

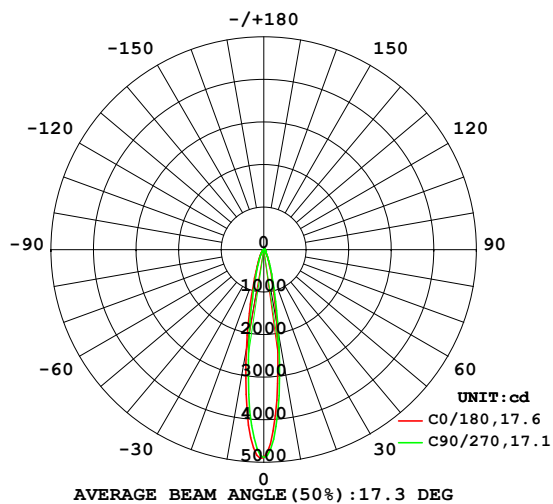
TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

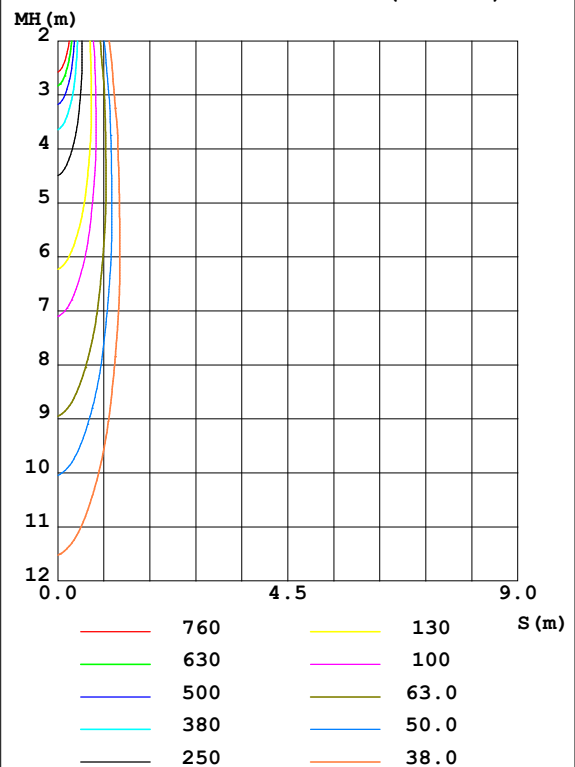
NAME: TLO010-21	TYPE:17.3D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.95 lm/W
MODEL		Imax(cd)	5027	S/MH(C0/180)	0.33	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.29	
RATED VOLTAGE(V)	110	TOTAL FLUX(lm)	877.65	η UP,DN(C0-180)	1.2,49.6	
NOMINAL FLUX(lm)	877.636	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,47.9	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	110	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: 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:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 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	1782	1641	2025	2710	2375	2524	1966	1564	0- 10	306.3	306.3	34.9,34.9
20	411.2	382.4	463.6	652.9	540.2	536.8	440.1	389.1	10- 20	278.8	585.1	66.7,66.7
30	149.8	140.9	165.8	217.8	193.1	191.3	163.3	148.8	20- 30	130.8	715.9	81.6,81.6
40	61.82	59.10	68.68	89.30	79.08	78.24	66.64	60.44	30- 40	70.01	785.9	89.5,89.5
50	28.95	28.62	32.29	39.41	35.87	36.07	31.27	28.63	40- 50	37.17	823.1	93.8,93.8
60	13.62	13.42	15.55	18.46	16.57	17.63	15.70	13.72	50- 60	20.75	843.8	96.1,96.1
70	4.497	4.072	5.325	7.180	6.128	6.654	5.423	3.992	60- 70	10.13	853.9	97.3,97.3
80	0.2309	0.2274	0.2429	0.3495	0.1795	0.4111	0.1842	0.2127	70- 80	2.147	856.1	97.5,97.5
90	0.2294	0.2317	0.2336	0.2329	0.1946	0.1943	0.2202	0.2324	80- 90	0.2402	856.3	97.6,97.6
100	0.3610	0.3684	0.3570	0.3169	0.3165	0.3113	0.3483	0.3798	90-100	0.2988	856.6	97.6,97.6
110	0.6131	0.6308	0.5792	0.5222	0.5133	0.5078	0.5619	0.6435	100-110	0.4707	857.1	97.7,97.7
120	1.181	1.204	1.077	0.9594	0.9198	0.8923	1.030	1.234	110-120	0.7709	857.9	97.7,97.7
130	2.848	3.005	2.538	2.159	2.121	2.038	2.461	3.063	120-130	1.467	859.3	97.9,97.9
140	7.041	7.474	6.772	5.735	5.773	5.683	6.594	7.533	130-140	3.297	862.6	98.3,98.3
150	10.78	11.25	11.03	10.29	10.08	10.27	10.96	11.26	140-150	5.507	868.1	98.9,98.9
160	11.69	12.16	12.53	12.20	11.87	12.23	12.58	11.92	150-160	5.382	873.5	99.5,99.5
170	9.186	9.329	10.47	10.70	10.31	10.66	10.39	8.978	160-170	3.272	876.8	99.9,99.9
180	7.359	7.948	7.947	7.999	7.381	7.917	7.942	8.012	170-180	0.8544	877.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

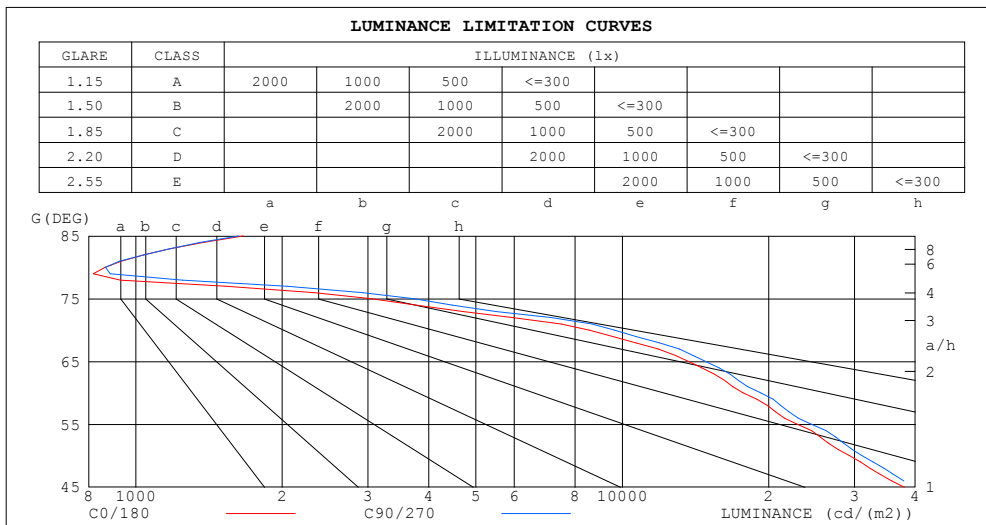
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-15

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:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO010-21	TYPE:17.3D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1663	1627
80	865	866
75	3052	3734
70	8551	9637
65	13700	14847
60	17712	19250
55	22897	24470
50	29296	31095
45	38002	40406

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

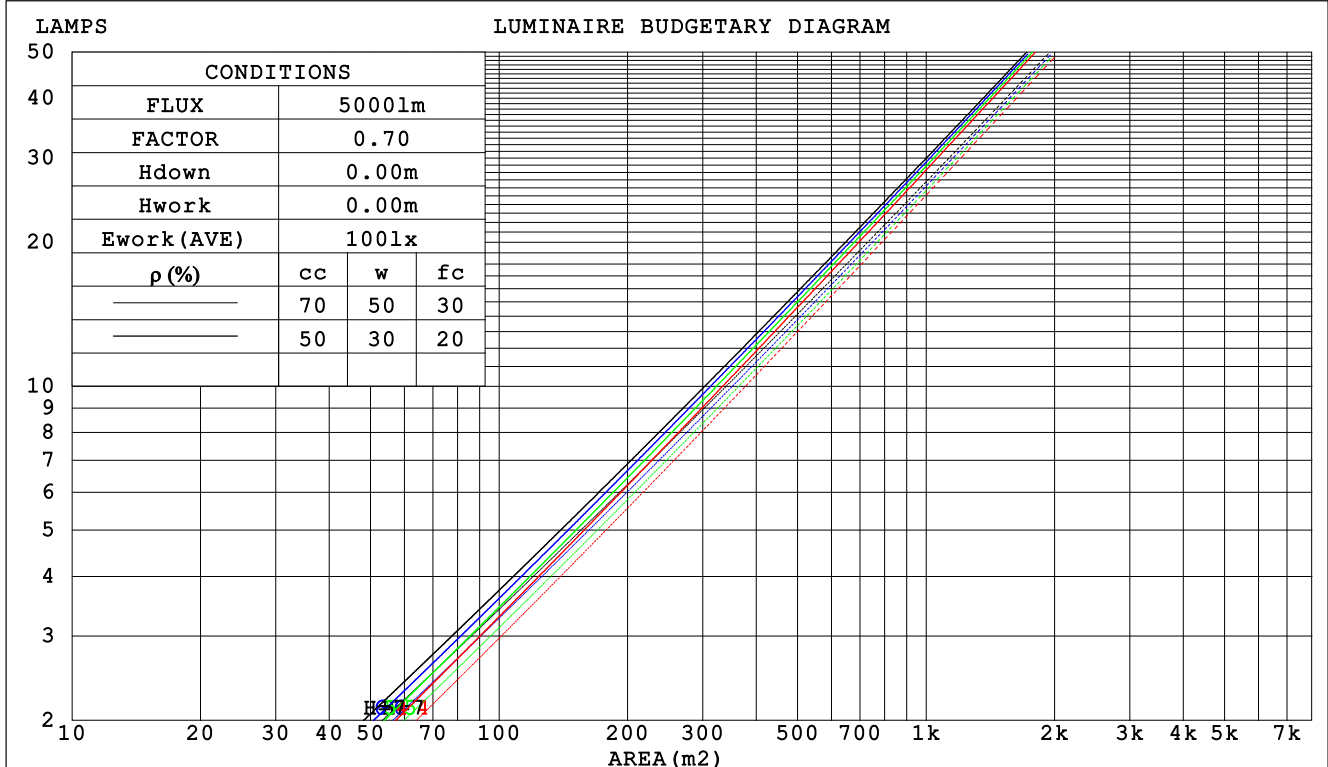
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO010-21	TYPE:17.3D	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	.97	.00	.97	.95	.96	.94	.93	.93	.92	.90	.89
3.0	.00	.95	.92	.98	.94	.91	.95	.92	.90	.93	.90	.88	.90	.88	.86	.85
4.0	.95	.90	.87	.94	.89	.86	.91	.88	.85	.89	.86	.84	.87	.85	.83	.81
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.78
6.0	.87	.82	.79	.86	.82	.78	.84	.81	.78	.83	.80	.77	.81	.79	.76	.75
7.0	.84	.79	.75	.83	.78	.75	.81	.78	.75	.80	.77	.74	.79	.76	.74	.72
8.0	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.75	.71	.69	.68
10.0	.75	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.73	.69	.67	.66



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:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO010-21	TYPE:17.3D	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	.155	.088	.028	.147	.084	.027	.134	.077	.024	.121	.070	.022	.109	.063	.020		
2.0	.146	.080	.024	.139	.077	.024	.128	.071	.022	.117	.066	.021	.107	.061	.019		
3.0	.136	.073	.022	.131	.070	.021	.121	.066	.020	.112	.061	.019	.104	.057	.018		
4.0	.128	.067	.020	.124	.065	.019	.115	.061	.018	.107	.057	.017	.100	.054	.016		
5.0	.120	.061	.018	.117	.060	.017	.109	.057	.017	.102	.054	.016	.096	.051	.015		
6.0	.114	.057	.016	.110	.056	.016	.104	.053	.015	.098	.051	.015	.092	.048	.014		
7.0	.108	.053	.015	.105	.052	.015	.099	.050	.014	.093	.048	.014	.088	.046	.013		
8.0	.102	.050	.014	.099	.049	.014	.094	.047	.013	.090	.045	.013	.085	.044	.013		
9.0	.097	.047	.013	.095	.046	.013	.090	.045	.013	.086	.043	.012	.082	.042	.012		
10.0	.093	.044	.012	.090	.044	.012	.086	.042	.012	.082	.041	.012	.079	.040	.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	.165	.161	.151	.142	.110	.104	.098	.063	.060	.057	.020	.019	.019	
2.0	.172	.151	.134	.147	.130	.116	.101	.090	.081	.058	.052	.048	.019	.017	.015	
3.0	.158	.132	.112	.135	.114	.097	.093	.079	.068	.054	.046	.040	.017	.015	.013	
4.0	.146	.117	.095	.125	.101	.083	.086	.071	.058	.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	.110	.083	.063	.076	.058	.045	.044	.034	.027	.014	.011	.009	
7.0	.120	.088	.065	.103	.076	.056	.071	.053	.040	.041	.031	.024	.013	.010	.008	
8.0	.114	.081	.059	.098	.070	.051	.068	.049	.036	.039	.029	.022	.013	.010	.007	
9.0	.108	.075	.053	.093	.065	.047	.064	.046	.033	.038	.027	.020	.012	.009	.007	
10.0	.103	.071	.049	.089	.061	.043	.062	.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:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO010-21					TYPE:17.3D			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	18.5	19.2	18.8	19.4	19.6	18.8	19.5	19.0	19.7	19.9
3H	18.7	19.4	19.0	19.6	19.9	19.0	19.7	19.3	19.9	20.2
4H	18.7	19.3	19.0	19.6	19.8	19.0	19.6	19.3	19.9	20.1
6H	18.6	19.2	18.9	19.5	19.7	18.9	19.5	19.2	19.8	20.1
8H	18.5	19.1	18.9	19.4	19.7	18.8	19.4	19.2	19.7	20.0
12H	18.5	19.0	18.8	19.3	19.7	18.8	19.4	19.2	19.7	20.0
4H 2H	18.6	19.2	18.9	19.5	19.7	18.9	19.5	19.2	19.8	20.0
3H	18.8	19.4	19.2	19.7	20.0	19.1	19.7	19.5	20.0	20.3
4H	18.8	19.3	19.1	19.6	20.0	19.1	19.6	19.4	19.9	20.3
6H	18.6	19.1	19.1	19.5	19.9	19.0	19.4	19.4	19.8	20.2
8H	18.6	19.0	19.0	19.4	19.8	18.9	19.3	19.3	19.7	20.1
12H	18.5	18.9	19.0	19.3	19.8	18.8	19.2	19.3	19.6	20.1
8H 4H	18.6	19.0	19.0	19.4	19.8	18.9	19.3	19.3	19.7	20.1
6H	18.5	18.9	19.0	19.3	19.8	18.8	19.2	19.3	19.6	20.1
8H	18.4	18.8	18.9	19.2	19.7	18.7	19.1	19.2	19.5	20.0
12H	18.4	18.7	18.9	19.1	19.7	18.7	19.0	19.2	19.4	20.0
12H 4H	18.6	19.0	19.0	19.4	19.8	18.9	19.2	19.3	19.7	20.1
6H	18.4	18.8	18.9	19.2	19.7	18.7	19.1	19.2	19.5	20.0
8H	18.4	18.7	18.9	19.1	19.7	18.7	19.0	19.2	19.4	20.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 2.0					+ 1.5 / - 1.9				
1.5H	+ 2.1 / - 1.3					+ 2.2 / - 1.4				
2.0H	+ 2.3 / - 2.0					+ 2.4 / - 2.1				

CIE Pub.117, 877.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)

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:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO010-21	TYPE:17.3D	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	74	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	105	96
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

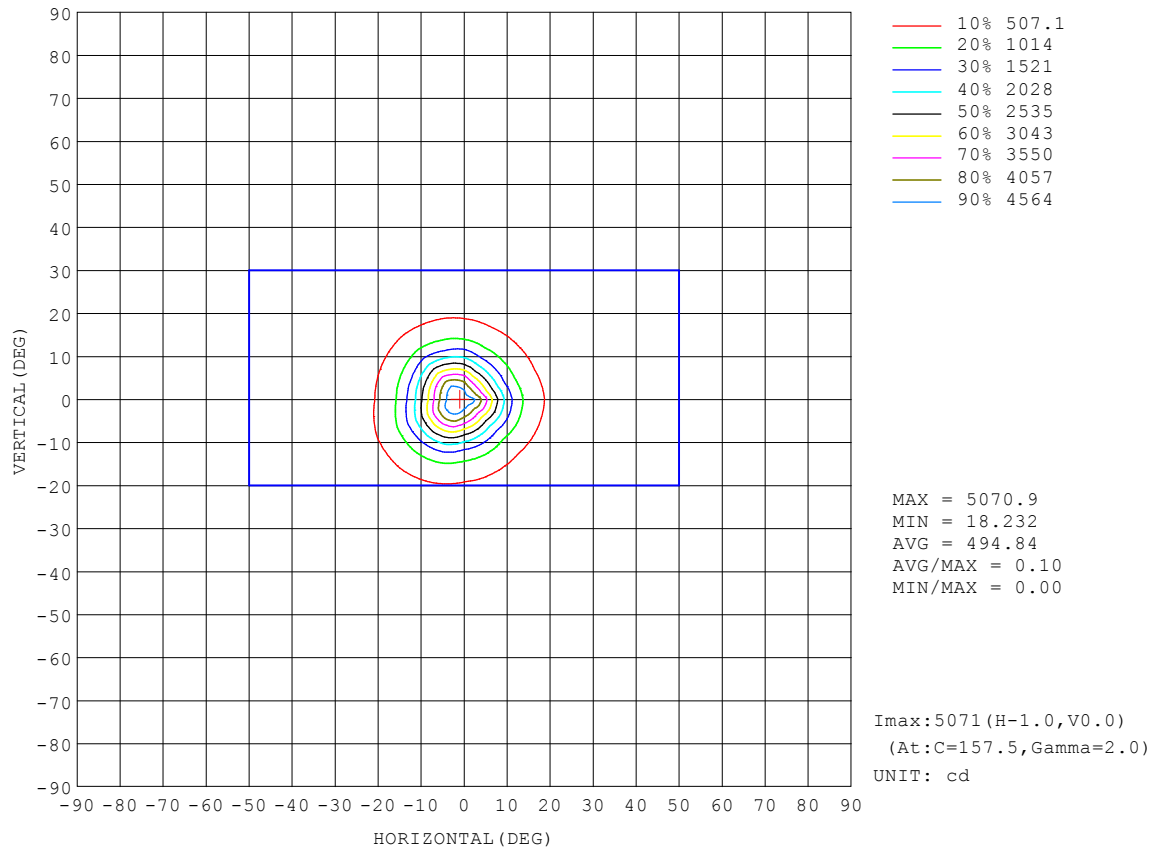
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 Remarks:

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ISOCANDELA DIAGRAM

NAME: TLO010-21	TYPE:17.3D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:



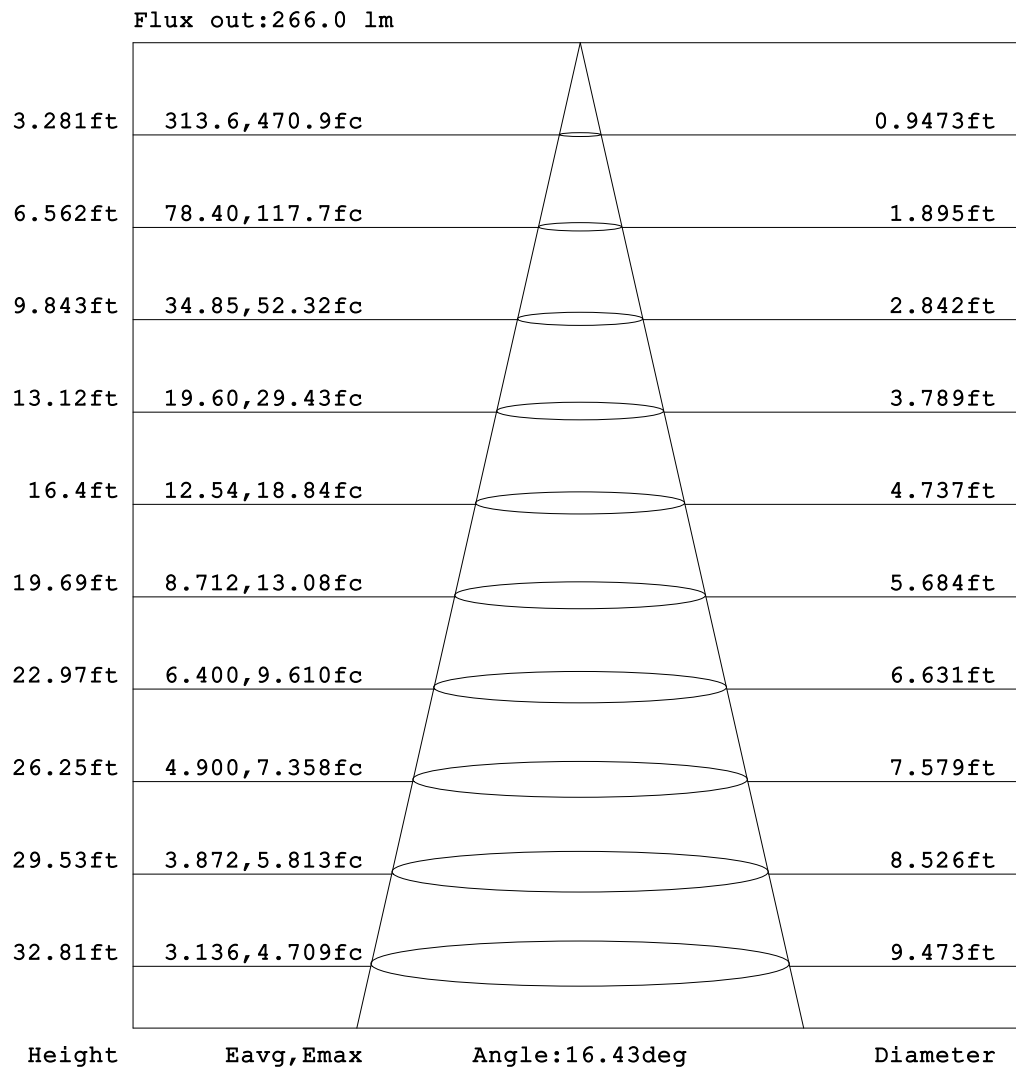
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TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

AAI Figure

NAME: TLO010-21	TYPE:17.3D	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.

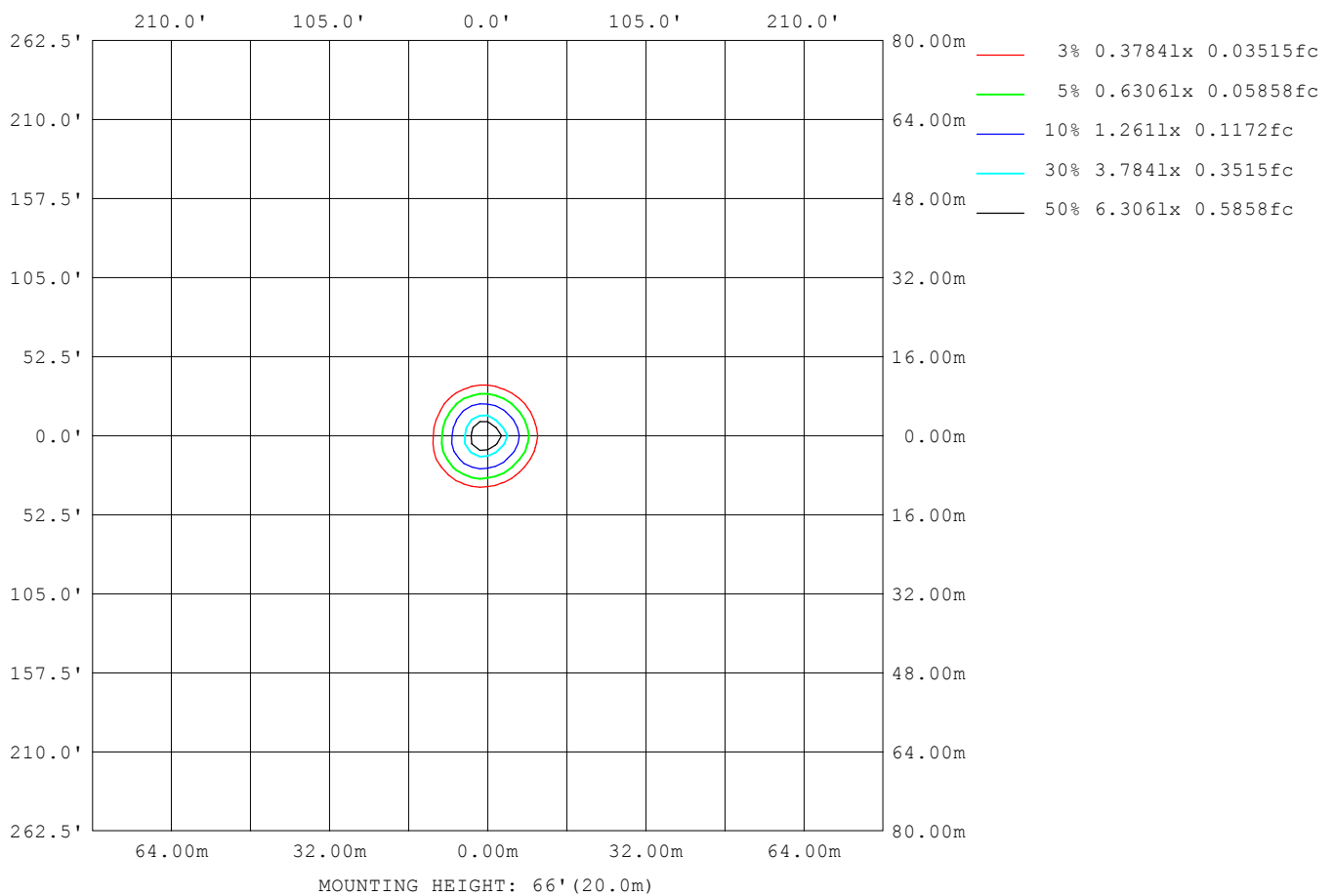
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TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO010-21	TYPE:17.3D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:



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Humidity:65.0%
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Remarks:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO010-21	TYPE:17.3D	WEIGHT:1
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:45	Shielding Angle:

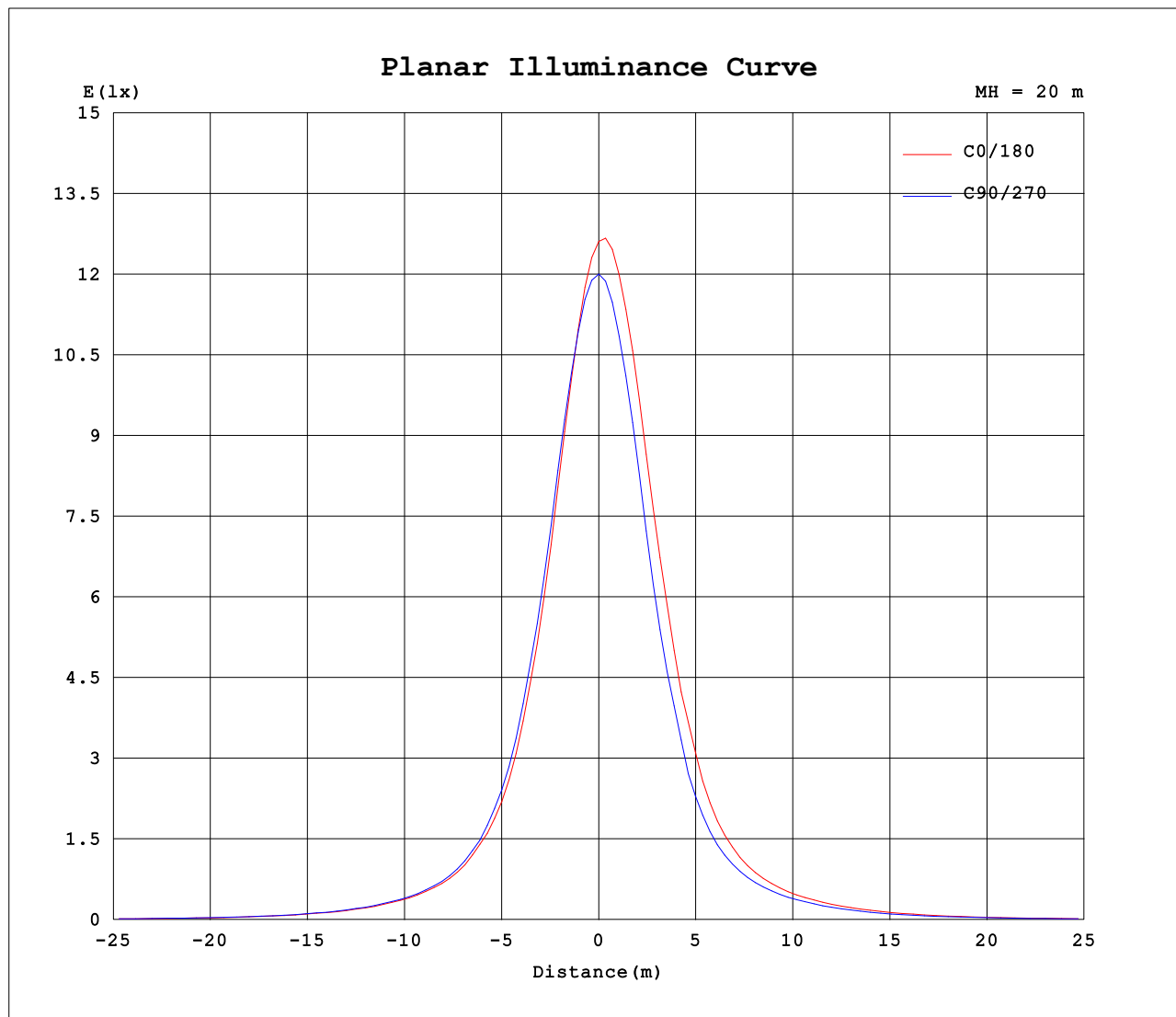
AvgL	cd/m2
L_0~180 (65) av	14877
L_0~180 (75) av	3887
L_0~180 (85) av	1437
L_90~270 (65) av	15281
L_90~270 (75) av	3777
L_90~270 (85) av	1517
L_45 (65) av	15351
L_45 (75) av	4007
L_45 (85) av	1569

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:

TLO010-21 36V250mA CXM-9-30-90-36-AA40 17.3D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO010-21	TYPE:17.3D	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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881			
5	3553	3472	3350	3558	3826	4304	4512	4527	4142	4197	4366	4073	3805	3381	3230	3233			
10	1782	1720	1641	1809	2025	2483	2710	2741	2375	2393	2524	2200	1966	1646	1564	1553			
15	810	783	749	840	934	1172	1312	1362	1109	1100	1142	978	879	752	723	722			
20	411	394	382	420	464	568	653	649	540	542	537	481	440	397	389	387			
25	240	230	225	246	266	318	353	362	308	298	304	280	259	237	236	234			
30	150	144	141	154	166	196	218	225	193	186	191	176	163	150	149	148			
35	95.4	91.2	89.9	97.4	105	124	139	145	125	119	122	112	104	95.7	94.0	93.6			
40	61.8	59.2	59.1	63.4	68.7	79.5	89.3	91.5	79.1	76.5	78.2	72.4	66.6	61.8	60.4	60.6			
45	41.3	40.0	40.5	43.1	46.2	52.9	57.7	59.6	52.2	50.6	52.1	48.2	44.6	41.4	40.7	40.9			
50	29.0	28.1	28.6	30.5	32.3	36.8	39.4	40.3	35.9	34.8	36.1	33.6	31.3	29.1	28.6	28.7			
55	20.2	19.5	19.8	21.4	22.7	26.3	27.8	28.1	24.9	24.4	25.6	24.0	22.5	20.8	20.2	19.9			
60	13.6	13.2	13.4	14.5	15.6	17.7	18.5	18.8	16.6	16.5	17.6	16.6	15.7	14.3	13.7	13.4			
65	8.90	8.59	8.55	9.41	10.14	11.8	12.3	12.6	11.1	11.0	11.7	11.0	10.4	9.13	8.67	8.46			
70	4.50	4.32	4.07	4.75	5.33	6.65	7.18	7.38	6.13	6.17	6.65	5.94	5.42	4.36	3.99	3.90			
75	1.21	1.13	0.94	1.25	1.56	2.22	2.55	2.70	1.98	2.06	2.23	1.84	1.55	1.02	0.87	0.84			
80	0.23	0.25	0.23	0.23	0.24	0.48	0.35	0.43	0.18	0.21	0.41	0.20	0.18	0.19	0.21	0.19			
85	0.22	0.22	0.23	0.23	0.23	0.27	0.23	0.21	0.18	0.17	0.23	0.18	0.19	0.20	0.19	0.19			
90	0.23	0.24	0.23	0.25	0.23	0.24	0.23	0.22	0.19	0.18	0.19	0.18	0.22	0.21	0.23	0.21			
95	0.28	0.30	0.30	0.31	0.28	0.29	0.25	0.27	0.25	0.22	0.25	0.24	0.27	0.27	0.30	0.27			
100	0.36	0.38	0.37	0.38	0.36	0.35	0.32	0.34	0.32	0.29	0.31	0.31	0.35	0.35	0.38	0.36			
105	0.46	0.48	0.48	0.48	0.45	0.44	0.41	0.42	0.40	0.37	0.40	0.39	0.44	0.45	0.49	0.47			
110	0.61	0.63	0.63	0.62	0.58	0.56	0.52	0.54	0.51	0.48	0.51	0.52	0.56	0.60	0.64	0.63			
115	0.84	0.84	0.85	0.82	0.77	0.74	0.70	0.71	0.67	0.64	0.66	0.68	0.74	0.81	0.87	0.85			
120	1.18	1.18	1.20	1.14	1.08	1.01	0.96	0.96	0.92	0.88	0.89	0.93	1.03	1.16	1.23	1.22			
125	1.78	1.76	1.83	1.69	1.59	1.45	1.39	1.38	1.34	1.30	1.29	1.39	1.53	1.76	1.88	1.86			
130	2.85	2.86	3.00	2.75	2.54	2.26	2.16	2.12	2.12	2.08	2.04	2.22	2.46	2.88	3.06	3.02			
135	4.65	4.70	4.98	4.60	4.25	3.78	3.55	3.51	3.57	3.45	3.46	3.72	4.16	4.74	5.02	4.90			
140	7.04	7.12	7.47	7.12	6.77	6.10	5.74	5.68	5.77	5.66	5.68	6.07	6.59	7.28	7.53	7.36			
145	9.26	9.36	9.73	9.51	9.22	8.65	8.25	8.16	8.19	8.11	8.22	8.64	9.11	9.66	9.78	9.59			
150	10.8	10.9	11.3	11.2	11.0	10.6	10.3	10.2	10.1	10.1	10.3	10.6	11.0	11.3	11.3	11.1			
155	11.6	11.7	12.0	12.2	12.1	11.9	11.6	11.5	11.3	11.3	11.6	11.9	12.1	12.2	12.0	11.8			
160	11.7	11.7	12.2	12.5	12.5	12.5	12.2	12.1	11.9	11.9	12.2	12.4	12.6	12.5	11.9	11.6			
165	10.8	10.9	11.3	11.9	12.2	12.3	12.0	11.9	11.6	11.7	12.0	12.2	12.2	11.7	10.8	10.5			
170	9.19	9.18	9.33	10.07	10.5	10.8	10.7	10.8	10.3	10.5	10.7	10.6	10.4	9.85	8.98	8.76			
175	7.57	7.67	8.01	8.33	8.59	8.96	9.13	9.00	8.49	8.68	9.03	8.84	8.53	8.31	7.90	7.58			
180	7.36	7.46	7.95	7.90	7.95	7.96	8.00	7.65	7.38	7.49	7.92	7.93	7.94	7.97	8.01	7.61			

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