

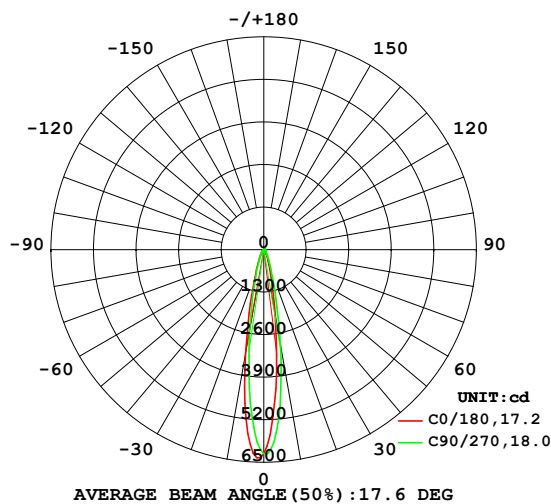
TLO015-21 36V350mA CXM-9-30-90-36-AA40 17.6D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

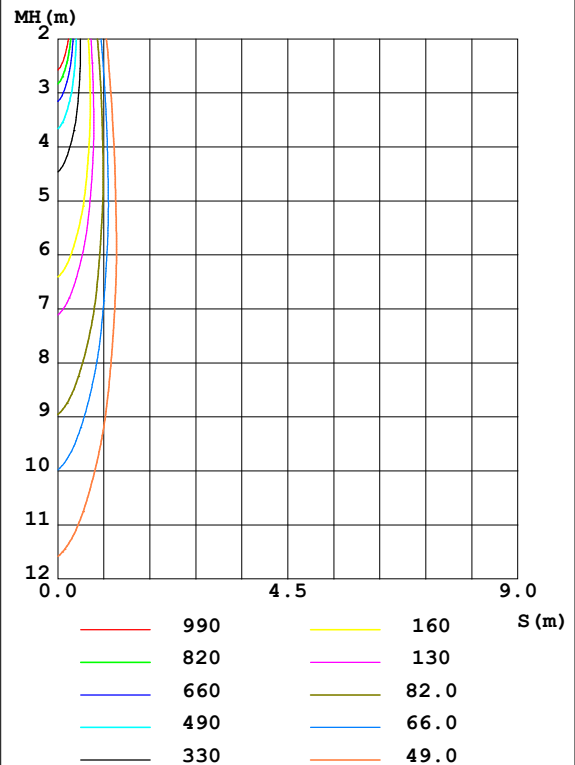
NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.41 lm/W
MODEL		Imax(cd)	6619	S/MH(C0/180)	0.35	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.29	
RATED VOLTAGE(V)	110	TOTAL FLUX(lm)	1123.1	η UP,DN(C0-180)	1.2,50.4	
NOMINAL FLUX(lm)	1123.12	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,47.2	
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	110	η down(%)	97.5	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-15

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 17.6D 3000K CRI90 NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2027	2104	2959	3970	3234	3310	2492	1816	0- 10	400.1	400.1	35.6, 35.6
20	440.3	478.4	663.9	789.1	665.3	730.6	581.3	421.9	10- 20	359.5	759.6	67.6, 67.6
30	162.5	180.1	236.2	257.6	224.6	252.2	211.6	159.1	20- 30	161.4	921.0	82, 82
40	69.69	76.93	98.05	103.7	90.55	100.6	86.73	67.88	30- 40	85.52	1007	89.6, 89.6
50	35.53	38.06	45.53	46.79	42.23	46.44	42.06	34.93	40- 50	46.17	1053	93.7, 93.7
60	16.34	17.50	22.19	24.23	21.78	23.24	20.53	16.31	50- 60	26.41	1079	96.1, 96.1
70	4.879	5.156	8.081	10.20	8.726	9.317	7.024	4.110	60- 70	13.23	1092	97.3, 97.3
80	0.2868	0.2981	0.3500	0.7716	0.4314	0.4329	0.3560	0.2279	70- 80	2.916	1095	97.5, 97.5
90	0.2993	0.3200	0.3238	0.3048	0.2471	0.2562	0.3032	0.3063	80- 90	0.3139	1096	97.5, 97.5
100	0.4604	0.4965	0.4764	0.4020	0.3855	0.4065	0.4745	0.4852	90-100	0.3934	1096	97.6, 97.6
110	0.7492	0.8164	0.7699	0.6387	0.6117	0.6583	0.7731	0.7915	100-110	0.6041	1097	97.6, 97.6
120	1.423	1.571	1.415	1.128	1.058	1.156	1.405	1.510	110-120	0.9676	1098	97.7, 97.7
130	3.564	3.908	3.307	2.527	2.418	2.629	3.408	3.974	120-130	1.841	1099	97.9, 97.9
140	9.188	9.722	8.708	7.051	6.934	7.362	9.083	10.07	130-140	4.236	1104	98.3, 98.3
150	13.93	14.65	14.60	13.33	12.73	13.36	14.75	14.87	140-150	7.146	1111	98.9, 98.9
160	14.96	15.69	16.74	15.98	15.24	15.91	16.80	15.56	150-160	7.013	1118	99.5, 99.5
170	11.35	12.11	14.33	14.31	13.56	14.02	13.77	11.38	160-170	4.257	1122	99.9, 99.9
180	9.351	10.42	10.93	10.20	9.374	10.38	10.87	10.23	170-180	1.112	1123	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

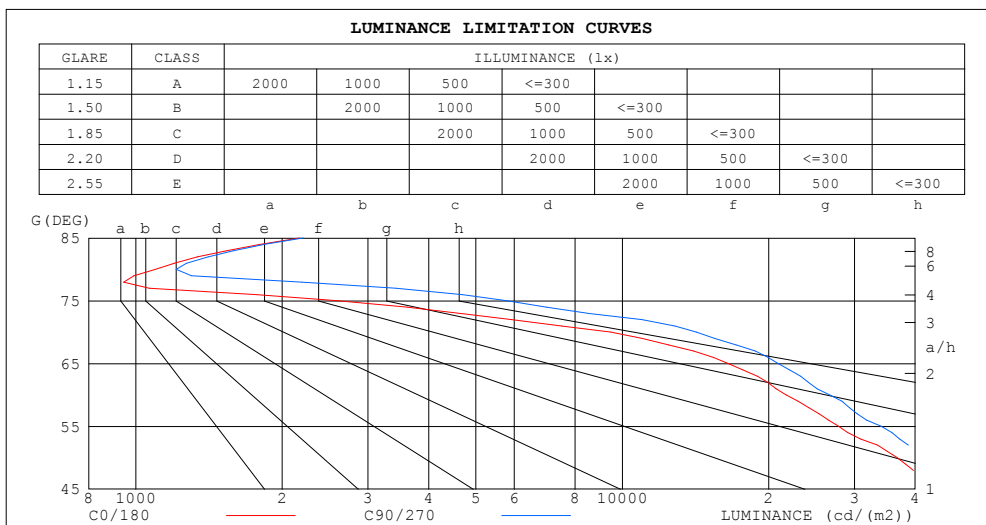
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-15

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 17.6D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2171	2207
80	1097	1211
75	2604	5793
70	9472	14198
65	16492	20891
60	21701	26672
55	27841	34056
50	36697	42566
45	45682	55229

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-15

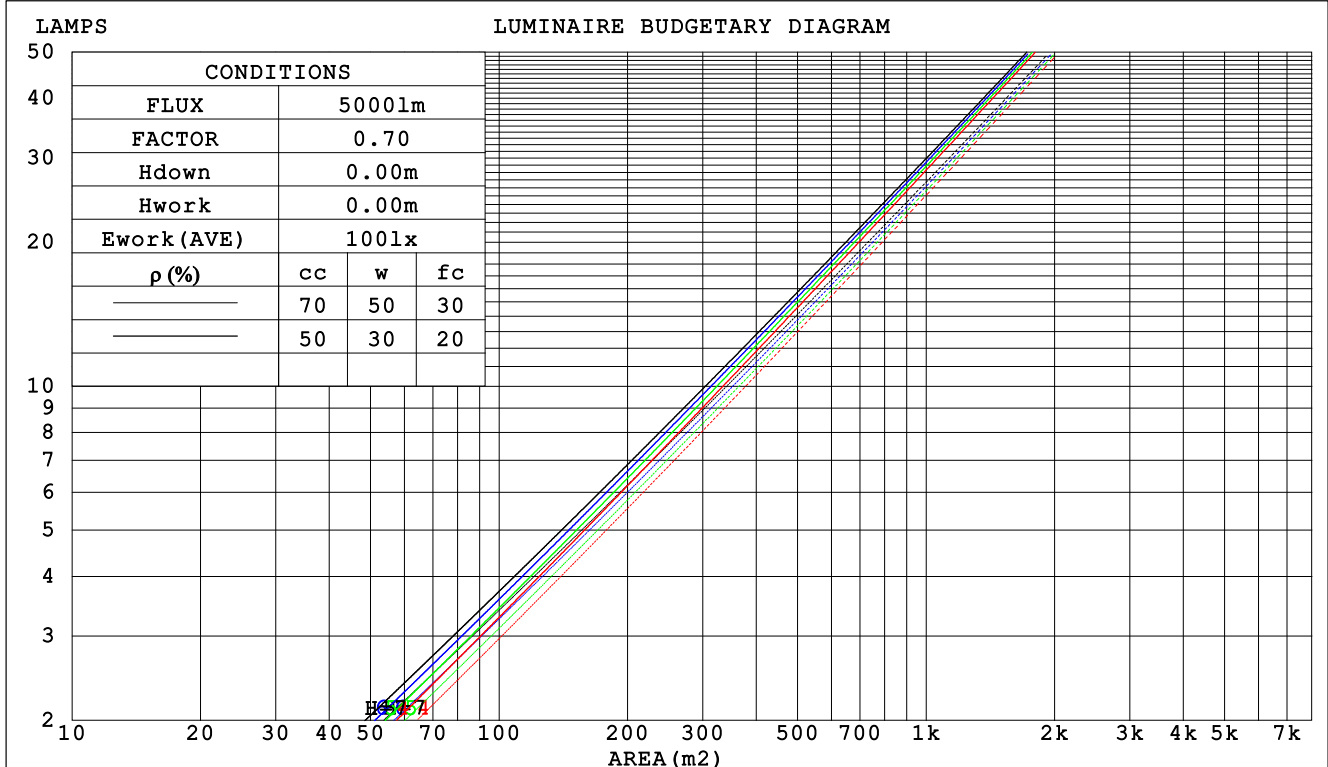
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 17.6D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.00	.99	.98	.97	.96	.95	.93
2.0	1.05	1.02	.99	1.03	1.00	.98	.00	.97	.95	.96	.94	.93	.93	.92	.91	.89
3.0	.00	.96	.92	.98	.94	.91	.95	.92	.90	.93	.90	.88	.90	.88	.86	.85
4.0	.95	.91	.87	.94	.90	.86	.91	.88	.85	.89	.86	.84	.87	.85	.83	.81
5.0	.91	.86	.83	.90	.86	.82	.88	.84	.81	.86	.83	.80	.84	.82	.80	.78
6.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.83	.80	.77	.82	.79	.77	.75
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.77	.75	.79	.76	.74	.73
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
9.0	.78	.74	.71	.78	.73	.71	.77	.73	.70	.76	.72	.70	.75	.72	.69	.68
10.0	.76	.71	.68	.75	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.68	.67



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-15

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 17.6D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	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	.154	.088	.028	.147	.084	.027	.133	.076	.024	.120	.069	.022	.108	.063	.020	
2.0	.145	.079	.024	.138	.076	.023	.127	.071	.022	.116	.065	.020	.106	.060	.019	
3.0	.135	.072	.022	.130	.070	.021	.120	.065	.020	.111	.061	.019	.103	.057	.018	
4.0	.127	.066	.019	.123	.064	.019	.114	.060	.018	.106	.057	.017	.099	.054	.016	
5.0	.120	.061	.018	.116	.059	.017	.108	.056	.017	.101	.053	.016	.095	.051	.015	
6.0	.113	.057	.016	.109	.055	.016	.103	.053	.015	.097	.050	.015	.091	.048	.014	
7.0	.107	.053	.015	.104	.052	.015	.098	.049	.014	.093	.047	.014	.087	.045	.013	
8.0	.101	.049	.014	.098	.048	.014	.093	.047	.013	.089	.045	.013	.084	.043	.013	
9.0	.096	.047	.013	.094	.046	.013	.089	.044	.013	.085	.043	.012	.081	.041	.012	
10.0	.092	.044	.012	.090	.043	.012	.085	.042	.012	.082	.041	.012	.078	.039	.011	

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	.188	.176	.166	.161	.151	.142	.110	.104	.099	.063	.060	.057	.020	.019	.019		
2.0	.172	.152	.135	.147	.131	.117	.101	.090	.081	.058	.053	.048	.019	.017	.016		
3.0	.158	.132	.112	.135	.114	.097	.093	.079	.068	.054	.046	.040	.017	.015	.013		
4.0	.146	.117	.096	.125	.101	.083	.086	.071	.059	.050	.041	.035	.016	.013	.011		
5.0	.136	.105	.083	.117	.091	.072	.080	.064	.051	.047	.037	.030	.015	.012	.010		
6.0	.127	.096	.073	.109	.083	.064	.076	.058	.045	.044	.034	.027	.014	.011	.009		
7.0	.120	.088	.065	.103	.076	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008		
8.0	.113	.081	.059	.098	.070	.051	.068	.049	.036	.039	.029	.022	.013	.010	.007		
9.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007		
10.0	.103	.071	.050	.089	.062	.043	.061	.043	.031	.036	.026	.018	.012	.008	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-15

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 17.6D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO015-21					TYPE:17.6D			WEIGHT:1		
SPEC.:3000K CRI90					DIM.:			SERIAL No.:		
MFR.:					SUR.:45			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	18.3	19.0	18.6	19.2	19.4	19.2	20.0	19.5	20.2	20.3
3H	18.5	19.2	18.8	19.4	19.6	19.5	20.2	19.8	20.4	20.6
4H	18.4	19.1	18.7	19.3	19.6	19.5	20.1	19.8	20.4	20.6
6H	18.3	18.9	18.7	19.2	19.5	19.4	20.0	19.7	20.3	20.5
8H	18.3	18.9	18.6	19.2	19.5	19.3	19.9	19.7	20.2	20.5
12H	18.2	18.8	18.6	19.1	19.4	19.3	19.8	19.6	20.1	20.5
4H 2H	18.4	19.1	18.7	19.3	19.6	19.3	19.9	19.6	20.2	20.4
3H	18.6	19.2	19.0	19.5	19.8	19.5	20.1	19.9	20.4	20.7
4H	18.6	19.1	18.9	19.4	19.8	19.5	20.0	19.9	20.4	20.7
6H	18.4	18.9	18.9	19.3	19.7	19.4	19.9	19.8	20.2	20.6
8H	18.4	18.8	18.8	19.2	19.6	19.3	19.8	19.8	20.2	20.6
12H	18.3	18.7	18.8	19.1	19.6	19.3	19.7	19.7	20.1	20.5
8H 4H	18.4	18.8	18.8	19.2	19.7	19.4	19.8	19.8	20.2	20.6
6H	18.3	18.7	18.8	19.1	19.6	19.2	19.6	19.7	20.0	20.5
8H	18.2	18.6	18.7	19.0	19.5	19.2	19.5	19.7	20.0	20.4
12H	18.2	18.5	18.7	18.9	19.5	19.1	19.4	19.6	19.9	20.4
12H 4H	18.4	18.8	18.8	19.2	19.6	19.3	19.7	19.7	20.1	20.5
6H	18.2	18.6	18.7	19.0	19.5	19.2	19.5	19.7	20.0	20.4
8H	18.2	18.5	18.7	18.9	19.5	19.1	19.4	19.6	19.9	20.4
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.9					+ 1.6 / - 1.9				
1.5H	+ 1.4 / - 1.2					+ 2.3 / - 1.5				
2.0H	+ 2.1 / - 1.9					+ 2.5 / - 2.1				

CIE Pub.117, 1123 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.4)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-15

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 17.6D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	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) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	75	84	78	74	83	78	74	70
0.80	93	86	83	92	86	82	90	85	82	78
1.00	97	91	88	96	91	87	94	90	87	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	100	97	94	89
2.00	107	103	99	106	102	99	102	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	105	103	105	102	100	93
4.00	113	110	108	111	108	106	106	105	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					SHRNOM = 1.25		

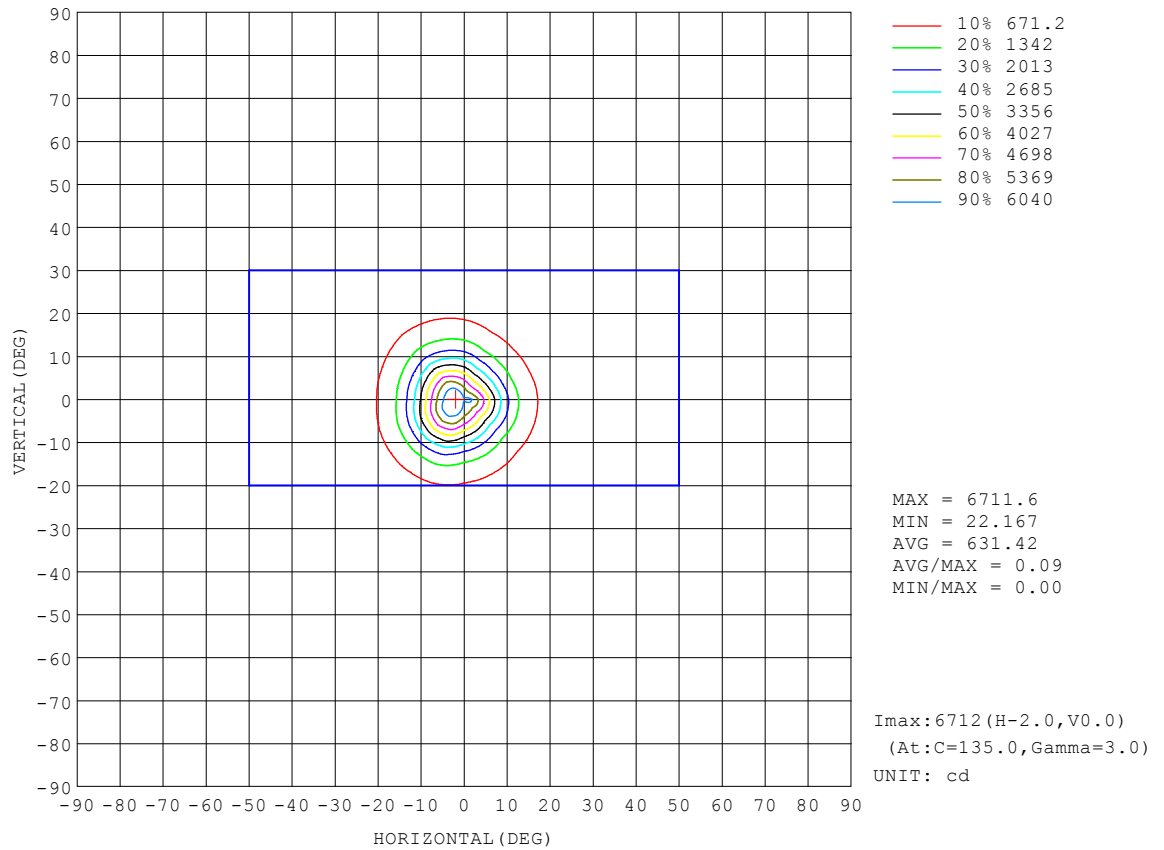
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 Remarks:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 17.6D 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:



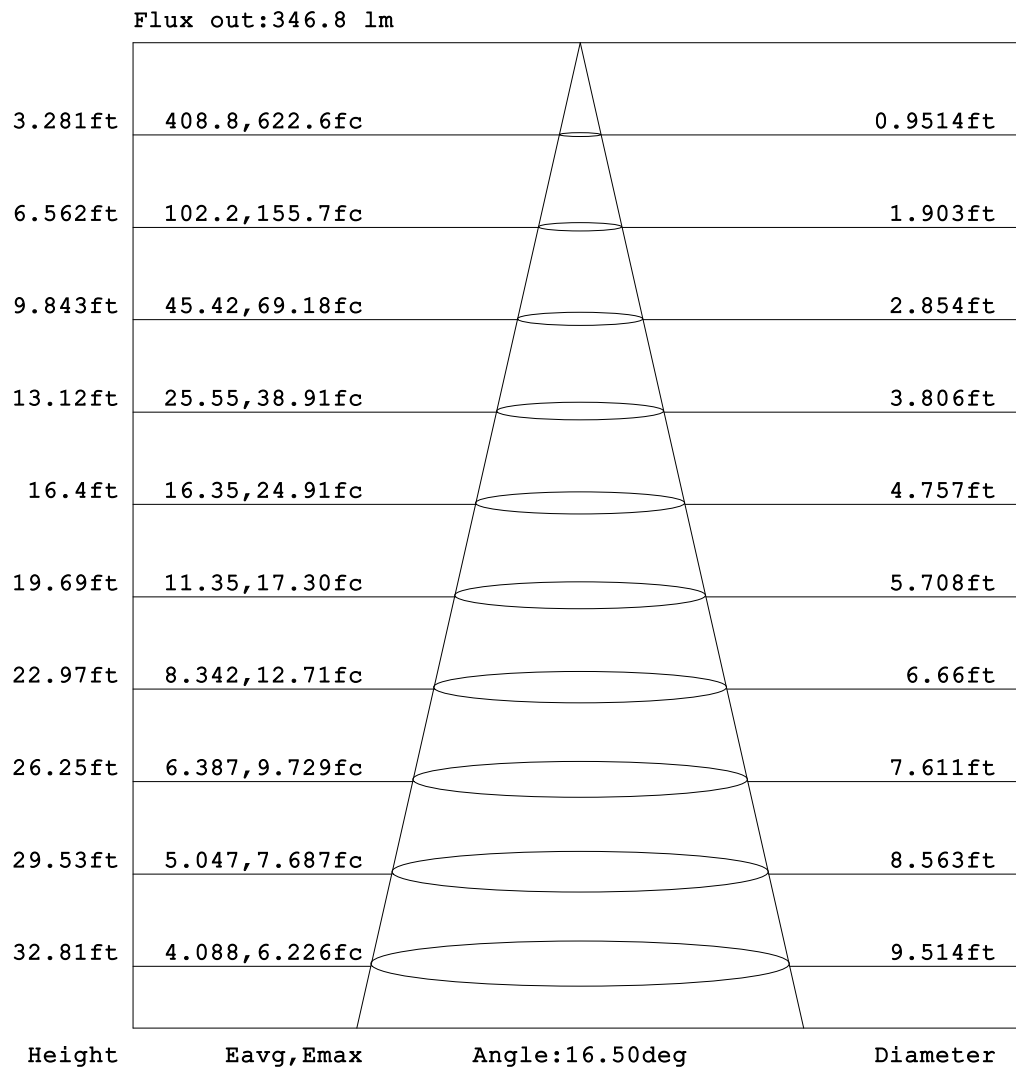
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Remarks:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 17.6D 3000K CRI90 NA

AAI Figure

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:



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

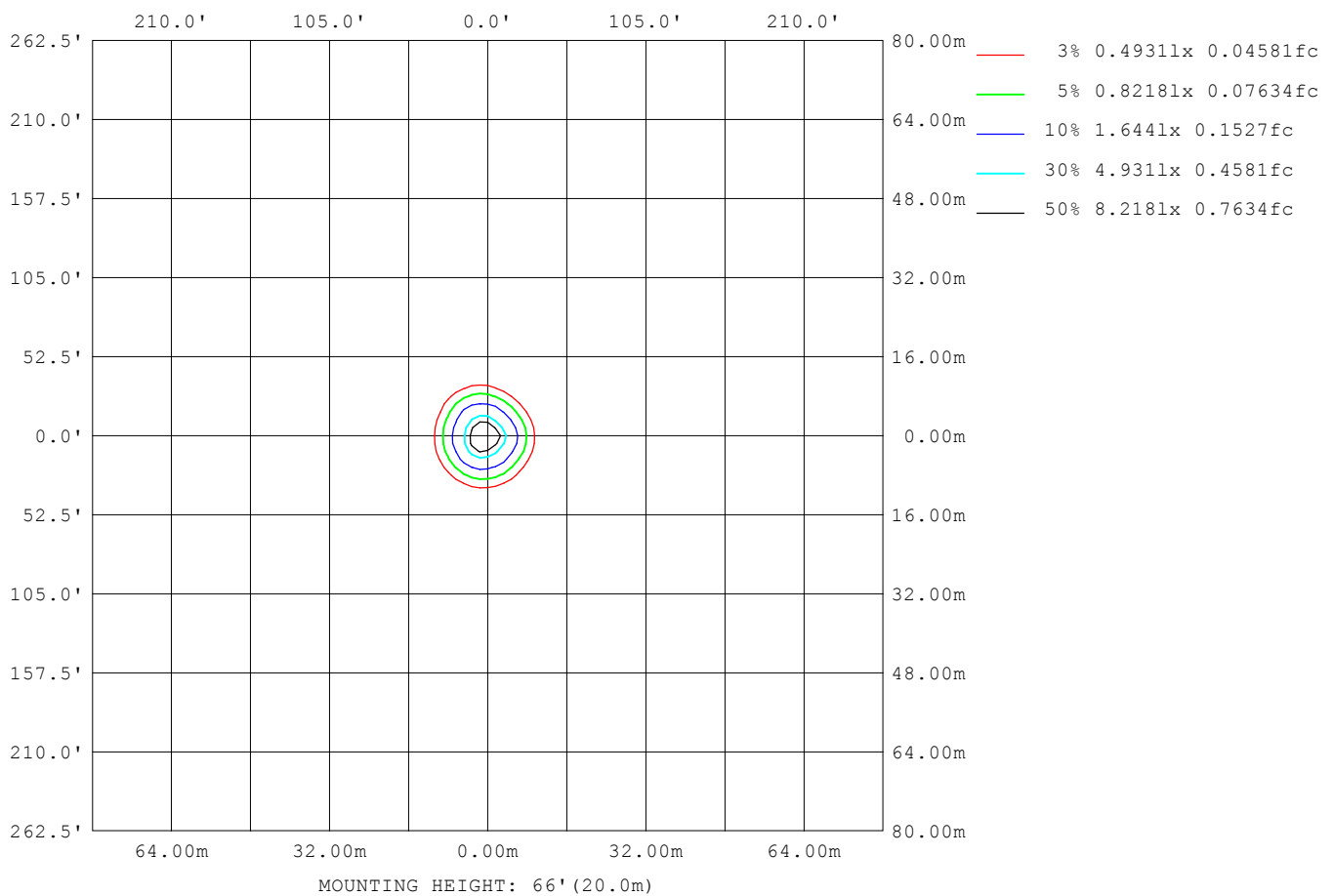
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TLO015-21 36V350mA CXM-9-30-90-36-AA40 17.6D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:



C Range: 0 - 360DEG
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Remarks:

TLO015-21 36V350mA CXM-9-30-90-36-AA40 17.6D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:

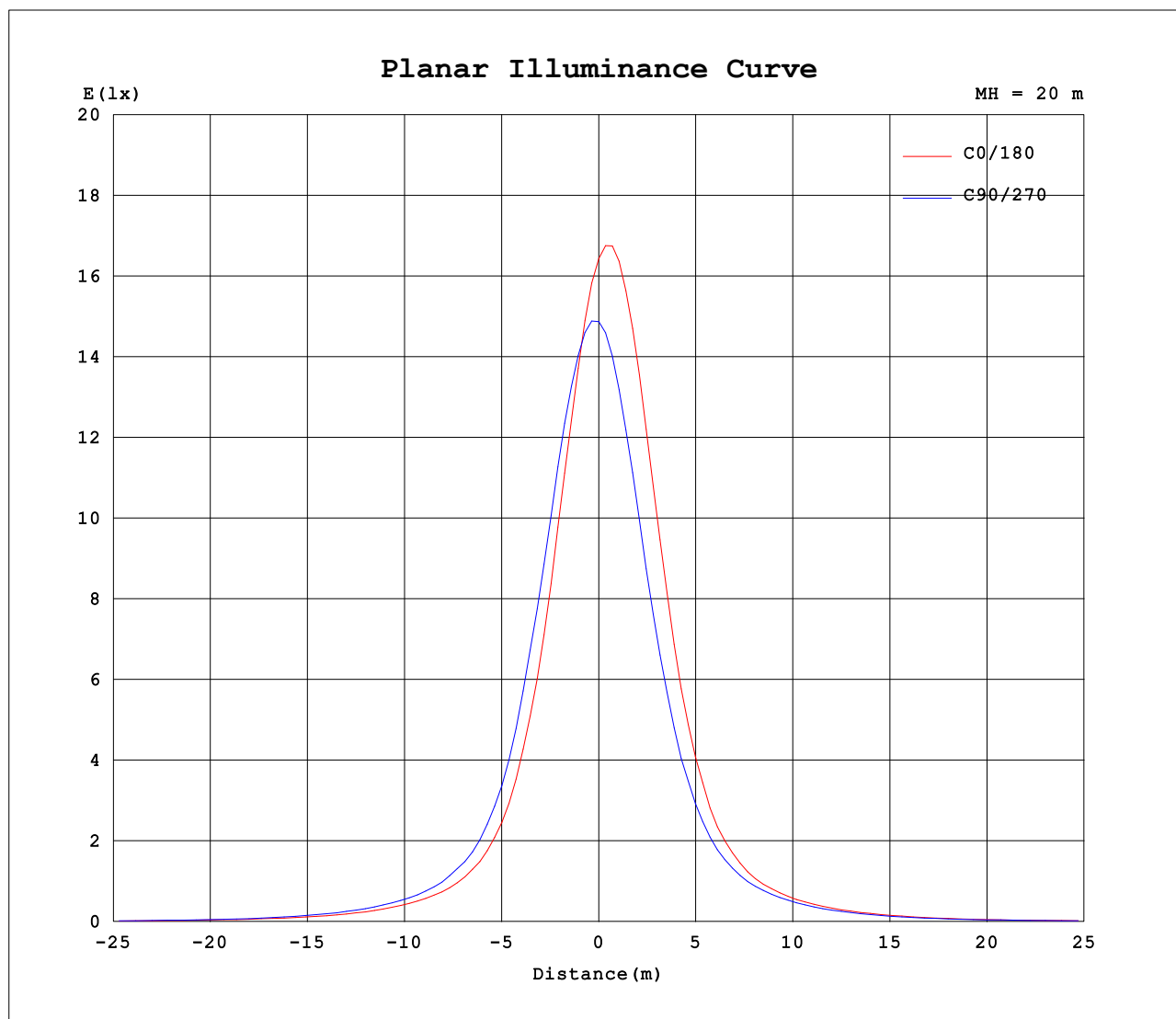
AvgL	cd/m2
L_0~180 (65) av	18725
L_0~180 (75) av	5063
L_0~180 (85) av	1853
L_90~270 (65) av	21004
L_90~270 (75) av	5274
L_90~270 (85) av	2099
L_45 (65) av	19899
L_45 (75) av	5671
L_45 (85) av	1967

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-15

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: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-15

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 17.6D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO015-21	TYPE:17.6D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	6232	6232	6232	6232	6232	6232	6232	6232	6232	6232	6232	6232	6232	6232	6232	6232			
5	4266	4308	4318	4729	5237	5973	6256	6088	5642	5601	5658	5174	4717	4135	3916	3990			
10	2027	2085	2104	2491	2959	3737	3970	3748	3234	3185	3310	2864	2492	1996	1816	1831			
15	878	911	928	1127	1331	1755	1794	1674	1452	1429	1539	1335	1156	906	810	801			
20	440	456	478	569	664	776	789	745	665	671	731	665	581	466	422	417			
25	260	269	285	339	376	422	423	403	366	372	410	387	339	276	254	251			
30	163	168	180	214	236	259	258	247	225	227	252	240	212	172	159	158			
35	105	107	116	137	150	163	163	155	141	143	158	152	136	110	102	101			
40	69.7	71.3	76.9	87.8	98.1	104	104	99.0	90.5	92.2	101	97.6	86.7	72.9	67.9	68.3			
45	48.7	49.8	52.8	59.7	65.0	68.2	68.1	65.1	60.4	61.7	66.7	64.7	59.0	50.2	48.1	47.9			
50	35.5	36.1	38.1	42.3	45.5	47.2	46.8	45.1	42.2	43.0	46.4	45.4	42.1	36.1	34.9	34.7			
55	24.1	24.7	25.7	29.0	32.5	33.7	33.7	32.6	30.7	31.3	33.5	32.5	29.8	25.0	24.0	23.5			
60	16.3	16.9	17.5	20.0	22.2	23.7	24.2	23.5	21.8	21.8	23.2	22.2	20.5	17.1	16.3	16.0			
65	10.5	10.9	11.2	13.2	14.7	16.0	16.5	16.0	14.7	14.7	15.7	14.7	13.5	10.8	10.1	9.96			
70	4.88	5.11	5.16	6.72	8.08	9.72	10.2	9.89	8.73	8.62	9.32	8.15	7.02	4.80	4.11	4.06			
75	1.02	1.15	1.11	1.81	2.50	3.72	4.19	4.05	3.15	3.05	3.32	2.51	1.84	0.97	0.71	0.71			
80	0.29	0.28	0.30	0.31	0.35	0.61	0.77	0.75	0.43	0.38	0.43	0.28	0.36	0.24	0.23	0.22			
85	0.29	0.29	0.30	0.31	0.32	0.31	0.30	0.34	0.23	0.23	0.24	0.25	0.26	0.25	0.25	0.23			
90	0.30	0.32	0.32	0.34	0.32	0.32	0.30	0.29	0.25	0.23	0.26	0.26	0.30	0.29	0.31	0.27			
95	0.37	0.39	0.40	0.42	0.39	0.37	0.33	0.34	0.31	0.29	0.32	0.33	0.38	0.37	0.39	0.35			
100	0.46	0.49	0.50	0.51	0.48	0.45	0.40	0.41	0.39	0.37	0.41	0.42	0.47	0.47	0.49	0.44			
105	0.58	0.61	0.63	0.64	0.60	0.56	0.50	0.51	0.49	0.47	0.52	0.54	0.60	0.61	0.61	0.57			
110	0.75	0.78	0.82	0.82	0.77	0.70	0.64	0.64	0.61	0.61	0.66	0.71	0.77	0.79	0.79	0.74			
115	1.01	1.04	1.11	1.09	1.02	0.91	0.83	0.82	0.78	0.79	0.85	0.92	1.01	1.06	1.06	0.99			
120	1.42	1.46	1.57	1.51	1.41	1.23	1.13	1.10	1.06	1.08	1.16	1.28	1.41	1.52	1.51	1.41			
125	2.16	2.20	2.39	2.23	2.09	1.78	1.61	1.57	1.52	1.57	1.66	1.87	2.09	2.33	2.34	2.18			
130	3.56	3.64	3.91	3.60	3.31	2.79	2.53	2.44	2.42	2.49	2.63	3.00	3.41	3.90	3.97	3.66			
135	6.02	6.10	6.50	6.00	5.52	4.65	4.24	4.14	4.14	4.22	4.45	5.02	5.77	6.59	6.73	6.20			
140	9.19	9.29	9.72	9.29	8.71	7.64	7.05	6.94	6.93	7.01	7.36	8.11	9.08	9.95	10.07	9.41			
145	12.1	12.2	12.7	12.4	12.1	11.0	10.4	10.2	10.1	10.3	10.7	11.5	12.3	13.0	13.0	12.3			
150	13.9	14.1	14.7	14.7	14.6	13.9	13.3	12.9	12.7	12.8	13.4	14.0	14.7	15.1	14.9	14.2			
155	14.9	15.1	15.6	16.0	16.1	15.6	15.1	14.6	14.4	14.5	15.1	15.7	16.2	16.3	15.8	15.1			
160	15.0	15.1	15.7	16.4	16.7	16.5	16.0	15.5	15.2	15.3	15.9	16.4	16.8	16.5	15.6	14.9			
165	13.7	13.7	14.6	15.7	16.3	16.4	15.9	15.3	15.1	15.2	15.7	16.0	16.1	15.2	13.8	13.2			
170	11.4	11.5	12.1	13.4	14.3	14.7	14.3	13.9	13.6	13.7	14.0	14.0	13.8	12.6	11.4	10.9			
175	9.37	9.63	10.4	11.1	11.9	12.1	12.0	11.4	11.1	11.4	11.9	11.7	11.3	10.6	9.86	9.23			
180	9.35	9.62	10.4	10.6	10.9	10.5	10.2	9.43	9.37	9.64	10.4	10.7	10.9	10.5	10.2	9.36			

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