

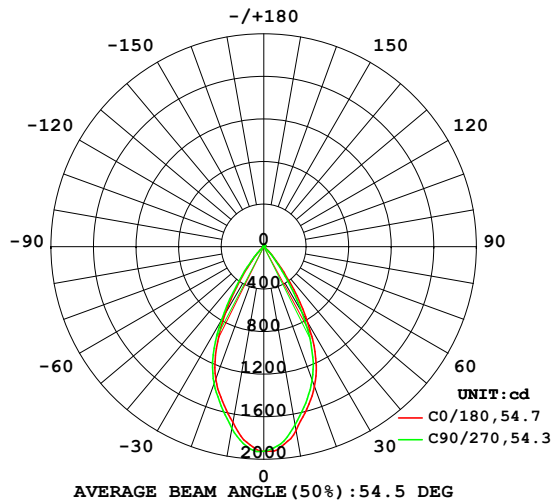
TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

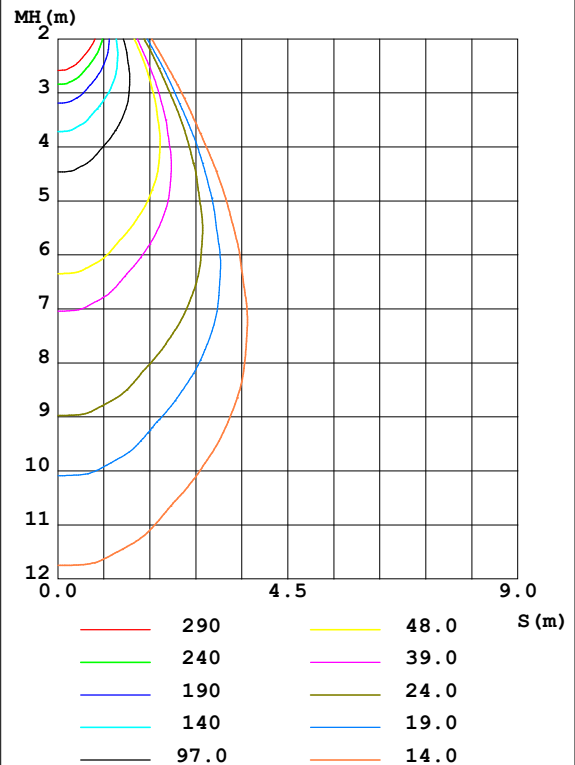
NAME: TLO025-31	TYPE: 54.5D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.05 lm/W			
MODEL		I _{max} (cd)	1927	S/MH (C0/180)	0.81
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	0.84
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1484.0	η UP, DN (C0-180)	1.2, 49.4
NOMINAL FLUX (lm)	1484	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.2, 48.3
LAMPS INSIDE	1	η up (%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	97.6	CIBSE SHR MAX	0.85

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:

TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 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	1753	1697	1700	1730	1678	1744	1732	1692	0- 10	173.6	173.6	11.7,11.7
20	1396	1341	1335	1368	1324	1380	1371	1335	10- 20	430.6	604.2	40.7,40.7
30	829.3	724.9	730.1	799.0	723.9	815.0	790.3	731.6	20- 30	496.6	1101	74.2,74.2
40	218.3	170.3	180.7	221.4	181.7	220.9	209.3	176.2	30- 40	277.3	1378	92.9,92.9
50	15.59	10.05	13.44	21.90	10.37	16.73	13.22	7.571	40- 50	66.09	1444	97.3,97.3
60	1.175	1.110	1.015	1.113	1.052	1.095	1.102	1.007	50- 60	3.070	1447	97.5,97.5
70	0.5173	0.4879	0.4712	0.5078	0.4086	0.4428	0.4194	0.3806	60- 70	0.7279	1448	97.6,97.6
80	0.2772	0.2669	0.2741	0.2682	0.2128	0.2028	0.2099	0.1972	70- 80	0.3303	1448	97.6,97.6
90	0.2617	0.2624	0.2632	0.2586	0.2089	0.2007	0.2077	0.2039	80- 90	0.2519	1449	97.6,97.6
100	0.3647	0.3879	0.3798	0.3431	0.3324	0.2980	0.3141	0.3460	90-100	0.2882	1449	97.6,97.6
110	1.063	1.222	1.174	1.033	1.061	0.8967	0.9361	1.076	100-110	0.6520	1450	97.7,97.7
120	3.029	3.369	3.279	3.019	3.108	2.751	2.810	3.107	110-120	1.904	1451	97.8,97.8
130	6.268	6.848	6.725	6.345	6.523	5.997	6.083	6.486	120-130	4.119	1456	98.1,98.1
140	10.48	11.05	11.01	10.58	10.81	10.22	10.29	10.70	130-140	6.518	1462	98.5,98.5
150	14.31	14.85	14.92	14.57	14.58	14.18	14.25	14.43	140-150	7.906	1470	99.1,99.1
160	16.55	17.00	17.37	16.99	16.80	16.57	16.81	16.68	150-160	7.282	1477	99.5,99.5
170	18.07	18.30	18.68	18.49	18.37	18.21	18.29	18.19	160-170	4.967	1482	99.9,99.9
180	19.34	19.50	19.51	19.60	19.38	19.51	19.52	19.62	170-180	1.794	1484	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

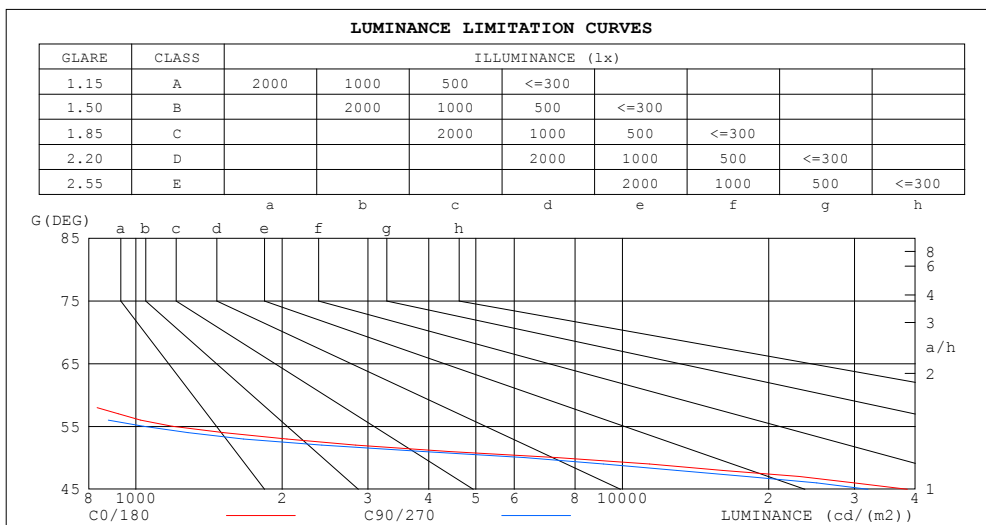
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:CJY
 Test Date:2024-08-30

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:

TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO025-31	TYPE: 54.5D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	887	894
80	484	476
75	407	386
70	458	415
65	577	506
60	712	612
55	1188	1036
50	7349	6305
45	38565	32004

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

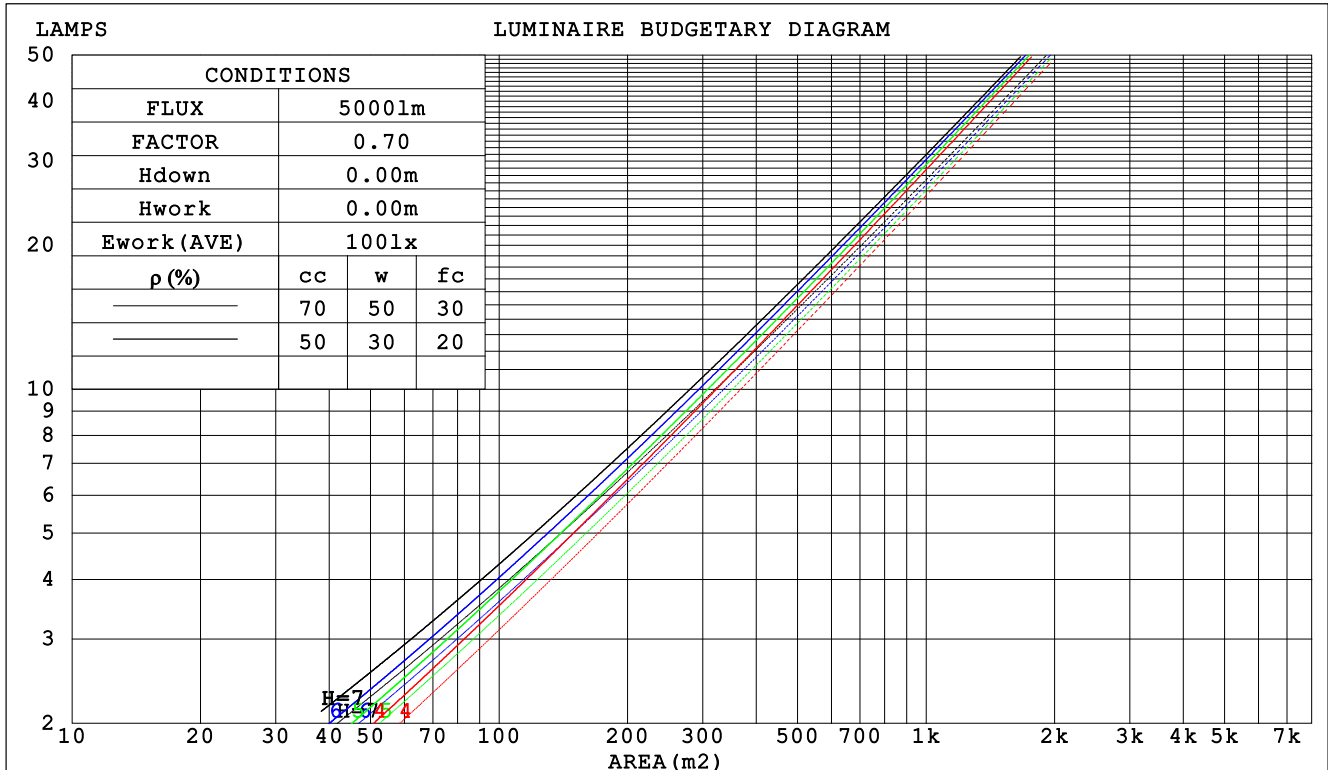
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO025-31	TYPE: 54.5D	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	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.99	.98	.97	.96	.95	.94	.92
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.92	.94	.92	.90	.91	.89	.88	.86
3.0	.96	.92	.88	.95	.90	.87	.92	.88	.85	.89	.86	.84	.87	.84	.82	.80
4.0	.90	.85	.81	.89	.84	.80	.87	.82	.79	.84	.81	.78	.82	.79	.77	.75
5.0	.85	.79	.75	.84	.78	.75	.82	.77	.74	.80	.76	.73	.78	.75	.72	.70
6.0	.80	.74	.70	.79	.73	.70	.77	.72	.69	.76	.71	.68	.74	.70	.68	.66
7.0	.75	.69	.65	.74	.69	.65	.73	.68	.65	.72	.67	.64	.70	.66	.64	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.63	.60	.67	.63	.60	.59
9.0	.67	.61	.58	.67	.61	.57	.66	.61	.57	.64	.60	.57	.63	.59	.57	.55
10.0	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.60	.56	.53	.52



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:

TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO025-31	TYPE: 54.5D	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	.173	.099	.031	.166	.095	.030	.152	.087	.028	.139	.080	.026	.127	.074	.024		
2.0	.165	.091	.028	.159	.088	.027	.147	.082	.025	.137	.077	.024	.126	.072	.023		
3.0	.158	.084	.025	.152	.081	.025	.142	.077	.023	.133	.073	.022	.124	.069	.021		
4.0	.150	.078	.023	.145	.076	.022	.137	.072	.022	.128	.069	.021	.121	.066	.020		
5.0	.143	.073	.021	.139	.071	.021	.131	.068	.020	.124	.065	.019	.117	.063	.019		
6.0	.137	.069	.020	.133	.067	.019	.126	.065	.019	.120	.062	.018	.114	.060	.018		
7.0	.131	.065	.018	.128	.064	.018	.121	.061	.018	.116	.059	.017	.110	.057	.017		
8.0	.125	.061	.017	.122	.060	.017	.117	.058	.017	.112	.057	.016	.107	.055	.016		
9.0	.120	.058	.016	.118	.057	.016	.113	.056	.016	.108	.054	.015	.103	.053	.015		
10.0	.115	.055	.015	.113	.055	.015	.109	.053	.015	.104	.052	.015	.100	.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	.189	.176	.163	.162	.151	.141	.111	.104	.097	.064	.060	.057	.020	.019	.018	
2.0	.174	.151	.132	.149	.130	.114	.102	.090	.079	.059	.052	.047	.019	.017	.015	
3.0	.161	.132	.109	.138	.114	.094	.095	.079	.066	.055	.046	.039	.018	.015	.013	
4.0	.151	.117	.092	.130	.101	.080	.089	.071	.056	.052	.041	.033	.017	.013	.011	
5.0	.142	.106	.079	.122	.092	.069	.084	.064	.048	.049	.038	.029	.016	.012	.009	
6.0	.135	.097	.069	.116	.084	.060	.080	.059	.042	.046	.034	.025	.015	.011	.008	
7.0	.129	.089	.061	.111	.077	.053	.076	.054	.038	.044	.032	.023	.014	.010	.007	
8.0	.123	.083	.055	.106	.072	.048	.073	.050	.034	.043	.030	.020	.014	.010	.007	
9.0	.118	.078	.050	.102	.067	.044	.070	.047	.031	.041	.028	.019	.013	.009	.006	
10.0	.113	.073	.047	.098	.064	.041	.068	.045	.029	.040	.026	.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:

TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO025-31					TYPE:54.5D					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					19.6	20.5	19.8	20.7	20.9	18.7	19.6	19.0	19.8	20.0
3H					19.4	20.2	19.7	20.5	20.7	18.5	19.4	18.8	19.6	19.8
4H					19.3	20.1	19.6	20.4	20.6	18.4	19.2	18.7	19.5	19.7
6H					19.2	20.0	19.6	20.2	20.5	18.3	19.1	18.7	19.4	19.6
8H					19.2	19.9	19.5	20.2	20.5	18.3	19.0	18.6	19.3	19.6
12H					19.1	19.8	19.5	20.1	20.4	18.2	18.9	18.6	19.2	19.5
4H 2H					19.3	20.1	19.6	20.4	20.6	18.4	19.2	18.7	19.5	19.7
3H					19.1	19.8	19.5	20.1	20.4	18.2	18.9	18.6	19.2	19.5
4H					19.0	19.6	19.4	20.0	20.3	18.1	18.8	18.5	19.1	19.4
6H					18.9	19.5	19.3	19.8	20.2	18.0	18.6	18.5	19.0	19.3
8H					18.9	19.4	19.3	19.8	20.2	18.0	18.5	18.4	18.9	19.3
12H					18.8	19.3	19.3	19.7	20.1	17.9	18.4	18.4	18.8	19.2
8H 4H					18.9	19.4	19.3	19.8	20.2	18.0	18.5	18.4	18.9	19.3
6H					18.8	19.2	19.2	19.6	20.1	17.9	18.3	18.3	18.7	19.2
8H					18.7	19.1	19.2	19.5	20.0	17.8	18.2	18.3	18.6	19.1
12H					18.6	19.0	19.2	19.4	20.0	17.8	18.1	18.3	18.6	19.1
12H 4H					18.8	19.3	19.3	19.7	20.1	17.9	18.4	18.4	18.8	19.2
6H					18.7	19.1	19.2	19.5	20.0	17.8	18.2	18.3	18.6	19.1
8H					18.6	19.0	19.2	19.4	20.0	17.8	18.1	18.3	18.6	19.1
Variations with the observer position at spacings:														
S = 1.0H					+ 3.9 / -22.4					+ 3.6 / -21.7				
1.5H					+ 6.3 / -21.4					+ 6.0 / -20.6				
2.0H					+ 8.9 / -14.9					+ 8.8 / -14.0				

CIE Pub.117, 1484 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)

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:

UTILIZATION FACTORS TABLE

NAME: TLO025-31	TYPE:54.5D	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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	92	88	84	81
1.00	99	93	90	98	93	89	96	92	89	85
1.25	103	98	94	102	97	94	99	96	93	88
1.50	106	101	98	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	103	101	98	93
2.50	110	106	103	108	105	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	94
4.00	113	111	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	106	105	97
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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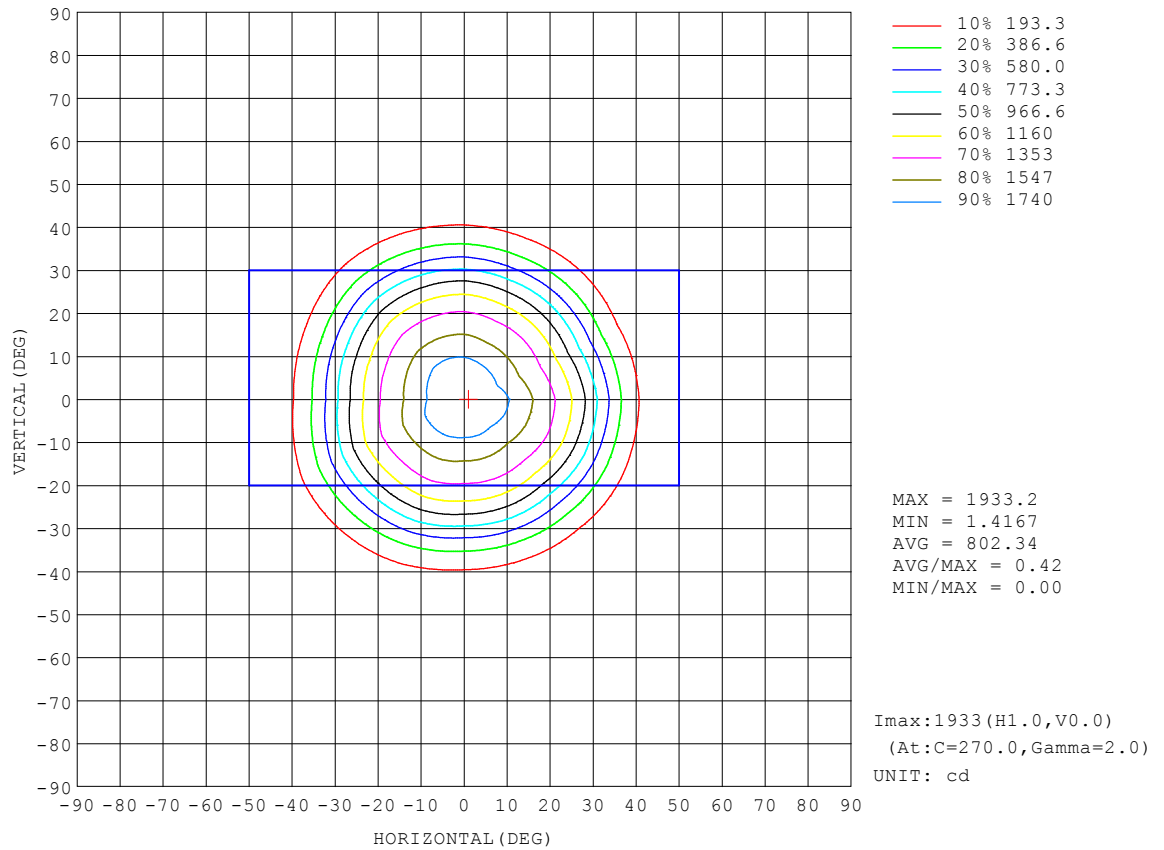
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Remarks:

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TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO025-31	TYPE: 54.5D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	Shielding Angle:



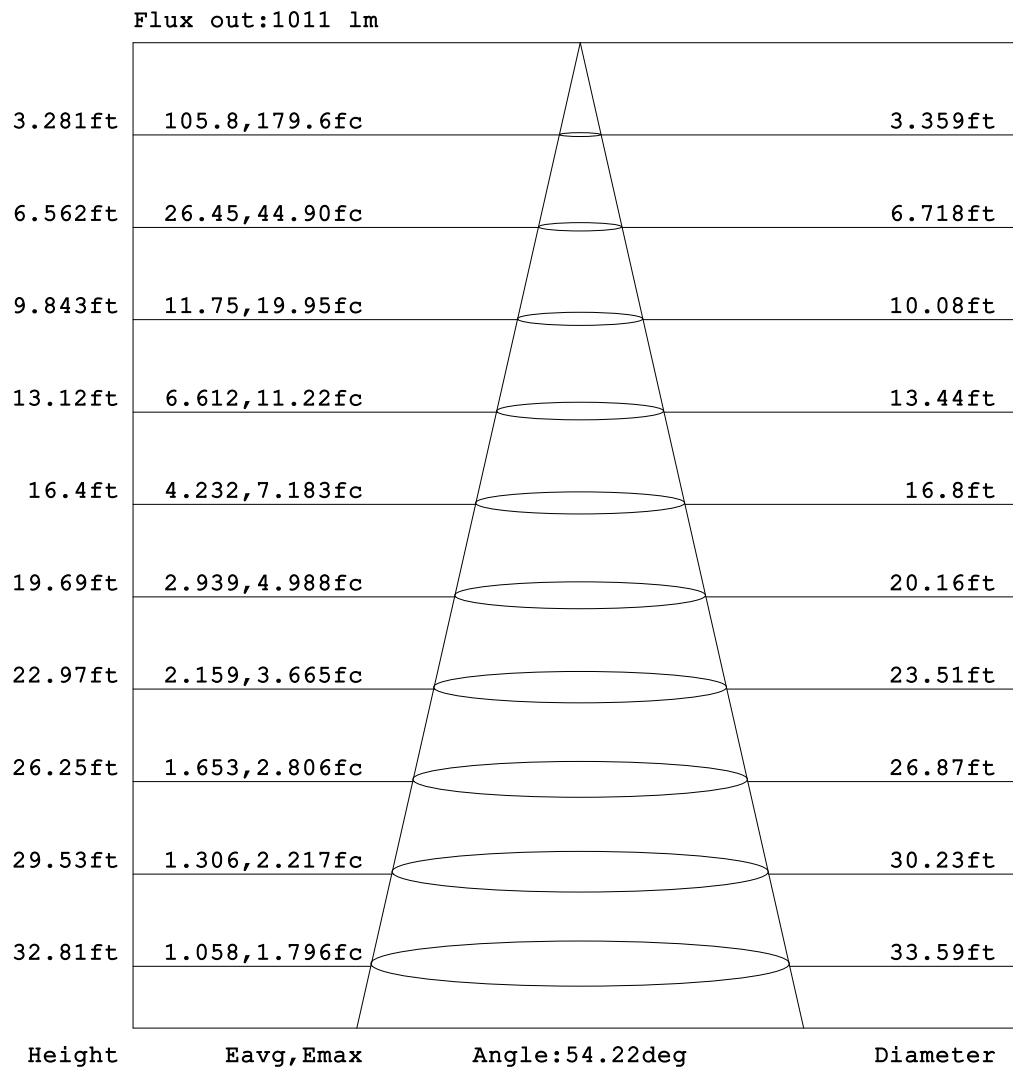
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Test Speed: HIGH
Temperature: 28DEG
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TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

AAI Figure

NAME: TLO025-31	TYPE: 54.5D	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.

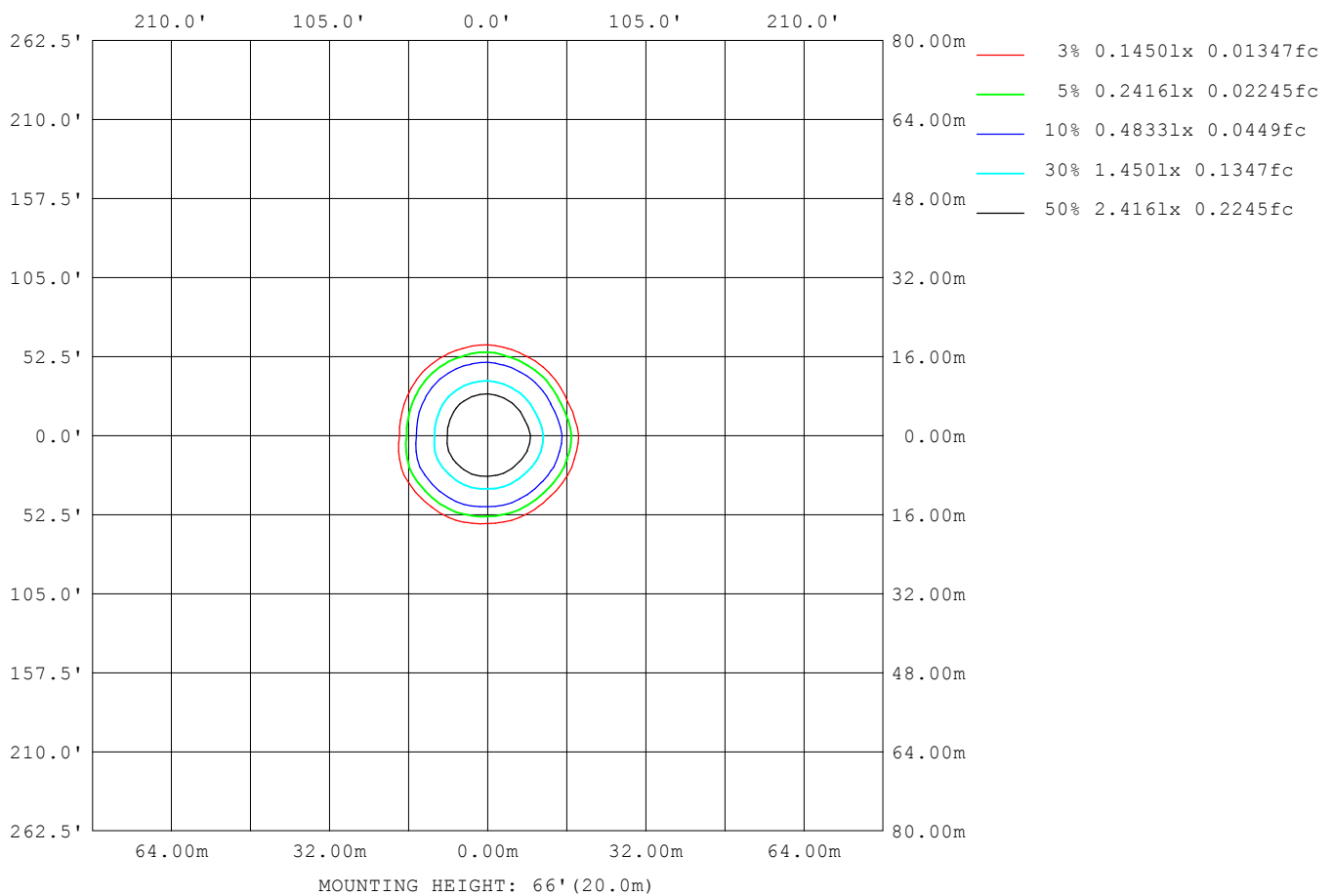
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TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO025-31	TYPE: 54.5D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 65	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
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Humidity: 65.0%
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Remarks:

TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO025-31	TYPE:54.5D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:65	Shielding Angle:

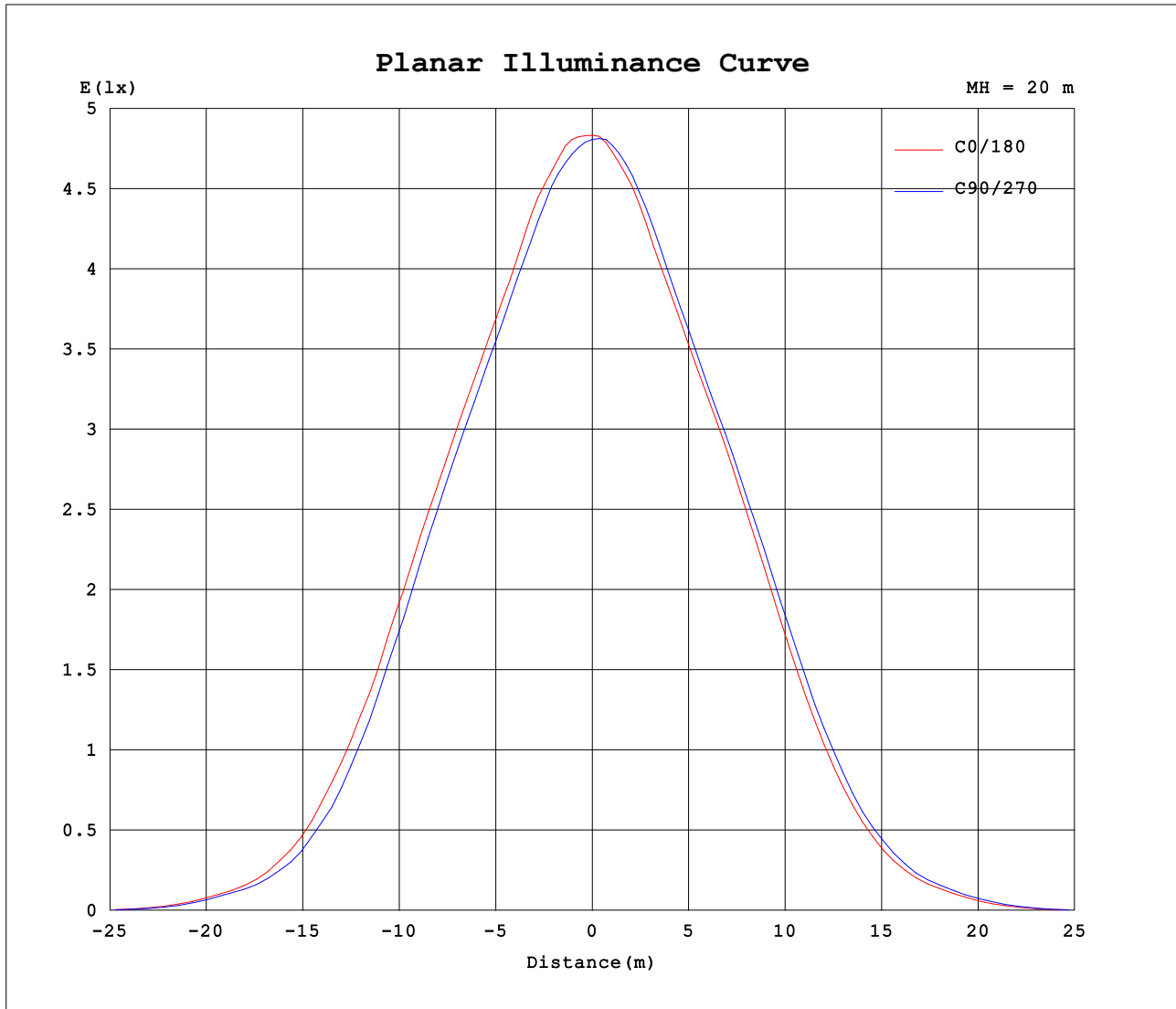
AvgL	cd/m2
L_0~180 (65) av	540
L_0~180 (75) av	346
L_0~180 (85) av	801
L_90~270 (65) av	502
L_90~270 (75) av	344
L_90~270 (85) av	801
L_45 (65) av	519
L_45 (75) av	346
L_45 (85) av	786

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:

TLO025-31 36V600mA CHM-6-30-90-36-BH40-F4-3 54.5D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO025-31	TYPE: 54.5D	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	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924			
5	1889	1881	1868	1864	1861	1875	1875	1880	1848	1860	1889	1885	1884	1861	1854	1853			
10	1753	1734	1697	1700	1700	1721	1730	1742	1678	1706	1744	1744	1732	1707	1692	1687			
15	1577	1559	1523	1526	1524	1549	1556	1565	1505	1527	1561	1557	1552	1518	1515	1511			
20	1396	1392	1341	1341	1335	1370	1368	1392	1324	1338	1380	1372	1371	1336	1335	1324			
25	1159	1148	1072	1080	1074	1126	1123	1160	1057	1082	1140	1133	1125	1083	1072	1052			
30	829	811	725	735	730	793	799	837	724	751	815	805	790	740	732	713			
35	493	460	399	394	403	447	477	502	402	425	478	470	449	407	398	384			
40	218	203	170	173	181	207	221	237	182	193	221	220	209	185	176	167			
45	90.0	79.5	66.7	68.2	75.1	94.1	102	107	69.3	75.6	91.8	89.8	85.4	71.2	64.9	59.5			
50	15.6	13.7	10.0	11.4	13.4	18.6	21.9	23.6	10.4	11.8	16.7	14.9	13.2	8.89	7.57	6.71			
55	2.25	2.26	1.98	1.95	1.97	2.25	2.48	2.61	1.78	1.86	2.06	2.04	2.11	1.87	1.76	1.68			
60	1.18	1.21	1.11	1.03	1.02	1.06	1.11	1.18	1.05	1.06	1.10	1.07	1.10	1.04	1.01	0.99			
65	0.81	0.81	0.76	0.69	0.71	0.73	0.77	0.80	0.71	0.72	0.73	0.71	0.70	0.67	0.65	0.66			
70	0.52	0.50	0.49	0.45	0.47	0.48	0.51	0.52	0.41	0.43	0.44	0.43	0.42	0.40	0.38	0.40			
75	0.35	0.33	0.33	0.31	0.33	0.33	0.34	0.33	0.25	0.27	0.27	0.28	0.26	0.26	0.24	0.26			
80	0.28	0.27	0.27	0.26	0.27	0.27	0.27	0.27	0.21	0.21	0.20	0.22	0.21	0.21	0.20	0.22			
85	0.26	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20			
90	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.21	0.20	0.20	0.20	0.21	0.20	0.20	0.20			
95	0.27	0.29	0.27	0.29	0.27	0.28	0.27	0.28	0.24	0.21	0.22	0.20	0.23	0.23	0.24	0.23			
100	0.36	0.38	0.39	0.40	0.38	0.37	0.34	0.36	0.33	0.30	0.30	0.28	0.31	0.32	0.35	0.34			
105	0.59	0.62	0.67	0.67	0.65	0.60	0.57	0.56	0.57	0.53	0.49	0.48	0.52	0.55	0.59	0.61			
110	1.06	1.10	1.22	1.20	1.17	1.07	1.03	0.99	1.06	1.00	0.90	0.90	0.94	1.03	1.08	1.13			
115	1.87	1.92	2.13	2.07	2.06	1.87	1.84	1.76	1.89	1.81	1.63	1.64	1.69	1.85	1.90	1.99			
120	3.03	3.11	3.37	3.33	3.28	3.07	3.02	2.92	3.11	2.99	2.75	2.75	2.81	3.01	3.11	3.20			
125	4.51	4.64	4.97	4.91	4.85	4.60	4.52	4.41	4.67	4.49	4.22	4.19	4.29	4.52	4.65	4.75			
130	6.27	6.45	6.85	6.78	6.72	6.43	6.35	6.21	6.52	6.32	6.00	5.98	6.08	6.34	6.49	6.60			
135	8.29	8.50	8.93	8.87	8.82	8.51	8.41	8.26	8.62	8.36	8.04	8.02	8.12	8.40	8.55	8.64			
140	10.5	10.7	11.1	11.1	11.0	10.7	10.6	10.5	10.8	10.5	10.2	10.2	10.3	10.6	10.7	10.8			
145	12.5	12.7	13.1	13.1	13.1	12.8	12.7	12.6	12.9	12.6	12.3	12.3	12.4	12.6	12.7	12.8			
150	14.3	14.5	14.8	14.9	14.9	14.7	14.6	14.5	14.6	14.4	14.2	14.2	14.3	14.4	14.4	14.4			
155	15.6	15.8	16.1	16.3	16.4	16.2	16.0	15.9	15.9	15.7	15.6	15.7	15.7	15.8	15.8	15.6			
160	16.6	16.7	17.0	17.2	17.4	17.2	17.0	16.9	16.8	16.6	16.6	16.7	16.8	16.8	16.7	16.6			
165	17.3	17.4	17.7	18.0	18.1	17.9	17.8	17.7	17.6	17.4	17.4	17.5	17.6	17.6	17.4	17.3			
170	18.1	18.1	18.3	18.6	18.7	18.5	18.5	18.5	18.4	18.4	18.2	18.2	18.3	18.3	18.2	18.1			
175	18.8	18.8	19.0	19.1	19.1	19.2	19.3	19.2	19.0	19.1	19.2	19.0	19.0	19.1	19.1	18.8			
180	19.3	19.4	19.5	19.4	19.5	19.5	19.6	19.4	19.4	19.4	19.5	19.4	19.5	19.4	19.6	19.4			

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