

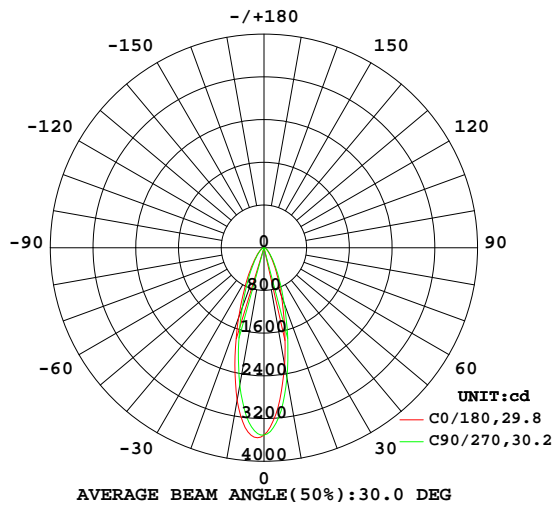
TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

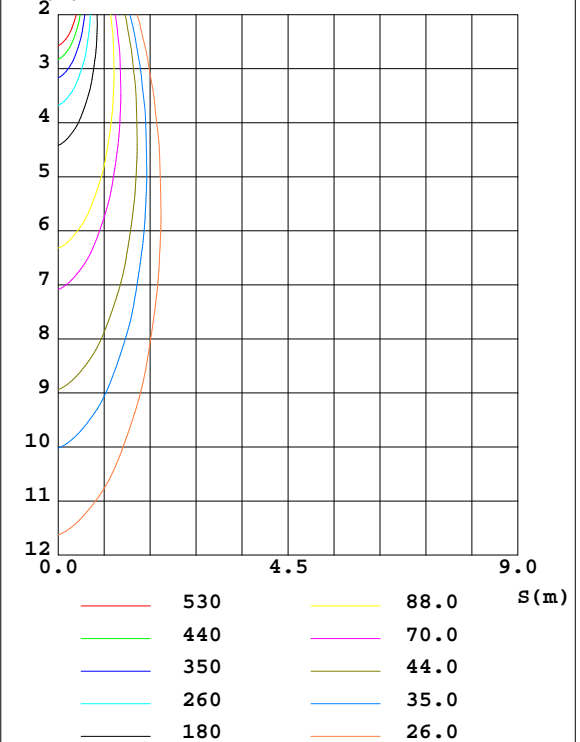
NAME: TLO020-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.16 lm/W			
MODEL		Imax(cd)	3561	S/MH(C0/180)	0.57
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1610.5	η UP,DN(C0-180)	1.2,47.3
NOMINAL FLUX(lm)	1610.53	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,50.3
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:2024-11-15

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 30D 3000K CRI90 NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2227	2266	2482	2754	2900	2891	2614	2322	0- 10	286.3	286.3	17.8,17.8
20	954.1	987.9	1110	1287	1387	1401	1196	1013	10- 20	492.9	779.2	48.4,48.4
30	389.6	410.8	455.1	534.9	563.5	569.5	487.3	418.2	20- 30	347.8	1127	70,70
40	178.3	183.0	203.8	235.6	244.2	246.3	216.8	189.1	30- 40	200.8	1328	82.4,82.4
50	91.86	92.73	104.6	117.5	122.3	120.0	109.6	97.17	40- 50	116.6	1444	89.7,89.7
60	48.28	47.78	55.77	62.30	66.00	63.12	58.37	50.14	50- 60	70.65	1515	94.1,94.1
70	19.71	20.13	24.96	28.68	32.14	29.36	26.86	21.09	60- 70	39.29	1554	96.5,96.5
80	2.874	3.576	5.693	7.934	9.762	8.411	6.389	3.714	70- 80	15.69	1570	97.5,97.5
90	0.6647	0.6590	0.6288	0.5655	0.4844	0.4924	0.5446	0.5846	80- 90	2.202	1572	97.6,97.6
100	1.083	1.080	1.003	0.9018	0.8018	0.8128	0.9006	0.9830	90-100	0.8094	1573	97.7,97.7
110	1.905	1.892	1.731	1.542	1.366	1.393	1.544	1.709	100-110	1.320	1574	97.8,97.8
120	3.614	3.609	3.254	2.853	2.502	2.561	2.848	3.190	110-120	2.223	1577	97.9,97.9
130	7.099	7.125	6.458	5.636	5.001	5.098	5.691	6.357	120-130	3.899	1580	98.1,98.1
140	12.51	12.38	11.59	10.48	9.583	9.694	10.59	11.51	130-140	6.459	1587	98.5,98.5
150	17.15	17.08	16.61	15.84	15.05	15.14	15.88	16.48	140-150	8.550	1595	99.1,99.1
160	18.45	18.66	19.03	18.77	18.35	18.45	18.82	18.42	150-160	8.149	1604	99.6,99.6
170	17.01	17.16	18.00	18.28	18.26	18.28	18.03	17.29	160-170	5.234	1609	99.9,99.9
180	16.81	17.14	16.97	17.21	16.83	17.16	16.98	17.21	170-180	1.658	1611	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

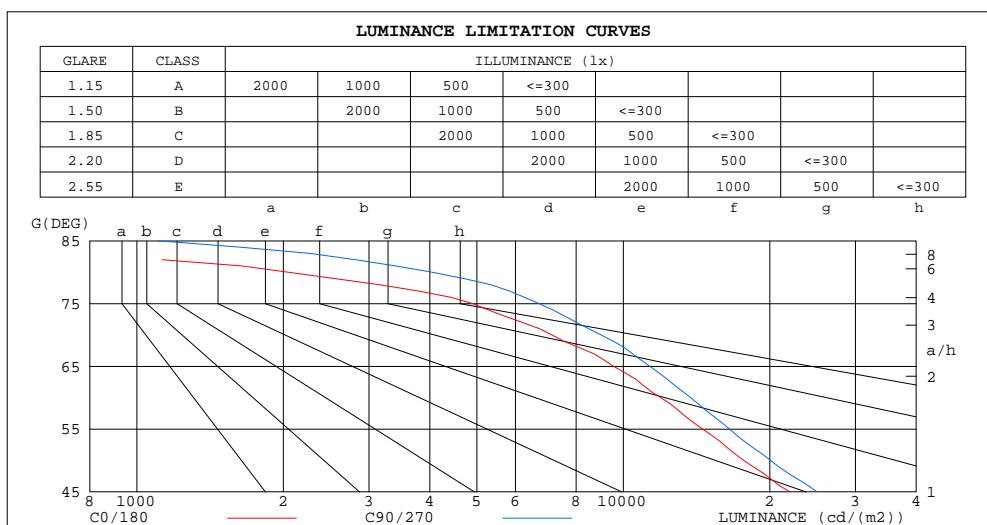
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2024-11-15

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 30D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

NAME: TLO020-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	777	1108
80	2047	4044
75	4898	6710
70	7129	9001
65	9546	11339
60	11944	13760
55	14553	16529
50	17676	20078
45	22033	25056

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-11-15

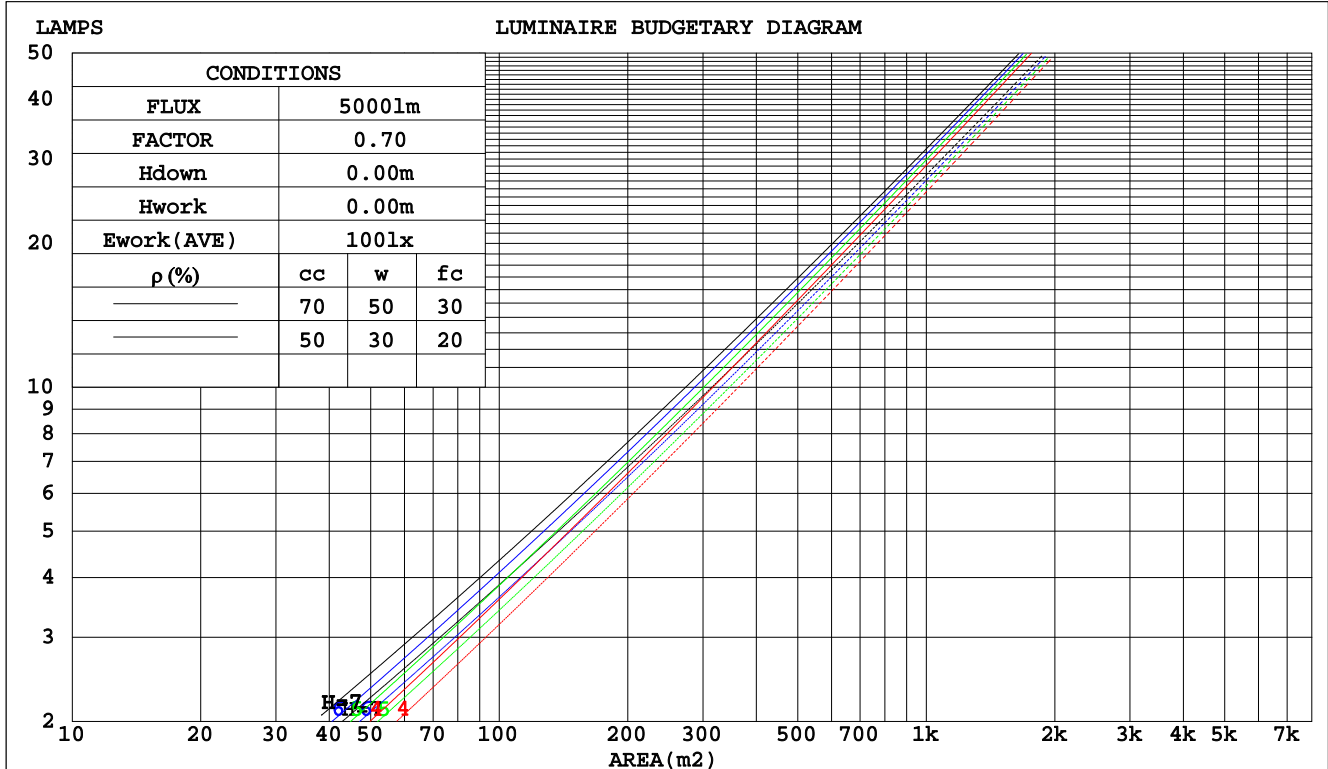
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-61	TYPE:30D	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	1.10	1.07	1.05	1.07	1.05	1.03	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.02	.98	.94	.00	.96	.93	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.95	.90	.86	.93	.89	.85	.90	.86	.83	.88	.84	.82	.85	.82	.80	.78
4.0	.89	.83	.79	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.77	.75	.73
5.0	.83	.78	.73	.82	.77	.73	.80	.76	.72	.78	.74	.71	.77	.73	.70	.69
6.0	.79	.73	.69	.78	.72	.68	.76	.71	.68	.74	.70	.67	.73	.69	.66	.65
7.0	.74	.69	.64	.74	.68	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.61
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.60	.68	.63	.60	.66	.62	.60	.58
9.0	.67	.62	.58	.67	.61	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
10.0	.64	.59	.55	.64	.58	.55	.63	.58	.55	.62	.57	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 22.5DEG
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 30D 3000K CRI90 NA

WEC AND CCEC

NAME: TLO020-61	TYPE:30D	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	.186	.106	.034	.179	.102	.032	.165	.094	.030	.152	.088	.028	.140	.081	.026		
2.0	.177	.097	.030	.171	.094	.029	.159	.088	.027	.148	.083	.026	.138	.078	.025		
3.0	.167	.089	.027	.162	.087	.026	.151	.082	.025	.142	.078	.024	.133	.074	.023		
4.0	.157	.082	.024	.153	.080	.024	.144	.076	.023	.135	.073	.022	.128	.069	.021		
5.0	.148	.076	.022	.144	.074	.022	.136	.071	.021	.129	.068	.020	.122	.065	.020		
6.0	.140	.070	.020	.137	.069	.020	.130	.066	.019	.123	.064	.019	.117	.062	.018		
7.0	.133	.066	.019	.130	.065	.018	.123	.062	.018	.118	.060	.018	.112	.058	.017		
8.0	.126	.062	.017	.123	.061	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016		
9.0	.120	.058	.016	.117	.057	.016	.112	.056	.016	.108	.054	.015	.103	.052	.015		
10.0	.114	.055	.015	.112	.054	.015	.108	.053	.015	.103	.051	.015	.099	.050	.014		

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	.190	.175	.162	.163	.151	.140	.111	.104	.097	.064	.060	.056	.021	.019	.018	
2.0	.175	.151	.130	.150	.130	.113	.103	.090	.079	.059	.052	.046	.019	.017	.015	
3.0	.163	.132	.107	.140	.114	.093	.096	.079	.065	.055	.046	.038	.018	.015	.013	
4.0	.153	.118	.091	.131	.102	.079	.090	.071	.055	.052	.041	.033	.017	.013	.011	
5.0	.144	.106	.078	.124	.092	.068	.085	.064	.048	.049	.038	.028	.016	.012	.009	
6.0	.136	.097	.068	.117	.084	.060	.081	.059	.042	.047	.034	.025	.015	.011	.008	
7.0	.129	.089	.061	.111	.077	.053	.077	.054	.038	.045	.032	.022	.014	.010	.007	
8.0	.123	.083	.055	.106	.072	.048	.073	.050	.034	.043	.030	.020	.014	.010	.007	
9.0	.118	.078	.050	.101	.067	.044	.070	.047	.031	.041	.028	.019	.013	.009	.006	
10.0	.113	.073	.047	.097	.063	.041	.068	.045	.029	.039	.026	.017	.013	.009	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
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 30D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-61					TYPE:30D			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		16.5	17.4	16.8	17.6	17.9	17.1	18.0	17.3	18.2	18.4
3H		16.9	17.8	17.2	18.0	18.3	17.6	18.4	17.9	18.7	18.9
4H		17.0	17.8	17.3	18.1	18.3	17.7	18.5	18.0	18.8	19.0
6H		16.9	17.7	17.3	18.0	18.3	17.7	18.5	18.0	18.8	19.1
8H		16.9	17.6	17.2	17.9	18.2	17.7	18.4	18.0	18.7	19.0
12H		16.8	17.5	17.2	17.9	18.2	17.6	18.3	18.0	18.6	19.0
4H	2H	16.7	17.5	17.0	17.8	18.0	17.2	18.0	17.5	18.3	18.5
	3H	17.2	17.9	17.5	18.2	18.5	17.8	18.5	18.1	18.8	19.1
	4H	17.3	17.9	17.7	18.3	18.6	18.0	18.6	18.3	18.9	19.3
	6H	17.3	17.8	17.7	18.2	18.6	18.0	18.6	18.4	18.9	19.3
	8H	17.2	17.7	17.7	18.1	18.6	18.0	18.5	18.4	18.9	19.3
	12H	17.2	17.6	17.6	18.1	18.5	17.9	18.4	18.4	18.8	19.3
8H	4H	17.3	17.8	17.7	18.2	18.6	17.9	18.4	18.3	18.8	19.2
	6H	17.2	17.7	17.7	18.1	18.6	18.0	18.4	18.4	18.8	19.3
	8H	17.2	17.6	17.7	18.0	18.5	17.9	18.3	18.4	18.8	19.3
	12H	17.1	17.5	17.6	17.9	18.5	17.9	18.2	18.4	18.7	19.2
12H	4H	17.2	17.7	17.7	18.1	18.5	17.8	18.3	18.3	18.7	19.2
	6H	17.2	17.6	17.7	18.0	18.5	17.9	18.3	18.4	18.8	19.2
	8H	17.1	17.5	17.7	18.0	18.5	17.9	18.2	18.4	18.7	19.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.9 / - 1.3					+ 0.9 / - 1.1				
1.5H		+ 1.1 / - 0.7					+ 1.4 / - 0.8				
2.0H		+ 1.6 / - 1.3					+ 1.7 / - 1.4				

CIE Pub.117, 1611 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.7$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2024-11-15

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:

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

UTILIZATION FACTORS TABLE

NAME: TLO020-61	TYPE:30D	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	81	73	69	80	73	69	79	72	68	64
0.80	89	82	77	88	81	77	86	80	77	72
1.00	94	87	83	93	87	83	91	87	82	77
1.25	99	92	88	97	92	88	95	90	87	82
1.50	102	96	92	100	95	92	98	93	90	85
2.00	105	100	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	102	99	96	89
3.00	109	105	102	107	104	101	103	101	98	91
4.00	112	109	106	109	107	104	105	103	101	93
5.00	113	111	108	111	108	106	106	105	103	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNM = 1.25		

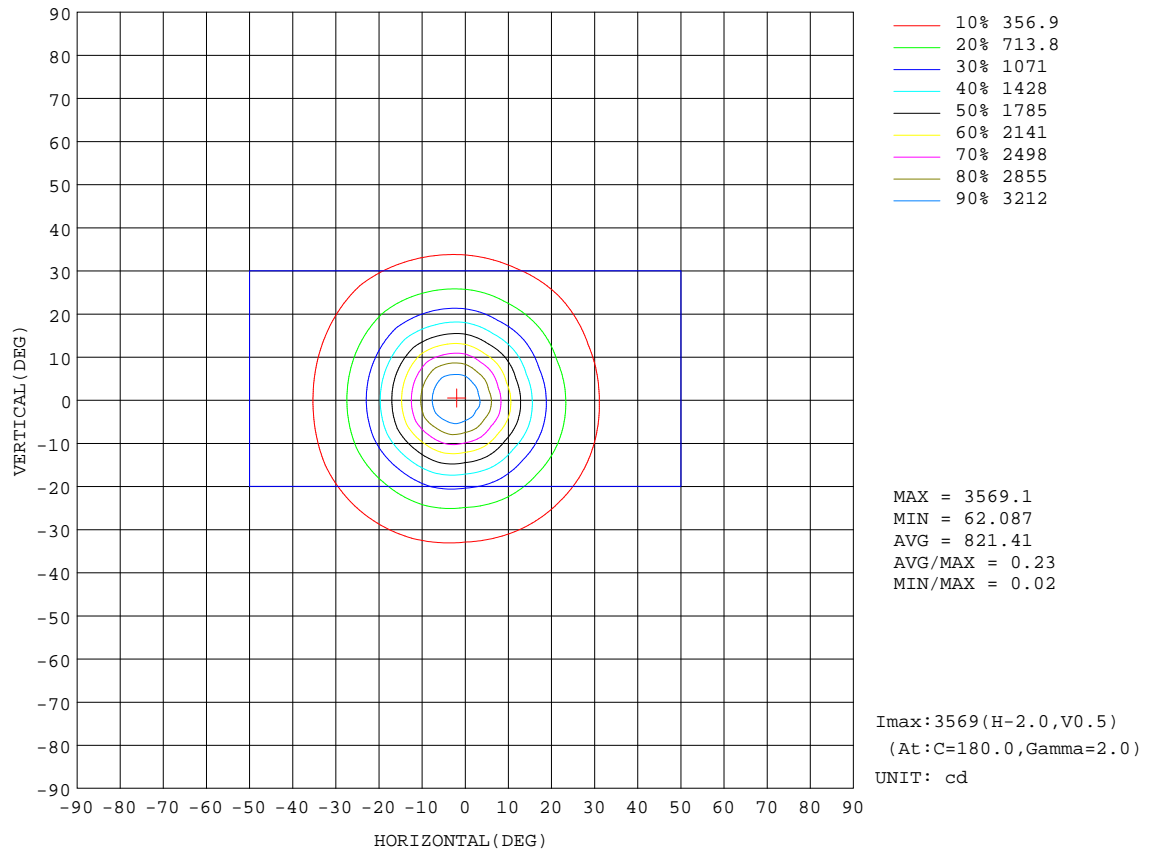
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ISOCANDELA DIAGRAM

NAME: TLO020-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:



C Range: 0 - 360DEG
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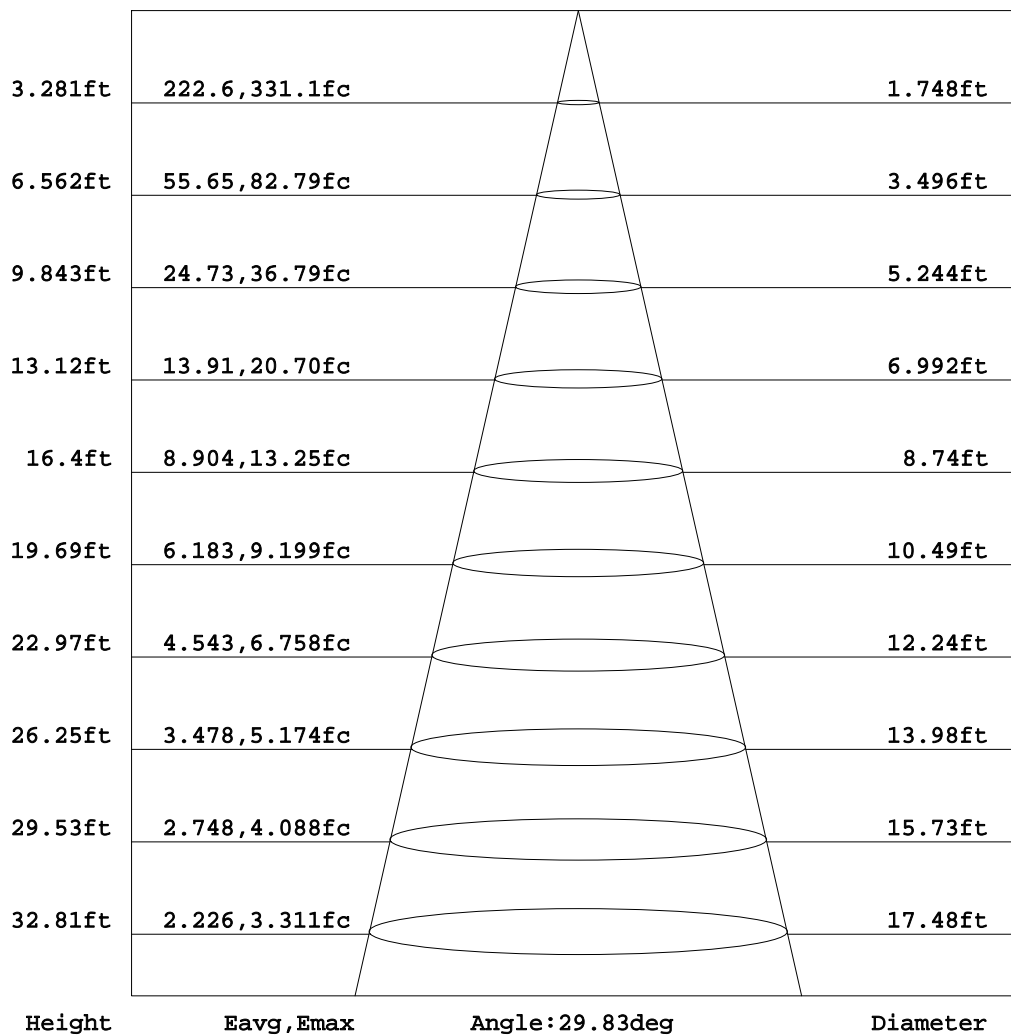
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TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

AAI Figure

NAME: TLO020-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

Flux out:540.4 lm



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

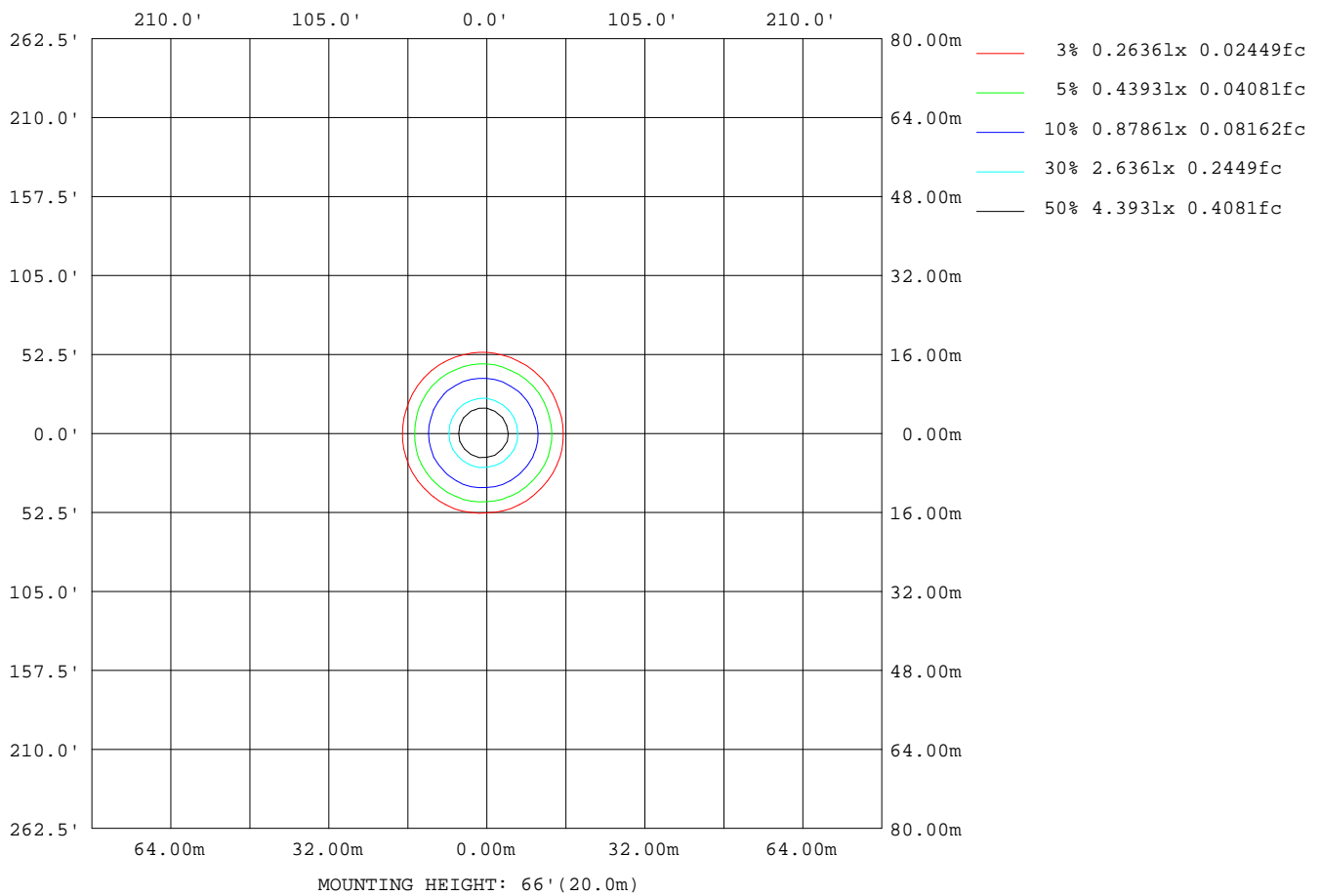
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TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

ISOLUX DIAGRAM

NAME: TLO020-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:



C Range: 0 - 360DEG
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TLO020-61 36V500mA BXEP-30G-1C5-36C-00-000 30D 3000K CRI90 NA

LED Avg.L Report

NAME: TLO020-61	TYPE:30D	WEIGHT:
SPEC.:3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.:90	Shielding Angle:

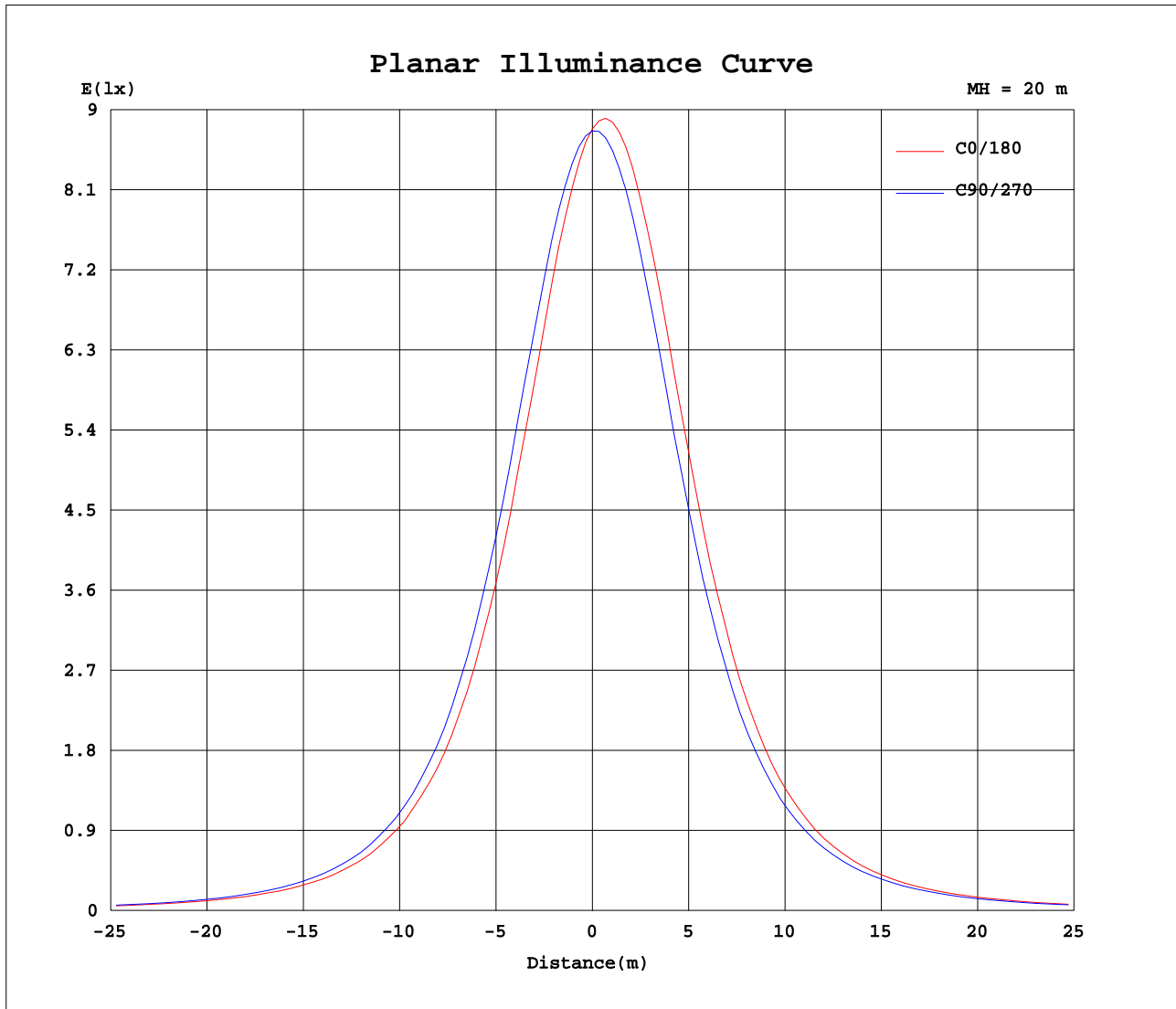
AvgL	cd/m2
L_0~180(65)av	11673
L_0~180(75)av	7028
L_0~180(85)av	1974
L_90~270(65)av	11638
L_90~270(75)av	6956
L_90~270(85)av	1140
L_45(65)av	11227
L_45(75)av	6738
L_45(85)av	1971

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
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: 22.5DEG
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 30D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-61	TYPE: 30D	WEIGHT:
SPEC.: 3000K CRI90	DIM.:	SERIAL No.:
MFR.:	SUR.: 90	Shielding Angle:

Table--1

UNIT: cd

C(°)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (°)	0	3508	3508	3508	3508	3508	3508	3508	3508	3508	3508	3508	3508	3508	3508	3508			
5	3010	3017	3029	3114	3187	3308	3378	3465	3464	3458	3451	3357	3277	3149	3079	2998			
10	2227	2257	2266	2390	2482	2664	2754	2901	2900	2890	2891	2741	2614	2418	2322	2210			
15	1490	1529	1537	1644	1714	1879	1967	2099	2099	2095	2113	1950	1834	1652	1580	1475			
20	954	983	988	1065	1110	1232	1287	1388	1387	1383	1401	1278	1196	1065	1013	944			
25	612	627	638	680	705	788	826	889	883	883	892	816	763	688	645	610			
30	390	403	411	436	455	505	535	567	563	564	570	526	487	442	418	391			
35	258	265	269	285	300	330	349	370	365	365	370	343	321	292	277	259			
40	178	180	183	193	204	223	236	247	244	244	246	230	217	199	189	177			
45	126	126	128	137	144	156	164	171	170	168	169	159	152	140	134	126			
50	91.9	91.8	92.7	98.8	105	112	117	122	122	120	120	114	110	102	97.2	92.0			
55	67.5	67.2	67.2	72.5	76.9	82.7	85.9	89.5	89.8	87.7	87.3	83.3	80.5	74.5	70.9	67.3			
60	48.3	48.0	47.8	52.1	55.8	60.0	62.3	65.7	66.0	63.9	63.1	60.2	58.4	53.0	50.1	47.8			
65	32.6	32.7	32.2	36.0	38.8	42.2	43.5	47.1	47.3	45.4	44.3	42.3	40.8	36.4	33.8	32.2			
70	19.7	20.1	20.1	22.9	25.0	28.0	28.7	32.0	32.1	30.6	29.4	28.1	26.9	23.3	21.1	19.4			
75	10.3	10.4	10.2	12.5	14.1	16.2	17.5	19.5	19.2	18.6	17.9	16.3	15.1	12.6	11.0	9.89			
80	2.87	3.22	3.58	4.82	5.69	7.76	7.93	9.92	9.76	9.25	8.41	7.67	6.39	4.72	3.71	2.81			
85	0.55	0.55	0.56	0.61	0.78	1.58	2.13	2.74	2.24	2.27	2.40	1.48	0.83	0.51	0.48	0.47			
90	0.66	0.68	0.66	0.66	0.63	0.61	0.57	0.57	0.48	0.47	0.49	0.50	0.54	0.55	0.58	0.59			
95	0.84	0.85	0.83	0.83	0.78	0.76	0.71	0.70	0.62	0.59	0.62	0.64	0.70	0.72	0.76	0.77			
100	1.08	1.09	1.08	1.06	1.00	0.96	0.90	0.88	0.80	0.78	0.81	0.83	0.90	0.94	0.98	1.00			
105	1.42	1.42	1.41	1.37	1.30	1.24	1.17	1.13	1.04	1.02	1.06	1.10	1.17	1.23	1.29	1.33			
110	1.90	1.89	1.89	1.81	1.73	1.62	1.54	1.48	1.37	1.36	1.39	1.46	1.54	1.63	1.71	1.77			
115	2.60	2.57	2.59	2.45	2.35	2.17	2.07	1.98	1.83	1.83	1.87	1.97	2.07	2.21	2.30	2.42			
120	3.61	3.57	3.61	3.40	3.25	2.98	2.85	2.70	2.50	2.52	2.56	2.72	2.85	3.07	3.19	3.37			
125	5.08	5.07	5.08	4.80	4.57	4.20	4.00	3.77	3.50	3.54	3.58	3.82	4.02	4.32	4.51	4.73			
130	7.10	7.08	7.12	6.73	6.46	5.91	5.64	5.35	5.00	5.00	5.10	5.39	5.69	6.08	6.36	6.68			
135	9.66	9.62	9.65	9.18	8.84	8.19	7.84	7.49	7.03	7.05	7.14	7.52	7.92	8.44	8.76	9.16			
140	12.5	12.4	12.4	12.0	11.6	10.9	10.5	10.1	9.58	9.59	9.69	10.1	10.6	11.2	11.5	11.9			
145	15.1	15.0	15.0	14.6	14.3	13.7	13.3	13.0	12.4	12.4	12.5	12.9	13.4	13.9	14.2	14.6			
150	17.2	17.0	17.1	16.8	16.6	16.2	15.8	15.6	15.1	15.0	15.1	15.5	15.9	16.3	16.5	16.8			
155	18.3	18.2	18.3	18.3	18.3	18.0	17.8	17.6	17.1	17.1	17.2	17.6	17.8	18.0	18.0	18.0			
160	18.4	18.4	18.7	18.9	19.0	18.9	18.8	18.7	18.4	18.3	18.4	18.7	18.8	18.7	18.4	18.3			
165	17.9	17.8	18.2	18.6	18.9	19.0	18.9	18.9	18.7	18.7	18.7	18.8	18.8	18.5	18.0	17.9			
170	17.0	17.0	17.2	17.6	18.0	18.2	18.3	18.5	18.3	18.4	18.3	18.2	18.0	17.7	17.3	17.2			
175	16.4	16.4	16.8	16.8	17.0	17.3	17.6	17.7	17.4	17.6	17.8	17.4	17.3	17.3	17.0	16.7			
180	16.8	16.8	17.1	16.9	17.0	17.0	17.2	17.0	16.8	16.8	17.2	16.9	17.0	17.0	17.2	17.0			

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