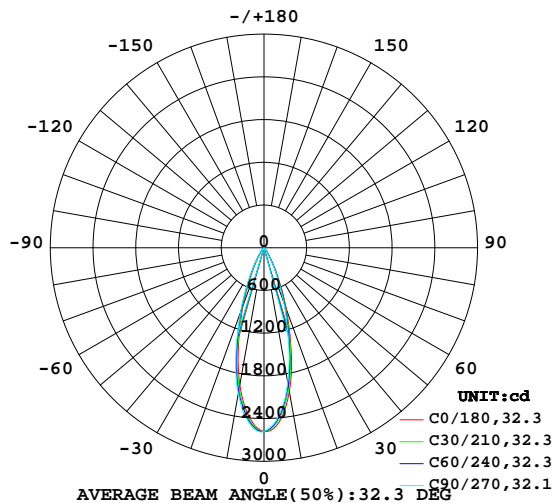


LUMINAIRE PHOTOMETRIC TEST REPORT

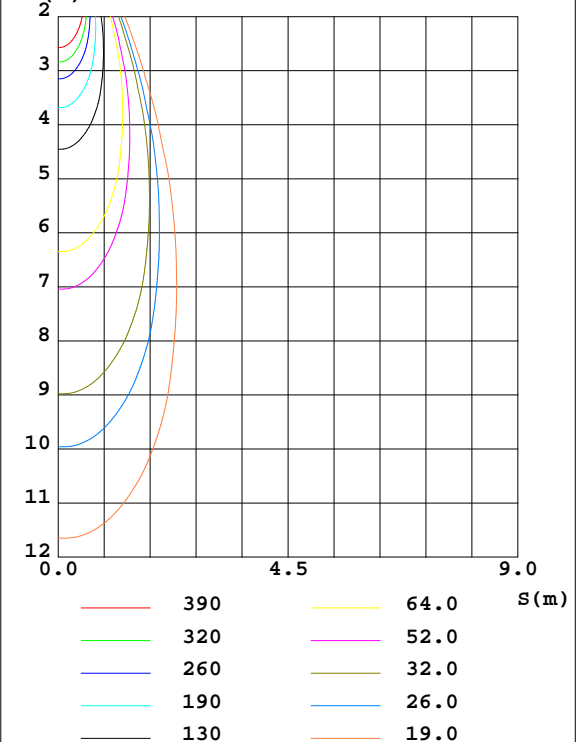
NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.45 lm/W			
MODEL	CXM-14-30-90-36-AC30	Imax(cd)	2587	S/MH(C0/180)	0.52
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.56
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	939.02	η UP,DN(C0-180)	0.0,48.5
NOMINAL FLUX(lm)	939.023	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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-AC30 38D(Actual 32D) 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	2053	1998	1921	1942	1956	2006	2083	2079	0- 10	217.7	217.7	23.2,23.2
20	920.0	880.7	807.7	852.3	862.5	899.8	972.1	930.8	10- 20	390.0	607.7	64.7,64.7
30	222.2	216.4	190.1	200.5	208.1	231.1	251.8	227.8	20- 30	222.1	829.8	88.4,88.4
40	42.10	43.79	39.94	39.12	42.54	46.03	43.05	39.98	30- 40	63.19	893.0	95.1,95.1
50	21.97	22.74	21.84	21.45	22.27	22.68	21.72	21.48	40- 50	22.24	915.2	97.5,97.5
60	12.61	12.20	11.54	11.72	11.89	12.38	13.11	12.79	50- 60	15.50	930.7	99.1,99.1
70	3.216	2.988	2.558	2.632	2.648	2.952	3.484	3.339	60- 70	6.913	937.6	99.9,99.9
80	0.3111	0.2968	0.3254	0.3031	0.2662	0.2851	0.2640	0.2773	70- 80	1.155	938.8	100,100
90	0	0	0.0409	0	0	0.0387	0	0	80- 90	0.2440	939.0	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0005	939.0	100,100
110	0	0	0	0	0	0	0	0	100-110	0	939.0	100,100
120	0	0	0	0	0	0	0	0	110-120	0	939.0	100,100
130	0	0	0	0	0	0	0	0	120-130	0	939.0	100,100
140	0	0	0	0	0	0	0	0	130-140	0	939.0	100,100
150	0	0	0	0	0	0	0	0	140-150	0	939.0	100,100
160	0	0	0	0	0	0	0	0	150-160	0	939.0	100,100
170	0	0	0	0	0	0	0	0	160-170	0	939.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0	939.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

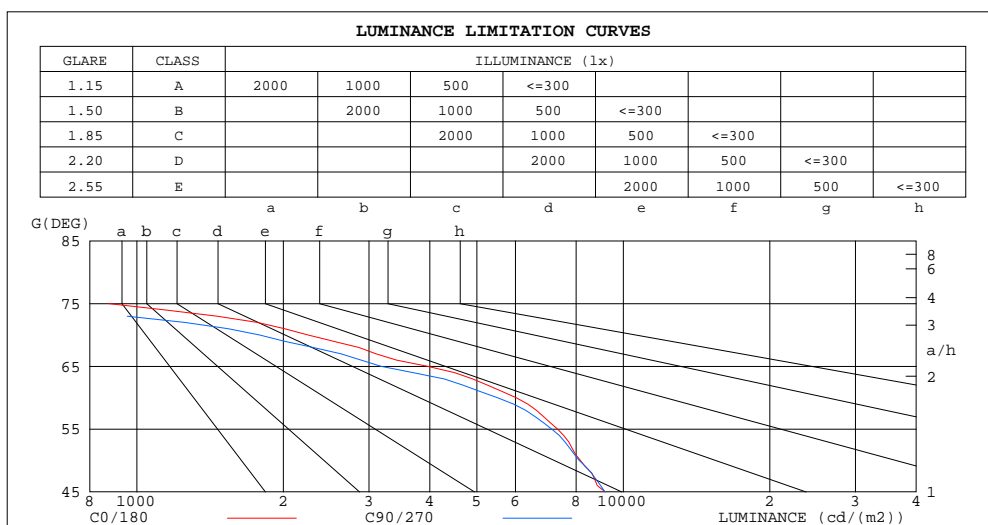
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	737	673
80	428	447
75	874	477
70	2246	1785
65	3959	3176
60	6021	5508
55	7323	7125
50	8161	8112
45	9180	9167

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

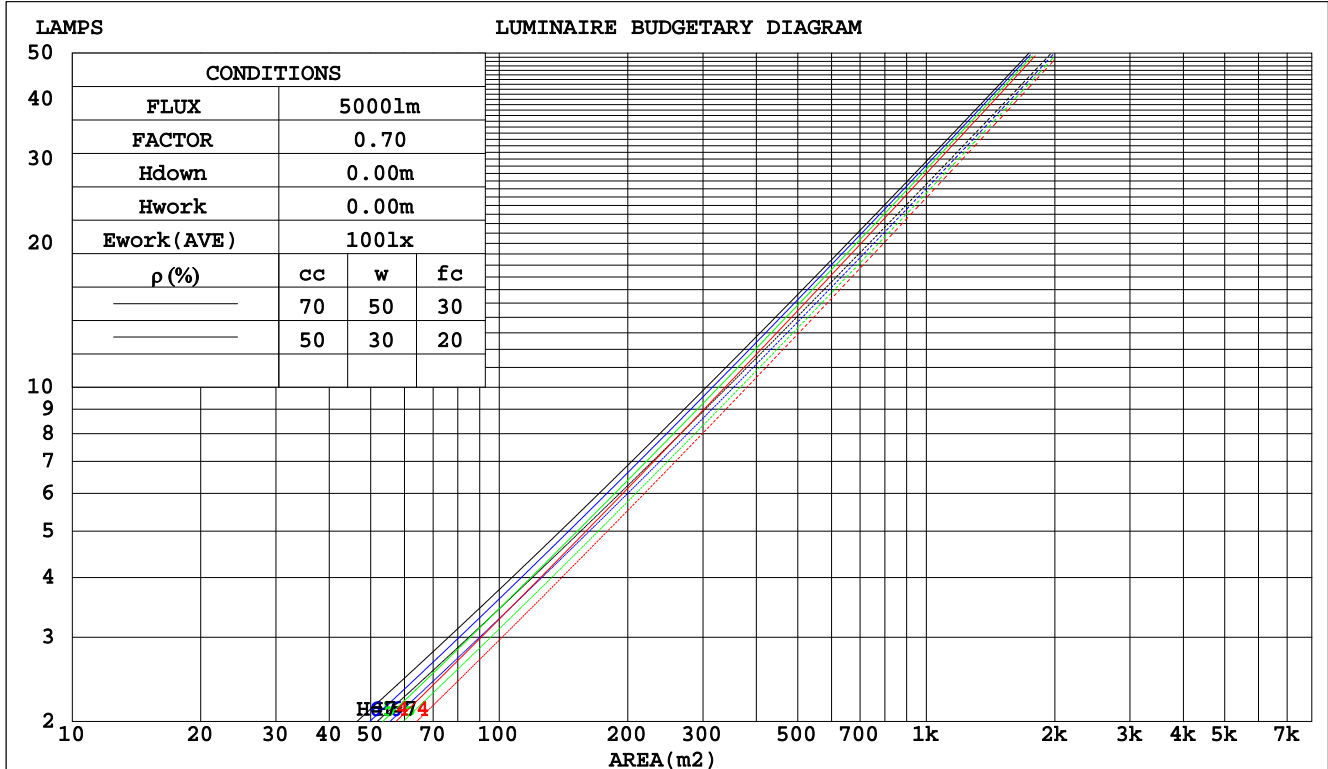
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-AC30 38D(Actual 32D) 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.92	.99	.95	.92	.96	.93	.90	.94	.91	.89	.92	.89	.88	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.86	.84	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.79
6.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.76	.75
7.0	.83	.78	.75	.82	.78	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
8.0	.80	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
9.0	.77	.72	.68	.76	.72	.68	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67
10.0	.74	.69	.66	.73	.69	.66	.73	.68	.66	.72	.68	.65	.71	.68	.65	.64



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

WEC AND CCEC

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	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	.155	.088	.028	.149	.085	.027	.136	.078	.025	.125	.072	.023	.114	.066	.021			
2.0	.146	.080	.025	.141	.077	.024	.130	.072	.022	.121	.068	.021	.112	.063	.020			
3.0	.138	.073	.022	.133	.071	.021	.124	.067	.020	.116	.064	.020	.109	.060	.019			
4.0	.130	.067	.020	.126	.066	.019	.118	.063	.019	.111	.060	.018	.105	.057	.017			
5.0	.123	.063	.018	.119	.061	.018	.113	.059	.017	.107	.056	.017	.101	.054	.016			
6.0	.117	.058	.017	.114	.057	.017	.108	.055	.016	.103	.053	.016	.098	.052	.015			
7.0	.111	.055	.016	.108	.054	.015	.104	.052	.015	.099	.051	.015	.095	.049	.014			
8.0	.106	.052	.015	.104	.051	.014	.099	.050	.014	.095	.048	.014	.091	.047	.014			
9.0	.101	.049	.014	.099	.048	.014	.096	.047	.013	.092	.046	.013	.088	.045	.013			
10.0	.097	.047	.013	.095	.046	.013	.092	.045	.013	.089	.044	.013	.086	.043	.012			

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.005	
8.0	.096	.062	.039	.083	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.078	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.030	.074	.045	.026	.051	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-21					TYPE:3000K CRI90			WEIGHT:1			
SPEC.:36V500mA					DIM.:			SERIAL No.:			
MFR.: ENCORE					SUR.:73			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	13.9	14.6	14.1	14.8	14.9	13.5	14.3	13.8	14.5	14.6	
	3H	14.0	14.7	14.2	14.9	15.1	13.6	14.3	13.8	14.5	14.7
	4H	13.9	14.6	14.2	14.8	15.0	13.5	14.2	13.8	14.4	14.6
	6H	13.8	14.5	14.1	14.7	14.9	13.4	14.1	13.7	14.3	14.6
	8H	13.8	14.4	14.1	14.6	14.9	13.4	14.0	13.7	14.3	14.5
	12H	13.7	14.3	14.0	14.6	14.9	13.4	14.0	13.7	14.2	14.5
4H	2H	13.9	14.6	14.2	14.8	15.0	13.6	14.3	13.9	14.5	14.7
	3H	14.0	14.6	14.3	14.9	15.1	13.7	14.3	14.0	14.5	14.8
	4H	14.0	14.5	14.3	14.8	15.1	13.6	14.1	13.9	14.4	14.7
	6H	13.9	14.3	14.2	14.7	15.0	13.5	14.0	13.9	14.3	14.7
	8H	13.8	14.3	14.2	14.6	15.0	13.5	13.9	13.9	14.3	14.6
	12H	13.8	14.2	14.2	14.5	14.9	13.4	13.8	13.8	14.2	14.6
8H	4H	13.8	14.3	14.2	14.6	15.0	13.5	13.9	13.9	14.3	14.6
	6H	13.7	14.1	14.1	14.5	14.9	13.4	13.7	13.8	14.1	14.5
	8H	13.7	14.0	14.1	14.4	14.8	13.3	13.7	13.8	14.1	14.5
	12H	13.6	13.9	14.1	14.3	14.8	13.3	13.6	13.7	14.0	14.5
12H	4H	13.8	14.2	14.2	14.5	14.9	13.4	13.8	13.8	14.2	14.6
	6H	13.7	14.0	14.1	14.4	14.8	13.3	13.6	13.8	14.1	14.5
	8H	13.6	13.9	14.1	14.3	14.8	13.3	13.5	13.7	14.0	14.5
Variations with the observer position at spacings:											
S = 1.0H	+ 1.5 / - 1.6					+ 1.1 / - 1.6					
1.5H	+ 2.3 / - 1.0					+ 1.6 / - 1.1					
2.0H	+ 1.1 / - 2.0					+ 1.3 / - 2.3					

CIE Pub.117, 939.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	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	88	82	79	88	82	79	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	95	91	99	94	91	98	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

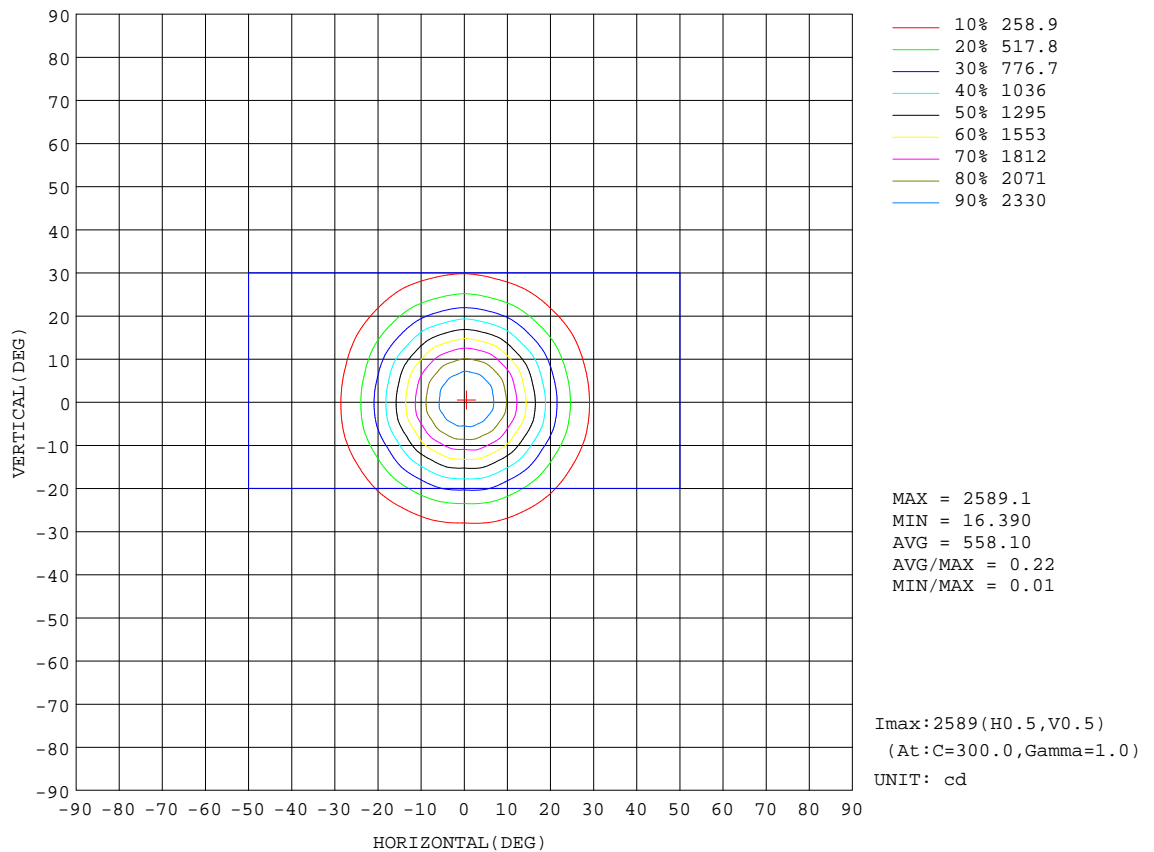
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2025-04-24

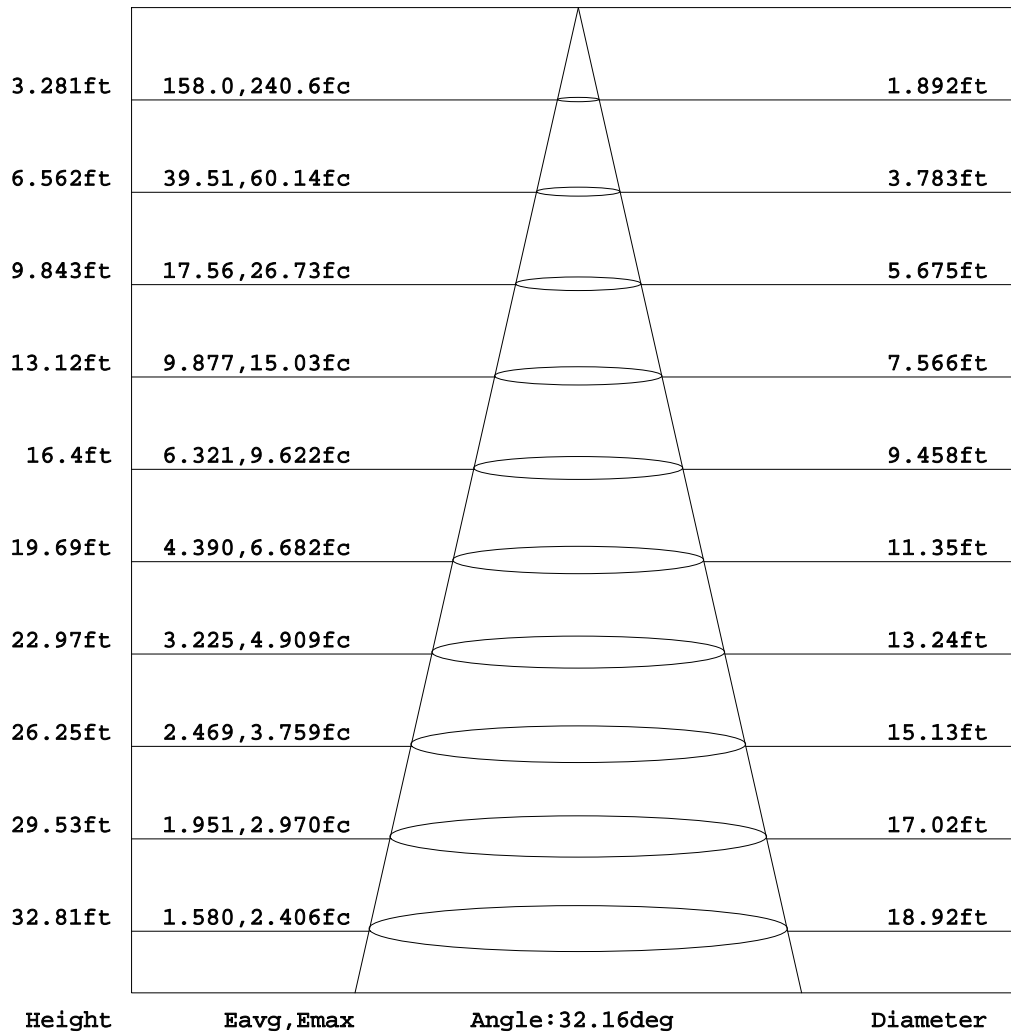
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-AC30 38D(Actual 32D) 3000K CRI90 NA

AAI Figure

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:

Flux out:499.5 lm



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

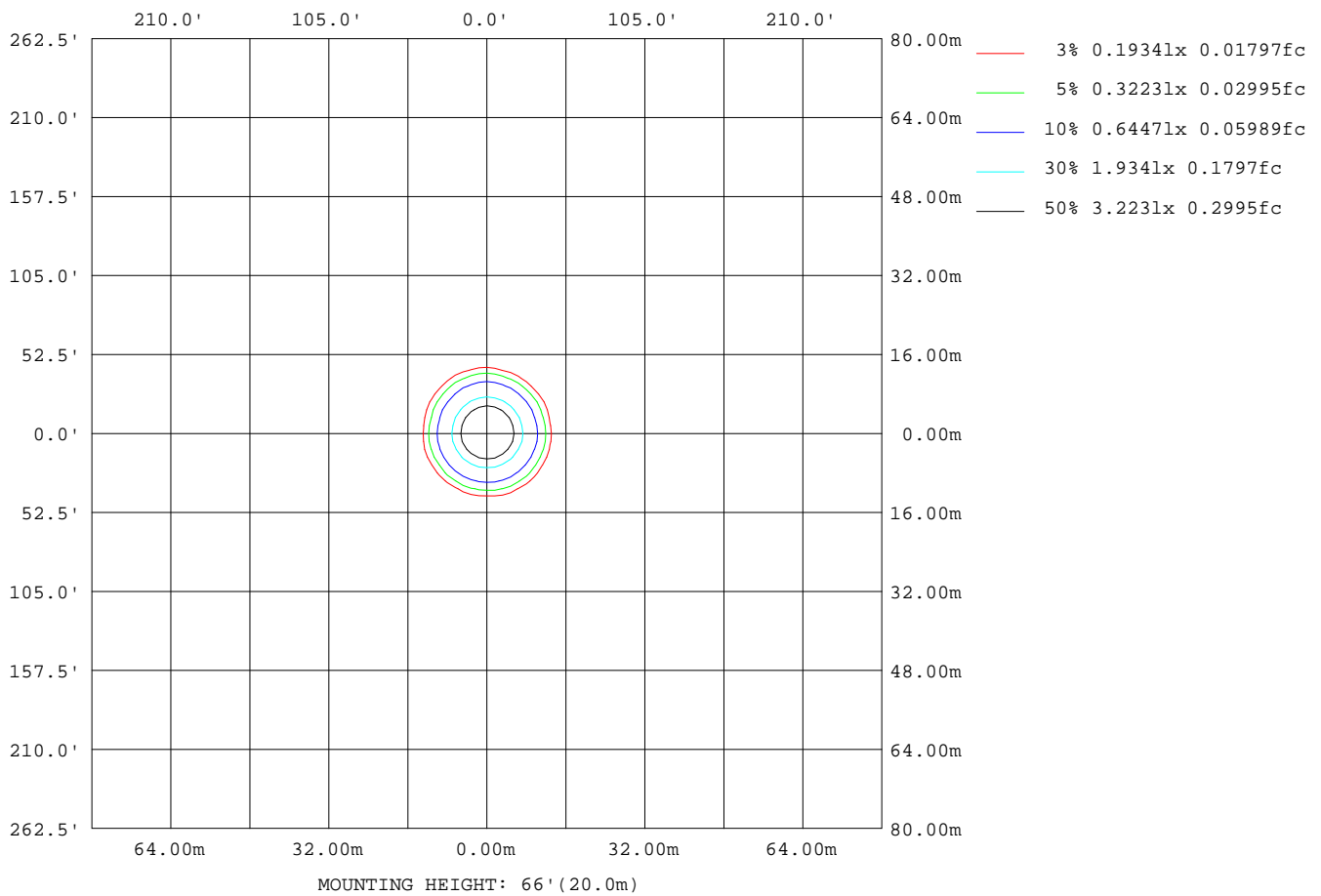
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

LED Avg.L Report

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:

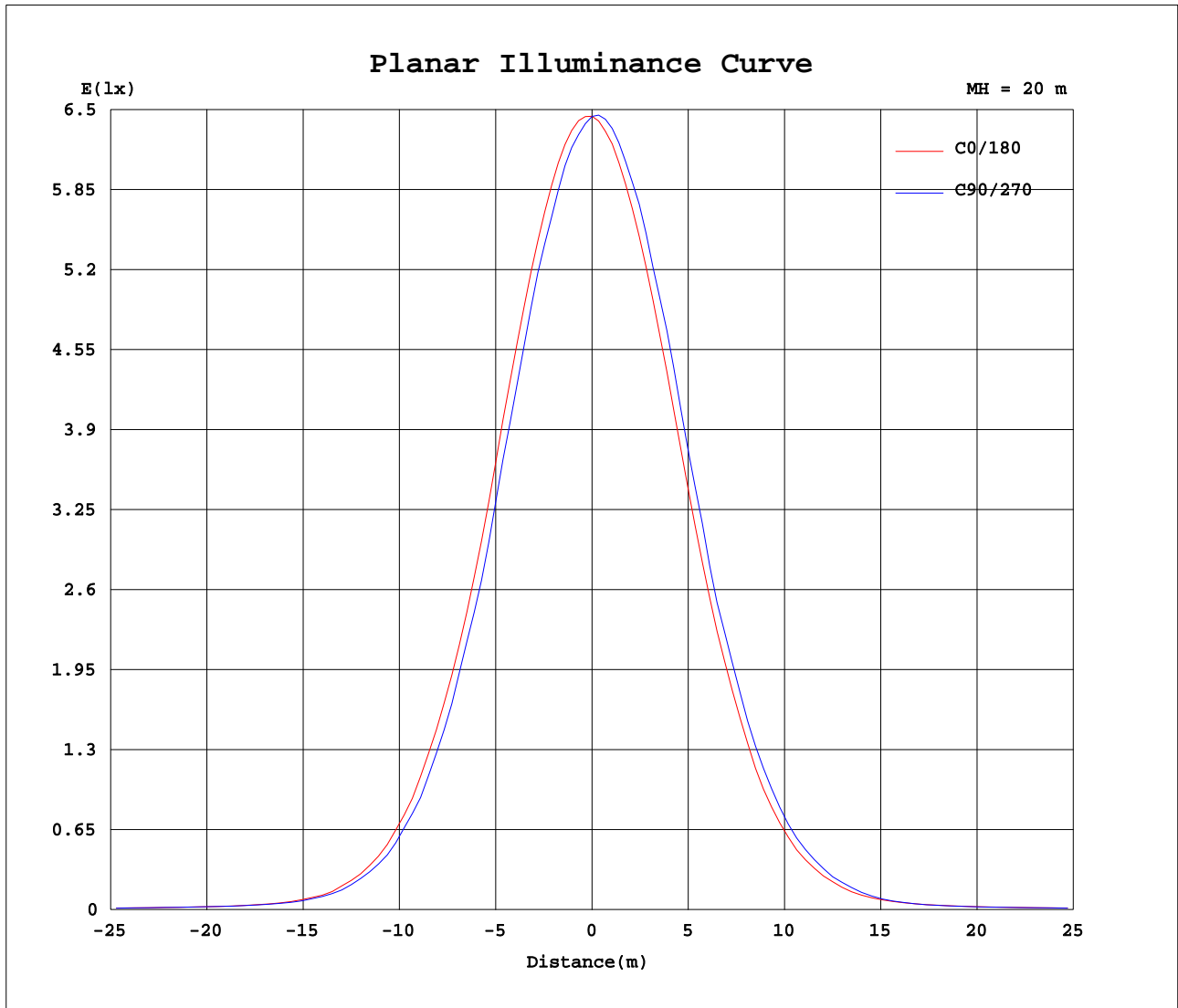
AvgL	cd/m2
L_0~180(65)av	3703
L_0~180(75)av	684
L_0~180(85)av	650
L_90~270(65)av	3768
L_90~270(75)av	727
L_90~270(85)av	634
L_45(65)av	3727
L_45(75)av	707
L_45(85)av	650

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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: 15.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: LXJ
 Test Date: 2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581
5	2457	2453	2426	2418	2393	2394	2368	2379	2367	2379	2374	2392	2387	2391	2416	2414	2441	2440	2462
10	2053	2053	2007	1998	1962	1967	1921	1939	1921	1942	1925	1965	1956	1965	2006	2006	2050	2043	2083
15	1472	1480	1421	1418	1372	1376	1327	1356	1334	1373	1346	1396	1386	1390	1440	1442	1489	1479	1528
20	920	929	879	881	845	852	808	835	824	852	832	866	863	858	902	900	943	931	972
25	487	491	460	464	443	448	421	432	425	442	429	454	449	446	477	483	514	508	530
30	222	226	212	216	203	205	190	193	189	200	196	212	208	207	224	231	248	245	252
35	86.4	87.2	86.1	89.6	83.6	84.3	78.4	78.0	76.6	82.8	82.2	88.2	86.3	87.4	96.8	100	106	101	102
40	42.1	42.4	41.9	43.8	42.7	42.6	39.9	39.6	38.6	39.1	38.5	41.3	42.5	43.5	46.0	46.0	46.5	43.4	43.1
45	27.2	27.3	27.1	28.7	29.2	28.9	27.2	26.9	26.9	26.7	26.1	27.2	28.1	28.5	29.0	28.8	29.5	28.0	26.6
50	22.0	22.0	21.9	22.7	23.2	22.9	21.8	21.6	21.6	21.4	21.1	21.6	22.3	22.3	22.5	22.7	23.3	22.5	21.7
55	17.6	17.6	17.3	17.7	17.7	17.7	17.1	17.0	16.8	17.0	16.9	17.3	17.3	17.4	17.7	17.8	18.2	17.8	17.7
60	12.6	12.5	12.1	12.2	12.1	12.0	11.5	11.6	11.4	11.7	11.7	12.1	11.9	11.8	12.4	12.4	12.9	12.7	13.1
65	7.01	7.04	6.45	6.46	6.09	6.15	5.62	5.93	5.63	5.91	5.93	6.23	6.09	6.05	6.65	6.70	7.31	7.25	7.70
70	3.22	3.25	2.97	2.99	2.81	2.85	2.56	2.67	2.47	2.63	2.62	2.76	2.65	2.65	2.93	2.95	3.25	3.24	3.48
75	0.95	0.95	0.80	0.80	0.67	0.68	0.52	0.57	0.47	0.53	0.52	0.62	0.53	0.55	0.69	0.73	0.91	0.92	1.06
80	0.31	0.29	0.31	0.30	0.32	0.30	0.33	0.30	0.32	0.30	0.32	0.31	0.27	0.29	0.26	0.29	0.26	0.28	0.26
85	0.27	0.25	0.27	0.25	0.26	0.25	0.25	0.23	0.24	0.24	0.24	0.24	0.20	0.22	0.21	0.23	0.21	0.24	0.22
90	0.00	0.00	0.05	0.00	0.05	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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-AC30 38D(Actual 32D) 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2581	2581	2581	2581	2581														
5	2462	2479	2472	2477	2455														
10	2076	2100	2079	2090	2048														
15	1509	1535	1500	1515	1458														
20	947	963	931	947	911														
25	510	518	495	503	484														
30	236	239	228	232	221														
35	93.2	94.7	93.1	95.6	89.4														
40	40.6	41.0	40.0	41.3	40.3														
45	25.9	26.6	26.0	25.8	26.0														
50	21.4	21.8	21.5	21.4	21.3														
55	17.4	17.8	17.6	17.6	17.3														
60	12.8	13.0	12.8	13.0	12.6														
65	7.38	7.58	7.29	7.55	7.00														
70	3.37	3.47	3.34	3.46	3.23														
75	0.99	1.06	1.01	1.07	0.92														
80	0.28	0.26	0.28	0.32	0.27														
85	0.24	0.21	0.23	0.21	0.23														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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: