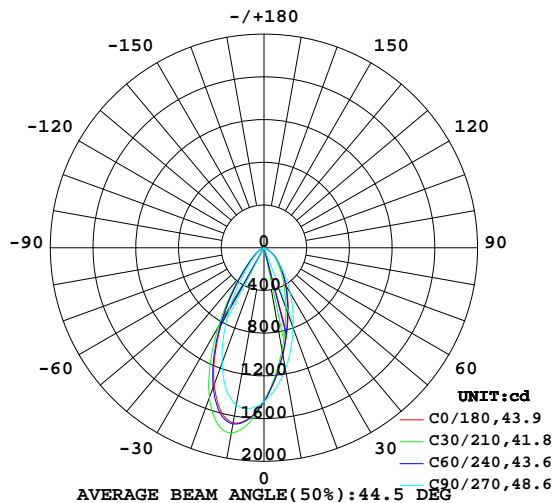


LUMINAIRE PHOTOMETRIC TEST REPORT

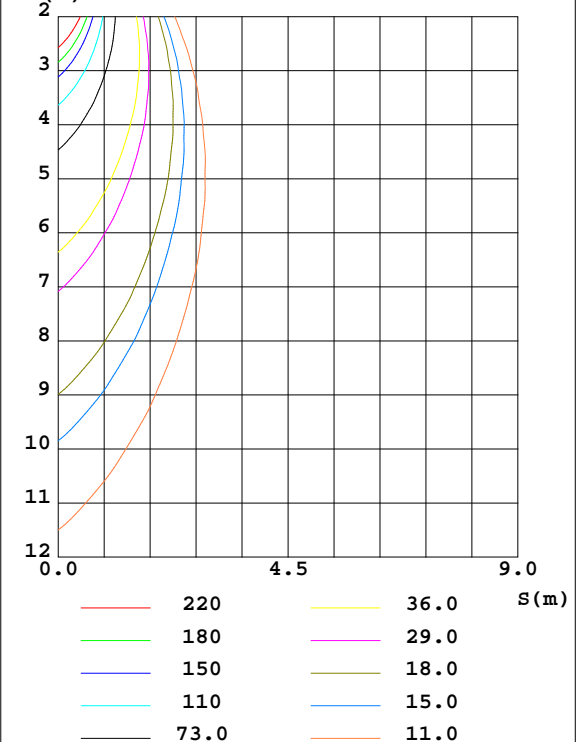
NAME: TLO020-21	TYPE:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.54 lm/W			
MODEL		Imax(cd)	1763	S/MH(C0/180)	0.92
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.86
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1349.0	η UP,DN(C0-180)	1.2,44.8
NOMINAL FLUX(lm)	1348.99	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,52.9
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	0.75

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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

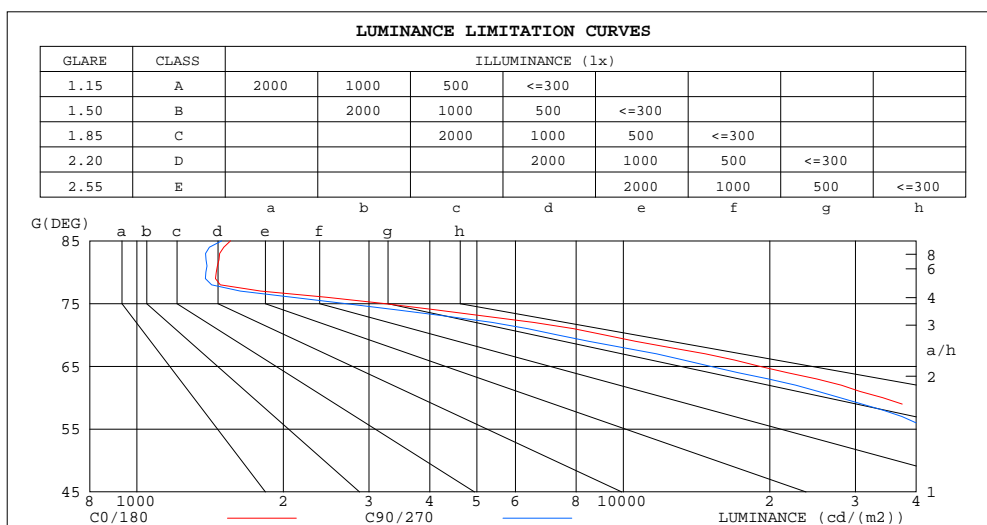
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1019	986.8	1156	1476	1666	1734	1494	1178	0- 10	132.7	132.7	9.83,9.83
20	662.9	612.8	796.8	1141	1368	1452	1149	806.0	10- 20	330.4	463.1	34.3,34.3
30	415.9	372.8	491.5	641.8	775.4	828.8	629.4	460.8	20- 30	357.9	821.0	60.9,60.9
40	250.7	222.9	267.7	275.5	319.8	335.9	252.3	223.9	30- 40	253.2	1074	79.6,79.6
50	140.9	128.7	135.1	112.3	126.0	125.6	99.83	103.3	40- 50	141.8	1216	90.1,90.1
60	61.20	53.69	50.82	40.88	41.72	43.62	37.64	38.93	50- 60	72.44	1288	95.5,95.5
70	11.21	9.623	9.130	9.835	9.654	10.43	9.640	8.276	60- 70	24.14	1313	97.3,97.3
80	0.9066	0.8730	0.8778	0.9254	0.8566	0.8898	0.9293	0.8421	70- 80	3.885	1316	97.6,97.6
90	0.4372	0.4547	0.4137	0.4309	0.4203	0.3884	0.4099	0.3591	80- 90	0.5768	1317	97.6,97.6
100	0.8503	0.8875	0.7828	0.7971	0.8341	0.8030	0.8263	0.7493	90-100	0.6428	1318	97.7,97.7
110	1.908	1.977	1.683	1.541	1.572	1.536	1.615	1.657	100-110	1.264	1319	97.8,97.8
120	4.048	4.250	3.556	2.920	2.751	2.701	2.966	3.486	110-120	2.404	1321	97.9,97.9
130	7.239	7.606	6.460	5.131	4.544	4.461	5.042	6.368	120-130	4.041	1325	98.2,98.2
140	10.70	11.11	9.988	8.119	7.109	6.974	7.876	9.733	130-140	5.681	1331	98.7,98.7
150	13.13	13.47	12.99	11.32	10.33	10.21	11.04	12.60	140-150	6.527	1338	99.2,99.2
160	13.71	13.89	14.38	13.82	13.34	13.31	13.84	14.00	150-160	5.959	1344	99.6,99.6
170	13.65	14.08	14.80	15.31	15.02	15.15	15.21	14.67	160-170	4.039	1348	99.9,99.9
180	15.01	15.45	15.57	15.72	15.04	15.45	15.58	15.70	170-180	1.433	1349	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

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:

LUMINANCE LIMITATION CURVES

NAME: TLO020-21	TYPE:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1557	1494
80	1456	1386
75	3227	2680
70	9144	7319
65	19055	15086
60	34141	27869
55	48912	43162
50	61141	57648
45	74257	74502

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

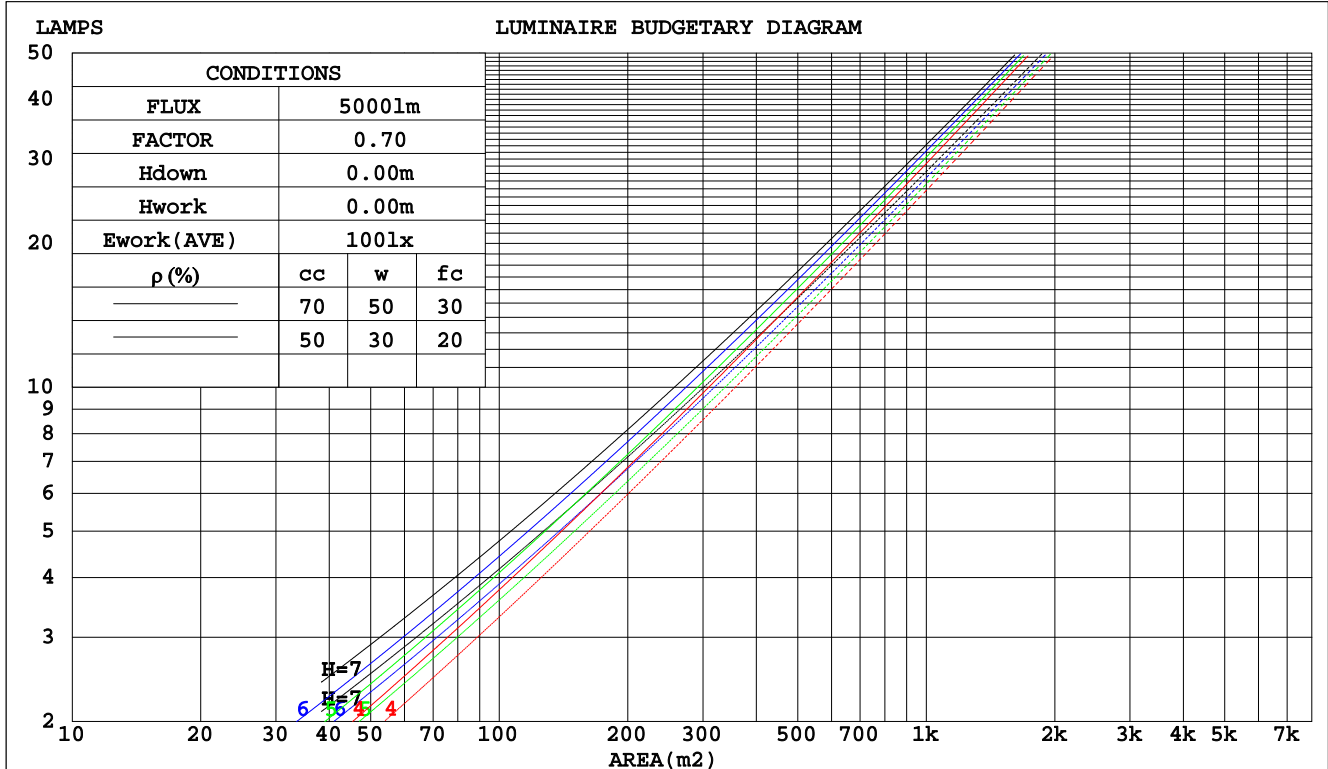
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-AC30 44D 3000K CRI90 NA 20240926(wal

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-21	TYPE:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	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	1.09	1.07	1.04	1.07	1.04	1.02	1.02	1.00	.99	.98	.97	.95	.94	.93	.92	.90
2.0	1.01	.96	.92	.99	.95	.91	.95	.92	.89	.92	.89	.87	.89	.86	.84	.83
3.0	.93	.87	.83	.91	.86	.82	.88	.84	.81	.85	.82	.79	.83	.80	.77	.76
4.0	.86	.80	.75	.85	.79	.75	.82	.77	.73	.80	.76	.72	.78	.74	.71	.70
5.0	.80	.73	.69	.79	.73	.68	.77	.71	.67	.75	.70	.67	.73	.69	.66	.64
6.0	.74	.68	.63	.73	.67	.63	.72	.66	.62	.70	.65	.62	.68	.64	.61	.59
7.0	.69	.63	.58	.69	.63	.58	.67	.62	.58	.66	.61	.57	.64	.60	.57	.55
8.0	.65	.59	.54	.64	.58	.54	.63	.58	.54	.62	.57	.53	.61	.56	.53	.51
9.0	.61	.55	.51	.61	.55	.50	.59	.54	.50	.58	.53	.50	.57	.53	.50	.48
10.0	.58	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.54	.50	.47	.45



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:

WEC AND CCEC

NAME: TLO020-21	TYPE:44D	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	.195	.111	.035	.188	.107	.034	.174	.100	.032	.161	.093	.030	.149	.086	.028		
2.0	.189	.103	.032	.182	.100	.031	.170	.095	.029	.159	.089	.028	.149	.084	.027		
3.0	.180	.096	.029	.174	.093	.028	.164	.089	.027	.154	.085	.026	.145	.081	.025		
4.0	.171	.089	.026	.166	.087	.026	.157	.083	.025	.149	.080	.024	.141	.076	.023		
5.0	.162	.083	.024	.158	.081	.024	.150	.078	.023	.143	.075	.022	.136	.072	.022		
6.0	.154	.077	.022	.150	.076	.022	.143	.073	.021	.137	.071	.021	.130	.069	.020		
7.0	.147	.073	.021	.143	.071	.020	.137	.069	.020	.131	.067	.020	.125	.065	.019		
8.0	.140	.068	.019	.137	.067	.019	.131	.065	.019	.125	.064	.018	.120	.062	.018		
9.0	.133	.064	.018	.130	.064	.018	.125	.062	.018	.120	.060	.017	.116	.059	.017		
10.0	.127	.061	.017	.125	.060	.017	.120	.059	.017	.115	.057	.016	.111	.056	.016		

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	.191	.175	.162	.163	.151	.139	.112	.104	.096	.064	.060	.056	.021	.019	.018	
2.0	.177	.151	.129	.151	.130	.111	.104	.090	.078	.060	.052	.046	.019	.017	.015	
3.0	.166	.132	.105	.142	.114	.091	.097	.079	.064	.056	.046	.038	.018	.015	.012	
4.0	.156	.118	.088	.134	.102	.077	.092	.071	.054	.053	.042	.032	.017	.014	.011	
5.0	.148	.106	.076	.127	.092	.066	.088	.064	.047	.051	.038	.028	.016	.012	.009	
6.0	.141	.097	.066	.121	.084	.058	.083	.059	.041	.048	.035	.024	.016	.011	.008	
7.0	.134	.090	.059	.116	.078	.051	.080	.055	.036	.046	.032	.022	.015	.011	.007	
8.0	.129	.084	.053	.111	.073	.046	.077	.051	.033	.045	.030	.020	.014	.010	.007	
9.0	.124	.079	.049	.106	.068	.043	.074	.048	.030	.043	.028	.018	.014	.009	.006	
10.0	.119	.075	.045	.102	.065	.039	.071	.046	.028	.041	.027	.017	.013	.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 44D 3000K CRI90 NA 20240926(wal

UGR(Unified Glare Rating) Table

NAME: TLO020-21					TYPE:44D			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		22.1	23.2	22.4	23.4	23.6	22.8	23.8	23.0	24.0	24.2
3H		22.1	23.1	22.4	23.3	23.6	22.7	23.7	23.0	23.9	24.2
4H		22.1	22.9	22.4	23.2	23.5	22.6	23.5	22.9	23.8	24.1
6H		22.0	22.8	22.3	23.1	23.4	22.5	23.4	22.9	23.7	24.0
8H		21.9	22.7	22.3	23.0	23.3	22.5	23.3	22.8	23.6	23.9
12H		21.9	22.6	22.2	22.9	23.3	22.4	23.2	22.8	23.5	23.8
4H 2H		22.2	23.0	22.5	23.3	23.6	22.7	23.6	23.0	23.9	24.1
3H		22.2	22.9	22.5	23.2	23.6	22.7	23.4	23.0	23.8	24.1
4H		22.1	22.8	22.5	23.1	23.5	22.6	23.3	23.0	23.6	24.0
6H		22.0	22.6	22.4	23.0	23.4	22.5	23.1	22.9	23.5	23.9
8H		21.9	22.5	22.4	22.9	23.3	22.4	23.0	22.9	23.4	23.8
12H		21.9	22.4	22.3	22.8	23.2	22.4	22.9	22.8	23.3	23.8
8H 4H		21.9	22.5	22.4	22.9	23.3	22.4	23.0	22.9	23.4	23.8
6H		21.8	22.3	22.3	22.7	23.2	22.3	22.8	22.8	23.2	23.7
8H		21.8	22.2	22.3	22.6	23.1	22.3	22.7	22.8	23.2	23.6
12H		21.7	22.1	22.2	22.5	23.1	22.2	22.6	22.7	23.1	23.6
12H 4H		21.9	22.4	22.3	22.8	23.2	22.4	22.9	22.8	23.3	23.8
6H		21.8	22.2	22.3	22.6	23.1	22.3	22.7	22.8	23.2	23.6
8H		21.7	22.1	22.2	22.5	23.1	22.2	22.6	22.7	23.1	23.6
Variations with the observer position at spacings:											
S = 1.0H		+ 1.3 / - 1.7					+ 1.2 / - 2.4				
1.5H		+ 1.2 / - 1.3					+ 1.1 / - 1.3				
2.0H		+ 2.6 / - 4.7					+ 2.7 / - 3.8				

CIE Pub.117, 1349 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.0$)

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 44D 3000K CRI90 NA 20240926(wal

UTILIZATION FACTORS TABLE

NAME: TLO020-21	TYPE:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

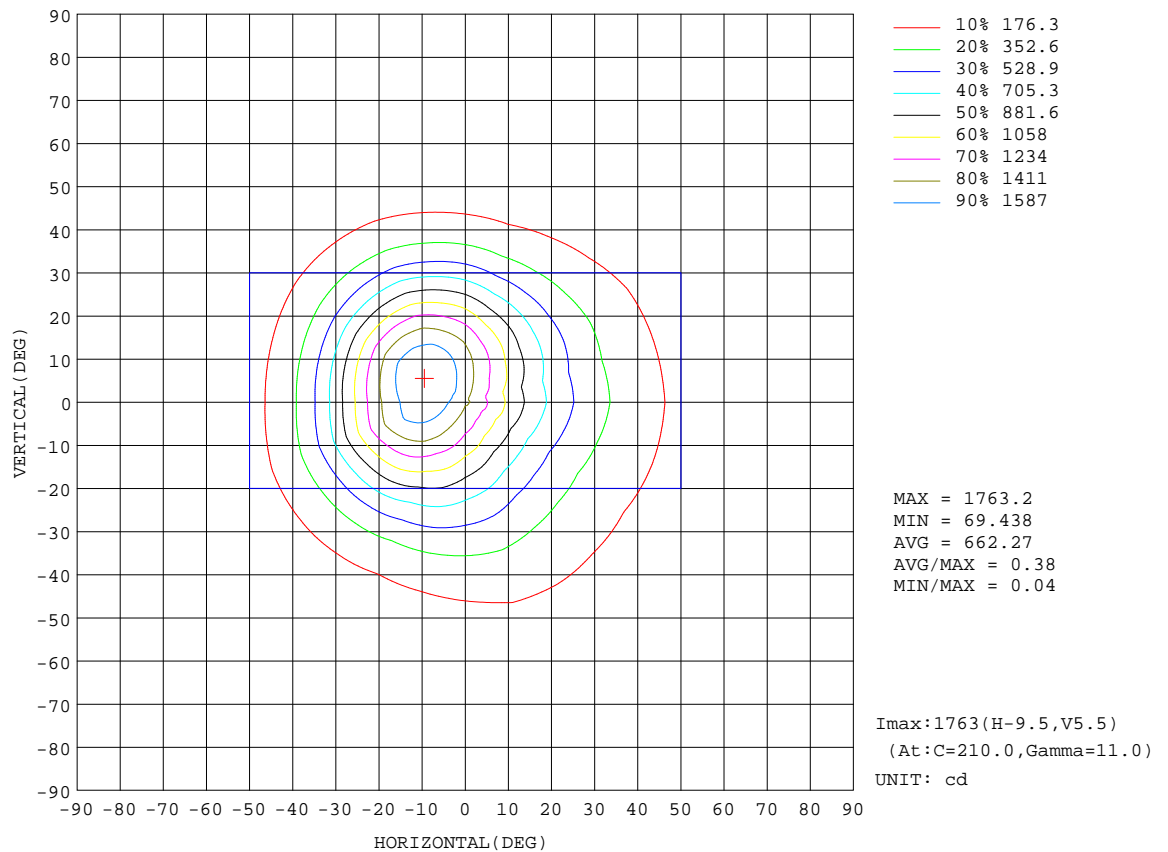
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	79	71	66	78	71	66	77	70	66	61
0.80	87	80	75	86	79	75	85	79	74	70
1.00	93	86	82	92	86	81	90	86	81	76
1.25	98	92	87	97	91	87	94	90	86	81
1.50	101	96	92	100	95	91	97	93	90	84
2.00	105	100	96	104	99	95	100	97	94	87
2.50	107	103	99	105	101	98	102	99	96	89
3.00	109	105	102	107	104	101	103	101	98	91
4.00	112	108	106	109	106	104	105	103	101	93
5.00	113	110	108	111	108	106	106	104	103	94
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:2024-09-26

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:

ISOCANDELA DIAGRAM

NAME: TLO020-21	TYPE:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:



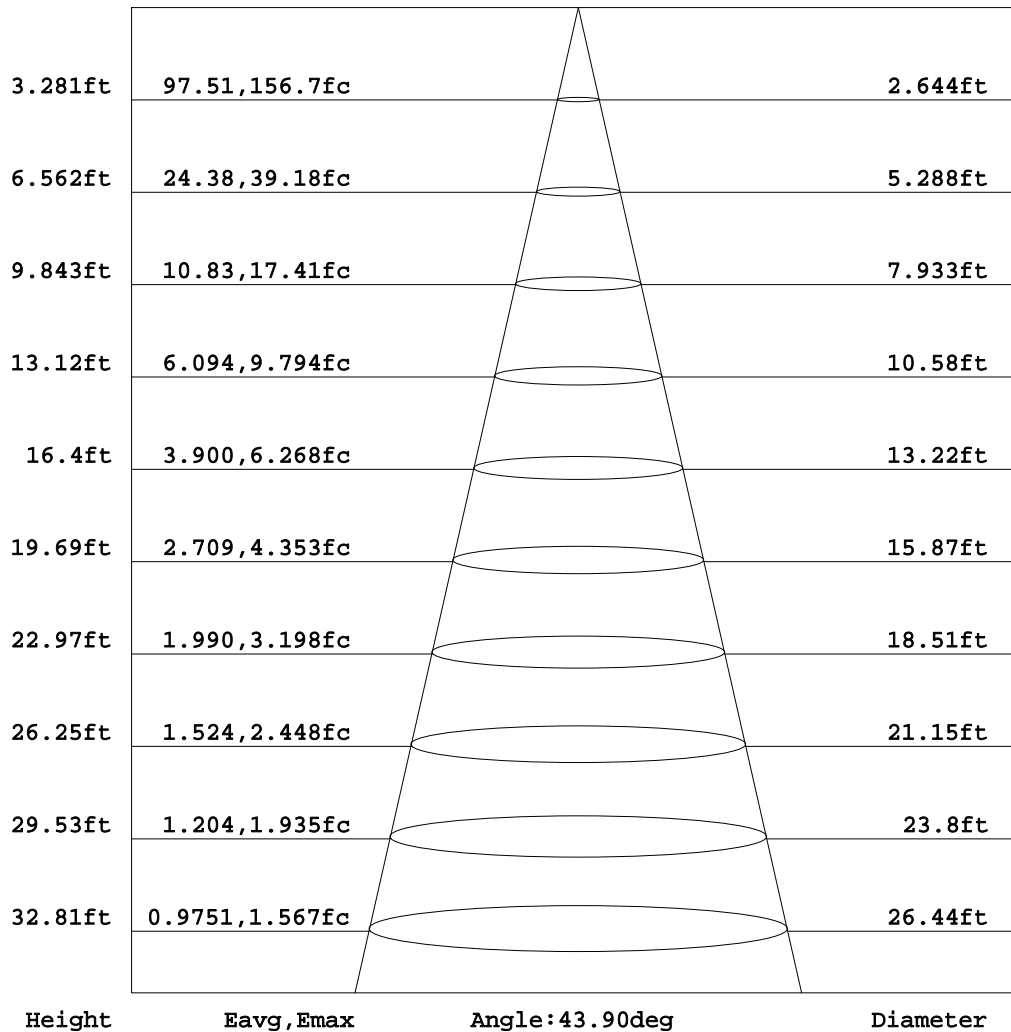
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-26

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:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

Flux out:538.3 lm



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

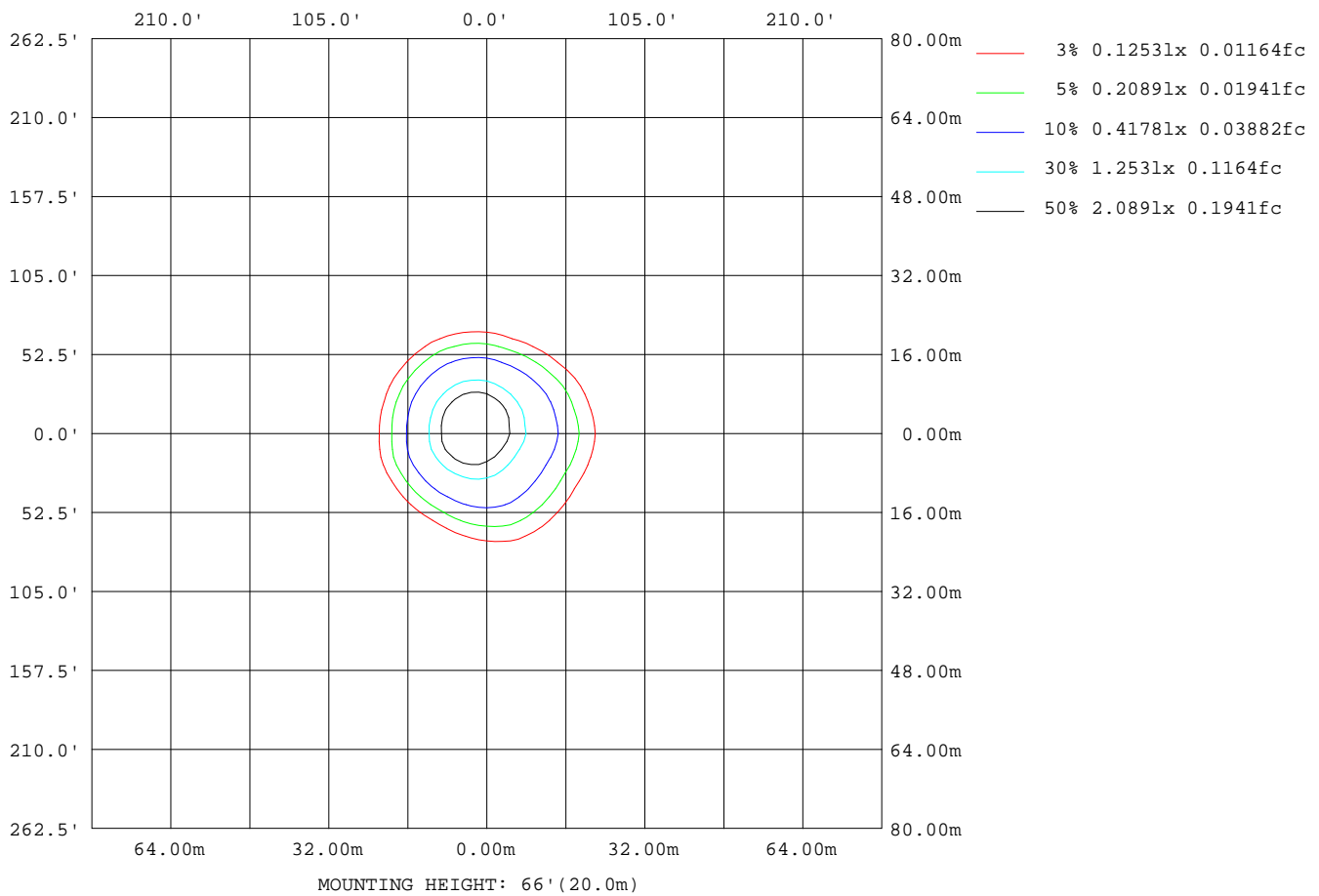
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-26

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 44D 3000K CRI90 NA 20240926(wal

ISOLUX DIAGRAM

NAME: TLO020-21	TYPE:44D	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:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

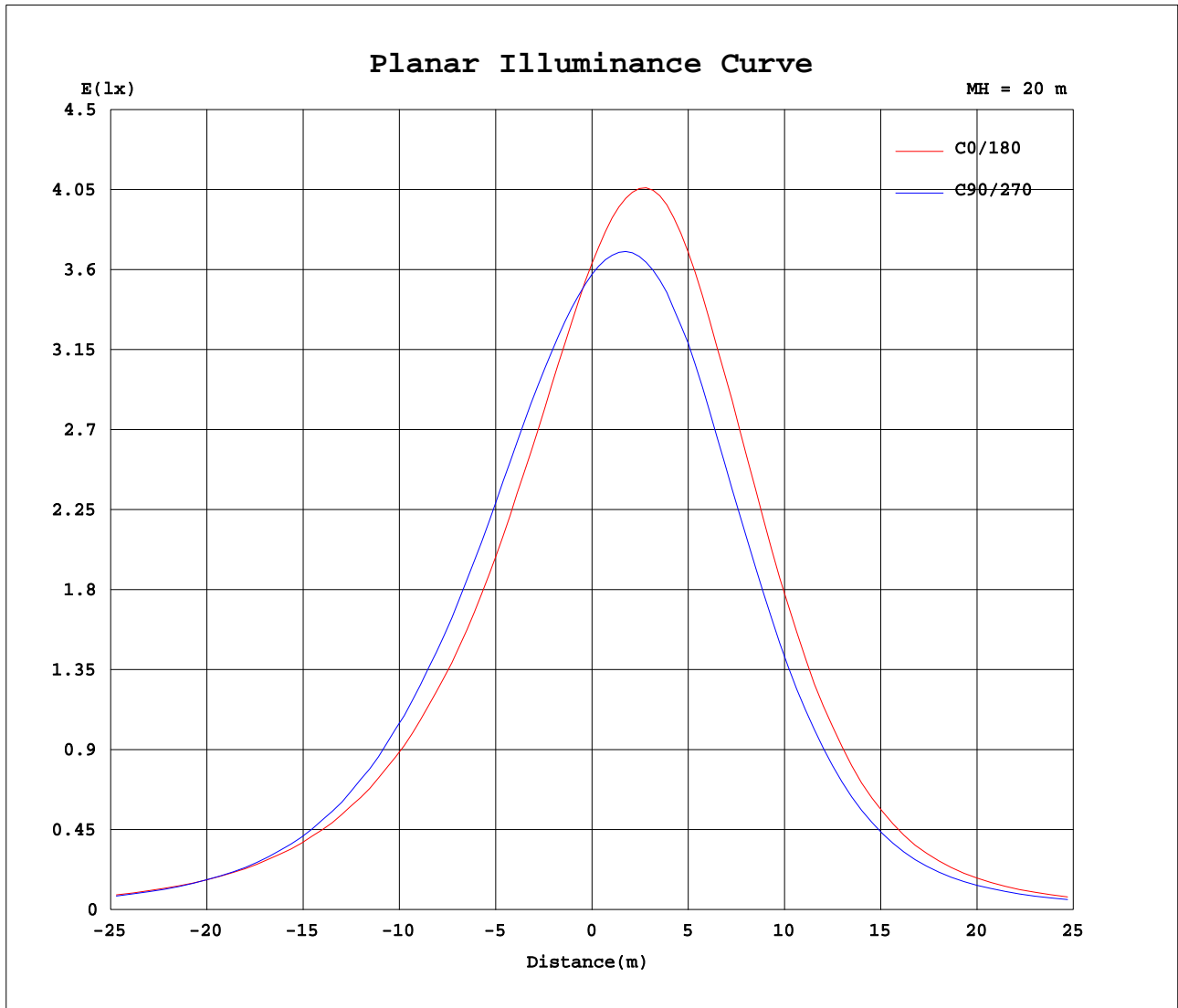
AvgL	cd/m2
L_0~180(65)av	16288
L_0~180(75)av	3141
L_0~180(85)av	1480
L_90~270(65)av	14231
L_90~270(75)av	2953
L_90~270(85)av	1512
L_45(65)av	14343
L_45(75)av	3036
L_45(85)av	1450

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

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 44D 3000K CRI90 NA 20240926(wal

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:44D	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	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
5	1230	1219	1201	1210	1228	1274	1315	1372	1428	1497	1545	1603	1603	1618	1650	1637	1607	1557	1509
10	1019	999	973	987	1013	1088	1156	1258	1352	1476	1562	1669	1666	1699	1760	1734	1675	1584	1494
15	827	798	768	781	815	897	975	1092	1196	1348	1455	1590	1576	1623	1700	1665	1600	1480	1373
20	663	626	599	613	654	728	797	902	991	1141	1246	1392	1368	1414	1496	1452	1394	1264	1149
25	528	492	463	478	513	583	637	708	768	889	978	1108	1079	1120	1190	1153	1103	988	888
30	416	383	360	373	404	458	491	528	559	642	706	805	775	807	856	829	794	704	629
35	324	296	281	288	316	356	370	375	380	431	471	541	514	533	561	545	523	461	410
40	251	228	214	223	247	270	268	257	250	276	300	342	320	330	346	336	321	285	252
45	188	175	164	171	190	204	192	174	163	174	188	211	199	203	209	202	195	175	156
50	141	131	122	129	143	151	135	117	106	112	120	134	126	126	131	126	122	110	99.8
55	101	93.2	85.5	90.5	101	107	90.3	77.2	68.0	71.6	74.9	82.5	77.0	77.1	80.4	78.0	76.3	69.6	64.1
60	61.2	56.1	48.8	53.7	60.6	63.7	50.8	43.7	38.6	40.9	41.6	45.1	41.7	42.0	45.1	43.6	42.8	39.3	37.6
65	28.9	26.9	22.9	25.1	27.8	29.8	23.3	21.0	19.4	21.1	21.0	22.6	21.0	21.1	23.1	22.3	22.1	20.6	20.3
70	11.2	10.6	9.08	9.62	10.3	11.2	9.13	9.04	8.75	9.84	9.67	10.6	9.65	9.62	10.7	10.4	10.4	9.75	9.64
75	2.99	2.99	2.51	2.67	2.61	2.97	2.53	2.82	2.73	3.20	3.08	3.50	2.89	2.79	3.25	3.21	3.31	3.08	3.00
80	0.91	0.91	0.87	0.87	0.86	0.89	0.88	0.90	0.90	0.93	0.93	0.96	0.86	0.85	0.89	0.89	0.92	0.94	0.93
85	0.49	0.48	0.47	0.47	0.46	0.47	0.47	0.48	0.49	0.51	0.53	0.55	0.45	0.45	0.46	0.47	0.49	0.50	0.48
90	0.44	0.44	0.45	0.45	0.45	0.44	0.41	0.42	0.40	0.43	0.44	0.47	0.42	0.40	0.40	0.39	0.42	0.41	0.41
95	0.59	0.61	0.62	0.63	0.60	0.60	0.56	0.55	0.55	0.59	0.60	0.64	0.60	0.57	0.57	0.56	0.60	0.59	0.58
100	0.85	0.87	0.90	0.89	0.86	0.83	0.78	0.76	0.75	0.80	0.83	0.87	0.83	0.81	0.80	0.80	0.84	0.84	0.83
105	1.27	1.30	1.36	1.32	1.29	1.20	1.14	1.06	1.06	1.10	1.15	1.19	1.15	1.13	1.12	1.12	1.16	1.18	1.16
110	1.91	1.94	2.06	1.98	1.93	1.78	1.68	1.54	1.53	1.54	1.57	1.60	1.57	1.54	1.52	1.54	1.58	1.63	1.61
115	2.83	2.88	3.06	2.94	2.87	2.64	2.48	2.24	2.18	2.13	2.13	2.13	2.09	2.06	2.03	2.06	2.10	2.18	2.21
120	4.05	4.15	4.39	4.25	4.12	3.79	3.56	3.19	3.06	2.92	2.85	2.79	2.75	2.70	2.68	2.70	2.75	2.89	2.97
125	5.54	5.69	5.99	5.83	5.63	5.24	4.91	4.44	4.18	3.92	3.74	3.61	3.56	3.50	3.46	3.50	3.55	3.74	3.90
130	7.24	7.42	7.77	7.61	7.37	6.90	6.46	5.92	5.50	5.13	4.83	4.62	4.54	4.48	4.42	4.46	4.53	4.79	5.04
135	9.02	9.20	9.57	9.42	9.16	8.67	8.22	7.57	7.05	6.57	6.11	5.83	5.73	5.61	5.58	5.61	5.71	6.02	6.39
140	10.7	10.8	11.3	11.1	10.9	10.4	9.99	9.29	8.71	8.12	7.57	7.25	7.11	6.97	6.94	6.97	7.11	7.45	7.88
145	12.1	12.2	12.6	12.5	12.4	12.0	11.6	10.9	10.3	9.74	9.15	8.84	8.66	8.51	8.48	8.51	8.65	9.01	9.45
150	13.1	13.2	13.5	13.5	13.4	13.2	13.0	12.4	11.9	11.3	10.8	10.5	10.3	10.2	10.2	10.2	10.3	10.7	11.0
155	13.6	13.6	13.9	13.9	14.0	13.9	13.9	13.5	13.1	12.7	12.3	12.2	12.0	11.8	11.8	11.9	12.0	12.3	12.6
160	13.7	13.6	13.9	13.9	14.1	14.3	14.4	14.2	14.0	13.8	13.6	13.6	13.3	13.2	13.3	13.3	13.5	13.6	13.8
165	13.6	13.5	13.7	13.9	14.1	14.3	14.6	14.6	14.6	14.7	14.5	14.6	14.4	14.3	14.5	14.4	14.6	14.6	14.7
170	13.7	13.6	13.9	14.1	14.4	14.5	14.8	15.0	15.1	15.3	15.2	15.3	15.0	15.1	15.3	15.2	15.2	15.1	15.2
175	14.2	14.2	14.6	14.7	14.8	14.9	15.1	15.3	15.4	15.7	15.5	15.6	15.2	15.3	15.7	15.6	15.5	15.4	15.5
180	15.0	15.1	15.4	15.5	15.4	15.4	15.6	15.6	15.6	15.7	15.4	15.4	15.0	15.1	15.4	15.4	15.5	15.4	15.6

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 44D 3000K CRI90 NA 20240926(wal

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:44D	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	1440	1440	1440	1440	1440														
5	1442	1387	1328	1282	1232														
10	1374	1276	1178	1099	1021														
15	1216	1109	999	911	828														
20	995	897	806	729	663														
25	756	681	622	574	529														
30	532	485	461	440	415														
35	347	328	326	329	319														
40	217	214	224	239	243														
45	138	141	152	172	182														
50	91.0	93.1	103	122	134														
55	59.4	61.5	68.0	83.6	94.3														
60	35.2	36.2	38.9	48.3	54.9														
65	18.9	19.0	19.2	23.0	25.5														
70	8.77	8.72	8.28	9.16	9.75														
75	2.59	2.54	2.29	2.40	2.35														
80	0.89	0.86	0.84	0.82	0.80														
85	0.43	0.42	0.38	0.38	0.37														
90	0.37	0.37	0.36	0.38	0.38														
95	0.53	0.52	0.52	0.54	0.55														
100	0.76	0.74	0.75	0.77	0.81														
105	1.11	1.07	1.11	1.14	1.23														
110	1.60	1.57	1.66	1.71	1.86														
115	2.26	2.27	2.44	2.53	2.76														
120	3.12	3.20	3.49	3.64	3.96														
125	4.20	4.41	4.82	5.06	5.44														
130	5.49	5.84	6.37	6.68	7.17														
135	6.93	7.43	8.04	8.42	8.93														
140	8.50	9.07	9.73	10.1	10.6														
145	10.1	10.6	11.3	11.6	12.1														
150	11.6	12.1	12.6	12.7	13.1														
155	13.0	13.2	13.5	13.4	13.7														
160	14.0	14.0	14.0	13.8	13.9														
165	14.7	14.5	14.3	13.9	13.9														
170	15.1	14.9	14.7	14.3	14.1														
175	15.4	15.4	15.2	14.8	14.7														
180	15.6	15.6	15.7	15.4	15.4														

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: