

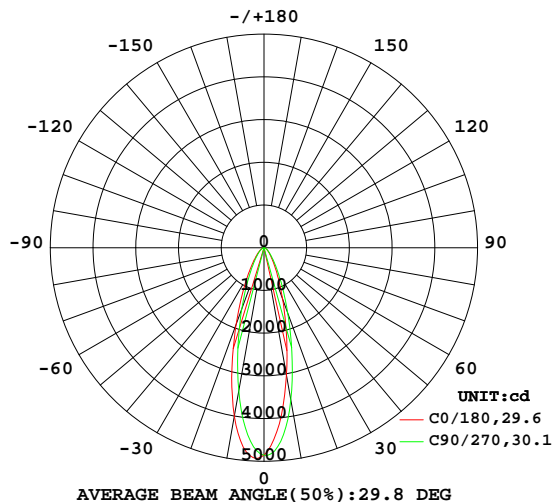
TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

## LUMINAIRE PHOTOMETRIC TEST REPORT

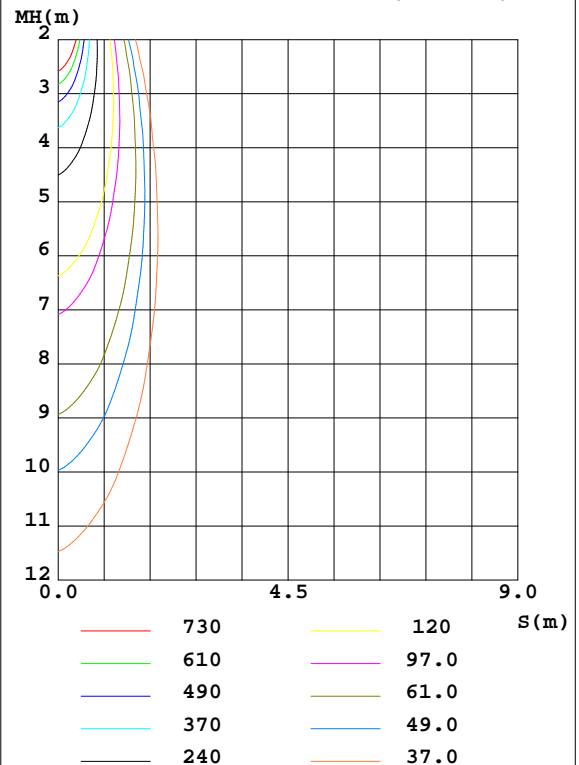
NAME: TLO030-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.38 lm/W			
MODEL		Imax(cd)	4971	S/MH(C0/180)	0.57
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.48
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2194.4	$\eta$ UP,DN(C0-180)	1.2,49.0
NOMINAL FLUX(lm)	2194.38	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.2,48.6
LAMPS INSIDE	1	$\eta$ up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	$\eta$ down(%)	97.6	CIBSE SHR MAX	0.55

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:2024-11-15

$\gamma$  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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3038	3216	3622	3982	4009	3848	3407	3073	0- 10	395.6	395.6	18.18
20	1275	1393	1631	1870	1908	1821	1527	1308	10- 20	677.0	1073	48.9,48.9
30	510.8	560.0	649.4	750.7	769.0	738.0	613.8	538.1	20- 30	470.6	1543	70.3,70.3
40	237.0	248.8	281.5	328.6	337.6	320.2	274.2	245.0	30- 40	268.5	1812	82.6,82.6
50	125.7	126.3	144.9	164.3	168.2	159.9	143.3	129.2	40- 50	157.2	1969	89.7,89.7
60	66.88	66.34	78.10	86.97	90.46	85.34	76.45	67.92	50- 60	96.41	2065	94.1,94.1
70	28.99	28.81	34.36	40.08	42.09	37.88	32.63	29.15	60- 70	53.75	2119	96.6,96.6
80	4.755	5.426	7.530	9.615	12.07	8.002	5.317	5.218	70- 80	20.62	2140	97.5,97.5
90	0.9083	0.9170	0.9316	0.8583	0.6812	0.6893	0.7533	0.8023	80- 90	2.483	2142	97.6,97.6
100	1.490	1.443	1.326	1.226	1.107	1.122	1.245	1.352	90-100	1.110	2143	97.7,97.7
110	2.595	2.501	2.260	2.067	1.875	1.918	2.128	2.355	100-110	1.797	2145	97.8,97.8
120	4.911	4.714	4.208	3.752	3.393	3.532	4.001	4.458	110-120	3.006	2148	97.9,97.9
130	9.707	9.324	8.339	7.381	6.781	7.092	8.059	8.937	120-130	5.275	2153	98.1,98.1
140	17.03	16.46	15.18	13.85	13.10	13.56	14.97	16.13	130-140	8.780	2162	98.5,98.5
150	23.46	23.08	22.26	21.30	20.58	20.93	22.08	22.88	140-150	11.67	2174	99.1,99.1
160	25.33	25.54	25.86	25.52	25.08	25.20	25.65	25.26	150-160	11.14	2185	99.6,99.6
170	23.33	23.62	24.63	25.01	24.95	24.75	24.26	23.37	160-170	7.144	2192	99.9,99.9
180	23.07	23.44	23.09	23.37	23.09	23.45	23.11	23.39	170-180	2.258	2194	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

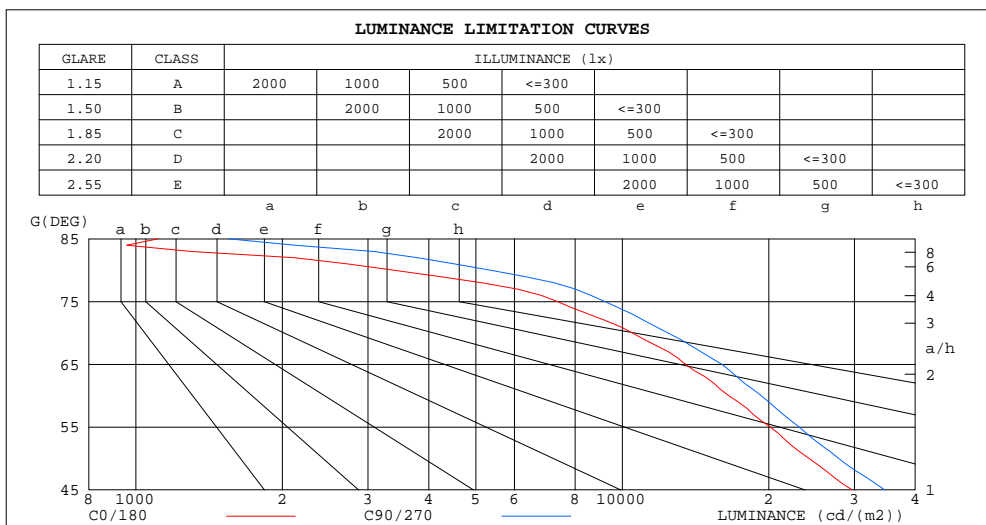
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:LXJ  
 Test Date:2024-11-15

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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

## LUMINANCE LIMITATION CURVES

NAME: TLO030-61	TYPE: 30D	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: 2024-11-15

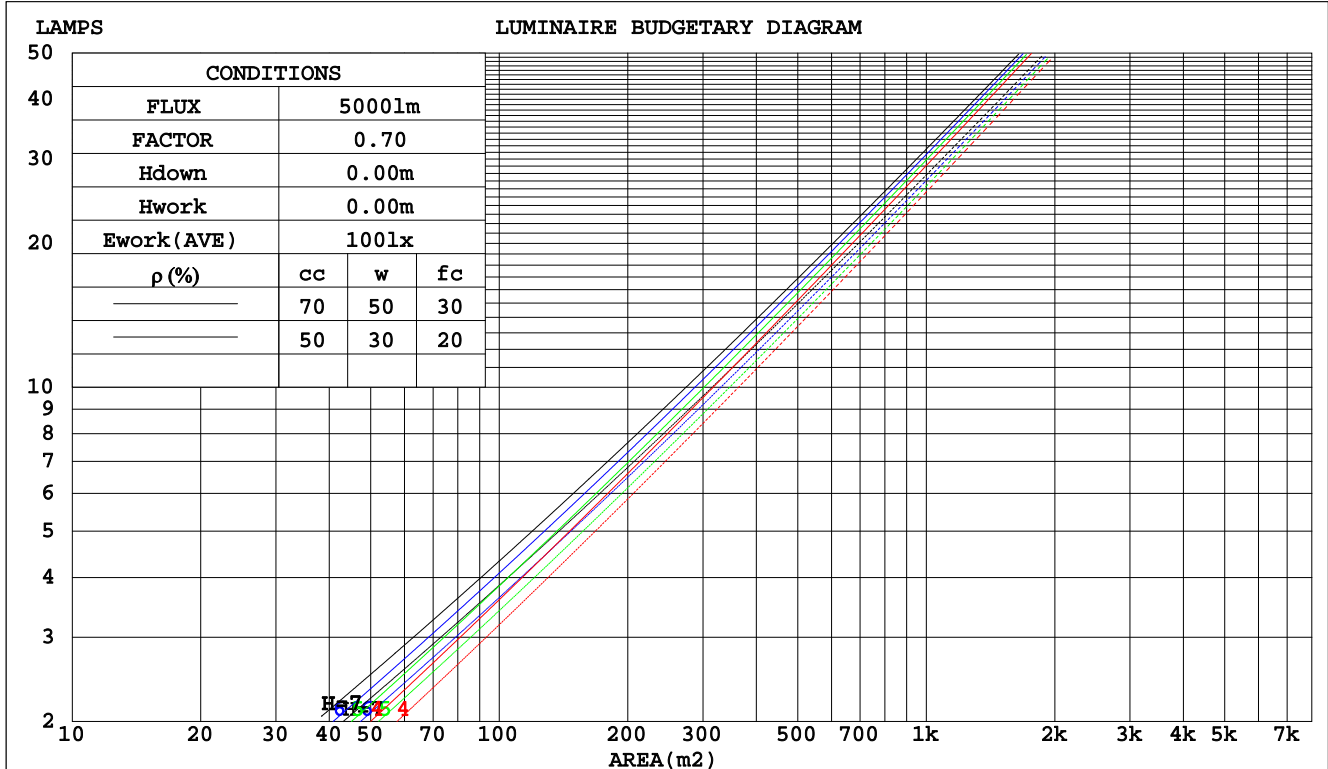
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO030-61	TYPE:30D	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	1.10	1.07	1.05	1.07	1.05	1.03	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.02	.98	.94	.00	.96	.93	.96	.93	.91	.93	.90	.88	.90	.88	.86	.84
3.0	.95	.90	.86	.93	.89	.85	.90	.87	.83	.88	.84	.82	.85	.82	.80	.79
4.0	.89	.83	.79	.88	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.73
5.0	.84	.78	.73	.82	.77	.73	.80	.76	.72	.79	.74	.71	.77	.73	.70	.69
6.0	.79	.73	.69	.78	.72	.68	.76	.71	.68	.75	.70	.67	.73	.69	.66	.65
7.0	.75	.69	.65	.74	.68	.64	.72	.67	.64	.71	.67	.63	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.63	.60	.67	.63	.60	.58
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.60	.57	.64	.60	.57	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.61	.57	.54	.53



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-11-15

$\gamma$  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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

### WEC AND CCEC

NAME: TLO030-61	TYPE:30D	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	.185	.105	.033	.178	.101	.032	.164	.094	.030	.151	.087	.028	.139	.081	.026		
2.0	.176	.097	.030	.170	.094	.029	.158	.088	.027	.147	.083	.026	.137	.077	.024		
3.0	.166	.089	.027	.161	.086	.026	.151	.082	.025	.141	.077	.024	.132	.073	.023		
4.0	.157	.081	.024	.152	.080	.024	.143	.076	.023	.135	.072	.022	.127	.069	.021		
5.0	.148	.075	.022	.144	.074	.021	.136	.071	.021	.129	.068	.020	.122	.065	.020		
6.0	.140	.070	.020	.136	.069	.020	.129	.066	.019	.123	.064	.019	.117	.061	.018		
7.0	.132	.065	.019	.129	.064	.018	.123	.062	.018	.117	.060	.017	.112	.058	.017		
8.0	.126	.061	.017	.123	.060	.017	.117	.059	.017	.112	.057	.016	.107	.055	.016		
9.0	.120	.058	.016	.117	.057	.016	.112	.055	.016	.107	.054	.015	.103	.052	.015		
10.0	.114	.055	.015	.112	.054	.015	.107	.052	.015	.103	.051	.015	.099	.050	.014		

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	.209	.209	.209	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.190	.176	.162	.163	.151	.140	.111	.104	.097	.064	.060	.056	.020	.019	.018	
2.0	.175	.151	.130	.150	.130	.113	.103	.090	.079	.059	.052	.046	.019	.017	.015	
3.0	.163	.132	.107	.140	.114	.093	.096	.079	.065	.055	.046	.039	.018	.015	.013	
4.0	.153	.117	.091	.131	.102	.079	.090	.071	.055	.052	.041	.033	.017	.013	.011	
5.0	.144	.106	.078	.123	.092	.068	.085	.064	.048	.049	.038	.028	.016	.012	.009	
6.0	.136	.097	.068	.117	.084	.060	.081	.059	.042	.047	.034	.025	.015	.011	.008	
7.0	.129	.089	.061	.111	.077	.053	.077	.054	.038	.045	.032	.022	.014	.010	.007	
8.0	.123	.083	.055	.106	.072	.048	.073	.050	.034	.043	.030	.020	.014	.010	.007	
9.0	.118	.077	.050	.101	.067	.044	.070	.047	.031	.041	.028	.019	.013	.009	.006	
10.0	.113	.073	.047	.097	.063	.041	.067	.045	.029	.039	.026	.017	.013	.009	.006	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-11-15

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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO030-61					TYPE:30D			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		16.5	17.5	16.8	17.7	17.9	17.2	18.1	17.5	18.3	18.5
3H		17.0	17.8	17.3	18.1	18.3	17.7	18.6	18.0	18.8	19.0
4H		17.1	17.9	17.4	18.2	18.4	17.8	18.6	18.1	18.9	19.2
6H		17.1	17.8	17.4	18.1	18.4	17.8	18.6	18.2	18.9	19.2
8H		17.0	17.8	17.4	18.1	18.4	17.8	18.5	18.2	18.8	19.1
12H		17.0	17.7	17.3	18.0	18.3	17.8	18.5	18.1	18.8	19.1
4H 2H		16.7	17.5	17.0	17.8	18.1	17.3	18.1	17.6	18.4	18.7
3H		17.3	18.0	17.7	18.3	18.6	17.9	18.6	18.3	18.9	19.3
4H		17.4	18.1	17.8	18.4	18.8	18.1	18.7	18.5	19.1	19.4
6H		17.4	18.0	17.9	18.4	18.8	18.1	18.7	18.6	19.1	19.5
8H		17.4	17.9	17.8	18.3	18.7	18.1	18.6	18.5	19.0	19.4
12H		17.3	17.8	17.8	18.2	18.7	18.1	18.5	18.5	19.0	19.4
8H 4H		17.4	17.9	17.8	18.3	18.7	18.0	18.6	18.5	19.0	19.4
6H		17.4	17.9	17.9	18.3	18.8	18.1	18.5	18.6	19.0	19.4
8H		17.4	17.8	17.9	18.2	18.7	18.1	18.5	18.6	18.9	19.4
12H		17.3	17.7	17.8	18.1	18.7	18.0	18.4	18.5	18.8	19.4
12H 4H		17.4	17.8	17.8	18.3	18.7	18.0	18.5	18.4	18.9	19.3
6H		17.4	17.8	17.9	18.2	18.7	18.1	18.4	18.5	18.9	19.4
8H		17.3	17.7	17.9	18.2	18.7	18.0	18.4	18.5	18.8	19.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.8 / - 1.1					+ 0.9 / - 1.1				
1.5H		+ 0.9 / - 0.7					+ 1.4 / - 0.8				
2.0H		+ 1.5 / - 1.2					+ 1.6 / - 1.3				

CIE Pub.117, 2194 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 2.7$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-11-15

$\gamma$  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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

### UTILIZATION FACTORS TABLE

NAME: TLO030-61	TYPE:30D	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	81	73	69	80	73	69	79	73	68	64
0.80	89	82	77	88	81	77	86	81	77	72
1.00	94	87	83	93	87	83	91	87	82	77
1.25	99	93	88	97	92	88	95	90	87	82
1.50	102	96	92	100	95	92	98	94	90	85
2.00	105	100	97	104	99	96	101	97	94	88
2.50	108	103	100	106	102	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	91
4.00	112	109	106	110	107	104	105	103	101	93
5.00	113	111	108	111	109	107	106	105	103	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNM = 1.25		

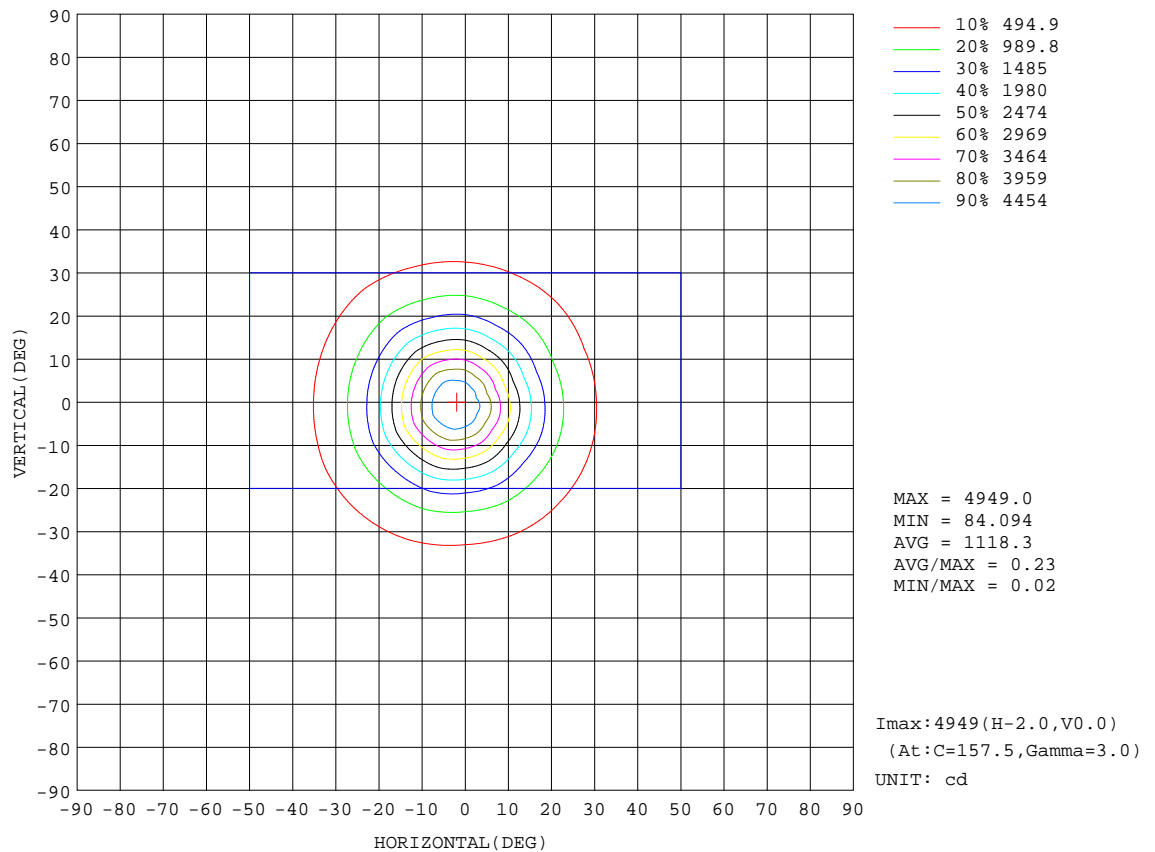
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C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-11-15

$\gamma$  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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

### ISOCANDELA DIAGRAM

NAME: TLO030-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:



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C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 28DEG  
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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:

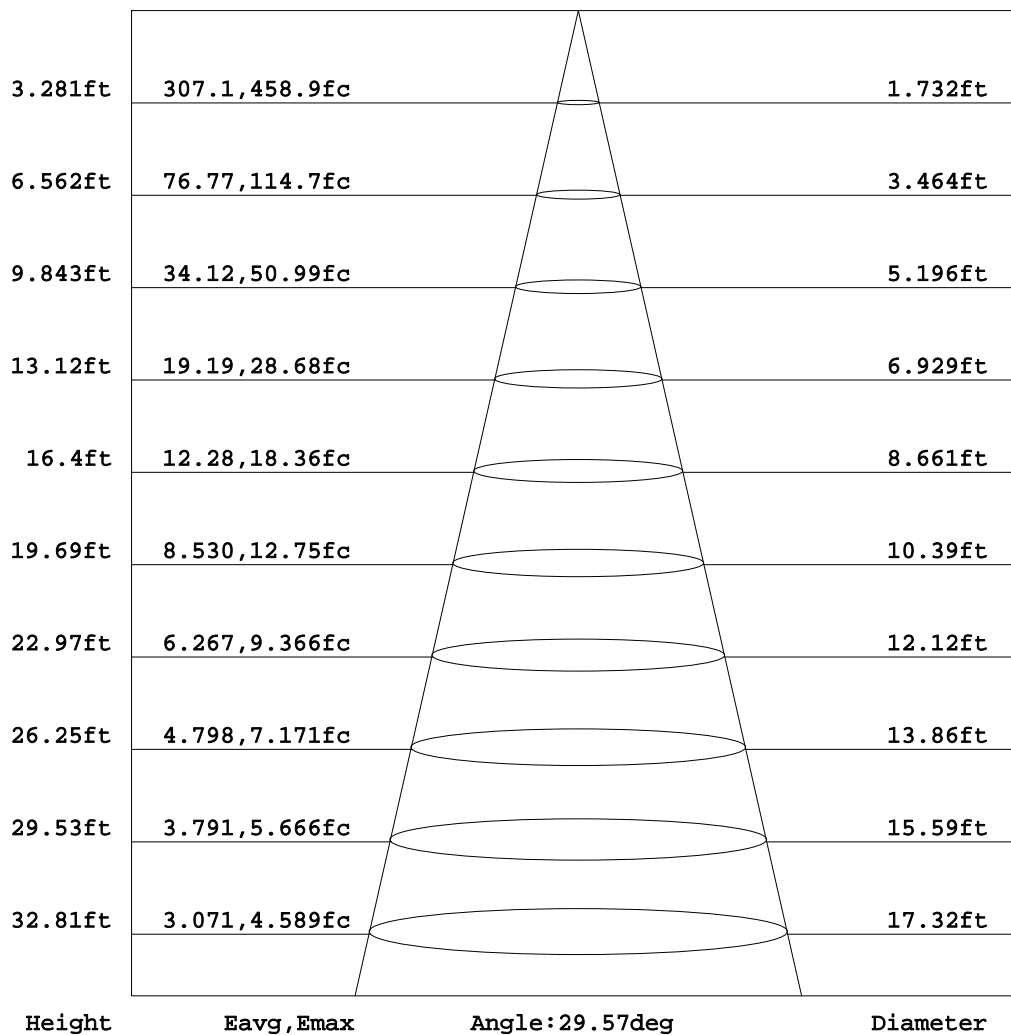


TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

### AAI Figure

NAME: TLO030-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

Flux out:745.6 lm



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

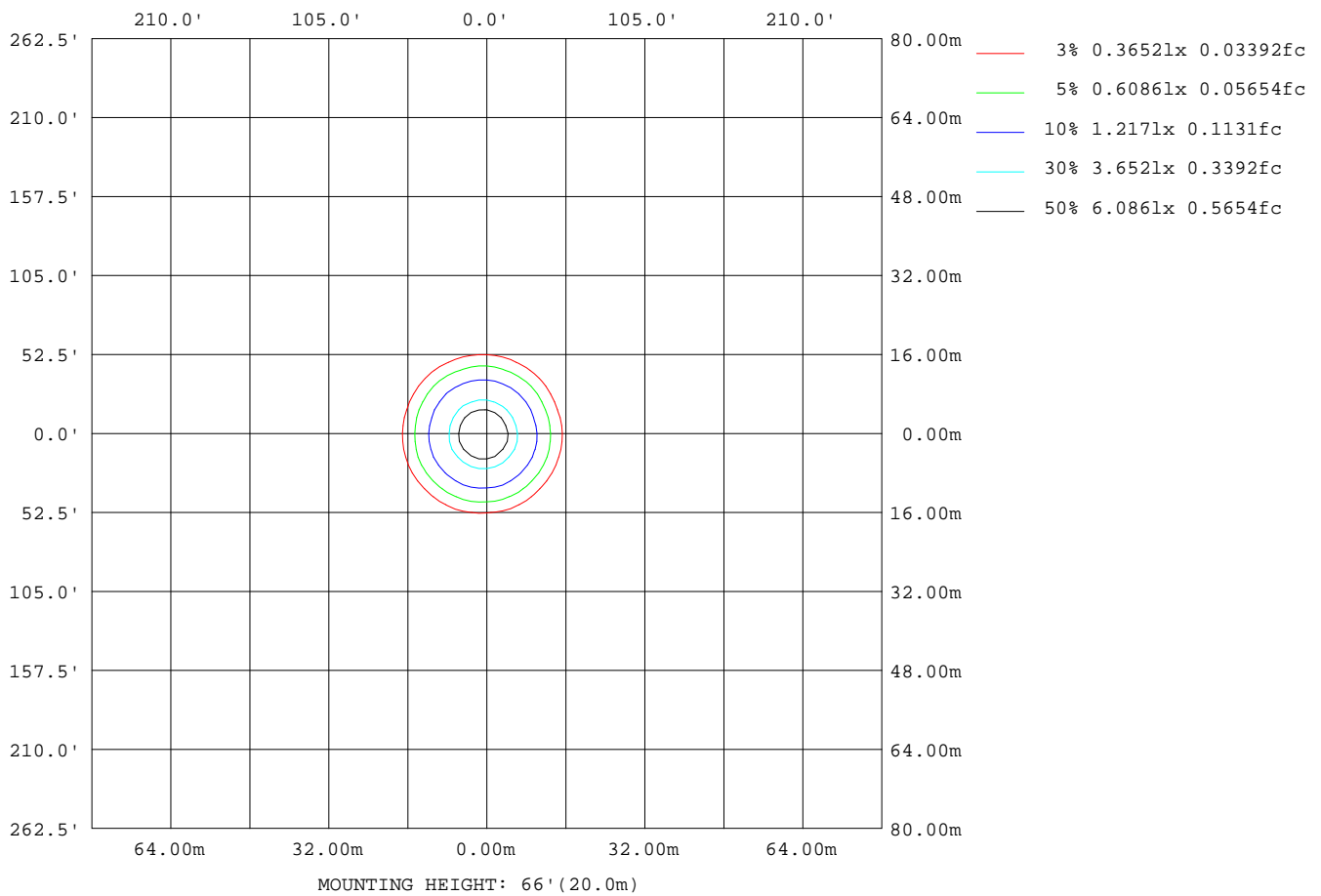
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Temperature:28DEG  
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γ Range: 0 - 180DEG  
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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

### ISOLUX DIAGRAM

NAME: TLO030-61	TYPE: 30D	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: 2024-11-15

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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

## LED Avg.L Report

NAME: TLO030-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

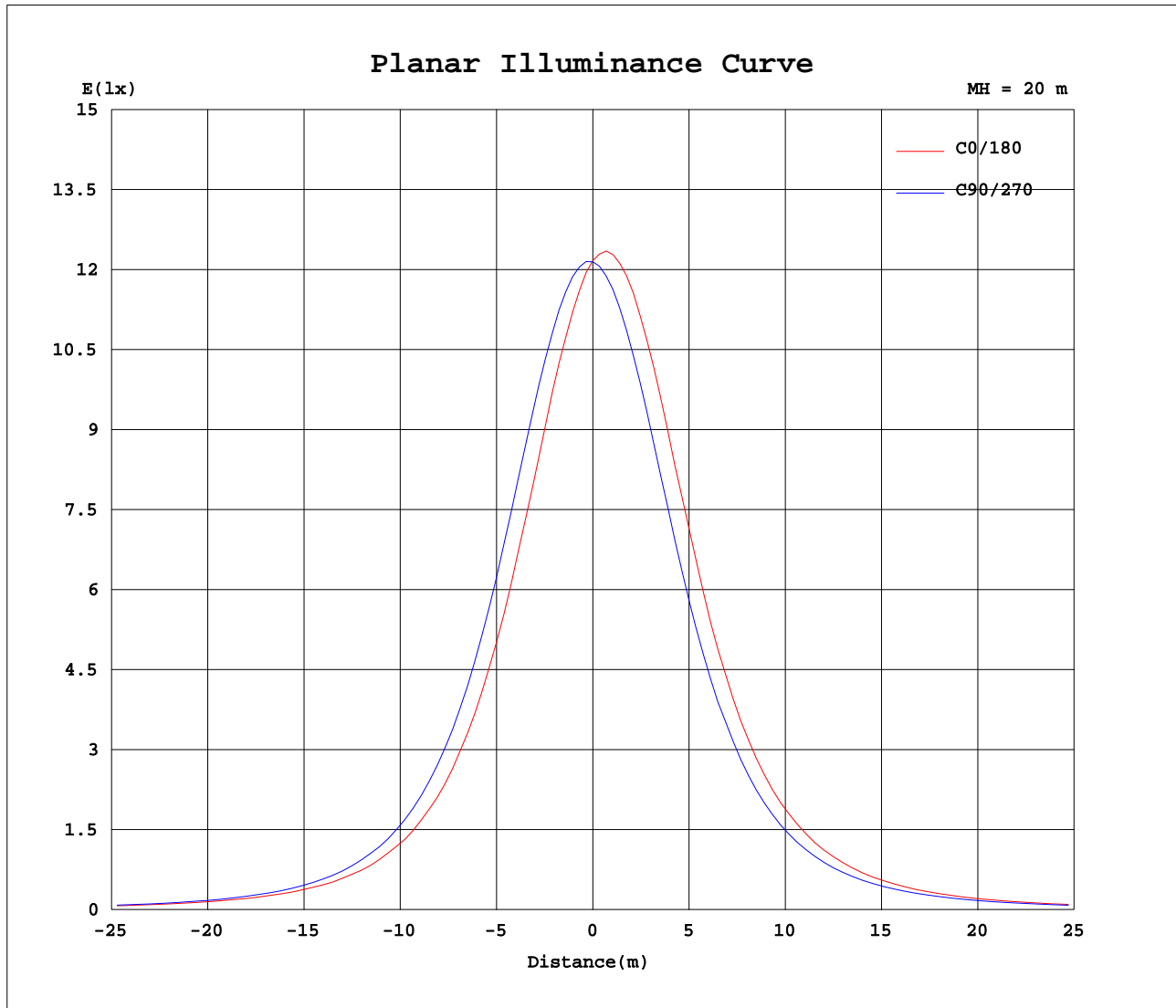
AvgL	cd/m2
L_0~180(65)av	16147
L_0~180(75)av	9517
L_0~180(85)av	2178
L_90~270(65)av	15653
L_90~270(75)av	8631
L_90~270(85)av	1228
L_45(65)av	15466
L_45(75)av	8823
L_45(85)av	1616

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-11-15

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: 2024-11-15

$\gamma$  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:

TLO030-61 36V700mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO030-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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	4856	4856	4856	4856	4856	4856	4856	4856	4856	4856	4856	4856	4856	4856	4856	4856			
5	4138	4203	4260	4423	4548	4702	4787	4872	4796	4737	4680	4511	4395	4239	4164	4076			
10	3038	3151	3216	3465	3622	3867	3982	4124	4009	3914	3848	3597	3407	3182	3073	2956			
15	2024	2119	2191	2402	2530	2766	2862	3020	2908	2814	2770	2514	2347	2143	2049	1944			
20	1275	1350	1393	1551	1631	1802	1870	1997	1908	1846	1821	1629	1527	1368	1308	1227			
25	798	849	879	974	1023	1136	1180	1268	1208	1171	1157	1030	961	869	832	773			
30	511	539	560	614	649	717	751	803	769	748	738	664	614	562	538	499			
35	340	352	365	396	419	462	489	519	501	488	479	429	402	371	356	333			
40	237	241	249	267	282	309	329	348	338	328	320	290	274	255	245	231			
45	170	172	173	188	198	215	229	240	234	228	222	204	195	182	176	167			
50	126	126	126	137	145	156	164	172	168	164	160	149	143	134	129	124			
55	93.4	92.7	92.9	100	107	115	120	125	123	119	117	110	106	99.1	94.8	91.1			
60	66.9	67.0	66.3	72.5	78.1	83.7	87.0	91.5	90.5	87.1	85.3	79.3	76.4	71.4	67.9	65.3			
65	46.0	46.3	45.0	50.8	54.8	59.1	60.8	65.3	64.5	61.6	59.7	54.3	52.4	48.5	46.3	44.6			
70	29.0	29.6	28.8	31.9	34.4	38.6	40.1	43.3	42.1	40.8	37.9	34.1	32.6	29.8	29.2	27.9			
75	15.4	15.8	15.1	17.6	19.3	21.9	22.8	25.5	24.5	23.6	21.0	18.0	16.9	16.0	15.1	14.6			
80	4.75	5.29	5.43	6.81	7.53	9.65	9.62	12.8	12.1	10.2	8.00	5.92	5.32	5.25	5.22	4.53			
85	0.78	0.82	0.86	0.97	1.10	1.62	1.94	2.91	2.29	2.21	1.07	0.60	0.64	0.69	0.70	0.66			
90	0.91	0.95	0.92	0.93	0.93	0.90	0.86	0.83	0.68	0.66	0.69	0.70	0.75	0.76	0.80	0.81			
95	1.16	1.15	1.12	1.09	1.04	1.01	0.96	0.96	0.86	0.84	0.87	0.89	0.96	1.00	1.03	1.06			
100	1.49	1.48	1.44	1.39	1.33	1.29	1.23	1.22	1.11	1.10	1.12	1.17	1.25	1.30	1.35	1.39			
105	1.95	1.92	1.89	1.79	1.72	1.64	1.59	1.55	1.44	1.43	1.46	1.53	1.62	1.72	1.77	1.84			
110	2.60	2.54	2.50	2.35	2.26	2.14	2.07	2.00	1.87	1.89	1.92	2.03	2.13	2.27	2.36	2.47			
115	3.54	3.45	3.40	3.18	3.05	2.85	2.76	2.63	2.49	2.52	2.57	2.75	2.87	3.09	3.19	3.36			
120	4.91	4.80	4.71	4.41	4.21	3.88	3.75	3.57	3.39	3.46	3.53	3.82	4.00	4.30	4.46	4.67			
125	6.93	6.75	6.64	6.18	5.90	5.45	5.22	5.00	4.77	4.87	5.00	5.38	5.67	6.09	6.31	6.65			
130	9.71	9.48	9.32	8.70	8.34	7.66	7.38	7.06	6.78	6.95	7.09	7.66	8.06	8.65	8.94	9.39			
135	13.2	12.9	12.7	12.0	11.5	10.7	10.3	9.94	9.58	9.75	9.99	10.6	11.2	11.9	12.3	12.8			
140	17.0	16.7	16.5	15.7	15.2	14.4	13.9	13.5	13.1	13.3	13.6	14.3	15.0	15.7	16.1	16.7			
145	20.6	20.3	20.1	19.4	19.0	18.2	17.7	17.4	17.0	17.1	17.4	18.2	18.8	19.5	19.8	20.3			
150	23.5	23.2	23.1	22.6	22.3	21.6	21.3	21.1	20.6	20.7	20.9	21.6	22.1	22.7	22.9	23.2			
155	25.1	24.9	25.0	24.8	24.7	24.3	24.0	23.9	23.4	23.4	23.7	24.2	24.5	24.8	24.7	25.0			
160	25.3	25.3	25.5	25.7	25.9	25.7	25.5	25.5	25.1	25.0	25.2	25.5	25.7	25.6	25.3	25.3			
165	24.6	24.5	25.0	25.5	25.8	25.9	25.8	25.9	25.5	25.4	25.5	25.5	25.5	25.1	24.5	24.5			
170	23.3	23.4	23.6	24.2	24.6	24.9	25.0	25.3	24.9	25.0	24.8	24.5	24.3	23.8	23.4	23.3			
175	22.5	22.6	23.0	23.1	23.3	23.7	24.1	24.2	23.9	24.0	24.1	23.5	23.2	23.2	22.9	22.6			
180	23.1	23.1	23.4	23.1	23.1	23.2	23.4	23.2	23.1	23.0	23.5	23.1	23.1	23.2	23.4	23.2			

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