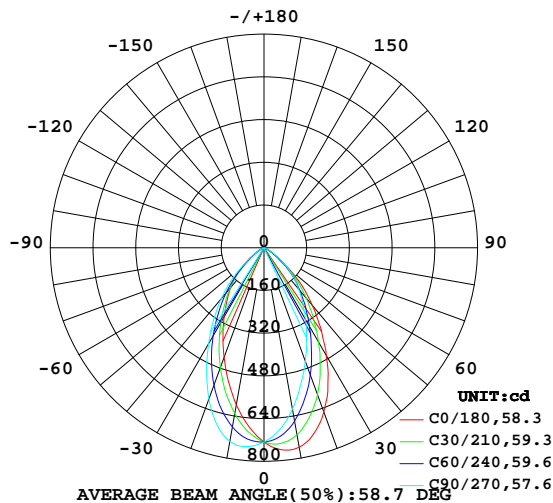


LUMINAIRE PHOTOMETRIC TEST REPORT

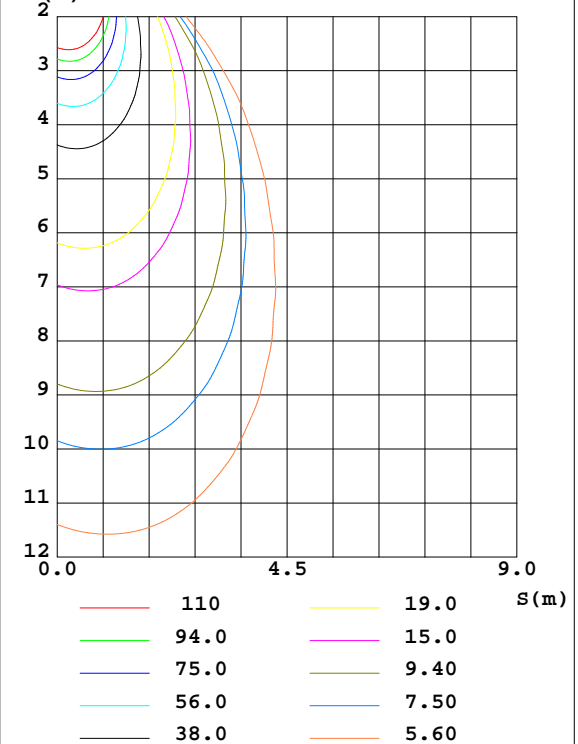
NAME: TLO015-21	TYPE:59D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.02 lm/W			
MODEL		Imax(cd)	781.8	S/MH(C0/180)	0.73
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.96
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	843.47	η UP,DN(C0-180)	1.2,46.1
NOMINAL FLUX(lm)	843.469	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,51.5
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	97.7	CIBSE SHR MAX	0.95

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:

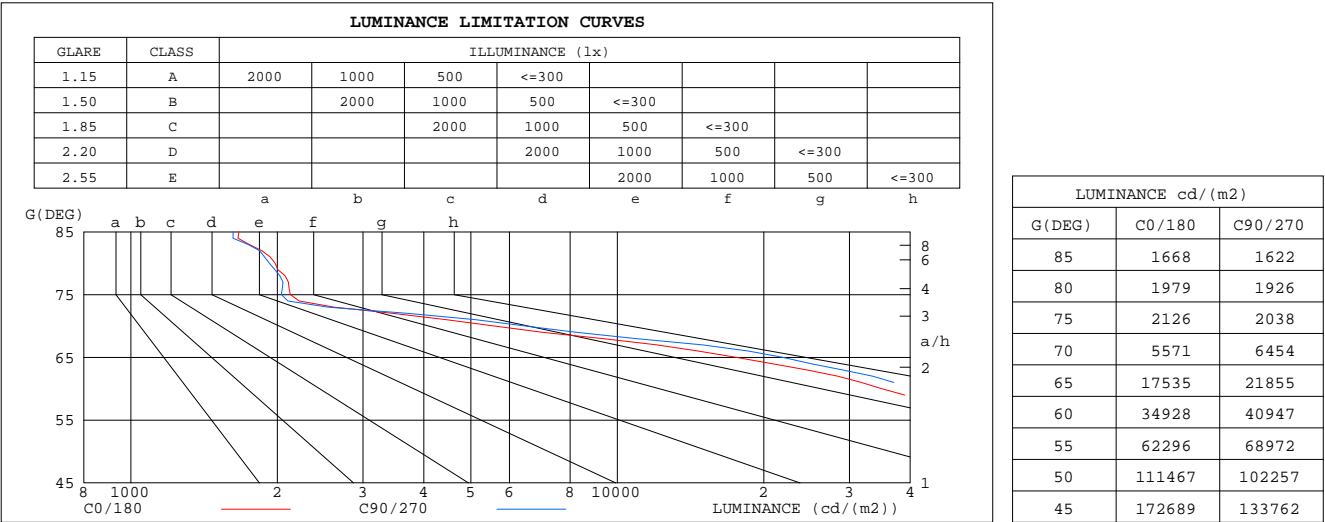
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	758.7	687.9	614.2	580.1	597.1	651.9	736.1	777.3	0- 10	67.00	67.00	7.94,7.94
20	655.2	545.5	452.5	407.0	437.4	508.2	603.0	666.7	10- 20	170.6	237.6	28.2,28.2
30	467.2	372.5	310.2	270.8	298.9	348.1	415.4	489.7	20- 30	207.1	444.7	52.7,52.7
40	282.5	224.3	202.9	175.5	194.2	206.9	249.0	302.9	30- 40	185.6	630.3	74.7,74.7
50	119.0	98.71	109.2	91.57	97.67	83.16	98.84	119.8	40- 50	127.4	757.7	89.8,89.8
60	29.01	26.37	34.03	27.73	28.70	22.58	25.62	29.38	50- 60	51.97	809.7	96.96
70	3.164	3.434	3.669	3.087	2.543	2.006	2.368	2.684	60- 70	12.66	822.3	97.5,97.5
80	0.5709	0.5880	0.5559	0.5391	0.4434	0.4233	0.4482	0.4808	70- 80	1.146	823.5	97.6,97.6
90	0.2496	0.2457	0.2387	0.2777	0.2434	0.2101	0.2479	0.2113	80- 90	0.2997	823.8	97.7,97.7
100	0.5697	0.5470	0.5966	0.6922	0.6260	0.5462	0.5645	0.5085	90-100	0.4209	824.2	97.7,97.7
110	1.148	1.180	1.357	1.545	1.422	1.228	1.140	1.059	100-110	0.9368	825.1	97.8,97.8
120	2.054	2.216	2.595	2.882	2.711	2.331	2.027	1.896	110-120	1.746	826.9	98.98
130	3.274	3.620	4.227	4.608	4.400	3.814	3.242	3.058	120-130	2.711	829.6	98.4,98.4
140	4.730	5.200	5.934	6.305	6.104	5.425	4.735	4.477	130-140	3.523	833.1	98.8,98.8
150	6.256	6.674	7.320	7.523	7.343	6.847	6.305	6.017	140-150	3.812	836.9	99.2,99.2
160	7.586	7.753	8.127	8.210	8.090	7.829	7.683	7.455	150-160	3.384	840.3	99.6,99.6
170	8.574	8.545	8.612	8.732	8.762	8.558	8.542	8.482	160-170	2.328	842.6	99.9,99.9
180	9.152	9.100	9.008	9.161	9.159	9.096	9.008	9.157	170-180	0.8394	843.5	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:59D	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

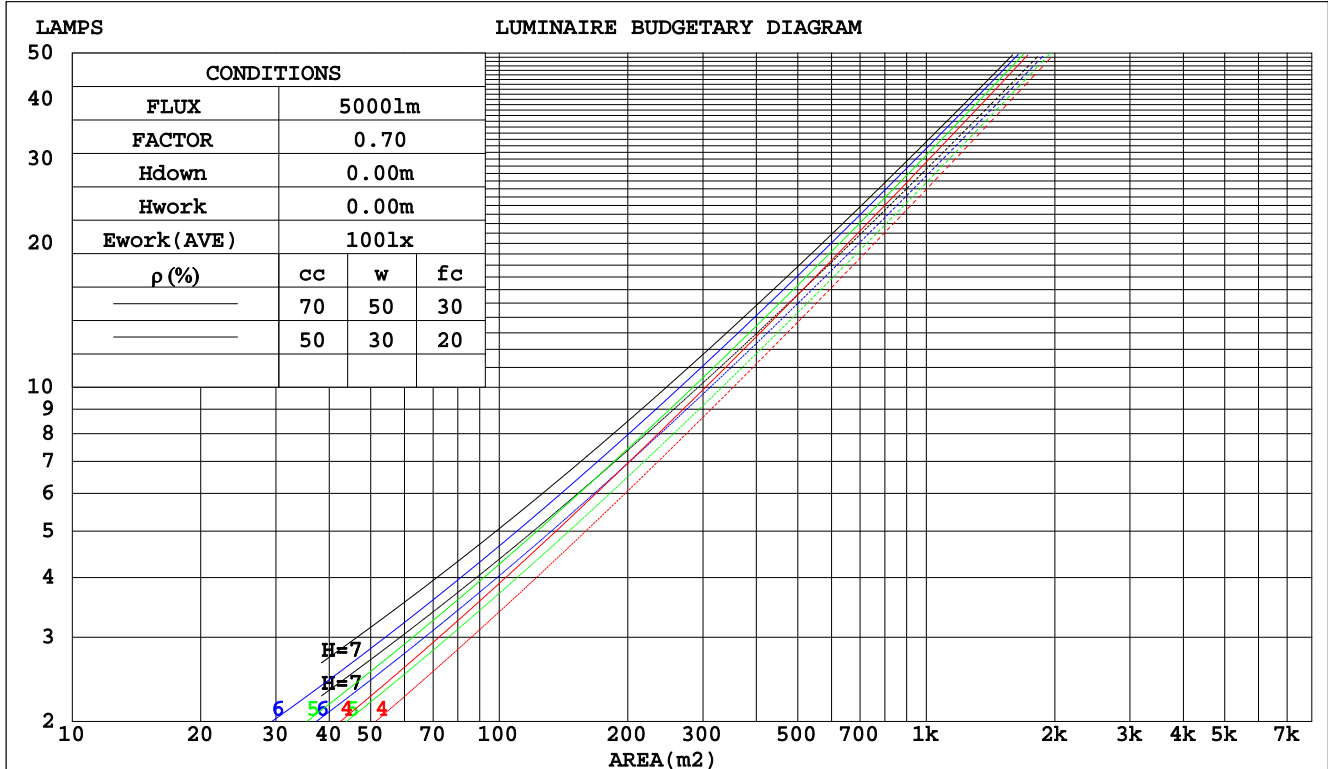
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 59D 3000K CRI90 NA 20240930 (Wal

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO015-21	TYPE:59D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	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	1.06	1.04	1.06	1.04	1.02	1.02	.00	.98	.98	.96	.95	.94	.93	.92	.90
2.0	.00	.95	.91	.98	.94	.90	.94	.91	.88	.91	.88	.85	.88	.85	.83	.81
3.0	.91	.86	.81	.90	.85	.80	.87	.82	.79	.84	.80	.77	.81	.78	.76	.74
4.0	.84	.78	.73	.83	.77	.72	.80	.75	.71	.78	.73	.70	.76	.72	.69	.67
5.0	.77	.71	.66	.76	.70	.65	.74	.69	.65	.72	.67	.64	.70	.66	.63	.61
6.0	.72	.65	.60	.71	.64	.60	.69	.63	.59	.67	.62	.58	.66	.61	.58	.56
7.0	.67	.60	.55	.66	.59	.55	.64	.58	.54	.63	.57	.54	.61	.57	.53	.52
8.0	.62	.55	.50	.61	.55	.50	.60	.54	.50	.59	.53	.50	.57	.53	.49	.48
9.0	.58	.51	.47	.57	.51	.47	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44
10.0	.54	.48	.43	.54	.47	.43	.53	.47	.43	.52	.46	.43	.51	.46	.42	.41



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 59D 3000K CRI90 NA 20240930 (Wal

WEC AND CCEC

NAME: TLO015-21	TYPE:59D	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	.203	.115	.037	.195	.111	.035	.181	.104	.033	.168	.097	.031	.156	.091	.029	
2.0	.197	.108	.033	.191	.105	.032	.179	.099	.031	.168	.094	.029	.157	.089	.028	
3.0	.189	.101	.030	.183	.098	.030	.173	.094	.028	.163	.089	.027	.154	.085	.026	
4.0	.180	.094	.028	.175	.092	.027	.166	.088	.026	.157	.084	.025	.149	.081	.025	
5.0	.171	.087	.025	.167	.086	.025	.159	.083	.024	.151	.080	.024	.144	.077	.023	
6.0	.163	.082	.023	.159	.080	.023	.152	.078	.023	.145	.075	.022	.138	.073	.022	
7.0	.155	.077	.022	.151	.075	.022	.145	.073	.021	.139	.071	.021	.133	.069	.020	
8.0	.147	.072	.020	.144	.071	.020	.138	.069	.020	.133	.067	.019	.128	.066	.019	
9.0	.140	.068	.019	.138	.067	.019	.132	.065	.019	.127	.064	.018	.123	.062	.018	
10.0	.134	.064	.018	.131	.064	.018	.127	.062	.017	.122	.061	.017	.118	.059	.017	

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	.208	.208	.208	.178	.178	.178	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.191	.175	.161	.163	.150	.138	.112	.103	.096	.064	.060	.056	.021	.019	.018	
2.0	.178	.150	.128	.152	.129	.110	.104	.090	.077	.060	.052	.045	.019	.017	.015	
3.0	.167	.132	.104	.143	.114	.090	.098	.079	.063	.057	.046	.037	.018	.015	.012	
4.0	.158	.118	.087	.136	.102	.075	.093	.071	.053	.054	.042	.031	.017	.014	.010	
5.0	.150	.107	.074	.129	.092	.065	.089	.064	.046	.052	.038	.027	.017	.012	.009	
6.0	.143	.098	.065	.123	.085	.056	.085	.059	.040	.049	.035	.024	.016	.011	.008	
7.0	.137	.090	.058	.118	.078	.050	.082	.055	.036	.047	.032	.021	.015	.011	.007	
8.0	.132	.084	.052	.113	.073	.045	.078	.051	.032	.046	.030	.019	.015	.010	.006	
9.0	.126	.079	.048	.109	.069	.042	.075	.048	.029	.044	.029	.018	.014	.009	.006	
10.0	.122	.075	.044	.105	.065	.039	.073	.046	.027	.042	.027	.016	.014	.009	.005	

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 59D 3000K CRI90 NA 20240930 (Wal

UGR(Unified Glare Rating) Table

NAME: TLO015-21					TYPE:59D			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		27.3	28.4	27.6	28.6	28.8	26.4	27.5	26.7	27.7	27.9
3H		27.1	28.1	27.4	28.4	28.6	26.3	27.3	26.6	27.5	27.8
4H		27.0	28.0	27.3	28.2	28.5	26.2	27.1	26.5	27.4	27.7
6H		26.9	27.8	27.3	28.1	28.4	26.1	26.9	26.4	27.2	27.5
8H		26.9	27.7	27.2	28.0	28.3	26.0	26.9	26.4	27.2	27.5
12H		26.8	27.6	27.2	28.0	28.3	26.0	26.8	26.3	27.1	27.4
4H	2H	27.1	28.0	27.4	28.3	28.6	26.2	27.2	26.5	27.4	27.7
	3H	26.9	27.7	27.3	28.1	28.4	26.1	26.9	26.5	27.2	27.6
	4H	26.8	27.6	27.2	27.9	28.3	26.0	26.7	26.4	27.1	27.4
	6H	26.7	27.4	27.2	27.8	28.2	25.9	26.5	26.3	26.9	27.3
	8H	26.7	27.3	27.1	27.7	28.1	25.9	26.4	26.3	26.8	27.3
8H	12H	26.6	27.2	27.1	27.6	28.0	25.8	26.3	26.3	26.8	27.2
	4H	26.7	27.3	27.1	27.7	28.1	25.9	26.4	26.3	26.8	27.3
	6H	26.6	27.1	27.1	27.5	28.0	25.8	26.2	26.2	26.7	27.1
	8H	26.5	27.0	27.0	27.4	27.9	25.7	26.1	26.2	26.6	27.1
	12H	26.5	26.8	27.0	27.3	27.8	25.6	26.0	26.2	26.5	27.0
12H	4H	26.6	27.2	27.1	27.6	28.0	25.8	26.3	26.3	26.8	27.2
	6H	26.5	27.0	27.0	27.4	27.9	25.7	26.1	26.2	26.6	27.1
	8H	26.5	26.8	27.0	27.3	27.8	25.6	26.0	26.2	26.5	27.0
Variations with the observer position at spacings:											
S = 1.0H		+ 2.1 / - 5.0				+ 1.8 / - 3.4					
1.5H		+ 2.4 / - 4.2				+ 1.4 / - 3.0					
2.0H		+ 5.0 / - 7.0				+ 3.9 / - 6.5					

CIE Pub.117, 843.5 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.6$)

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 59D 3000K CRI90 NA 20240930 (Wal

UTILIZATION FACTORS TABLE

NAME: TLO015-21	TYPE:59D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:

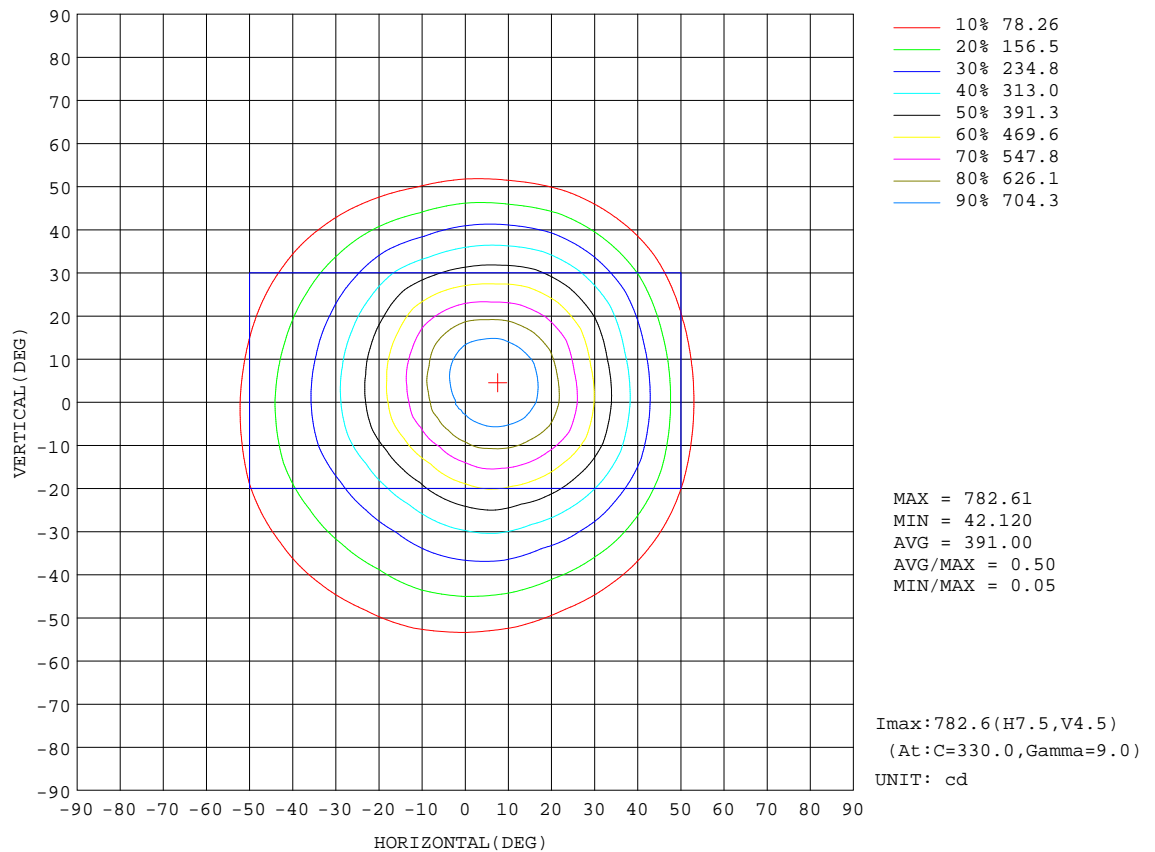
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	75	67	62	75	67	62	74	66	62	57
0.80	85	77	72	84	76	71	82	75	71	66
1.00	91	84	79	90	83	79	88	83	78	73
1.25	97	90	85	95	89	85	93	88	84	79
1.50	100	94	90	99	93	89	96	91	88	82
2.00	104	99	95	103	98	94	100	96	93	86
2.50	107	102	98	105	100	97	101	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	102	100	92
5.00	113	110	107	110	108	105	106	104	102	93
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
 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: TLO015-21	TYPE:59D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:



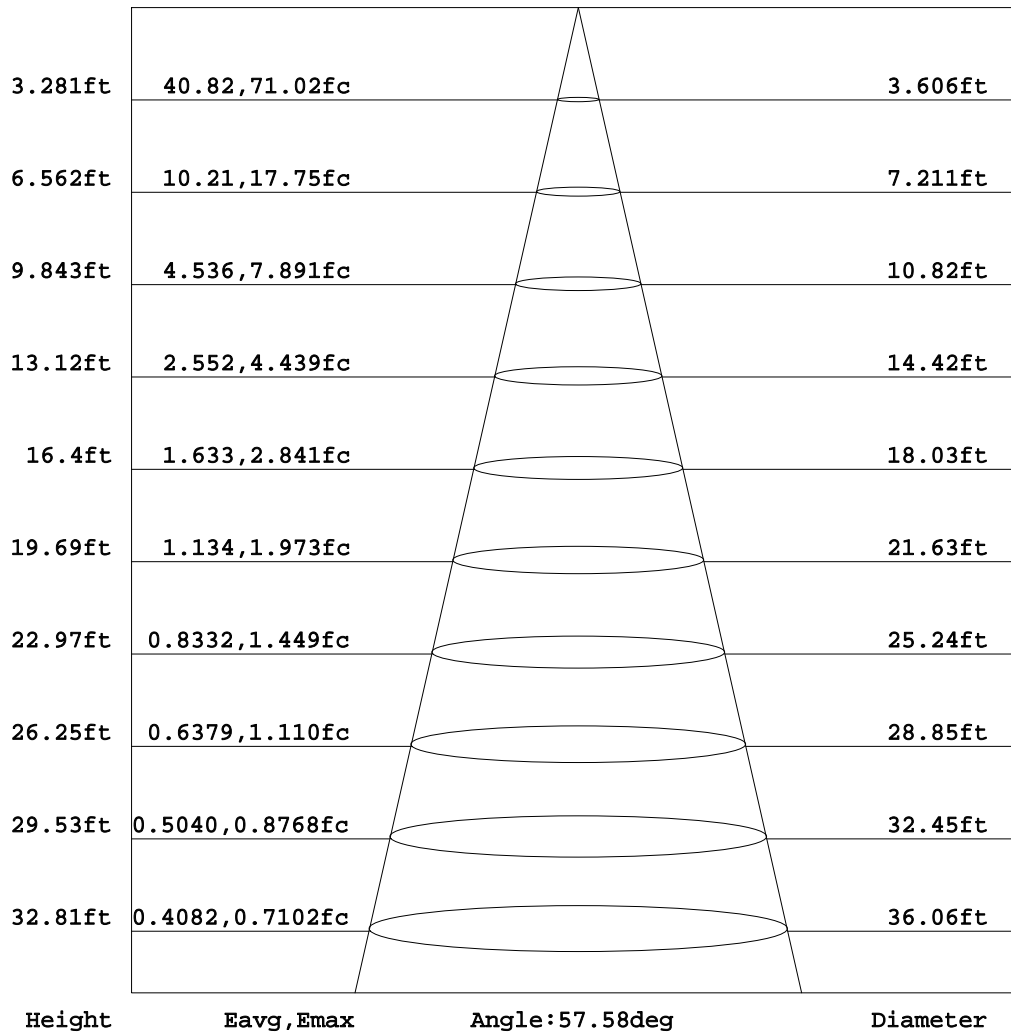
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-09-30

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:59D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:

Flux out:424.2 lm



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

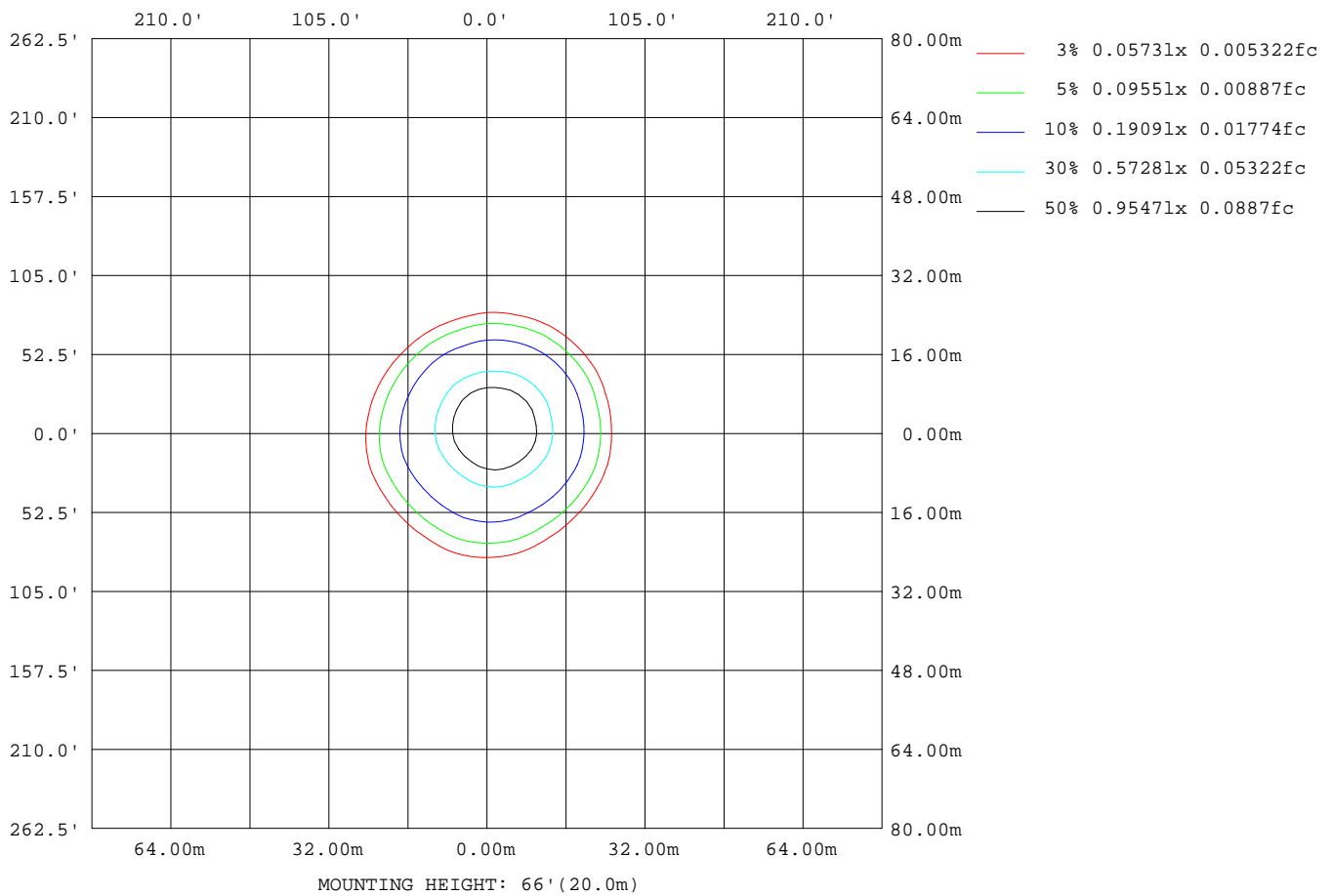
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-09-30

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 59D 3000K CRI90 NA 20240930 (Wal

ISOLUX DIAGRAM

NAME: TLO015-21	TYPE:59D	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:59D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:46	Shielding Angle:

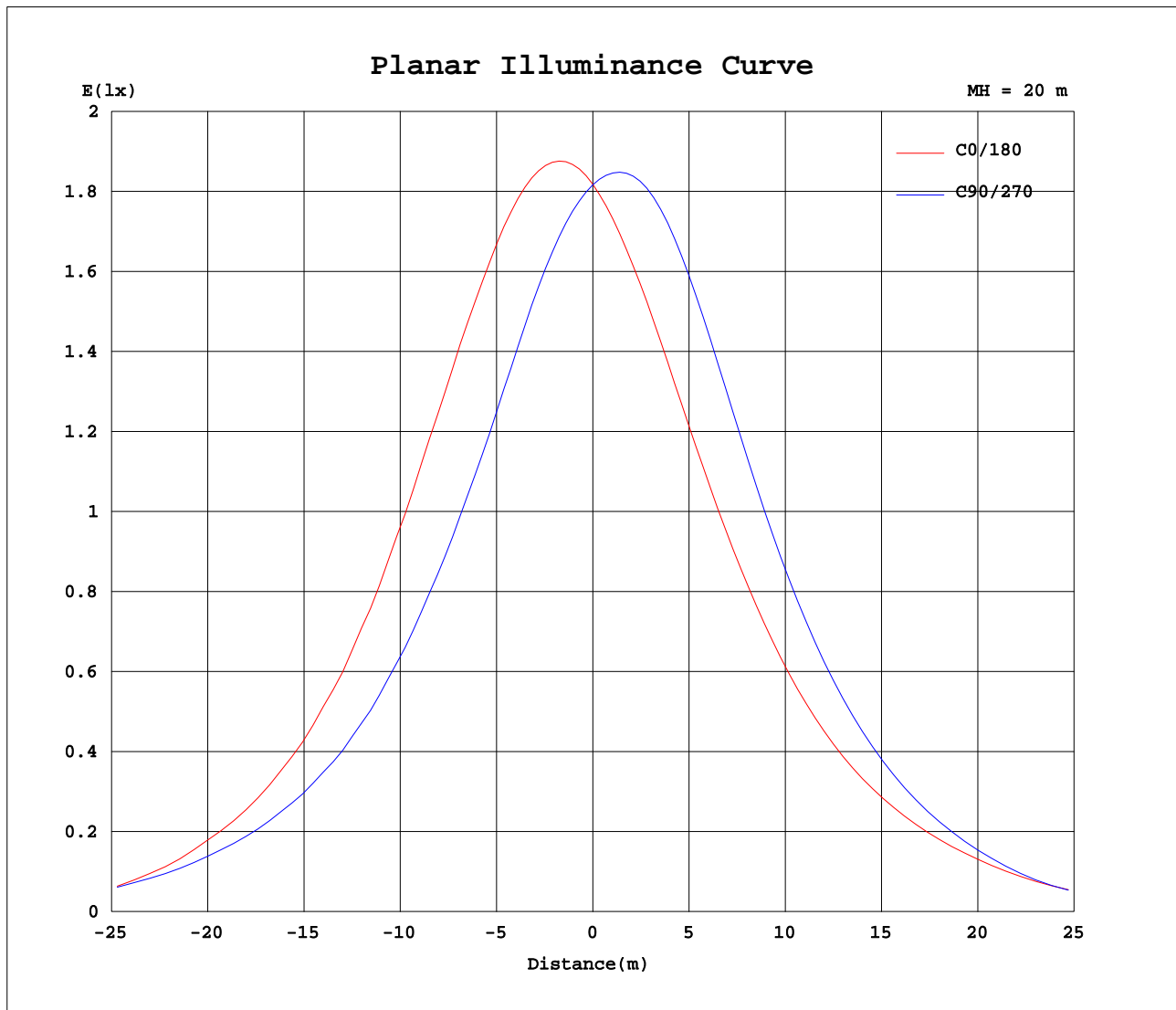
AvgL	cd/m2
L_0~180(65)av	17146
L_0~180(75)av	1958
L_0~180(85)av	1461
L_90~270(65)av	17964
L_90~270(75)av	1977
L_90~270(85)av	1439
L_45(65)av	15658
L_45(75)av	1999
L_45(85)av	1393

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 59D 3000K CRI90 NA 20240930 (Wal

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-21	TYPE:59D	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	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728
5	759	750	736	723	708	696	683	674	665	663	663	666	670	678	691	703	719	733	748
10	759	739	712	688	659	639	614	598	583	580	580	589	597	610	631	652	682	709	736
15	721	696	657	624	587	562	532	512	493	491	493	504	516	534	558	585	623	653	684
20	655	631	586	545	507	483	453	431	410	407	412	426	437	452	478	508	548	574	603
25	567	549	499	459	421	404	378	357	337	333	337	354	364	377	398	427	466	487	509
30	467	454	408	372	340	331	310	293	275	271	275	290	299	308	323	348	381	395	415
35	373	359	323	294	272	264	254	239	224	220	223	236	242	247	255	274	298	306	328
40	282	274	247	224	210	208	203	193	181	176	179	190	194	194	196	207	221	227	249
45	203	197	177	162	156	158	157	152	140	135	138	147	148	143	141	145	151	156	174
50	119	117	107	98.7	101	107	109	106	97.0	91.6	94.1	99.7	97.7	91.5	86.7	83.2	84.8	87.3	98.8
55	59.3	57.8	54.0	51.3	54.9	62.7	65.8	65.1	56.7	54.6	54.1	58.9	56.5	51.4	47.2	44.2	43.5	44.1	50.0
60	29.0	28.9	27.3	26.4	27.7	33.1	34.0	34.8	29.9	27.7	28.2	30.4	28.7	25.7	24.0	22.6	22.2	22.5	25.6
65	12.3	12.7	11.9	11.7	11.9	15.1	15.4	15.5	12.5	12.2	11.9	13.1	11.7	10.0	9.52	8.70	8.58	8.48	9.85
70	3.16	3.42	3.21	3.43	3.33	3.84	3.67	3.81	3.14	3.09	2.70	2.97	2.54	2.21	2.21	2.01	2.15	2.10	2.37
75	0.91	0.94	0.93	0.95	0.93	0.91	0.88	0.87	0.86	0.84	0.83	0.81	0.77	0.77	0.76	0.79	0.79	0.81	0.82
80	0.57	0.58	0.58	0.59	0.58	0.57	0.56	0.56	0.55	0.54	0.53	0.51	0.44	0.43	0.42	0.42	0.42	0.43	0.45
85	0.24	0.23	0.23	0.23	0.24	0.23	0.24	0.22	0.23	0.22	0.23	0.22	0.18	0.18	0.17	0.17	0.17	0.18	0.18
90	0.25	0.26	0.23	0.25	0.23	0.25	0.24	0.26	0.26	0.28	0.27	0.28	0.24	0.22	0.23	0.21	0.23	0.22	0.25
95	0.38	0.38	0.35	0.36	0.35	0.37	0.38	0.41	0.41	0.44	0.43	0.44	0.39	0.37	0.36	0.34	0.36	0.35	0.38
100	0.57	0.57	0.55	0.55	0.55	0.58	0.60	0.64	0.67	0.69	0.70	0.69	0.63	0.59	0.57	0.55	0.55	0.55	0.56
105	0.82	0.82	0.80	0.81	0.84	0.87	0.92	0.97	1.04	1.06	1.08	1.05	0.96	0.92	0.87	0.83	0.81	0.81	0.81
110	1.15	1.16	1.16	1.18	1.22	1.28	1.36	1.42	1.52	1.54	1.58	1.53	1.42	1.36	1.28	1.23	1.18	1.16	1.14
115	1.56	1.58	1.62	1.65	1.72	1.80	1.91	2.00	2.13	2.16	2.21	2.15	2.00	1.92	1.80	1.72	1.64	1.60	1.54
120	2.05	2.08	2.16	2.22	2.33	2.43	2.59	2.69	2.84	2.88	2.96	2.89	2.71	2.60	2.43	2.33	2.20	2.12	2.03
125	2.63	2.68	2.80	2.88	3.04	3.16	3.37	3.49	3.67	3.71	3.80	3.72	3.52	3.38	3.17	3.03	2.85	2.73	2.60
130	3.27	3.35	3.50	3.62	3.82	3.98	4.23	4.36	4.54	4.61	4.69	4.61	4.40	4.23	3.99	3.81	3.59	3.42	3.24
135	3.98	4.08	4.25	4.41	4.64	4.82	5.09	5.24	5.43	5.49	5.58	5.50	5.29	5.09	4.83	4.62	4.36	4.16	3.96
140	4.73	4.85	5.02	5.20	5.45	5.67	5.93	6.09	6.27	6.31	6.38	6.32	6.10	5.90	5.65	5.43	5.16	4.95	4.74
145	5.53	5.61	5.78	5.97	6.21	6.45	6.71	6.82	6.95	7.00	7.06	7.03	6.81	6.60	6.38	6.18	5.94	5.74	5.53
150	6.26	6.35	6.50	6.67	6.88	7.09	7.32	7.42	7.51	7.52	7.58	7.56	7.34	7.18	7.00	6.85	6.66	6.51	6.31
155	6.95	7.02	7.14	7.26	7.43	7.61	7.79	7.85	7.86	7.89	7.98	7.96	7.75	7.62	7.49	7.39	7.29	7.20	7.05
160	7.59	7.62	7.67	7.75	7.88	8.01	8.13	8.17	8.18	8.21	8.28	8.29	8.09	8.01	7.90	7.83	7.82	7.77	7.68
165	8.13	8.14	8.11	8.20	8.28	8.35	8.43	8.44	8.44	8.49	8.53	8.58	8.43	8.36	8.27	8.22	8.22	8.22	8.22
170	8.57	8.56	8.50	8.55	8.56	8.60	8.61	8.63	8.65	8.73	8.83	8.86	8.76	8.71	8.65	8.56	8.52	8.49	8.54
175	8.90	8.89	8.84	8.87	8.83	8.80	8.79	8.84	8.90	9.02	9.07	9.04	9.02	8.99	8.98	8.93	8.84	8.78	8.80
180	9.15	9.14	9.09	9.10	9.02	8.99	9.01	9.00	9.09	9.16	9.15	9.11	9.16	9.14	9.11	9.10	9.02	8.99	9.01

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 59D 3000K CRI90 NA 20240930 (Wal

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-21	TYPE:59D	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	728	728	728	728	728													
5	758	767	770	771	765													
10	755	772	777	780	769													
15	704	729	738	747	732													
20	620	653	667	676	661													
25	527	561	580	587	569													
30	437	472	490	495	471													
35	351	381	395	398	375													
40	269	291	303	306	286													
45	188	204	212	218	204													
50	107	116	120	127	119													
55	53.6	58.2	59.8	61.0	59.6													
60	27.1	29.4	29.4	30.3	29.1													
65	10.2	11.8	11.4	12.4	11.9													
70	2.36	2.78	2.68	2.91	2.80													
75	0.84	0.85	0.86	0.85	0.84													
80	0.46	0.48	0.48	0.49	0.50													
85	0.20	0.18	0.18	0.18	0.18													
90	0.23	0.23	0.21	0.22	0.22													
95	0.35	0.36	0.33	0.34	0.34													
100	0.55	0.53	0.51	0.52	0.51													
105	0.80	0.77	0.74	0.76	0.76													
110	1.12	1.07	1.06	1.06	1.07													
115	1.51	1.45	1.44	1.43	1.45													
120	1.99	1.92	1.90	1.89	1.91													
125	2.53	2.46	2.44	2.43	2.46													
130	3.15	3.08	3.06	3.04	3.08													
135	3.85	3.77	3.75	3.73	3.76													
140	4.60	4.51	4.48	4.46	4.50													
145	5.37	5.28	5.24	5.22	5.26													
150	6.17	6.07	6.02	5.99	6.03													
155	6.93	6.83	6.77	6.75	6.78													
160	7.60	7.53	7.46	7.45	7.47													
165	8.15	8.11	8.02	8.02	8.05													
170	8.53	8.55	8.48	8.52	8.51													
175	8.83	8.93	8.89	8.88	8.85													
180	8.99	9.11	9.16	9.15	9.10													

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: