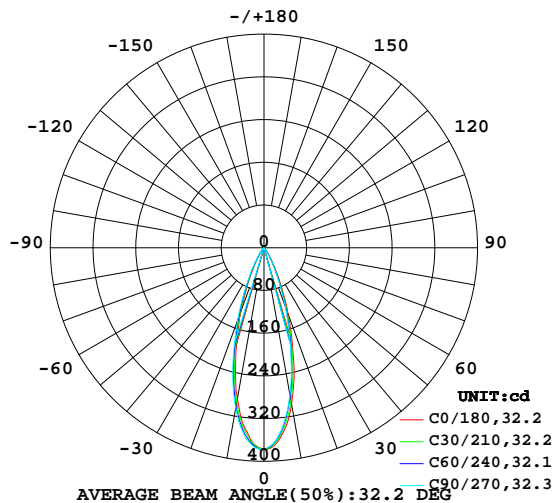


LUMINAIRE PHOTOMETRIC TEST REPORT

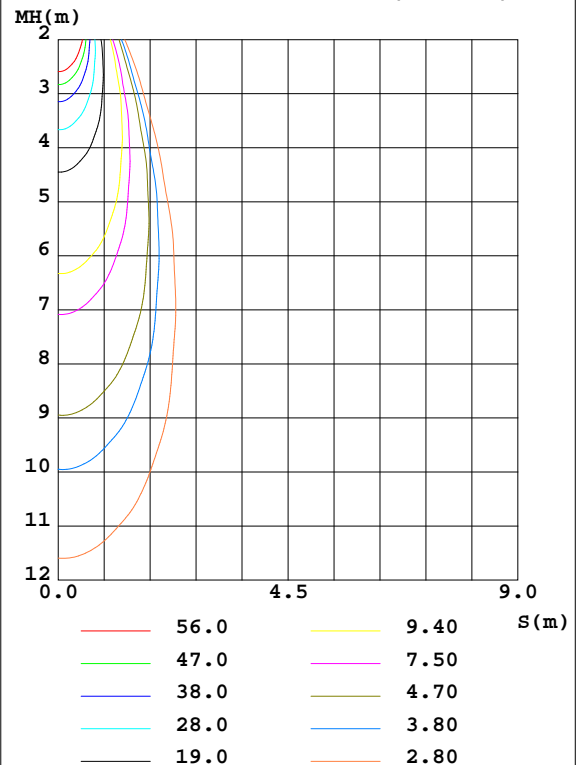
NAME: TLO020-21	TYPE:3000K CRI90	WEIGHT:1
SPEC.:36V500mA	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:73	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.31 lm/W			
MODEL	CXM-14-30-90-36-AC30	Imax(cd)	378.3	S/MH(C0/180)	0.53
NOMINAL POWER(W)	2	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	136.95	η UP,DN(C0-180)	0.0,47.8
NOMINAL FLUX(lm)	136.947	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.2
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	297.6	290.3	280.0	284.2	288.1	297.0	305.4	302.0	0- 10	31.79	31.79	23.2,23.2
20	132.1	125.3	117.0	121.1	126.8	134.1	144.2	139.4	10- 20	56.91	88.70	64.8,64.8
30	33.37	29.13	25.68	28.48	30.34	33.11	37.09	36.89	20- 30	32.32	121.0	88.4,88.4
40	5.873	5.291	5.321	6.055	6.106	6.300	7.258	7.198	30- 40	9.194	130.2	95.1,95.1
50	3.101	3.036	3.038	3.243	3.261	3.255	3.439	3.401	40- 50	3.256	133.5	97.5,97.5
60	1.827	1.751	1.629	1.685	1.773	1.846	1.955	1.905	50- 60	2.265	135.7	99.1,99.1
70	0.4753	0.4257	0.3800	0.3805	0.3957	0.4365	0.4772	0.4877	60- 70	1.009	136.7	99.9,99.9
80	0.0543	0.0330	0.0471	0.0353	0.0307	0.0448	0.0283	0.0471	70- 80	0.1648	136.9	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0375	136.9	100,100
100	0	0	0	0	0	0	0	0	90-100	0	136.9	100,100
110	0	0	0	0	0	0	0	0	100-110	0	136.9	100,100
120	0	0	0	0	0	0	0	0	110-120	0	136.9	100,100
130	0	0	0	0	0	0	0	0	120-130	0	136.9	100,100
140	0	0	0	0	0	0	0	0	130-140	0	136.9	100,100
150	0	0	0	0	0	0	0	0	140-150	0	136.9	100,100
160	0	0	0	0	0	0	0	0	150-160	0	136.9	100,100
170	0	0	0	0	0	0	0	0	160-170	0	136.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	136.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

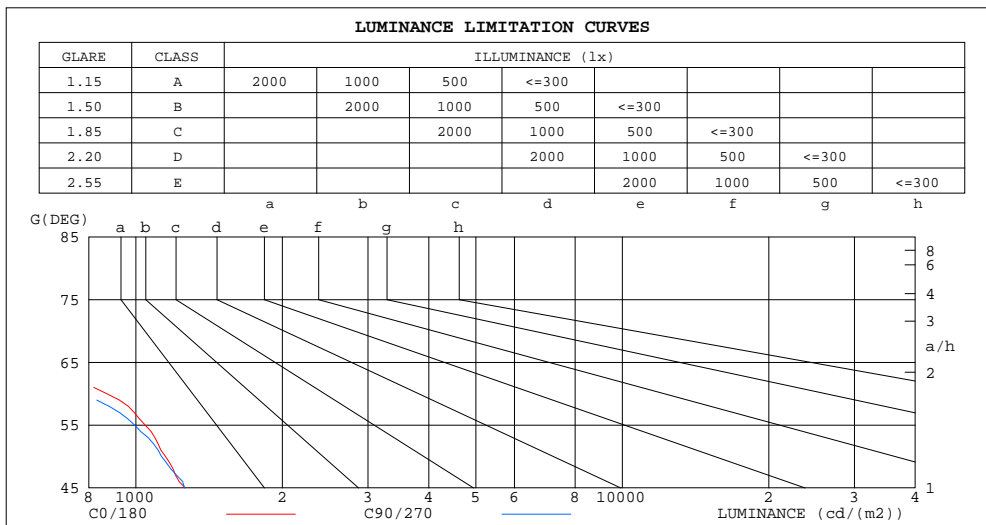
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2025-04-24

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:



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

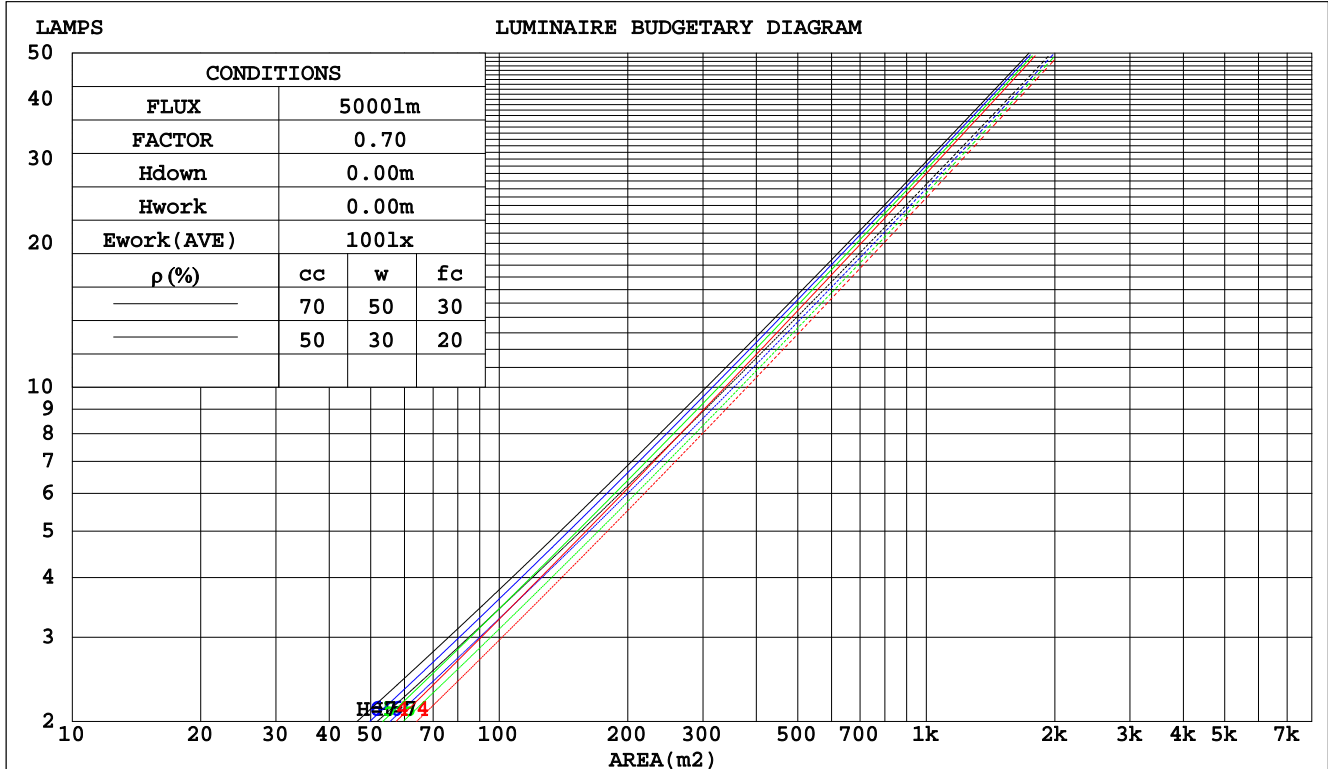
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

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	1.00
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	.93	.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	.69	.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	.095	.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		13.5	14.3	13.7	14.4	14.6	12.9	13.7	13.1	13.8	14.0
3H		13.6	14.3	13.9	14.5	14.7	13.0	13.7	13.2	13.9	14.1
4H		13.6	14.3	13.8	14.5	14.7	12.9	13.6	13.2	13.8	14.0
6H		13.5	14.1	13.8	14.4	14.6	12.8	13.5	13.1	13.7	13.9
8H		13.4	14.1	13.7	14.3	14.6	12.8	13.4	13.1	13.7	13.9
12H		13.4	14.0	13.7	14.3	14.5	12.7	13.3	13.1	13.6	13.9
4H 2H		13.6	14.2	13.8	14.5	14.7	13.0	13.7	13.3	13.9	14.1
3H		13.7	14.3	14.0	14.6	14.8	13.1	13.7	13.4	14.0	14.2
4H		13.6	14.2	14.0	14.5	14.8	13.0	13.6	13.4	13.9	14.2
6H		13.6	14.0	13.9	14.4	14.7	12.9	13.4	13.3	13.7	14.1
8H		13.5	13.9	13.9	14.3	14.7	12.9	13.3	13.3	13.7	14.1
12H		13.5	13.9	13.9	14.2	14.6	12.8	13.3	13.3	13.6	14.0
8H 4H		13.5	14.0	13.9	14.3	14.7	12.9	13.4	13.3	13.7	14.1
6H		13.4	13.8	13.8	14.2	14.6	12.8	13.2	13.2	13.6	14.0
8H		13.4	13.7	13.8	14.1	14.5	12.8	13.1	13.2	13.5	13.9
12H		13.3	13.6	13.8	14.0	14.5	12.7	13.0	13.2	13.4	13.9
12H 4H		13.5	13.9	13.9	14.2	14.6	12.9	13.3	13.3	13.6	14.0
6H		13.4	13.7	13.8	14.1	14.5	12.8	13.1	13.2	13.5	13.9
8H		13.3	13.6	13.8	14.0	14.5	12.7	13.0	13.2	13.4	13.9
Variations with the observer position at spacings:											
S = 1.0H		+ 1.5 / - 1.4					+ 1.1 / - 1.3				
1.5H		+ 2.4 / - 1.3					+ 1.6 / - 1.2				
2.0H		+ 1.1 / - 1.9					+ 1.1 / - 2.2				

CIE Pub.117, 136.9 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -6.9$)

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		

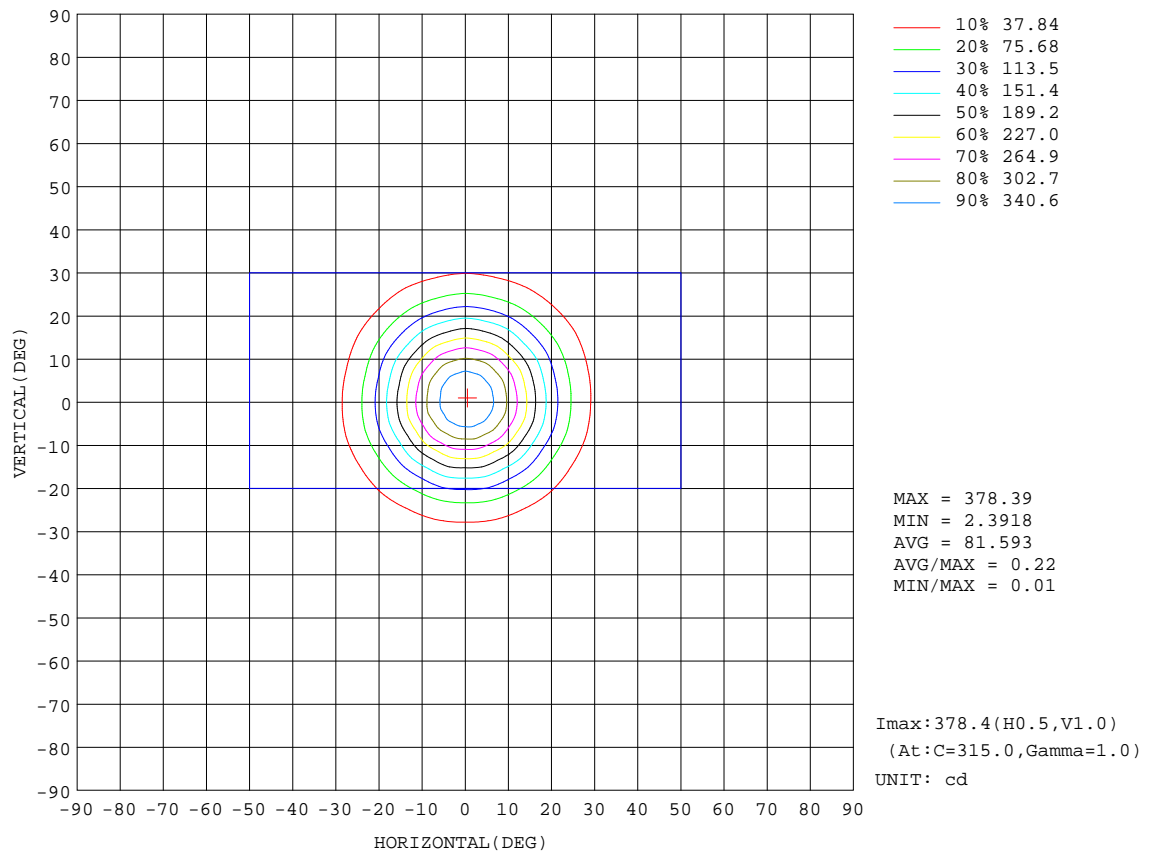
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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

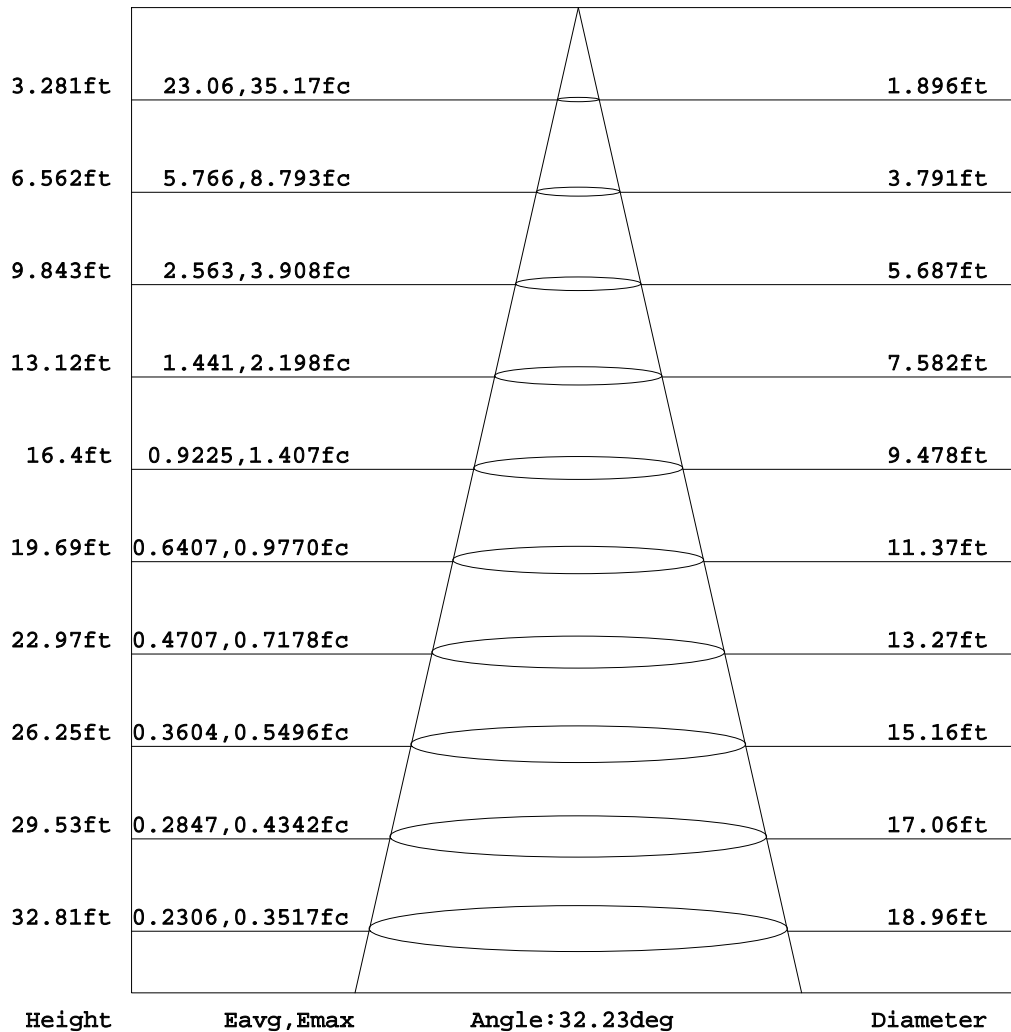
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

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:72.90 lm



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

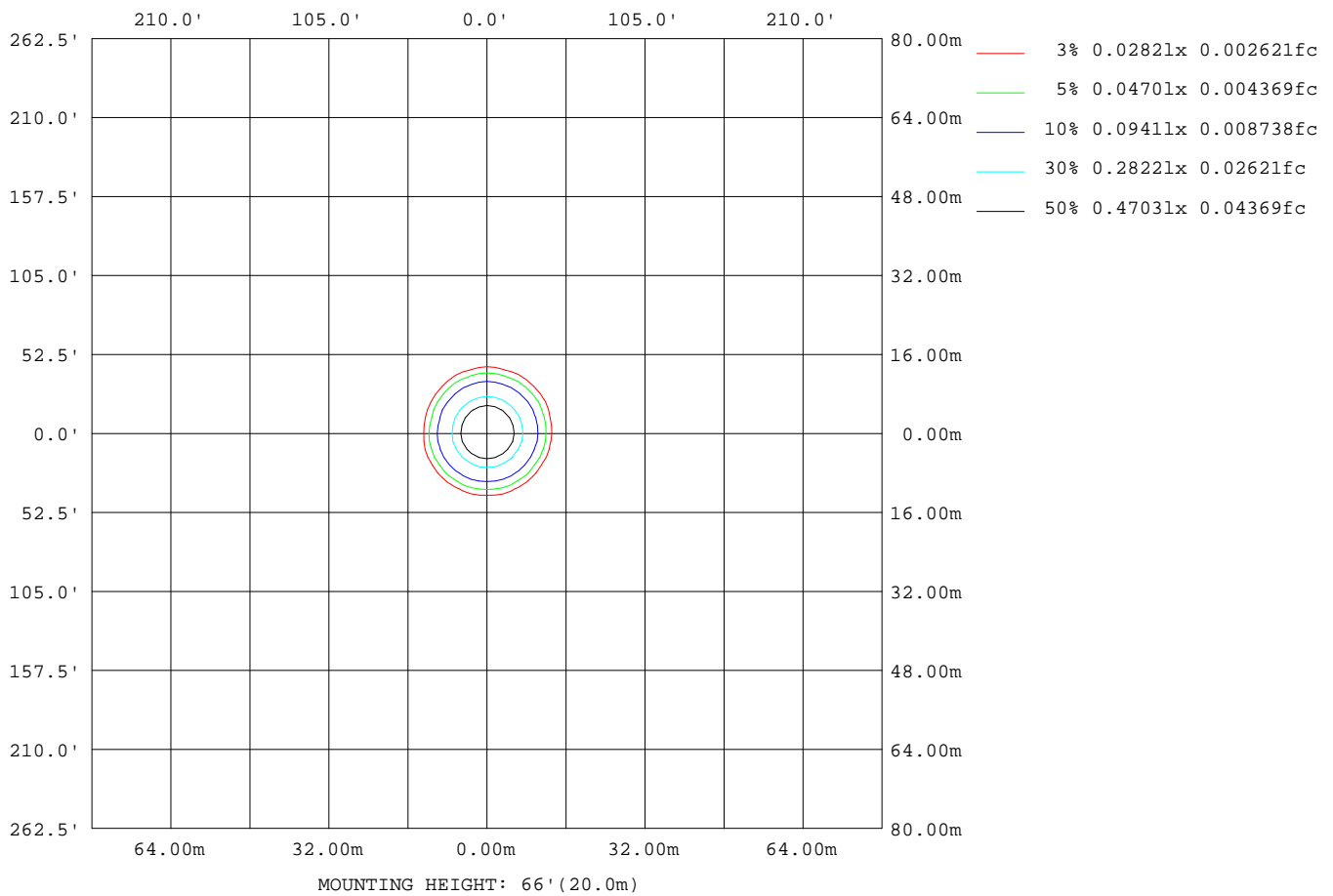
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-04-24

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:

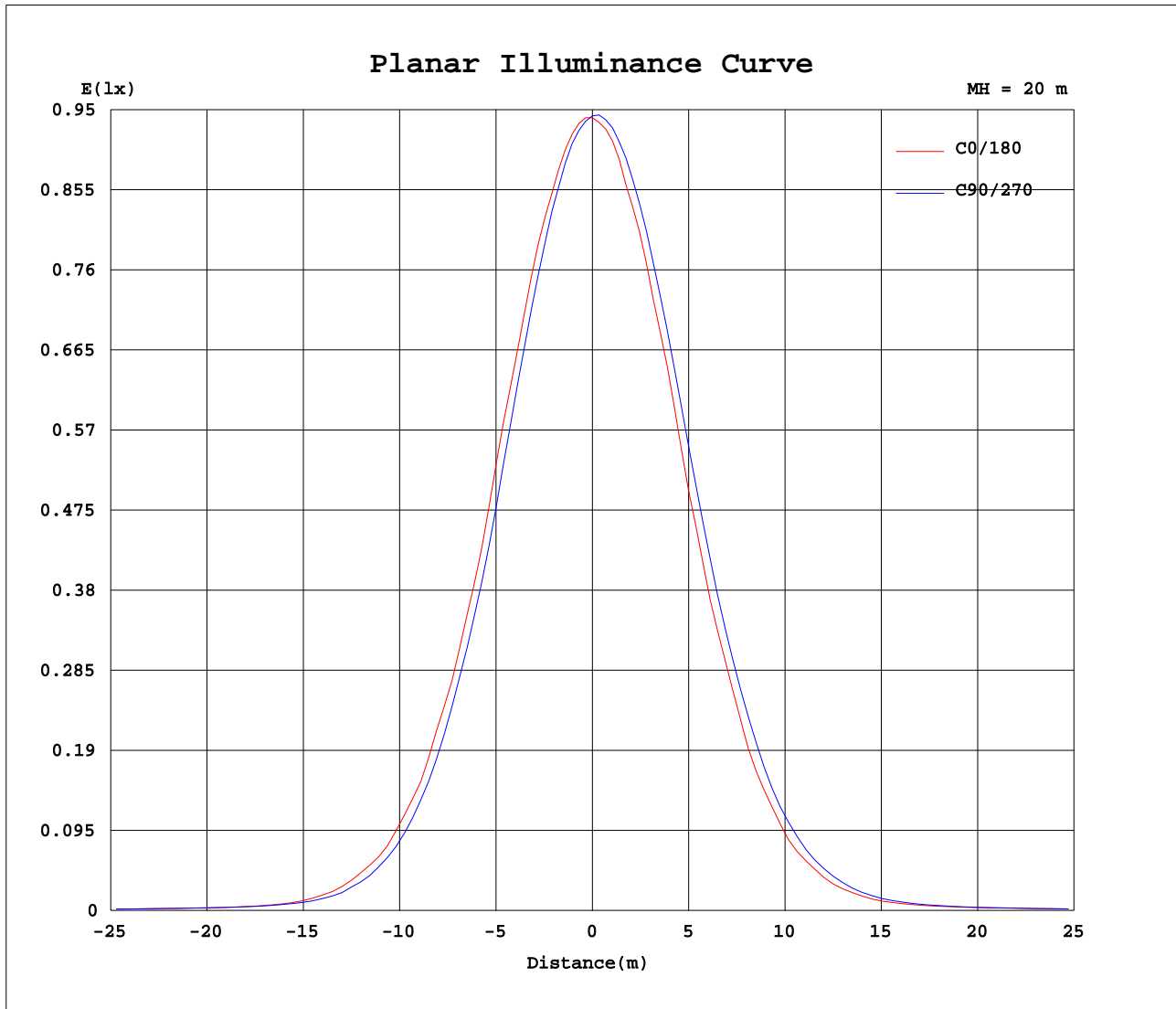
AvgL	cd/m2
L_0~180(65)av	542
L_0~180(75)av	99
L_0~180(85)av	104
L_90~270(65)av	544
L_90~270(75)av	100
L_90~270(85)av	94
L_45(65)av	546
L_45(75)av	97
L_45(85)av	103

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(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377
5	357	357	353	353	349	349	347	347	346	349	347	350	349	351	353	355	358	358	361
10	298	298	291	290	283	284	280	281	280	284	283	288	288	290	295	297	302	302	305
15	214	215	205	204	195	198	192	196	192	197	196	204	204	204	212	214	221	220	225
20	132	133	125	125	119	121	117	119	117	121	121	126	127	127	134	134	140	139	144
25	71.5	70.5	65.2	64.7	61.3	61.8	59.2	61.0	59.1	62.9	63.1	66.7	66.3	66.1	70.3	72.7	75.2	74.9	78.1
30	33.4	32.3	28.9	29.1	26.4	26.9	25.7	26.7	26.3	28.5	28.4	30.6	30.3	29.8	32.4	33.1	35.8	35.3	37.1
35	13.4	12.5	11.5	11.6	10.9	11.0	10.4	10.7	11.0	12.0	11.8	12.6	12.6	12.1	13.0	13.7	15.2	15.2	15.8
40	5.87	5.62	5.32	5.29	5.16	5.23	5.32	5.46	5.54	6.05	6.11	6.29	6.11	6.04	6.20	6.30	6.61	6.78	7.26
45	3.74	3.72	3.69	3.64	3.54	3.65	3.73	3.77	3.81	4.09	4.23	4.26	4.07	4.02	4.12	4.08	4.08	4.28	4.46
50	3.10	3.09	3.07	3.04	2.97	3.00	3.04	3.06	3.09	3.24	3.36	3.38	3.26	3.23	3.27	3.25	3.25	3.32	3.44
55	2.51	2.50	2.48	2.46	2.40	2.42	2.38	2.40	2.40	2.50	2.56	2.62	2.57	2.54	2.59	2.61	2.64	2.66	2.73
60	1.83	1.82	1.74	1.75	1.70	1.69	1.63	1.64	1.61	1.69	1.71	1.78	1.77	1.76	1.82	1.85	1.94	1.92	1.96
65	1.02	1.03	0.92	0.94	0.86	0.88	0.81	0.83	0.81	0.85	0.85	0.90	0.90	0.90	0.98	0.98	1.10	1.07	1.11
70	0.48	0.47	0.44	0.43	0.41	0.40	0.38	0.37	0.36	0.38	0.39	0.41	0.40	0.41	0.43	0.44	0.48	0.48	0.48
75	0.14	0.12	0.12	0.10	0.10	0.08	0.08	0.07	0.08	0.07	0.09	0.08	0.07	0.09	0.09	0.11	0.12	0.13	0.13
80	0.05	0.03	0.05	0.03	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.03	0.03	0.05	0.03	0.04	0.03	0.05	0.03
85	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.03
90	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
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(DEG) γ (DEG)	285	300	315	330	345														
0	377	377	377	377	377														
5	359	360	358	359	357														
10	303	305	302	303	299														
15	223	225	221	222	215														
20	141	144	139	141	134														
25	75.8	77.6	76.3	76.8	73.3														
30	35.9	37.0	36.9	37.3	34.3														
35	15.5	16.3	16.1	15.9	14.3														
40	7.20	7.41	7.20	6.86	6.16														
45	4.44	4.42	4.33	4.30	4.00														
50	3.42	3.39	3.40	3.43	3.23														
55	2.69	2.70	2.68	2.68	2.57														
60	1.91	1.96	1.90	1.92	1.85														
65	1.07	1.12	1.09	1.12	1.03														
70	0.48	0.49	0.49	0.49	0.47														
75	0.14	0.14	0.14	0.14	0.14														
80	0.04	0.03	0.05	0.03	0.04														
85	0.04	0.03	0.04	0.03	0.04														
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: