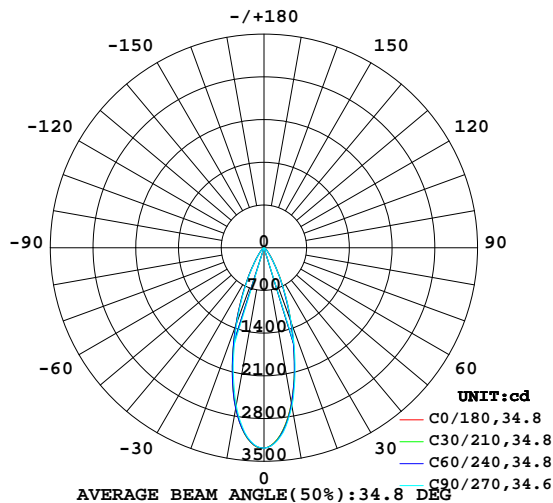


## LUMINAIRE PHOTOMETRIC TEST REPORT

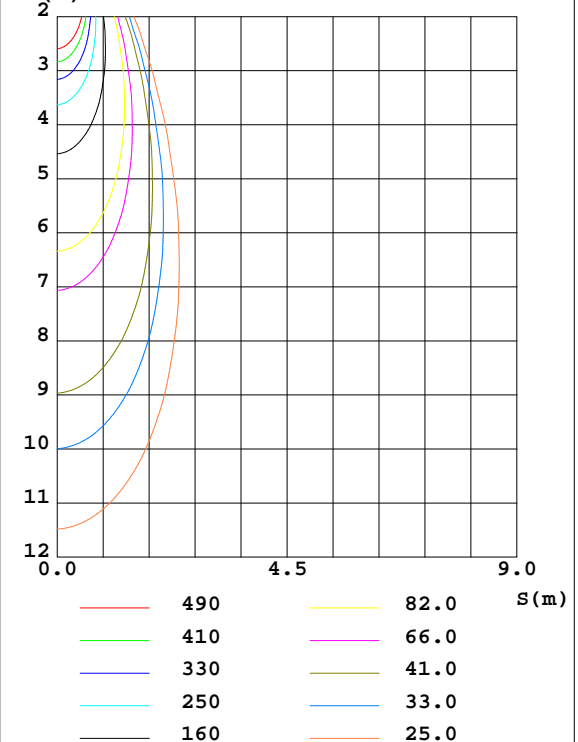
NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.74 lm/W			
MODEL		Imax(cd)	3292	S/MH(C0/180)	0.58
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1475.7	$\eta$ UP,DN(C0-180)	1.2,49.9
NOMINAL FLUX(lm)	1475.71	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.2,47.7
LAMPS INSIDE	1	$\eta$ up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	$\eta$ down(%)	97.6	CIBSE SHR MAX	0.60

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:2024-09-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2583	2605	2641	2754	2667	2634	2626	2524	0- 10	281.2	281.2	19.1,19.1
20	1293	1311	1312	1441	1353	1318	1299	1219	10- 20	538.9	820.0	55.6,55.6
30	444.0	434.2	428.5	485.9	442.9	428.3	411.9	397.8	20- 30	368.1	1188	80.5,80.5
40	138.8	127.8	122.9	135.3	121.9	117.9	113.8	118.5	30- 40	150.3	1338	90.7,90.7
50	54.82	47.98	46.12	50.45	47.83	46.25	45.84	47.87	40- 50	60.01	1398	94.8,94.8
60	20.70	18.11	17.63	20.99	20.03	18.64	18.23	18.29	50- 60	28.69	1427	96.7,96.7
70	4.862	4.253	4.231	5.575	5.307	4.740	4.504	4.242	60- 70	10.60	1438	97.4,97.4
80	0.5991	0.5545	0.5644	0.5630	0.4993	0.5177	0.5018	0.5236	70- 80	1.987	1440	97.6,97.6
90	0.3520	0.3678	0.3450	0.3593	0.3149	0.2752	0.3032	0.2904	80- 90	0.4203	1440	97.6,97.6
100	0.5258	0.5308	0.5129	0.5324	0.5065	0.4491	0.4736	0.4721	90-100	0.4397	1441	97.6,97.6
110	0.9764	0.9627	0.9415	0.9519	0.9516	0.8823	0.8790	0.9329	100-110	0.7161	1441	97.7,97.7
120	2.408	2.322	2.309	2.226	2.225	2.176	2.150	2.335	110-120	1.466	1443	97.8,97.8
130	5.746	5.628	5.546	5.355	5.295	5.256	5.297	5.650	120-130	3.280	1446	98,98
140	11.06	10.92	10.91	10.54	10.39	10.41	10.52	10.93	130-140	6.115	1452	98.4,98.4
150	16.32	16.29	16.45	16.11	15.93	15.99	16.06	16.24	140-150	8.436	1461	99,99
160	18.55	18.66	19.13	18.99	18.84	18.80	18.97	18.43	150-160	8.219	1469	99.5,99.5
170	17.11	17.48	17.90	18.27	17.98	17.87	17.64	17.22	160-170	5.245	1474	99.9,99.9
180	16.73	17.05	16.85	17.14	16.74	17.06	16.84	17.14	170-180	1.644	1476	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

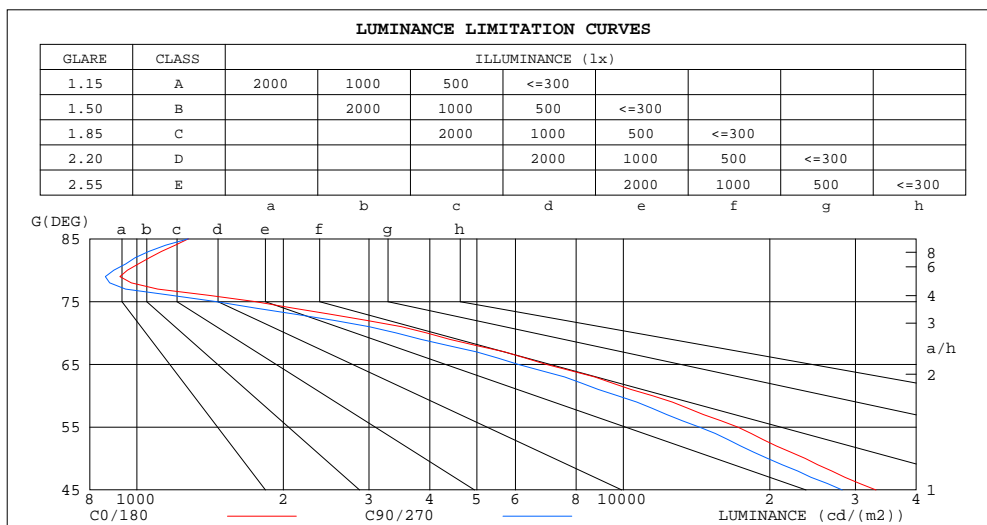
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:LXJ  
 Test Date:2024-09-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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 35D 3000K CRI90 NA 20240926(Cir

## LUMINANCE LIMITATION CURVES

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	1276	1275
80	956	897
75	1748	1452
70	3941	3412
65	6933	6068
60	11475	9725
55	17181	14318
50	23645	19791
45	33068	28172

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

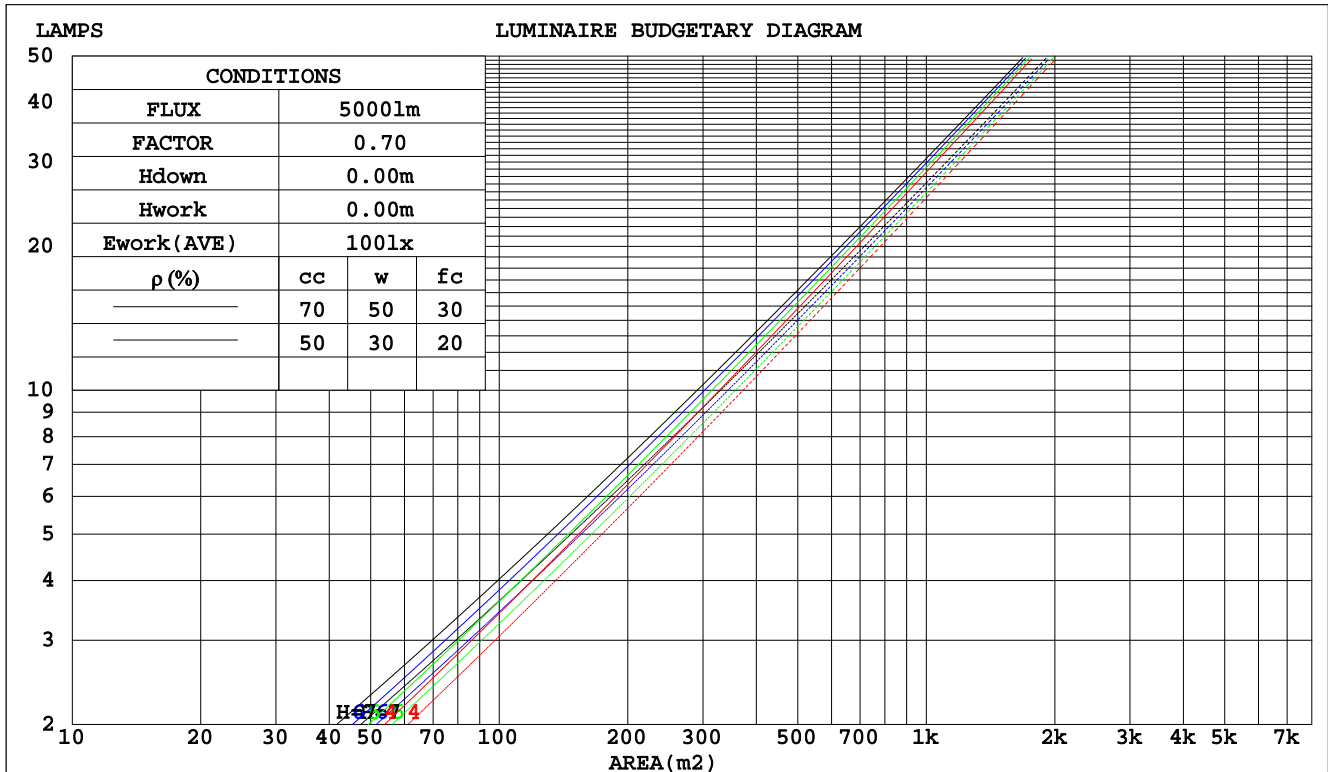
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-AC30 35D 3000K CRI90 NA 20240926(Cir

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	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	1.06	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.95	.94	.92
2.0	1.04	1.00	.97	1.02	.99	.96	.98	.96	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.90	.96	.92	.89	.93	.90	.87	.91	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.84	.91	.86	.83	.89	.85	.82	.86	.83	.80	.84	.82	.79	.78
5.0	.87	.82	.78	.86	.82	.78	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.83	.78	.74	.82	.77	.74	.80	.76	.73	.79	.75	.72	.77	.74	.72	.70
7.0	.79	.74	.70	.78	.73	.70	.77	.72	.69	.75	.72	.69	.74	.71	.68	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.72	.68	.65	.71	.68	.65	.64
9.0	.72	.67	.63	.72	.67	.63	.70	.66	.63	.69	.65	.63	.69	.65	.62	.61
10.0	.69	.64	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.58



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

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 35D 3000K CRI90 NA 20240926(Cir

## WEC AND CCEC

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	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	.166	.094	.030	.158	.090	.029	.144	.083	.026	.132	.076	.024	.120	.069	.022		
2.0	.157	.086	.026	.151	.083	.026	.139	.077	.024	.128	.072	.022	.118	.067	.021		
3.0	.148	.079	.024	.143	.077	.023	.133	.072	.022	.124	.068	.021	.115	.064	.020		
4.0	.140	.073	.021	.136	.071	.021	.127	.067	.020	.119	.064	.019	.111	.060	.018		
5.0	.133	.068	.020	.129	.066	.019	.121	.063	.019	.114	.060	.018	.108	.057	.017		
6.0	.126	.063	.018	.123	.062	.018	.116	.059	.017	.110	.057	.017	.104	.055	.016		
7.0	.120	.059	.017	.117	.058	.017	.111	.056	.016	.106	.054	.016	.100	.052	.015		
8.0	.115	.056	.016	.112	.055	.016	.107	.053	.015	.102	.051	.015	.097	.050	.014		
9.0	.110	.053	.015	.107	.052	.015	.102	.051	.014	.098	.049	.014	.094	.048	.014		
10.0	.105	.050	.014	.103	.050	.014	.098	.048	.014	.094	.047	.013	.090	.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	.178	.178	.178	.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	.173	.151	.133	.148	.130	.115	.101	.090	.080	.059	.052	.047	.019	.017	.015		
3.0	.160	.132	.110	.137	.114	.096	.094	.079	.067	.054	.046	.040	.017	.015	.013		
4.0	.149	.117	.093	.128	.101	.081	.088	.071	.057	.051	.041	.034	.016	.013	.011		
5.0	.140	.106	.081	.120	.091	.070	.083	.064	.049	.048	.037	.029	.015	.012	.010		
6.0	.132	.096	.071	.113	.083	.062	.078	.058	.044	.045	.034	.026	.015	.011	.009		
7.0	.125	.088	.063	.107	.077	.055	.074	.054	.039	.043	.032	.023	.014	.010	.008		
8.0	.119	.082	.057	.102	.071	.050	.071	.050	.035	.041	.029	.021	.013	.010	.007		
9.0	.113	.077	.052	.098	.067	.045	.068	.047	.032	.039	.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: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

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 35D 3000K CRI90 NA 20240926(Cir

UGR(Unified Glare Rating) Table

NAME: TLO020-21					TYPE:35D			WEIGHT:1			
SPEC.:3000K CRI90					DIM.:			SERIAL No.:			
MFR.:					SUR.:68			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		17.0	17.8	17.2	18.0	18.2	16.3	17.2	16.6	17.4	17.6
3H		16.9	17.7	17.2	17.9	18.2	16.3	17.0	16.6	17.3	17.5
4H		16.9	17.6	17.2	17.8	18.1	16.2	16.9	16.5	17.2	17.4
6H		16.8	17.4	17.1	17.7	18.0	16.1	16.8	16.4	17.1	17.3
8H		16.7	17.4	17.1	17.7	18.0	16.1	16.7	16.4	17.0	17.3
12H		16.7	17.3	17.0	17.6	17.9	16.0	16.6	16.4	16.9	17.3
4H 2H		16.9	17.6	17.2	17.8	18.1	16.2	17.0	16.5	17.2	17.5
3H		16.8	17.4	17.2	17.7	18.1	16.2	16.8	16.5	17.1	17.4
4H		16.7	17.3	17.1	17.6	18.0	16.1	16.6	16.5	17.0	17.3
6H		16.6	17.1	17.0	17.5	17.9	16.0	16.5	16.4	16.9	17.2
8H		16.6	17.0	17.0	17.4	17.8	15.9	16.4	16.4	16.8	17.2
12H		16.5	16.9	17.0	17.4	17.8	15.9	16.3	16.3	16.7	17.2
8H 4H		16.6	17.0	17.0	17.4	17.8	15.9	16.4	16.4	16.8	17.2
6H		16.5	16.8	16.9	17.3	17.7	15.8	16.2	16.3	16.6	17.1
8H		16.4	16.7	16.9	17.2	17.7	15.8	16.1	16.3	16.6	17.1
12H		16.4	16.6	16.9	17.1	17.6	15.7	16.0	16.2	16.5	17.0
12H 4H		16.5	16.9	17.0	17.4	17.8	15.9	16.3	16.3	16.7	17.2
6H		16.4	16.7	16.9	17.2	17.7	15.8	16.1	16.3	16.6	17.1
8H		16.3	16.6	16.9	17.1	17.6	15.7	16.0	16.2	16.5	17.0
Variations with the observer position at spacings:											
S = 1.0H		+ 2.2 / - 3.7					+ 2.3 / - 4.0				
1.5H		+ 3.3 / - 2.7					+ 3.4 / - 2.6				
2.0H		+ 3.5 / - 4.2					+ 3.3 / - 4.1				

CIE Pub.117, 1476 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 1.4$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:LXJ  
 Test Date:2024-09-26

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 35D 3000K CRI90 NA 20240926(Cir

### UTILIZATION FACTORS TABLE

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

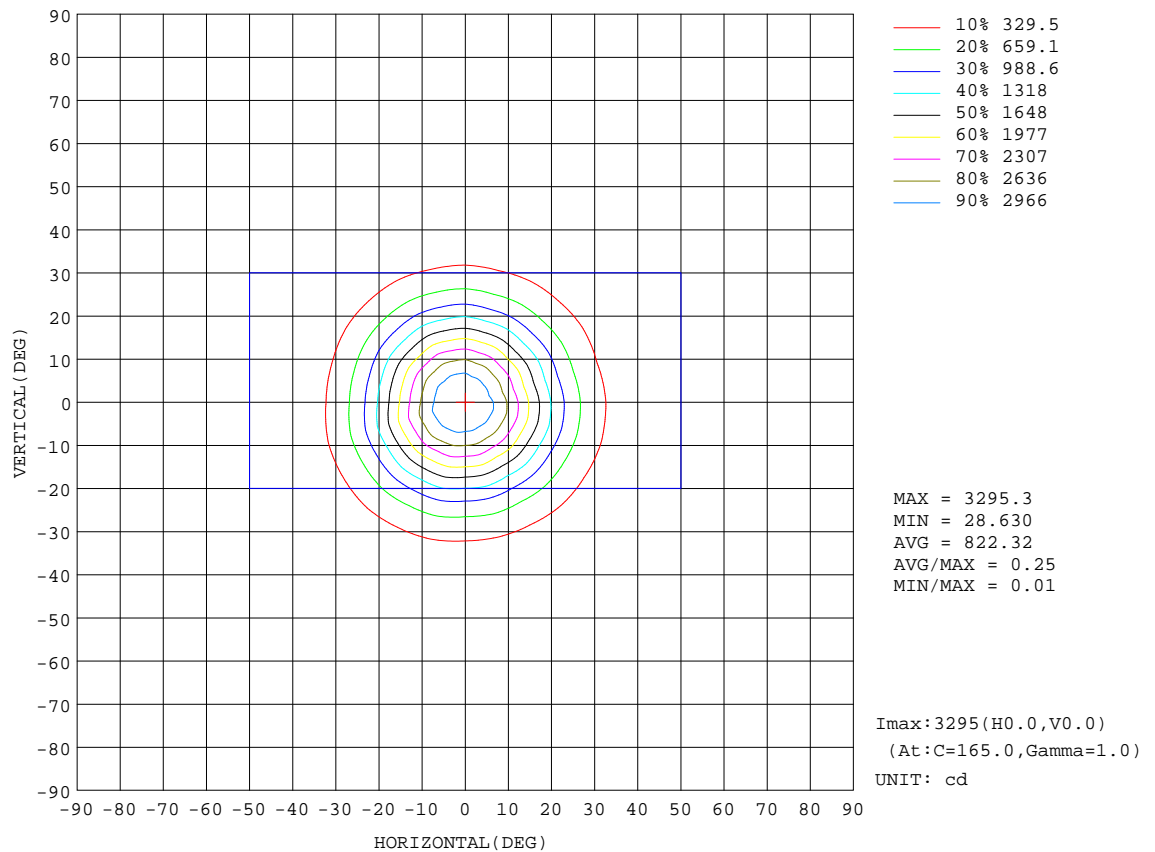
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	83	79
1.00	98	92	88	97	92	88	95	91	87	83
1.25	102	97	93	101	96	93	98	94	92	87
1.50	105	100	96	103	99	96	101	97	94	89
2.00	108	103	100	106	102	99	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	105	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	95
5.00	114	112	110	112	110	108	107	106	105	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

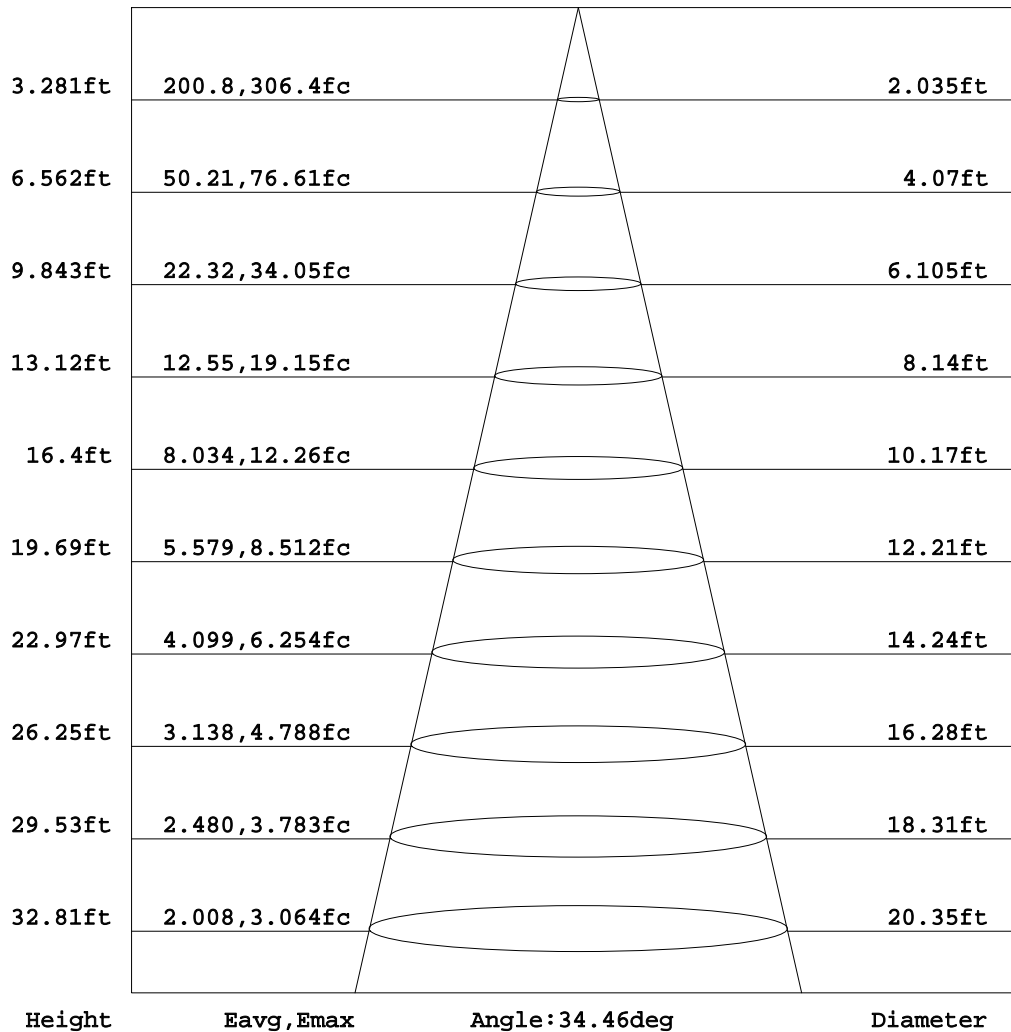
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:



### AAI Figure

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

Flux out:717.0 lm



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

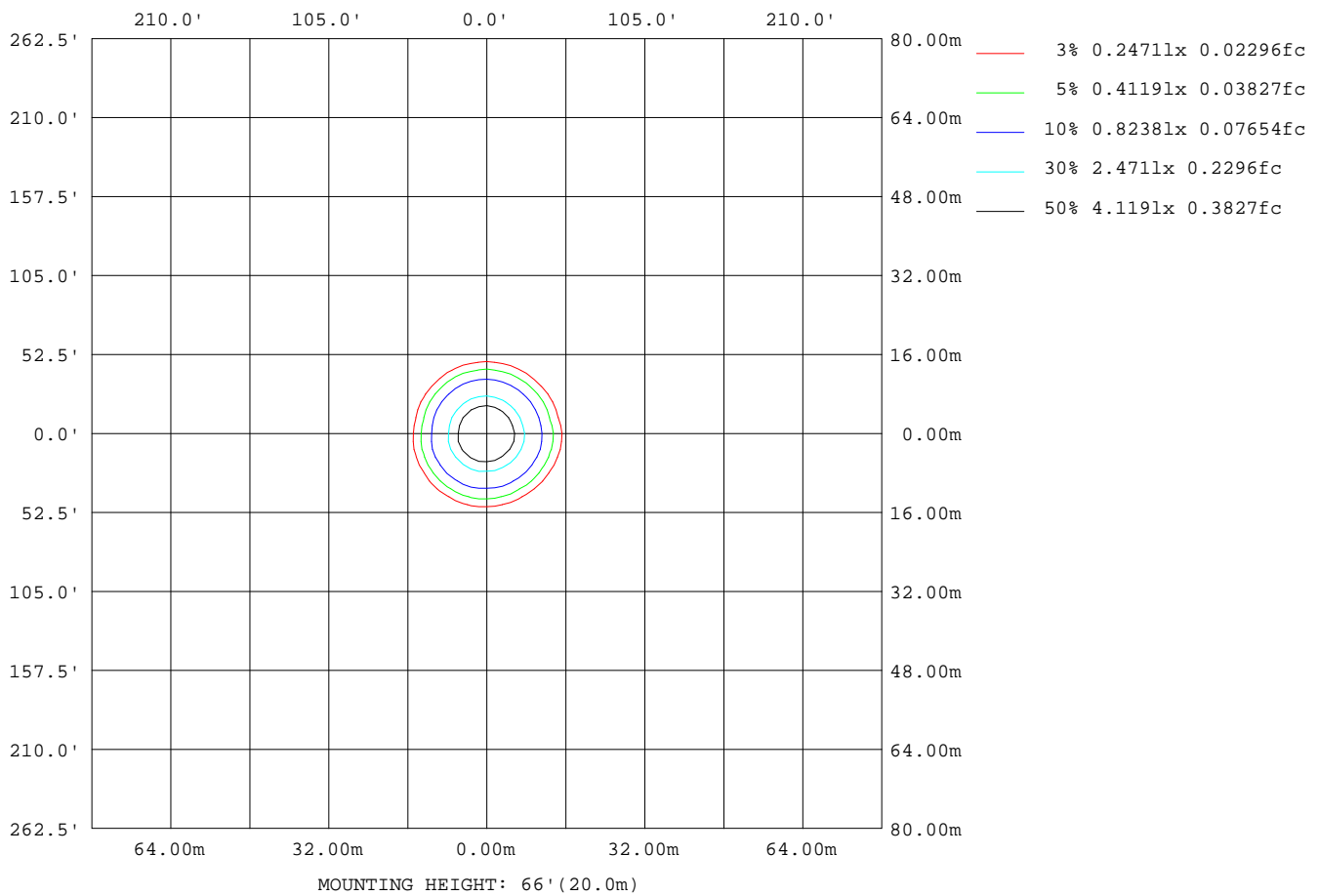
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

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 35D 3000K CRI90 NA 20240926(Cir

### ISOLUX DIAGRAM

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

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:

## LED Avg.L Report

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

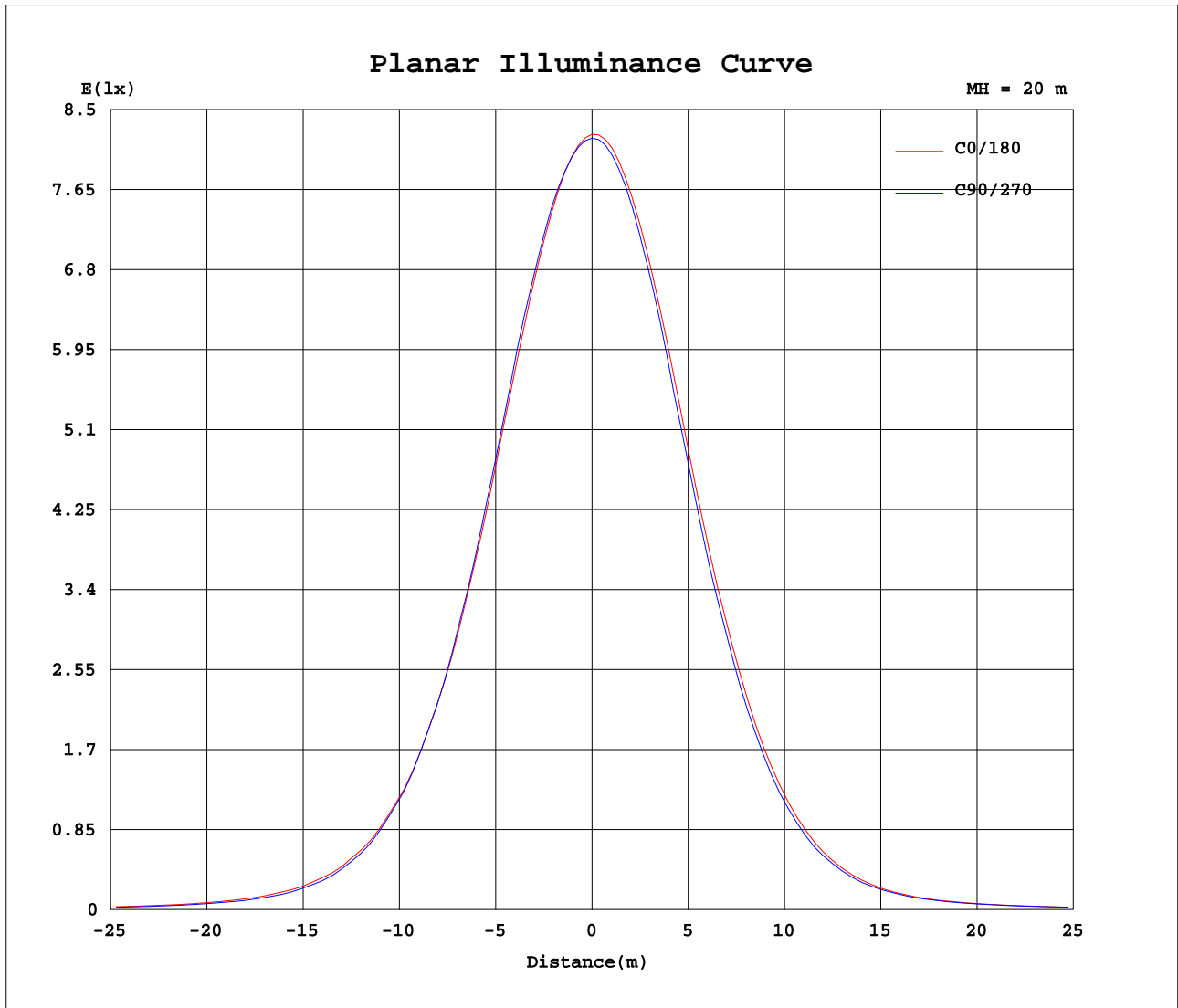
AvgL	cd/m2
L_0~180(65)av	7115
L_0~180(75)av	1803
L_0~180(85)av	1165
L_90~270(65)av	6267
L_90~270(75)av	1482
L_90~270(85)av	1167
L_45(65)av	6695
L_45(75)av	1610
L_45(85)av	1138

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

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: 2024-09-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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 35D 3000K CRI90 NA 20240926(Cir

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	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	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283	3283
5	3080	3092	3080	3092	3095	3103	3108	3144	3150	3169	3171	3188	3134	3122	3132	3110	3127	3116	3114
10	2583	2616	2589	2605	2601	2641	2641	2688	2695	2754	2727	2772	2667	2642	2668	2634	2675	2627	2626
15	1926	1963	1925	1956	1920	1984	1974	2039	2046	2111	2083	2134	2003	1979	2010	1972	2013	1942	1946
20	1293	1326	1287	1311	1273	1326	1312	1395	1387	1441	1420	1461	1353	1326	1355	1318	1349	1292	1299
25	785	810	776	788	759	797	784	843	835	883	859	892	814	790	809	787	803	764	769
30	444	454	434	434	412	435	428	465	459	486	471	489	443	431	439	428	432	411	412
35	248	247	232	228	219	225	224	241	242	251	245	251	229	222	225	219	221	209	212
40	139	141	129	128	120	123	123	132	129	135	131	135	122	119	121	118	119	114	114
45	84.3	83.2	77.5	74.6	71.9	73.2	72.2	75.3	75.6	78.1	76.9	78.3	73.0	71.6	72.3	71.1	71.5	69.9	69.6
50	54.8	53.7	49.9	48.0	46.5	46.9	46.1	47.9	48.7	50.5	50.1	50.7	47.8	47.1	47.3	46.3	46.5	45.5	45.8
55	35.5	34.9	32.1	30.9	29.7	30.1	29.8	31.3	32.0	33.7	33.2	33.9	32.0	31.6	31.5	30.4	30.5	29.7	30.1
60	20.7	20.6	18.8	18.1	17.2	17.8	17.6	19.0	19.3	21.0	20.4	21.2	20.0	19.8	19.6	18.6	18.7	18.0	18.2
65	10.6	10.8	9.82	9.50	8.88	9.49	9.30	10.4	10.6	11.7	11.4	12.0	11.2	11.1	10.9	10.2	10.2	9.73	9.88
70	4.86	4.93	4.37	4.25	4.02	4.29	4.23	4.78	4.93	5.58	5.44	5.79	5.31	5.25	5.10	4.74	4.78	4.48	4.50
75	1.63	1.65	1.35	1.34	1.24	1.36	1.36	1.59	1.59	1.94	1.81	2.04	1.75	1.74	1.67	1.54	1.57	1.42	1.41
80	0.60	0.57	0.56	0.55	0.56	0.55	0.56	0.55	0.56	0.56	0.58	0.58	0.50	0.51	0.49	0.52	0.50	0.52	0.50
85	0.40	0.38	0.38	0.38	0.38	0.38	0.40	0.39	0.40	0.40	0.42	0.41	0.33	0.34	0.33	0.35	0.33	0.35	0.33
90	0.35	0.37	0.35	0.37	0.35	0.37	0.35	0.36	0.34	0.36	0.36	0.37	0.31	0.29	0.30	0.28	0.30	0.28	0.30
95	0.44	0.44	0.42	0.44	0.41	0.43	0.41	0.43	0.41	0.43	0.42	0.44	0.40	0.37	0.37	0.35	0.37	0.35	0.37
100	0.53	0.54	0.52	0.53	0.52	0.53	0.51	0.53	0.51	0.53	0.52	0.55	0.51	0.48	0.48	0.45	0.47	0.45	0.47
105	0.69	0.70	0.68	0.69	0.68	0.68	0.67	0.67	0.66	0.69	0.69	0.71	0.67	0.65	0.64	0.62	0.62	0.61	0.62
110	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.93	0.94	0.95	0.97	0.98	0.95	0.93	0.90	0.88	0.87	0.87	0.88
115	1.51	1.48	1.49	1.46	1.49	1.44	1.45	1.40	1.43	1.42	1.47	1.46	1.43	1.42	1.37	1.36	1.32	1.35	1.35
120	2.41	2.34	2.39	2.32	2.39	2.28	2.31	2.22	2.27	2.23	2.30	2.26	2.23	2.24	2.15	2.18	2.11	2.16	2.15
125	3.79	3.73	3.76	3.70	3.77	3.64	3.64	3.54	3.56	3.52	3.57	3.55	3.49	3.50	3.42	3.43	3.38	3.44	3.45
130	5.75	5.66	5.72	5.63	5.73	5.55	5.55	5.40	5.44	5.35	5.38	5.37	5.29	5.32	5.23	5.26	5.20	5.31	5.30
135	8.23	8.12	8.20	8.09	8.25	8.02	8.02	7.83	7.87	7.74	7.79	7.74	7.64	7.68	7.57	7.61	7.58	7.69	7.71
140	11.1	10.9	11.0	10.9	11.1	10.9	10.9	10.7	10.7	10.5	10.6	10.5	10.4	10.4	10.3	10.4	10.4	10.5	10.5
145	13.9	13.8	13.8	13.8	14.0	13.8	13.8	13.6	13.6	13.4	13.5	13.4	13.3	13.3	13.2	13.3	13.3	13.4	13.4
150	16.3	16.2	16.3	16.3	16.5	16.4	16.5	16.2	16.2	16.1	16.1	16.1	15.9	15.9	15.9	16.0	16.0	16.1	16.1
155	18.0	17.9	18.0	18.0	18.3	18.3	18.3	18.2	18.2	18.1	18.0	18.1	17.9	17.9	17.8	17.9	18.0	18.1	18.0
160	18.6	18.5	18.6	18.7	19.0	19.1	19.1	19.1	19.0	19.0	19.0	19.1	18.8	18.8	18.8	18.8	19.0	19.0	19.0
165	18.1	18.1	18.2	18.4	18.6	18.7	18.8	18.9	18.9	18.9	18.9	19.0	18.7	18.7	18.6	18.6	18.8	18.8	18.7
170	17.1	17.1	17.3	17.5	17.8	17.8	17.9	18.0	18.1	18.3	18.3	18.2	18.0	18.1	18.1	17.9	17.8	17.7	17.6
175	16.5	16.5	16.6	16.8	17.0	16.9	16.9	17.1	17.3	17.6	17.5	17.3	17.2	17.3	17.4	17.4	17.2	17.0	16.9
180	16.7	16.8	16.9	17.1	17.0	16.8	16.8	16.9	17.0	17.1	16.9	16.8	16.7	16.7	16.9	17.1	17.0	16.8	16.8

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

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 35D 3000K CRI90 NA 20240926(Cir

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:35D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345												
0	3283	3283	3283	3283	3283												
5	3059	3063	3052	3038	3041												
10	2558	2566	2524	2533	2522												
15	1886	1901	1848	1879	1848												
20	1238	1255	1219	1245	1222												
25	726	740	725	741	735												
30	392	401	398	410	413												
35	204	211	211	220	223												
40	112	116	118	127	127												
45	69.0	70.5	73.0	77.2	78.6												
50	44.8	46.4	47.9	50.8	51.3												
55	29.1	30.3	31.1	32.9	32.8												
60	17.4	18.1	18.3	19.1	18.7												
65	9.21	9.67	9.55	9.78	9.44												
70	4.13	4.35	4.24	4.35	4.14												
75	1.25	1.29	1.22	1.26	1.20												
80	0.51	0.50	0.52	0.52	0.53												
85	0.33	0.32	0.31	0.31	0.30												
90	0.29	0.31	0.29	0.31	0.29												
95	0.36	0.38	0.37	0.39	0.37												
100	0.46	0.48	0.47	0.49	0.48												
105	0.63	0.64	0.64	0.65	0.65												
110	0.90	0.92	0.93	0.93	0.94												
115	1.41	1.41	1.46	1.44	1.47												
120	2.27	2.25	2.34	2.30	2.37												
125	3.60	3.60	3.70	3.68	3.75												
130	5.49	5.50	5.65	5.60	5.71												
135	7.93	7.95	8.11	8.07	8.18												
140	10.8	10.8	10.9	10.9	11.0												
145	13.6	13.6	13.8	13.7	13.8												
150	16.2	16.2	16.2	16.1	16.3												
155	18.1	17.9	17.9	17.7	17.9												
160	18.9	18.6	18.4	18.2	18.4												
165	18.5	18.3	18.0	17.8	17.9												
170	17.5	17.4	17.2	17.0	16.9												
175	16.9	16.9	16.8	16.5	16.4												
180	16.8	17.0	17.1	16.9	16.8												

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:LXJ  
Test Date:2024-09-26

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: