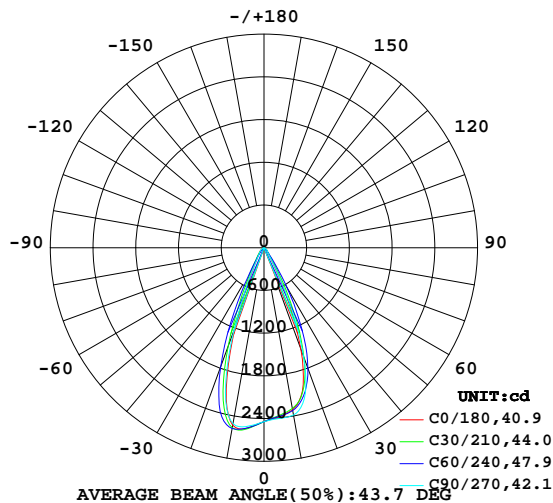


LUMINAIRE PHOTOMETRIC TEST REPORT

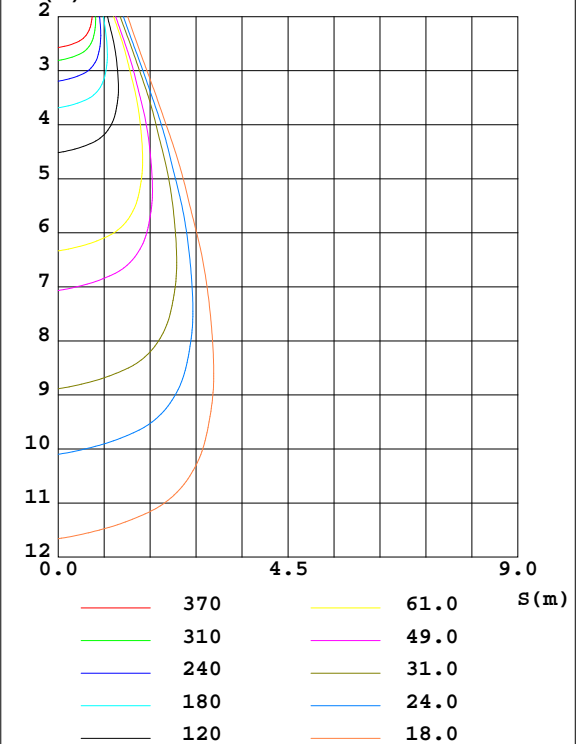
NAME: TLO020-21	TYPE:44D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.90 lm/W			
MODEL		Imax(cd)	2587	S/MH(C0/180)	0.59
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1479.0	η UP,DN(C0-180)	1.2,51.0
NOMINAL FLUX(lm)	1479.04	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,46.5
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	1.00

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:

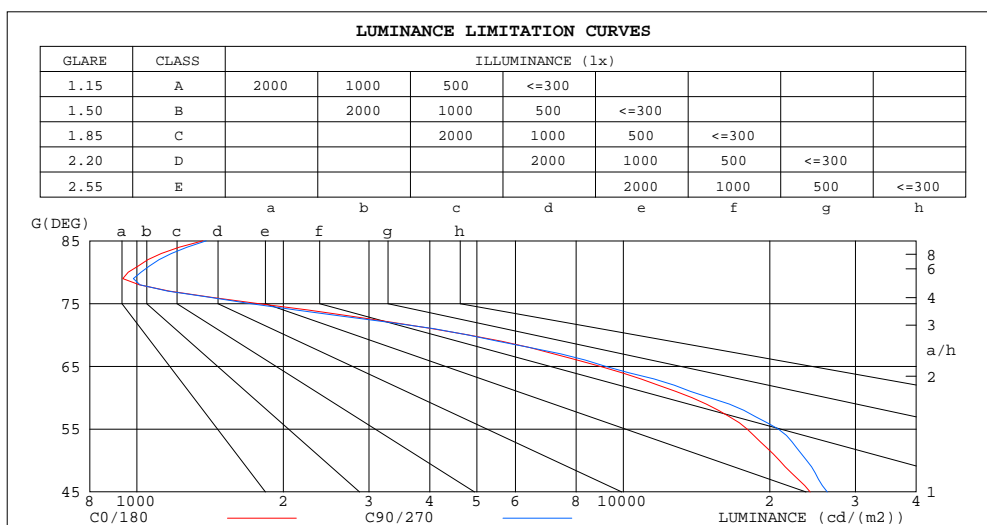
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2309	2302	2386	2496	2531	2580	2510	2396	0- 10	234.4	234.4	15.8,15.8
20	1512	1818	1631	1986	1177	1754	1240	1608	10- 20	587.1	821.6	55.5,55.5
30	253.0	730.5	268.3	665.4	233.5	392.6	230.2	425.3	20- 30	405.2	1227	82.9,82.9
40	79.25	105.0	83.64	81.77	112.5	72.59	107.4	91.21	30- 40	116.7	1343	90.8,90.8
50	48.64	31.50	55.48	31.01	68.21	32.66	64.61	32.68	40- 50	53.17	1397	94.4,94.4
60	25.02	15.39	27.26	16.44	29.58	17.13	29.32	14.74	50- 60	31.50	1428	96.6,96.6
70	5.936	4.432	5.933	5.768	4.927	6.010	5.622	4.417	60- 70	12.50	1441	97.4,97.4
80	0.6026	0.5755	0.6417	0.6232	0.5290	0.5278	0.5193	0.4955	70- 80	2.272	1443	97.6,97.6
90	0.3924	0.3751	0.3913	0.3671	0.3310	0.2757	0.3385	0.2851	80- 90	0.4406	1443	97.6,97.6
100	0.5886	0.5341	0.5879	0.5197	0.4810	0.4388	0.4999	0.4488	90-100	0.4598	1444	97.6,97.6
110	0.9324	0.8940	0.8995	0.8783	0.7460	0.8773	0.7790	0.8903	100-110	0.6896	1444	97.7,97.7
120	2.082	2.201	2.043	2.171	2.036	2.389	2.201	2.417	110-120	1.361	1446	97.8,97.8
130	5.793	5.451	5.671	5.359	5.683	5.692	6.028	5.806	120-130	3.337	1449	98,98
140	10.97	10.44	10.71	10.36	10.75	10.75	11.13	10.85	130-140	6.233	1455	98.4,98.4
150	16.20	15.82	16.01	15.91	16.29	16.37	16.39	16.09	140-150	8.411	1464	99,99
160	19.01	18.67	19.27	18.97	19.25	18.98	19.16	18.41	150-160	8.252	1472	99.5,99.5
170	17.63	17.93	18.15	18.44	18.25	18.06	17.72	17.33	160-170	5.291	1477	99.9,99.9
180	17.78	17.87	17.79	17.76	17.79	17.87	17.79	17.76	170-180	1.688	1479	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
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	1366	1388
80	960	1020
75	1773	1709
70	4802	4787
65	8952	9190
60	13845	15043
55	17963	20821
50	20934	23815
45	24218	26255

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

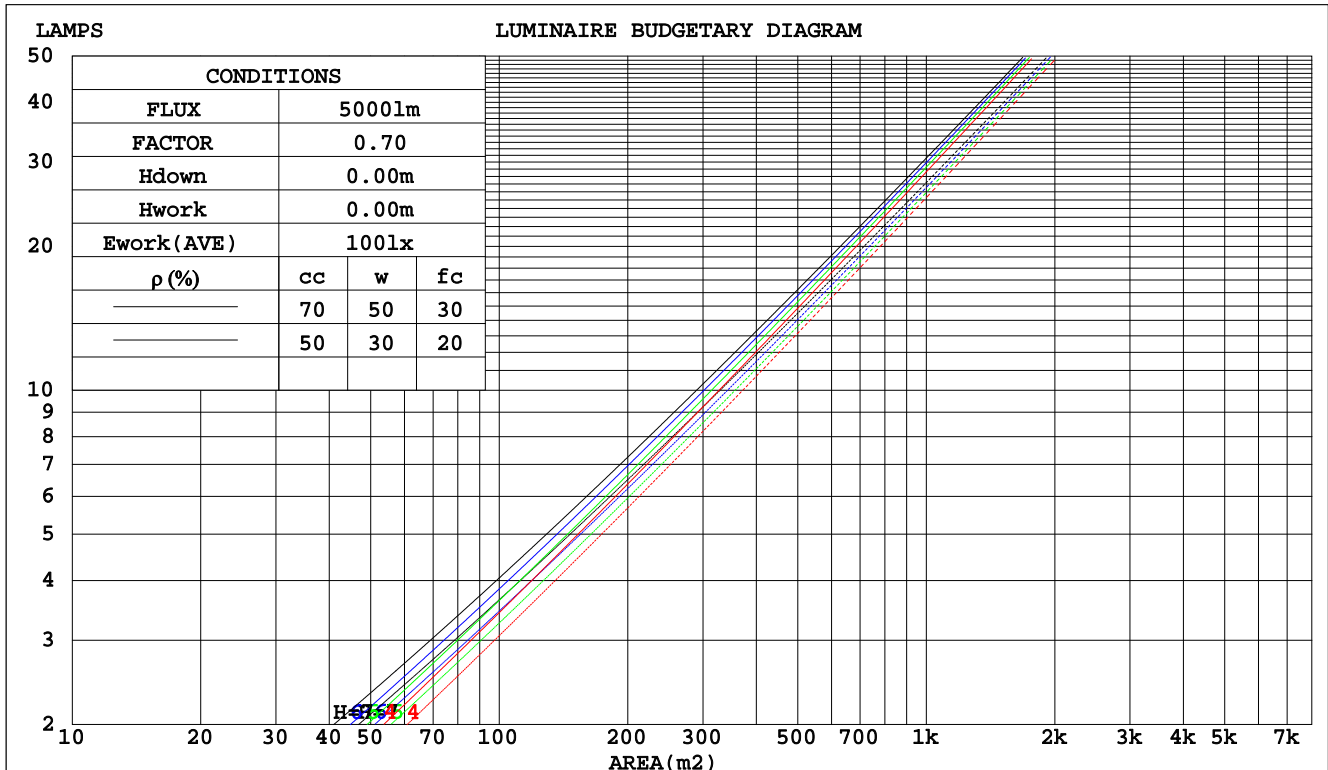
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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						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	1.01	.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	.89	.96	.92	.89	.93	.90	.87	.90	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.83	.88	.85	.81	.86	.83	.80	.84	.81	.79	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.77	.75	.74
6.0	.83	.77	.74	.82	.77	.73	.80	.76	.72	.79	.75	.72	.77	.74	.71	.70
7.0	.79	.73	.70	.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	.66	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.68	.64	.62	.60
10.0	.69	.63	.60	.68	.63	.60	.67	.63	.60	.66	.62	.59	.65	.62	.59	.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 44D 3000K CRI90 NA 20240926(Squ

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	.167	.095	.030	.159	.091	.029	.146	.084	.027	.133	.077	.025	.121	.070	.023		
2.0	.158	.087	.027	.152	.084	.026	.140	.078	.024	.129	.072	.023	.119	.067	.021		
3.0	.149	.079	.024	.144	.077	.023	.134	.073	.022	.125	.068	.021	.116	.064	.020		
4.0	.141	.073	.022	.137	.071	.021	.128	.068	.020	.120	.064	.019	.112	.061	.019		
5.0	.134	.068	.020	.130	.067	.019	.122	.064	.019	.115	.061	.018	.108	.058	.017		
6.0	.127	.064	.018	.124	.062	.018	.117	.060	.017	.111	.057	.017	.105	.055	.016		
7.0	.121	.060	.017	.118	.059	.017	.112	.057	.016	.106	.055	.016	.101	.053	.015		
8.0	.116	.057	.016	.113	.056	.016	.108	.054	.015	.102	.052	.015	.098	.050	.015		
9.0	.111	.054	.015	.108	.053	.015	.103	.051	.014	.099	.050	.014	.094	.048	.014		
10.0	.106	.051	.014	.104	.050	.014	.099	.049	.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	.173	.151	.133	.148	.130	.115	.102	.090	.080	.059	.052	.047	.019	.017	.015	
3.0	.160	.132	.110	.137	.114	.095	.094	.079	.067	.054	.046	.039	.017	.015	.013	
4.0	.149	.117	.093	.128	.101	.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	.071	.113	.083	.061	.078	.058	.043	.045	.034	.026	.015	.011	.009	
7.0	.125	.088	.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: 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(Squ

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		15.2	16.0	15.4	16.2	16.4	15.6	16.5	15.9	16.7	16.9
3H		15.3	16.1	15.6	16.3	16.5	15.7	16.5	16.0	16.7	17.0
4H		15.2	16.0	15.5	16.2	16.5	15.7	16.4	16.0	16.7	16.9
6H		15.1	15.8	15.5	16.1	16.4	15.6	16.3	15.9	16.5	16.8
8H		15.1	15.8	15.4	16.0	16.3	15.5	16.2	15.9	16.5	16.8
12H		15.0	15.7	15.4	16.0	16.3	15.5	16.1	15.8	16.4	16.7
4H 2H		15.1	15.8	15.4	16.1	16.3	15.6	16.3	15.9	16.6	16.8
3H		15.2	15.9	15.6	16.2	16.5	15.7	16.3	16.0	16.6	16.9
4H		15.2	15.7	15.5	16.1	16.4	15.6	16.2	16.0	16.5	16.9
6H		15.1	15.6	15.5	15.9	16.3	15.5	16.0	15.9	16.4	16.8
8H		15.0	15.5	15.4	15.9	16.3	15.4	15.9	15.9	16.3	16.7
12H		15.0	15.4	15.4	15.8	16.2	15.4	15.8	15.8	16.2	16.7
8H 4H		15.0	15.5	15.4	15.9	16.3	15.4	15.9	15.9	16.3	16.7
6H		14.9	15.3	15.4	15.7	16.2	15.3	15.7	15.8	16.2	16.6
8H		14.9	15.2	15.3	15.7	16.1	15.3	15.6	15.8	16.1	16.6
12H		14.8	15.1	15.3	15.6	16.1	15.2	15.5	15.7	16.0	16.5
12H 4H		15.0	15.4	15.4	15.8	16.2	15.4	15.8	15.8	16.2	16.7
6H		14.9	15.2	15.3	15.6	16.1	15.3	15.6	15.8	16.1	16.6
8H		14.8	15.1	15.3	15.6	16.1	15.2	15.5	15.7	16.0	16.5
Variations with the observer position at spacings:											
S = 1.0H		+ 1.2 / - 1.5					+ 1.2 / - 1.5				
1.5H		+ 0.7 / - 1.9					+ 1.7 / - 2.8				
2.0H		+ 1.8 / - 3.8					+ 2.7 / - 4.8				

CIE Pub.117, 1479 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:

UTILIZATION FACTORS TABLE

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

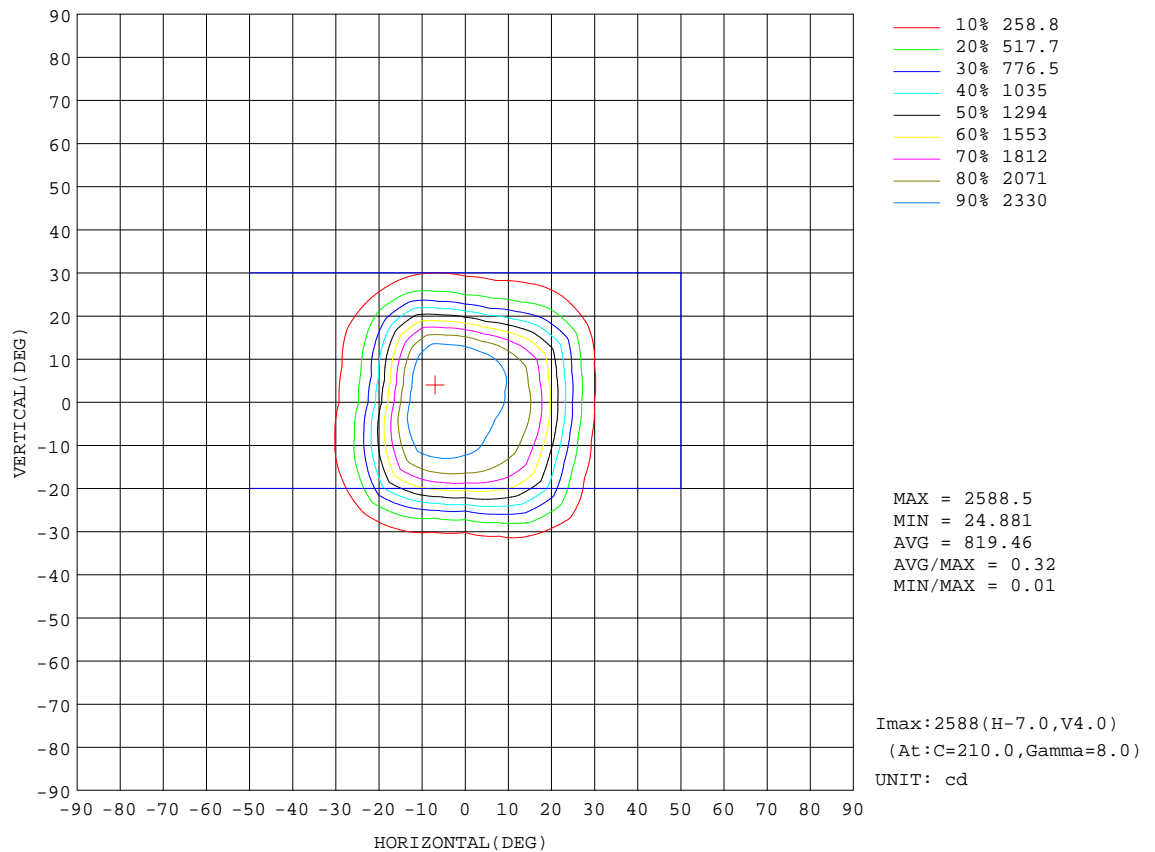
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	92	87	83	91	86	83	79
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

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:

ISOCANDELA DIAGRAM

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



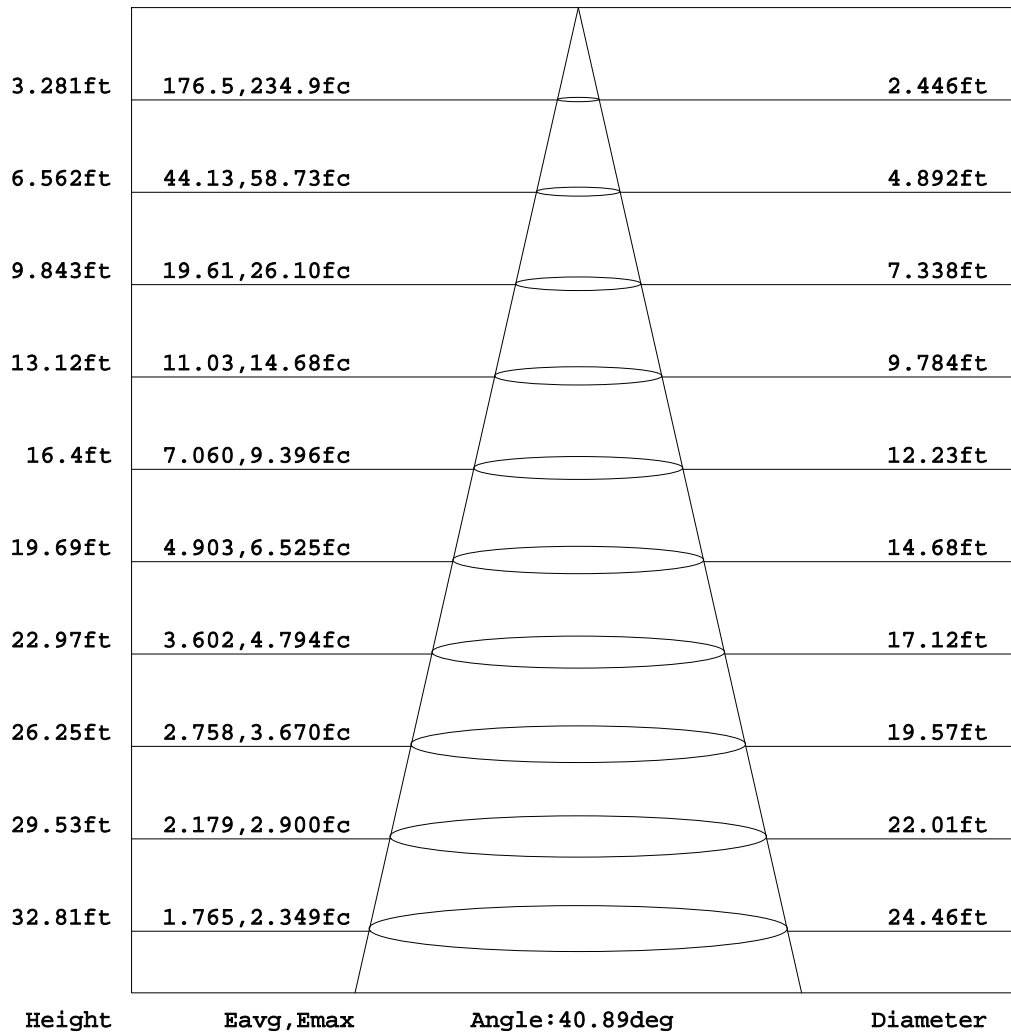
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-26

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:879.5 lm



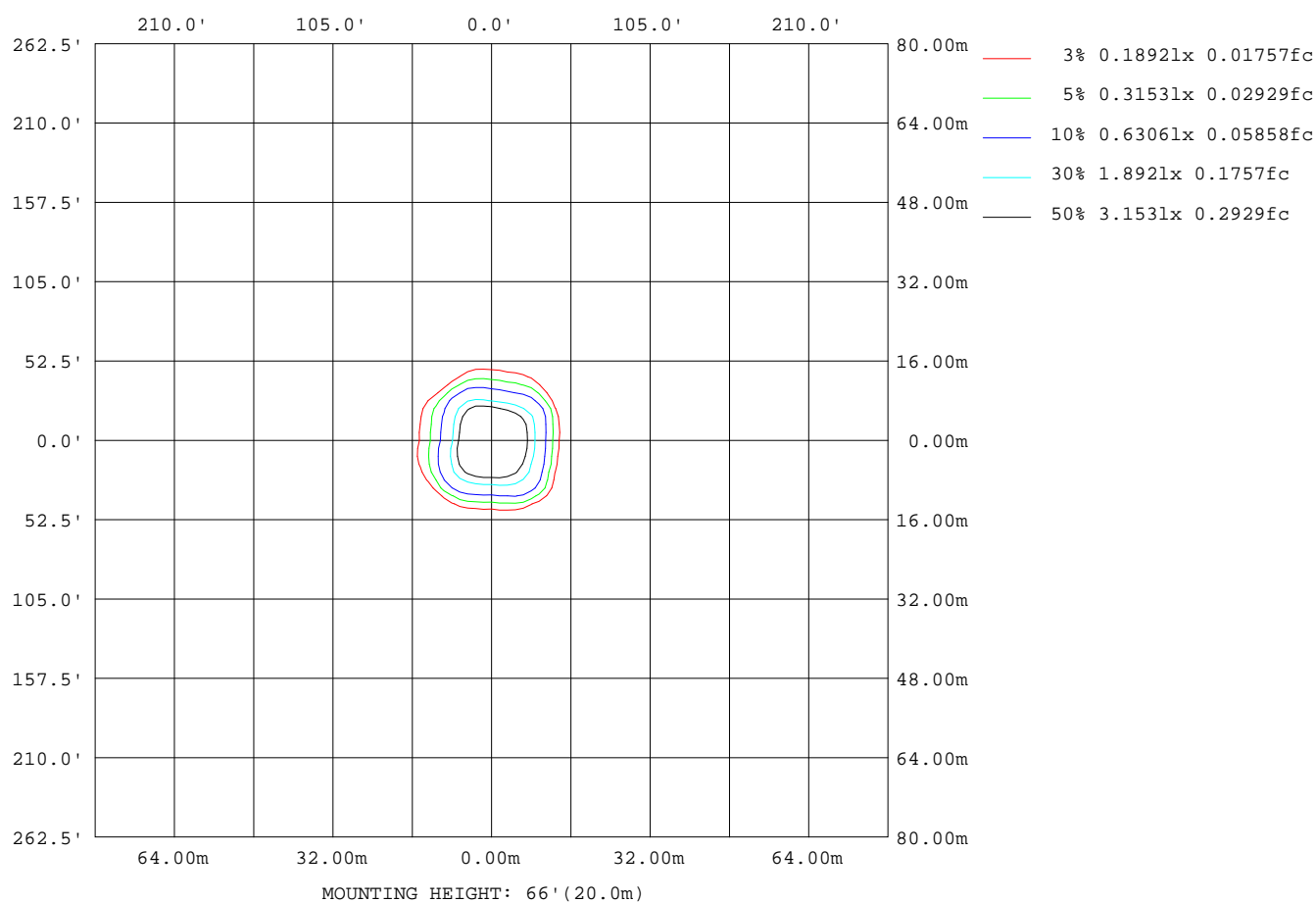
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:

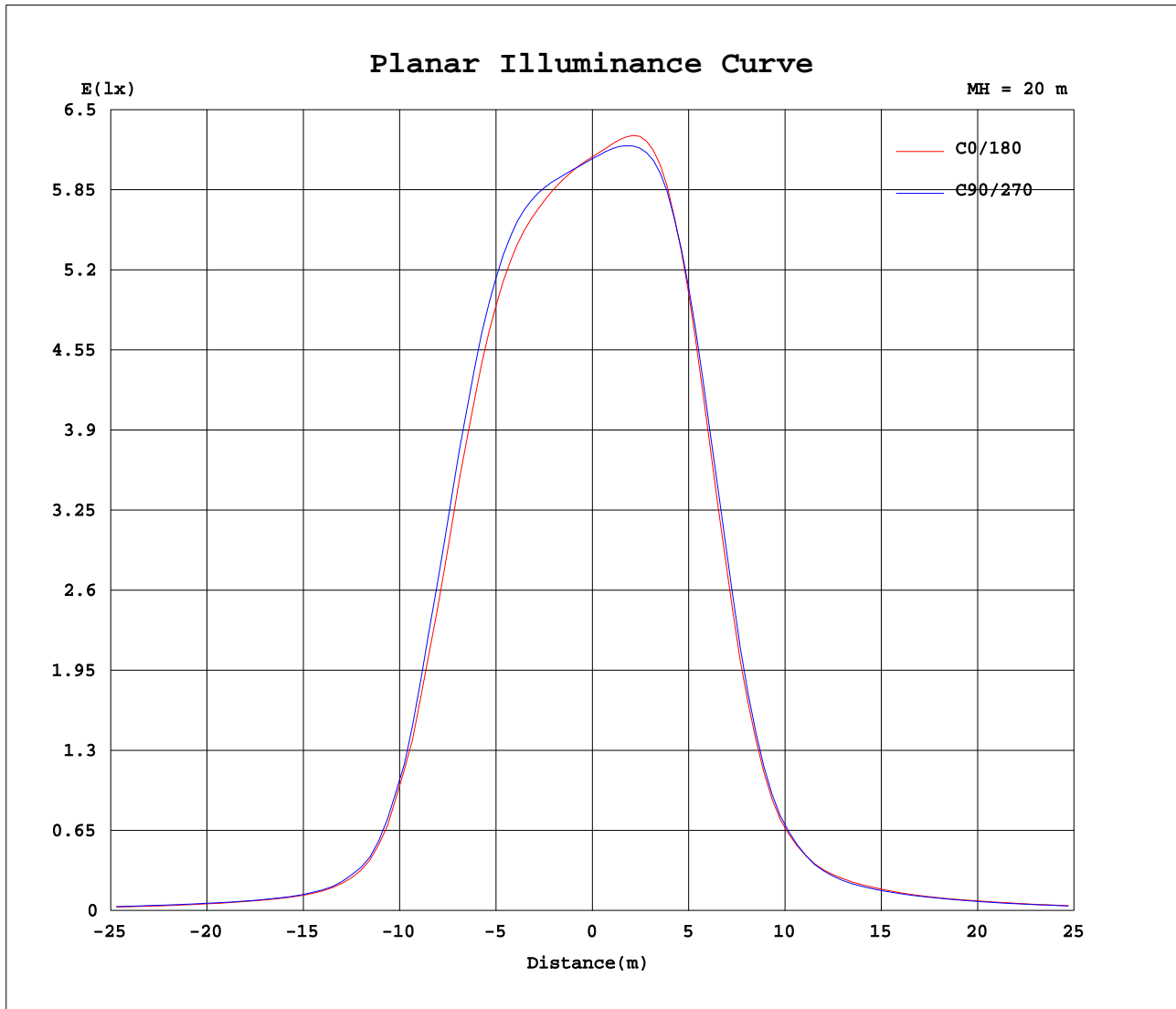
AvgL	cd/m2
L_0~180(65)av	8961
L_0~180(75)av	1704
L_0~180(85)av	1251
L_90~270(65)av	9390
L_90~270(75)av	1794
L_90~270(85)av	1251
L_45(65)av	6453
L_45(75)av	1894
L_45(85)av	1167

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(Squ

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	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444
5	2383	2371	2366	2370	2380	2391	2408	2424	2446	2468	2495	2515	2536	2547	2548	2544	2537	2528	2514
10	2309	2297	2292	2302	2322	2355	2386	2415	2451	2496	2528	2548	2531	2532	2566	2580	2577	2537	2510
15	2084	2087	2101	2146	2153	2178	2193	2250	2315	2377	2313	2228	2056	2048	2215	2348	2380	2203	2098
20	1512	1540	1642	1818	1806	1717	1631	1716	1868	1986	1747	1474	1177	1182	1477	1754	1787	1448	1240
25	747	806	983	1309	1256	1026	810	911	1145	1353	1010	694	487	523	718	975	988	656	508
30	253	277	410	731	651	391	268	317	499	665	443	308	234	247	330	393	374	290	230
35	116	119	166	291	224	153	123	139	183	219	201	182	152	161	185	148	153	161	143
40	79.3	77.6	91.7	105	96.0	94.0	83.6	89.5	103	81.8	115	128	113	116	122	72.6	74.7	110	107
45	61.9	61.9	66.9	51.0	54.8	71.5	67.3	70.4	69.7	45.5	70.3	89.3	88.6	85.0	81.4	45.2	47.6	80.7	84.2
50	48.6	49.6	50.9	31.5	36.1	55.1	55.5	56.0	47.4	31.0	41.7	66.2	68.2	64.0	53.9	32.7	34.4	59.1	64.6
55	37.2	37.7	35.2	22.5	23.7	40.7	43.3	42.4	30.7	23.4	26.6	48.7	48.4	46.3	34.0	24.1	25.6	41.4	46.8
60	25.0	25.0	20.4	15.4	15.1	25.8	27.3	27.8	18.2	16.4	17.2	31.2	29.6	28.4	19.7	17.1	18.1	25.3	29.3
65	13.7	13.9	10.0	9.13	9.08	13.7	14.1	15.1	10.2	10.3	10.0	16.4	13.7	14.3	10.9	11.2	11.3	13.6	14.7
70	5.94	6.38	4.18	4.43	4.41	6.38	5.93	7.14	5.05	5.77	5.00	7.39	4.93	5.60	5.33	6.01	5.91	6.21	5.62
75	1.66	1.81	1.37	1.46	1.41	1.88	1.60	2.10	1.83	2.19	1.88	2.21	1.53	1.63	1.79	2.08	2.07	1.74	1.76
80	0.60	0.59	0.59	0.58	0.60	0.61	0.64	0.63	0.64	0.62	0.63	0.64	0.53	0.54	0.51	0.53	0.52	0.54	0.52
85	0.43	0.41	0.40	0.38	0.39	0.41	0.44	0.44	0.44	0.44	0.44	0.44	0.36	0.37	0.35	0.36	0.34	0.37	0.35
90	0.39	0.41	0.37	0.38	0.36	0.40	0.39	0.40	0.37	0.37	0.35	0.38	0.33	0.31	0.31	0.28	0.30	0.30	0.34
95	0.49	0.49	0.45	0.44	0.44	0.47	0.48	0.49	0.45	0.43	0.41	0.44	0.40	0.37	0.38	0.34	0.37	0.38	0.41
100	0.59	0.60	0.55	0.53	0.52	0.57	0.59	0.59	0.55	0.52	0.49	0.51	0.48	0.46	0.46	0.44	0.46	0.46	0.50
105	0.73	0.73	0.69	0.67	0.65	0.69	0.71	0.72	0.67	0.65	0.62	0.61	0.59	0.57	0.58	0.58	0.59	0.57	0.61
110	0.93	0.93	0.90	0.89	0.89	0.88	0.90	0.90	0.88	0.88	0.85	0.80	0.75	0.76	0.81	0.88	0.86	0.80	0.78
115	1.30	1.27	1.33	1.35	1.38	1.28	1.25	1.24	1.30	1.34	1.35	1.26	1.13	1.20	1.31	1.44	1.40	1.32	1.19
120	2.08	2.01	2.19	2.20	2.27	2.09	2.04	1.98	2.14	2.17	2.24	2.15	2.04	2.17	2.23	2.39	2.33	2.33	2.20
125	3.59	3.46	3.59	3.57	3.64	3.53	3.53	3.43	3.55	3.52	3.58	3.59	3.61	3.75	3.70	3.79	3.78	3.87	3.87
130	5.79	5.58	5.56	5.45	5.57	5.49	5.67	5.52	5.52	5.36	5.45	5.53	5.68	5.83	5.66	5.69	5.69	5.94	6.03
135	8.35	8.10	8.03	7.78	7.89	7.87	8.13	7.97	7.92	7.68	7.75	7.88	8.10	8.23	8.05	8.02	8.08	8.41	8.49
140	11.0	10.8	10.7	10.4	10.5	10.5	10.7	10.6	10.6	10.4	10.4	10.5	10.7	10.9	10.8	10.8	10.8	11.1	11.1
145	13.7	13.5	13.5	13.2	13.3	13.2	13.4	13.3	13.3	13.2	13.3	13.4	13.5	13.7	13.6	13.6	13.7	13.9	13.9
150	16.2	16.0	16.0	15.8	16.0	15.9	16.0	15.9	16.0	15.9	16.1	16.2	16.3	16.4	16.3	16.4	16.4	16.4	16.4
155	18.2	18.0	17.9	17.8	18.0	18.0	18.2	18.1	18.1	17.9	18.1	18.3	18.4	18.4	18.3	18.3	18.3	18.4	18.4
160	19.0	18.9	18.8	18.7	18.8	19.0	19.3	19.3	19.1	19.0	19.1	19.3	19.3	19.2	19.1	19.0	19.1	19.1	19.2
165	18.7	18.6	18.5	18.6	18.7	18.9	19.1	19.1	19.0	19.0	19.0	19.1	18.9	19.0	18.9	18.7	18.7	18.6	18.6
170	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.2	18.3	18.4	18.4	18.2	18.2	18.2	18.2	18.1	18.0	17.9	17.7
175	17.2	17.3	17.5	17.6	17.5	17.4	17.5	17.7	17.9	18.0	17.8	17.6	18.0	18.0	18.0	17.9	17.7	17.6	17.6
180	17.8	17.8	17.9	17.9	17.7	17.6	17.8	17.8	17.8	17.8	17.6	17.6	17.8	17.8	17.9	17.9	17.7	17.7	17.8

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 44D 3000K CRI90 NA 20240926(Squ

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(DEG) γ (DEG)	285	300	315	330	345														
0	2444	2444	2444	2444	2444														
5	2498	2476	2450	2424	2400														
10	2464	2440	2396	2360	2321														
15	2016	2090	2131	2162	2087														
20	1168	1365	1608	1736	1561														
25	506	648	943	1121	864														
30	225	294	425	523	321														
35	139	165	182	168	132														
40	106	114	91.2	71.2	84.2														
45	84.1	83.7	50.9	42.7	63.7														
50	64.8	61.9	32.7	29.9	47.8														
55	46.4	43.0	22.5	22.2	33.0														
60	28.4	24.3	14.7	15.2	20.2														
65	14.6	11.2	8.79	9.04	10.7														
70	5.64	4.85	4.42	4.34	4.65														
75	1.62	1.45	1.36	1.35	1.33														
80	0.52	0.49	0.50	0.48	0.51														
85	0.35	0.31	0.30	0.29	0.30														
90	0.31	0.32	0.29	0.31	0.32														
95	0.39	0.39	0.35	0.39	0.40														
100	0.48	0.47	0.45	0.49	0.52														
105	0.59	0.60	0.61	0.63	0.66														
110	0.79	0.83	0.89	0.87	0.87														
115	1.26	1.35	1.45	1.37	1.29														
120	2.27	2.31	2.42	2.26	2.16														
125	3.94	3.83	3.86	3.70	3.61														
130	6.10	5.83	5.81	5.64	5.67														
135	8.53	8.23	8.15	8.04	8.16														
140	11.2	10.9	10.8	10.8	10.9														
145	13.9	13.7	13.6	13.5	13.6														
150	16.4	16.2	16.1	16.0	16.1														
155	18.3	18.0	17.8	17.7	17.9														
160	19.1	18.7	18.4	18.3	18.6														
165	18.5	18.3	18.0	18.0	18.2														
170	17.5	17.4	17.3	17.4	17.4														
175	17.5	17.4	17.2	17.1	17.1														
180	17.8	17.9	17.8	17.6	17.6														

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: