

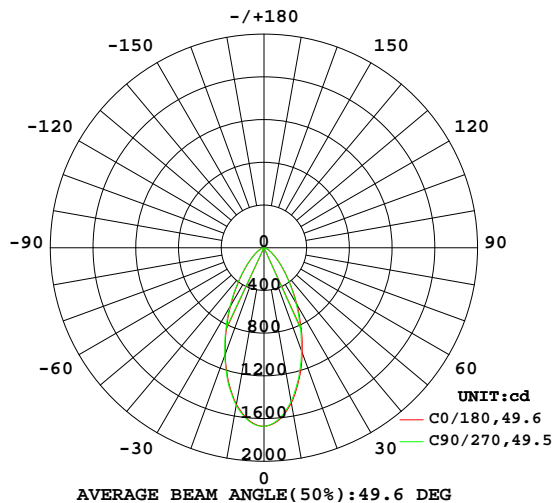
TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

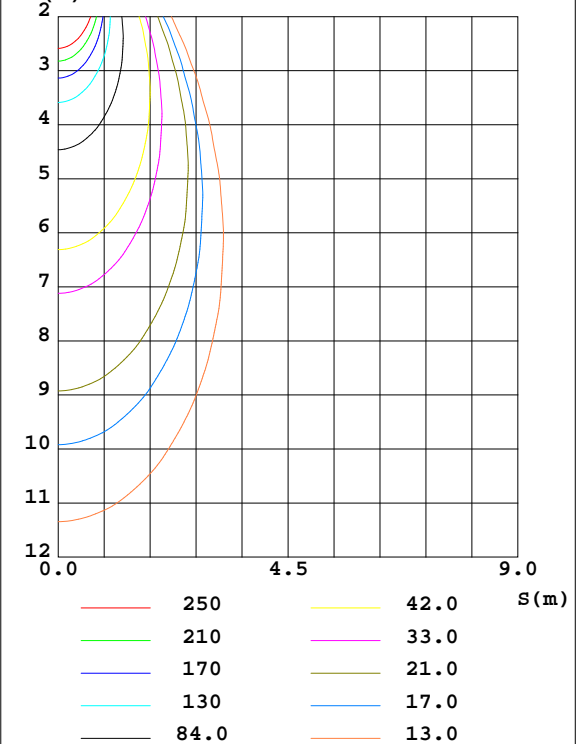
NAME: TLO020-61	TYPE: 50D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.96 lm/W			
MODEL		Imax(cd)	1672	S/MH(C0/180)	0.76
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1530.8	η UP,DN(C0-180)	1.2,48.4
NOMINAL FLUX(lm)	1530.85	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,49.3
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	97.7	CIBSE SHR MAX	0.85

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: 2024-12-07

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 50D 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	1476	1461	1461	1475	1491	1506	1500	1488	0- 10	150.2	150.2	9.81,9.81
20	1048	1029	1027	1046	1062	1084	1075	1058	10- 20	355.1	505.2	33,33
30	617.4	604.3	602.8	615.6	623.9	646.3	638.1	626.9	20- 30	378.8	884.0	57.7,57.7
40	313.7	305.3	304.9	314.8	315.8	328.6	324.7	318.0	30- 40	282.8	1167	76.2,76.2
50	146.0	143.0	145.4	148.1	150.6	153.8	153.9	149.9	40- 50	170.4	1337	87.4,87.4
60	68.95	65.84	68.48	68.70	69.90	70.03	71.37	68.45	50- 60	92.32	1430	93.4,93.4
70	28.30	27.47	27.94	28.41	29.07	29.33	30.31	28.56	60- 70	46.21	1476	96.4,96.4
80	6.465	5.499	5.965	5.865	6.393	6.440	6.907	6.099	70- 80	17.23	1493	97.5,97.5
90	0.6373	0.6447	0.6520	0.6358	0.5720	0.5605	0.5725	0.5728	80- 90	2.065	1495	97.7,97.7
100	1.159	1.185	1.188	1.165	1.059	1.027	1.046	1.056	90-100	0.9020	1496	97.7,97.7
110	2.198	2.237	2.238	2.196	2.006	1.950	1.970	2.004	100-110	1.637	1498	97.8,97.8
120	3.999	4.084	4.090	4.016	3.701	3.599	3.622	3.677	110-120	2.862	1500	98,98
130	6.701	6.818	6.844	6.704	6.363	6.192	6.230	6.301	120-130	4.555	1505	98.3,98.3
140	10.04	10.14	10.21	10.04	9.673	9.448	9.513	9.538	130-140	6.266	1511	98.7,98.7
150	13.10	13.18	13.30	13.22	12.82	12.66	12.70	12.67	140-150	7.148	1518	99.2,99.2
160	14.89	15.09	15.37	15.23	14.88	14.86	15.04	14.74	150-160	6.490	1525	99.6,99.6
170	15.85	15.89	16.15	16.13	16.05	16.02	16.00	15.82	160-170	4.397	1529	99.9,99.9
180	16.59	16.71	16.52	16.73	16.61	16.72	16.54	16.74	170-180	1.550	1531	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

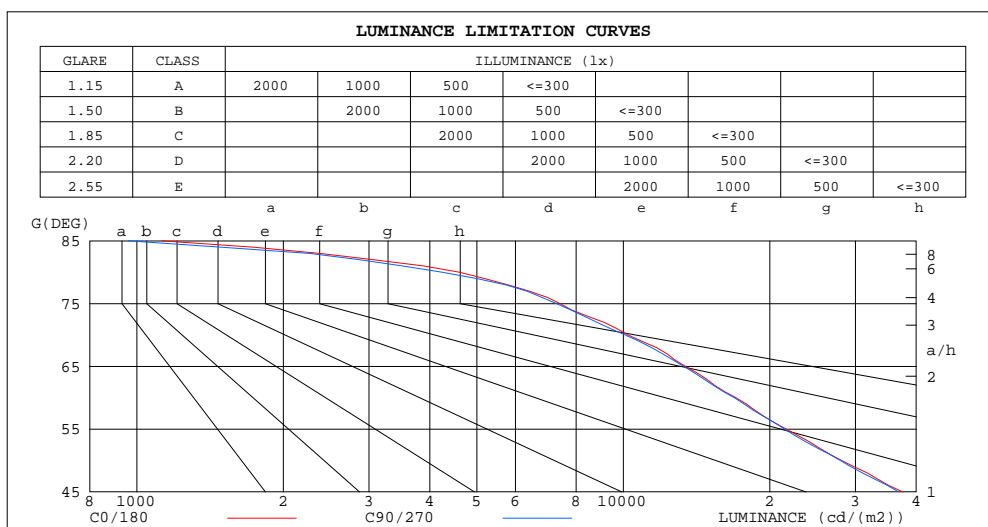
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2024-12-07

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 50D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO020-61	TYPE: 50D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-12-07

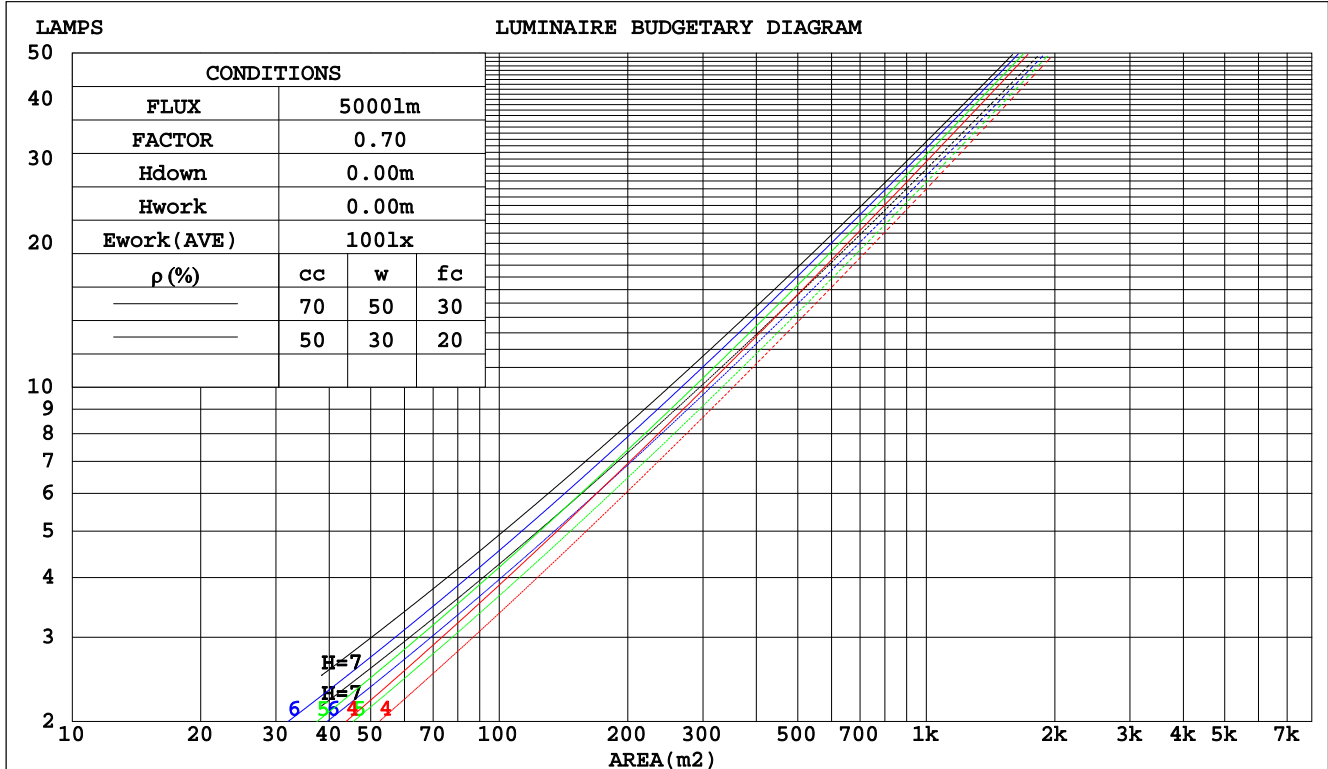
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-61	TYPE:50D	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	1.09	1.06	1.03	1.06	1.04	1.01	1.02	.00	.98	.98	.96	.95	.94	.93	.91	.89
2.0	.00	.95	.91	.98	.93	.90	.94	.90	.87	.91	.88	.85	.87	.85	.83	.81
3.0	.92	.86	.81	.90	.85	.80	.87	.82	.79	.84	.80	.77	.81	.78	.76	.74
4.0	.84	.78	.73	.83	.77	.73	.81	.76	.72	.78	.74	.71	.76	.72	.69	.68
5.0	.78	.72	.67	.77	.71	.66	.75	.70	.66	.73	.68	.65	.71	.67	.64	.62
6.0	.73	.66	.61	.72	.66	.61	.70	.64	.60	.68	.63	.60	.67	.62	.59	.57
7.0	.68	.61	.57	.67	.61	.56	.66	.60	.56	.64	.59	.55	.63	.58	.55	.53
8.0	.64	.57	.52	.63	.57	.52	.62	.56	.52	.60	.55	.52	.59	.55	.51	.50
9.0	.60	.53	.49	.59	.53	.49	.58	.52	.48	.57	.52	.48	.56	.51	.48	.46
10.0	.56	.50	.46	.56	.50	.46	.55	.49	.45	.54	.49	.45	.53	.48	.45	.43



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-07

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 50D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO020-61	TYPE:50D	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	.206	.117	.037	.198	.113	.036	.184	.106	.034	.171	.099	.032	.159	.092	.030		
2.0	.198	.109	.033	.192	.106	.033	.180	.100	.031	.169	.095	.030	.158	.090	.028		
3.0	.188	.100	.030	.183	.098	.029	.172	.093	.028	.162	.089	.027	.153	.085	.026		
4.0	.178	.093	.027	.173	.091	.027	.164	.087	.026	.155	.083	.025	.147	.080	.024		
5.0	.168	.086	.025	.164	.084	.025	.156	.081	.024	.148	.078	.023	.141	.075	.023		
6.0	.159	.080	.023	.155	.079	.023	.148	.076	.022	.141	.074	.022	.135	.071	.021		
7.0	.151	.075	.021	.148	.074	.021	.141	.071	.021	.135	.069	.020	.129	.067	.020		
8.0	.143	.070	.020	.140	.069	.020	.134	.067	.019	.129	.065	.019	.124	.064	.019		
9.0	.136	.066	.018	.134	.065	.018	.128	.063	.018	.123	.062	.018	.119	.060	.017		
10.0	.130	.062	.017	.127	.062	.017	.123	.060	.017	.118	.059	.017	.114	.057	.016		

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	.122	.122	.122	.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	.127	.152	.130	.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	.135	.102	.076	.093	.071	.053	.054	.042	.032	.017	.014	.010		
5.0	.149	.106	.075	.128	.092	.065	.088	.064	.046	.051	.038	.027	.017	.012	.009		
6.0	.142	.097	.065	.122	.084	.057	.084	.059	.040	.049	.035	.024	.016	.011	.008		
7.0	.136	.090	.058	.117	.078	.051	.081	.055	.036	.047	.032	.021	.015	.011	.007		
8.0	.130	.084	.053	.112	.073	.046	.077	.051	.033	.045	.030	.019	.015	.010	.006		
9.0	.125	.079	.048	.107	.069	.042	.074	.048	.030	.043	.028	.018	.014	.009	.006		
10.0	.120	.075	.045	.103	.065	.039	.072	.046	.028	.042	.027	.016	.014	.009	.005		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-07

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 50D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-61					TYPE:50D					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					20.0	21.0	20.2	21.3	21.5	19.9	21.0	20.2	21.2	21.4
3H					20.3	21.2	20.6	21.5	21.8	20.2	21.2	20.5	21.4	21.7
4H					20.3	21.2	20.6	21.5	21.8	20.2	21.2	20.6	21.4	21.7
6H					20.3	21.2	20.6	21.4	21.7	20.2	21.1	20.6	21.4	21.7
8H					20.3	21.1	20.6	21.4	21.7	20.2	21.0	20.5	21.3	21.6
12H					20.2	21.0	20.6	21.3	21.7	20.1	20.9	20.5	21.2	21.6
4H 2H					20.0	21.0	20.4	21.2	21.5	20.0	20.9	20.3	21.2	21.4
3H					20.4	21.2	20.8	21.5	21.9	20.4	21.2	20.7	21.5	21.8
4H					20.5	21.2	20.9	21.6	22.0	20.5	21.2	20.8	21.5	21.9
6H					20.5	21.2	21.0	21.5	21.9	20.5	21.1	20.9	21.5	21.9
8H					20.5	21.1	20.9	21.5	21.9	20.4	21.0	20.9	21.4	21.8
12H					20.5	21.0	20.9	21.4	21.8	20.4	20.9	20.8	21.3	21.8
8H 4H					20.5	21.1	20.9	21.5	21.9	20.4	21.0	20.8	21.4	21.8
6H					20.5	21.0	21.0	21.4	21.9	20.4	20.9	20.9	21.4	21.8
8H					20.5	20.9	21.0	21.4	21.9	20.4	20.8	20.9	21.3	21.8
12H					20.4	20.8	20.9	21.3	21.8	20.4	20.7	20.9	21.2	21.7
12H 4H					20.4	21.0	20.9	21.4	21.8	20.4	20.9	20.8	21.3	21.8
6H					20.5	20.9	20.9	21.3	21.8	20.4	20.8	20.9	21.3	21.8
8H					20.4	20.8	20.9	21.3	21.8	20.4	20.7	20.9	21.2	21.7
Variations with the observer position at spacings:														
S = 1.0H					+ 1.1 / - 1.6					+ 1.1 / - 1.6				
1.5H					+ 1.5 / - 1.1					+ 1.4 / - 1.1				
2.0H					+ 2.2 / - 1.8					+ 2.2 / - 1.7				

CIE Pub.117, 1531 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.5$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-07

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 50D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

NAME: TLO020-61	TYPE:50D	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	77	68	64	76	68	63	75	68	63	59
0.80	85	78	73	84	77	72	83	76	72	67
1.00	91	84	79	90	83	79	88	84	78	73
1.25	97	90	85	95	89	85	93	88	84	78
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	95	102	98	94	99	95	92	86
2.50	106	102	98	105	100	97	101	97	94	87
3.00	109	104	101	106	103	99	103	99	97	89
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										

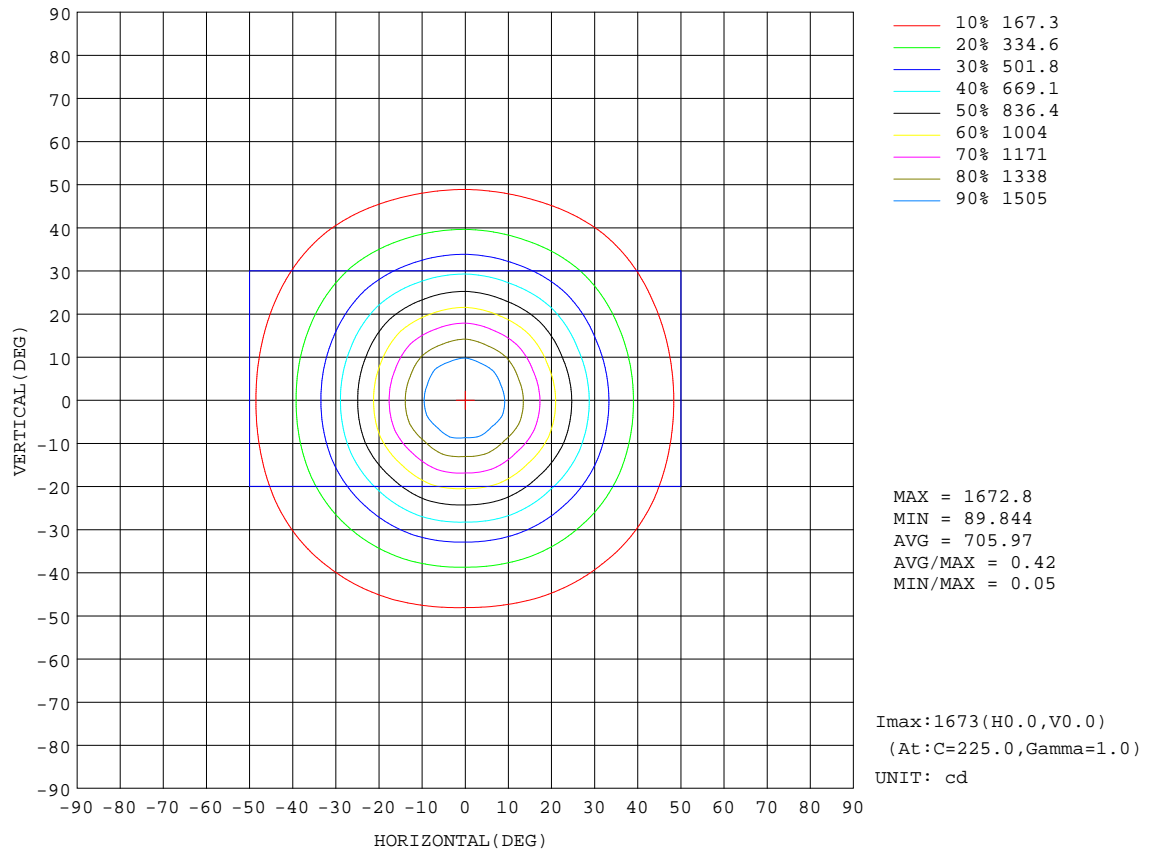
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 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

ISOCANDELA DIAGRAM

NAME: TLO020-61	TYPE: 50D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2024-12-07

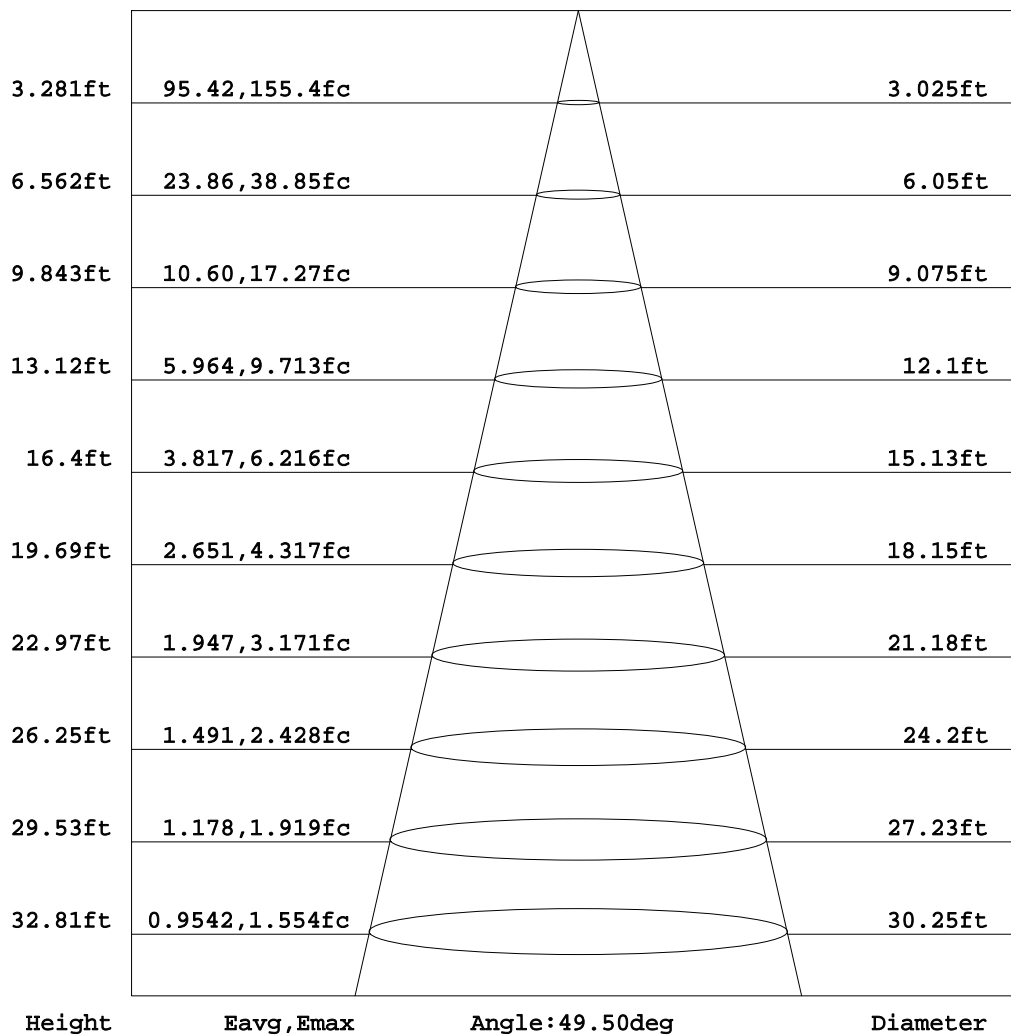
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
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Remarks:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

AAI Figure

NAME: TLO020-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

Flux out:701.6 lm



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

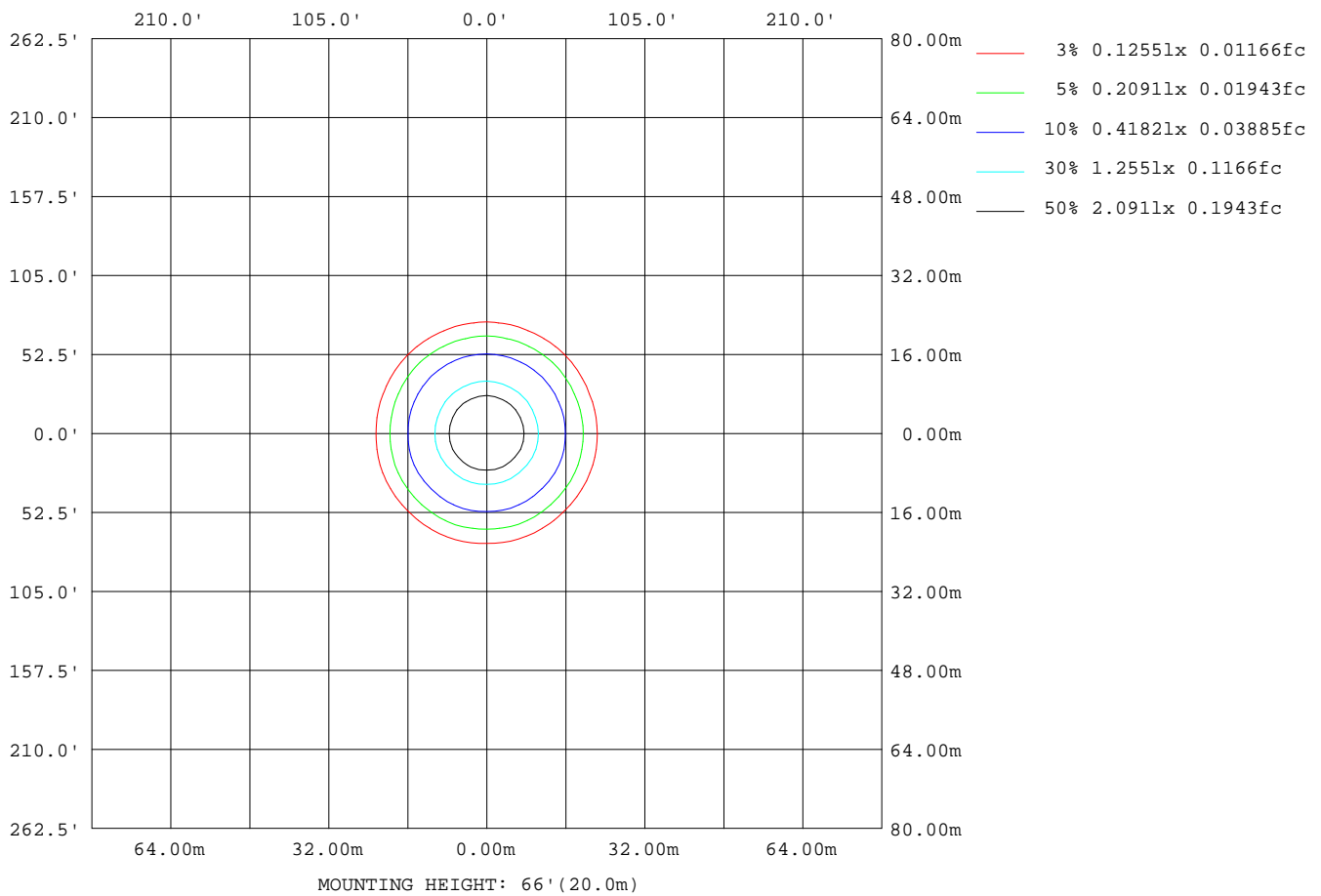
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Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 50D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO020-61	TYPE: 50D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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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 50D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO020-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

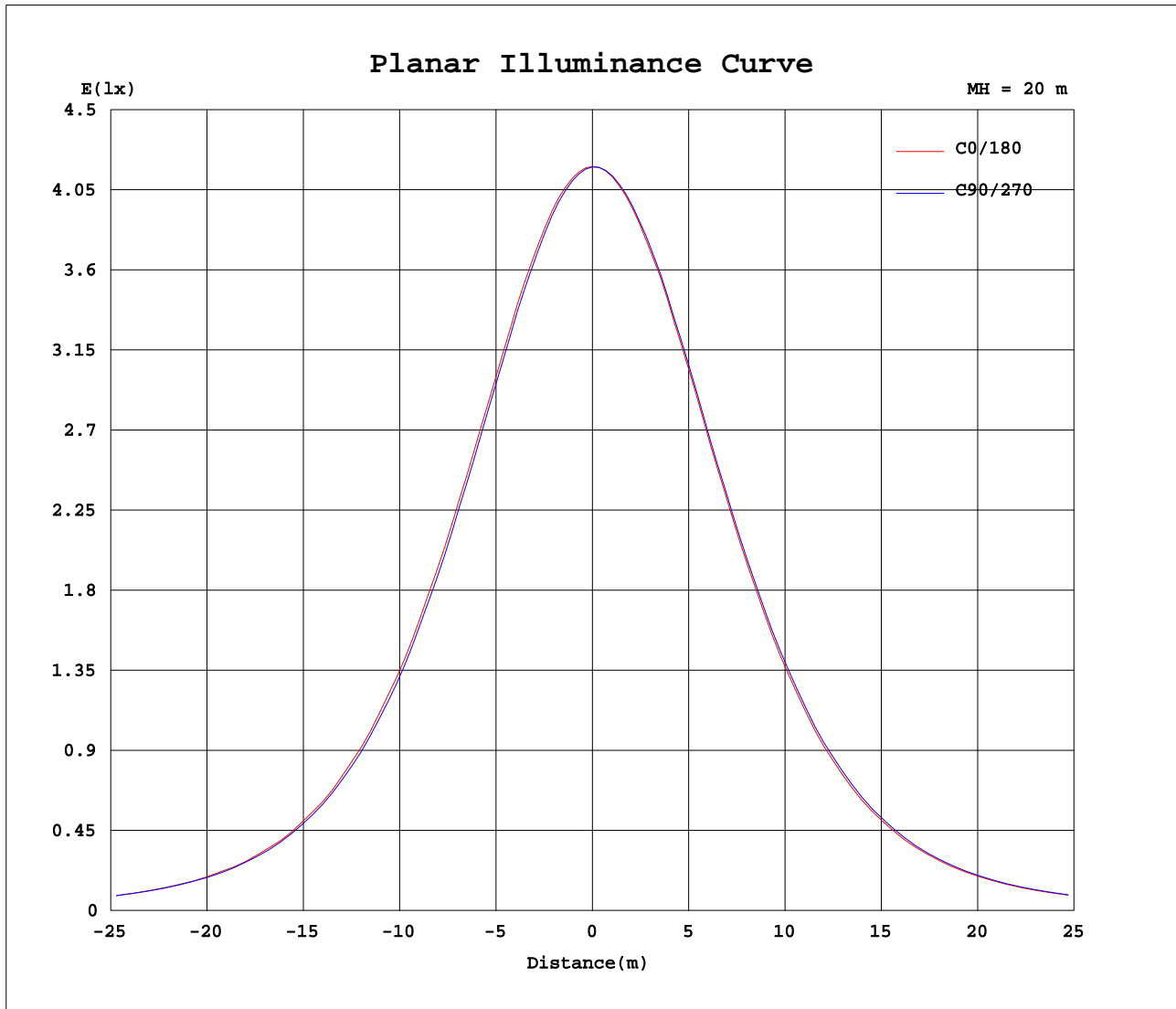
AvgL	cd/m2
L_0~180(65)av	13513
L_0~180(75)av	7440
L_0~180(85)av	1047
L_90~270(65)av	13608
L_90~270(75)av	7555
L_90~270(85)av	1111
L_45(65)av	13176
L_45(75)av	7536
L_45(85)av	1280

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-12-07

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: 2024-12-07

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 50D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-61	TYPE:50D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	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	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671			
5	1619	1617	1610	1613	1611	1618	1618	1625	1623	1624	1632	1627	1629	1622	1623	1616			
10	1476	1480	1461	1469	1461	1480	1475	1494	1491	1487	1506	1492	1500	1481	1488	1470			
15	1273	1279	1256	1264	1257	1279	1272	1297	1291	1288	1309	1295	1303	1279	1285	1265			
20	1048	1052	1029	1037	1027	1052	1046	1070	1062	1063	1084	1071	1075	1052	1058	1038			
25	821	826	805	813	802	826	819	841	832	837	858	845	847	827	831	816			
30	617	620	604	609	603	619	616	630	624	630	646	640	638	624	627	613			
35	444	445	435	440	434	446	446	454	450	455	467	462	463	452	453	442			
40	314	312	305	308	305	315	315	319	316	319	329	324	325	317	318	309			
45	215	214	210	212	211	217	216	220	219	219	226	223	225	219	219	212			
50	146	147	143	146	145	150	148	152	151	150	154	151	154	149	150	144			
55	100	99.9	97.1	99.5	99.8	102	101	103	102	102	104	103	105	101	101	98.3			
60	69.0	68.0	65.8	67.9	68.5	69.4	68.7	70.4	69.9	69.2	70.0	69.7	71.4	69.0	68.5	66.7			
65	45.9	45.5	43.7	45.4	45.5	46.6	45.0	47.0	46.6	46.0	46.4	46.3	47.6	45.5	45.3	44.5			
70	28.3	28.7	27.5	28.5	27.9	29.4	28.4	29.9	29.1	29.1	29.3	29.4	30.3	28.8	28.6	27.9			
75	15.5	15.5	14.9	15.3	15.3	15.9	15.6	16.3	15.7	15.6	16.8	16.0	16.4	15.7	16.0	14.9			
80	6.46	6.71	5.50	6.47	5.96	6.69	5.87	7.17	6.39	6.62	6.44	6.88	6.91	6.65	6.10	6.21			
85	0.79	0.92	0.86	0.81	0.68	0.85	0.78	0.94	0.68	0.78	1.05	0.90	0.89	0.83	0.92	0.69			
90	0.64	0.66	0.64	0.66	0.65	0.66	0.64	0.65	0.57	0.55	0.56	0.55	0.57	0.55	0.57	0.56			
95	0.85	0.87	0.87	0.88	0.87	0.87	0.85	0.85	0.78	0.75	0.75	0.75	0.77	0.76	0.78	0.77			
100	1.16	1.17	1.19	1.19	1.19	1.18	1.17	1.15	1.06	1.03	1.03	1.03	1.05	1.05	1.06	1.06			
105	1.60	1.60	1.63	1.63	1.63	1.60	1.60	1.57	1.45	1.43	1.42	1.43	1.44	1.45	1.45	1.48			
110	2.20	2.19	2.24	2.22	2.24	2.18	2.20	2.14	2.01	1.98	1.95	1.97	1.97	2.00	2.00	2.04			
115	2.99	2.98	3.05	3.02	3.05	2.98	2.99	2.91	2.74	2.72	2.67	2.71	2.69	2.74	2.73	2.80			
120	4.00	3.99	4.08	4.04	4.09	3.98	4.02	3.90	3.70	3.68	3.60	3.65	3.62	3.69	3.68	3.76			
125	5.25	5.24	5.36	5.30	5.37	5.23	5.26	5.15	4.91	4.88	4.77	4.83	4.80	4.88	4.86	4.98			
130	6.70	6.72	6.82	6.78	6.84	6.71	6.70	6.62	6.36	6.29	6.19	6.23	6.23	6.28	6.30	6.41			
135	8.32	8.35	8.44	8.43	8.48	8.35	8.34	8.26	7.98	7.88	7.78	7.79	7.81	7.86	7.89	7.97			
140	10.0	10.0	10.1	10.1	10.2	10.1	10.0	9.98	9.67	9.58	9.45	9.48	9.51	9.54	9.54	9.67			
145	11.7	11.6	11.7	11.8	11.9	11.7	11.7	11.6	11.3	11.2	11.1	11.2	11.2	11.2	11.2	11.3			
150	13.1	13.1	13.2	13.2	13.3	13.2	13.2	13.1	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7			
155	14.2	14.2	14.3	14.4	14.5	14.4	14.4	14.3	14.0	14.0	13.9	14.0	14.0	14.0	13.9	13.8			
160	14.9	14.9	15.1	15.2	15.4	15.3	15.2	15.2	14.9	14.9	14.9	15.0	15.0	14.9	14.7	14.7			
165	15.4	15.4	15.6	15.8	15.9	15.9	15.8	15.8	15.5	15.5	15.5	15.6	15.6	15.5	15.3	15.3			
170	15.9	15.9	15.9	16.1	16.1	16.1	16.1	16.2	16.0	16.1	16.0	16.0	16.0	15.9	15.8	15.8			
175	16.2	16.2	16.3	16.3	16.3	16.4	16.5	16.6	16.4	16.5	16.6	16.4	16.3	16.4	16.4	16.2			
180	16.6	16.6	16.7	16.6	16.5	16.6	16.7	16.7	16.6	16.6	16.7	16.5	16.5	16.6	16.7	16.6			

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