

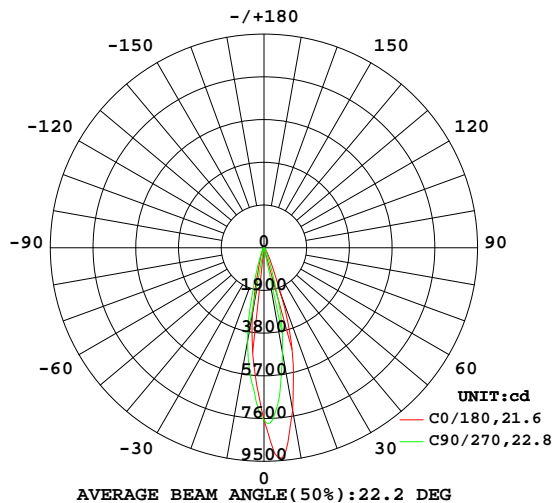
TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

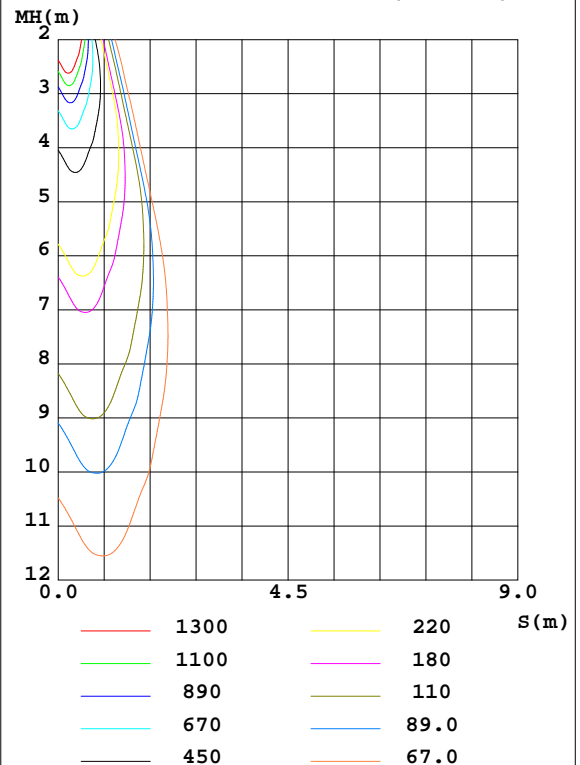
NAME: TLO020-21	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.10 lm/W			
MODEL		Imax(cd)	9596	S/MH(C0/180)	0.27
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1773.9	η UP, DN(C0-180)	1.2, 56.4
NOMINAL FLUX(lm)	1773.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 41.2
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	1.00

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

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:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	7351	6317	4738	3870	2941	3341	4204	5168	0- 10	579.9	579.9	32.7,32.7
20	2224	1491	839.5	565.4	419.1	514.2	744.1	1039	10- 20	681.1	1261	71.1,71.1
30	365.5	257.6	175.0	145.5	138.0	149.4	181.7	239.0	20- 30	202.4	1463	82.5,82.5
40	128.6	110.9	95.91	87.25	88.76	88.80	94.86	101.7	30- 40	84.40	1548	87.3,87.3
50	85.58	78.85	70.48	65.18	65.72	64.41	68.14	72.71	40- 50	64.37	1612	90.9,90.9
60	63.79	58.29	51.33	46.75	44.10	45.46	49.12	53.76	50- 60	55.11	1667	94,94
70	41.70	37.91	31.29	26.09	21.42	23.03	27.63	32.12	60- 70	40.37	1708	96.3,96.3
80	18.51	15.12	10.30	5.961	2.178	2.238	5.796	10.71	70- 80	20.13	1728	97.4,97.4
90	2.004	1.427	0.9264	0.6370	0.7552	0.6734	0.5880	0.7565	80- 90	3.741	1732	97.6,97.6
100	0.8213	0.7966	0.8386	0.8847	1.068	0.9683	0.8655	0.7762	90-100	0.8672	1732	97.7,97.7
110	1.118	1.094	1.142	1.218	1.444	1.286	1.149	1.052	100-110	1.075	1734	97.7,97.7
120	1.539	1.573	1.768	1.999	2.631	2.141	1.697	1.478	110-120	1.422	1735	97.8,97.8
130	3.134	3.512	4.551	5.664	8.007	6.607	4.715	3.601	120-130	2.681	1738	98,98
140	9.441	10.17	12.23	14.17	17.85	15.94	12.79	10.45	130-140	6.500	1744	98.3,98.3
150	19.39	19.87	21.15	22.06	25.31	23.89	21.50	19.45	140-150	10.79	1755	98.9,98.9
160	25.27	24.88	24.57	23.77	24.76	24.65	24.27	23.35	150-160	10.87	1766	99.5,99.5
170	22.90	21.58	20.07	18.17	17.99	17.71	18.68	19.13	160-170	6.436	1772	99.9,99.9
180	16.80	16.08	14.50	14.72	16.87	16.17	14.53	14.74	170-180	1.655	1774	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

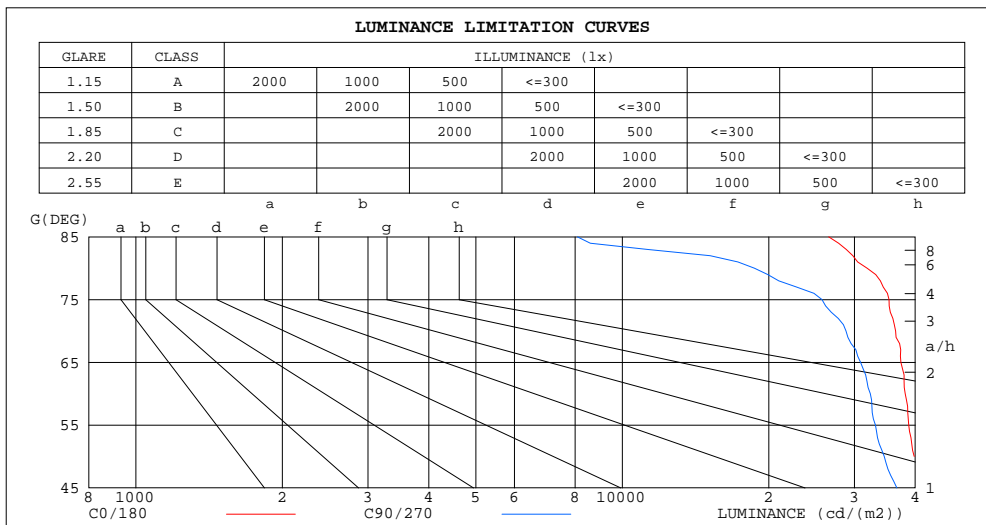
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2024-11-15

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:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO020-21	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	26558	8080
80	31863	18684
75	35342	25734
70	36455	28817
65	37389	30889
60	38146	32333
55	38805	33142
50	39807	34535
45	42931	36669

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

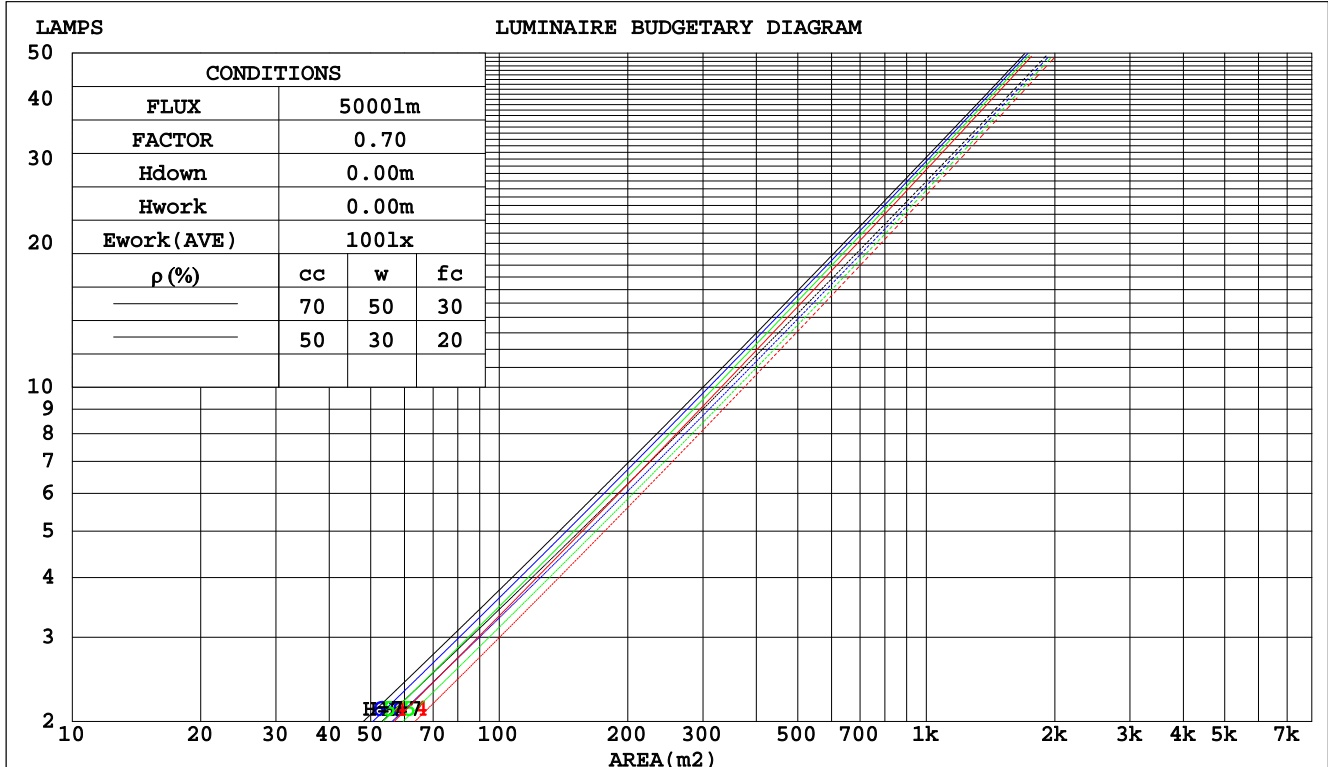
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-21	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	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	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.96	.95	.94	.93
2.0	1.04	1.01	.98	1.02	.99	.97	.99	.96	.94	.96	.94	.92	.93	.91	.89	.88
3.0	.99	.95	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.89	.87	.85	.84
4.0	.94	.89	.86	.93	.89	.85	.90	.87	.84	.88	.85	.83	.86	.84	.82	.80
5.0	.90	.85	.82	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.81	.78	.77
6.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.76	.74
7.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.78	.75	.73	.72
8.0	.80	.75	.72	.80	.75	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.71	.68	.75	.70	.68	.74	.70	.67	.73	.70	.67	.72	.69	.67	.66



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:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO020-21	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	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	.164	.093	.029	.156	.089	.028	.142	.082	.026	.130	.075	.024	.118	.068	.022		
2.0	.152	.084	.026	.146	.080	.025	.134	.075	.023	.124	.069	.022	.114	.064	.020		
3.0	.142	.075	.023	.136	.073	.022	.126	.068	.021	.117	.064	.020	.109	.060	.019		
4.0	.132	.068	.020	.127	.067	.020	.119	.063	.019	.111	.059	.018	.103	.056	.017		
5.0	.123	.063	.018	.119	.061	.018	.112	.058	.017	.105	.055	.016	.098	.053	.016		
6.0	.116	.058	.017	.112	.057	.016	.106	.054	.016	.100	.052	.015	.094	.049	.015		
7.0	.109	.054	.015	.106	.053	.015	.100	.051	.015	.095	.049	.014	.090	.047	.014		
8.0	.103	.050	.014	.100	.049	.014	.095	.048	.014	.090	.046	.013	.086	.044	.013		
9.0	.098	.047	.013	.095	.046	.013	.091	.045	.013	.087	.043	.012	.082	.042	.012		
10.0	.093	.045	.012	.091	.044	.012	.087	.043	.012	.083	.041	.012	.079	.040	.011		

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	.189	.176	.164	.161	.151	.141	.110	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.172	.151	.133	.147	.130	.115	.101	.090	.080	.058	.052	.047	.019	.017	.015	
3.0	.158	.132	.111	.136	.114	.096	.093	.079	.068	.054	.046	.040	.017	.015	.013	
4.0	.147	.117	.094	.126	.101	.082	.086	.070	.058	.050	.041	.034	.016	.013	.011	
5.0	.136	.105	.082	.117	.091	.071	.081	.063	.050	.047	.037	.030	.015	.012	.010	
6.0	.128	.095	.072	.110	.083	.063	.076	.058	.044	.044	.034	.026	.014	.011	.009	
7.0	.120	.087	.064	.103	.076	.056	.071	.053	.040	.042	.031	.024	.013	.010	.008	
8.0	.114	.081	.058	.098	.070	.051	.068	.049	.036	.039	.029	.021	.013	.010	.007	
9.0	.108	.075	.053	.093	.065	.046	.064	.046	.033	.038	.027	.020	.012	.009	.006	
10.0	.103	.070	.049	.089	.061	.043	.062	.043	.030	.036	.025	.018	.012	.008	.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:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-21					TYPE:22D			WEIGHT:			
SPEC.:3000K CRI90					DIM.:			SERIAL No.:			
MFR.:					SUR.:64			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		18.8	19.5	19.0	19.7	19.9	18.0	18.7	18.2	18.9	19.1
3H		20.4	21.1	20.6	21.3	21.5	19.4	20.1	19.7	20.3	20.6
4H		21.0	21.7	21.3	22.0	22.2	19.9	20.6	20.2	20.9	21.1
6H		21.6	22.2	21.9	22.5	22.8	20.2	20.9	20.6	21.1	21.4
8H		21.7	22.3	22.0	22.6	22.9	20.3	20.9	20.6	21.2	21.5
12H		21.8	22.4	22.2	22.7	23.0	20.2	20.8	20.6	21.1	21.5
4H	2H	19.3	20.0	19.6	20.3	20.5	18.7	19.4	19.0	19.6	19.9
	3H	21.1	21.7	21.5	22.0	22.3	20.3	20.9	20.7	21.2	21.6
	4H	21.9	22.5	22.3	22.8	23.2	21.0	21.5	21.4	21.9	22.2
	6H	22.6	23.1	23.0	23.4	23.8	21.4	21.9	21.8	22.2	22.6
	8H	22.8	23.2	23.2	23.6	24.0	21.4	21.9	21.9	22.3	22.7
	12H	22.9	23.3	23.3	23.7	24.2	21.4	21.8	21.9	22.3	22.7
8H	4H	22.2	22.6	22.6	23.0	23.4	21.3	21.8	21.7	22.2	22.6
	6H	22.9	23.3	23.4	23.7	24.2	21.8	22.2	22.3	22.6	23.1
	8H	23.2	23.5	23.7	24.0	24.5	21.9	22.3	22.4	22.7	23.2
	12H	23.4	23.7	23.9	24.2	24.7	22.0	22.2	22.5	22.7	23.2
12H	4H	22.1	22.5	22.6	23.0	23.4	21.3	21.7	21.8	22.2	22.6
	6H	22.9	23.3	23.4	23.7	24.2	21.9	22.2	22.4	22.7	23.2
	8H	23.2	23.5	23.7	24.0	24.5	22.0	22.3	22.5	22.8	23.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.2					+ 0.2 / - 0.4				

CIE Pub.117, 1774 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:2024-11-15

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:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO020-21	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	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	84	77	73	83	77	73	82	76	72	69
0.80	91	85	81	90	84	81	89	84	80	76
1.00	96	90	86	95	89	85	93	89	85	80
1.25	100	94	91	99	94	90	97	92	89	84
1.50	103	98	94	102	97	93	99	95	92	87
2.00	106	102	98	105	100	97	101	98	95	89
2.50	108	104	101	106	103	100	103	100	97	91
3.00	110	106	103	108	105	102	104	101	99	92
4.00	112	109	107	110	107	105	106	104	102	94
5.00	114	111	109	111	109	107	107	105	104	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNM = 1.25		

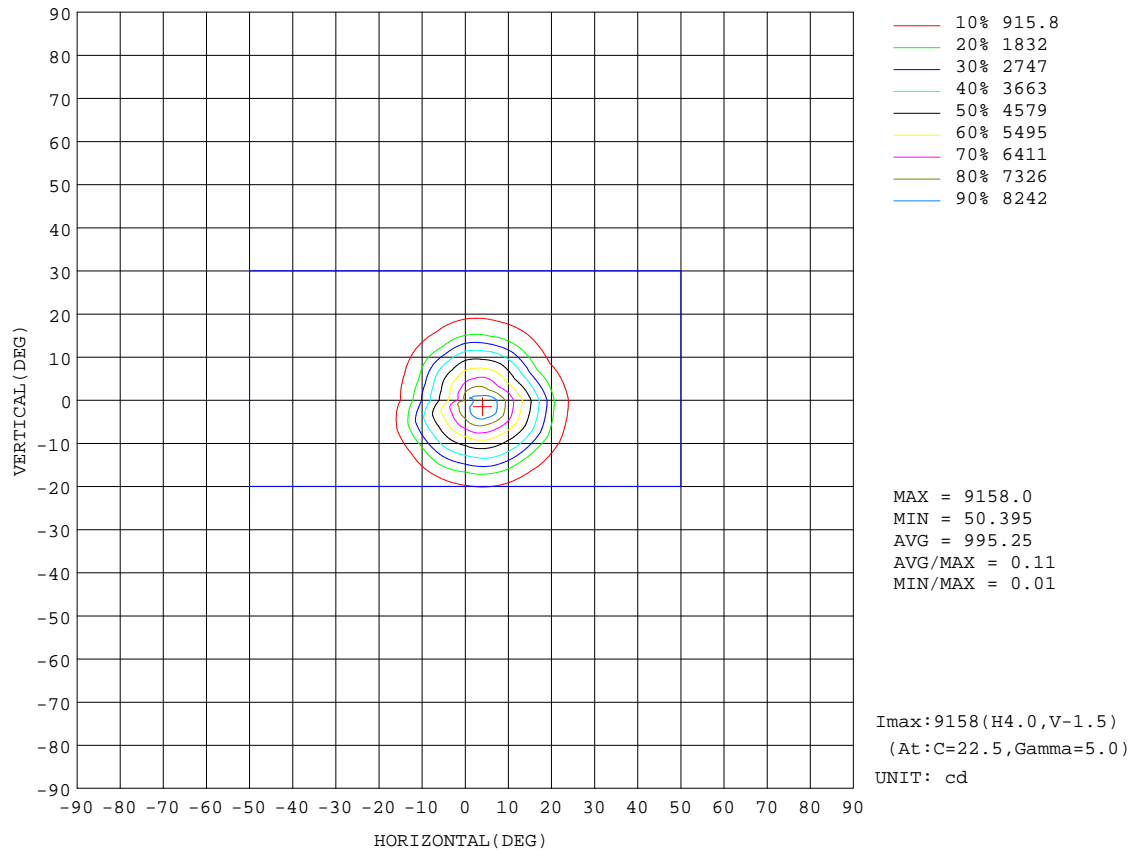
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 Temperature: 28DEG
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γ Range: 0 - 180DEG
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 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO020-21	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:



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

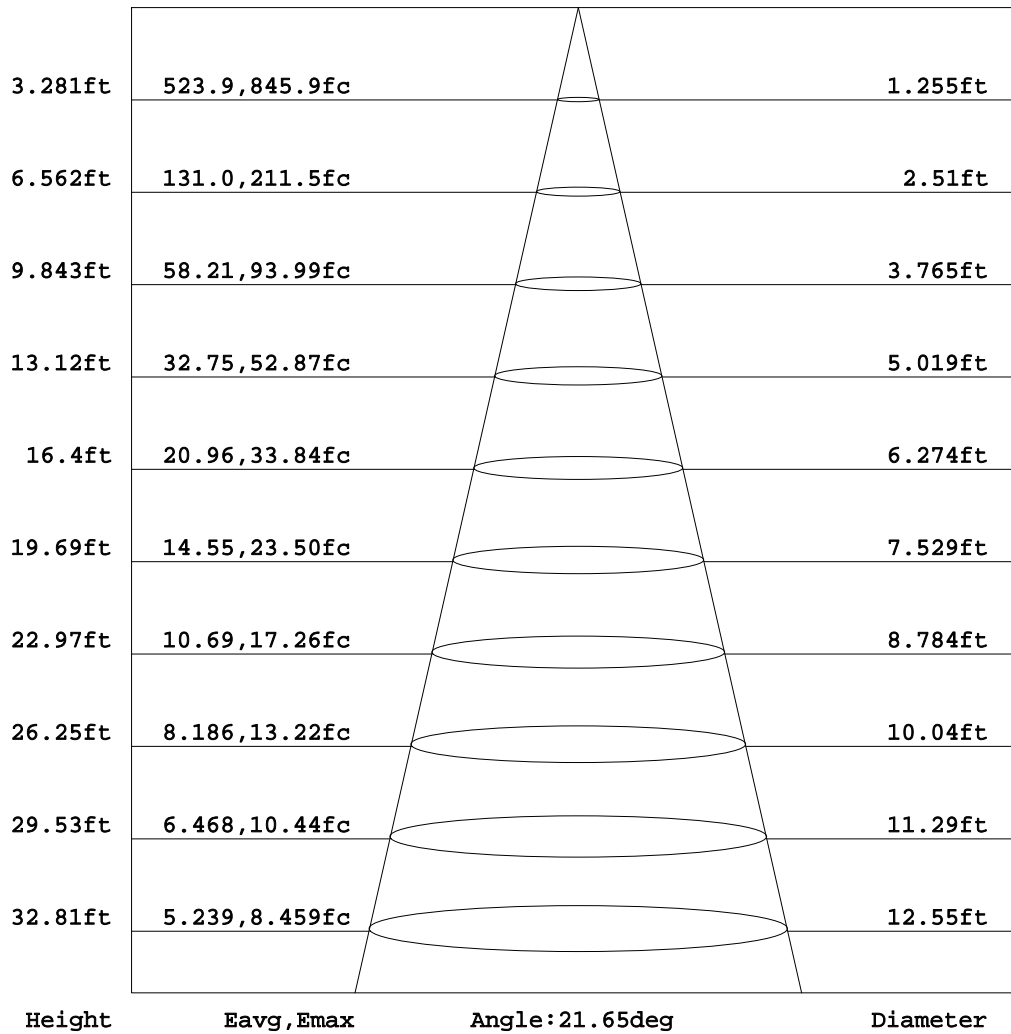
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γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
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Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

AAI Figure

NAME: TLO020-21	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	Shielding Angle:

Flux out:669.4 lm



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

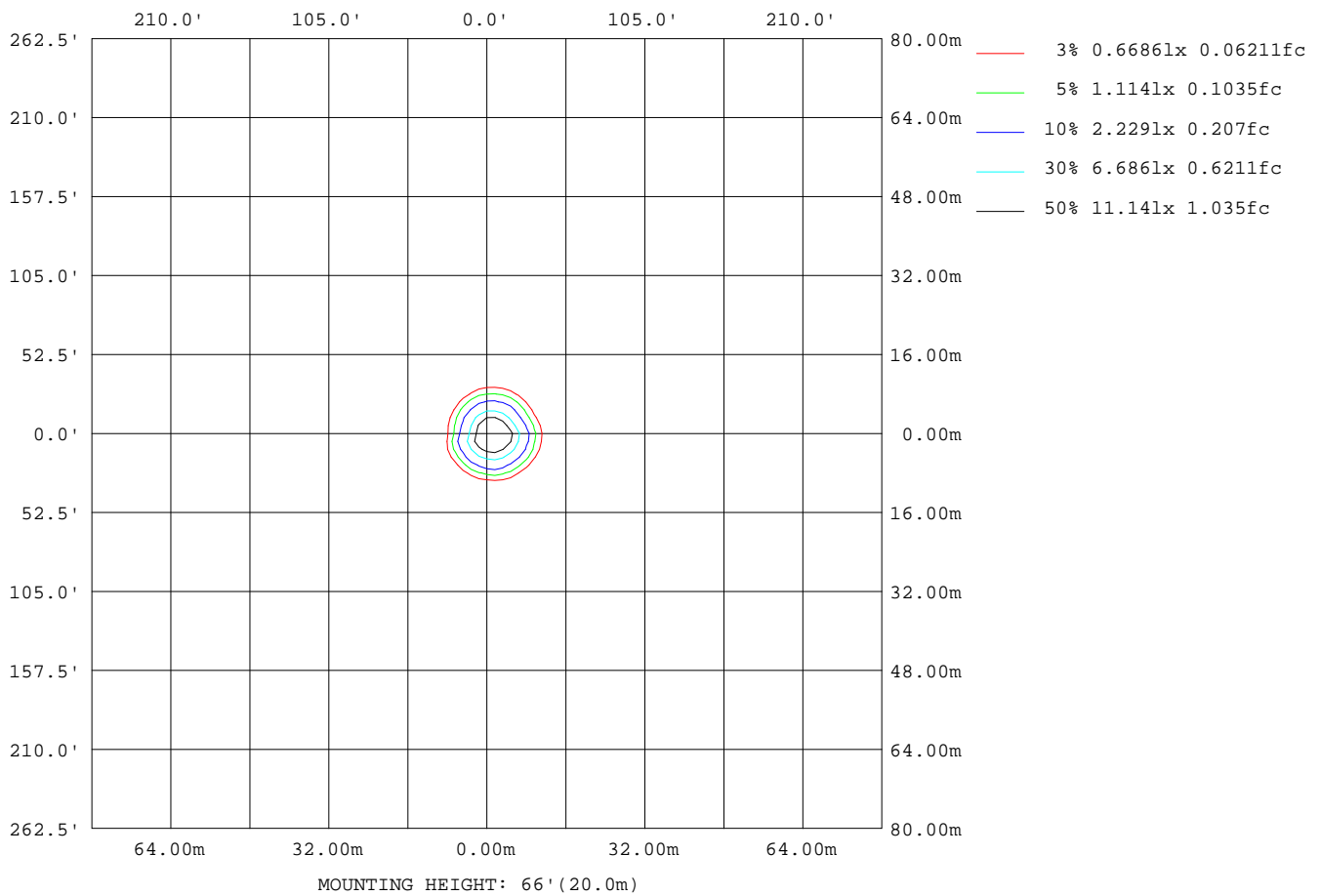
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Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO020-21	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:



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

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO020-21	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	Shielding Angle:

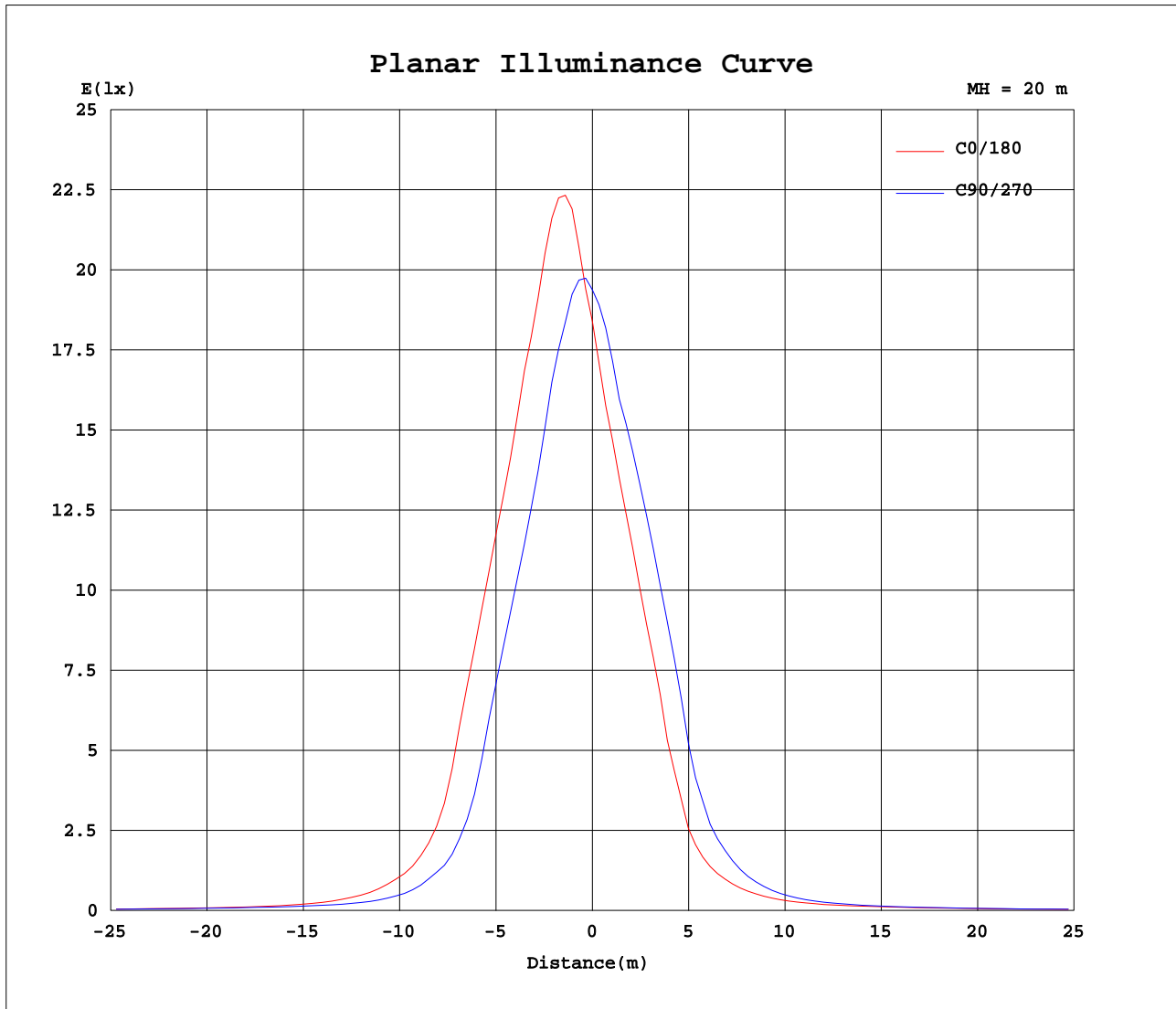
AvgL	cd/m2
L_0~180(65)av	31470
L_0~180(75)av	24479
L_0~180(85)av	15057
L_90~270(65)av	29355
L_90~270(75)av	22237
L_90~270(85)av	6957
L_45(65)av	29991
L_45(75)av	22689
L_45(85)av	8817

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

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:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 22D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	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	7665	7665	7665	7665	7665	7665	7665	7665	7665	7665	7665	7665	7665	7665	7665	7665			
5	9379	9596	8895	7956	7016	6434	5888	5701	5224	5253	5463	5724	6081	6391	6980	7296			
10	7351	7453	6317	5579	4738	4329	3870	3680	2941	2894	3341	3679	4204	4567	5168	5448			
15	4906	4833	4053	3497	2634	2171	1607	1508	950	1006	1207	1372	1822	2171	2943	3266			
20	2224	2219	1491	1192	840	685	565	534	419	436	514	618	744	850	1039	1114			
25	779	773	588	475	346	300	259	255	218	225	248	285	337	391	471	498			
30	366	346	258	221	175	163	146	143	138	140	149	159	182	206	239	238			
35	196	186	152	137	119	111	104	102	105	106	108	112	121	129	142	139			
40	129	126	111	104	95.9	92.1	87.3	85.5	88.8	88.3	88.8	90.9	94.9	97.8	102	101			
45	102	100	92.6	87.9	82.3	78.9	75.1	74.0	75.8	75.0	74.6	78.5	79.6	81.8	84.4	83.3			
50	85.6	85.2	78.9	77.0	70.5	67.8	65.2	65.2	65.7	64.6	64.4	71.7	68.1	70.1	72.7	73.5			
55	74.4	73.4	68.3	67.2	60.4	58.5	56.2	55.7	55.5	55.1	55.5	59.8	58.9	60.5	63.5	65.3			
60	63.8	63.1	58.3	56.5	51.3	49.3	46.8	45.4	44.1	44.1	45.5	47.8	49.1	50.5	53.8	54.9			
65	52.8	53.2	49.0	46.9	41.4	39.4	36.2	34.8	32.5	32.7	34.0	36.0	38.2	40.1	43.6	44.0			
70	41.7	42.0	37.9	35.6	31.3	29.1	26.1	24.8	21.4	21.2	23.0	24.9	27.6	29.6	32.1	32.8			
75	30.6	30.7	26.8	24.9	21.1	18.9	15.5	13.9	10.08	9.86	11.5	13.4	15.8	18.5	21.7	22.4			
80	18.5	18.9	15.1	13.5	10.3	8.69	5.96	4.60	2.18	2.15	2.24	3.10	5.80	8.03	10.7	11.6			
85	7.74	7.97	5.17	3.60	2.24	2.05	1.79	1.58	0.68	0.64	0.91	1.28	1.66	1.81	1.99	1.99			
90	2.00	2.05	1.43	1.54	0.93	0.64	0.64	0.67	0.76	0.72	0.67	0.62	0.59	0.55	0.76	0.95			
95	0.71	0.70	0.68	0.71	0.71	0.74	0.75	0.78	0.91	0.87	0.82	0.76	0.72	0.67	0.64	0.61			
100	0.82	0.82	0.80	0.84	0.84	0.87	0.88	0.92	1.07	1.03	0.97	0.92	0.87	0.80	0.78	0.74			
105	0.96	0.96	0.94	0.98	0.99	1.02	1.04	1.06	1.23	1.18	1.12	1.05	1.01	0.94	0.91	0.88			
110	1.12	1.11	1.09	1.13	1.14	1.18	1.22	1.24	1.44	1.39	1.29	1.20	1.15	1.08	1.05	1.02			
115	1.29	1.29	1.28	1.33	1.37	1.42	1.48	1.51	1.81	1.74	1.56	1.44	1.34	1.25	1.21	1.18			
120	1.54	1.55	1.57	1.65	1.77	1.85	2.00	2.05	2.63	2.54	2.14	1.92	1.70	1.57	1.48	1.43			
125	2.01	2.02	2.16	2.30	2.62	2.83	3.21	3.37	4.60	4.45	3.70	3.16	2.62	2.34	2.06	1.98			
130	3.13	3.17	3.51	3.87	4.55	4.98	5.66	5.97	8.01	7.82	6.61	5.69	4.72	4.17	3.60	3.42			
135	5.58	5.61	6.20	6.81	7.81	8.47	9.42	9.84	12.8	12.5	10.9	9.66	8.16	7.26	6.40	6.02			
140	9.44	9.44	10.17	11.0	12.2	13.1	14.2	14.5	17.8	17.5	15.9	14.6	12.8	11.6	10.4	9.87			
145	14.4	14.4	15.1	16.0	17.1	17.7	18.6	18.8	22.2	22.0	20.5	19.3	17.5	16.4	15.2	14.6			
150	19.4	19.4	19.9	20.5	21.2	21.5	22.1	22.0	25.3	25.1	23.9	23.1	21.5	20.6	19.5	18.9			
155	23.3	23.3	23.4	23.8	23.9	23.9	23.9	23.6	26.2	26.1	25.4	25.1	23.9	23.2	22.5	22.0			
160	25.3	25.3	24.9	25.0	24.6	24.2	23.8	23.2	24.8	24.9	24.6	24.9	24.3	23.7	23.3	23.0			
165	25.0	25.0	24.3	24.2	23.3	22.7	21.8	21.1	21.7	21.8	21.8	22.5	22.5	22.2	22.0	22.0			
170	22.9	22.9	21.6	21.3	20.1	19.1	18.2	17.7	18.0	18.1	17.7	18.2	18.7	18.8	19.1	19.5			
175	19.4	19.2	18.2	17.3	15.9	15.4	15.3	14.7	15.7	15.8	15.5	15.1	15.0	15.7	16.0	16.0			
180	16.8	16.5	16.1	15.1	14.5	14.3	14.7	14.2	16.9	16.5	16.2	15.0	14.5	14.3	14.7	14.2			

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