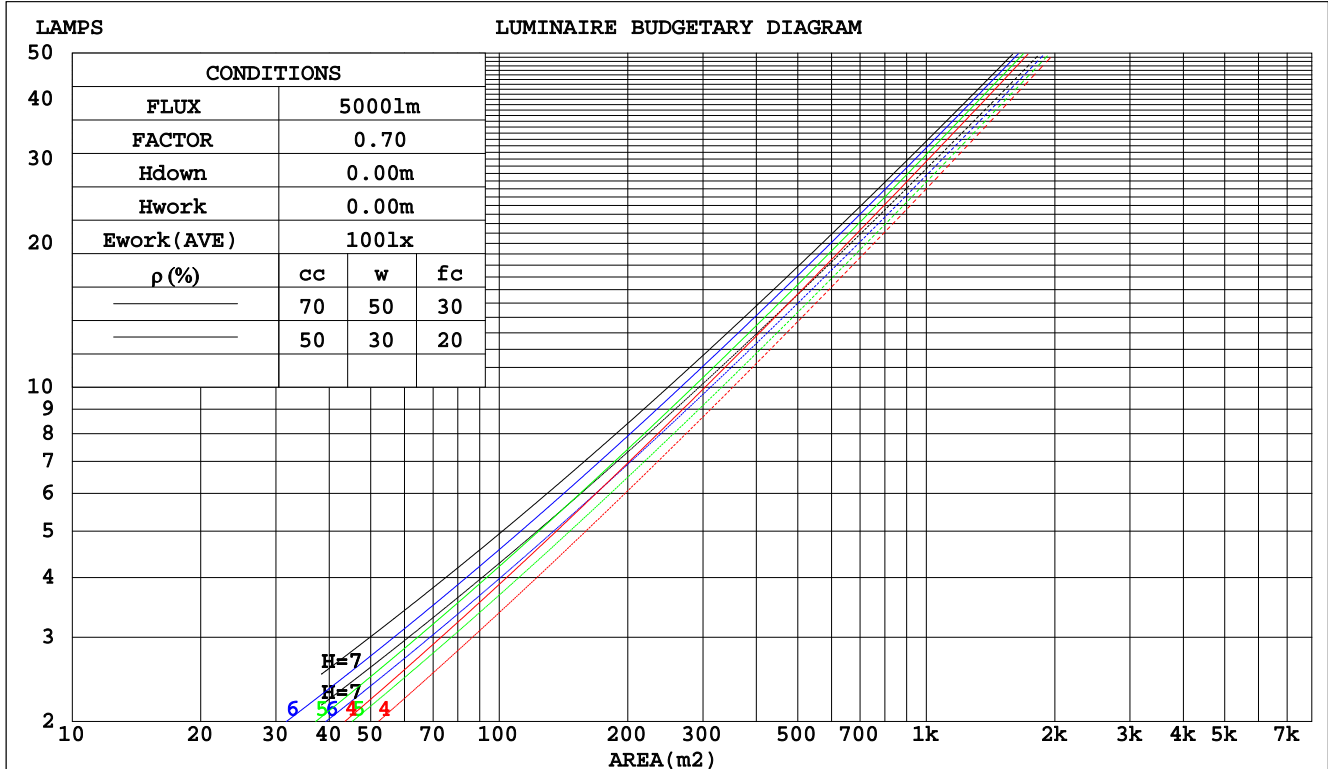
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO025-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.09	1.06	1.03	1.06	1.04	1.01	1.02	.00	.98	.98	.96	.94	.94	.92	.91	.89
2.0	.99	.95	.91	.98	.93	.90	.94	.90	.87	.90	.88	.85	.87	.85	.83	.81
3.0	.91	.86	.81	.90	.84	.80	.87	.82	.79	.84	.80	.77	.81	.78	.76	.74
4.0	.84	.78	.73	.83	.77	.72	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.78	.71	.66	.77	.71	.66	.75	.69	.65	.73	.68	.64	.71	.67	.64	.62
6.0	.73	.66	.61	.72	.65	.61	.70	.64	.60	.68	.63	.59	.66	.62	.59	.57
7.0	.68	.61	.56	.67	.60	.56	.65	.60	.55	.64	.59	.55	.62	.58	.55	.53
8.0	.63	.57	.52	.63	.56	.52	.61	.56	.52	.60	.55	.51	.59	.54	.51	.49
9.0	.59	.53	.49	.59	.53	.48	.58	.52	.48	.57	.51	.48	.56	.51	.48	.46
10.0	.56	.50	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.53	.48	.45	.43



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

### WEC AND CCEC

NAME: TLO025-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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	.207	.118	.037	.200	.114	.036	.186	.107	.034	.173	.100	.032	.161	.093	.030		
2.0	.200	.109	.034	.193	.106	.033	.181	.101	.031	.170	.095	.030	.160	.090	.028		
3.0	.189	.101	.030	.184	.098	.030	.173	.094	.029	.164	.090	.027	.155	.086	.026		
4.0	.179	.093	.027	.174	.091	.027	.165	.087	.026	.156	.084	.025	.148	.081	.025		
5.0	.169	.086	.025	.165	.085	.025	.157	.082	.024	.149	.079	.023	.142	.076	.023		
6.0	.160	.080	.023	.156	.079	.023	.149	.076	.022	.142	.074	.022	.136	.072	.021		
7.0	.152	.075	.021	.148	.074	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020		
8.0	.144	.070	.020	.141	.069	.020	.135	.067	.019	.130	.066	.019	.124	.064	.019		
9.0	.137	.066	.018	.134	.065	.018	.129	.064	.018	.124	.062	.018	.119	.061	.017		
10.0	.130	.063	.017	.128	.062	.017	.123	.060	.017	.119	.059	.017	.114	.058	.017		

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	.208	.208	.208	.178	.178	.178	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.191	.175	.160	.163	.150	.138	.112	.103	.095	.064	.060	.055	.021	.019	.018	
2.0	.178	.150	.127	.152	.129	.110	.104	.090	.077	.060	.052	.045	.019	.017	.015	
3.0	.167	.132	.104	.143	.114	.090	.098	.079	.063	.057	.046	.037	.018	.015	.012	
4.0	.158	.118	.087	.135	.102	.076	.093	.071	.053	.054	.041	.031	.017	.014	.010	
5.0	.150	.106	.074	.128	.092	.065	.088	.064	.046	.051	.038	.027	.017	.012	.009	
6.0	.142	.097	.065	.122	.084	.057	.084	.059	.040	.049	.035	.024	.016	.011	.008	
7.0	.136	.090	.058	.117	.078	.050	.081	.055	.036	.047	.032	.021	.015	.011	.007	
8.0	.130	.084	.052	.112	.073	.046	.078	.051	.032	.045	.030	.019	.015	.010	.006	
9.0	.125	.079	.048	.108	.069	.042	.075	.048	.030	.043	.028	.018	.014	.009	.006	
10.0	.120	.075	.044	.103	.065	.039	.072	.046	.028	.042	.027	.016	.014	.009	.005	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO025-61					TYPE:50D					WEIGHT:				
SPEC.:3000K CRI90					DIM.:					SERIAL No.:				
MFR.:					SUR.:90					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					21.3	22.4	21.6	22.6	22.8	20.4	21.5	20.6	21.7	21.9
3H					21.7	22.7	22.0	22.9	23.2	20.7	21.6	21.0	21.9	22.1
4H					21.8	22.7	22.1	23.0	23.3	20.7	21.6	21.0	21.9	22.2
6H					21.8	22.7	22.2	23.0	23.3	20.7	21.5	21.0	21.8	22.1
8H					21.8	22.7	22.2	23.0	23.3	20.6	21.5	21.0	21.8	22.1
12H					21.8	22.6	22.1	22.9	23.2	20.6	21.4	21.0	21.7	22.0
4H 2H					21.4	22.3	21.7	22.6	22.8	20.5	21.4	20.8	21.7	22.0
3H					21.9	22.7	22.2	23.0	23.3	20.9	21.7	21.3	22.0	22.4
4H					22.0	22.8	22.4	23.1	23.5	21.0	21.7	21.4	22.1	22.5
6H					22.1	22.7	22.5	23.1	23.5	21.0	21.7	21.4	22.0	22.4
8H					22.1	22.7	22.5	23.1	23.5	21.0	21.6	21.4	22.0	22.4
12H					22.1	22.6	22.5	23.0	23.5	20.9	21.5	21.4	21.9	22.3
8H 4H					22.0	22.6	22.4	23.0	23.4	21.0	21.6	21.4	22.0	22.4
6H					22.1	22.6	22.6	23.0	23.5	21.1	21.5	21.5	22.0	22.5
8H					22.1	22.5	22.6	23.0	23.5	21.0	21.5	21.5	21.9	22.4
12H					22.1	22.5	22.6	22.9	23.5	21.0	21.4	21.5	21.8	22.4
12H 4H					21.9	22.5	22.4	22.9	23.3	21.0	21.5	21.4	21.9	22.4
6H					22.1	22.5	22.5	22.9	23.4	21.0	21.5	21.5	21.9	22.4
8H					22.1	22.4	22.6	22.9	23.5	21.0	21.4	21.5	21.9	22.4
Variations with the observer position at spacings:														
S = 1.0H					+ 1.0 / - 1.4					+ 1.1 / - 1.6				
1.5H					+ 1.4 / - 1.0					+ 1.2 / - 1.2				
2.0H					+ 2.1 / - 1.6					+ 2.0 / - 1.6				

CIE Pub.117, 1783 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

### UTILIZATION FACTORS TABLE

NAME: TLO025-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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	76	68	63	76	68	63	75	67	63	58
0.80	85	77	72	84	77	72	82	76	72	67
1.00	91	84	79	90	83	79	88	83	78	73
1.25	96	90	85	95	89	84	93	87	83	78
1.50	100	94	89	98	93	89	96	91	87	81
2.00	104	99	94	102	97	94	99	95	92	85
2.50	106	101	98	104	100	96	101	97	94	87
3.00	108	104	101	106	102	99	102	99	97	89
4.00	111	107	104	109	106	103	104	102	100	92
5.00	113	110	107	110	107	105	106	104	102	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

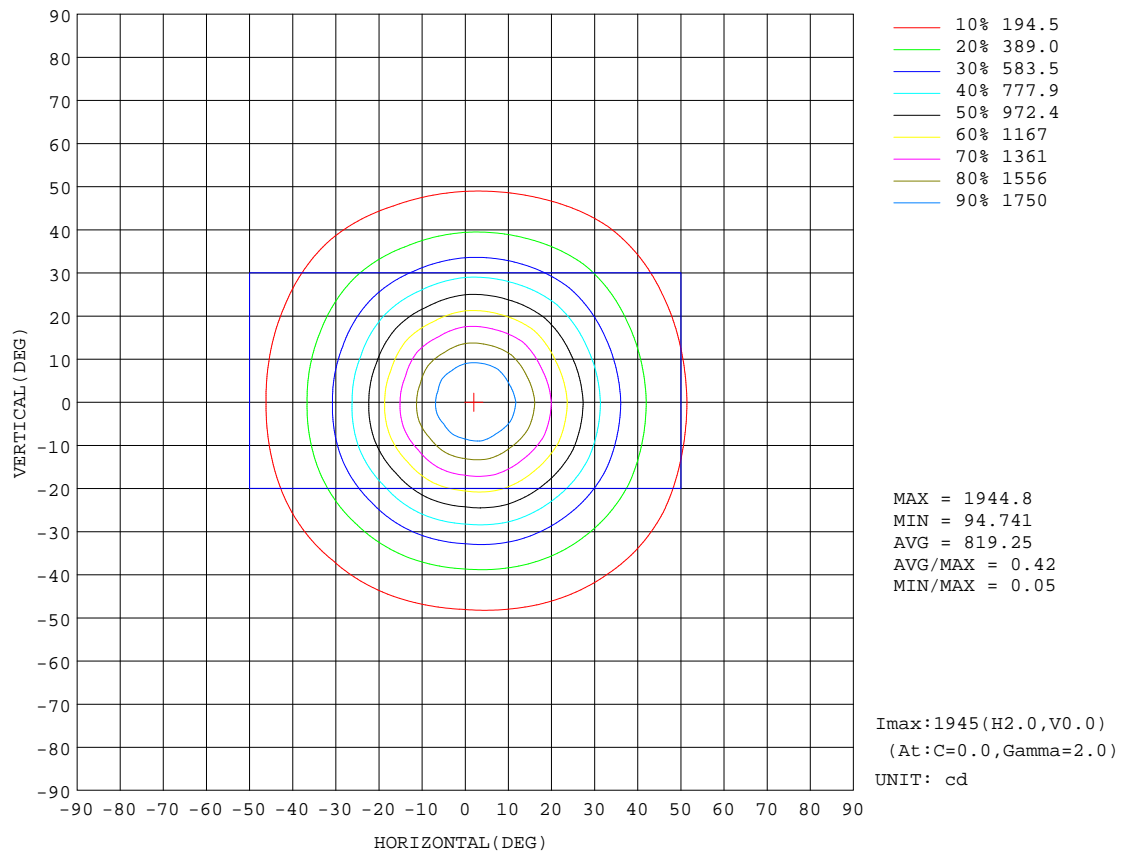
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$\gamma$  Range: 0 - 180DEG  
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 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
 Humidity:65.0%  
 Test Distance:5.190m [K=1.0000]  
 Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

### ISOCANDELA DIAGRAM

NAME: TLO025-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
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γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

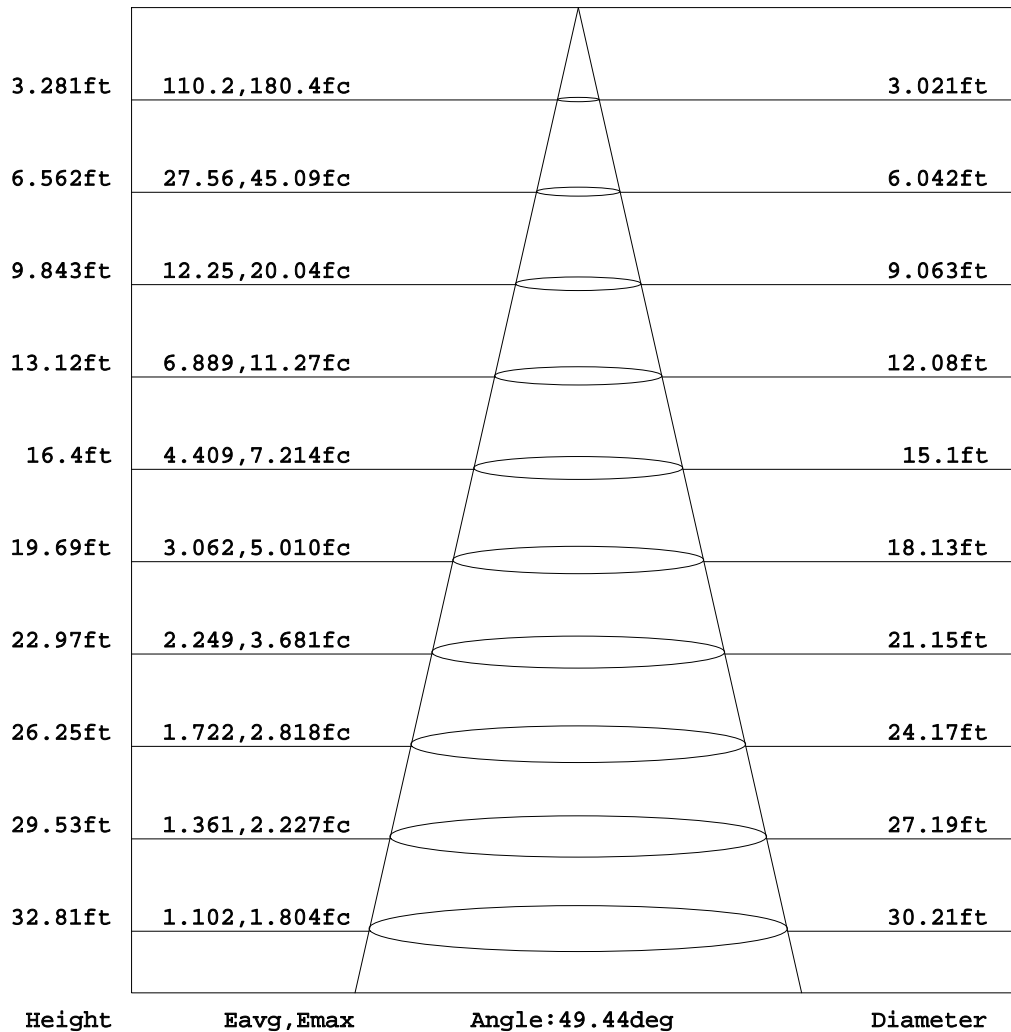


TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

### AAI Figure

NAME: TLO025-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

Flux out:810.5 lm



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

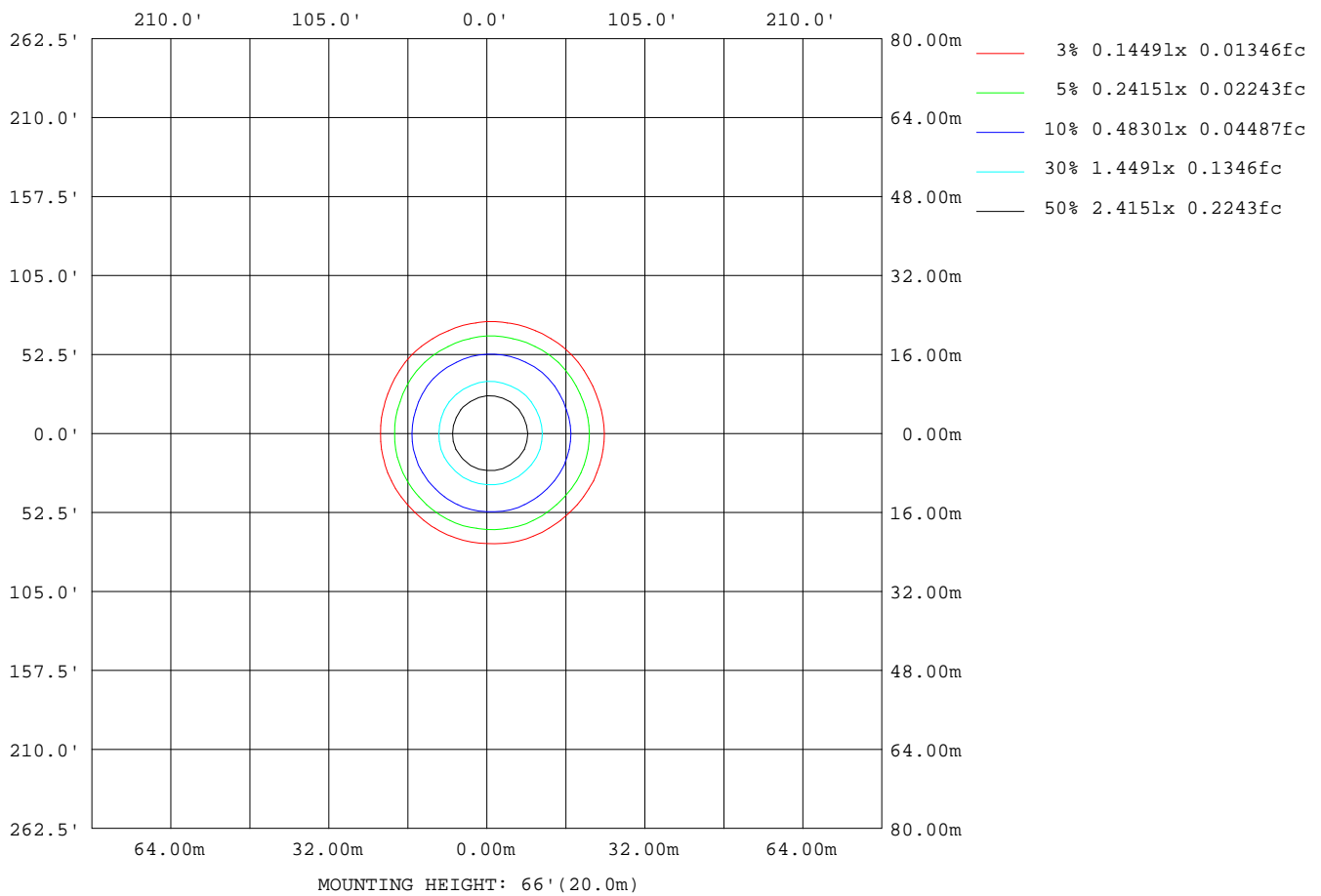
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γ Range: 0 - 180DEG  
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

### ISOLUX DIAGRAM

NAME: TLO025-61	TYPE: 50D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 28DEG  
Operators: LXJ  
Test Date: 2024-12-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

### LED Avg.L Report

NAME: TLO025-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

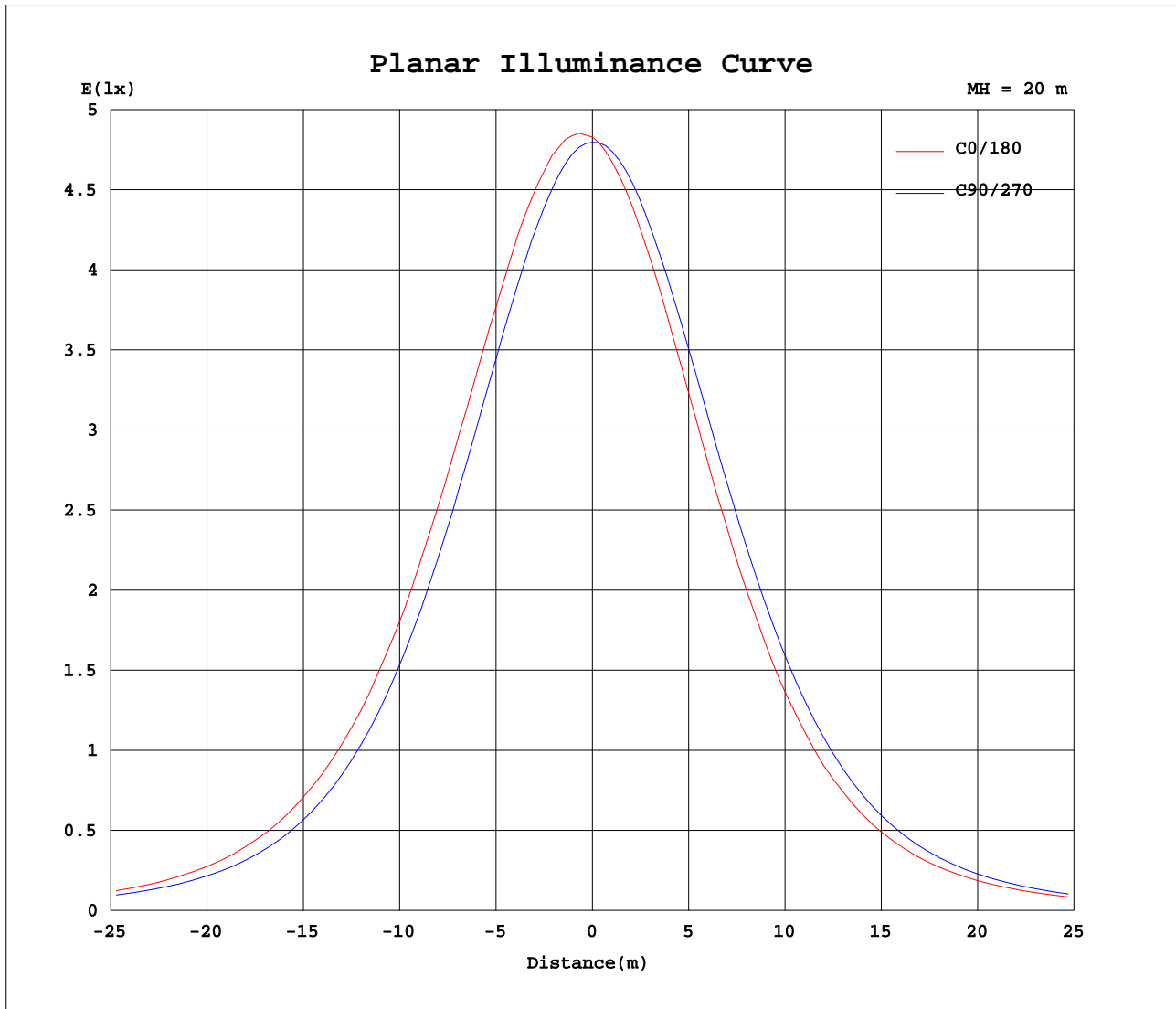
AvgL	cd/m2
L_0~180(65)av	16803
L_0~180(75)av	9734
L_0~180(85)av	2837
L_90~270(65)av	16148
L_90~270(75)av	9005
L_90~270(85)av	1411
L_45(65)av	15966
L_45(75)av	9321
L_45(85)av	1838

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 28DEG  
 Operators: LXJ  
 Test Date: 2024-12-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
 Humidity: 65.0%  
 Test Distance: 5.190m [K=1.0000]  
 Remarks:

TLO025-61 36V600mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO025-61	TYPE: 50D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

Table--1

UNIT: cd

C(°) γ (°)	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	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922			
5	1918	1914	1897	1885	1860	1845	1825	1823	1809	1815	1833	1850	1872	1887	1906	1910			
10	1805	1797	1757	1743	1696	1669	1637	1629	1611	1615	1651	1675	1715	1744	1782	1787			
15	1604	1595	1544	1519	1465	1437	1392	1386	1361	1363	1413	1435	1493	1525	1572	1579			
20	1352	1349	1285	1264	1198	1170	1122	1116	1090	1095	1151	1168	1234	1266	1325	1326			
25	1086	1086	1026	999	937	909	864	859	832	839	890	909	970	1004	1057	1063			
30	836	834	784	753	700	675	642	632	613	620	659	681	731	762	808	813			
35	620	613	574	546	505	483	454	450	436	442	474	489	529	557	593	601			
40	442	437	409	384	354	337	319	313	304	309	333	344	373	394	422	427			
45	310	305	282	266	246	232	217	216	211	215	231	240	259	274	295	298			
50	215	210	193	183	169	160	149	150	147	150	159	166	180	189	204	205			
55	148	145	133	126	116	110	103	103	101	103	110	115	124	131	140	141			
60	102	98.8	90.0	86.4	79.5	75.0	69.4	69.9	69.1	70.5	75.4	78.5	85.7	89.3	95.8	97.3			
65	69.4	67.2	60.2	58.4	53.3	49.9	45.1	46.2	45.6	46.3	49.7	52.3	57.3	59.1	63.6	66.0			
70	45.6	44.2	39.2	37.6	33.1	31.2	28.1	28.6	27.7	28.5	30.9	32.9	36.0	37.1	40.1	43.3			
75	26.7	25.9	23.2	21.0	18.1	16.4	14.8	14.8	14.1	14.7	16.8	17.5	19.6	19.9	23.3	24.8			
80	13.4	12.7	9.60	9.54	7.12	6.34	4.91	4.98	4.18	4.84	5.93	7.17	8.21	7.82	9.15	11.5			
85	3.39	2.97	2.11	1.59	0.83	0.73	0.70	0.69	0.62	0.60	0.76	0.77	1.16	1.19	1.62	2.14			
90	0.69	0.75	0.76	0.79	0.79	0.83	0.84	0.87	0.80	0.76	0.73	0.68	0.67	0.62	0.61	0.59			
95	0.88	0.93	0.94	0.98	1.02	1.08	1.12	1.16	1.09	1.04	0.99	0.93	0.89	0.83	0.81	0.79			
100	1.19	1.22	1.27	1.32	1.39	1.46	1.53	1.57	1.49	1.44	1.36	1.29	1.21	1.15	1.11	1.09			
105	1.62	1.66	1.72	1.79	1.90	1.98	2.09	2.13	2.05	1.99	1.85	1.78	1.66	1.59	1.51	1.50			
110	2.20	2.23	2.35	2.43	2.60	2.69	2.86	2.89	2.80	2.73	2.54	2.45	2.28	2.19	2.08	2.07			
115	2.99	3.03	3.18	3.29	3.52	3.64	3.86	3.90	3.79	3.70	3.46	3.35	3.12	2.99	2.84	2.84			
120	4.01	4.05	4.26	4.40	4.70	4.85	5.13	5.18	5.06	4.94	4.64	4.49	4.20	4.06	3.84	3.85			
125	5.33	5.36	5.61	5.78	6.13	6.34	6.64	6.74	6.60	6.44	6.13	5.90	5.59	5.38	5.14	5.12			
130	6.89	6.93	7.18	7.40	7.83	8.06	8.40	8.51	8.38	8.18	7.83	7.57	7.21	6.95	6.69	6.64			
135	8.67	8.72	8.98	9.27	9.71	9.95	10.3	10.5	10.3	10.1	9.70	9.40	9.03	8.71	8.45	8.38			
140	10.6	10.6	10.9	11.2	11.7	11.9	12.3	12.4	12.3	12.1	11.6	11.4	11.0	10.7	10.3	10.3			
145	12.5	12.6	12.8	13.1	13.6	13.8	14.1	14.3	14.1	13.9	13.5	13.3	12.9	12.6	12.2	12.2			
150	14.3	14.4	14.6	14.8	15.2	15.4	15.7	15.9	15.7	15.5	15.2	15.0	14.6	14.3	14.0	14.0			
155	15.8	15.8	16.0	16.3	16.6	16.7	17.0	17.1	16.9	16.7	16.5	16.3	16.1	15.8	15.5	15.4			
160	16.8	16.8	17.1	17.4	17.6	17.7	17.8	17.8	17.7	17.5	17.4	17.3	17.2	16.9	16.6	16.5			
165	17.7	17.7	17.8	18.1	18.3	18.3	18.3	18.3	18.3	18.2	18.0	18.0	17.9	17.7	17.4	17.4			
170	18.3	18.2	18.3	18.4	18.5	18.5	18.6	18.8	18.7	18.7	18.5	18.4	18.3	18.2	18.1	18.0			
175	18.8	18.8	18.9	18.8	18.7	18.8	19.1	19.1	19.1	19.2	19.1	18.8	18.7	18.8	18.8	18.7			
180	19.3	19.3	19.3	19.1	19.0	19.0	19.3	19.2	19.3	19.2	19.4	19.1	19.0	19.0	19.3	19.2			

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