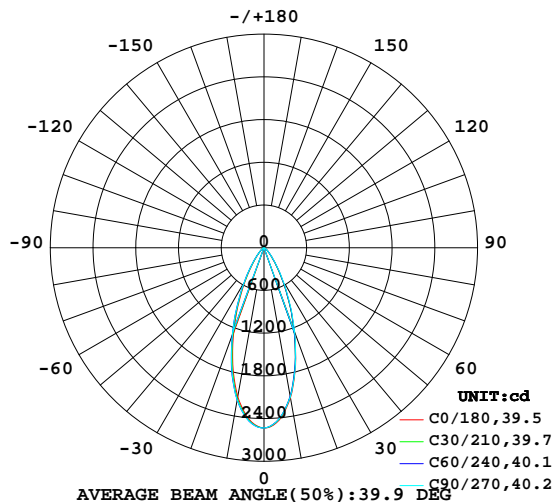


LUMINAIRE PHOTOMETRIC TEST REPORT

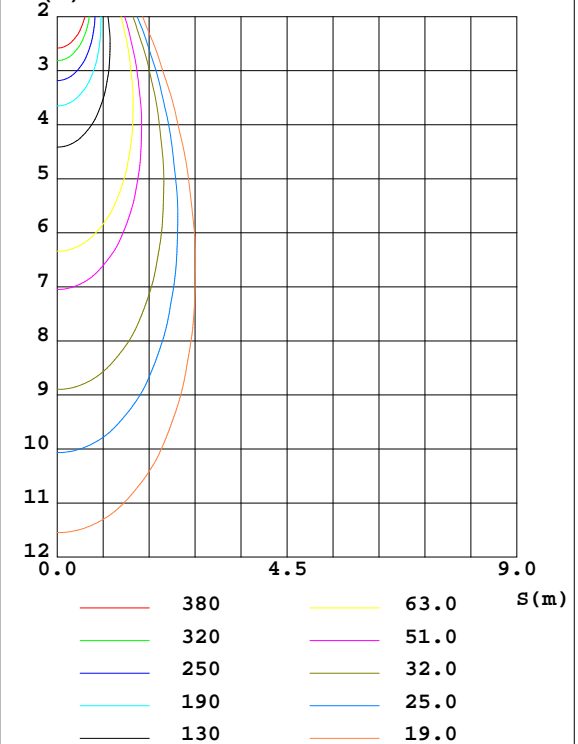
NAME: TLO020-21	TYPE:40D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.24 lm/W			
MODEL		Imax(cd)	2531	S/MH(C0/180)	0.63
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1447.5	η UP,DN(C0-180)	1.2,49.2
NOMINAL FLUX(lm)	1447.51	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,48.4
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	0.70

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:

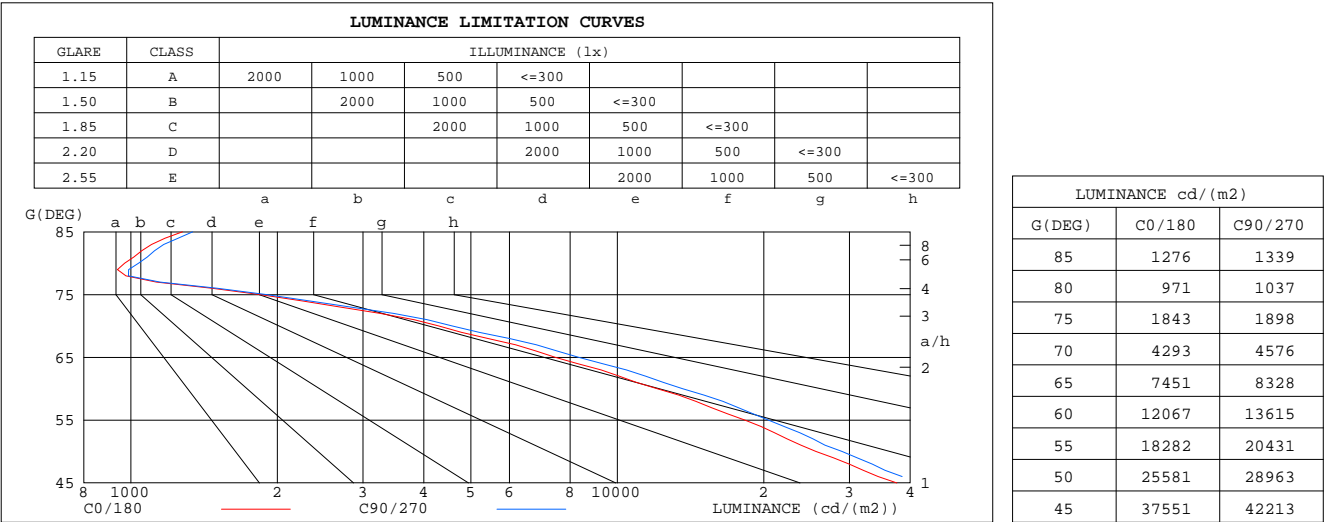
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2140	2134	2127	2161	2125	2146	2170	2113	0- 10	222.3	222.3	15.4,15.4
20	1245	1256	1256	1298	1239	1269	1296	1214	10- 20	471.0	693.3	47.9,47.9
30	508.0	526.0	532.6	557.3	509.2	533.1	546.0	490.9	20- 30	389.2	1083	74.8,74.8
40	166.8	173.3	180.4	184.5	162.9	171.7	177.0	156.9	30- 40	196.6	1279	88.4,88.4
50	59.49	64.10	67.41	66.78	59.77	62.69	64.55	58.99	40- 50	81.18	1360	94,94
60	21.83	23.27	24.65	25.93	23.43	23.71	24.43	21.64	50- 60	36.51	1397	96.5,96.5
70	5.312	5.378	5.667	6.718	6.114	6.097	6.176	5.164	60- 70	13.07	1410	97.4,97.4
80	0.6097	0.6047	0.6521	0.6714	0.5669	0.5790	0.5475	0.5374	70- 80	2.463	1412	97.6,97.6
90	0.3575	0.3800	0.3666	0.3714	0.3158	0.2914	0.3206	0.3005	80- 90	0.4448	1413	97.6,97.6
100	0.5803	0.6076	0.5984	0.5837	0.5258	0.5143	0.5528	0.5433	90-100	0.4744	1413	97.6,97.6
110	1.178	1.211	1.229	1.143	1.067	1.099	1.134	1.148	100-110	0.8520	1414	97.7,97.7
120	2.739	2.782	2.850	2.636	2.504	2.580	2.607	2.701	110-120	1.782	1416	97.8,97.8
130	5.859	5.949	6.047	5.721	5.524	5.575	5.608	5.760	120-130	3.625	1420	98.1,98.1
140	10.43	10.50	10.59	10.27	10.05	10.03	10.03	10.23	130-140	6.089	1426	98.5,98.5
150	14.96	15.00	15.15	14.90	14.76	14.70	14.58	14.67	140-150	7.876	1433	99,99
160	17.19	17.19	17.48	17.39	17.34	17.23	17.26	16.88	150-160	7.510	1441	99.5,99.5
170	16.75	16.95	17.17	17.41	17.23	17.19	16.98	16.75	160-170	4.898	1446	99.9,99.9
180	16.86	17.15	16.93	17.15	16.87	17.15	16.93	17.14	170-180	1.616	1448	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:40D	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

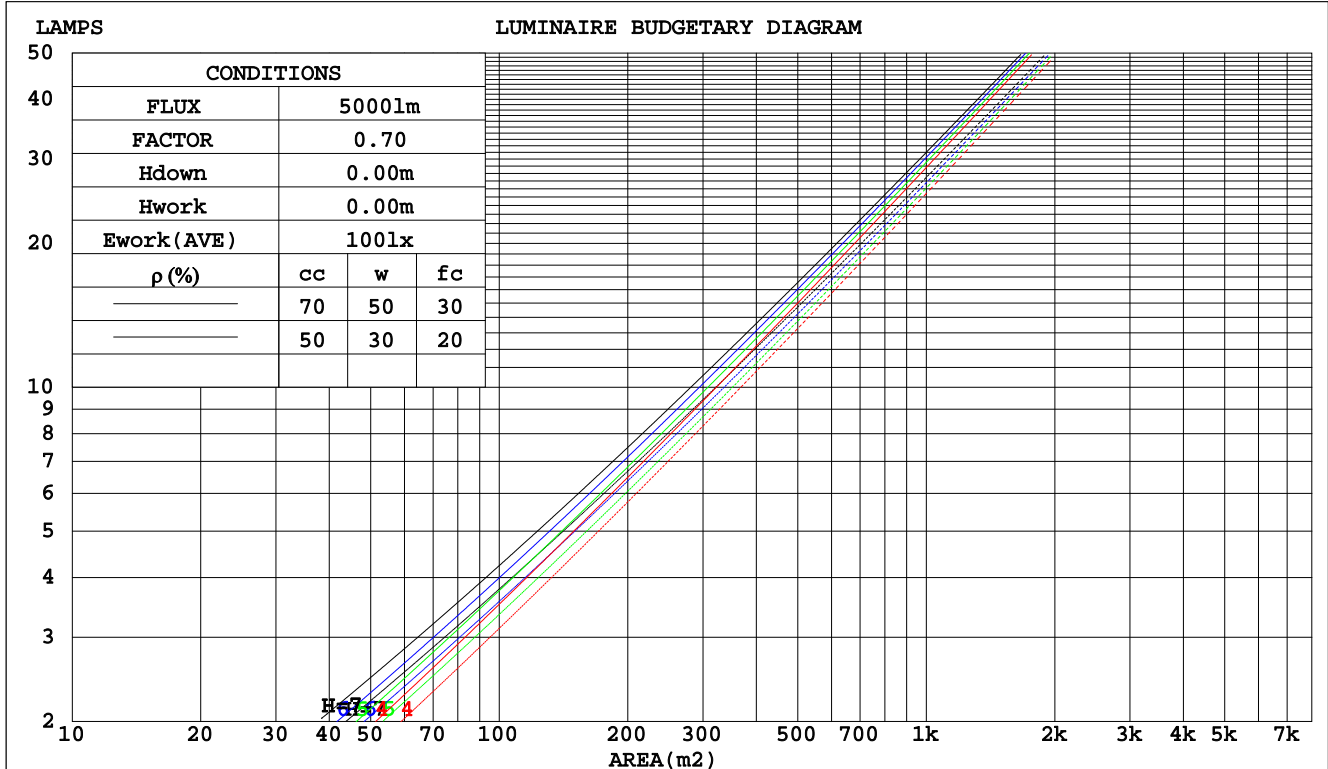
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO020-21 36V500mA CXM-14-30-90-36-AC30 40D 3000K CRI90 NA 20240926(Cir

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-21	TYPE:40D	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	1.10	1.08	1.06	1.08	1.06	1.04	1.03	1.02	1.00	.99	.98	.97	.96	.95	.94	.92
2.0	1.03	.99	.96	1.01	.97	.94	.97	.95	.92	.94	.92	.90	.91	.89	.88	.86
3.0	.96	.91	.88	.95	.90	.87	.92	.88	.85	.89	.86	.84	.87	.84	.82	.80
4.0	.90	.85	.81	.89	.84	.80	.87	.82	.79	.84	.81	.78	.82	.79	.77	.75
5.0	.85	.79	.75	.84	.79	.75	.82	.77	.74	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.75	.71	.79	.74	.70	.78	.73	.70	.76	.72	.69	.75	.71	.68	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.66	.72	.68	.65	.71	.67	.65	.63
8.0	.72	.66	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
9.0	.69	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57
10.0	.65	.60	.56	.65	.60	.56	.64	.59	.56	.63	.59	.56	.62	.58	.55	.54



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 40D 3000K CRI90 NA 20240926(Cir

WEC AND CCEC

NAME: TLO020-21	TYPE:40D	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	.174	.099	.031	.167	.095	.030	.153	.088	.028	.140	.081	.026	.128	.074	.024		
2.0	.166	.091	.028	.160	.088	.027	.148	.082	.026	.137	.077	.024	.127	.072	.023		
3.0	.158	.084	.025	.152	.082	.025	.142	.077	.023	.133	.073	.022	.124	.069	.021		
4.0	.150	.078	.023	.145	.076	.022	.136	.072	.022	.128	.069	.021	.120	.065	.020		
5.0	.142	.072	.021	.138	.071	.021	.130	.068	.020	.123	.065	.019	.116	.062	.019		
6.0	.135	.068	.019	.131	.066	.019	.125	.064	.019	.118	.061	.018	.112	.059	.018		
7.0	.129	.064	.018	.125	.062	.018	.119	.060	.017	.114	.058	.017	.108	.056	.017		
8.0	.123	.060	.017	.120	.059	.017	.114	.057	.016	.109	.055	.016	.104	.054	.016		
9.0	.117	.057	.016	.115	.056	.016	.110	.054	.015	.105	.053	.015	.101	.051	.015		
10.0	.112	.054	.015	.110	.053	.015	.105	.052	.015	.101	.050	.014	.097	.049	.014		

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	.097	.064	.060	.057	.020	.019	.018	
2.0	.174	.151	.132	.149	.130	.114	.102	.090	.079	.059	.052	.047	.019	.017	.015	
3.0	.162	.132	.109	.138	.114	.094	.095	.079	.066	.055	.046	.039	.018	.015	.013	
4.0	.151	.117	.092	.130	.102	.080	.089	.071	.056	.052	.041	.033	.017	.013	.011	
5.0	.142	.106	.079	.122	.092	.069	.084	.064	.049	.049	.038	.029	.016	.012	.010	
6.0	.134	.097	.069	.116	.084	.060	.080	.059	.043	.046	.034	.025	.015	.011	.008	
7.0	.128	.089	.062	.110	.077	.054	.076	.054	.038	.044	.032	.023	.014	.010	.007	
8.0	.122	.083	.056	.105	.072	.049	.073	.050	.034	.042	.030	.021	.014	.010	.007	
9.0	.117	.077	.051	.101	.067	.044	.070	.047	.032	.041	.028	.019	.013	.009	.006	
10.0	.112	.073	.047	.097	.063	.041	.067	.045	.029	.039	.026	.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 40D 3000K CRI90 NA 20240926(Cir

UGR(Unified Glare Rating) Table

NAME: TLO020-21					TYPE:40D			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		18.4	19.3	18.7	19.5	19.7	18.8	19.7	19.1	19.9	20.1
3H		18.3	19.1	18.6	19.4	19.6	18.7	19.5	19.0	19.8	20.0
4H		18.2	19.0	18.5	19.3	19.5	18.6	19.4	19.0	19.7	19.9
6H		18.1	18.9	18.5	19.2	19.4	18.6	19.3	18.9	19.6	19.9
8H		18.1	18.8	18.4	19.1	19.4	18.5	19.2	18.9	19.5	19.8
12H		18.1	18.7	18.4	19.0	19.4	18.5	19.1	18.8	19.4	19.8
4H 2H		18.3	19.1	18.6	19.3	19.6	18.7	19.4	19.0	19.7	20.0
3H		18.2	18.9	18.6	19.2	19.5	18.6	19.3	19.0	19.6	19.9
4H		18.1	18.7	18.5	19.1	19.4	18.5	19.1	18.9	19.5	19.8
6H		18.0	18.6	18.4	18.9	19.3	18.4	18.9	18.8	19.3	19.7
8H		18.0	18.5	18.4	18.9	19.3	18.4	18.8	18.8	19.2	19.7
12H		17.9	18.4	18.4	18.8	19.2	18.3	18.8	18.8	19.2	19.6
8H 4H		18.0	18.5	18.4	18.9	19.3	18.4	18.9	18.8	19.2	19.7
6H		17.9	18.3	18.3	18.7	19.2	18.3	18.7	18.7	19.1	19.6
8H		17.8	18.2	18.3	18.6	19.1	18.2	18.6	18.7	19.0	19.5
12H		17.8	18.1	18.3	18.5	19.1	18.1	18.4	18.6	18.9	19.4
12H 4H		17.9	18.4	18.4	18.8	19.2	18.3	18.8	18.8	19.2	19.6
6H		17.8	18.2	18.3	18.6	19.1	18.2	18.6	18.7	19.0	19.5
8H		17.8	18.1	18.3	18.5	19.1	18.1	18.4	18.6	18.9	19.4
Variations with the observer position at spacings:											
S = 1.0H		+ 2.2 / - 4.3					+ 2.3 / - 4.1				
1.5H		+ 3.3 / - 2.8					+ 3.4 / - 2.8				
2.0H		+ 3.4 / - 4.2					+ 3.6 / - 4.4				

CIE Pub.117, 1448 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.3$)

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 40D 3000K CRI90 NA 20240926(Cir

UTILIZATION FACTORS TABLE

NAME: TLO020-21	TYPE:40D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

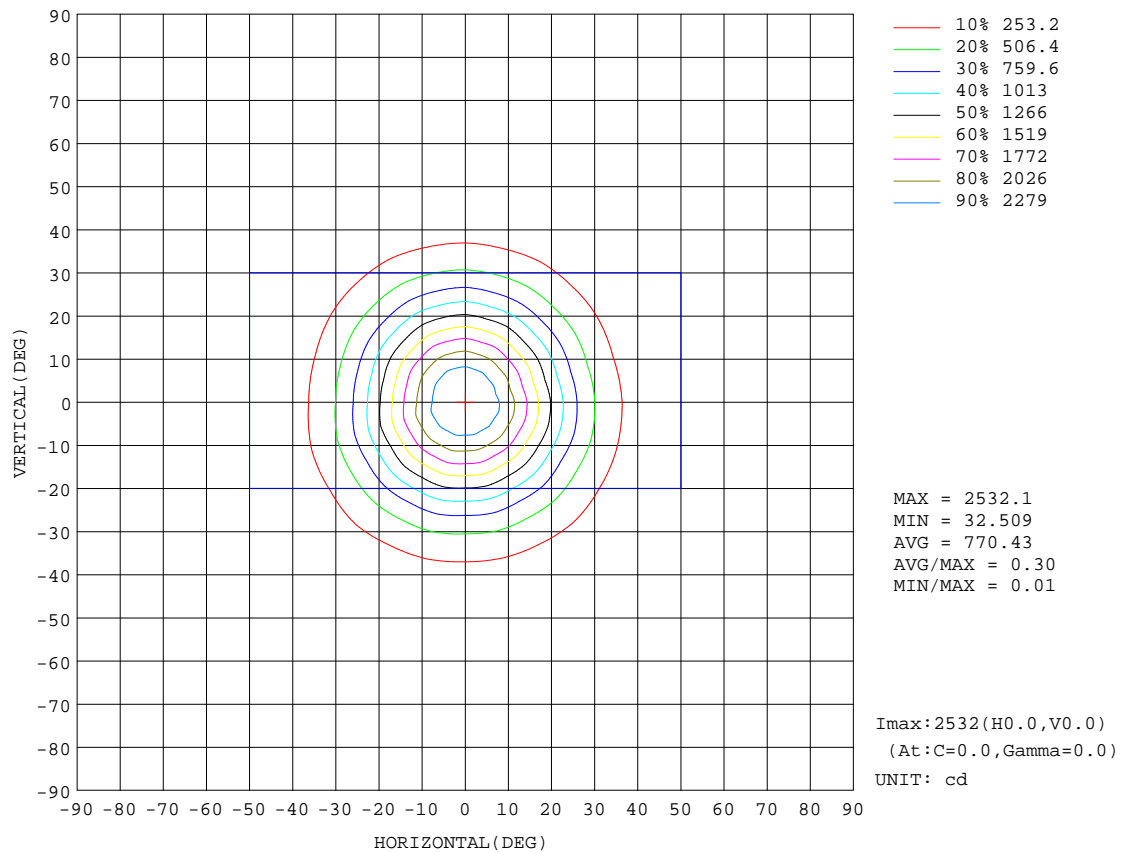
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	84	77	73	84	77	73	83	77	73	69
0.80	92	86	82	91	85	81	90	84	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	91	98	93	90	86
1.50	104	99	95	103	98	95	100	96	93	88
2.00	107	103	99	105	101	98	102	99	97	91
2.50	109	105	102	107	103	101	104	101	98	92
3.00	111	107	104	109	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	112	110	112	110	108	107	106	104	96
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
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:40D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:



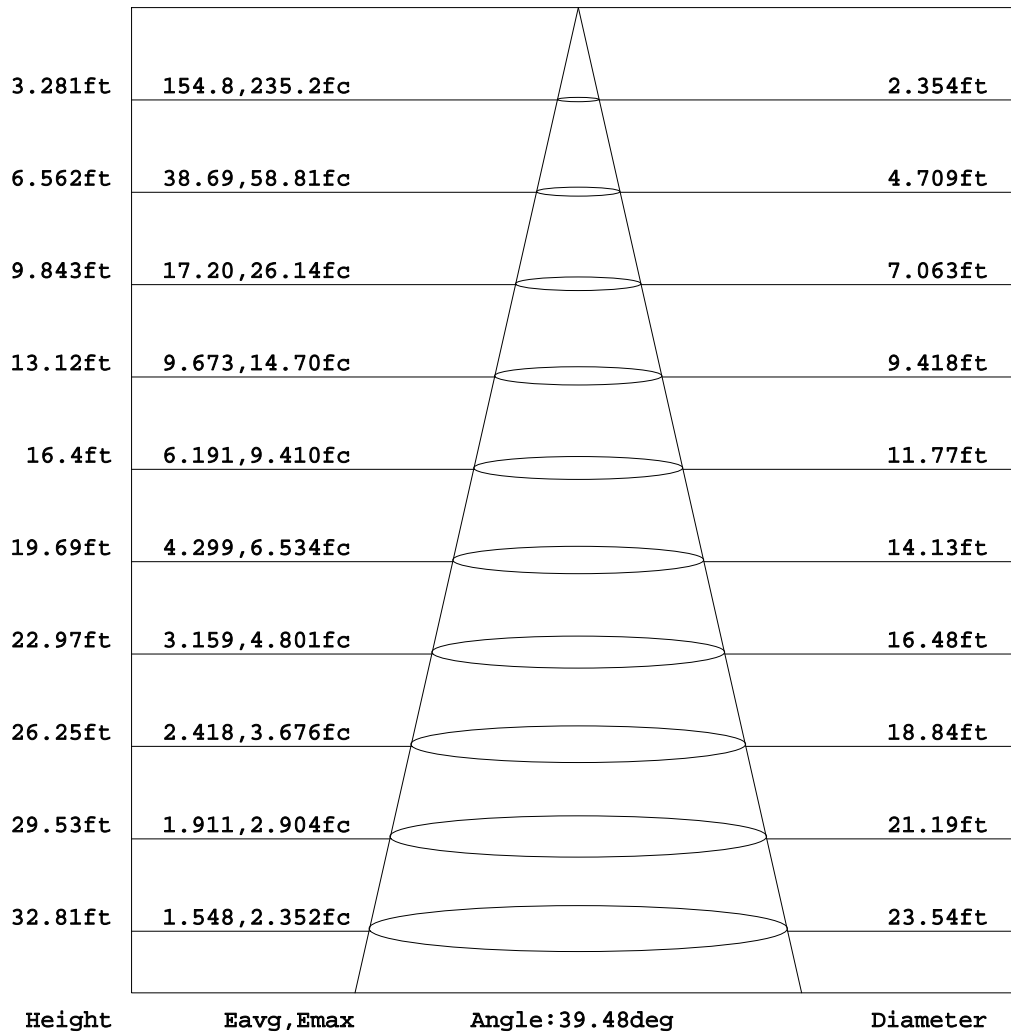
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-26

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:40D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

Flux out:693.3 lm



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

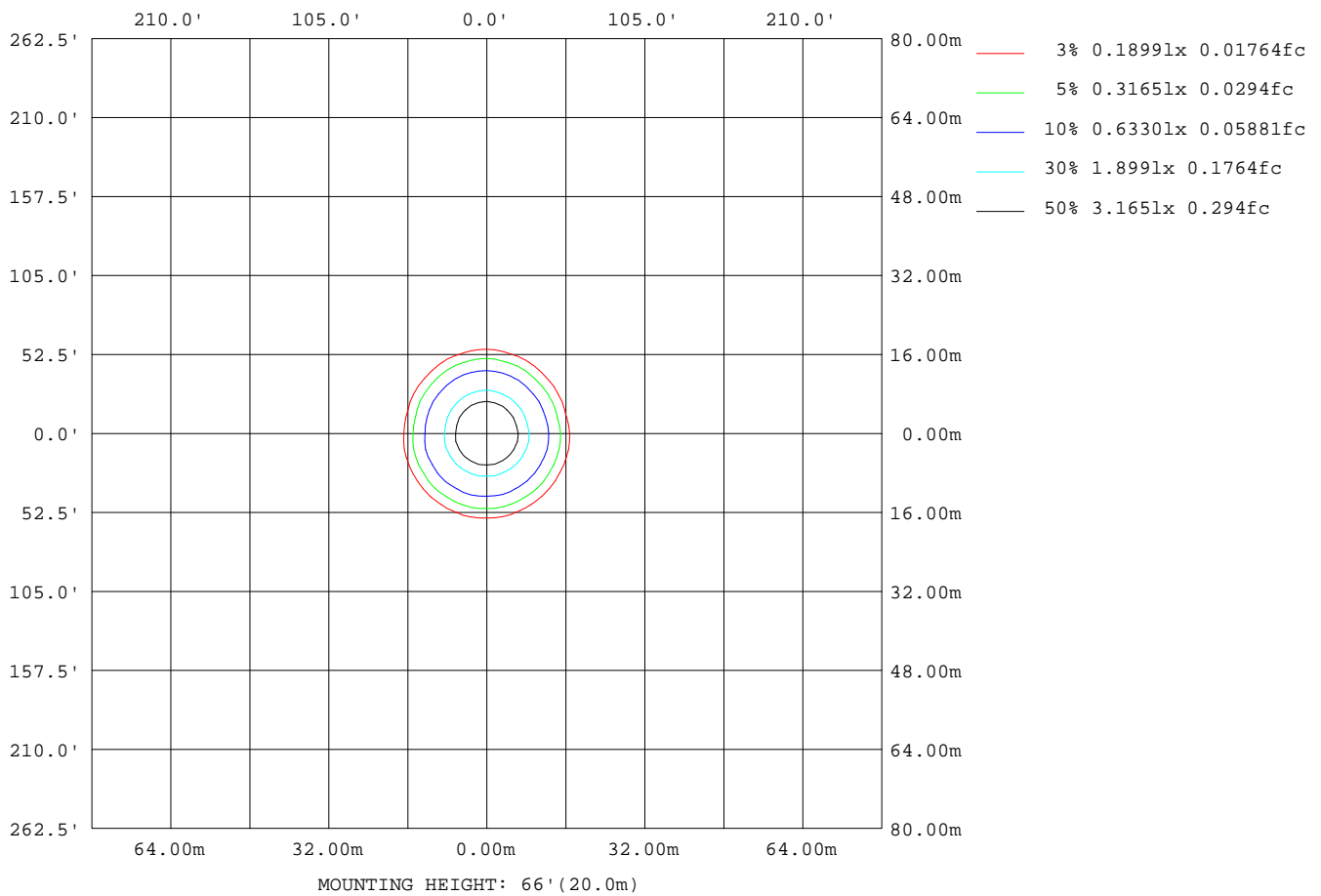
C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-26

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 40D 3000K CRI90 NA 20240926(Cir

ISOLUX DIAGRAM

NAME: TLO020-21	TYPE:40D	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:40D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	Shielding Angle:

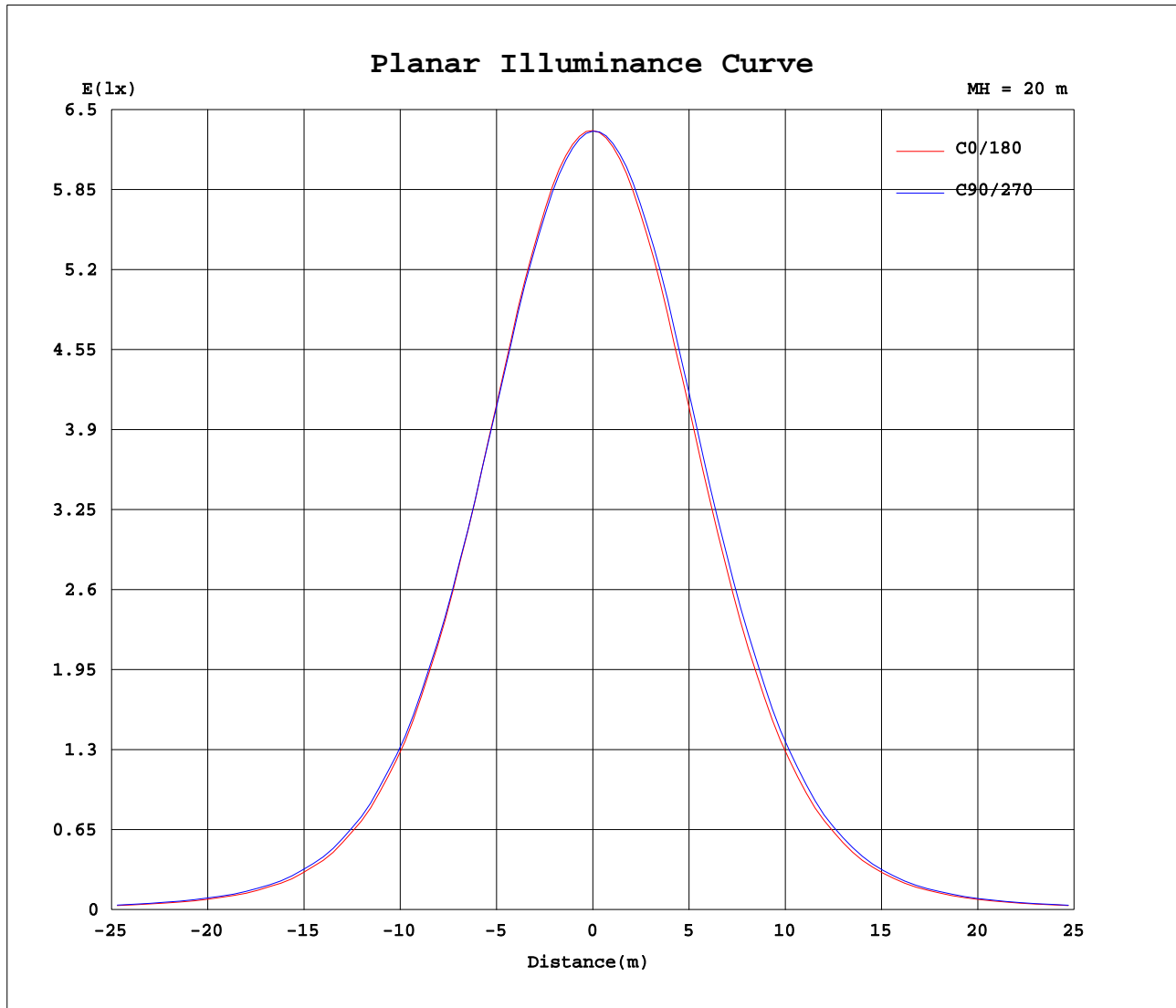
AvgL	cd/m2
L_0~180(65)av	7926
L_0~180(75)av	2002
L_0~180(85)av	1189
L_90~270(65)av	8450
L_90~270(75)av	2018
L_90~270(85)av	1215
L_45(65)av	8220
L_45(75)av	2042
L_45(85)av	1211

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 40D 3000K CRI90 NA 20240926(Cir

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:40D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:68	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	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531	2531
5	2432	2435	2421	2424	2415	2421	2417	2429	2424	2436	2432	2444	2419	2416	2433	2431	2443	2434	2442
10	2140	2144	2125	2134	2118	2133	2127	2147	2136	2161	2145	2170	2125	2118	2152	2146	2174	2156	2170
15	1712	1720	1694	1707	1691	1715	1708	1736	1724	1750	1726	1752	1698	1688	1729	1729	1764	1739	1754
20	1245	1261	1235	1256	1237	1266	1256	1288	1269	1298	1267	1297	1239	1231	1270	1269	1306	1287	1296
25	827	845	822	848	831	860	848	881	863	887	859	881	828	823	854	856	884	870	877
30	508	522	507	526	517	540	533	557	541	557	538	549	509	508	529	533	550	543	546
35	292	301	293	305	302	317	312	328	322	326	319	317	292	291	305	307	318	314	316
40	167	169	168	173	175	182	180	187	183	184	177	177	163	163	170	172	178	176	177
45	96.1	98.3	97.5	102	103	108	108	109	107	107	104	103	95.0	94.8	98.5	99.8	104	103	103
50	59.5	60.9	60.4	64.1	65.7	68.1	67.4	67.9	66.6	66.8	64.6	63.7	59.8	59.0	61.5	62.7	64.8	64.3	64.5
55	37.9	38.6	38.4	40.5	41.5	43.3	42.4	43.3	42.6	43.1	41.1	41.1	38.8	38.1	39.8	39.7	41.4	40.7	41.4
60	21.8	22.4	22.1	23.3	23.6	25.0	24.6	25.7	25.0	25.9	24.7	25.1	23.4	23.0	24.1	23.7	24.5	23.9	24.4
65	11.4	11.8	11.3	12.0	11.9	12.8	12.7	13.6	13.3	14.1	13.5	13.9	12.9	12.6	13.2	12.9	13.3	12.9	13.1
70	5.31	5.42	5.15	5.38	5.18	5.69	5.67	6.28	6.27	6.72	6.46	6.80	6.11	5.99	6.30	6.10	6.32	6.05	6.18
75	1.73	1.77	1.62	1.70	1.60	1.79	1.78	2.04	2.07	2.36	2.26	2.47	2.03	1.96	2.10	2.04	2.13	1.99	2.00
80	0.61	0.60	0.61	0.60	0.63	0.62	0.65	0.65	0.67	0.67	0.67	0.68	0.57	0.57	0.56	0.58	0.56	0.57	0.55
85	0.40	0.39	0.40	0.39	0.40	0.41	0.42	0.44	0.44	0.45	0.45	0.44	0.35	0.35	0.35	0.37	0.36	0.36	0.34
90	0.36	0.38	0.36	0.38	0.37	0.38	0.37	0.38	0.36	0.37	0.35	0.36	0.32	0.29	0.31	0.29	0.32	0.30	0.32
95	0.45	0.46	0.45	0.47	0.46	0.48	0.46	0.47	0.45	0.46	0.44	0.45	0.40	0.38	0.40	0.38	0.40	0.39	0.42
100	0.58	0.59	0.59	0.61	0.60	0.62	0.60	0.60	0.58	0.58	0.57	0.57	0.53	0.51	0.52	0.51	0.54	0.53	0.55
105	0.80	0.81	0.82	0.83	0.84	0.84	0.83	0.82	0.80	0.79	0.78	0.78	0.73	0.73	0.73	0.74	0.75	0.75	0.78
110	1.18	1.18	1.21	1.21	1.24	1.23	1.23	1.19	1.18	1.14	1.14	1.12	1.07	1.08	1.07	1.10	1.10	1.13	1.13
115	1.79	1.78	1.84	1.83	1.89	1.86	1.87	1.80	1.80	1.73	1.74	1.69	1.63	1.66	1.64	1.68	1.67	1.72	1.71
120	2.74	2.71	2.82	2.78	2.88	2.82	2.85	2.74	2.75	2.64	2.67	2.57	2.50	2.57	2.50	2.58	2.54	2.62	2.61
125	4.08	4.07	4.17	4.16	4.25	4.20	4.22	4.11	4.09	3.97	3.97	3.89	3.80	3.84	3.79	3.86	3.83	3.89	3.90
130	5.86	5.84	5.94	5.95	6.09	6.00	6.05	5.88	5.89	5.72	5.70	5.61	5.52	5.57	5.49	5.57	5.51	5.60	5.61
135	8.02	7.99	8.14	8.11	8.25	8.16	8.23	8.04	8.04	7.86	7.88	7.75	7.65	7.68	7.60	7.64	7.60	7.71	7.70
140	10.4	10.4	10.6	10.5	10.6	10.5	10.6	10.4	10.4	10.3	10.3	10.2	10.1	10.1	9.98	10.0	9.95	10.1	10.0
145	12.8	12.8	12.9	12.9	13.0	13.0	13.0	12.9	12.8	12.7	12.7	12.6	12.5	12.5	12.4	12.5	12.4	12.5	12.4
150	15.0	14.9	15.0	15.0	15.1	15.1	15.2	15.0	15.0	14.9	15.0	14.9	14.8	14.8	14.6	14.7	14.6	14.7	14.6
155	16.5	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.6	16.5	16.6	16.6	16.5	16.4	16.3	16.4	16.3	16.4	16.3
160	17.2	17.2	17.2	17.2	17.3	17.4	17.5	17.5	17.4	17.4	17.5	17.5	17.3	17.3	17.2	17.2	17.3	17.3	17.3
165	17.2	17.2	17.2	17.2	17.3	17.4	17.5	17.5	17.5	17.6	17.6	17.6	17.5	17.5	17.4	17.4	17.4	17.4	17.4
170	16.8	16.7	16.8	16.9	17.1	17.1	17.2	17.2	17.3	17.4	17.5	17.4	17.2	17.4	17.4	17.2	17.1	17.0	17.0
175	16.6	16.6	16.7	16.8	16.8	16.8	16.8	16.9	17.1	17.2	17.2	17.0	17.0	17.1	17.2	17.2	17.0	16.8	16.8
180	16.9	16.9	17.0	17.2	17.0	16.9	16.9	16.9	17.1	17.2	17.0	16.8	16.9	16.9	17.0	17.2	17.0	16.9	16.9

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 40D 3000K CRI90 NA 20240926(Cir

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-21	TYPE:40D	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	2531	2531	2531	2531	2531													
5	2428	2429	2416	2416	2406													
10	2139	2143	2113	2116	2093													
15	1713	1723	1677	1680	1651													
20	1254	1261	1214	1221	1190													
25	842	840	804	808	787													
30	523	515	491	493	479													
35	301	296	279	280	273													
40	170	167	157	157	153													
45	99.0	97.3	93.4	92.9	90.5													
50	62.6	61.3	59.0	58.4	56.8													
55	39.6	39.3	37.5	37.2	36.0													
60	23.2	23.0	21.6	21.5	20.6													
65	12.4	12.2	11.3	11.3	10.7													
70	5.73	5.67	5.16	5.19	4.85													
75	1.80	1.78	1.55	1.57	1.41													
80	0.55	0.53	0.54	0.52	0.53													
85	0.34	0.32	0.32	0.31	0.30													
90	0.30	0.32	0.30	0.32	0.30													
95	0.40	0.41	0.40	0.41	0.39													
100	0.55	0.55	0.54	0.55	0.53													
105	0.77	0.78	0.77	0.77	0.75													
110	1.15	1.14	1.15	1.13	1.13													
115	1.76	1.73	1.76	1.72	1.74													
120	2.68	2.64	2.70	2.63	2.67													
125	3.97	3.96	4.02	3.96	3.97													
130	5.70	5.67	5.76	5.69	5.74													
135	7.82	7.78	7.86	7.82	7.88													
140	10.2	10.1	10.2	10.2	10.3													
145	12.5	12.5	12.6	12.5	12.6													
150	14.7	14.6	14.7	14.6	14.7													
155	16.3	16.2	16.2	16.1	16.2													
160	17.2	17.0	16.9	16.8	17.0													
165	17.3	17.1	16.9	16.9	16.9													
170	17.0	16.9	16.8	16.7	16.6													
175	16.8	16.9	16.8	16.6	16.4													
180	16.9	17.1	17.1	17.0	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: