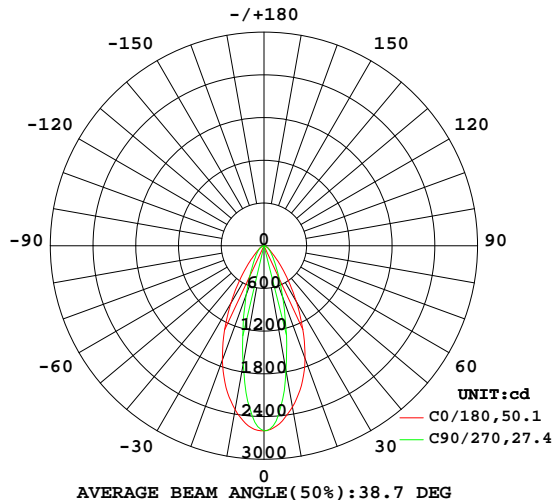


## LUMINAIRE PHOTOMETRIC TEST REPORT

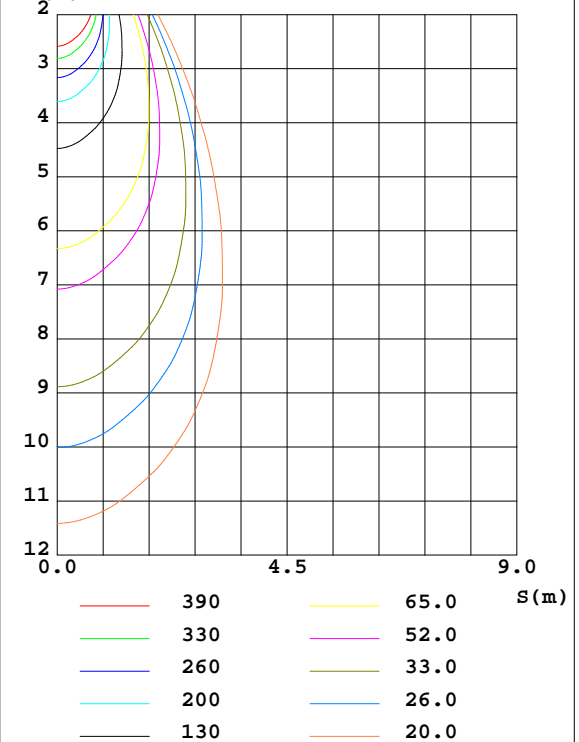
NAME: TLO020-61	TYPE:39D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.18 lm/W			
MODEL		Imax(cd)	2603	S/MH(C0/180)	0.78
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1536.8	$\eta$ UP,DN(C0-180)	1.2,50.0
NOMINAL FLUX(lm)	1536.8	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.2,47.7
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:2024-12-07

$\gamma$  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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 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	2300	1983	1782	2082	2339	1960	1691	1926	0- 10	218.0	218.0	14.2,14.2
20	1686	988.1	769.0	1090	1710	983.8	737.0	977.4	10- 20	424.7	642.8	41.8,41.8
30	912.8	435.2	338.9	485.3	927.1	437.7	322.6	435.1	20- 30	360.4	1003	65.3,65.3
40	360.4	209.0	180.5	228.1	368.4	209.7	175.0	209.0	30- 40	226.9	1230	80,80
50	131.0	110.8	106.0	117.5	136.9	111.8	104.5	111.4	40- 50	129.1	1359	88.4,88.4
60	68.33	61.13	60.94	63.47	68.59	61.20	60.81	61.59	50- 60	77.26	1436	93.5,93.5
70	30.50	27.90	27.08	29.31	31.86	28.21	28.20	27.84	60- 70	44.63	1481	96.4,96.4
80	6.413	5.802	5.770	6.567	6.993	6.489	6.178	5.709	70- 80	17.52	1499	97.5,97.5
90	0.6385	0.6228	0.6098	0.6009	0.5781	0.5458	0.5444	0.5614	80- 90	2.005	1501	97.6,97.6
100	1.127	1.015	0.9676	0.9919	1.027	0.9200	0.9050	0.9670	90-100	0.8378	1501	97.7,97.7
110	2.222	1.772	1.547	1.731	2.009	1.600	1.473	1.724	100-110	1.406	1503	97.8,97.8
120	4.290	3.344	2.639	3.239	3.922	2.991	2.529	3.300	110-120	2.408	1505	97.9,97.9
130	7.396	6.366	4.999	6.132	6.928	5.820	4.866	6.330	120-130	4.067	1509	98.2,98.2
140	11.00	10.59	9.568	10.27	10.58	10.04	9.419	10.54	130-140	6.216	1515	98.6,98.6
150	13.99	14.72	14.82	14.43	13.77	14.28	14.70	14.50	140-150	7.747	1523	99.1,99.1
160	15.32	16.98	17.78	16.62	15.41	16.54	17.70	16.59	150-160	7.241	1530	99.6,99.6
170	16.03	16.81	17.27	16.37	16.36	16.34	17.03	16.57	160-170	4.746	1535	99.9,99.9
180	16.80	16.75	15.95	16.69	16.82	16.78	15.97	16.69	170-180	1.574	1537	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

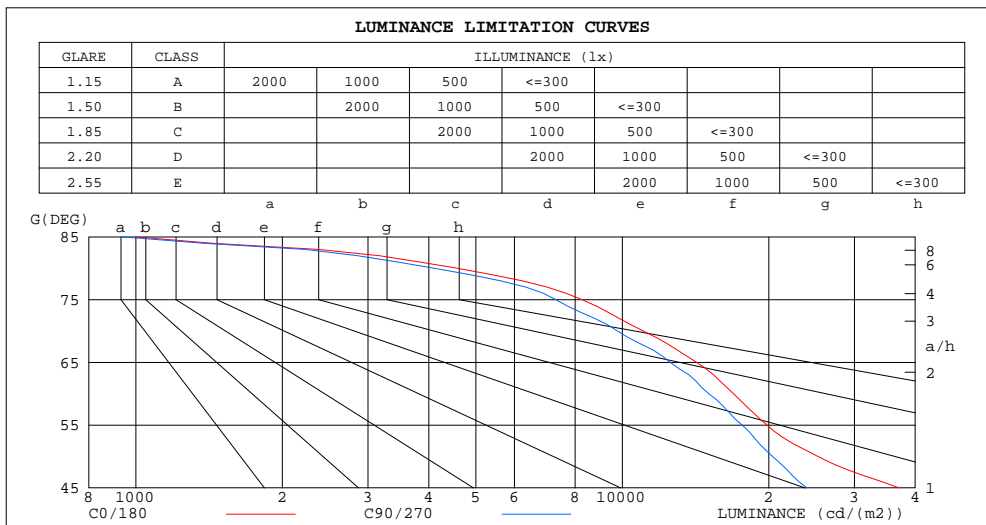
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-07

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

### LUMINANCE LIMITATION CURVES

NAME: TLO020-61	TYPE: 39D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	999	936
80	4571	4101
75	8256	7289
70	11038	9772
65	14214	12545
60	16915	15041
55	19817	17624
50	25227	20352
45	37095	23963

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 28DEG  
Operators: LXJ  
Test Date: 2024-12-07

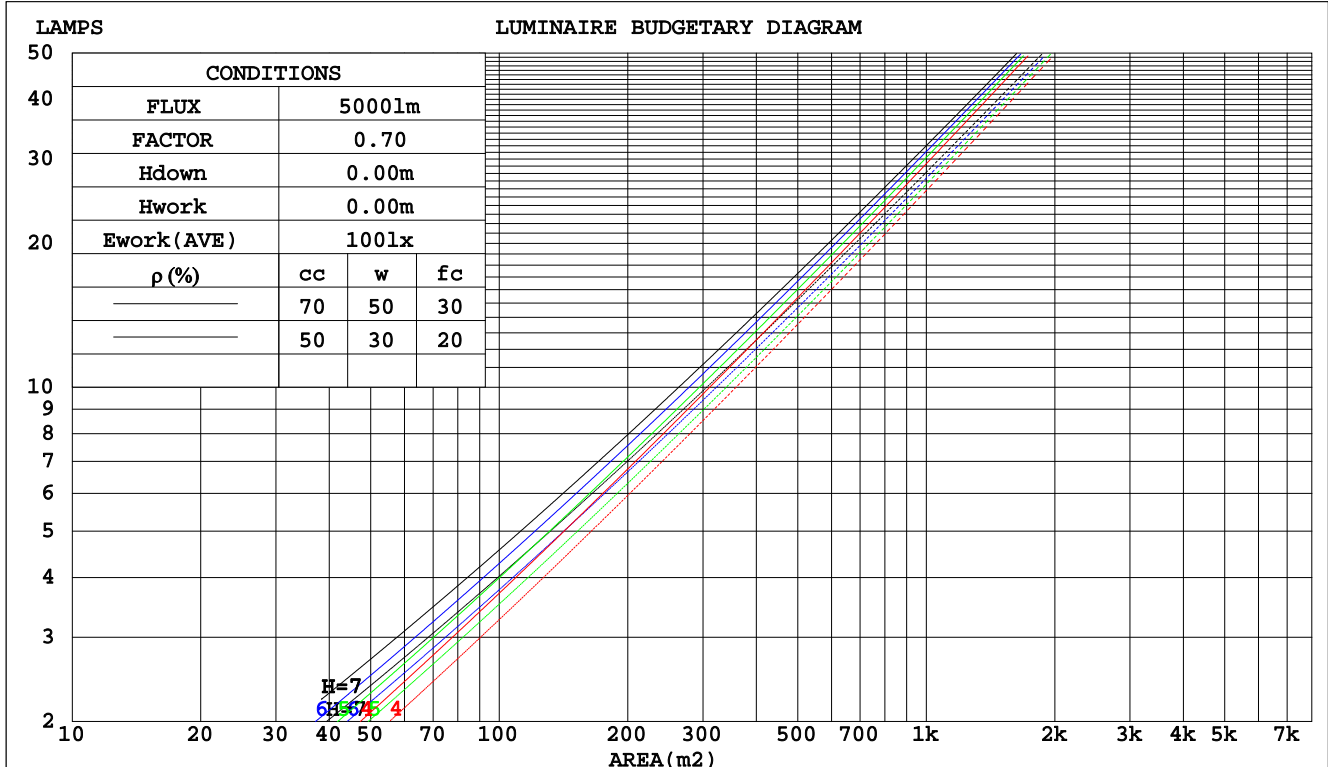
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-61	TYPE:39D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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	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	1.07	1.04	1.07	1.04	1.02	1.02	1.00	.99	.98	.97	.95	.94	.93	.92	.90
2.0	1.01	.96	.93	.99	.95	.92	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.93	.88	.84	.92	.87	.83	.89	.85	.81	.86	.83	.80	.83	.81	.78	.76
4.0	.87	.81	.76	.86	.80	.76	.83	.78	.75	.81	.77	.74	.79	.75	.72	.71
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.72	.68	.74	.71	.68	.66
6.0	.76	.70	.65	.75	.69	.65	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62
7.0	.72	.65	.61	.71	.65	.61	.69	.64	.60	.68	.63	.60	.67	.62	.59	.58
8.0	.68	.62	.57	.67	.61	.57	.66	.60	.57	.64	.60	.56	.63	.59	.56	.55
9.0	.64	.58	.54	.64	.58	.54	.62	.57	.54	.61	.57	.53	.60	.56	.53	.52
10.0	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.58	.53	.50	.49



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-07

$\gamma$  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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

### WEC AND CCEC

NAME: TLO020-61	TYPE:39D	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	.195	.111	.035	.188	.107	.034	.174	.100	.032	.161	.093	.030	.149	.086	.028		
2.0	.187	.102	.031	.180	.099	.031	.168	.094	.029	.157	.088	.028	.147	.083	.026		
3.0	.176	.094	.028	.171	.092	.028	.160	.087	.026	.151	.083	.025	.142	.079	.024		
4.0	.166	.086	.025	.162	.085	.025	.152	.081	.024	.144	.077	.023	.136	.074	.023		
5.0	.157	.080	.023	.153	.078	.023	.145	.075	.022	.137	.072	.022	.130	.070	.021		
6.0	.148	.074	.021	.145	.073	.021	.138	.071	.021	.131	.068	.020	.125	.066	.020		
7.0	.141	.070	.020	.137	.068	.019	.131	.066	.019	.125	.064	.019	.119	.062	.018		
8.0	.133	.065	.018	.130	.064	.018	.125	.062	.018	.119	.061	.017	.114	.059	.017		
9.0	.127	.061	.017	.124	.061	.017	.119	.059	.017	.114	.057	.016	.110	.056	.016		
10.0	.121	.058	.016	.119	.057	.016	.114	.056	.016	.110	.054	.015	.105	.053	.015		

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	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.190	.175	.162	.163	.150	.139	.111	.103	.096	.064	.060	.056	.021	.019	.018	
2.0	.176	.151	.129	.151	.130	.111	.104	.090	.078	.060	.052	.046	.019	.017	.015	
3.0	.165	.132	.106	.141	.114	.092	.097	.079	.064	.056	.046	.038	.018	.015	.012	
4.0	.155	.118	.089	.133	.102	.077	.091	.071	.054	.053	.041	.032	.017	.014	.011	
5.0	.146	.106	.077	.126	.092	.067	.087	.064	.047	.050	.038	.028	.016	.012	.009	
6.0	.139	.097	.067	.119	.084	.058	.082	.059	.041	.048	.035	.025	.015	.011	.008	
7.0	.132	.090	.060	.114	.078	.052	.078	.054	.037	.046	.032	.022	.015	.010	.007	
8.0	.126	.083	.054	.109	.072	.047	.075	.051	.033	.044	.030	.020	.014	.010	.007	
9.0	.121	.078	.049	.104	.068	.043	.072	.048	.031	.042	.028	.018	.014	.009	.006	
10.0	.116	.074	.046	.100	.064	.040	.069	.045	.028	.040	.027	.017	.013	.009	.006	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-07

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-61					TYPE:39D			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		19.6	20.6	19.9	20.8	21.0	17.8	18.8	18.0	19.0	19.2
3H		20.0	20.9	20.3	21.2	21.4	18.4	19.3	18.7	19.5	19.8
4H		20.1	21.0	20.4	21.2	21.5	18.5	19.4	18.8	19.6	19.9
6H		20.1	20.9	20.4	21.2	21.5	18.5	19.3	18.9	19.6	19.9
8H		20.1	20.8	20.4	21.1	21.5	18.5	19.3	18.8	19.6	19.9
12H		20.0	20.8	20.4	21.1	21.4	18.4	19.2	18.8	19.5	19.8
4H	2H	19.7	20.6	20.0	20.8	21.1	18.0	18.9	18.4	19.2	19.4
	3H	20.2	20.9	20.6	21.3	21.6	18.8	19.5	19.1	19.8	20.2
	4H	20.3	21.0	20.7	21.4	21.7	19.0	19.7	19.4	20.0	20.4
	6H	20.4	21.0	20.8	21.3	21.7	19.0	19.6	19.5	20.0	20.4
	8H	20.3	20.9	20.8	21.3	21.7	19.0	19.6	19.4	20.0	20.4
	12H	20.3	20.8	20.7	21.2	21.6	19.0	19.5	19.4	19.9	20.3
8H	4H	20.3	20.8	20.7	21.2	21.7	19.0	19.5	19.4	19.9	20.4
	6H	20.3	20.8	20.8	21.2	21.7	19.1	19.5	19.5	20.0	20.4
	8H	20.3	20.7	20.8	21.2	21.7	19.1	19.5	19.5	19.9	20.4
	12H	20.3	20.6	20.8	21.1	21.6	19.0	19.3	19.5	19.8	20.4
12H	4H	20.2	20.8	20.7	21.2	21.6	18.9	19.5	19.4	19.9	20.3
	6H	20.3	20.7	20.8	21.2	21.7	19.0	19.4	19.5	19.9	20.4
	8H	20.3	20.6	20.8	21.1	21.6	19.0	19.4	19.5	19.8	20.4
Variations with the observer position at spacings:											
S = 1.0H		+ 2.0 / - 1.6					+ 0.6 / - 0.8				
1.5H		+ 3.2 / - 1.3					+ 0.5 / - 0.5				
2.0H		+ 2.5 / - 1.2					+ 1.0 / - 0.9				

CIE Pub.117, 1537 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 1.5$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-07

$\gamma$  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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

### UTILIZATION FACTORS TABLE

NAME: TLO020-61	TYPE:39D	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	79	71	67	78	71	67	77	71	66	62
0.80	87	80	75	86	80	75	85	79	75	70
1.00	93	86	82	92	85	81	90	85	80	76
1.25	98	91	87	97	91	87	94	89	86	80
1.50	101	95	91	100	94	90	97	92	89	84
2.00	105	100	96	103	98	95	100	96	93	87
2.50	107	102	99	105	101	98	102	98	95	88
3.00	109	105	102	107	103	100	103	100	98	90
4.00	112	108	105	109	106	104	105	103	101	93
5.00	113	110	108	111	108	106	106	104	103	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

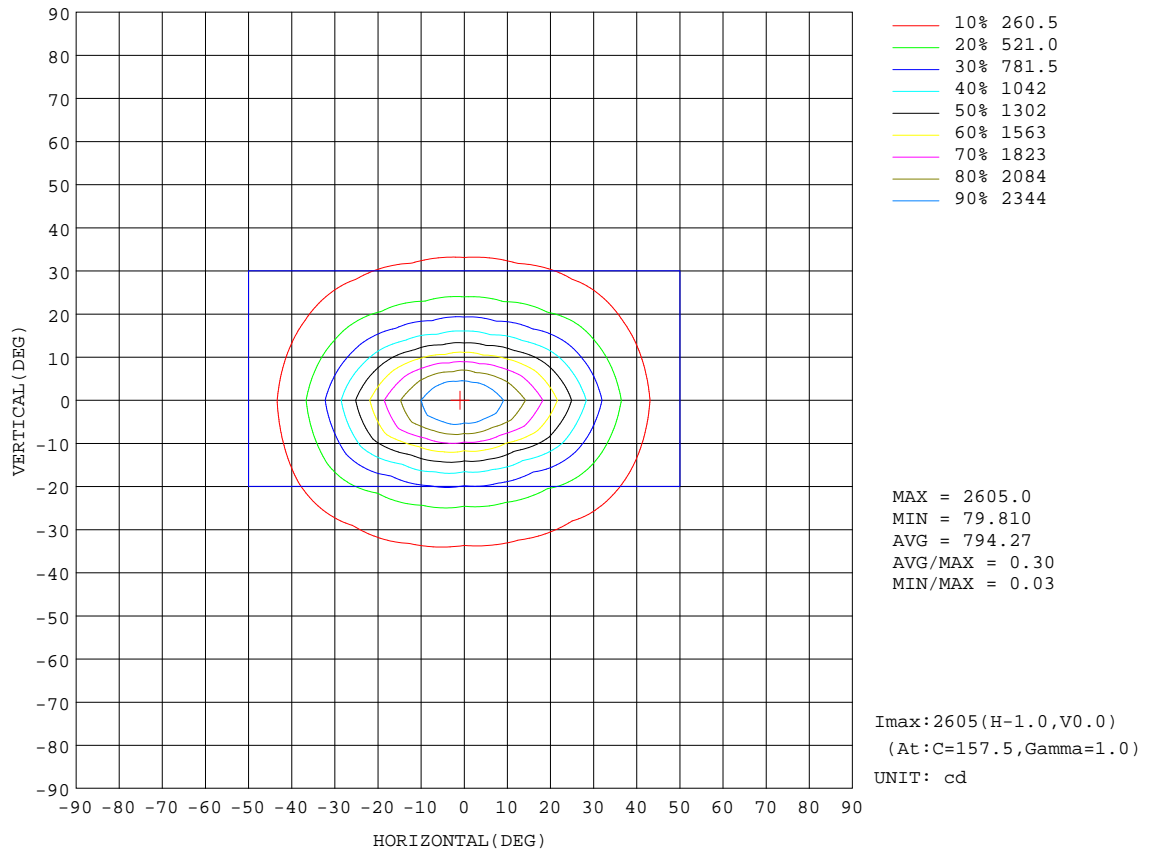
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:LXJ  
 Test Date:2024-12-07

$\gamma$  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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

# ISOCANDELA DIAGRAM

NAME: TLO020-61	TYPE:39D	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:2024-12-07

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:

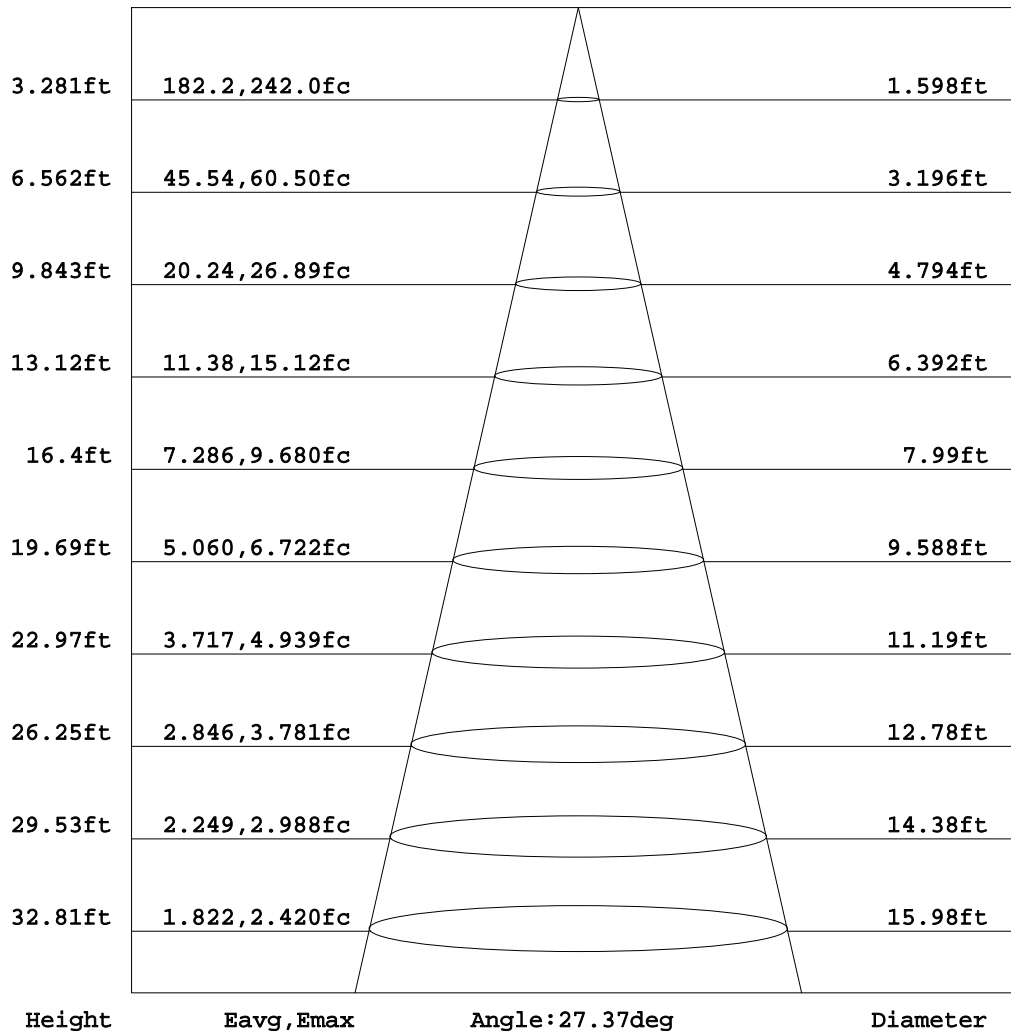


TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

### AAI Figure

NAME: TLO020-61	TYPE:39D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

Flux out:382.9 lm



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

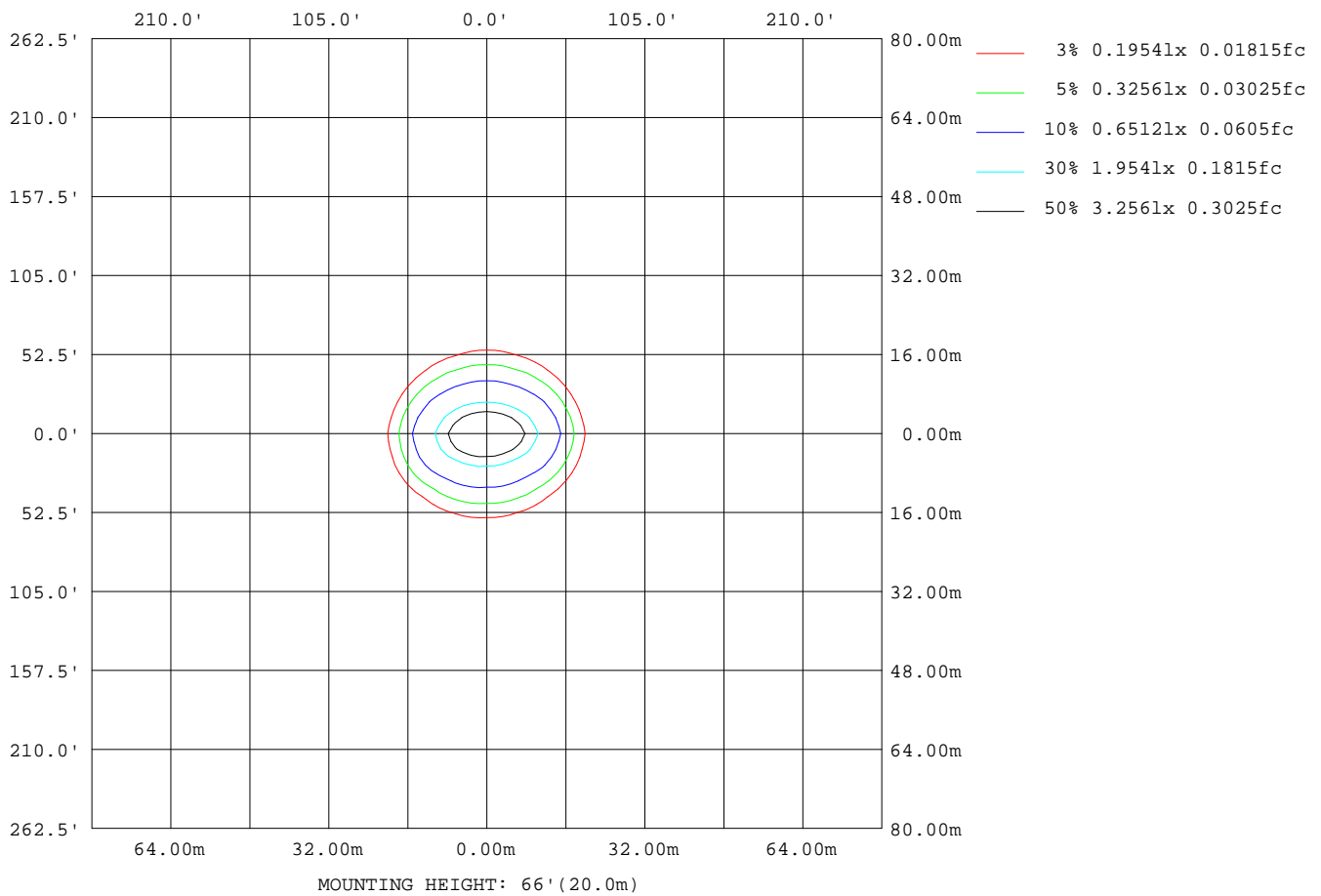
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-07

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

### ISOLUX DIAGRAM

NAME: TLO020-61	TYPE:39D	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:2024-12-07

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

### LED Avg.L Report

NAME: TLO020-61	TYPE:39D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

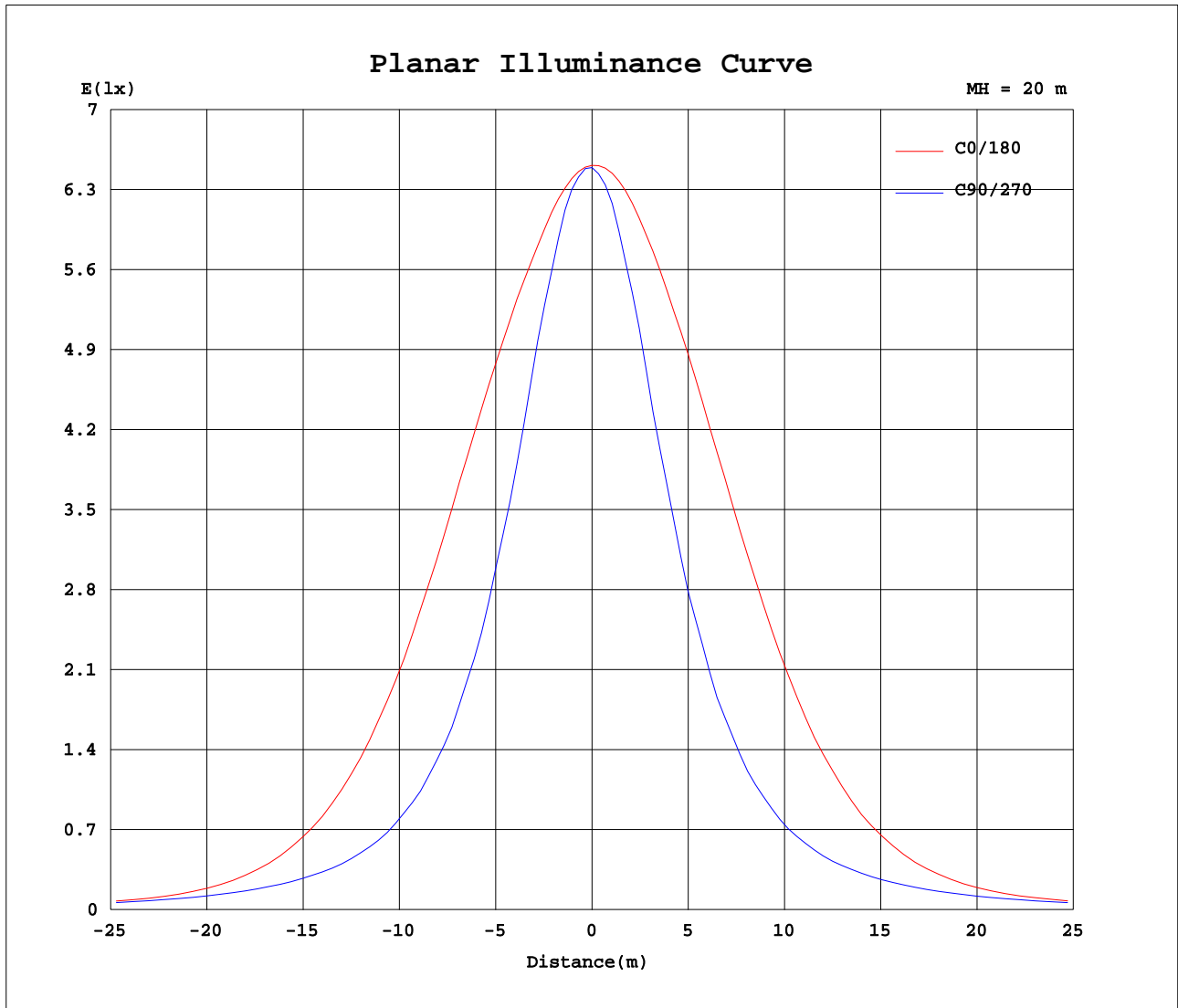
AvgL	cd/m2
L_0~180(65)av	14210
L_0~180(75)av	8353
L_0~180(85)av	1009
L_90~270(65)av	12590
L_90~270(75)av	7366
L_90~270(85)av	929
L_45(65)av	12672
L_45(75)av	7462
L_45(85)av	1249

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-12-07

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: 2024-12-07

$\gamma$  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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 15X60D 3000K CRI90 NA

### LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-61	TYPE:39D	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	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598			
5	2509	2495	2433	2403	2375	2439	2489	2548	2538	2487	2413	2319	2292	2301	2382	2451			
10	2300	2211	1983	1855	1782	1916	2082	2305	2339	2187	1960	1744	1691	1727	1926	2152			
15	2033	1837	1452	1278	1197	1337	1568	1958	2064	1791	1437	1180	1134	1167	1420	1780			
20	1686	1420	988	831	769	877	1090	1549	1710	1365	984	769	737	762	977	1371			
25	1291	1018	657	541	504	573	727	1139	1314	971	655	504	478	501	651	983			
30	913	686	435	361	339	382	485	779	927	660	438	340	323	339	435	671			
35	593	442	297	252	241	266	329	505	604	431	299	241	232	241	298	432			
40	360	282	209	186	181	194	228	318	368	277	210	179	175	179	209	274			
45	212	182	151	141	137	147	162	201	218	180	152	136	134	137	151	176			
50	131	122	111	107	106	111	117	131	137	121	112	105	105	106	111	118			
55	91.8	88.1	82.8	81.4	81.9	84.4	86.8	92.3	94.0	87.0	83.1	80.1	81.1	80.6	83.5	85.8			
60	68.3	65.5	61.1	61.0	60.9	63.1	63.5	67.9	68.6	64.1	61.2	59.6	60.8	59.9	61.6	63.6			
65	48.5	47.2	42.8	43.7	43.0	45.1	44.6	48.6	48.8	45.6	43.1	42.3	43.2	42.3	43.0	45.1			
70	30.5	30.0	27.9	27.9	27.1	29.0	29.3	32.2	31.9	29.9	28.2	27.8	28.2	27.5	27.8	28.2			
75	17.3	16.7	14.6	15.7	15.3	16.3	16.5	18.3	17.8	16.7	16.4	15.4	15.6	15.0	15.0	15.5			
80	6.41	6.61	5.80	6.38	5.77	7.07	6.57	8.01	6.99	6.89	6.49	6.35	6.18	5.66	5.71	5.71			
85	0.70	0.76	0.82	0.73	0.66	0.97	1.02	1.11	0.72	0.77	0.96	0.70	0.65	0.56	0.72	0.56			
90	0.64	0.65	0.62	0.62	0.61	0.62	0.60	0.63	0.58	0.55	0.55	0.52	0.54	0.54	0.56	0.56			
95	0.84	0.83	0.79	0.79	0.77	0.78	0.78	0.81	0.76	0.72	0.71	0.69	0.71	0.70	0.74	0.75			
100	1.13	1.09	1.02	0.99	0.97	0.98	0.99	1.05	1.03	0.97	0.92	0.89	0.90	0.92	0.97	1.02			
105	1.57	1.47	1.33	1.26	1.22	1.24	1.30	1.42	1.42	1.33	1.21	1.15	1.15	1.20	1.28	1.42			
110	2.22	2.03	1.77	1.60	1.55	1.58	1.73	1.96	2.01	1.86	1.60	1.49	1.47	1.56	1.72	2.01			
115	3.13	2.83	2.42	2.08	2.00	2.04	2.35	2.74	2.83	2.62	2.16	1.95	1.91	2.06	2.37	2.85			
120	4.29	3.93	3.34	2.77	2.64	2.72	3.24	3.79	3.92	3.66	2.99	2.62	2.53	2.79	3.30	3.97			
125	5.71	5.36	4.66	3.80	3.59	3.73	4.49	5.17	5.32	5.01	4.20	3.62	3.45	3.89	4.63	5.36			
130	7.40	7.04	6.37	5.35	5.00	5.22	6.13	6.81	6.93	6.63	5.82	5.08	4.87	5.44	6.33	7.03			
135	9.19	8.92	8.40	7.42	6.99	7.23	8.10	8.66	8.72	8.49	7.82	7.09	6.85	7.53	8.36	8.89			
140	11.0	10.9	10.6	9.92	9.57	9.68	10.3	10.6	10.6	10.5	10.0	9.59	9.42	10.01	10.5	10.8			
145	12.7	12.7	12.8	12.5	12.4	12.2	12.5	12.5	12.3	12.4	12.3	12.2	12.2	12.6	12.7	12.6			
150	14.0	14.3	14.7	14.8	14.8	14.6	14.4	14.1	13.8	14.0	14.3	14.6	14.7	14.8	14.5	14.0			
155	14.8	15.4	16.2	16.6	16.7	16.4	15.9	15.2	14.8	15.1	15.8	16.4	16.6	16.6	15.9	15.0			
160	15.3	15.9	17.0	17.6	17.8	17.4	16.6	15.8	15.4	15.7	16.5	17.3	17.7	17.5	16.6	15.6			
165	15.7	16.2	17.2	17.9	18.0	17.5	16.7	16.1	15.9	16.0	16.6	17.4	17.8	17.6	16.7	15.9			
170	16.0	16.4	16.8	17.3	17.3	16.8	16.4	16.4	16.4	16.4	16.3	16.6	17.0	17.0	16.6	16.2			
175	16.3	16.5	16.7	16.6	16.2	16.1	16.5	16.6	16.7	16.7	16.6	16.1	16.2	16.6	16.6	16.4			
180	16.8	16.8	16.8	16.2	15.9	16.2	16.7	16.7	16.8	16.8	16.8	16.2	16.0	16.2	16.7	16.7			

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