

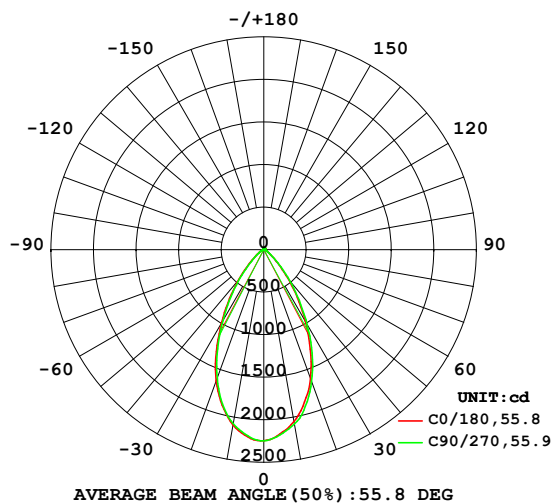
TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

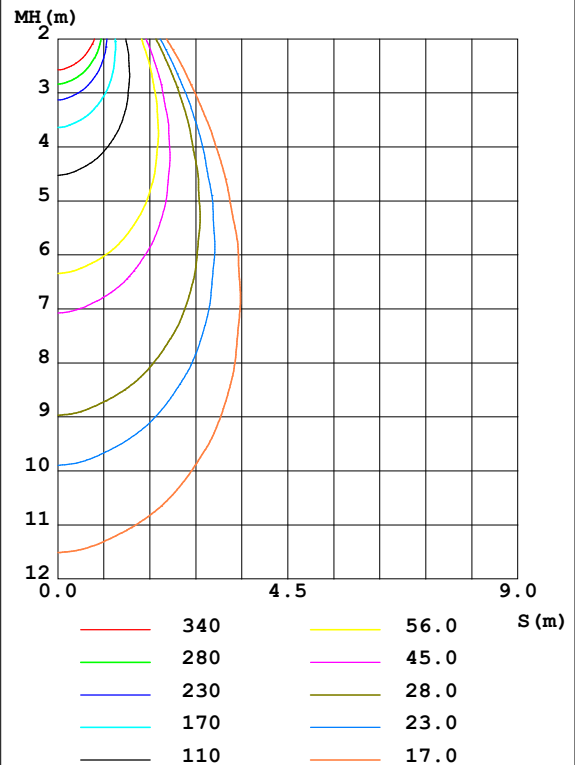
NAME: TLO030-11	TYPE: 55.8D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.74 lm/W			
MODEL		I _{max} (cd)	2252	S/MH (C0/180)	0.86
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	0.84
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	2151.7	η UP, DN (C0-180)	1.2, 50.1
NOMINAL FLUX (lm)	2151.71	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.2, 47.5
LAMPS INSIDE	1	η up (%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	97.6	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-30

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:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 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	2051	2050	2080	2121	2092	2106	2077	2045	0- 10	205.7	205.7	9.56,9.56
20	1608	1594	1647	1700	1641	1648	1605	1558	10- 20	524.1	729.8	33.9,33.9
30	977.7	972.2	1017	1063	993.8	1012	960.6	915.8	20- 30	598.2	1328	61.7,61.7
40	444.6	443.7	478.9	517.6	456.5	469.8	435.7	401.9	30- 40	439.3	1767	82.1,82.1
50	146.0	144.3	158.0	171.0	145.8	147.9	133.5	125.7	40- 50	211.7	1979	92,92
60	48.75	48.83	53.64	58.68	52.52	52.99	47.82	44.68	50- 60	79.11	2058	95.6,95.6
70	18.48	17.98	20.26	22.76	19.88	20.47	18.57	15.95	60- 70	33.32	2091	97.2,97.2
80	1.070	0.8857	1.541	2.383	1.520	1.683	1.214	0.5808	70- 80	8.757	2100	97.6,97.6
90	0.6296	0.6352	0.6166	0.5906	0.5464	0.5388	0.5686	0.5890	80- 90	0.6764	2101	97.6,97.6
100	1.210	1.226	1.160	1.083	1.065	1.049	1.133	1.194	90-100	0.8865	2102	97.7,97.7
110	2.715	2.734	2.587	2.399	2.398	2.377	2.547	2.698	100-110	1.846	2103	97.8,97.8
120	5.510	5.586	5.318	5.017	5.066	5.024	5.315	5.578	110-120	3.750	2107	97.9,97.9
130	9.713	9.844	9.461	9.079	9.169	9.086	9.496	9.856	120-130	6.487	2114	98.2,98.2
140	14.74	14.82	14.58	14.02	14.15	14.04	14.48	14.80	130-140	9.177	2123	98.7,98.7
150	19.11	19.30	19.20	18.73	18.71	18.74	19.05	19.12	140-150	10.50	2133	99.1,99.1
160	21.80	22.08	22.31	21.93	21.79	21.87	22.23	21.87	150-160	9.502	2143	99.6,99.6
170	23.62	23.79	24.16	24.00	23.89	23.94	24.09	23.63	160-170	6.488	2149	99.9,99.9
180	25.10	25.34	25.40	25.39	25.13	25.35	25.40	25.40	170-180	2.332	2152	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

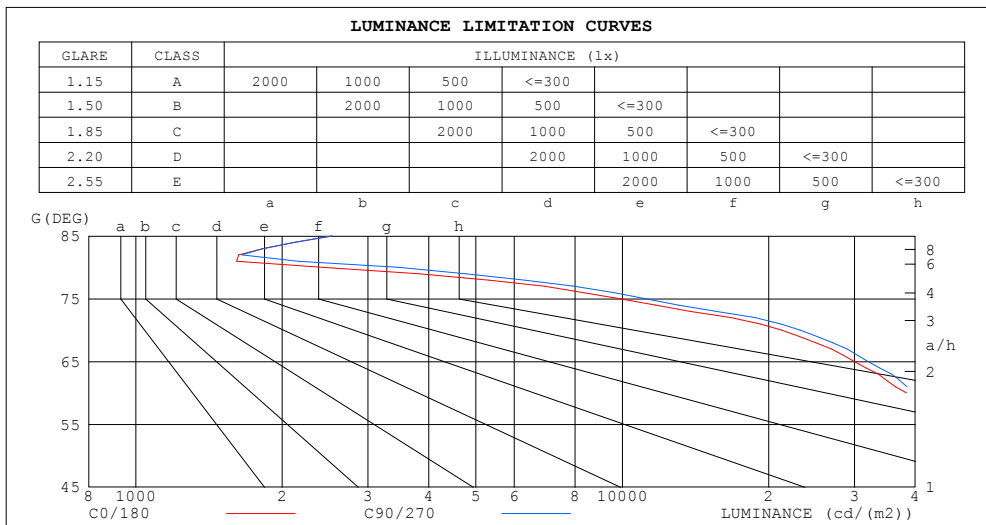
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:CJY
 Test Date:2024-08-30

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:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO030-11	TYPE: 55.8D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-30

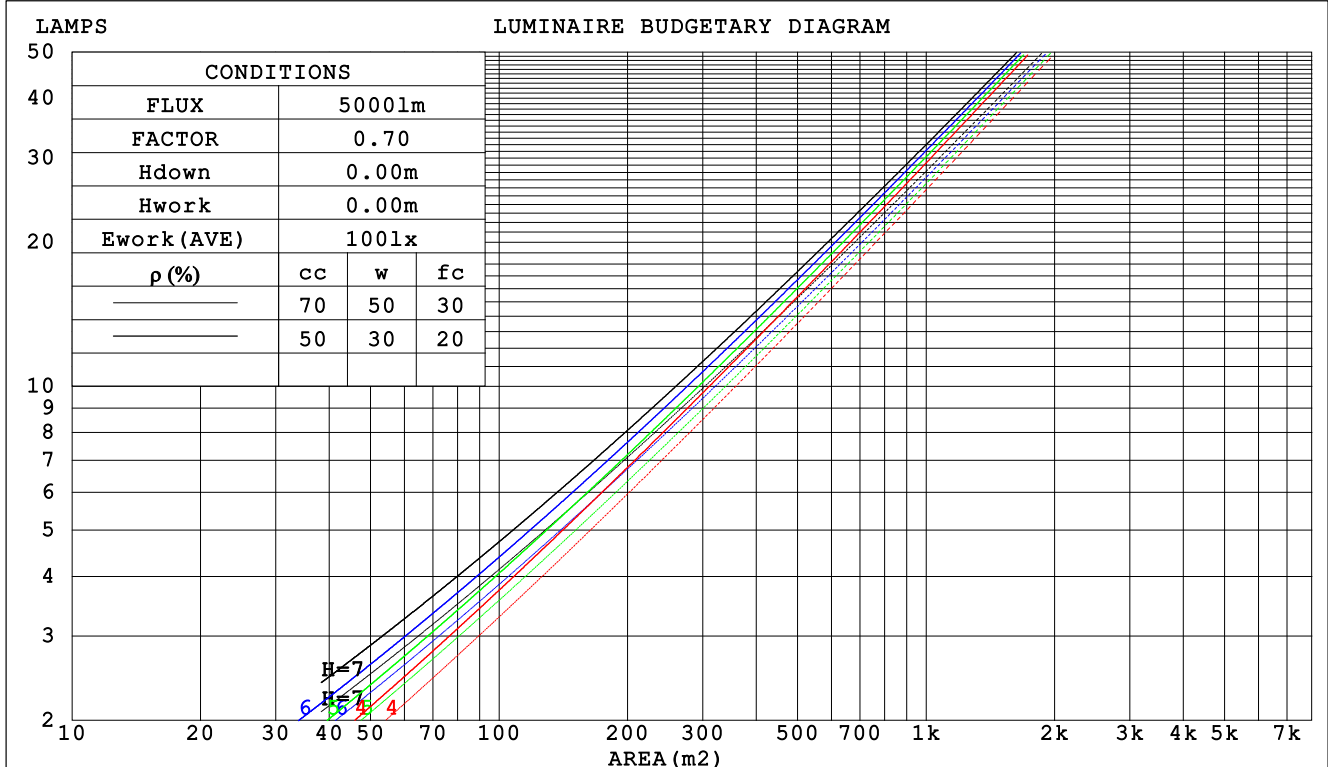
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO030-11	TYPE:55.8D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:65	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	1.07	1.04	1.07	1.05	1.02	1.02	1.01	.99	.98	.97	.95	.95	.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	.83	.92	.87	.83	.89	.84	.81	.86	.82	.79	.83	.80	.78	.76
4.0	.86	.80	.76	.85	.80	.75	.83	.78	.74	.80	.76	.73	.78	.75	.72	.70
5.0	.80	.74	.69	.79	.73	.69	.77	.72	.68	.75	.71	.67	.73	.69	.66	.65
6.0	.75	.68	.64	.74	.68	.64	.72	.67	.63	.70	.66	.62	.69	.65	.62	.60
7.0	.70	.64	.59	.69	.63	.59	.68	.62	.58	.66	.61	.58	.65	.61	.57	.56
8.0	.66	.59	.55	.65	.59	.55	.64	.58	.54	.62	.57	.54	.61	.57	.54	.52
9.0	.62	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.50	.58	.53	.50	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.47	.55	.50	.47	.46



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO030-11	TYPE:55.8D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:65	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	.193	.110	.035	.186	.106	.034	.172	.098	.031	.159	.092	.029	.147	.085	.027	
2.0	.186	.102	.031	.180	.099	.031	.168	.093	.029	.157	.088	.028	.147	.083	.026	
3.0	.177	.094	.028	.172	.092	.028	.162	.088	.027	.152	.083	.026	.143	.079	.025	
4.0	.169	.088	.026	.164	.086	.025	.155	.082	.025	.146	.079	.024	.139	.075	.023	
5.0	.160	.082	.024	.156	.080	.023	.148	.077	.023	.141	.074	.022	.134	.071	.021	
6.0	.153	.076	.022	.149	.075	.022	.142	.073	.021	.135	.070	.021	.129	.068	.020	
7.0	.145	.072	.020	.142	.071	.020	.135	.068	.020	.129	.066	.019	.124	.064	.019	
8.0	.138	.068	.019	.135	.067	.019	.130	.065	.018	.124	.063	.018	.119	.061	.018	
9.0	.132	.064	.018	.129	.063	.018	.124	.061	.017	.119	.060	.017	.115	.058	.017	
10.0	.126	.061	.017	.124	.060	.017	.119	.058	.016	.115	.057	.016	.110	.056	.016	

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	.175	.162	.163	.151	.139	.111	.104	.096	.064	.060	.056	.021	.019	.018		
2.0	.176	.151	.129	.151	.130	.112	.104	.090	.078	.060	.052	.046	.019	.017	.015		
3.0	.165	.132	.106	.142	.114	.092	.097	.079	.064	.056	.046	.038	.018	.015	.012		
4.0	.156	.118	.089	.133	.102	.077	.092	.071	.054	.053	.042	.032	.017	.014	.011		
5.0	.147	.106	.076	.127	.092	.066	.087	.064	.047	.050	.038	.028	.016	.012	.009		
6.0	.140	.097	.067	.120	.084	.058	.083	.059	.041	.048	.035	.024	.016	.011	.008		
7.0	.134	.090	.059	.115	.078	.052	.080	.055	.037	.046	.032	.022	.015	.011	.007		
8.0	.128	.084	.053	.110	.073	.047	.076	.051	.033	.044	.030	.020	.014	.010	.007		
9.0	.123	.079	.049	.106	.068	.043	.073	.048	.030	.043	.028	.018	.014	.009	.006		
10.0	.118	.074	.045	.102	.065	.039	.071	.045	.028	.041	.027	.017	.013	.009	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-30

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:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO030-11					TYPE:55.8D			WEIGHT:1			
SPEC.:3000K CRI90					DIM.:			SERIAL No.:			
MFR.:					SUR.:65			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	22.8	23.8	23.1	24.1	24.3	23.1	24.1	23.3	24.3	24.5
	3H	22.8	23.7	23.1	24.0	24.2	23.0	24.0	23.3	24.2	24.5
	4H	22.7	23.6	23.1	23.9	24.2	23.0	23.9	23.3	24.1	24.4
	6H	22.6	23.5	23.0	23.8	24.1	22.9	23.7	23.2	24.0	24.3
	8H	22.6	23.4	22.9	23.7	24.0	22.8	23.6	23.2	23.9	24.2
	12H	22.5	23.3	22.9	23.6	23.9	22.8	23.5	23.2	23.9	24.2
4H	2H	22.7	23.6	23.0	23.8	24.1	22.9	23.8	23.2	24.1	24.3
	3H	22.7	23.5	23.1	23.8	24.1	22.9	23.7	23.3	24.0	24.3
	4H	22.6	23.3	23.0	23.7	24.0	22.9	23.6	23.3	23.9	24.3
	6H	22.5	23.1	23.0	23.5	23.9	22.8	23.4	23.2	23.8	24.2
	8H	22.5	23.1	22.9	23.4	23.9	22.7	23.3	23.2	23.7	24.1
	12H	22.4	23.0	22.9	23.4	23.8	22.7	23.2	23.1	23.6	24.0
8H	4H	22.5	23.1	22.9	23.5	23.9	22.7	23.3	23.2	23.7	24.1
	6H	22.4	22.9	22.9	23.3	23.8	22.6	23.1	23.1	23.5	24.0
	8H	22.4	22.8	22.8	23.2	23.7	22.6	23.0	23.1	23.4	23.9
	12H	22.3	22.6	22.8	23.1	23.6	22.5	22.9	23.0	23.4	23.9
12H	4H	22.5	23.0	22.9	23.4	23.8	22.7	23.2	23.1	23.6	24.1
	6H	22.4	22.8	22.8	23.2	23.7	22.6	23.0	23.1	23.4	23.9
	8H	22.3	22.6	22.8	23.1	23.6	22.5	22.9	23.0	23.4	23.9
Variations with the observer position at spacings:											
S = 1.0H		+ 2.1 / - 4.5					+ 2.1 / - 4.4				
1.5H		+ 3.3 / - 3.5					+ 3.3 / - 3.6				
2.0H		+ 4.2 / - 3.5					+ 4.5 / - 3.6				

CIE Pub.117, 2152 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.7)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-30

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:

TL0030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO030-11	TYPE:55.8D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:65	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) $k(RI) \times RCR = 5$									
$k = 0.60$	80	73	68	80	73	68	79	72	68	64
0.80	89	82	77	88	81	77	86	80	76	72
1.00	94	88	83	93	87	83	91	87	82	77
1.25	99	93	89	98	92	88	95	91	87	82
1.50	102	97	93	101	96	92	98	94	91	85
2.00	106	101	97	104	100	96	101	97	94	88
2.50	108	103	100	106	102	99	102	99	97	90
3.00	110	106	103	108	104	101	104	101	99	91
4.00	112	109	106	110	107	105	106	103	101	93
5.00	113	111	108	111	109	107	106	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR _{NOM} = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-30

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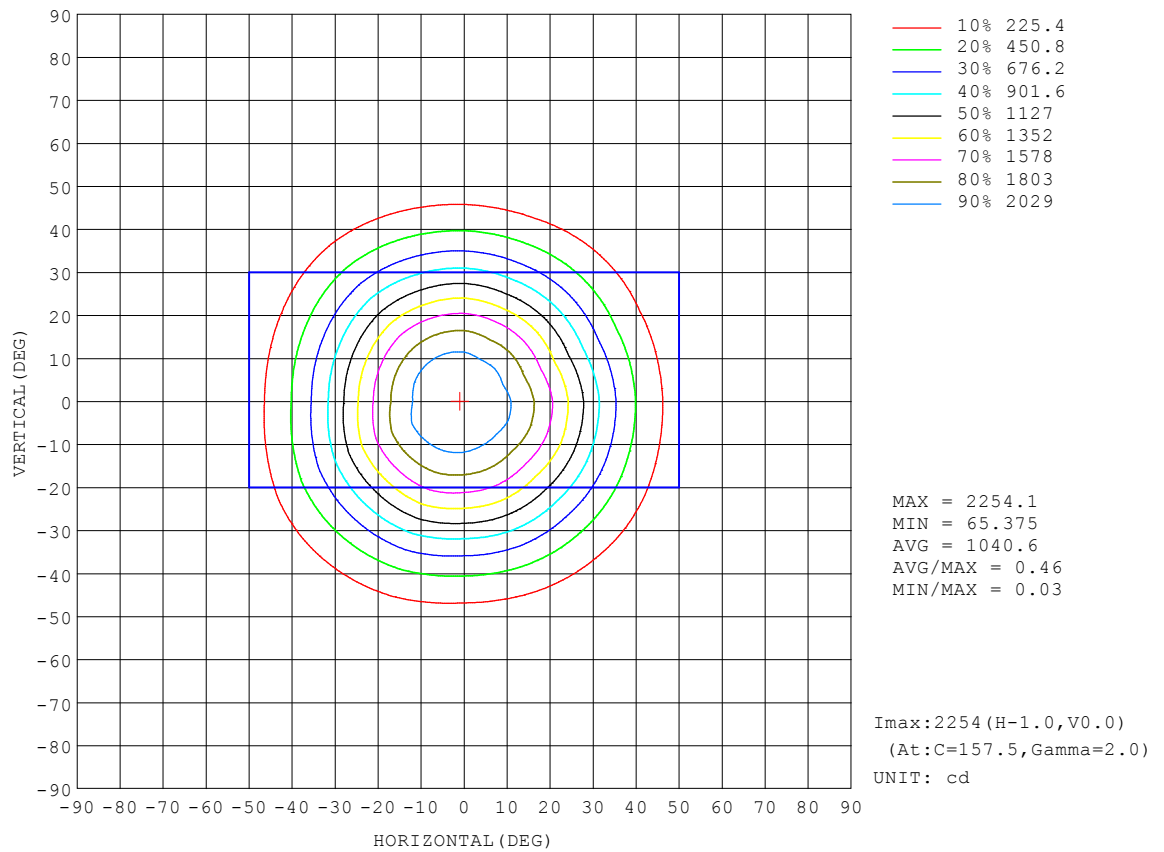
Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

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TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO030-11	TYPE: 55.8D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	Shielding Angle:



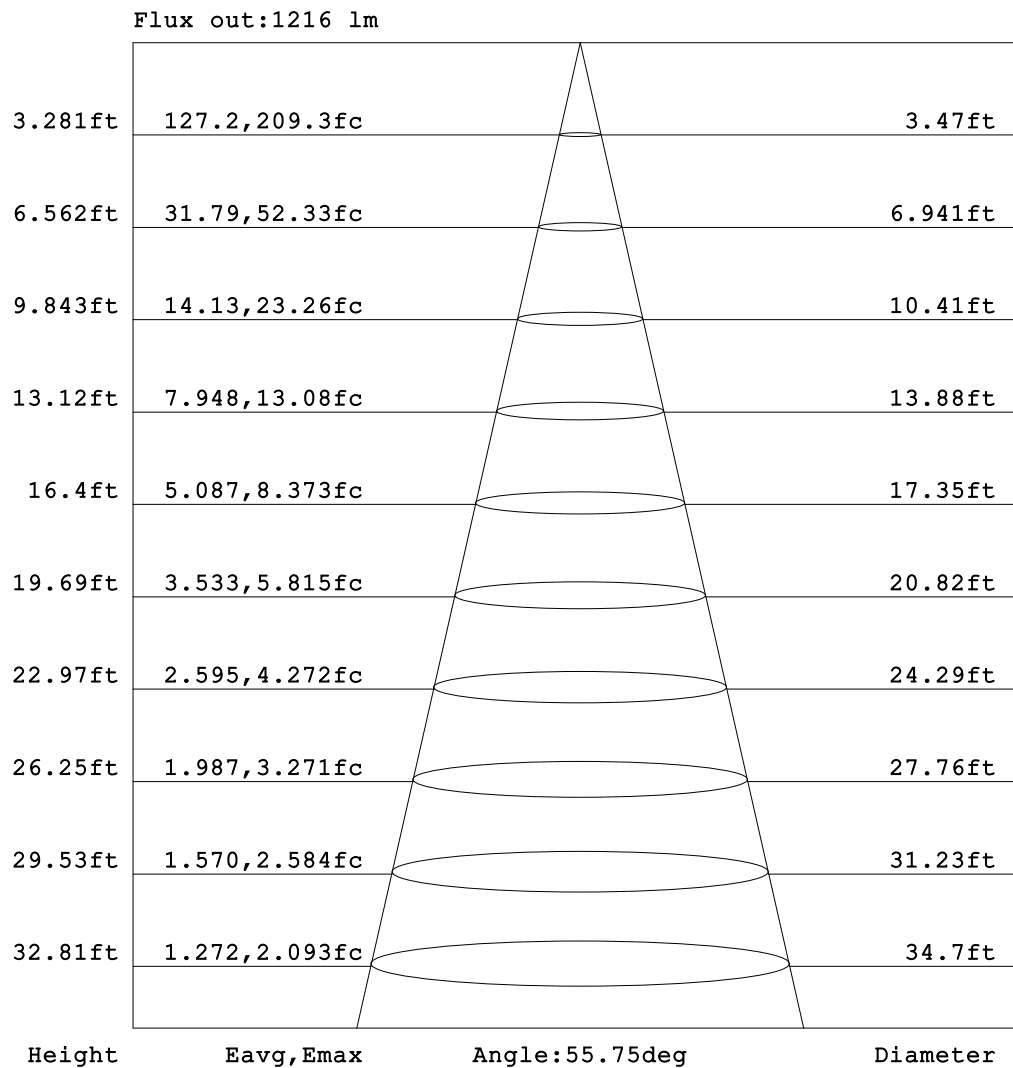
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-30

γ Range: 0 - 180DEG
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
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Remarks:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

AAI Figure

NAME: TLO030-11	TYPE:55.8D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:65	Shielding Angle:



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

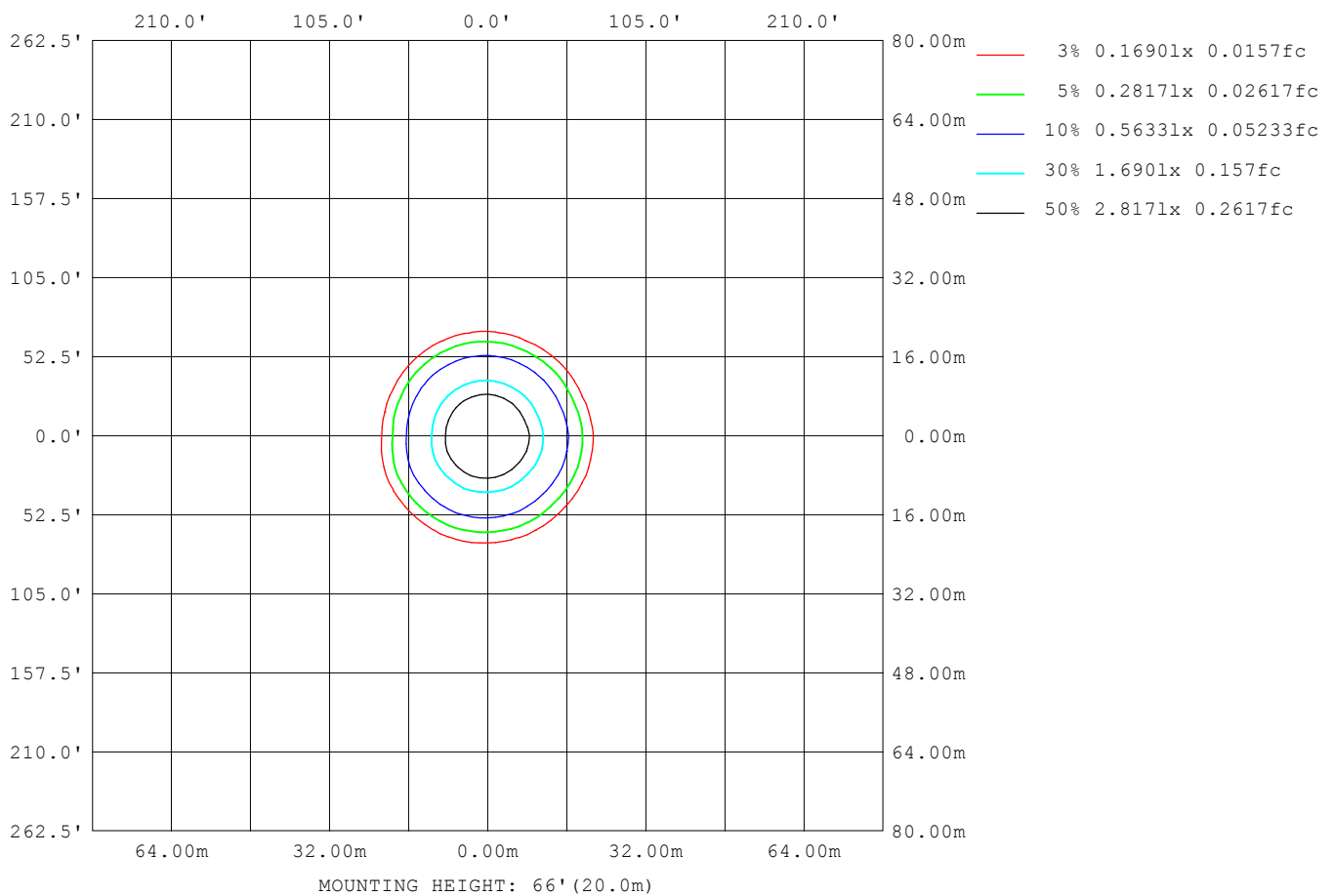
C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO030-11	TYPE:55.8D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:65	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
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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:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO030-11	TYPE:55.8D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:65	Shielding Angle:

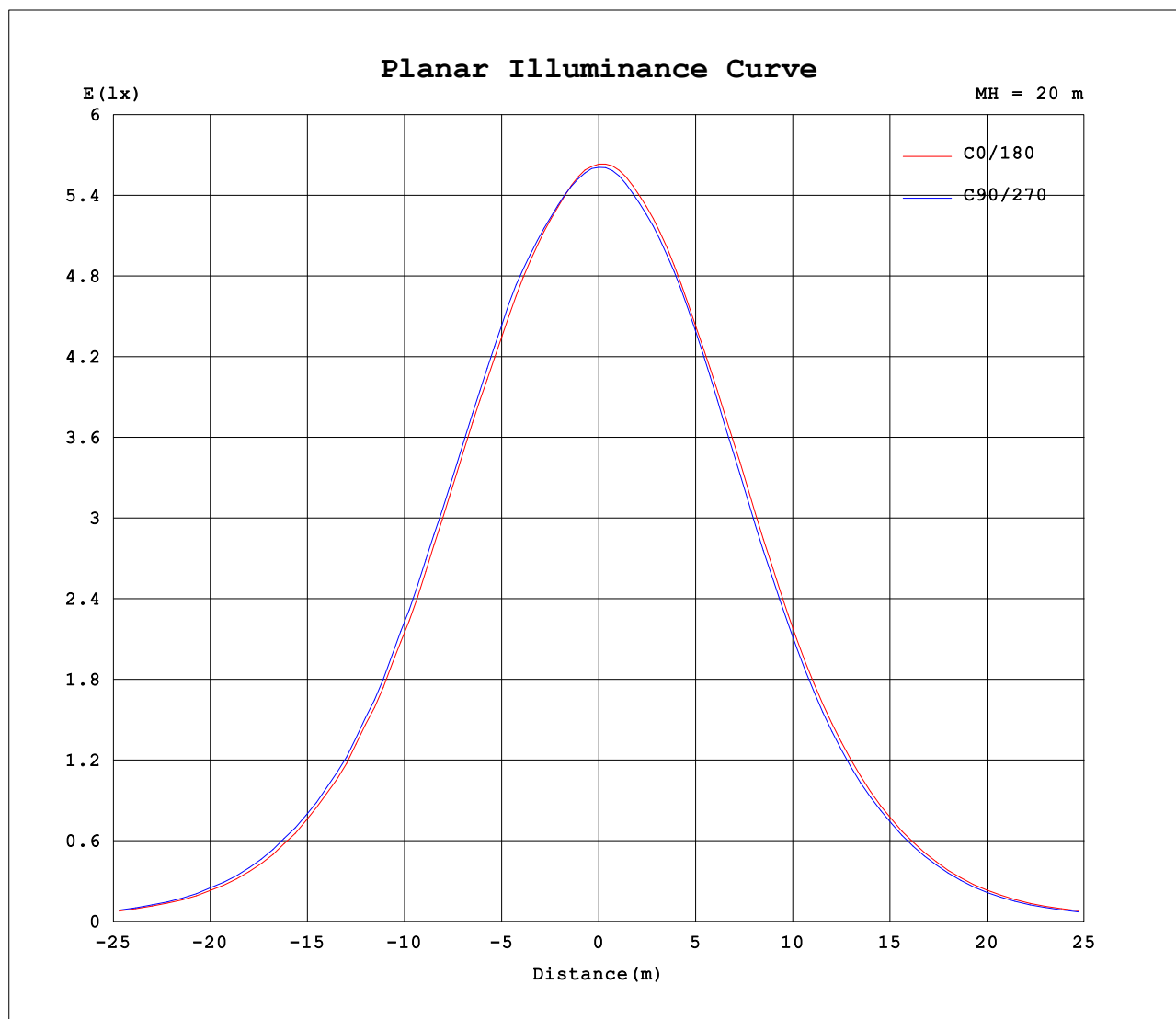
AvgL	cd/m2
L_0~180 (65) av	30439
L_0~180 (75) av	10646
L_0~180 (85) av	2358
L_90~270 (65) av	30838
L_90~270 (75) av	10634
L_90~270 (85) av	2373
L_45 (65) av	30766
L_45 (75) av	10754
L_45 (85) av	2349

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-30

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: CJY
 Test Date: 2024-08-30

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:

TLO030-11 36V700mA CXA1830-30G-NOY 55.8D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO030-11	TYPE: 55.8D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	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	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246			
5	2177	2176	2172	2179	2188	2206	2218	2230	2207	2211	2218	2206	2193	2176	2169	2158			
10	2051	2058	2050	2063	2080	2109	2121	2136	2092	2100	2106	2089	2077	2047	2045	2026			
15	1856	1869	1850	1872	1902	1935	1945	1958	1893	1907	1901	1895	1879	1830	1832	1811			
20	1608	1610	1594	1625	1647	1698	1700	1712	1641	1636	1648	1621	1605	1570	1558	1537			
25	1292	1312	1282	1322	1344	1401	1390	1406	1322	1320	1331	1298	1288	1243	1234	1217			
30	978	990	972	1007	1017	1073	1063	1078	994	994	1012	979	961	920	916	907			
35	692	694	685	713	729	768	774	776	702	706	721	694	675	643	636	629			
40	445	447	444	464	479	509	518	521	457	460	470	451	436	411	402	399			
45	262	262	259	273	285	303	305	312	264	263	269	257	247	227	227	228			
50	146	149	144	152	158	169	171	174	146	142	148	137	134	124	126	123			
55	82.8	83.9	83.2	87.6	90.1	97.6	97.5	98.0	83.8	82.8	83.3	80.5	76.4	72.7	73.5	73.4			
60	48.7	50.6	48.8	52.5	53.6	58.7	58.7	60.0	52.5	52.2	53.0	50.6	47.8	44.4	44.7	44.2			
65	32.2	32.8	31.9	33.9	34.5	37.1	37.2	38.1	33.4	33.5	34.0	33.0	32.0	29.7	29.5	28.7			
70	18.5	18.9	18.0	19.7	20.3	22.5	22.8	23.4	19.9	20.0	20.5	19.5	18.6	16.4	16.0	15.2			
75	6.50	6.59	6.00	6.93	7.37	9.09	9.24	9.99	7.55	7.55	7.98	7.32	6.66	5.58	5.17	4.80			
80	1.07	1.18	0.89	1.36	1.54	2.29	2.38	2.69	1.52	1.54	1.68	1.45	1.21	0.72	0.58	0.52			
85	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.49	0.48	0.48	0.48	0.49	0.48	0.49	0.47			
90	0.63	0.64	0.64	0.64	0.62	0.61	0.59	0.61	0.55	0.52	0.54	0.53	0.57	0.57	0.59	0.57			
95	0.84	0.85	0.85	0.84	0.81	0.78	0.76	0.77	0.74	0.72	0.73	0.74	0.78	0.79	0.81	0.80			
100	1.21	1.21	1.23	1.19	1.16	1.10	1.08	1.08	1.06	1.05	1.05	1.08	1.13	1.18	1.19	1.20			
105	1.82	1.79	1.83	1.76	1.73	1.63	1.61	1.58	1.60	1.60	1.58	1.64	1.70	1.80	1.80	1.82			
110	2.71	2.66	2.73	2.62	2.59	2.42	2.40	2.35	2.40	2.42	2.38	2.48	2.55	2.70	2.70	2.74			
115	3.93	3.88	3.97	3.83	3.77	3.55	3.53	3.46	3.55	3.57	3.52	3.65	3.75	3.94	3.96	3.97			
120	5.51	5.47	5.59	5.40	5.32	5.06	5.02	4.94	5.07	5.06	5.02	5.17	5.31	5.56	5.58	5.60			
125	7.47	7.43	7.57	7.34	7.25	6.93	6.89	6.77	6.96	6.95	6.90	7.08	7.26	7.54	7.57	7.61			
130	9.71	9.68	9.84	9.59	9.46	9.14	9.08	8.95	9.17	9.18	9.09	9.32	9.50	9.81	9.86	9.92			
135	12.2	12.1	12.3	12.1	12.0	11.6	11.5	11.4	11.6	11.6	11.5	11.7	12.0	12.2	12.3	12.3			
140	14.7	14.7	14.8	14.7	14.6	14.2	14.0	13.9	14.2	14.1	14.0	14.3	14.5	14.8	14.8	14.8			
145	17.1	17.0	17.2	17.1	17.1	16.6	16.5	16.4	16.6	16.5	16.5	16.7	16.9	17.1	17.1	17.1			
150	19.1	19.1	19.3	19.2	19.2	18.8	18.7	18.7	18.7	18.7	18.7	18.9	19.0	19.2	19.1	19.1			
155	20.7	20.7	20.9	21.0	21.0	20.7	20.6	20.5	20.4	20.4	20.5	20.8	20.9	20.9	20.7	20.6			
160	21.8	21.8	22.1	22.2	22.3	22.1	21.9	21.9	21.8	21.8	21.9	22.2	22.2	22.2	21.9	21.7			
165	22.8	22.7	23.1	23.3	23.4	23.2	23.1	23.0	22.9	22.9	23.0	23.2	23.3	23.2	22.8	22.6			
170	23.6	23.6	23.8	24.0	24.2	24.0	24.0	24.0	23.9	24.0	23.9	24.0	24.1	23.9	23.6	23.5			
175	24.4	24.5	24.7	24.7	24.8	24.8	24.9	24.8	24.7	24.8	25.0	24.8	24.8	24.8	24.7	24.4			
180	25.1	25.1	25.3	25.2	25.4	25.3	25.4	25.1	25.1	25.1	25.3	25.2	25.4	25.3	25.4	25.1			

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