

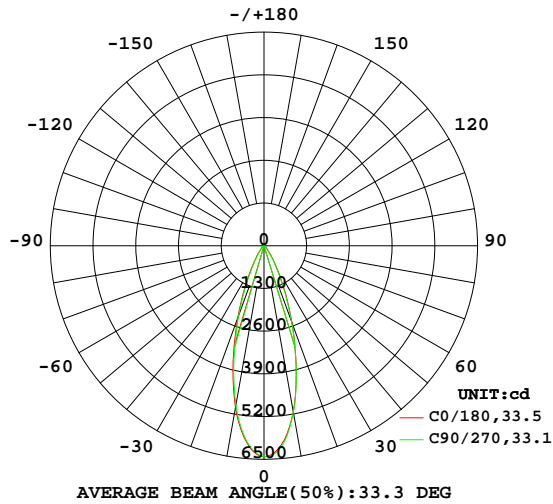
TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

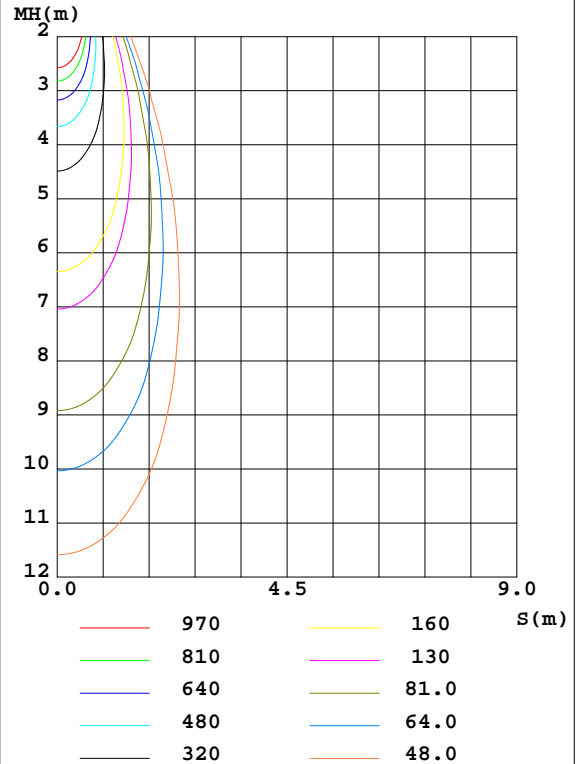
NAME: TLO030-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.45 lm/W			
MODEL		Imax(cd)	6424	S/MH(C0/180)	0.55
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2703.7	η UP, DN(C0-180)	1.2, 50.5
NOMINAL FLUX(lm)	2703.66	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 47.1
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	97.6	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-12-02

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:

TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 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	5135	5099	5154	5141	5003	5055	4929	4961	0- 10	545.7	545.7	20.2,20.2
20	2488	2453	2451	2431	2346	2375	2250	2288	10- 20	1007	1552	57.4,57.4
30	768.7	755.3	696.9	697.9	705.0	718.7	618.3	637.7	20- 30	635.6	2188	80.9,80.9
40	201.3	198.0	172.5	180.0	189.3	190.7	155.9	160.5	30- 40	234.9	2423	89.6,89.6
50	87.38	87.67	82.43	83.42	84.37	85.56	77.96	80.40	40- 50	89.89	2513	92.9,92.9
60	58.43	58.07	58.85	58.44	56.39	56.69	55.24	56.31	50- 60	62.62	2575	95.2,95.2
70	29.35	29.21	30.80	30.56	28.86	28.69	27.37	27.63	60- 70	42.67	2618	96.8,96.8
80	7.732	7.820	8.546	8.708	7.458	7.290	6.524	6.749	70- 80	17.90	2636	97.5,97.5
90	0.8490	0.8463	0.9037	0.8771	0.7299	0.7171	0.7327	0.7177	80- 90	3.142	2639	97.6,97.6
100	1.126	1.123	1.083	1.083	1.068	1.042	1.048	1.036	90-100	0.9944	2640	97.6,97.6
110	1.854	1.867	1.713	1.726	1.777	1.726	1.678	1.674	100-110	1.430	2641	97.7,97.7
120	4.122	4.186	3.839	3.901	4.011	3.891	3.807	3.772	110-120	2.607	2644	97.8,97.8
130	9.893	10.14	9.538	9.726	9.739	9.470	9.518	9.413	120-130	5.735	2650	98,98
140	19.65	19.86	19.39	19.51	19.55	19.16	19.40	19.22	130-140	10.98	2661	98.4,98.4
150	29.62	29.84	29.80	29.96	29.75	29.41	29.77	29.42	140-150	15.46	2676	99,99
160	33.85	34.33	34.98	34.92	34.37	34.34	34.63	33.83	150-160	15.07	2691	99.5,99.5
170	31.76	31.60	32.35	32.43	32.47	32.11	31.71	31.23	160-170	9.566	2701	99.9,99.9
180	30.66	30.92	30.23	30.84	30.67	30.93	30.24	30.85	170-180	2.966	2704	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

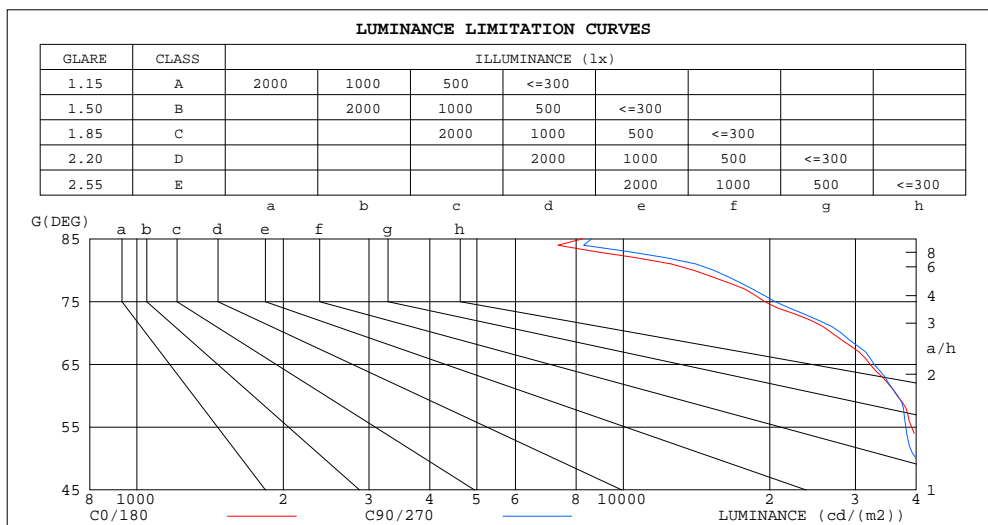
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2024-12-02

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:

TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO030-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8245	8600
80	13921	15327
75	19524	20494
70	26831	28050
65	32155	32777
60	36536	36660
55	39152	38084
50	42502	39939
45	51795	45928

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Test Date: 2024-12-02

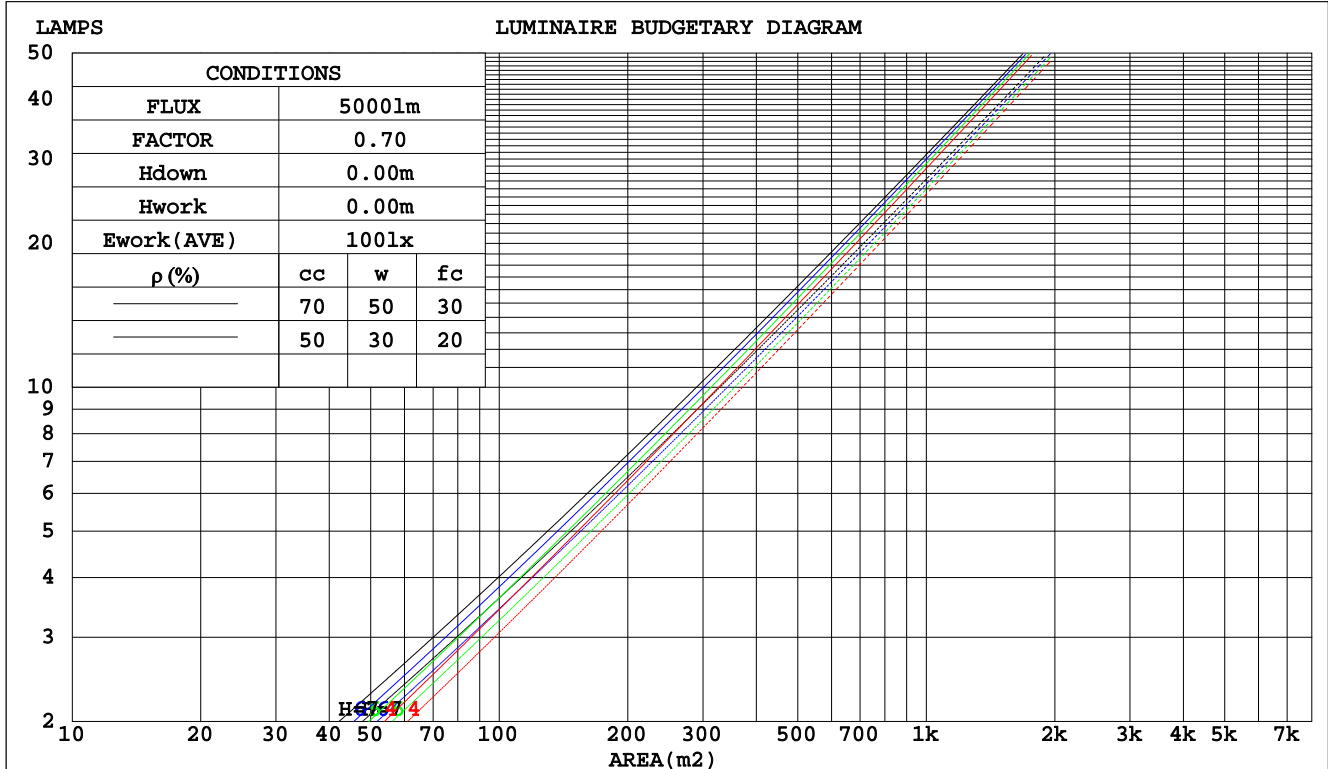
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Humidity: 65.0%
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Remarks:

TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO030-21	TYPE:33D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	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	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	.00	.98	.97	.96	.95	.94	.92
2.0	1.04	.00	.97	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.92	.90	.88	.87
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.90	.87	.85	.88	.85	.83	.82
4.0	.92	.87	.83	.91	.86	.83	.88	.84	.81	.86	.83	.80	.84	.81	.79	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.76	.81	.78	.75	.74
6.0	.83	.78	.74	.82	.77	.73	.80	.76	.73	.79	.75	.72	.77	.74	.71	.70
7.0	.79	.74	.70	.78	.73	.70	.77	.72	.69	.76	.72	.69	.74	.71	.68	.67
8.0	.76	.70	.67	.75	.70	.66	.74	.69	.66	.73	.69	.66	.71	.68	.65	.64
9.0	.72	.67	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.69	.65	.63	.61
10.0	.69	.64	.61	.69	.64	.61	.68	.64	.61	.67	.63	.60	.66	.63	.60	.59



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-02

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:

TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO030-21	TYPE:33D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	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	.170	.097	.031	.162	.093	.029	.149	.085	.027	.136	.078	.025	.124	.072	.023		
2.0	.160	.088	.027	.154	.085	.026	.142	.079	.025	.131	.074	.023	.121	.069	.022		
3.0	.150	.080	.024	.145	.078	.023	.135	.073	.022	.126	.069	.021	.117	.065	.020		
4.0	.142	.074	.022	.137	.072	.021	.128	.068	.020	.120	.065	.019	.113	.061	.019		
5.0	.134	.068	.020	.130	.067	.019	.122	.063	.019	.115	.061	.018	.108	.058	.017		
6.0	.126	.063	.018	.123	.062	.018	.116	.060	.017	.110	.057	.017	.104	.055	.016		
7.0	.120	.059	.017	.117	.058	.017	.111	.056	.016	.105	.054	.016	.100	.052	.015		
8.0	.114	.056	.016	.112	.055	.016	.106	.053	.015	.101	.051	.015	.096	.050	.014		
9.0	.109	.053	.015	.107	.052	.015	.102	.050	.014	.097	.049	.014	.093	.047	.014		
10.0	.104	.050	.014	.102	.049	.014	.098	.048	.013	.094	.046	.013	.090	.045	.013		

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	.098	.064	.060	.057	.020	.019	.018	
2.0	.173	.151	.132	.148	.130	.115	.102	.090	.080	.059	.052	.047	.019	.017	.015	
3.0	.160	.132	.110	.137	.114	.095	.094	.079	.067	.054	.046	.039	.017	.015	.013	
4.0	.149	.117	.093	.128	.101	.081	.088	.071	.057	.051	.041	.034	.016	.013	.011	
5.0	.140	.106	.080	.120	.091	.070	.083	.064	.049	.048	.037	.029	.015	.012	.010	
6.0	.132	.096	.071	.113	.083	.061	.078	.058	.043	.045	.034	.026	.015	.011	.009	
7.0	.125	.088	.063	.107	.077	.055	.074	.054	.039	.043	.032	.023	.014	.010	.008	
8.0	.118	.082	.057	.102	.071	.049	.071	.050	.035	.041	.029	.021	.013	.010	.007	
9.0	.113	.076	.052	.097	.066	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
10.0	.108	.072	.048	.093	.062	.042	.065	.044	.030	.038	.026	.018	.012	.009	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-02

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:

TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO030-21					TYPE:33D			WEIGHT:			
SPEC.:3000K CRI90					DIM.:			SERIAL No.:			
MFR.:					SUR.:64			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		17.6	18.4	17.8	18.6	18.8	17.2	18.0	17.4	18.2	18.4
	3H	18.2	18.9	18.4	19.2	19.4	17.9	18.7	18.2	18.9	19.1
	4H	18.3	19.0	18.6	19.3	19.6	18.1	18.8	18.4	19.1	19.3
	6H	18.4	19.0	18.7	19.3	19.6	18.2	18.9	18.5	19.1	19.4
	8H	18.3	19.0	18.7	19.3	19.6	18.2	18.8	18.5	19.1	19.4
	12H	18.3	18.9	18.7	19.2	19.6	18.1	18.8	18.5	19.1	19.4
4H	2H	17.8	18.5	18.1	18.8	19.0	17.4	18.2	17.7	18.4	18.7
	3H	18.5	19.1	18.9	19.5	19.8	18.3	18.9	18.7	19.3	19.6
	4H	18.7	19.3	19.1	19.6	20.0	18.6	19.1	19.0	19.5	19.8
	6H	18.8	19.3	19.2	19.7	20.1	18.7	19.2	19.1	19.6	20.0
	8H	18.8	19.3	19.2	19.7	20.1	18.7	19.2	19.1	19.6	20.0
	12H	18.8	19.2	19.2	19.6	20.1	18.7	19.1	19.1	19.5	20.0
8H	4H	18.7	19.2	19.2	19.6	20.0	18.6	19.1	19.0	19.5	19.9
	6H	18.9	19.3	19.4	19.7	20.2	18.8	19.2	19.2	19.6	20.1
	8H	18.9	19.2	19.4	19.7	20.2	18.8	19.1	19.3	19.6	20.1
	12H	18.9	19.2	19.4	19.6	20.2	18.8	19.1	19.3	19.6	20.1
12H	4H	18.7	19.1	19.1	19.5	20.0	18.6	19.0	19.0	19.4	19.8
	6H	18.9	19.2	19.3	19.7	20.1	18.7	19.1	19.2	19.5	20.0
	8H	18.9	19.2	19.4	19.6	20.2	18.8	19.1	19.3	19.5	20.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.9 / - 1.0					+ 0.7 / - 0.9				
1.5H		+ 1.8 / - 0.9					+ 1.3 / - 0.8				
2.0H		+ 0.7 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117, 2704 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.5$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-02

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:

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UTILIZATION FACTORS TABLE

NAME: TLO030-21	TYPE:33D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	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	85	79	75	85	78	75	84	78	74	71
0.80	93	86	83	92	86	82	90	85	82	78
1.00	97	91	87	96	91	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	95	103	98	95	100	96	93	88
2.00	107	103	99	105	101	98	102	99	96	91
2.50	109	105	102	107	103	101	103	101	98	92
3.00	111	107	104	108	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		

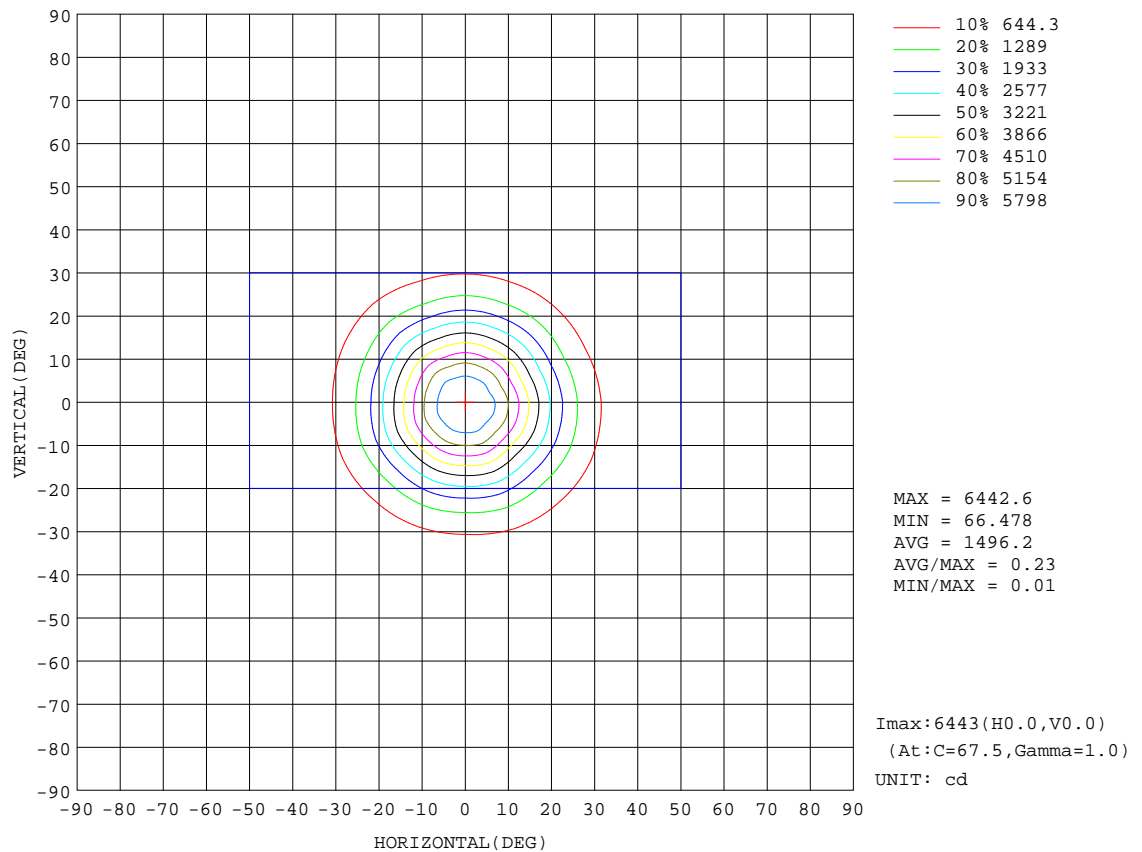
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ISOCANDELA DIAGRAM

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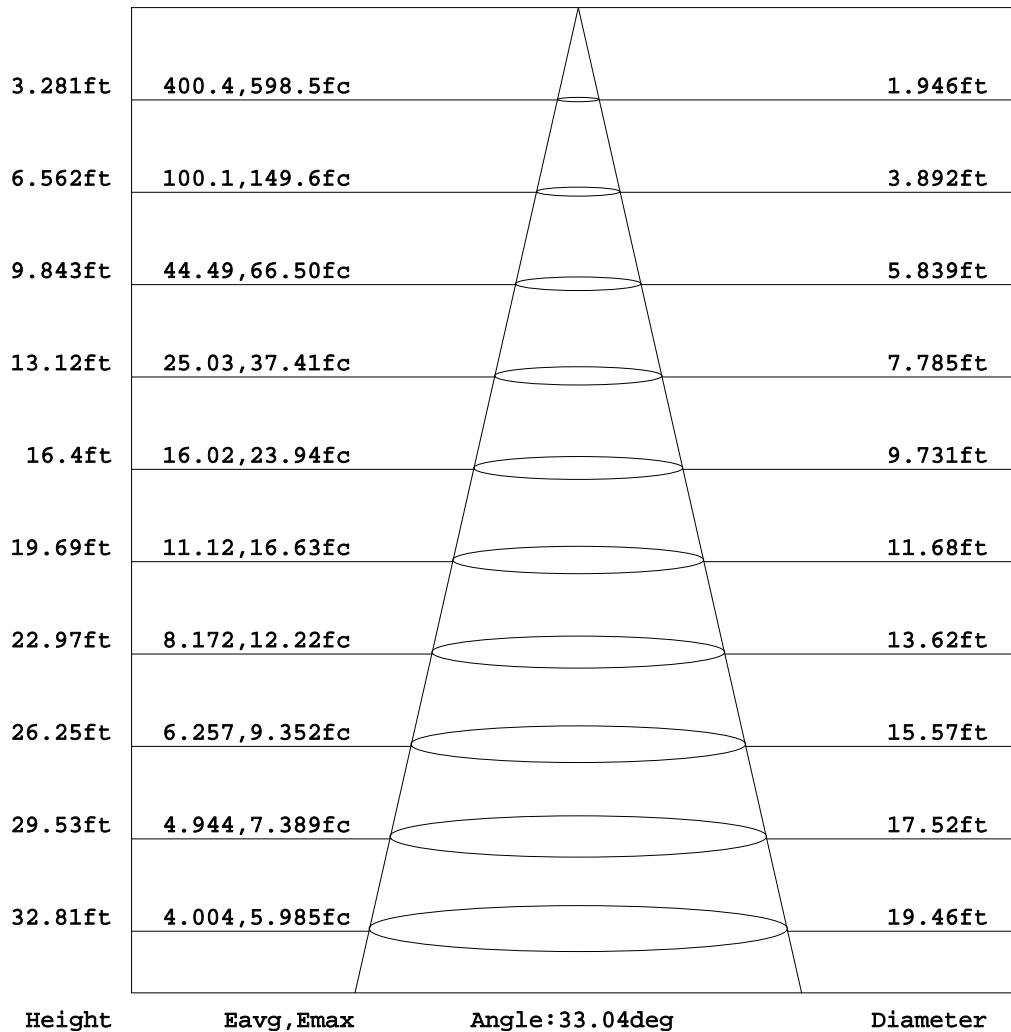
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TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

AAI Figure

NAME: TLO030-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:

Flux out: 1266 lm



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

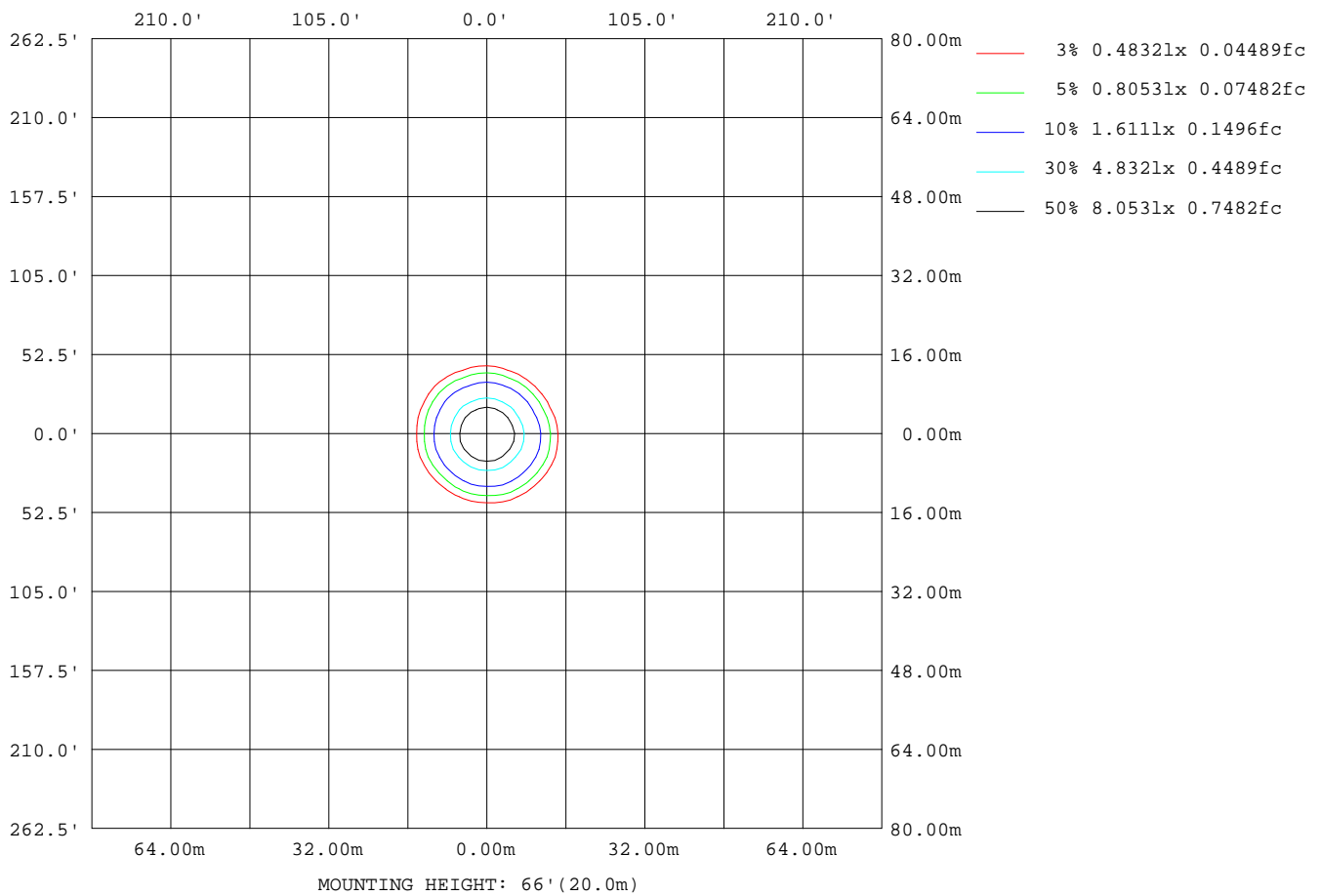
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ISOLUX DIAGRAM

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SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:



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TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO030-21	TYPE:33D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:64	Shielding Angle:

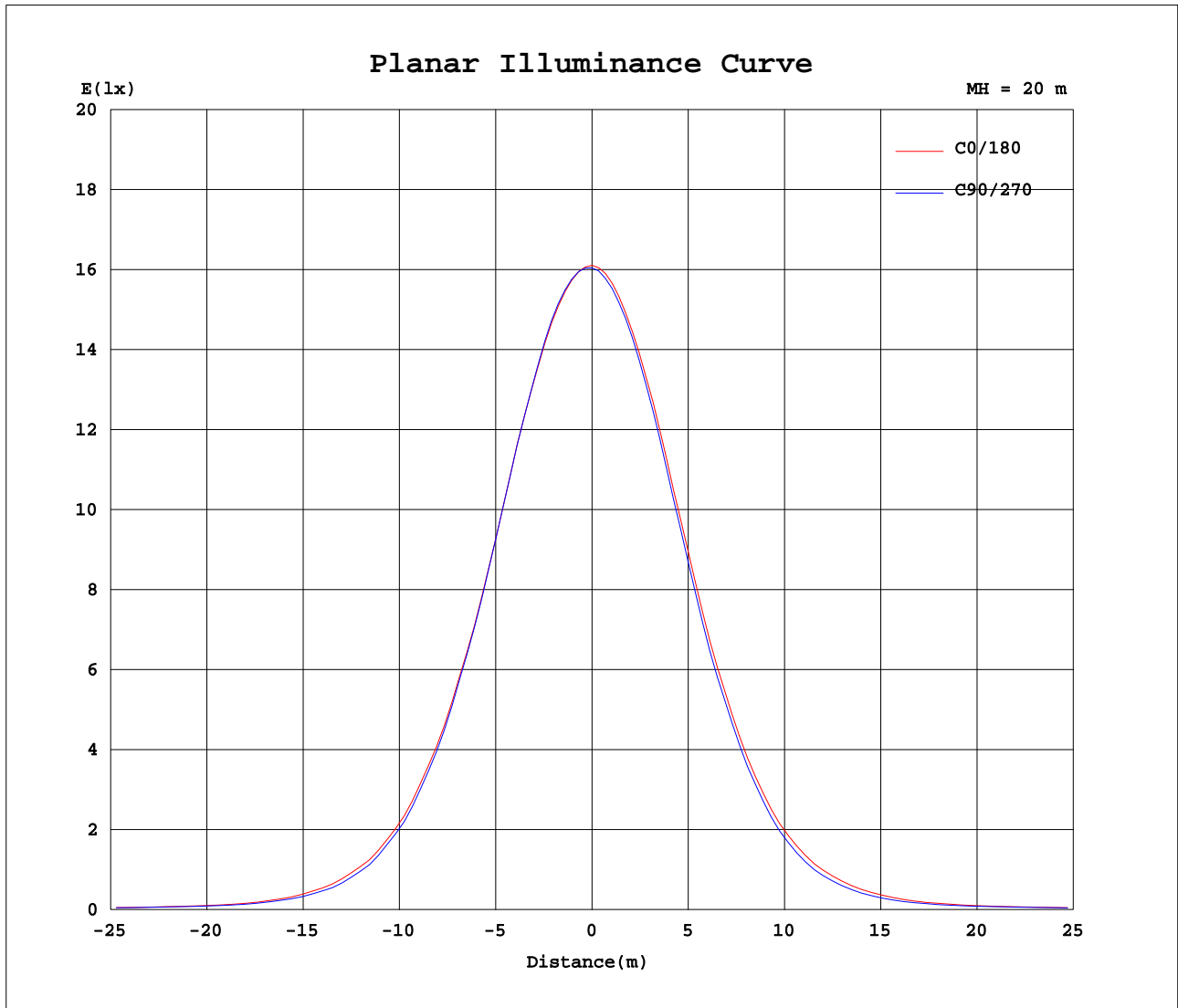
AvgL	cd/m2
L_0~180(65)av	31676
L_0~180(75)av	19272
L_0~180(85)av	8103
L_90~270(65)av	31695
L_90~270(75)av	19023
L_90~270(85)av	8054
L_45(65)av	31846
L_45(75)av	19173
L_45(85)av	8073

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-02

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: LXJ
Test Date: 2024-12-02

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:

TLO030-21 36V700mA CXM-14-30-90-36-UC40 33D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO030-21	TYPE: 33D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 64	Shielding Angle:

Table--1

UNIT: cd

C(°) \ γ (°)	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	6420	6420	6420	6420	6420	6420	6420	6420	6420	6420	6420	6420	6420	6420	6420	6420			
5	6084	6098	6073	6155	6131	6143	6100	6115	6014	6002	6044	5962	5980	5967	6001	5985			
10	5135	5174	5099	5235	5154	5183	5141	5184	5003	4984	5055	4910	4929	4900	4961	4962			
15	3785	3842	3737	3887	3788	3826	3772	3826	3634	3592	3665	3488	3534	3482	3553	3555			
20	2488	2553	2453	2562	2451	2487	2431	2507	2346	2312	2375	2213	2250	2203	2288	2293			
25	1457	1521	1427	1495	1388	1417	1366	1440	1337	1323	1356	1215	1237	1210	1279	1284			
30	769	820	755	772	697	714	698	747	705	713	719	633	618	613	638	668			
35	395	419	383	377	342	346	348	381	366	373	373	316	303	289	311	327			
40	201	210	198	190	172	173	180	195	189	188	191	161	156	143	161	166			
45	117	122	118	113	104	104	109	115	114	117	115	102	97.5	95.5	102	105			
50	87.4	90.2	87.7	85.9	82.4	82.4	83.4	85.3	84.4	87.7	85.6	79.7	78.0	78.9	80.4	82.2			
55	71.8	73.5	71.1	71.1	70.1	70.6	69.8	70.2	69.4	70.4	69.9	67.2	67.0	68.3	68.6	69.4			
60	58.4	58.8	58.1	59.3	58.9	58.9	58.4	58.6	56.4	55.8	56.7	54.8	55.2	54.8	56.3	56.5			
65	43.5	44.3	43.5	45.4	44.5	45.4	44.6	45.0	42.5	41.8	42.4	41.0	41.5	41.2	42.2	42.2			
70	29.4	30.1	29.2	31.2	30.8	31.4	30.6	31.2	28.9	28.4	28.7	26.8	27.4	26.9	27.6	27.5			
75	16.2	16.7	16.1	17.3	17.0	17.5	17.1	17.6	15.9	15.8	15.7	14.4	14.6	14.6	14.8	14.9			
80	7.73	8.32	7.82	8.84	8.55	9.14	8.71	8.81	7.46	7.26	7.29	6.34	6.52	6.47	6.75	6.61			
85	2.30	2.32	2.31	2.40	2.41	2.43	2.43	2.44	2.24	2.19	2.21	2.07	2.10	2.04	2.09	2.07			
90	0.85	0.88	0.85	0.97	0.90	0.96	0.88	0.88	0.73	0.73	0.72	0.72	0.73	0.72	0.72	0.71			
95	0.96	0.97	0.95	0.95	0.93	0.94	0.93	0.95	0.88	0.85	0.86	0.85	0.88	0.86	0.86	0.85			
100	1.13	1.14	1.12	1.11	1.08	1.09	1.08	1.12	1.07	1.04	1.04	1.04	1.05	1.03	1.04	1.03			
105	1.40	1.41	1.39	1.34	1.31	1.31	1.32	1.36	1.33	1.32	1.30	1.31	1.28	1.27	1.27	1.30			
110	1.85	1.86	1.87	1.75	1.71	1.69	1.73	1.78	1.78	1.79	1.73	1.74	1.68	1.67	1.67	1.73			
115	2.68	2.68	2.71	2.50	2.47	2.42	2.51	2.57	2.57	2.63	2.50	2.54	2.42	2.43	2.40	2.52			
120	4.12	4.13	4.19	3.89	3.84	3.80	3.90	4.00	4.01	4.07	3.89	3.97	3.81	3.79	3.77	3.92			
125	6.48	6.47	6.61	6.16	6.14	6.06	6.26	6.34	6.33	6.40	6.14	6.35	6.10	6.12	6.04	6.25			
130	9.89	9.89	10.1	9.54	9.54	9.45	9.73	9.78	9.74	9.78	9.47	9.83	9.52	9.54	9.41	9.66			
135	14.4	14.4	14.7	14.0	14.1	14.0	14.2	14.3	14.3	14.2	13.9	14.3	14.1	14.0	13.9	14.1			
140	19.7	19.6	19.9	19.3	19.4	19.3	19.5	19.7	19.5	19.5	19.2	19.7	19.4	19.4	19.2	19.4			
145	25.0	24.9	25.2	24.8	24.9	24.8	25.1	25.1	24.9	24.9	24.6	25.2	24.9	24.9	24.7	24.8			
150	29.6	29.6	29.8	29.6	29.8	29.8	30.0	30.0	29.7	29.7	29.4	30.0	29.8	29.7	29.4	29.5			
155	32.8	32.7	33.1	33.1	33.4	33.4	33.4	33.4	33.1	32.9	32.9	33.4	33.2	33.1	32.7	32.6			
160	33.8	33.8	34.3	34.6	35.0	35.0	34.9	34.7	34.4	34.2	34.3	34.7	34.6	34.3	33.8	33.7			
165	33.3	33.3	33.6	34.3	34.6	34.6	34.3	34.3	34.0	33.8	33.8	34.0	33.9	33.5	33.0	33.2			
170	31.8	31.6	31.6	32.1	32.3	32.3	32.4	32.7	32.5	32.4	32.1	31.8	31.7	31.4	31.2	31.5			
175	30.3	30.3	30.6	30.5	30.3	30.7	31.3	31.2	31.1	31.3	31.2	30.4	30.1	30.5	30.5	30.3			
180	30.7	30.6	30.9	30.3	30.2	30.3	30.8	30.5	30.7	30.6	30.9	30.3	30.2	30.3	30.8	30.6			

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