

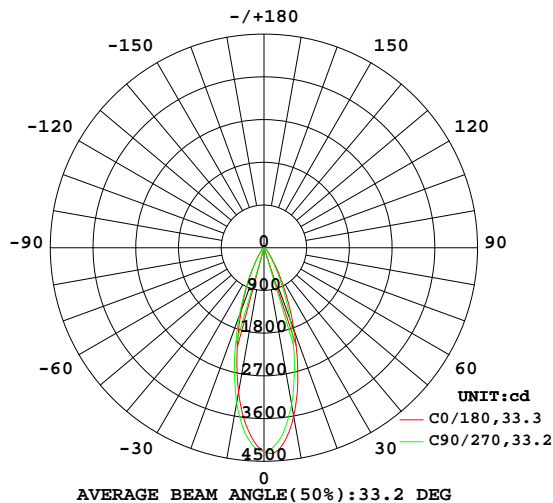
TLO020-21 36V500mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

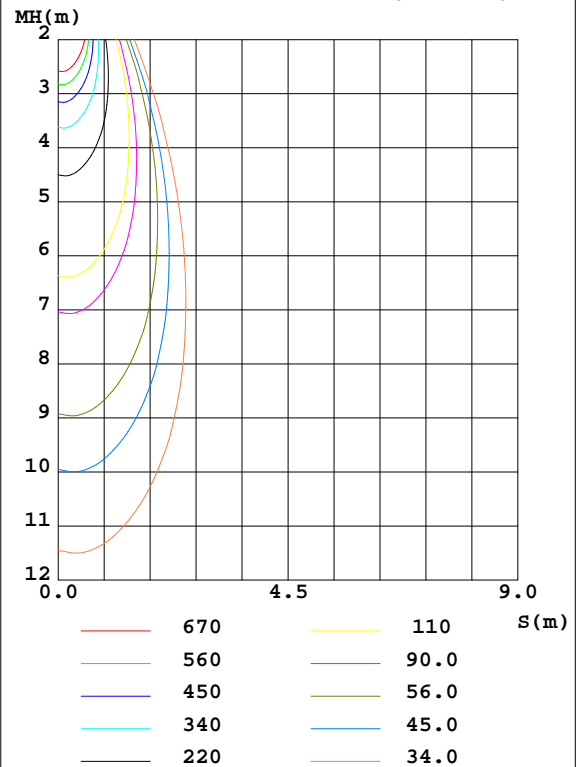
NAME: TLO020-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.76 lm/W			
MODEL		Imax(cd)	4721	S/MH(C0/180)	0.50
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1878.9	η UP,DN(C0-180)	1.1,57.1
NOMINAL FLUX(lm)	1878.93	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,40.5
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	0.50

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 33D 3000K CRI90 NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	ℓlum, lamp
10	3608	3402	3356	4123	3091	3279	3320	2718	0- 10	363.8	363.8	19.4,19.4
20	1861	1684	1635	2427	1403	1525	1521	1015	10- 20	683.7	1048	55.8,55.8
30	620.3	551.3	483.1	883.5	416.4	464.9	411.1	255.7	20- 30	457.2	1505	80.1,80.1
40	159.3	143.4	117.7	217.4	107.8	122.4	102.1	78.65	30- 40	177.6	1682	89.5,89.5
50	61.13	58.60	53.88	73.59	54.03	55.36	52.63	50.47	40- 50	66.00	1748	93,93
60	39.00	36.21	35.88	48.87	34.65	36.01	36.77	32.20	50- 60	42.56	1791	95.3,95.3
70	21.39	18.65	18.23	28.85	16.28	17.98	17.93	12.54	60- 70	28.11	1819	96.8,96.8
80	6.559	5.140	4.838	10.12	3.614	4.347	3.756	1.608	70- 80	12.11	1831	97.5,97.5
90	0.8857	0.5591	0.6104	1.300	0.5087	0.4742	0.4956	0.6291	80- 90	2.410	1834	97.6,97.6
100	0.7190	0.7327	0.7440	0.7237	0.7471	0.6913	0.7013	0.9141	90-100	0.7131	1834	97.6,97.6
110	1.152	1.204	1.178	1.084	1.297	1.191	1.152	1.703	100-110	1.018	1835	97.7,97.7
120	2.544	2.740	2.714	2.039	3.022	2.760	2.673	4.242	110-120	1.903	1837	97.8,97.8
130	6.137	6.572	6.679	5.018	7.250	6.672	6.634	9.822	120-130	4.133	1841	98,98
140	12.38	13.01	13.44	11.15	14.03	13.19	13.33	17.75	130-140	7.736	1849	98.4,98.4
150	19.25	19.62	20.42	19.17	20.62	19.89	20.33	24.23	140-150	10.72	1860	99,99
160	22.64	22.72	23.92	24.97	23.19	22.86	23.72	25.63	150-160	10.40	1870	99.5,99.5
170	21.77	21.20	22.60	25.70	21.78	21.45	22.16	23.31	160-170	6.679	1877	99.9,99.9
180	20.95	20.85	21.56	24.31	20.95	20.84	21.24	24.33	170-180	2.121	1879	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

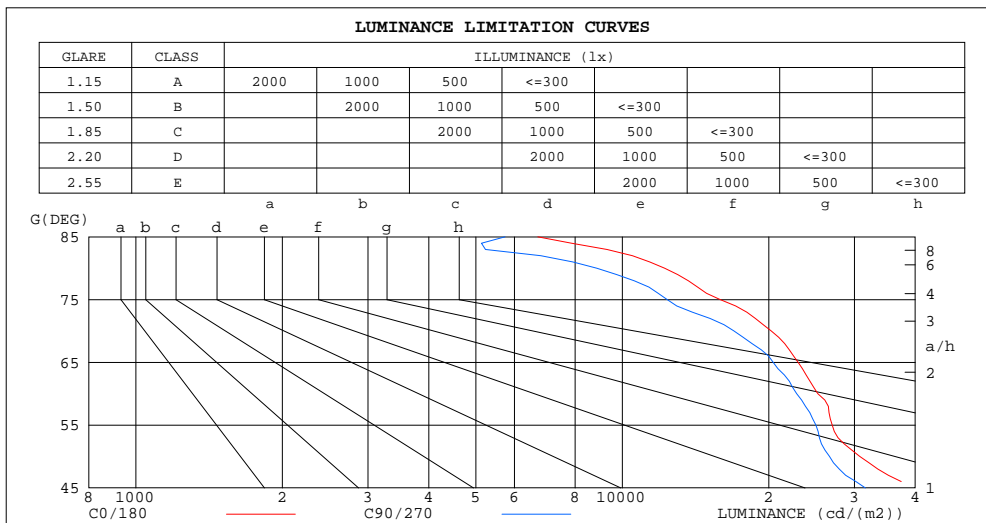
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-11-15

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 33D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO020-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6705	5737
80	12216	8861
75	15890	12364
70	20231	16954
65	22980	20416
60	25225	22822
55	26997	24990
50	30759	26662
45	40444	31591

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

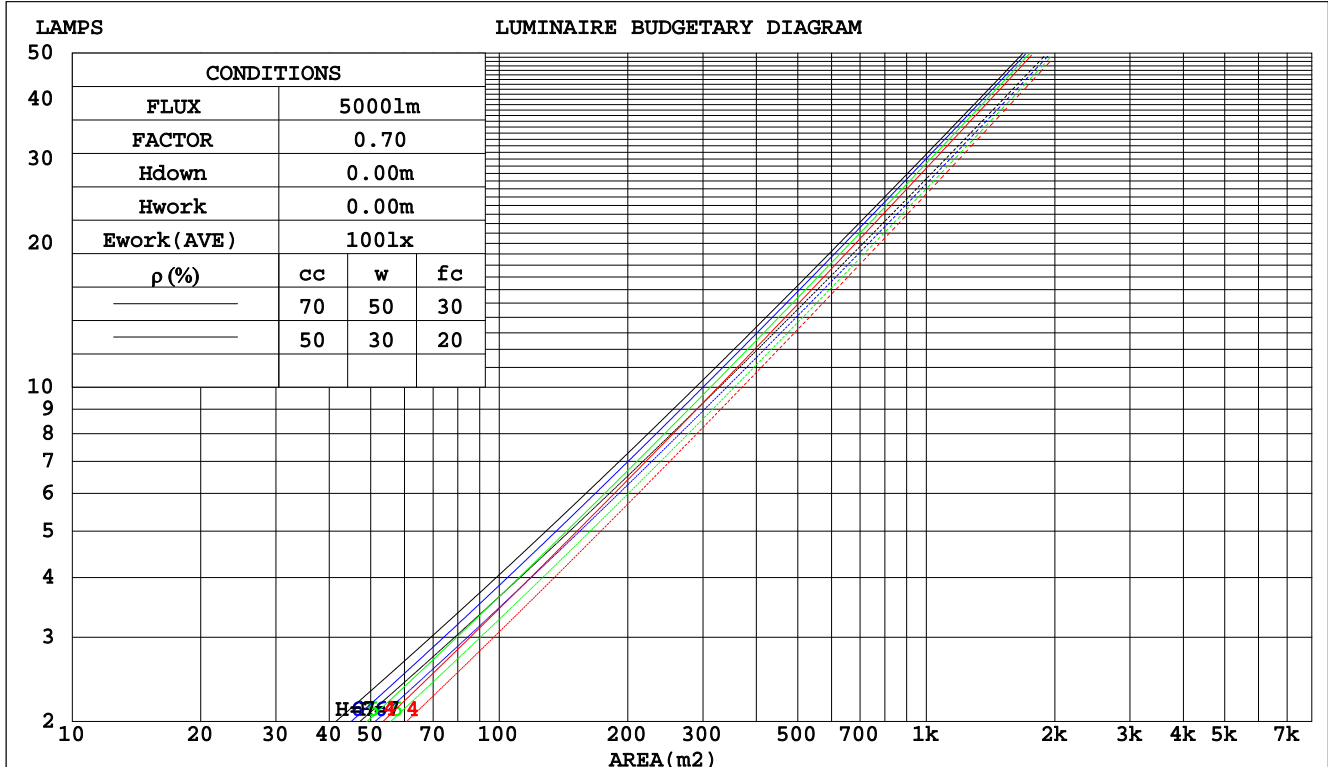
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-21	TYPE:33D	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	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.03	.00	.96	1.02	.98	.95	.98	.95	.93	.95	.92	.90	.92	.90	.88	.86
3.0	.97	.93	.89	.96	.91	.88	.93	.89	.86	.90	.87	.85	.88	.85	.83	.82
4.0	.92	.87	.83	.90	.86	.82	.88	.84	.81	.86	.82	.80	.84	.81	.79	.77
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.75	.73
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.72	.78	.75	.72	.77	.74	.71	.70
7.0	.79	.73	.69	.78	.73	.69	.76	.72	.69	.75	.71	.68	.74	.70	.68	.66
8.0	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.71	.67	.65	.63
9.0	.72	.67	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.68	.65	.62	.61
10.0	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.66	.62	.59	.58



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 33D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO020-21	TYPE:33D	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	.171	.097	.031	.164	.093	.030	.150	.086	.027	.137	.079	.025	.125	.073	.023		
2.0	.161	.088	.027	.155	.085	.026	.143	.080	.025	.132	.074	.023	.122	.069	.022		
3.0	.152	.081	.024	.146	.078	.024	.136	.074	.022	.127	.070	.021	.118	.065	.020		
4.0	.143	.074	.022	.138	.072	.021	.130	.069	.021	.121	.065	.020	.114	.062	.019		
5.0	.135	.069	.020	.131	.067	.020	.123	.064	.019	.116	.061	.018	.110	.059	.018		
6.0	.128	.064	.018	.124	.063	.018	.118	.060	.018	.111	.058	.017	.105	.055	.016		
7.0	.121	.060	.017	.118	.059	.017	.112	.057	.016	.107	.055	.016	.101	.053	.015		
8.0	.116	.057	.016	.113	.056	.016	.107	.054	.015	.102	.052	.015	.098	.050	.015		
9.0	.110	.053	.015	.108	.053	.015	.103	.051	.014	.099	.049	.014	.094	.048	.014		
10.0	.106	.051	.014	.103	.050	.014	.099	.048	.014	.095	.047	.013	.091	.046	.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	.164	.162	.151	.141	.111	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.174	.151	.132	.149	.130	.115	.102	.090	.080	.059	.052	.047	.019	.017	.015	
3.0	.161	.132	.110	.138	.114	.095	.094	.079	.067	.055	.046	.039	.018	.015	.013	
4.0	.150	.117	.093	.128	.102	.081	.088	.071	.057	.051	.041	.034	.016	.013	.011	
5.0	.140	.106	.080	.120	.091	.070	.083	.064	.049	.048	.038	.029	.015	.012	.010	
6.0	.132	.096	.070	.114	.083	.061	.078	.058	.043	.045	.034	.026	.015	.011	.009	
7.0	.125	.089	.063	.108	.077	.055	.074	.054	.039	.043	.032	.023	.014	.010	.008	
8.0	.119	.082	.057	.103	.071	.049	.071	.050	.035	.041	.030	.021	.013	.010	.007	
9.0	.114	.077	.052	.098	.067	.045	.068	.047	.032	.040	.028	.019	.013	.009	.006	
10.0	.109	.072	.048	.094	.063	.042	.065	.044	.030	.038	.026	.018	.012	.009	.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 33D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-21					TYPE:33D			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		18.3	19.1	18.5	19.3	19.5	17.0	17.9	17.3	18.1	18.3
	3H	18.8	19.6	19.1	19.8	20.1	17.6	18.4	17.9	18.6	18.8
	4H	19.0	19.7	19.3	20.0	20.2	17.7	18.5	18.0	18.7	19.0
	6H	19.1	19.7	19.4	20.0	20.3	17.8	18.5	18.1	18.8	19.0
	8H	19.1	19.7	19.4	20.0	20.3	17.8	18.4	18.1	18.7	19.0
	12H	19.0	19.7	19.4	20.0	20.3	17.7	18.4	18.1	18.7	19.0
4H	2H	18.4	19.1	18.7	19.4	19.6	17.3	18.0	17.6	18.2	18.5
	3H	19.0	19.7	19.4	20.0	20.3	18.0	18.6	18.3	18.9	19.2
	4H	19.3	19.9	19.7	20.2	20.6	18.2	18.8	18.6	19.1	19.4
	6H	19.4	20.0	19.9	20.3	20.7	18.3	18.8	18.7	19.1	19.5
	8H	19.5	19.9	19.9	20.3	20.7	18.2	18.7	18.7	19.1	19.5
	12H	19.4	19.9	19.9	20.3	20.7	18.2	18.6	18.7	19.1	19.5
8H	4H	19.3	19.8	19.7	20.1	20.6	18.2	18.7	18.6	19.1	19.5
	6H	19.5	19.9	19.9	20.3	20.8	18.3	18.7	18.8	19.2	19.6
	8H	19.5	19.9	20.0	20.3	20.8	18.3	18.7	18.8	19.1	19.6
	12H	19.5	19.8	20.0	20.3	20.8	18.3	18.6	18.8	19.1	19.6
12H	4H	19.2	19.7	19.7	20.1	20.5	18.2	18.6	18.6	19.0	19.5
	6H	19.4	19.8	19.9	20.2	20.7	18.3	18.7	18.8	19.1	19.6
	8H	19.5	19.8	20.0	20.3	20.8	18.3	18.6	18.8	19.1	19.6
Variations with the observer position at spacings:											
S = 1.0H		+ 1.0 / - 1.3				+ 0.8 / - 1.0					
1.5H		+ 2.2 / - 1.2				+ 1.6 / - 0.9					
2.0H		+ 1.1 / - 0.6				+ 0.6 / - 0.5					

CIE Pub.117, 1879 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.2$)

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:

UTILIZATION FACTORS TABLE

NAME: TLO020-21	TYPE: 33D	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) $k(RI) \times RCR = 5$									
$k = 0.60$	85	79	75	84	78	74	84	78	74	70
0.80	93	86	82	92	86	82	90	85	82	78
1.00	97	91	87	96	91	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	95	103	98	95	100	96	93	88
2.00	107	103	99	105	101	98	102	99	96	91
2.50	109	105	102	107	103	101	103	101	98	92
3.00	110	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	112	110	112	110	108	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

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

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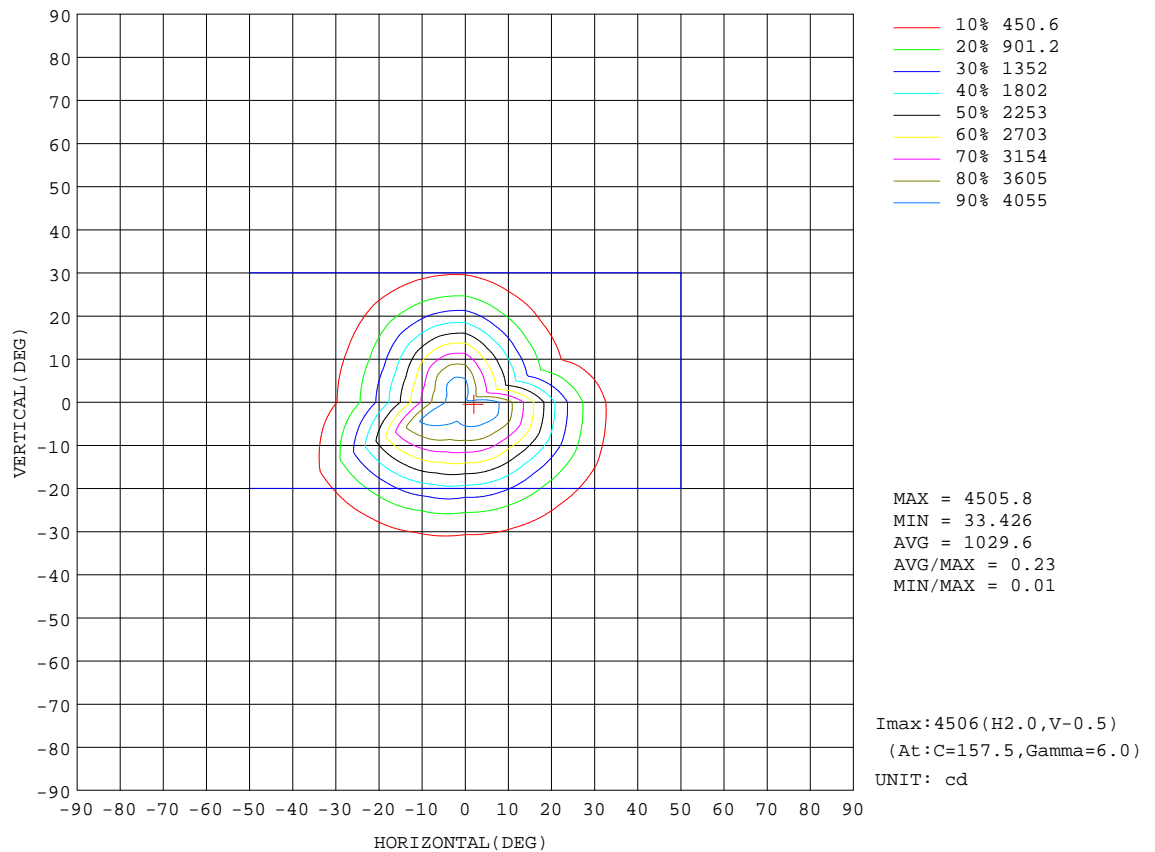
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

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TLO020-21 36V500mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO020-21	TYPE: 33D	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

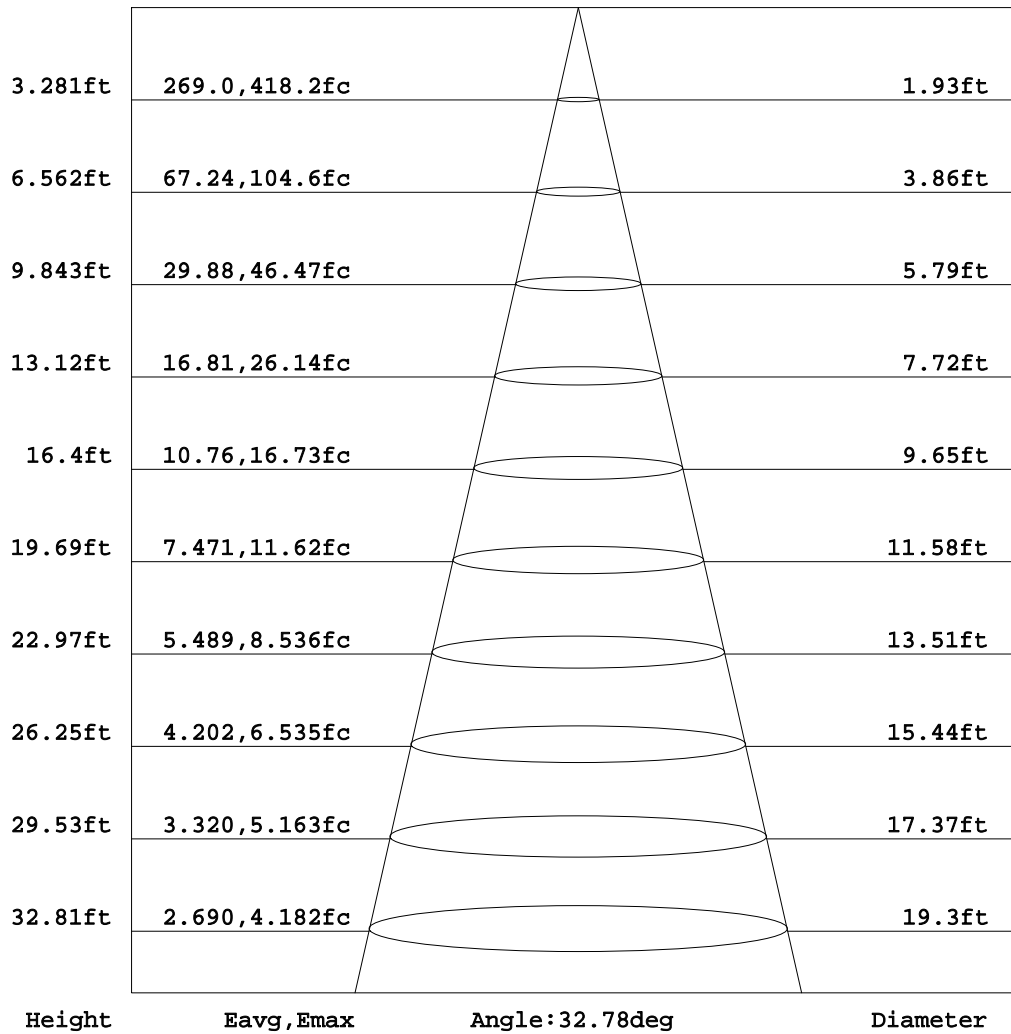
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

AAI Figure

NAME: TLO020-21	TYPE:33D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	Shielding Angle:

Flux out:850.1 lm



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

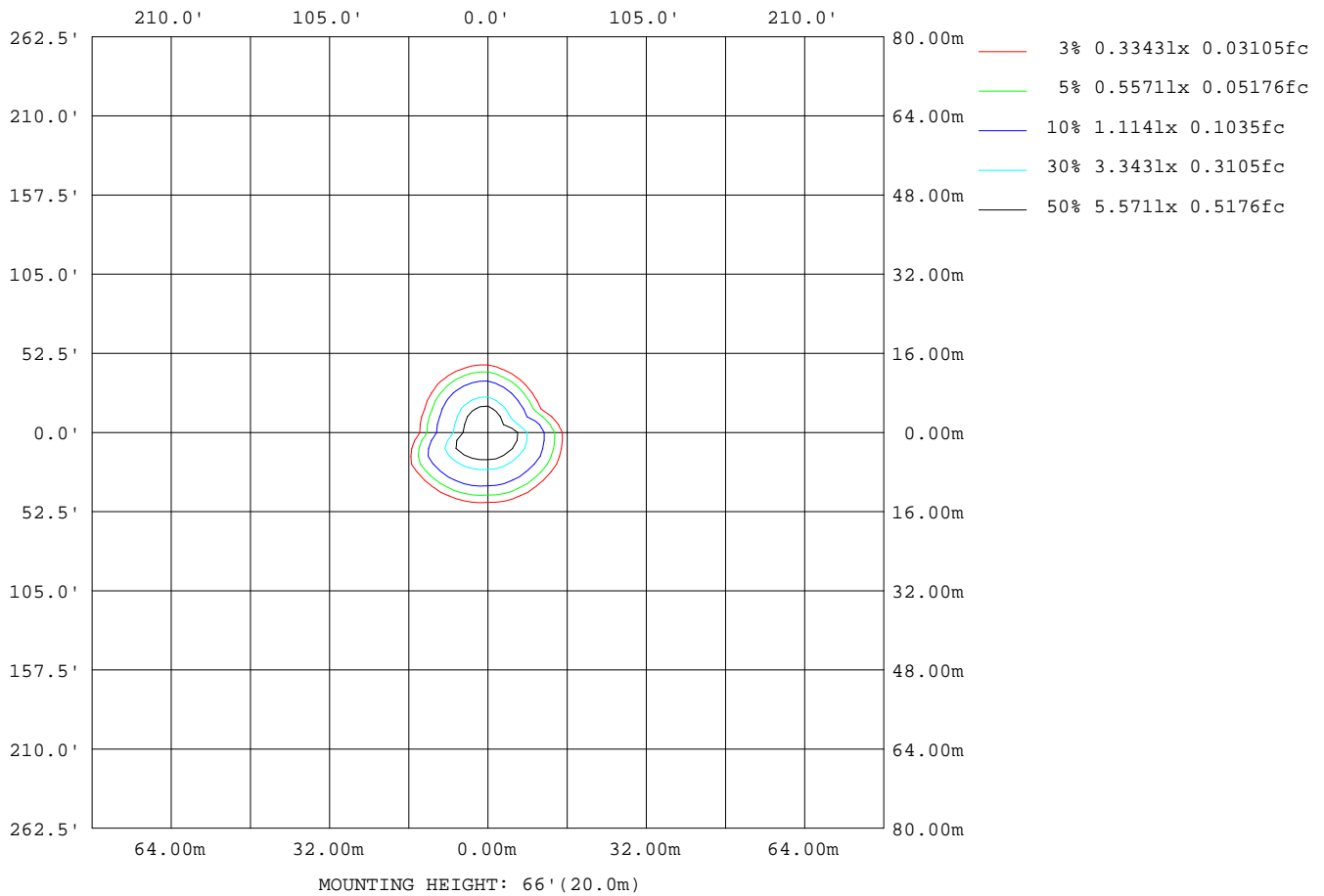
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Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO020-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:



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

TLO020-21 36V500mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO020-21	TYPE:33D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	Shielding Angle:

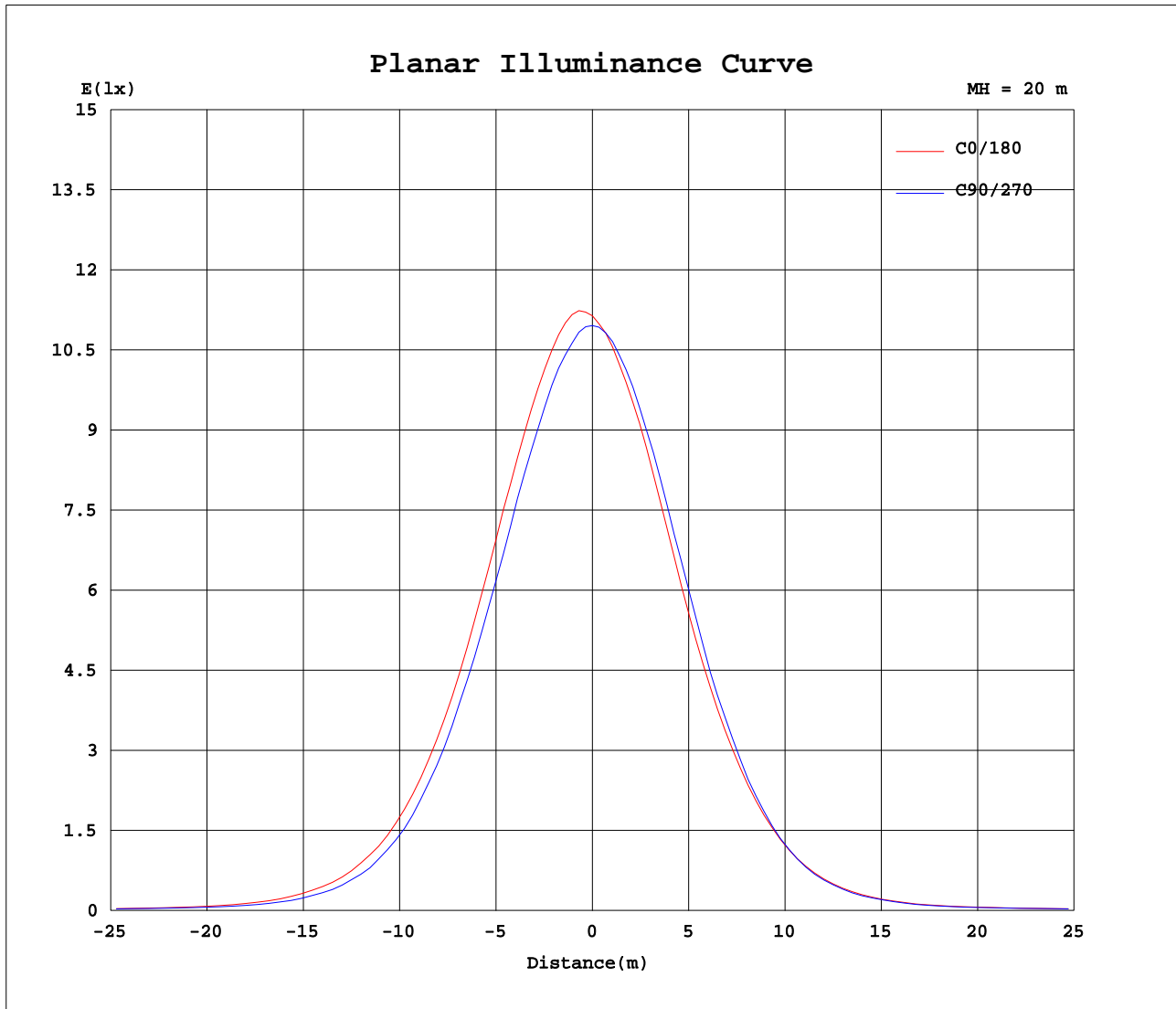
AvgL	cd/m2
L_0~180(65)av	20374
L_0~180(75)av	13044
L_0~180(85)av	5033
L_90~270(65)av	20108
L_90~270(75)av	11671
L_90~270(85)av	4990
L_45(65)av	21225
L_45(75)av	13710
L_45(85)av	6601

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 33D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:

Table--1

UNIT: cd

C(°)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (°)	0	4293	4293	4293	4293	4293	4293	4293	4293	4293	4293	4293	4293	4293	4293	4293			
5	4204	4227	4053	3998	4026	4232	4484	4711	3857	3850	3976	4027	4015	3837	3639	3476			
10	3608	3651	3402	3340	3356	3686	4123	4539	3091	3077	3279	3353	3320	3029	2718	2464			
15	2758	2831	2527	2480	2487	2837	3361	3890	2179	2154	2362	2427	2397	2079	1783	1547			
20	1861	1925	1684	1640	1635	1964	2427	2940	1403	1366	1525	1550	1521	1255	1015	851			
25	1127	1194	1008	959	943	1200	1573	1997	806	790	890	882	837	673	513	438			
30	620	667	551	499	483	636	883	1195	416	416	465	446	411	328	256	226			
35	315	349	284	253	240	310	454	622	209	208	234	220	199	164	131	117			
40	159	175	143	130	118	154	217	310	108	107	122	113	102	88.0	78.7	75.6			
45	88.4	95.7	82.1	74.3	70.2	81.9	111	160	70.9	71.7	73.2	69.7	64.8	63.2	60.0	57.0			
50	61.1	65.3	58.6	55.5	53.9	61.4	73.6	89.5	54.0	54.9	55.4	54.3	52.6	52.4	50.5	48.4			
55	47.9	49.9	47.0	45.6	45.1	51.3	57.8	66.4	44.8	45.1	45.5	45.4	45.1	44.7	41.5	38.3			
60	39.0	39.2	36.2	35.7	35.9	41.9	48.9	54.4	34.6	34.0	36.0	36.8	36.8	35.0	32.2	28.8			
65	30.0	30.0	27.2	27.0	27.1	32.6	38.7	44.6	25.2	24.7	26.8	27.7	27.4	25.6	22.4	18.9			
70	21.4	21.4	18.6	18.2	18.2	23.1	28.8	33.9	16.3	16.0	18.0	18.2	17.9	15.8	12.5	10.14			
75	12.7	12.9	10.5	10.1	10.1	13.7	18.9	23.7	8.96	8.84	9.90	9.86	9.33	7.91	6.27	4.18			
80	6.56	6.78	5.14	4.85	4.84	7.30	10.12	13.7	3.61	3.56	4.35	4.18	3.76	2.95	1.61	1.49			
85	1.81	1.99	1.56	1.53	1.57	2.01	3.88	7.08	1.01	1.13	1.29	1.30	1.22	1.01	0.66	0.56			
90	0.89	0.91	0.56	0.57	0.61	0.84	1.30	1.76	0.51	0.48	0.47	0.46	0.50	0.54	0.63	0.66			
95	0.61	0.62	0.63	0.64	0.65	0.67	0.62	0.62	0.62	0.59	0.57	0.54	0.58	0.65	0.75	0.80			
100	0.72	0.73	0.73	0.75	0.74	0.78	0.72	0.73	0.75	0.73	0.69	0.66	0.70	0.78	0.91	1.01			
105	0.88	0.88	0.90	0.91	0.90	0.91	0.86	0.84	0.95	0.94	0.87	0.82	0.86	0.99	1.19	1.38			
110	1.15	1.14	1.20	1.19	1.18	1.16	1.08	1.02	1.30	1.32	1.19	1.11	1.15	1.36	1.70	2.07			
115	1.65	1.62	1.77	1.73	1.72	1.58	1.41	1.31	1.93	1.99	1.76	1.64	1.69	2.08	2.64	3.28			
120	2.54	2.47	2.74	2.69	2.71	2.38	2.04	1.82	3.02	3.12	2.76	2.57	2.67	3.31	4.24	5.19			
125	3.98	3.87	4.28	4.27	4.31	3.80	3.19	2.77	4.76	4.89	4.35	4.08	4.27	5.25	6.62	7.94			
130	6.14	5.95	6.57	6.59	6.68	5.99	5.02	4.39	7.25	7.38	6.67	6.31	6.63	7.97	9.82	11.5			
135	8.99	8.78	9.54	9.63	9.79	9.05	7.72	6.79	10.4	10.5	9.68	9.26	9.71	11.5	13.7	15.5			
140	12.4	12.2	13.0	13.2	13.4	12.8	11.2	10.02	14.0	14.1	13.2	12.8	13.3	15.4	17.7	19.4			
145	16.0	15.7	16.5	16.7	17.1	16.8	15.2	13.9	17.6	17.6	16.8	16.4	17.1	19.3	21.4	22.9			
150	19.2	19.0	19.6	19.9	20.4	20.5	19.2	18.0	20.6	20.6	19.9	19.7	20.3	22.6	24.2	25.1			
155	21.6	21.4	21.8	22.1	22.8	23.5	22.7	21.7	22.6	22.5	22.0	22.1	22.7	24.7	25.7	25.7			
160	22.6	22.5	22.7	23.1	23.9	25.2	25.0	24.4	23.2	23.1	22.9	23.1	23.7	25.4	25.6	25.1			
165	22.6	22.5	22.4	22.9	23.8	25.6	26.0	25.8	22.8	22.6	22.5	22.9	23.4	24.8	24.4	23.9			
170	21.8	21.7	21.2	21.6	22.6	24.7	25.7	26.0	21.8	21.8	21.4	21.8	22.2	23.7	23.3	22.8			
175	20.9	20.8	20.6	20.7	21.5	23.7	25.1	25.2	21.0	21.1	21.0	21.0	21.2	23.4	23.4	22.8			
180	20.9	20.8	20.8	20.6	21.6	23.2	24.3	24.1	20.9	20.8	20.8	20.7	21.2	23.6	24.3	24.1			

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