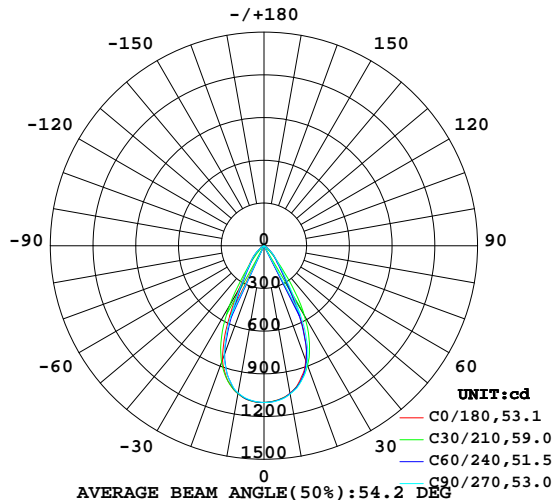


LUMINAIRE PHOTOMETRIC TEST REPORT

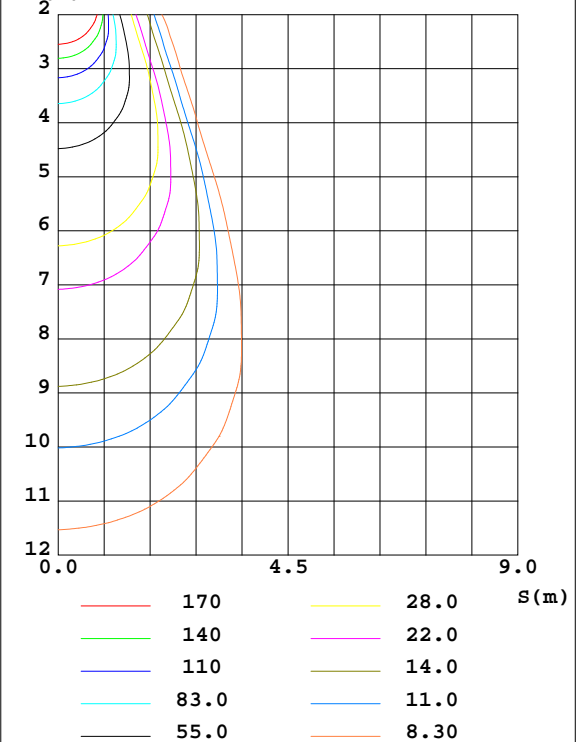
NAME: TLO015-21	TYPE: 54D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 46	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.92 lm/W			
MODEL		Imax(cd)	1102	S/MH(C0/180)	0.78
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.76
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	942.87	η UP,DN(C0-180)	1.2,50.5
NOMINAL FLUX(lm)	942.874	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,47.2
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	0.85

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: 2024-09-30

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:

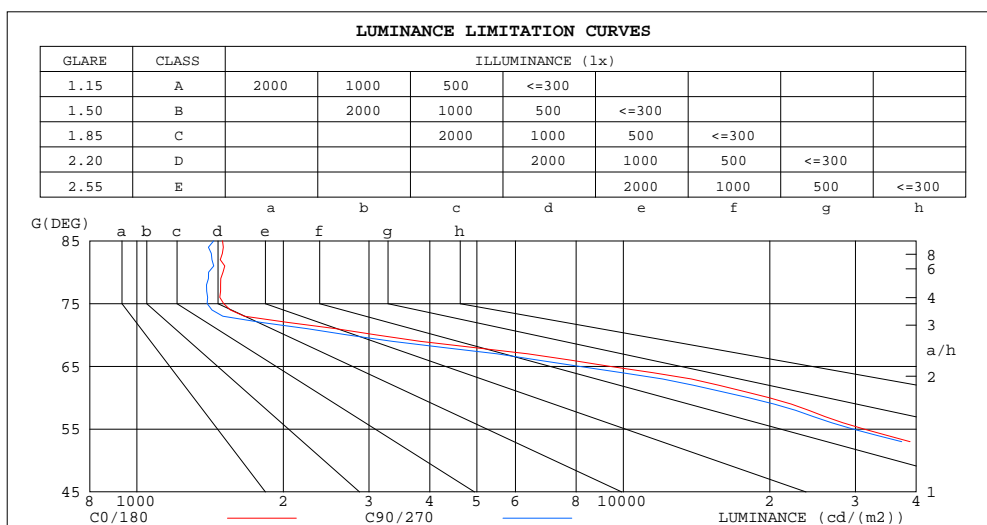
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	1052	1057	1057	1062	1055	1052	1050	1046	0- 10	103.0	103.0	10.9,10.9
20	858.1	892.9	883.2	874.5	852.7	836.2	818.4	858.8	10- 20	272.6	375.6	39.8,39.8
30	400.4	479.3	429.8	412.3	353.0	369.0	331.6	434.0	20- 30	292.5	668.1	70.9,70.9
40	141.2	158.4	147.0	156.1	145.9	141.7	141.9	140.2	30- 40	153.7	821.8	87.2,87.2
50	58.41	55.94	55.21	58.23	53.07	47.68	57.24	46.80	40- 50	68.34	890.1	94.4,94.4
60	16.51	14.93	15.00	14.61	14.47	11.76	16.55	12.16	50- 60	23.56	913.7	96.9,96.9
70	1.759	1.729	1.538	1.433	1.255	1.241	1.562	1.465	60- 70	5.812	919.5	97.5,97.5
80	0.4323	0.4081	0.4048	0.3691	0.3168	0.3204	0.3420	0.3543	70- 80	0.7081	920.2	97.6,97.6
90	0.2071	0.2187	0.2188	0.2191	0.1941	0.1655	0.1880	0.1658	80- 90	0.2471	920.5	97.6,97.6
100	0.3765	0.3843	0.3930	0.3851	0.3617	0.3353	0.3495	0.3338	90-100	0.2897	920.7	97.7,97.7
110	0.8188	0.8218	0.8323	0.8544	0.8051	0.8337	0.7986	0.8001	100-110	0.5902	921.3	97.7,97.7
120	2.006	1.948	1.978	2.027	2.000	2.074	2.008	1.989	110-120	1.322	922.7	97.9,97.9
130	4.021	3.885	4.021	4.002	4.055	4.143	4.058	4.013	120-130	2.633	925.3	98.1,98.1
140	6.576	6.373	6.551	6.517	6.612	6.715	6.598	6.523	130-140	4.052	929.3	98.6,98.6
150	8.977	8.810	9.063	8.954	9.031	9.146	9.021	8.869	140-150	4.876	934.2	99.1,99.1
160	10.37	10.40	10.60	10.56	10.59	10.49	10.59	10.22	150-160	4.524	938.7	99.6,99.6
170	11.08	11.04	11.17	11.13	11.20	11.18	11.01	10.92	160-170	3.059	941.8	99.9,99.9
180	11.72	11.73	11.63	11.70	11.73	11.73	11.63	11.69	170-180	1.078	942.9	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:2024-09-30

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: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1500	1438
80	1503	1404
75	1508	1395
70	3106	2708
65	9363	8099
60	19936	18069
55	31223	29644
50	54874	51721
45	85410	84782

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-30

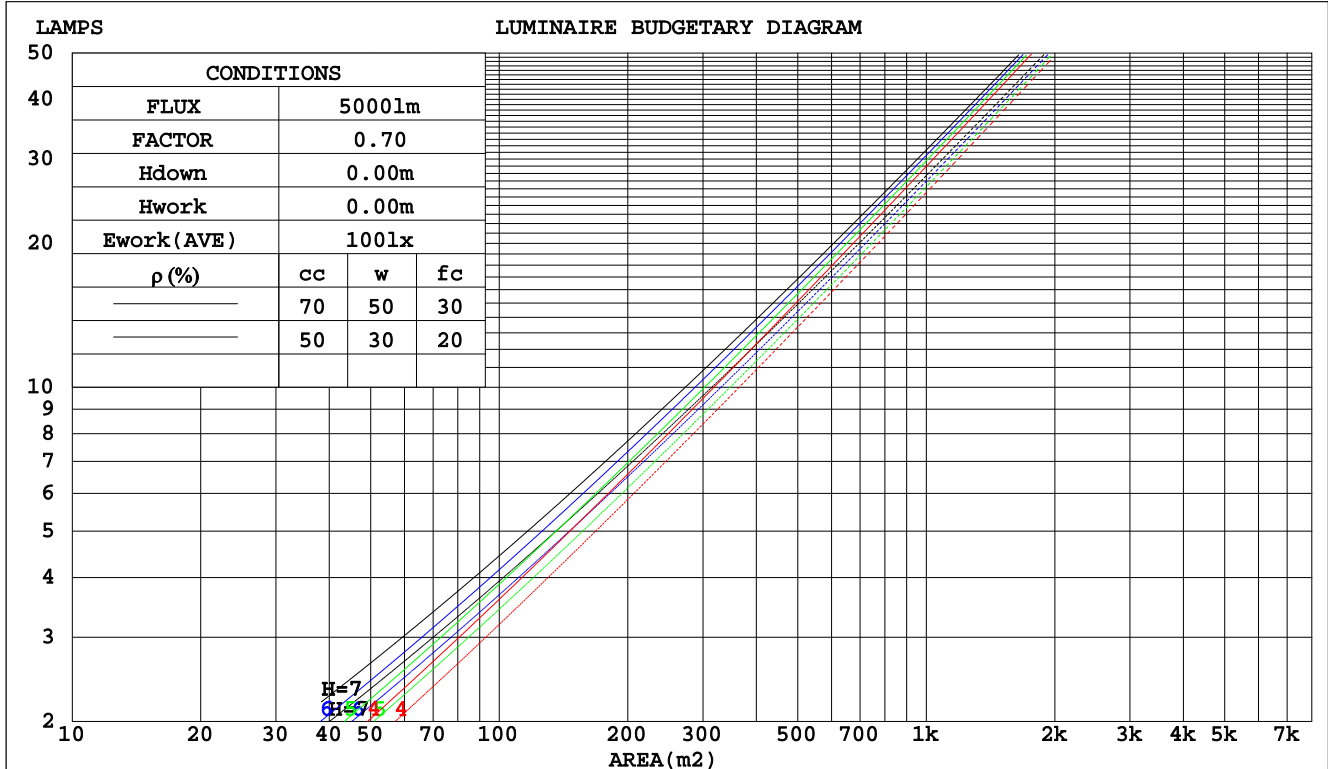
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 54D 3000K CRI90 NA 20240930 (Squ

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	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	1.05	1.08	1.05	1.03	1.03	1.01	.00	.99	.98	.96	.95	.94	.93	.91
2.0	1.02	.98	.95	1.00	.97	.93	.97	.94	.91	.93	.91	.89	.90	.88	.87	.85
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.88	.85	.82	.85	.83	.80	.79
4.0	.89	.83	.79	.88	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.73
5.0	.83	.77	.73	.82	.77	.72	.80	.75	.72	.78	.74	.71	.76	.73	.70	.68
6.0	.78	.72	.68	.77	.71	.67	.75	.70	.67	.74	.69	.66	.72	.68	.65	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.68	.64	.61	.60
8.0	.69	.63	.59	.68	.63	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.57	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.59	.54	.51	.50



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-30

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:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 54D 3000K CRI90 NA 20240930 (Squ

WEC AND CCEC

NAME: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	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	.181	.103	.033	.173	.099	.031	.159	.091	.029	.146	.084	.027	.135	.078	.025		
2.0	.173	.095	.029	.167	.092	.028	.155	.086	.027	.144	.081	.025	.134	.076	.024		
3.0	.165	.088	.026	.160	.085	.026	.149	.081	.025	.140	.077	.023	.131	.073	.022		
4.0	.157	.082	.024	.152	.080	.024	.143	.076	.023	.135	.072	.022	.127	.069	.021		
5.0	.149	.076	.022	.145	.075	.022	.137	.072	.021	.130	.069	.020	.123	.066	.020		
6.0	.142	.071	.020	.139	.070	.020	.132	.068	.020	.125	.065	.019	.119	.063	.019		
7.0	.136	.067	.019	.133	.066	.019	.126	.064	.018	.121	.062	.018	.115	.060	.018		
8.0	.130	.063	.018	.127	.062	.018	.121	.061	.017	.116	.059	.017	.111	.057	.017		
9.0	.124	.060	.017	.122	.059	.017	.116	.058	.016	.112	.056	.016	.107	.054	.016		
10.0	.119	.057	.016	.117	.056	.016	.112	.055	.015	.108	.053	.015	.104	.052	.015		

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	.190	.176	.163	.162	.151	.140	.111	.104	.097	.064	.060	.056	.020	.019	.018		
2.0	.175	.151	.131	.150	.130	.113	.103	.090	.079	.059	.052	.046	.019	.017	.015		
3.0	.163	.132	.108	.140	.114	.093	.096	.079	.065	.055	.046	.039	.018	.015	.013		
4.0	.153	.118	.091	.131	.102	.079	.090	.071	.055	.052	.041	.033	.017	.013	.011		
5.0	.144	.106	.078	.124	.092	.068	.085	.064	.048	.049	.038	.028	.016	.012	.009		
6.0	.137	.097	.068	.118	.084	.059	.081	.059	.042	.047	.035	.025	.015	.011	.008		
7.0	.130	.089	.061	.112	.077	.053	.077	.054	.037	.045	.032	.022	.015	.010	.007		
8.0	.125	.083	.055	.107	.072	.048	.074	.051	.034	.043	.030	.020	.014	.010	.007		
9.0	.120	.078	.050	.103	.068	.044	.071	.048	.031	.042	.028	.018	.013	.009	.006		
10.0	.115	.074	.046	.099	.064	.040	.069	.045	.029	.040	.027	.017	.013	.009	.006		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-30

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:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 54D 3000K CRI90 NA 20240930 (Squ

UGR(Unified Glare Rating) Table

NAME: TLO015-21					TYPE:54D			WEIGHT:1			
SPEC.:3000K CRI90					DIM.:			SERIAL No.:			
MFR.:					SUR.:46			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		23.3	24.2	23.5	24.4	24.6	22.5	23.5	22.8	23.7	23.9
3H		23.1	24.0	23.4	24.2	24.5	22.4	23.3	22.7	23.5	23.7
4H		23.0	23.8	23.3	24.1	24.4	22.3	23.1	22.6	23.4	23.6
6H		22.9	23.7	23.3	24.0	24.3	22.2	23.0	22.5	23.3	23.5
8H		22.9	23.6	23.2	23.9	24.2	22.2	22.9	22.5	23.2	23.5
12H		22.8	23.5	23.2	23.8	24.2	22.1	22.8	22.5	23.1	23.4
4H 2H		23.1	23.9	23.4	24.2	24.4	22.3	23.2	22.6	23.4	23.7
3H		22.9	23.6	23.3	23.9	24.2	22.2	22.9	22.5	23.2	23.5
4H		22.8	23.4	23.2	23.8	24.1	22.1	22.7	22.5	23.1	23.4
6H		22.7	23.3	23.1	23.6	24.0	22.0	22.5	22.4	22.9	23.3
8H		22.7	23.2	23.1	23.6	24.0	21.9	22.4	22.4	22.8	23.3
12H		22.6	23.1	23.1	23.5	23.9	21.9	22.3	22.3	22.8	23.2
8H 4H		22.7	23.2	23.1	23.6	24.0	21.9	22.4	22.4	22.8	23.3
6H		22.5	23.0	23.0	23.4	23.9	21.8	22.2	22.3	22.7	23.1
8H		22.5	22.9	23.0	23.3	23.8	21.8	22.1	22.3	22.6	23.1
12H		22.4	22.8	22.9	23.2	23.8	21.7	22.0	22.2	22.5	23.0
12H 4H		22.6	23.1	23.0	23.5	23.9	21.9	22.3	22.3	22.8	23.2
6H		22.5	22.9	23.0	23.3	23.8	21.8	22.1	22.3	22.6	23.1
8H		22.4	22.8	22.9	23.2	23.8	21.7	22.0	22.2	22.5	23.0
Variations with the observer position at spacings:											
S = 1.0H		+ 2.9 / - 8.1					+ 2.3 / - 5.2				
1.5H		+ 4.0 / - 7.4					+ 3.1 / - 3.6				
2.0H		+ 6.2 / - 8.4					+ 4.6 / - 6.1				

CIE Pub.117, 942.9 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.2$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2024-09-30

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: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:

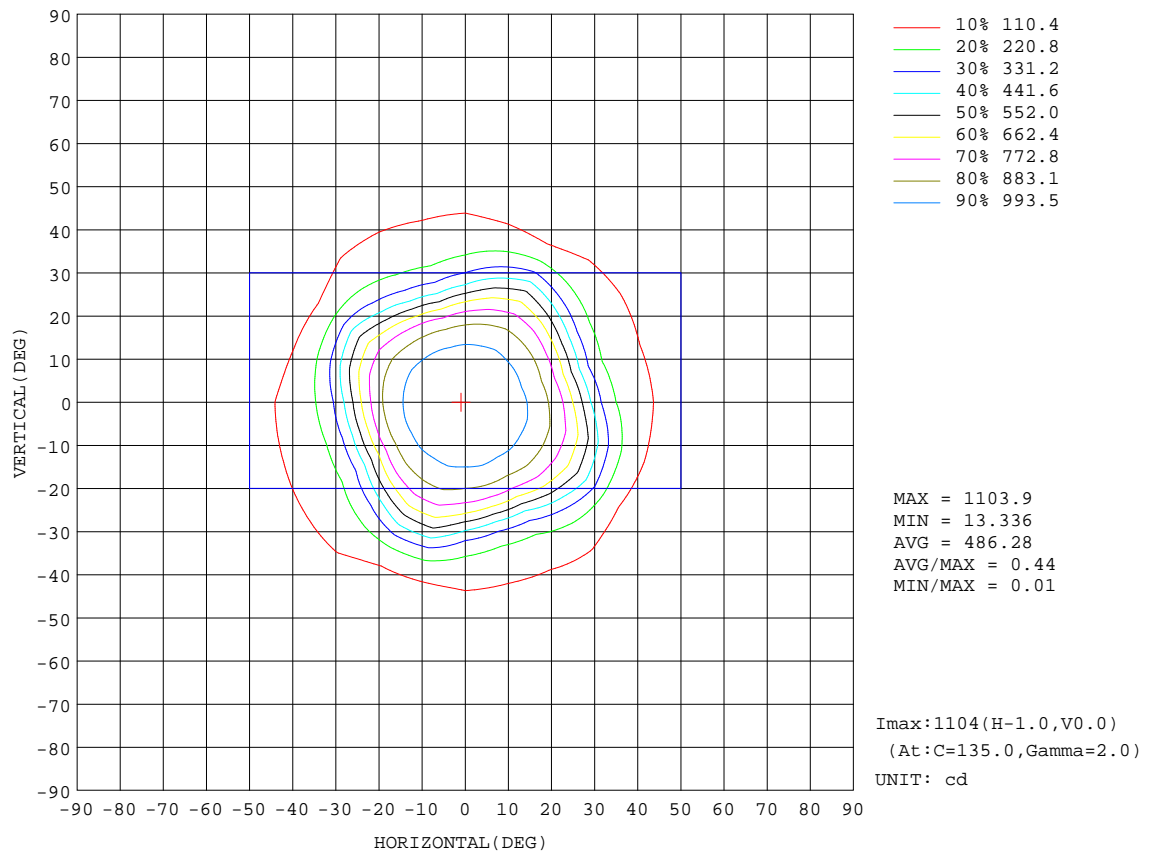
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	83	76	72	83	76	72	82	76	72	68
0.80	91	85	81	91	84	81	89	84	80	76
1.00	96	90	86	95	90	86	94	90	85	81
1.25	101	95	91	100	95	91	97	93	90	85
1.50	104	99	95	102	98	94	100	96	93	88
2.00	107	102	99	105	101	98	102	99	96	90
2.50	109	105	101	107	103	100	103	101	98	92
3.00	110	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	111	109	112	109	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:2024-09-30

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: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:



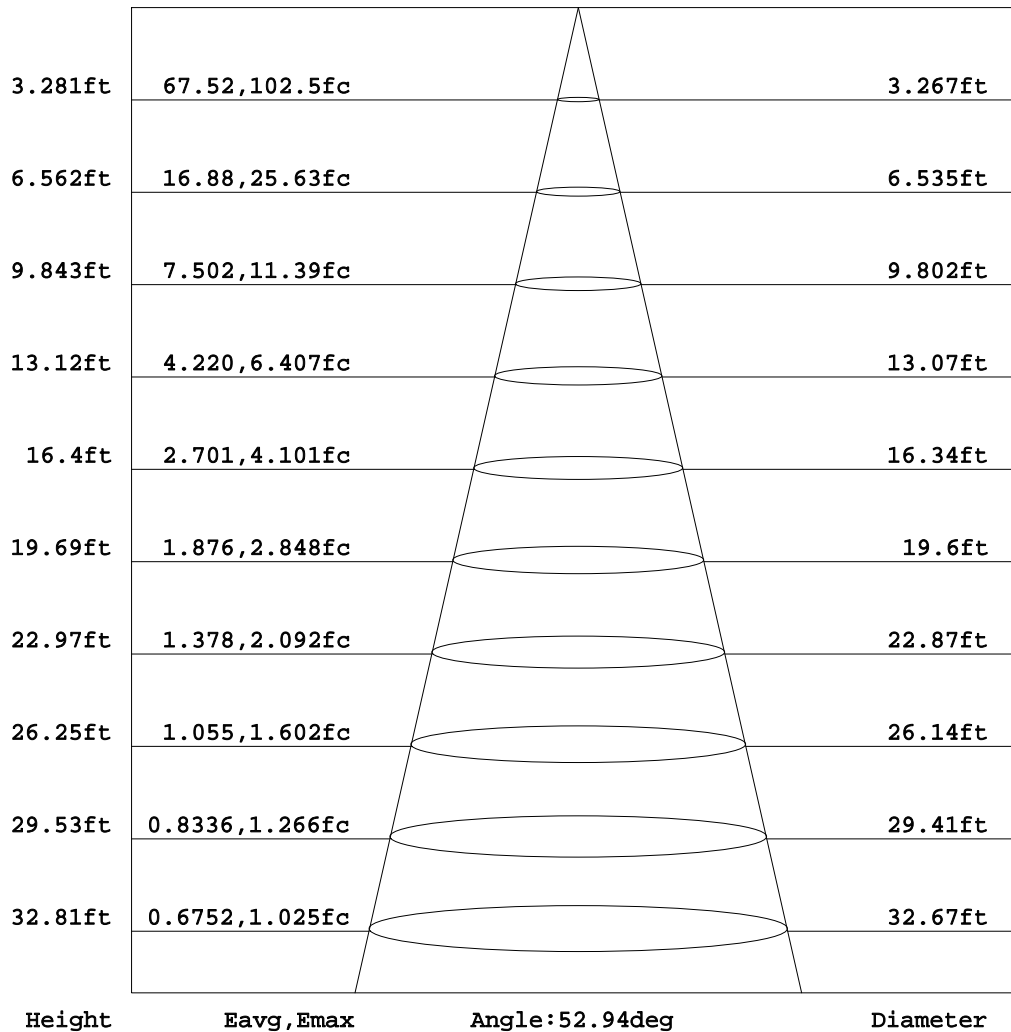
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2024-09-30

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: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:

Flux out:592.8 lm



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

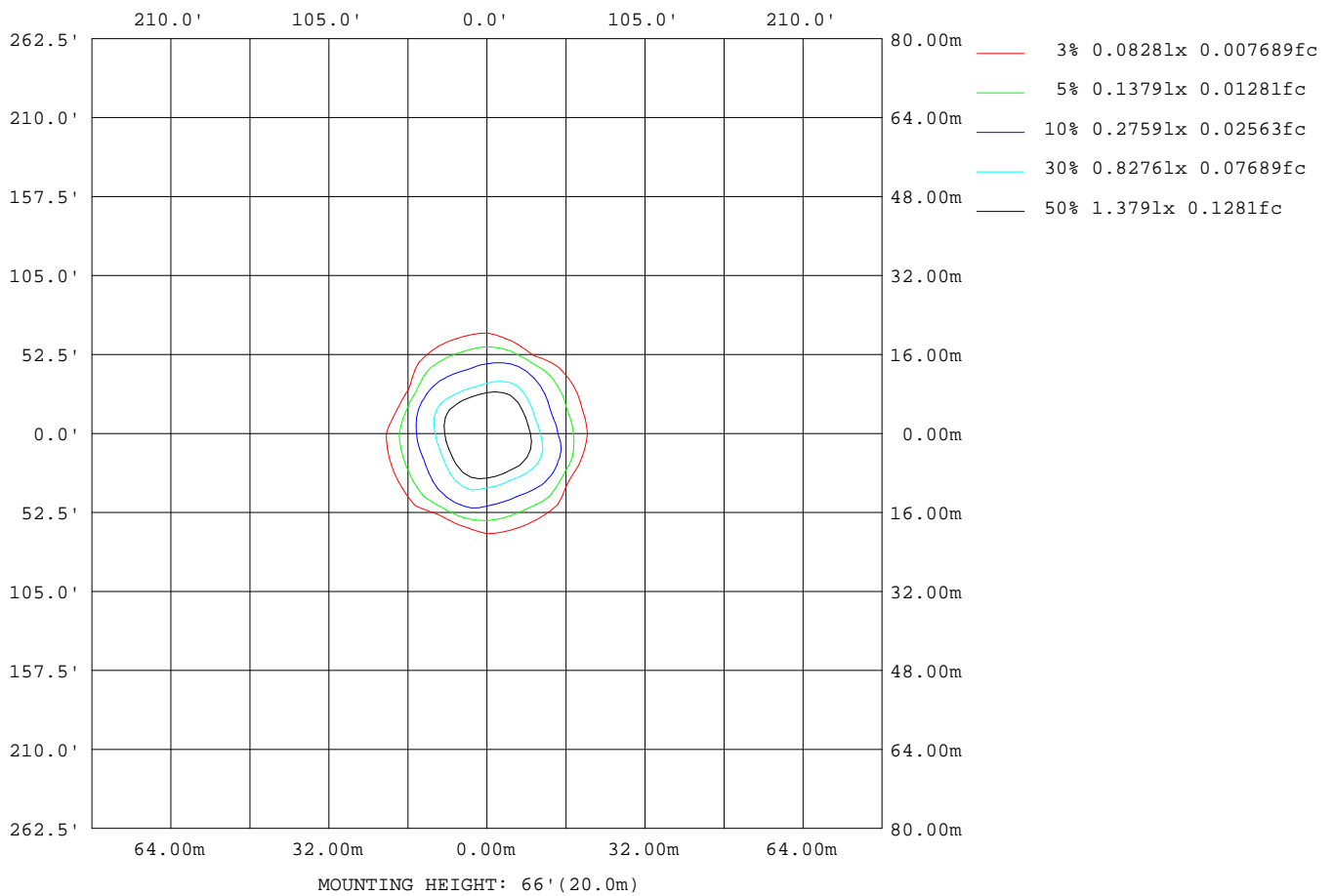
C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-30

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:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 54D 3000K CRI90 NA 20240930 (Squ

ISOLUX DIAGRAM

NAME: TLO015-21	TYPE: 54D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 46	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-09-30

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: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:

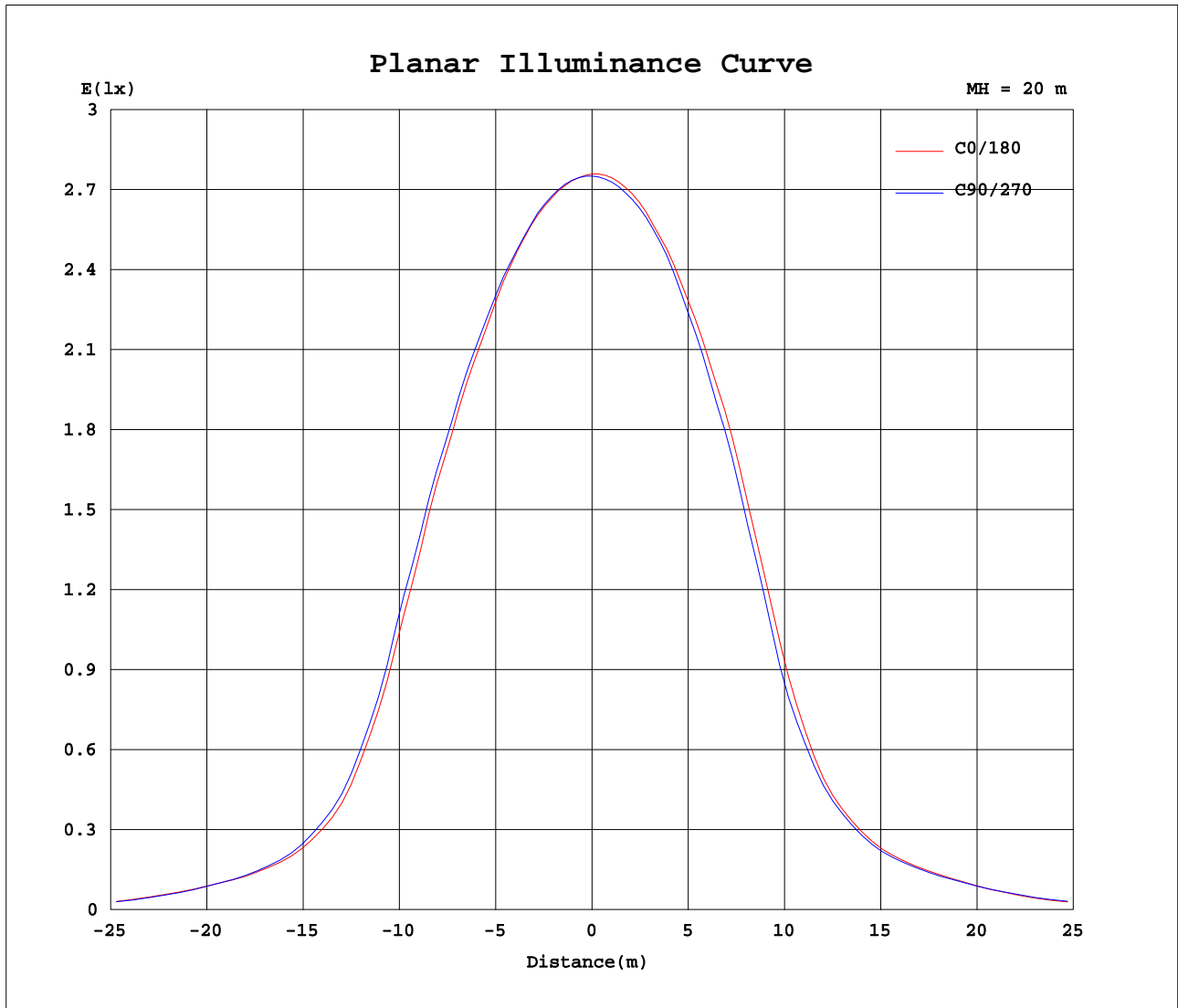
AvgL	cd/m2
L_0~180(65)av	8293
L_0~180(75)av	1344
L_0~180(85)av	1312
L_90~270(65)av	8419
L_90~270(75)av	1355
L_90~270(85)av	1262
L_45(65)av	7158
L_45(75)av	1325
L_45(85)av	1235

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-30

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: 2024-09-30

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:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 54D 3000K CRI90 NA 20240930 (Squ

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-21	TYPE:54D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	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	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101
5	1088	1089	1089	1090	1090	1093	1093	1094	1094	1096	1094	1095	1093	1092	1092	1091	1090	1089	1088
10	1052	1056	1055	1057	1054	1059	1057	1062	1060	1062	1058	1060	1055	1052	1054	1052	1052	1048	1050
15	977	991	990	994	988	996	994	999	992	992	981	985	982	982	984	970	962	952	962
20	858	889	895	893	866	877	883	906	894	875	832	839	853	868	871	836	810	781	818
25	657	745	755	728	651	657	695	762	745	665	569	569	611	688	707	615	532	492	567
30	400	534	568	479	370	367	430	555	526	412	318	316	353	446	484	369	305	283	332
35	219	311	344	268	207	204	239	316	313	241	195	193	213	237	247	219	188	176	204
40	141	163	160	158	133	134	147	159	154	156	142	140	146	129	115	142	136	132	142
45	100	88.2	68.7	99.9	95.9	95.8	99.6	75.1	68.4	106	102	101	101	63.9	50.1	91.4	97.6	97.1	100
50	58.4	38.9	28.6	55.9	57.1	58.1	55.2	32.1	28.9	58.2	55.7	56.7	53.1	28.5	25.5	47.7	56.4	57.6	57.2
55	29.7	18.8	15.9	28.7	30.3	31.2	28.2	17.0	15.6	28.7	29.9	30.5	27.4	15.6	14.9	24.2	30.4	30.8	30.6
60	16.5	10.1	8.95	14.9	16.7	17.2	15.0	9.14	8.36	14.6	16.0	16.5	14.5	8.02	7.95	11.8	16.4	16.3	16.5
65	6.55	4.51	4.02	5.93	6.57	6.95	5.68	3.92	3.53	5.42	5.76	6.08	5.08	3.17	3.29	4.07	5.94	5.84	6.13
70	1.76	1.52	1.39	1.73	1.75	1.86	1.54	1.32	1.18	1.43	1.41	1.45	1.25	1.03	1.12	1.24	1.49	1.47	1.56
75	0.65	0.63	0.62	0.63	0.63	0.62	0.60	0.56	0.55	0.55	0.56	0.56	0.51	0.50	0.50	0.53	0.55	0.58	0.57
80	0.43	0.41	0.41	0.41	0.42	0.41	0.40	0.38	0.38	0.37	0.38	0.37	0.32	0.31	0.30	0.32	0.33	0.35	0.34
85	0.22	0.20	0.21	0.20	0.23	0.21	0.21	0.19	0.19	0.19	0.21	0.20	0.16	0.16	0.15	0.16	0.16	0.17	0.16
90	0.21	0.21	0.20	0.22	0.21	0.24	0.22	0.22	0.21	0.22	0.21	0.23	0.19	0.17	0.17	0.17	0.19	0.18	0.19
95	0.27	0.26	0.24	0.28	0.30	0.31	0.28	0.28	0.25	0.28	0.29	0.31	0.26	0.22	0.23	0.23	0.26	0.24	0.25
100	0.38	0.37	0.35	0.38	0.40	0.43	0.39	0.38	0.36	0.39	0.39	0.42	0.36	0.33	0.34	0.34	0.36	0.35	0.35
105	0.55	0.54	0.54	0.55	0.57	0.59	0.56	0.56	0.56	0.55	0.56	0.58	0.52	0.54	0.54	0.51	0.52	0.52	0.51
110	0.82	0.83	0.85	0.82	0.83	0.83	0.83	0.86	0.89	0.85	0.84	0.83	0.81	0.87	0.87	0.83	0.79	0.79	0.80
115	1.29	1.31	1.32	1.28	1.26	1.23	1.28	1.33	1.38	1.33	1.32	1.30	1.29	1.37	1.37	1.35	1.26	1.27	1.29
120	2.01	1.97	2.00	1.95	1.95	1.91	1.98	2.00	2.05	2.03	2.07	2.05	2.00	2.08	2.06	2.07	2.00	2.03	2.01
125	2.94	2.85	2.88	2.83	2.89	2.84	2.91	2.87	2.95	2.93	3.04	3.03	2.94	2.99	2.95	3.02	2.98	3.03	2.95
130	4.02	3.91	3.94	3.89	3.99	3.96	4.02	3.94	4.00	4.00	4.15	4.18	4.06	4.08	4.04	4.14	4.12	4.19	4.06
135	5.27	5.12	5.14	5.09	5.21	5.20	5.25	5.16	5.20	5.22	5.38	5.43	5.30	5.31	5.28	5.38	5.38	5.43	5.30
140	6.58	6.41	6.40	6.37	6.53	6.50	6.55	6.48	6.53	6.52	6.72	6.74	6.61	6.62	6.60	6.71	6.70	6.74	6.60
145	7.84	7.69	7.65	7.65	7.80	7.80	7.87	7.79	7.81	7.80	7.99	8.04	7.90	7.88	7.86	8.00	8.00	8.04	7.88
150	8.98	8.81	8.78	8.81	8.96	8.99	9.06	8.98	8.95	8.95	9.13	9.21	9.03	8.97	8.99	9.15	9.15	9.20	9.02
155	9.82	9.70	9.69	9.73	9.88	9.98	10.0	9.92	9.86	9.88	10.0	10.1	9.93	9.85	9.87	9.97	10.0	10.1	9.96
160	10.4	10.3	10.4	10.4	10.5	10.6	10.6	10.6	10.5	10.6	10.7	10.7	10.6	10.5	10.5	10.5	10.6	10.7	10.6
165	10.7	10.7	10.7	10.9	10.9	11.0	11.0	11.0	10.9	11.0	10.9	11.0	11.0	10.9	10.9	10.9	10.9	10.9	10.9
170	11.1	11.1	11.0	11.0	11.1	11.1	11.2	11.2	11.1	11.1	11.2	11.3	11.2	11.2	11.3	11.2	11.1	11.0	11.0
175	11.4	11.4	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.5	11.5	11.5	11.5	11.5	11.6	11.6	11.5	11.4	11.3
180	11.7	11.7	11.6	11.7	11.7	11.7	11.6	11.6	11.6	11.7	11.7	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.6

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-09-30

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:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 54D 3000K CRI90 NA 20240930 (Squ

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-21	TYPE: 54D	WEIGHT: 1
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 46	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1101	1101	1101	1101	1101														
5	1087	1087	1086	1086	1087														
10	1048	1048	1046	1048	1048														
15	965	976	971	971	965														
20	845	868	859	846	830														
25	662	717	679	614	580														
30	424	512	434	348	315														
35	246	282	235	196	180														
40	143	128	140	132	125														
45	79.0	54.1	87.8	94.2	91.7														
50	35.1	26.6	46.8	53.1	53.0														
55	17.6	16.0	24.0	29.3	29.9														
60	9.21	9.05	12.2	16.9	16.9														
65	3.73	3.87	4.67	6.75	6.55														
70	1.28	1.30	1.47	1.72	1.61														
75	0.56	0.55	0.56	0.58	0.59														
80	0.34	0.33	0.35	0.37	0.38														
85	0.15	0.15	0.16	0.16	0.17														
90	0.16	0.17	0.17	0.19	0.17														
95	0.21	0.22	0.23	0.25	0.24														
100	0.32	0.33	0.33	0.37	0.36														
105	0.52	0.52	0.51	0.53	0.52														
110	0.85	0.84	0.80	0.77	0.77														
115	1.36	1.33	1.28	1.19	1.20														
120	2.06	2.01	1.99	1.88	1.89														
125	2.97	2.89	2.91	2.82	2.85														
130	4.05	3.96	4.01	3.94	3.97														
135	5.26	5.18	5.23	5.19	5.18														
140	6.55	6.47	6.52	6.47	6.47														
145	7.80	7.71	7.78	7.73	7.72														
150	8.93	8.83	8.87	8.83	8.83														
155	9.82	9.71	9.69	9.68	9.68														
160	10.4	10.3	10.2	10.2	10.3														
165	10.8	10.7	10.6	10.5	10.6														
170	11.0	11.0	10.9	10.9	10.8														
175	11.3	11.4	11.4	11.3	11.2														
180	11.5	11.6	11.7	11.7	11.6														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-09-30

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: