

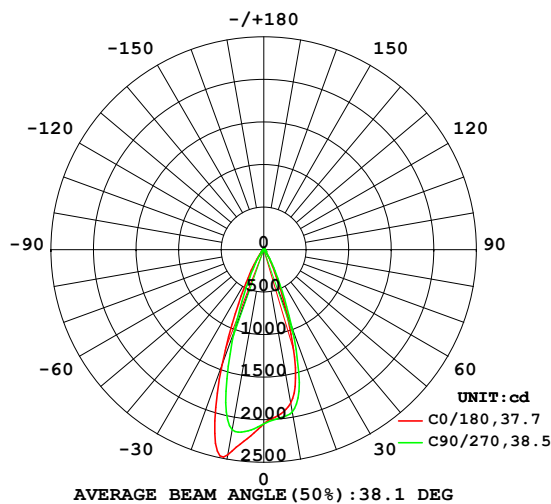
TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

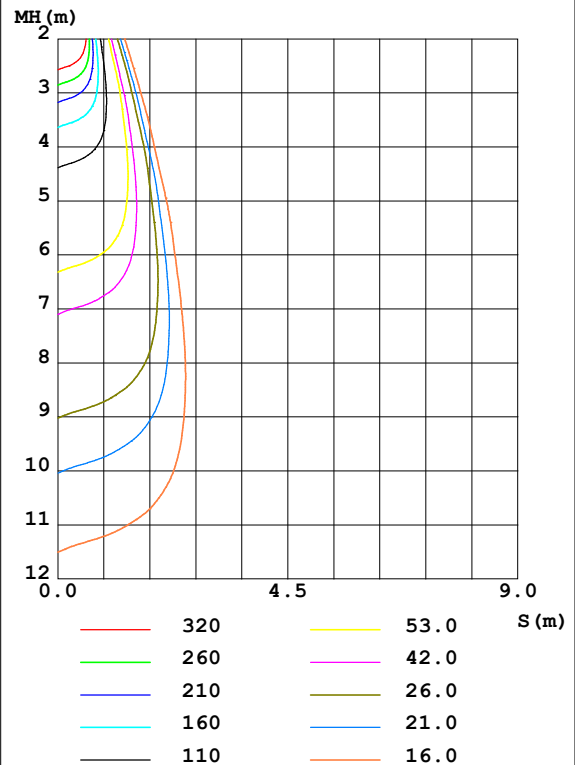
NAME: TLO015-31	TYPE: 38.1D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 42	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.69 lm/W
MODEL		I _{max} (cd)	2534	S/MH (C0/180)	0.67	
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.60	
RATED VOLTAGE (V)	110	TOTAL FLUX (lm)	1084.4	η UP, DN (C0-180)	1.3, 47.8	
NOMINAL FLUX (lm)	1084.44	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.2, 49.7	
LAMPS INSIDE	1	η up (%)	2.5	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	110	η down (%)	97.5	CIBSE SHR MAX	0.60	

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: 2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 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	1829	1765	1937	2163	2447	2457	2148	1812	0- 10	197.8	197.8	18.2,18.2
20	783.9	655.1	963.2	1665	1438	1611	1001	582.4	10- 20	464.1	662.0	61,61
30	160.9	134.4	204.6	426.0	331.7	395.5	232.4	129.1	20- 30	262.1	924.1	85.2,85.2
40	49.04	44.53	57.69	98.90	76.75	91.30	61.17	42.20	30- 40	83.38	1007	92.9,92.9
50	20.56	18.13	23.14	34.19	27.40	30.92	23.80	16.82	40- 50	31.34	1039	95.8,95.8
60	7.560	6.328	8.221	13.09	11.30	13.07	9.391	6.006	50- 60	14.06	1053	97.1,97.1
70	0.5460	0.4497	0.6628	1.887	0.7822	1.109	0.6149	0.3579	60- 70	4.309	1057	97.5,97.5
80	0.2308	0.2378	0.2466	0.2626	0.1852	0.1783	0.1891	0.1882	70- 80	0.3955	1058	97.5,97.5
90	0.2417	0.2575	0.2443	0.2375	0.1838	0.1828	0.2063	0.2332	80- 90	0.2337	1058	97.5,97.5
100	0.3310	0.3587	0.3248	0.2845	0.2672	0.2577	0.2982	0.3497	90-100	0.2854	1058	97.6,97.6
110	0.6062	0.7082	0.5620	0.4232	0.4297	0.4032	0.4933	0.6863	100-110	0.4247	1058	97.6,97.6
120	1.754	2.102	1.441	0.9108	0.9648	0.8795	1.229	2.033	110-120	0.8683	1059	97.7,97.7
130	4.986	5.686	4.195	2.748	2.916	2.672	3.664	5.475	120-130	2.269	1062	97.9,97.9
140	9.425	10.21	8.521	6.398	6.524	6.219	7.728	10.03	130-140	4.603	1066	98.3,98.3
150	13.41	14.14	13.02	11.03	11.16	10.90	12.48	14.11	140-150	6.449	1073	98.9,98.9
160	14.11	14.67	15.27	14.69	14.34	14.58	15.17	14.64	150-160	6.413	1079	99.5,99.5
170	12.20	12.65	14.17	14.71	13.82	14.41	14.23	12.93	160-170	4.067	1083	99.9,99.9
180	12.43	13.35	13.70	13.65	12.47	13.31	13.67	13.68	170-180	1.277	1084	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

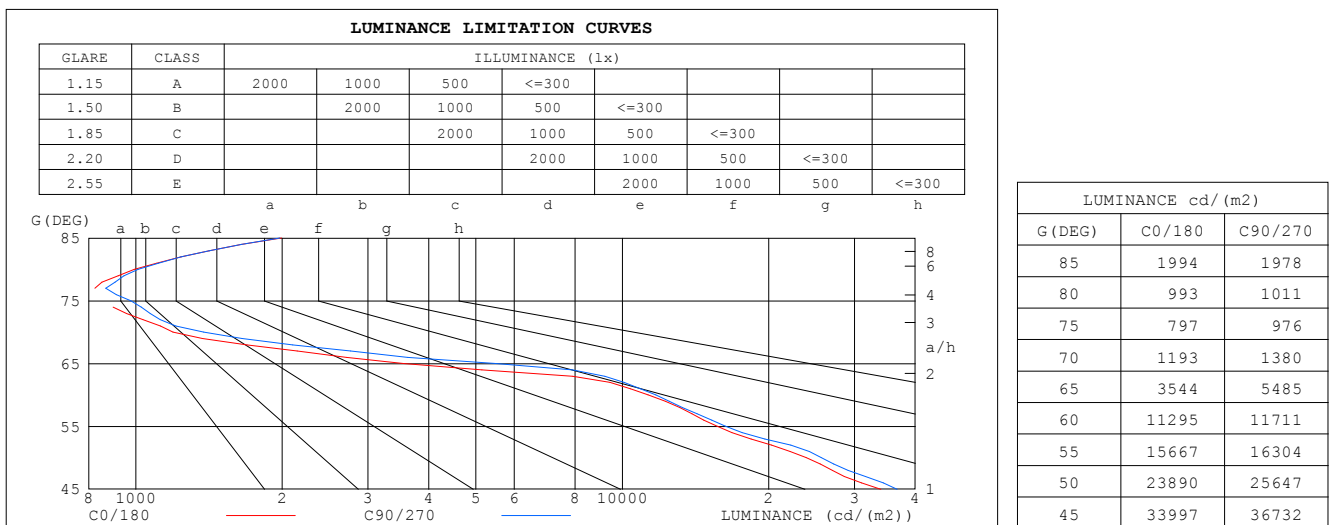
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:CJY
 Test Date:2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO015-31	TYPE: 38.1D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 42	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-01-25

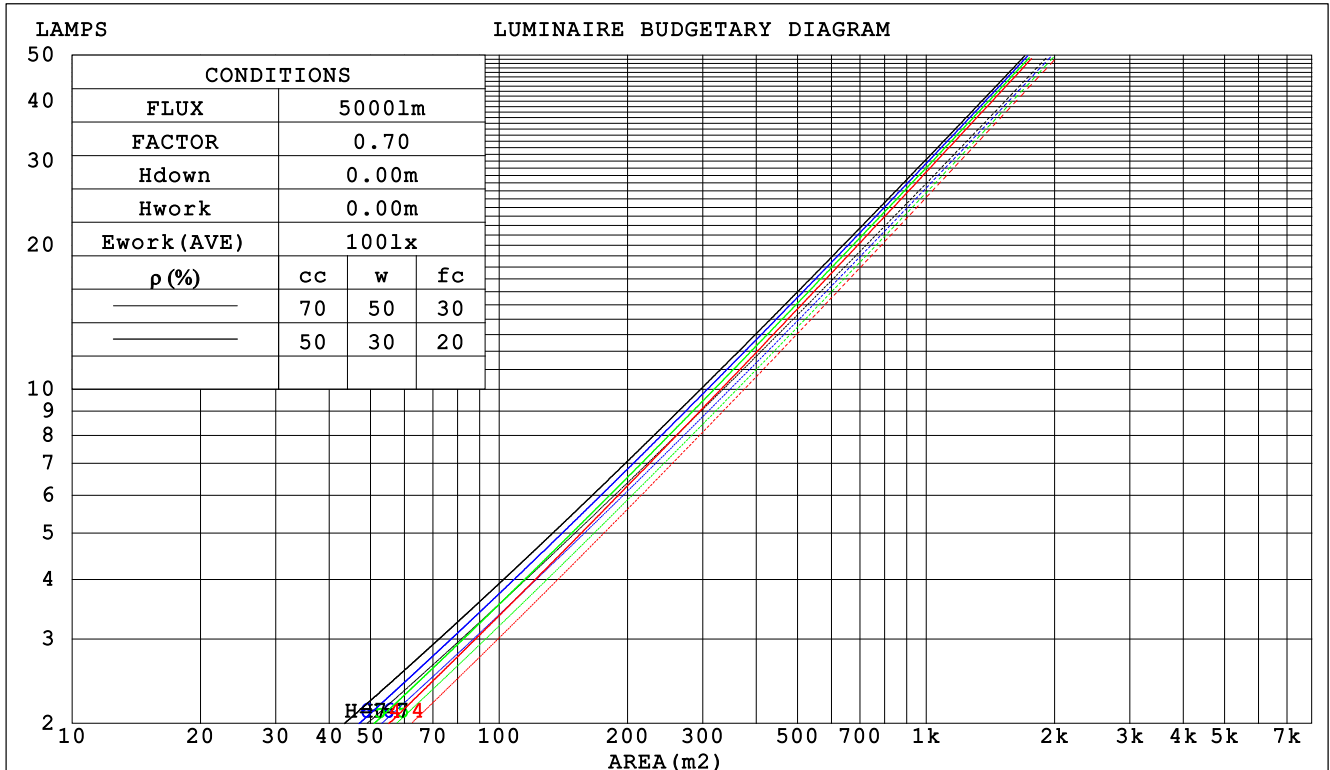
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO015-31	TYPE:38.1D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:42	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.96	.95	.95	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.94	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.89	.87	.85	.84
4.0	.93	.89	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.79
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.84	.81	.78	.82	.79	.77	.76
6.0	.85	.79	.76	.84	.79	.75	.82	.78	.75	.80	.77	.74	.79	.76	.73	.72
7.0	.81	.76	.72	.80	.75	.72	.79	.74	.71	.77	.73	.71	.76	.73	.70	.69
8.0	.77	.72	.69	.77	.72	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
9.0	.74	.69	.66	.73	.69	.65	.72	.68	.65	.71	.67	.65	.70	.67	.64	.63
10.0	.71	.66	.63	.70	.66	.63	.70	.65	.62	.69	.65	.62	.68	.64	.62	.61



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO015-31	TYPE:38.1D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:42	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	.160	.091	.029	.152	.087	.028	.139	.080	.025	.126	.073	.023	.114	.066	.021		
2.0	.151	.083	.025	.145	.080	.025	.133	.074	.023	.122	.068	.021	.112	.063	.020		
3.0	.142	.076	.023	.137	.073	.022	.127	.069	.021	.118	.064	.020	.109	.060	.019		
4.0	.134	.070	.021	.130	.068	.020	.121	.064	.019	.113	.061	.018	.106	.057	.017		
5.0	.127	.065	.019	.123	.063	.018	.116	.060	.018	.109	.057	.017	.102	.055	.016		
6.0	.121	.061	.017	.118	.059	.017	.111	.057	.017	.105	.054	.016	.099	.052	.015		
7.0	.116	.057	.016	.112	.056	.016	.107	.054	.016	.101	.052	.015	.096	.050	.015		
8.0	.110	.054	.015	.108	.053	.015	.102	.051	.015	.097	.049	.014	.093	.048	.014		
9.0	.106	.051	.014	.103	.050	.014	.098	.049	.014	.094	.047	.013	.090	.046	.013		
10.0	.101	.049	.013	.099	.048	.013	.095	.046	.013	.091	.045	.013	.087	.044	.013		

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	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.189	.176	.165	.162	.151	.142	.111	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.172	.152	.134	.148	.130	.116	.101	.090	.081	.058	.053	.047	.019	.017	.015	
3.0	.159	.133	.111	.136	.114	.097	.094	.079	.068	.054	.046	.040	.017	.015	.013	
4.0	.148	.118	.095	.127	.102	.082	.087	.071	.058	.050	.041	.034	.016	.014	.011	
5.0	.138	.106	.082	.119	.092	.071	.082	.064	.050	.047	.038	.030	.015	.012	.010	
6.0	.130	.096	.072	.112	.083	.062	.077	.058	.044	.045	.034	.026	.014	.011	.009	
7.0	.123	.088	.064	.106	.077	.056	.073	.054	.039	.043	.032	.024	.014	.010	.008	
8.0	.117	.082	.058	.101	.071	.050	.070	.050	.036	.041	.029	.021	.013	.010	.007	
9.0	.112	.077	.053	.096	.066	.046	.067	.047	.033	.039	.028	.019	.013	.009	.006	
10.0	.107	.072	.049	.093	.063	.042	.064	.044	.030	.037	.026	.018	.012	.009	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO015-31					TYPE:38.1D			WEIGHT:1			
SPEC.:3000K CRI90					DIM.:			SERIAL No.:			
MFR.:					SUR.:42			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	15.2	16.0	15.5	16.2	16.4	15.6	16.4	15.8	16.6	16.8
	3H	15.1	15.8	15.4	16.0	16.3	15.4	16.2	15.7	16.4	16.6
	4H	15.0	15.7	15.3	15.9	16.2	15.4	16.0	15.7	16.3	16.6
	6H	14.9	15.5	15.2	15.8	16.1	15.3	15.9	15.6	16.2	16.5
	8H	14.9	15.5	15.2	15.8	16.1	15.2	15.8	15.6	16.1	16.4
	12H	14.8	15.4	15.2	15.7	16.0	15.2	15.8	15.5	16.1	16.4
4H	2H	15.1	15.8	15.4	16.0	16.3	15.4	16.1	15.7	16.4	16.6
	3H	14.9	15.5	15.3	15.8	16.1	15.3	15.9	15.6	16.2	16.5
	4H	14.8	15.3	15.2	15.7	16.0	15.2	15.7	15.5	16.0	16.4
	6H	14.7	15.2	15.1	15.6	15.9	15.1	15.5	15.5	15.9	16.3
	8H	14.6	15.1	15.1	15.5	15.9	15.0	15.4	15.4	15.8	16.3
	12H	14.6	15.0	15.0	15.4	15.9	15.0	15.4	15.4	15.8	16.2
8H	4H	14.6	15.1	15.1	15.5	15.9	15.0	15.4	15.4	15.8	16.2
	6H	14.5	14.9	15.0	15.3	15.8	14.9	15.3	15.4	15.7	16.2
	8H	14.5	14.8	15.0	15.3	15.8	14.8	15.2	15.3	15.6	16.1
	12H	14.4	14.7	14.9	15.2	15.7	14.8	15.1	15.3	15.5	16.1
12H	4H	14.6	15.0	15.0	15.4	15.8	14.9	15.3	15.4	15.8	16.2
	6H	14.5	14.8	15.0	15.3	15.7	14.8	15.2	15.3	15.6	16.1
	8H	14.4	14.7	14.9	15.2	15.7	14.8	15.1	15.3	15.5	16.1
Variations with the observer position at spacings:											
S = 1.0H		+ 2.3 / - 3.9					+ 2.8 / - 4.1				
1.5H		+ 3.3 / - 3.0					+ 3.9 / - 3.4				
2.0H		+ 4.0 / - 7.8					+ 4.4 / - 7.6				

CIE Pub.117, 1084 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO015-31	TYPE:38.1D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:42	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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	94	89	85	94	88	85	92	88	84	81
1.00	99	93	90	98	93	89	96	92	89	84
1.25	103	98	94	102	97	94	99	95	93	88
1.50	105	101	97	104	100	97	101	98	95	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	114	112	110	112	110	109	108	106	105	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

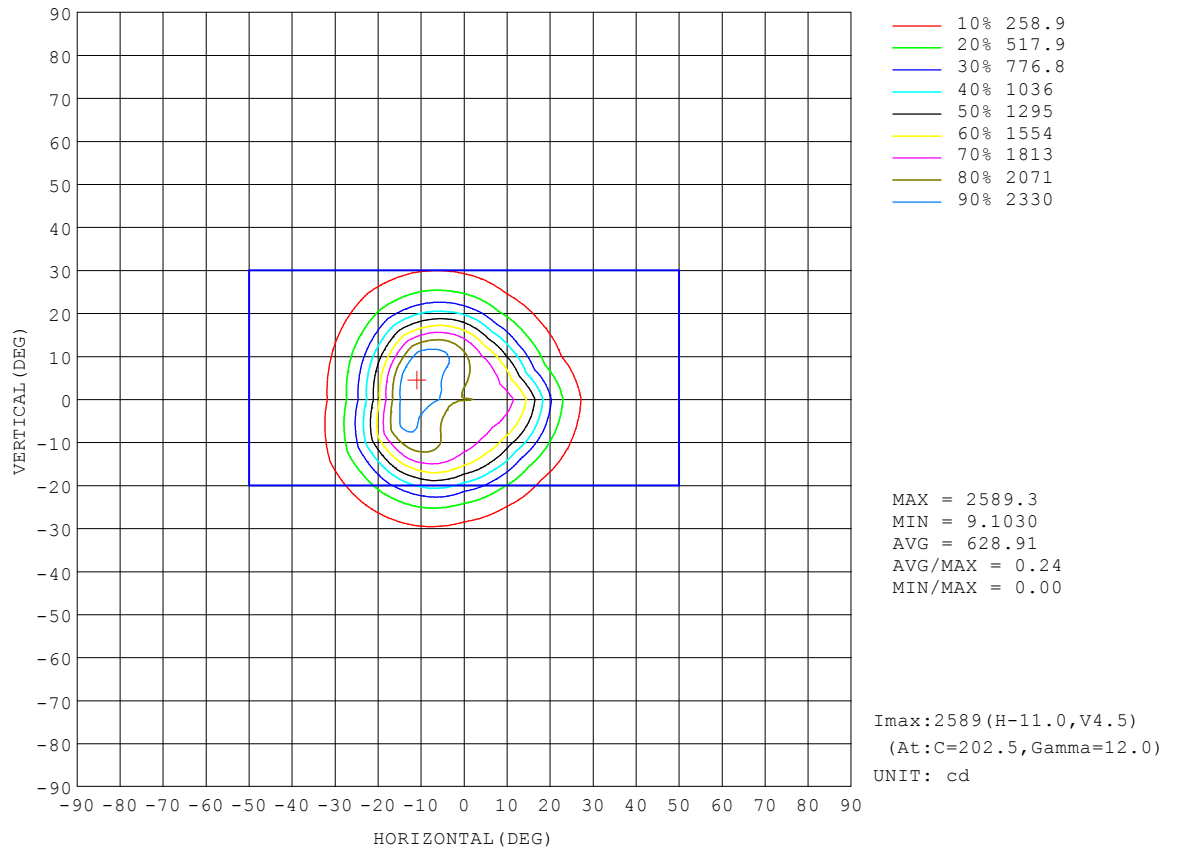
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 C Interval: 22.5DEG
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 Temperature:28DEG
 Operators:CJY
 Test Date:2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO015-31	TYPE: 38.1D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 42	Shielding Angle:



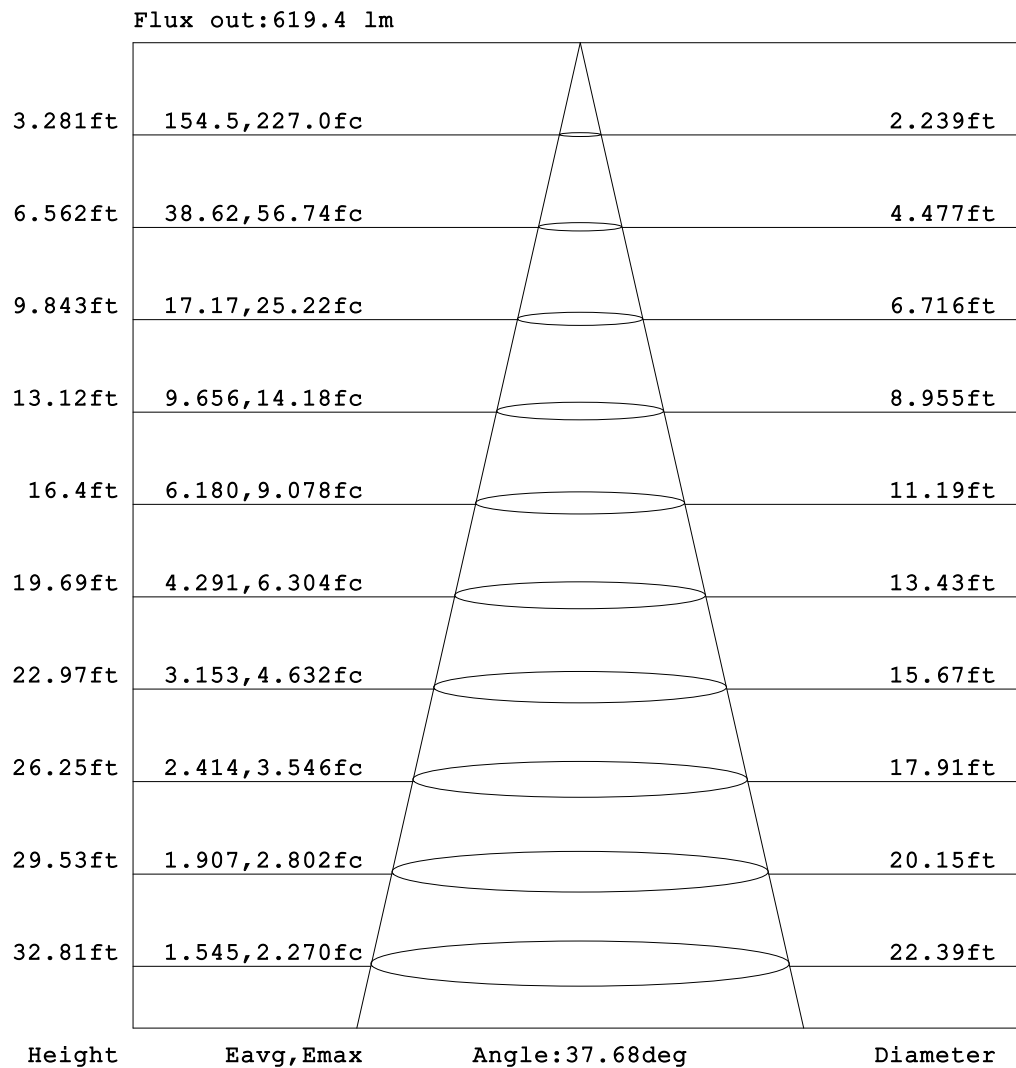
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C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

AAI Figure

NAME: TLO015-31	TYPE:38.1D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:42	Shielding Angle:



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

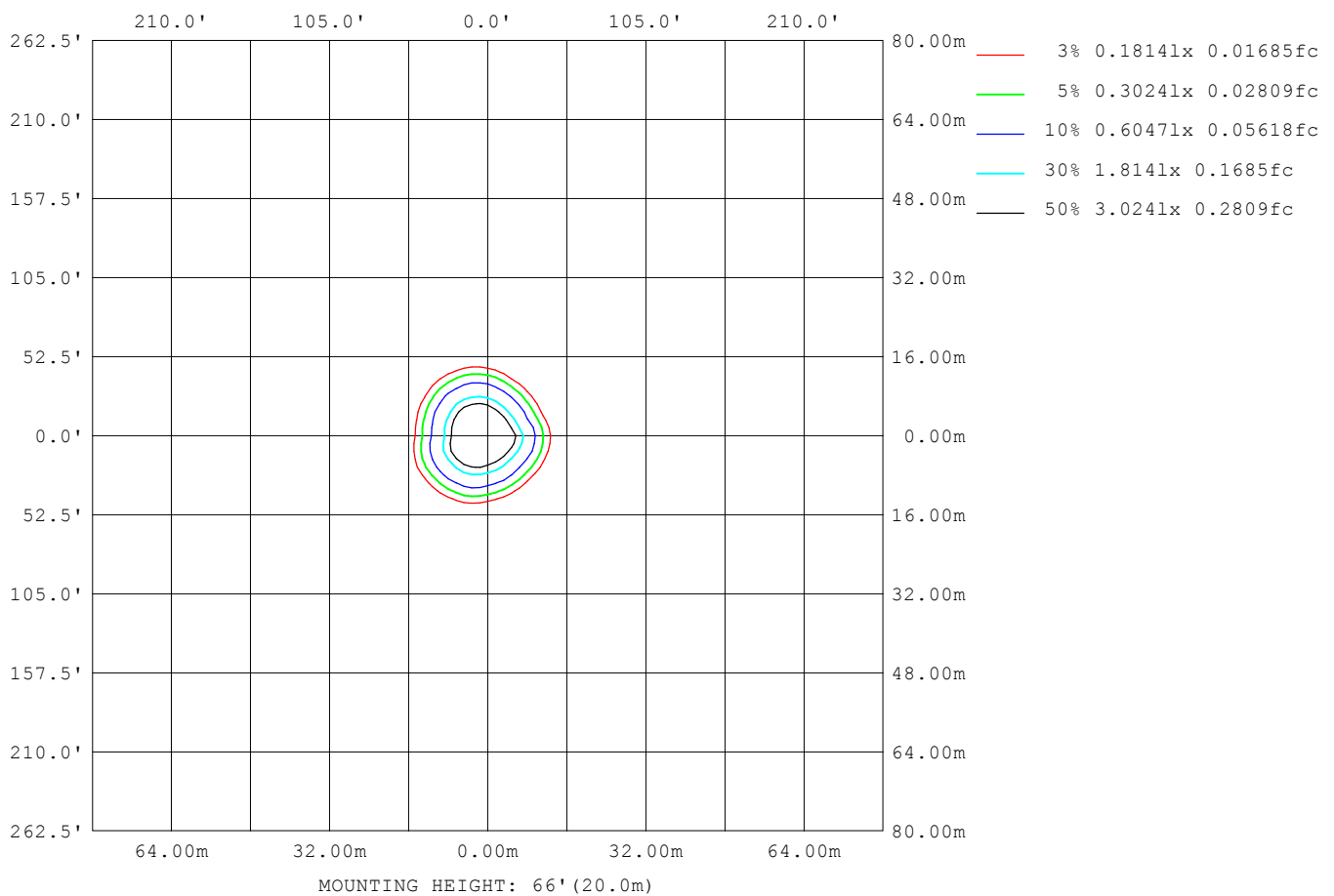
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Humidity:65.0%
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Remarks:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO015-31	TYPE:38.1D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:42	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
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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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO015-31	TYPE:38.1D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:42	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	6325
L_0~180 (75) av	812
L_0~180 (85) av	1682
L_90~270 (65) av	5083
L_90~270 (75) av	879
L_90~270 (85) av	1783
L_45 (65) av	7575
L_45 (75) av	911
L_45 (85) av	1764

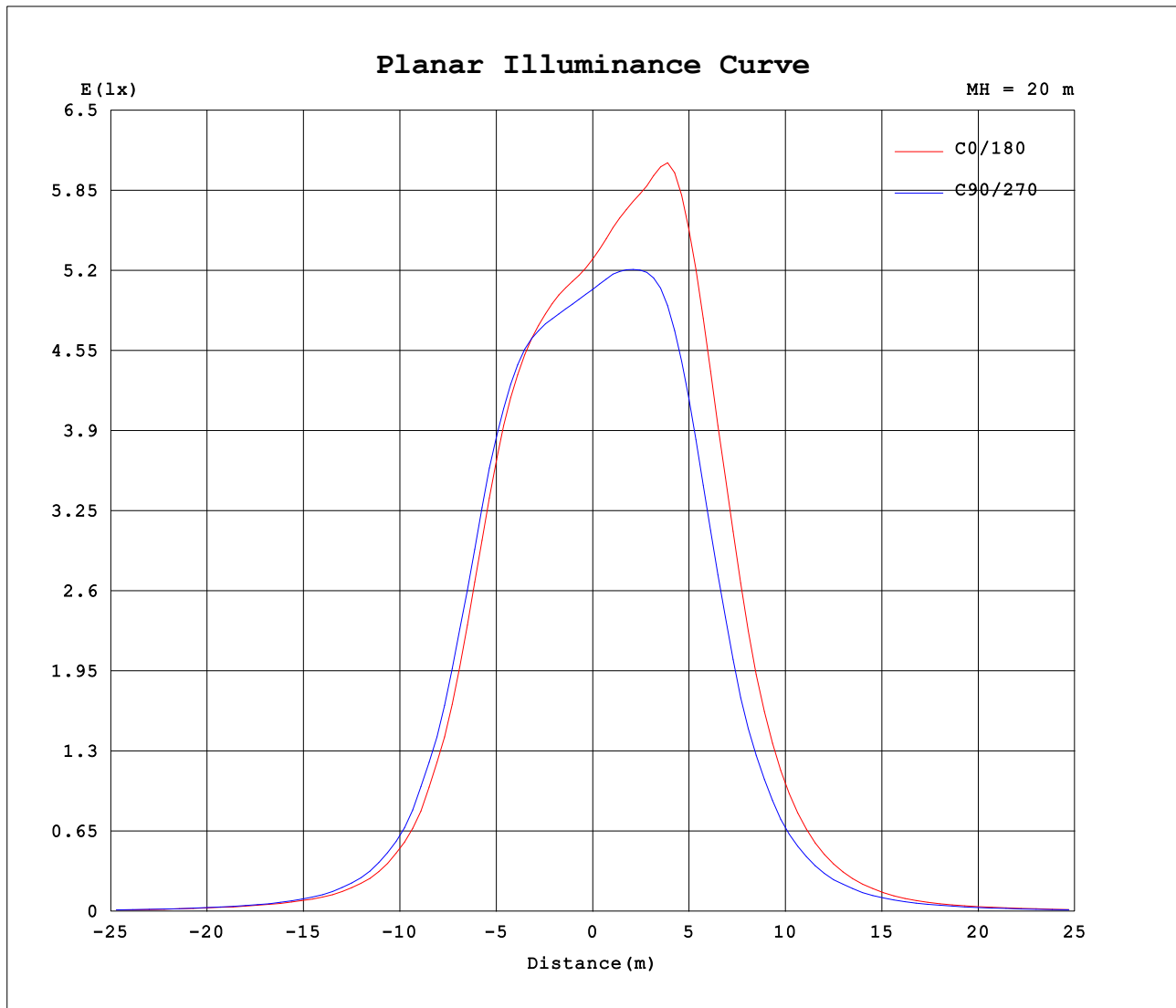
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: CJY
 Test Date: 2024-01-25

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:

TLO015-31 36V350mA CMA1306-30G-NOU 38.1D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-31	TYPE: 38.1D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 42	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	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048			
5	1957	1943	1947	1961	1990	2019	2060	2134	2229	2254	2235	2194	2136	2070	2021	1987			
10	1829	1784	1765	1826	1937	2052	2163	2293	2447	2489	2457	2368	2148	1916	1812	1769			
15	1440	1356	1290	1400	1619	1938	2218	2424	2236	2338	2369	2079	1723	1327	1181	1140			
20	784	727	655	770	963	1359	1665	1867	1438	1538	1611	1304	1001	689	582	556			
25	351	320	287	342	450	700	920	1040	709	778	841	670	490	323	265	247			
30	161	150	134	158	205	319	426	488	332	364	396	319	232	154	129	119			
35	82.6	77.7	73.5	81.4	101	154	198	225	156	172	187	153	113	79.9	69.1	66.2			
40	49.0	46.7	44.5	48.6	57.7	78.1	98.9	108	76.8	84.3	91.3	77.6	61.2	47.4	42.2	40.6			
45	32.2	30.3	28.5	31.4	36.5	46.4	54.4	57.6	43.4	46.5	49.8	44.6	37.3	30.3	27.0	26.2			
50	20.6	19.6	18.1	20.1	23.1	29.8	34.2	35.3	27.4	29.0	30.9	28.1	23.8	19.5	16.8	16.5			
55	12.0	11.3	10.6	11.5	13.1	18.7	22.3	23.0	17.3	18.6	19.9	17.8	14.7	12.0	10.6	10.3			
60	7.56	7.03	6.33	7.17	8.22	11.2	13.1	14.1	11.3	12.2	13.1	11.6	9.39	7.25	6.01	5.63			
65	2.01	1.74	1.30	1.88	3.25	6.59	7.96	8.65	5.39	6.48	7.47	5.95	2.69	1.33	1.00	0.94			
70	0.55	0.48	0.45	0.49	0.66	1.26	1.89	2.04	0.78	0.90	1.11	0.83	0.61	0.44	0.36	0.36			
75	0.28	0.24	0.26	0.26	0.35	0.42	0.50	0.49	0.31	0.33	0.36	0.33	0.27	0.21	0.19	0.20			
80	0.23	0.23	0.24	0.24	0.25	0.24	0.26	0.25	0.19	0.19	0.18	0.19	0.19	0.19	0.19	0.19			
85	0.23	0.24	0.24	0.25	0.24	0.24	0.23	0.23	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.19			
90	0.24	0.27	0.26	0.28	0.24	0.25	0.24	0.24	0.18	0.18	0.18	0.19	0.21	0.21	0.23	0.21			
95	0.27	0.30	0.30	0.31	0.28	0.28	0.25	0.26	0.22	0.20	0.22	0.20	0.24	0.25	0.28	0.27			
100	0.33	0.36	0.36	0.37	0.32	0.32	0.28	0.30	0.27	0.23	0.26	0.25	0.30	0.31	0.35	0.33			
105	0.43	0.46	0.48	0.47	0.41	0.38	0.34	0.35	0.33	0.30	0.32	0.37	0.41	0.47	0.45				
110	0.61	0.66	0.71	0.65	0.56	0.48	0.42	0.43	0.43	0.39	0.40	0.42	0.49	0.59	0.69	0.70			
115	0.99	1.07	1.18	1.03	0.85	0.68	0.59	0.58	0.61	0.56	0.56	0.60	0.73	0.95	1.14	1.19			
120	1.75	1.89	2.10	1.79	1.44	1.07	0.91	0.86	0.96	0.90	0.88	0.97	1.23	1.68	2.03	2.15			
125	3.08	3.33	3.62	3.13	2.54	1.85	1.57	1.46	1.69	1.60	1.52	1.73	2.18	2.95	3.53	3.67			
130	4.99	5.30	5.69	5.04	4.19	3.20	2.75	2.55	2.92	2.74	2.67	2.98	3.66	4.71	5.47	5.72			
135	7.18	7.53	7.94	7.24	6.28	5.04	4.40	4.14	4.55	4.29	4.26	4.63	5.55	6.77	7.70	7.97			
140	9.43	9.82	10.2	9.56	8.52	7.19	6.40	6.09	6.52	6.23	6.22	6.67	7.73	9.07	10.03	10.3			
145	11.6	12.0	12.4	11.8	10.8	9.48	8.65	8.31	8.77	8.46	8.46	8.97	10.09	11.4	12.3	12.4			
150	13.4	13.7	14.1	13.8	13.0	11.8	11.0	10.7	11.2	10.9	10.9	11.4	12.5	13.6	14.1	14.1			
155	14.3	14.6	15.0	15.1	14.7	13.9	13.3	13.0	13.2	13.1	13.2	13.6	14.4	14.9	14.9	14.7			
160	14.1	14.3	14.7	15.1	15.3	15.0	14.7	14.5	14.3	14.3	14.6	14.8	15.2	15.0	14.6	14.2			
165	13.2	13.2	13.7	14.3	14.9	15.2	15.1	14.9	14.4	14.5	14.9	15.0	15.0	14.4	13.7	13.3			
170	12.2	12.3	12.7	13.4	14.2	14.6	14.7	14.7	13.8	14.1	14.4	14.5	14.2	13.7	12.9	12.5			
175	11.8	12.0	12.6	13.1	13.7	13.9	14.2	14.0	13.0	13.4	13.9	13.9	13.7	13.5	13.1	12.4			
180	12.4	12.7	13.3	13.5	13.7	13.6	13.6	13.2	12.5	12.7	13.3	13.5	13.7	13.6	13.7	13.2			

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