

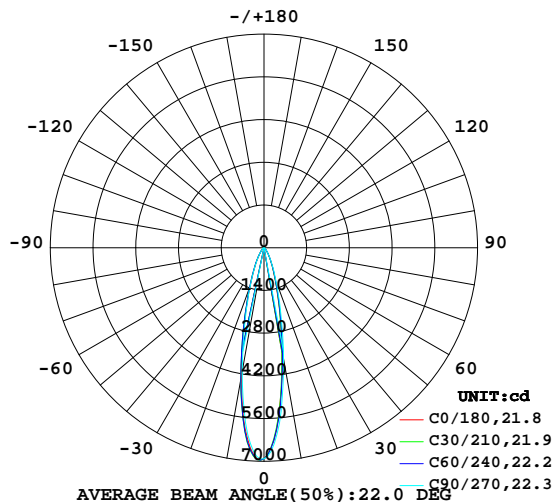
TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

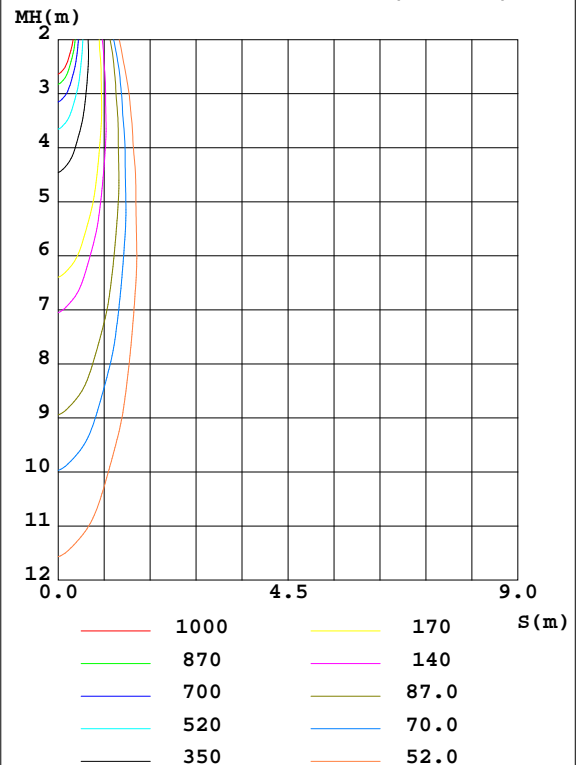
NAME: TLO020-61	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.74 lm/W			
MODEL		Imax(cd)	6987	S/MH(C0/180)	0.41
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.40
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1809.1	η UP, DN(C0-180)	1.2, 47.6
NOMINAL FLUX(lm)	1809.09	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 50.0
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	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: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-11-15

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 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	3401	3509	3710	4269	4271	4321	4124	3504	0- 10	497.7	497.7	27.5,27.5
20	1027	1086	1145	1338	1329	1348	1307	1087	10- 20	617.4	1115	61.6,61.6
30	356.6	374.2	385.6	456.7	445.9	465.5	439.1	384.7	20- 30	328.7	1444	79.8,79.8
40	137.5	141.1	147.7	170.5	164.6	173.0	166.5	146.5	30- 40	160.8	1605	88.7,88.7
50	62.97	62.74	67.15	74.80	73.72	75.36	73.62	65.29	40- 50	80.57	1685	93.1,93.1
60	32.87	30.95	34.63	37.63	38.82	37.51	37.70	32.59	50- 60	44.88	1730	95.6,95.6
70	14.25	13.57	14.62	17.10	17.49	17.08	17.49	14.29	60- 70	24.51	1755	97,97
80	2.851	2.767	2.943	3.897	4.448	4.216	4.415	3.005	70- 80	9.565	1764	97.5,97.5
90	0.5243	0.5462	0.5328	0.5209	0.4403	0.4077	0.4600	0.4567	80- 90	1.293	1765	97.6,97.6
100	0.8049	0.8275	0.8108	0.7743	0.6909	0.6582	0.7173	0.7429	90-100	0.6605	1766	97.6,97.6
110	1.373	1.400	1.364	1.260	1.122	1.112	1.177	1.268	100-110	1.028	1767	97.7,97.7
120	2.781	2.799	2.759	2.437	2.137	2.159	2.277	2.529	110-120	1.753	1769	97.8,97.8
130	6.523	6.635	6.516	5.627	5.014	5.046	5.366	6.007	120-130	3.459	1772	98,98
140	14.40	14.41	14.09	12.87	11.87	11.82	12.42	13.57	130-140	7.050	1779	98.4,98.4
150	21.70	21.63	21.56	20.83	20.08	19.98	20.38	21.22	140-150	10.77	1790	99,99
160	23.77	23.60	24.33	24.18	24.04	23.79	24.18	23.66	150-160	10.56	1801	99.5,99.5
170	20.01	20.06	21.04	21.91	21.83	21.64	21.30	20.21	160-170	6.538	1807	99.9,99.9
180	17.79	18.23	18.04	18.44	17.82	18.23	18.04	18.43	170-180	1.869	1809	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

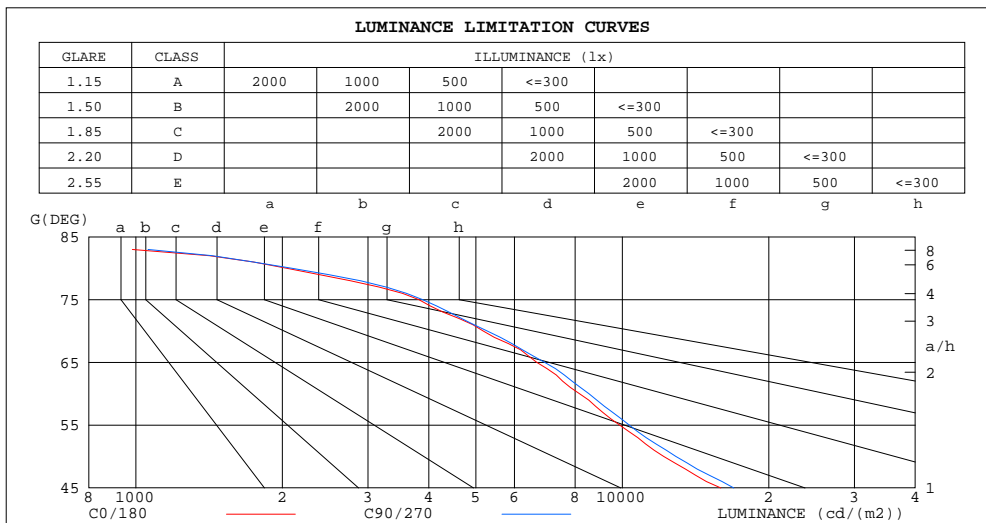
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2024-11-15

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO020-61	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	692	700
80	2038	2089
75	3815	3882
70	5174	5270
65	6667	6919
60	8162	8537
55	9873	10336
50	12163	12877
45	15931	16945

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-11-15

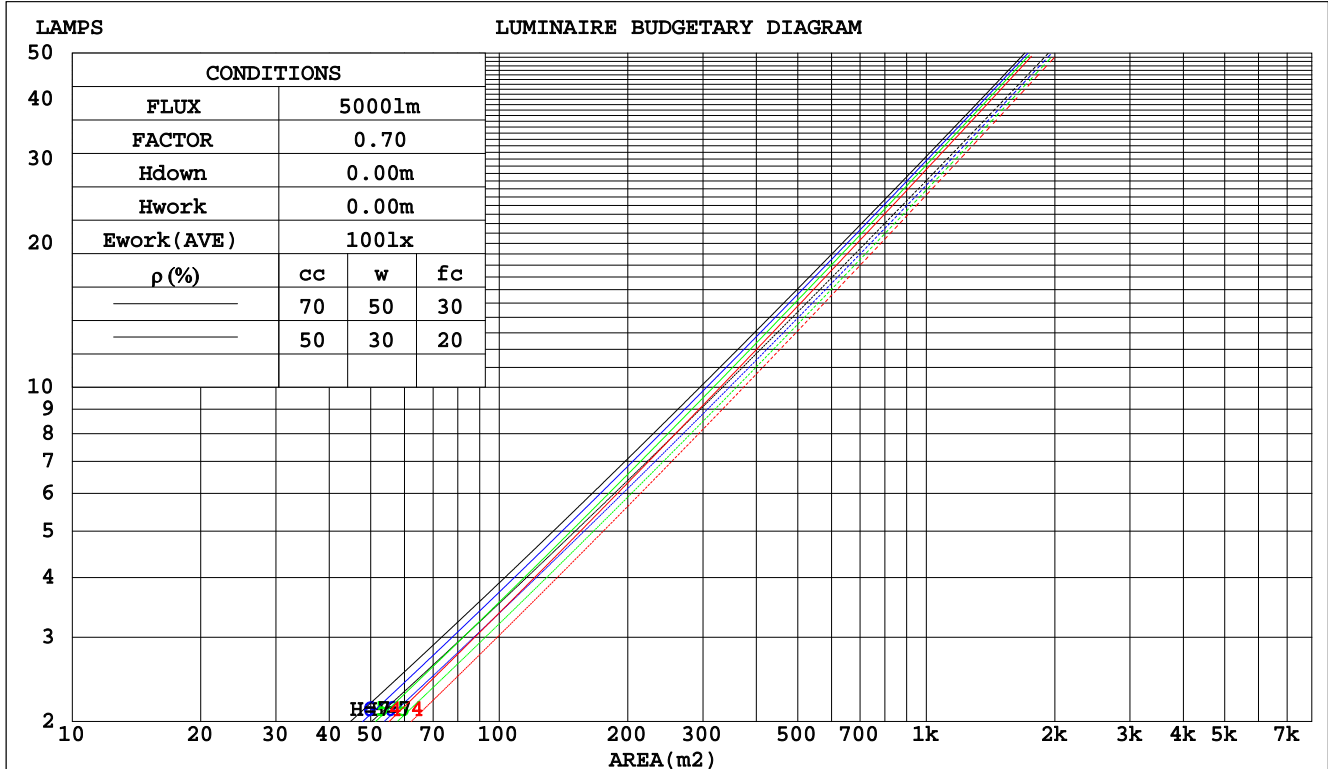
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-61	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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	1.09	1.07	1.09	1.07	1.05	1.04	1.02	1.01	.00	.99	.98	.96	.95	.94	.92
2.0	1.04	1.01	.97	1.02	.99	.96	.99	.96	.94	.95	.93	.91	.92	.91	.89	.87
3.0	.98	.94	.90	.97	.93	.89	.94	.91	.88	.91	.88	.86	.89	.86	.85	.83
4.0	.93	.88	.85	.92	.87	.84	.90	.86	.83	.87	.84	.82	.85	.83	.80	.79
5.0	.89	.84	.80	.88	.83	.79	.86	.82	.78	.84	.80	.78	.82	.79	.77	.75
6.0	.85	.79	.76	.84	.79	.75	.82	.78	.75	.80	.77	.74	.79	.76	.73	.72
7.0	.81	.76	.72	.80	.75	.72	.79	.75	.71	.77	.74	.71	.76	.73	.70	.69
8.0	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.74	.70	.68	.67
9.0	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.71	.68	.65	.64
10.0	.72	.67	.64	.72	.67	.64	.71	.66	.64	.70	.66	.63	.69	.66	.63	.62



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-11-15

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO020-61	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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	.164	.093	.030	.156	.089	.028	.142	.082	.026	.130	.075	.024	.118	.068	.022	
2.0	.154	.085	.026	.148	.082	.025	.136	.076	.024	.126	.070	.022	.116	.065	.021	
3.0	.145	.077	.023	.140	.075	.022	.130	.070	.021	.120	.066	.020	.112	.062	.019	
4.0	.136	.071	.021	.132	.069	.020	.123	.065	.019	.115	.062	.019	.107	.058	.018	
5.0	.128	.065	.019	.124	.064	.019	.117	.061	.018	.110	.058	.017	.103	.055	.017	
6.0	.121	.061	.017	.118	.059	.017	.111	.057	.017	.105	.055	.016	.099	.052	.016	
7.0	.115	.057	.016	.112	.056	.016	.106	.054	.015	.100	.052	.015	.095	.050	.015	
8.0	.109	.053	.015	.106	.052	.015	.101	.051	.014	.096	.049	.014	.092	.047	.014	
9.0	.104	.050	.014	.102	.049	.014	.097	.048	.014	.092	.046	.013	.088	.045	.013	
10.0	.099	.048	.013	.097	.047	.013	.093	.045	.013	.089	.044	.013	.085	.043	.012	

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	.189	.176	.164	.162	.151	.142	.110	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.173	.151	.133	.148	.130	.115	.101	.090	.080	.058	.052	.047	.019	.017	.015	
3.0	.159	.132	.111	.136	.114	.096	.094	.079	.067	.054	.046	.040	.017	.015	.013	
4.0	.148	.117	.094	.127	.101	.082	.087	.071	.058	.050	.041	.034	.016	.013	.011	
5.0	.138	.105	.081	.119	.091	.071	.082	.064	.050	.047	.037	.030	.015	.012	.010	
6.0	.130	.096	.071	.112	.083	.062	.077	.058	.044	.045	.034	.026	.014	.011	.009	
7.0	.123	.088	.064	.106	.076	.055	.073	.053	.039	.042	.032	.023	.014	.010	.008	
8.0	.116	.082	.058	.100	.071	.050	.069	.050	.036	.040	.029	.021	.013	.010	.007	
9.0	.111	.076	.053	.096	.066	.046	.066	.046	.033	.039	.027	.019	.012	.009	.006	
10.0	.106	.071	.049	.091	.062	.042	.063	.044	.030	.037	.026	.018	.012	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-11-15

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-61					TYPE:22D			WEIGHT:			
SPEC.:3000K CRI90					DIM.:			SERIAL No.:			
MFR.:					SUR.:90			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		13.5	14.3	13.8	14.5	14.7	13.7	14.5	14.0	14.7	14.9
3H		13.9	14.6	14.2	14.8	15.1	14.1	14.8	14.4	15.1	15.3
4H		14.0	14.7	14.3	14.9	15.2	14.2	14.9	14.5	15.1	15.4
6H		13.9	14.6	14.3	14.9	15.2	14.1	14.8	14.5	15.1	15.4
8H		13.9	14.5	14.3	14.8	15.1	14.1	14.7	14.5	15.0	15.3
12H		13.9	14.5	14.2	14.8	15.1	14.1	14.7	14.4	15.0	15.3
4H	2H	13.6	14.3	13.9	14.6	14.8	13.8	14.5	14.1	14.8	15.0
	3H	14.1	14.7	14.4	15.0	15.3	14.3	14.9	14.6	15.2	15.5
	4H	14.2	14.8	14.6	15.1	15.4	14.4	14.9	14.8	15.3	15.6
	6H	14.2	14.7	14.6	15.1	15.5	14.4	14.9	14.8	15.2	15.6
	8H	14.2	14.6	14.6	15.0	15.4	14.3	14.8	14.8	15.2	15.6
8H	12H	14.1	14.5	14.6	14.9	15.4	14.3	14.7	14.7	15.1	15.5
	4H	14.1	14.6	14.6	15.0	15.4	14.3	14.8	14.7	15.2	15.6
	6H	14.2	14.5	14.6	15.0	15.4	14.3	14.7	14.8	15.1	15.6
	8H	14.1	14.5	14.6	14.9	15.4	14.3	14.6	14.8	15.1	15.6
	12H	14.1	14.3	14.6	14.8	15.4	14.2	14.5	14.7	15.0	15.5
12H	4H	14.1	14.5	14.5	14.9	15.4	14.3	14.7	14.7	15.1	15.5
	6H	14.1	14.4	14.6	14.9	15.4	14.3	14.6	14.8	15.1	15.5
	8H	14.1	14.4	14.6	14.8	15.4	14.2	14.5	14.7	15.0	15.5
Variations with the observer position at spacings:											
S = 1.0H		+ 1.1 / - 1.5					+ 1.2 / - 1.5				
1.5H		+ 1.7 / - 1.1					+ 2.0 / - 1.2				
2.0H		+ 1.9 / - 1.5					+ 2.0 / - 1.6				

CIE Pub.117, 1809 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.1$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-11-15

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO020-61	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	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	78	74	84	78	74	83	77	73	70
0.80	92	86	82	91	85	82	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	81
1.25	101	95	92	100	95	91	98	93	90	86
1.50	104	99	95	102	98	95	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	112	110	112	110	108	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR _{NOM} = 1.25		

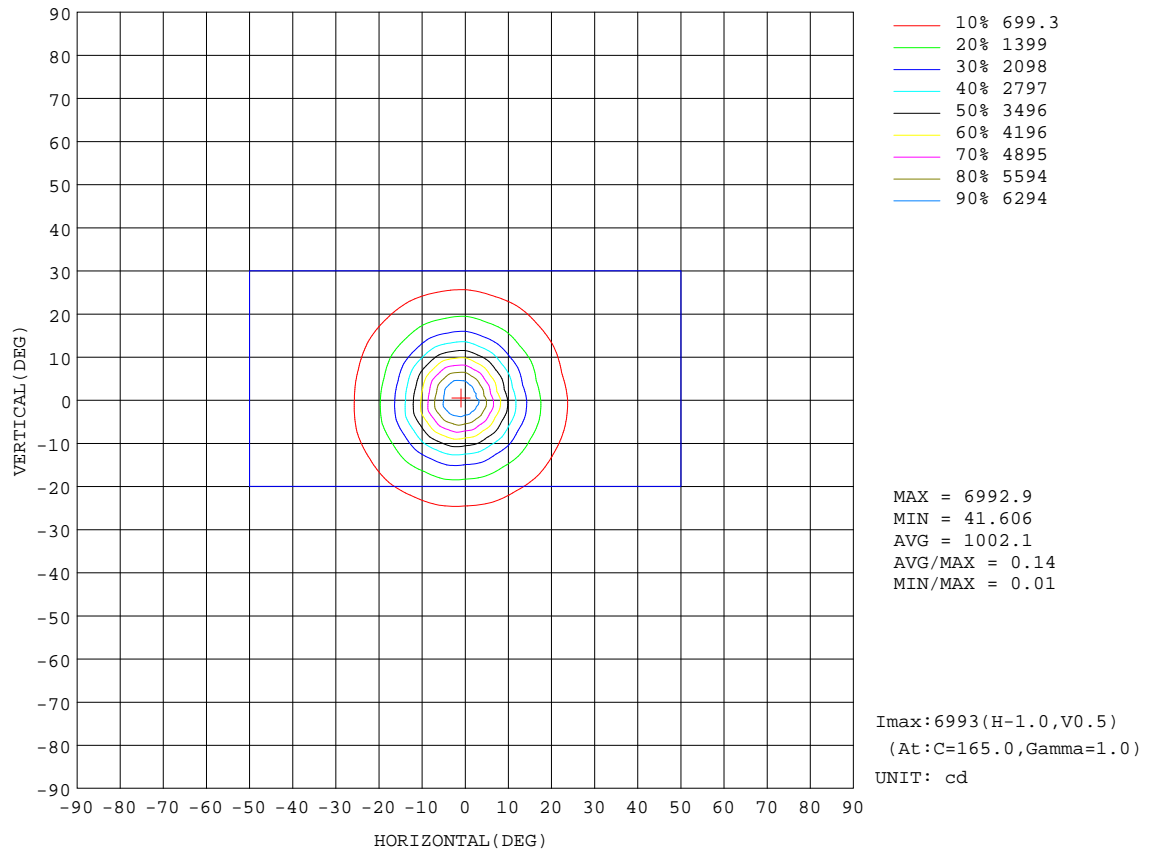
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Remarks:

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ISOCANDELA DIAGRAM

NAME: TLO020-61	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:



C Range: 0 - 360DEG
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Test Speed: HIGH
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Test Date:2024-11-15

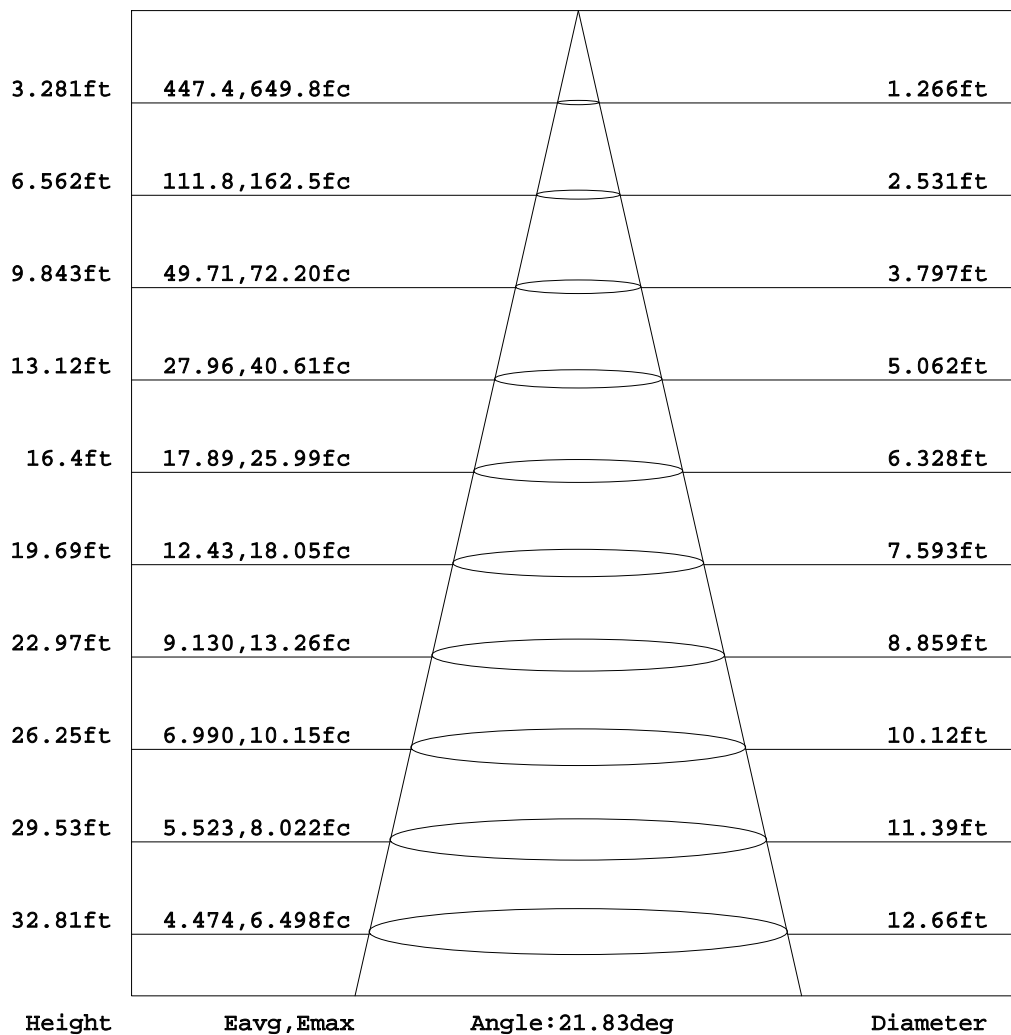
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

AAI Figure

NAME: TLO020-61	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

Flux out: 571.6 lm



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

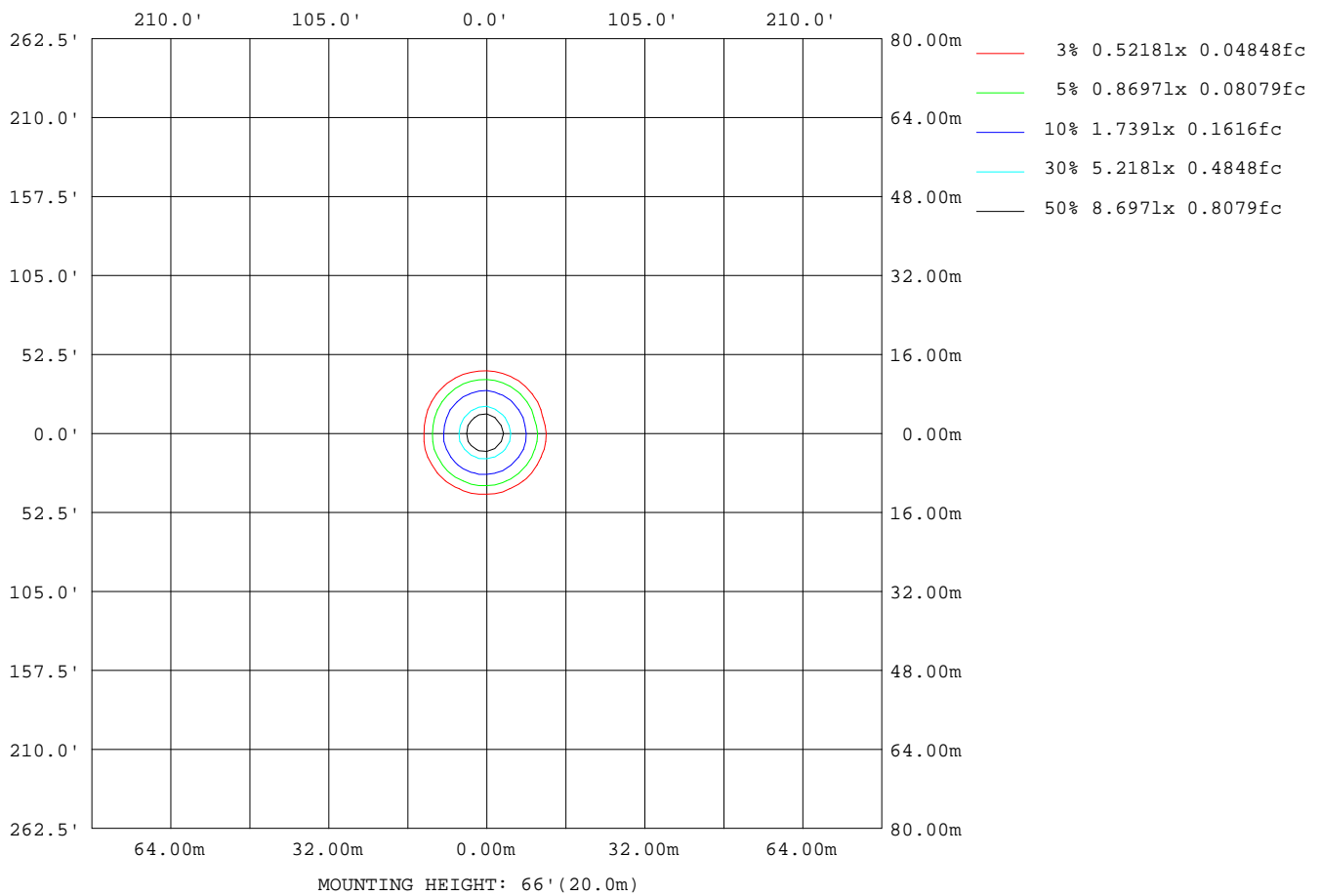
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TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO020-61	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
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TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO020-61	TYPE:22D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

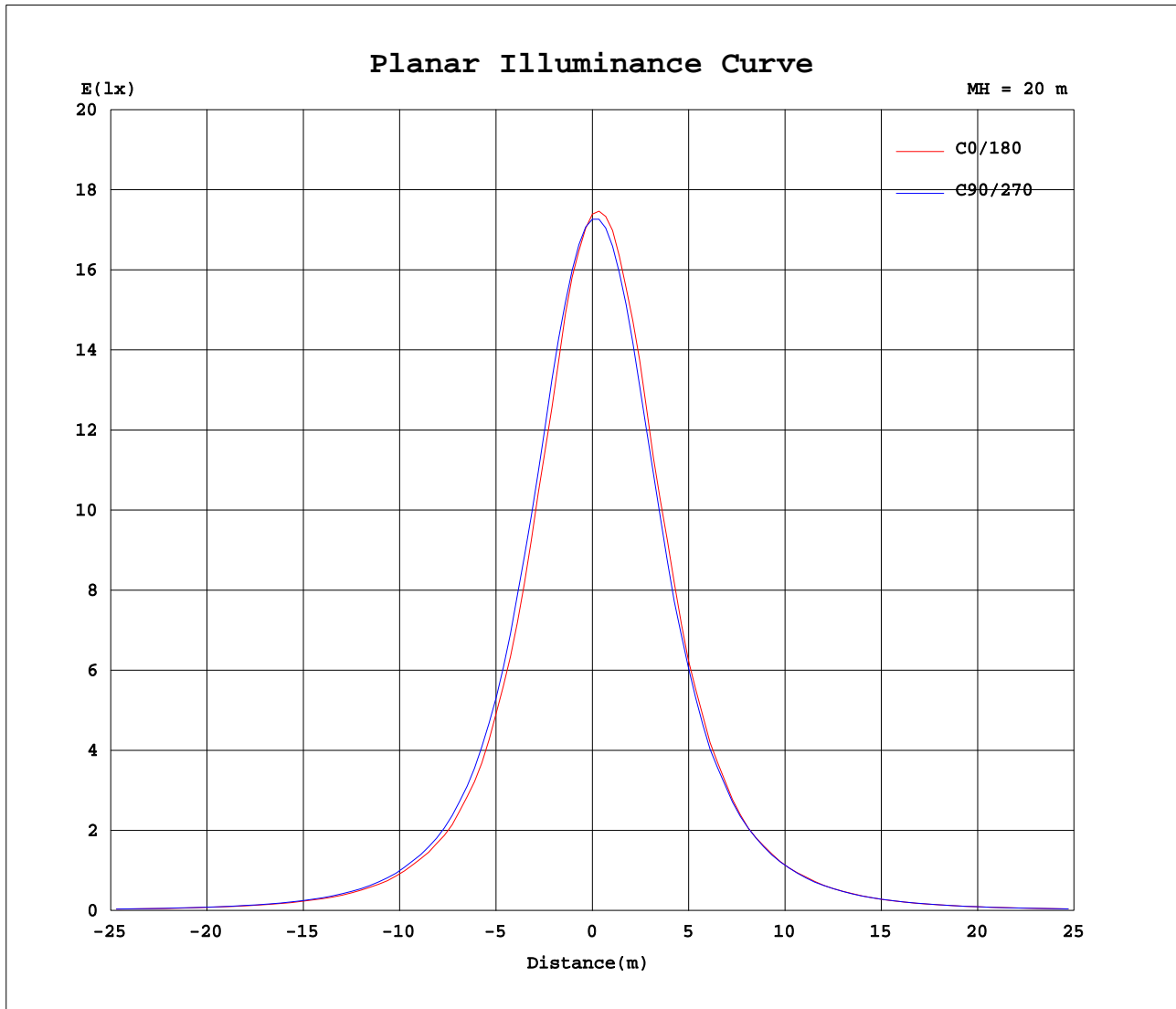
AvgL	cd/m2
L_0~180(65)av	7325
L_0~180(75)av	4276
L_0~180(85)av	888
L_90~270(65)av	7341
L_90~270(75)av	4320
L_90~270(85)av	866
L_45(65)av	6963
L_45(75)av	4094
L_45(85)av	959

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-11-15

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: 15.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: LXJ
 Test Date: 2024-11-15

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-61	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

Table--1

UNIT: cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918	6918
5	5519	5583	5525	5601	5598	5729	5789	5980	6057	6245	6283	6434	6260	6273	6387	6327	6363	6208	6137
10	3401	3473	3389	3509	3492	3663	3710	3958	4023	4269	4280	4490	4271	4256	4413	4321	4398	4195	4124
15	1885	1933	1873	1959	1940	2067	2084	2254	2280	2457	2448	2597	2447	2415	2530	2469	2531	2392	2368
20	1027	1069	1043	1086	1073	1141	1145	1235	1245	1338	1325	1403	1329	1304	1378	1348	1384	1315	1307
25	610	613	610	631	628	656	666	704	717	765	754	794	754	743	783	774	788	752	747
30	357	360	354	374	370	386	386	413	428	457	451	469	446	443	464	466	470	445	439
35	216	218	215	223	221	231	233	247	257	275	275	279	266	265	282	282	282	269	265
40	138	140	137	141	139	147	148	155	159	171	170	171	165	164	174	173	174	169	166
45	90.7	91.1	90.8	91.1	91.9	95.4	97.2	101	104	110	110	111	107	108	113	111	113	110	108
50	63.0	63.0	61.3	62.7	62.5	65.5	67.2	69.6	71.7	74.8	75.4	76.7	73.7	74.2	76.5	75.4	76.6	74.6	73.6
55	45.6	45.2	43.4	44.3	44.1	46.7	48.1	49.7	50.7	53.0	53.3	54.8	53.3	52.6	53.7	53.0	53.6	52.4	52.4
60	32.9	32.4	30.9	31.0	31.3	33.4	34.6	35.7	36.0	37.6	38.0	39.7	38.8	37.9	38.1	37.5	38.1	37.6	37.7
65	22.7	22.5	21.1	21.1	21.4	23.1	23.7	24.9	25.0	26.0	26.5	28.1	27.5	26.7	26.7	25.9	26.8	26.4	26.5
70	14.3	14.2	13.4	13.6	13.2	14.3	14.6	15.7	16.0	17.1	17.1	18.1	17.5	17.0	17.5	17.1	17.9	17.5	17.5
75	7.95	7.86	7.25	7.06	7.05	7.90	8.15	8.83	8.83	9.43	9.63	10.4	9.97	9.72	9.90	9.95	10.4	10.1	9.96
80	2.85	2.99	2.54	2.77	2.50	2.92	2.94	3.55	3.60	3.90	4.22	4.94	4.45	4.38	4.60	4.22	4.74	4.59	4.42
85	0.49	0.48	0.49	0.51	0.49	0.48	0.49	0.56	0.67	0.82	0.87	1.08	0.77	0.79	0.98	0.90	0.96	0.78	0.73
90	0.52	0.54	0.53	0.55	0.53	0.55	0.53	0.54	0.51	0.52	0.49	0.51	0.44	0.41	0.42	0.41	0.43	0.42	0.46
95	0.64	0.66	0.66	0.67	0.66	0.67	0.65	0.65	0.63	0.63	0.60	0.61	0.55	0.52	0.53	0.52	0.54	0.53	0.57
100	0.80	0.82	0.81	0.83	0.82	0.83	0.81	0.81	0.77	0.77	0.75	0.75	0.69	0.66	0.67	0.66	0.68	0.68	0.72
105	1.03	1.04	1.05	1.06	1.06	1.05	1.03	1.02	0.98	0.97	0.94	0.93	0.87	0.85	0.85	0.85	0.86	0.87	0.91
110	1.37	1.37	1.39	1.40	1.41	1.38	1.36	1.33	1.30	1.26	1.23	1.20	1.12	1.11	1.11	1.11	1.12	1.15	1.18
115	1.91	1.89	1.94	1.93	1.98	1.91	1.90	1.82	1.79	1.72	1.67	1.62	1.51	1.51	1.49	1.52	1.52	1.57	1.59
120	2.78	2.74	2.83	2.80	2.88	2.76	2.76	2.62	2.58	2.44	2.39	2.29	2.14	2.15	2.11	2.16	2.16	2.24	2.28
125	4.20	4.18	4.30	4.26	4.34	4.19	4.17	3.96	3.84	3.65	3.58	3.42	3.21	3.22	3.17	3.24	3.25	3.39	3.44
130	6.52	6.53	6.77	6.64	6.72	6.52	6.52	6.11	5.96	5.63	5.55	5.29	5.01	5.02	4.93	5.05	5.06	5.28	5.37
135	10.1	10.0	10.3	10.1	10.3	9.95	9.90	9.40	9.19	8.75	8.60	8.29	7.90	7.86	7.77	7.87	7.95	8.20	8.40
140	14.4	14.3	14.6	14.4	14.6	14.2	14.1	13.6	13.4	12.9	12.7	12.3	11.9	11.8	11.7	11.8	11.9	12.2	12.4
145	18.5	18.5	18.6	18.5	18.6	18.3	18.3	17.8	17.6	17.2	17.0	16.8	16.3	16.2	16.1	16.1	16.2	16.5	16.7
150	21.7	21.6	21.7	21.6	21.8	21.6	21.6	21.3	21.1	20.8	20.7	20.5	20.1	20.0	19.9	20.0	20.0	20.2	20.4
155	23.5	23.4	23.4	23.4	23.6	23.5	23.6	23.5	23.4	23.2	23.2	23.1	22.8	22.7	22.6	22.6	22.7	22.9	22.9
160	23.8	23.7	23.7	23.6	23.9	24.1	24.3	24.3	24.2	24.2	24.2	24.3	24.0	23.9	23.8	23.8	24.0	24.1	24.2
165	22.4	22.3	22.2	22.4	22.6	23.0	23.3	23.5	23.5	23.7	23.7	24.0	23.7	23.6	23.5	23.4	23.6	23.6	23.6
170	20.0	19.9	19.9	20.1	20.4	20.8	21.0	21.4	21.6	21.9	22.1	22.3	21.8	21.9	22.0	21.6	21.6	21.4	21.3
175	17.9	17.8	17.9	18.1	18.3	18.3	18.5	18.8	19.2	19.7	19.8	19.8	19.3	19.4	19.7	19.6	19.4	19.1	18.9
180	17.8	17.8	18.0	18.2	18.1	18.0	18.0	18.1	18.2	18.4	18.2	18.1	17.8	17.8	18.0	18.2	18.1	18.0	18.0

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-11-15

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:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 22D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-61	TYPE: 22D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	6918	6918	6918	6918	6918														
5	5911	5796	5601	5541	5401														
10	3852	3721	3504	3450	3294														
15	2182	2110	1960	1927	1807														
20	1203	1172	1087	1068	994														
25	698	686	642	617	577														
30	417	414	385	366	343														
35	251	250	234	224	209														
40	157	156	146	143	133														
45	102	100	95.7	93.5	88.7														
50	69.9	68.5	65.3	64.3	62.0														
55	49.6	48.6	46.3	45.9	44.7														
60	35.5	34.6	32.6	32.6	31.9														
65	24.8	23.9	22.3	22.4	21.9														
70	16.2	15.5	14.3	14.3	13.6														
75	9.17	8.62	7.90	7.68	7.39														
80	3.90	3.55	3.00	2.94	2.55														
85	0.56	0.58	0.48	0.42	0.41														
90	0.44	0.46	0.46	0.48	0.47														
95	0.56	0.58	0.58	0.60	0.59														
100	0.71	0.74	0.74	0.77	0.77														
105	0.92	0.95	0.95	0.98	0.98														
110	1.20	1.24	1.27	1.28	1.31														
115	1.65	1.69	1.75	1.76	1.81														
120	2.38	2.42	2.53	2.54	2.65														
125	3.60	3.67	3.82	3.87	4.00														
130	5.63	5.73	6.01	6.05	6.31														
135	8.74	8.94	9.33	9.41	9.74														
140	12.8	13.1	13.6	13.7	14.0														
145	17.1	17.4	17.8	17.9	18.2														
150	20.7	20.8	21.2	21.2	21.5														
155	23.1	23.1	23.2	23.1	23.4														
160	24.1	23.9	23.7	23.5	23.7														
165	23.3	23.0	22.4	22.2	22.3														
170	20.9	20.6	20.2	20.1	20.0														
175	18.8	18.8	18.6	18.1	18.1														
180	18.1	18.2	18.4	18.2	18.1														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: LXJ
 Test Date: 2024-11-15

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: