

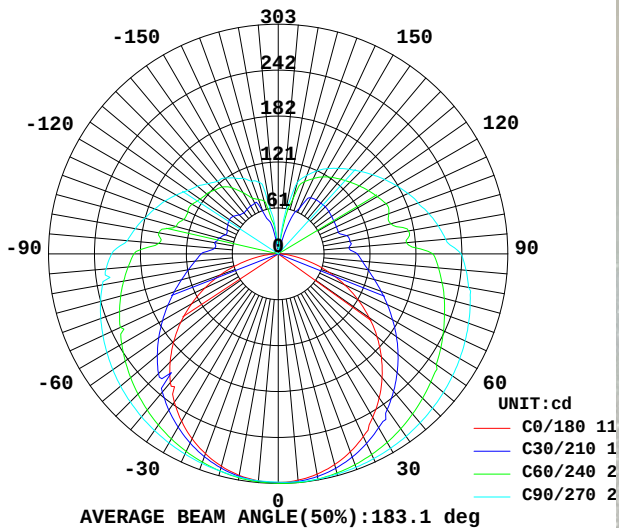
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Geniled T8 20W 4000K 2000lm 1200mm PS		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3990	DIMENSION: 1200x28x28	SERIAL No.:

DATA OF LAMP		Imax(cd)	303.0	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.45
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	1949.4	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	101.9	Current(A)	0.150
NOMINAL FLUX(lm)	1949.4	η up(%)	32.4	Power(W)	19.12
LAMPS QUANTITY	1	η down(%)	67.6	Power Factor(PF)	0.578
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	1949.4	EEI	0.134

LUMINOUS INTENSITY DISTRIBUTION



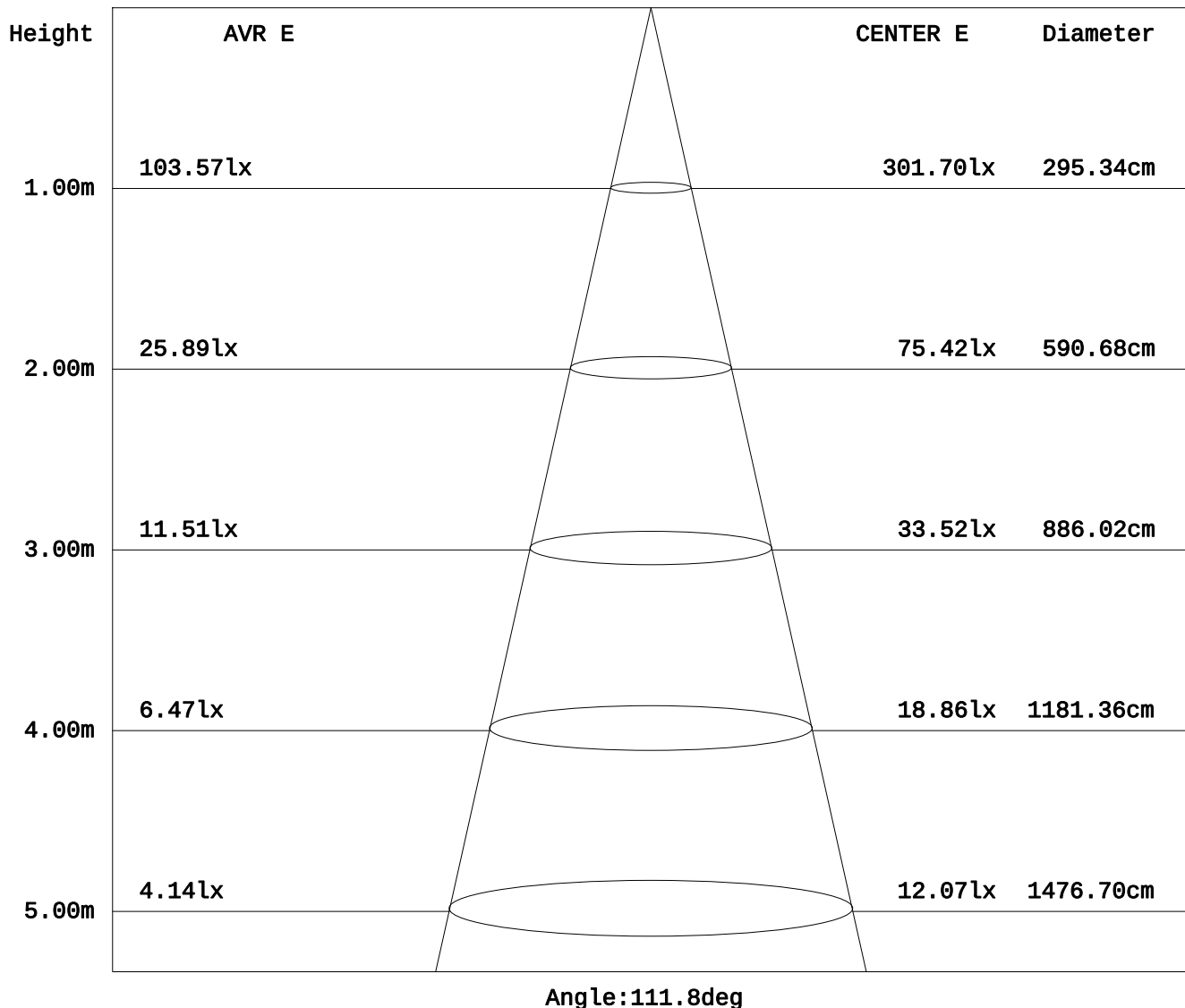
Temperature: 25.3°C
Operators:
Test Date: 28-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 86Ra. 0,2% Flickering. Temp 40.1C.

AVERAGE AND CENTER E Figure

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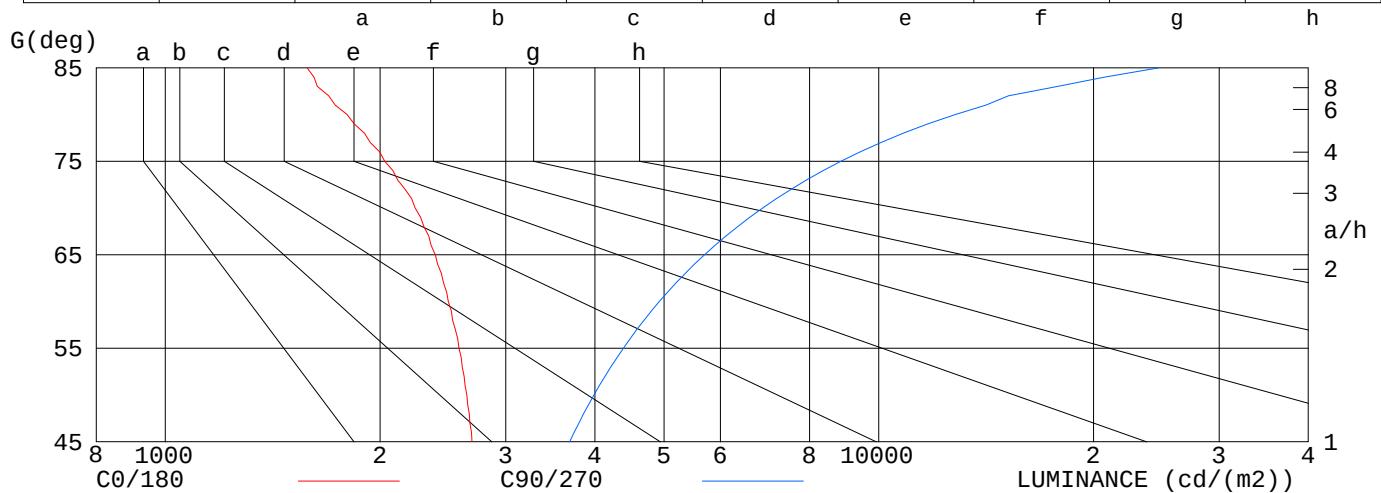
LUMINANCE LIMITATION CURVES

Report number:

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SPECIFICATION:	CCT(K): 3990	DIMENSION: 1200x28x28	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	1580	24690
80	1798	12800
75	2030	8846
70	2240	6876
65	2391	5699
60	2492	4925
55	2581	4385
50	2646	3988
45	2691	3686

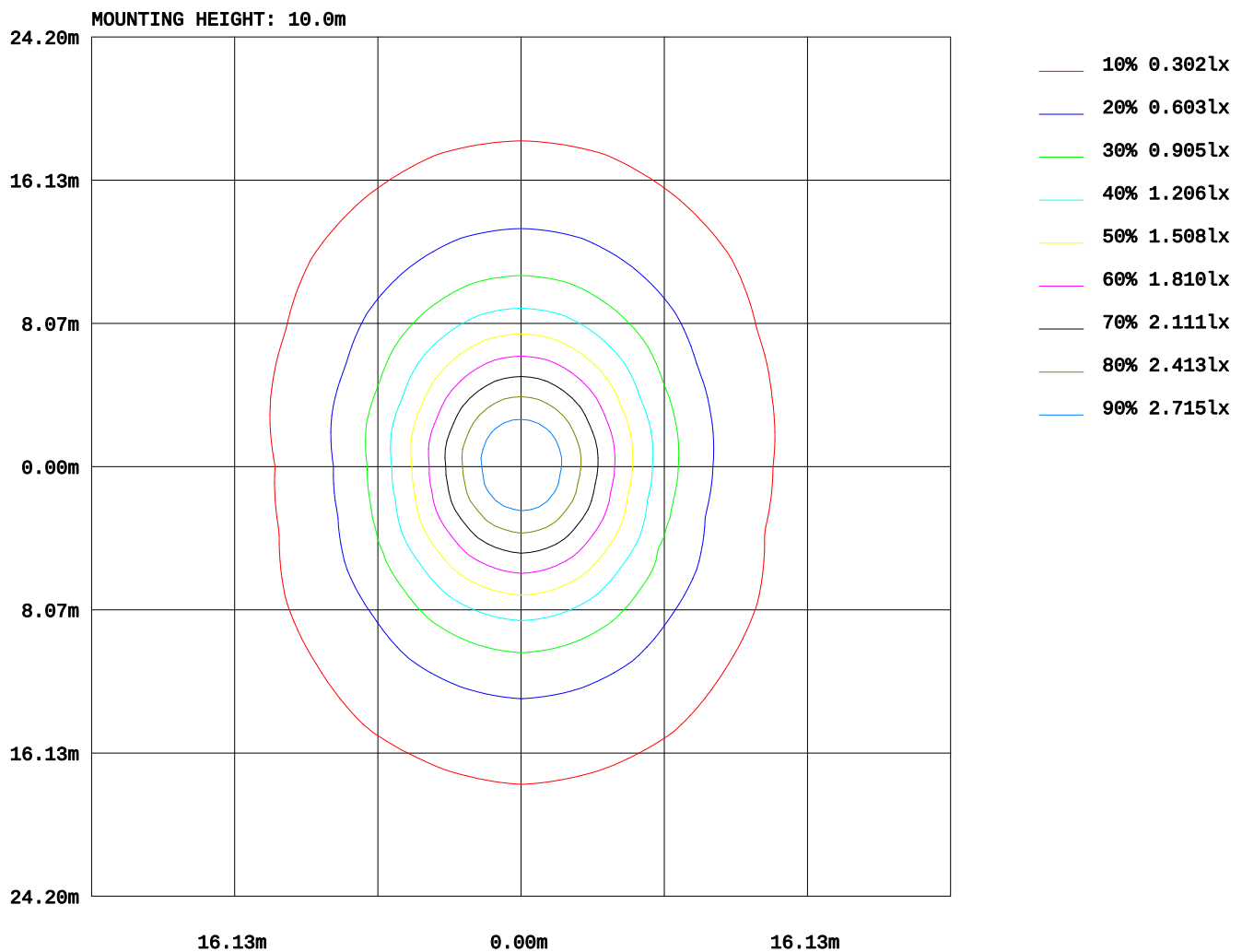
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ISOLUX DIAGRAM

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SPECIFICATION:	CCT(K): 3990	DIMENSION: 1200x28x28	SERIAL No.:



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UGR Table

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Address:										
NAME: Geniled T8 20W 4000K 2000lm 1200mm PS						TYPE:		WEIGHT:		
SPECIFICATION:			CCT(K): 3990			DIMENSION: 1200x28x28			SERIAL No.:	
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				
x = 2H y = 2H						13.5	14.7	14.1	15.4	16.2
3H						14.9	16.0	15.6	16.7	17.6
4H						15.5	16.5	16.2	17.3	18.2
6H						15.9	16.9	16.6	17.7	18.6
8H						16.0	17.0	16.8	17.8	18.7
12H						16.1	17.1	16.9	17.8	18.8
4H 2H						14.9	16.0	15.7	16.7	17.6
3H						16.7	17.7	17.5	18.4	19.4
4H						17.5	18.4	18.3	19.2	20.2
6H						18.1	18.9	19.0	19.7	20.7
8H						18.4	19.1	19.2	19.9	20.9
12H						18.5	19.2	19.4	20.0	21.1
8H 4H						19.1	19.8	19.9	20.6	21.6
6H						20.2	20.8	21.1	21.7	22.7
8H						20.7	21.3	21.6	22.1	23.2
12H						21.1	21.6	22.0	22.4	23.5
12H 4H						19.6	20.3	20.5	21.1	22.2
6H						21.1	21.6	21.9	22.5	23.6
8H						21.8	22.3	22.7	23.2	24.3
Variations with the observer position at spacings:										
S = 1.0H		+ 0.1 / - 0.1				+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.2				+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3				+ 0.3 / - 0.4				

CIE Pub.117 Corrected 1949 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.3)

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Humidity:65.0%
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Remarks: 86Ra. 0,2% Flickering. Temp 40.1C.

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 3990	DIMENSION: 1200x28x28	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	302	302	303	303	303	302	301	301	302	302	302	302	302	302	303
5.0	301	300	301	301	302	301	301	300	301	300	301	300	300	301	302
10.0	297	296	298	298	300	299	299	298	299	297	298	295	295	298	298
15.0	290	288	293	293	297	297	297	295	295	292	292	288	288	292	293
20.0	281	279	285	287	293	294	294	292	291	285	284	278	278	283	285
25.0	269	268	275	280	288	290	292	288	286	278	274	267	266	273	276
30.0	255	252	264	271	282	286	288	284	280	269	263	251	249	260	265
35.0	239	236	252	262	276	282	285	280	274	260	250	234	232	245	251
40.0	222	218	238	250	269	277	281	275	266	247	236	216	213	223	237
45.0	202	199	224	239	262	272	276	269	259	236	221	197	193	211	222
50.0	180	178	209	228	254	266	272	264	251	224	205	176	170	191	206
55.0	157	157	192	216	247	260	267	259	243	213	189	155	146	170	190
60.0	132	135	176	205	238	253	261	250	235	201	172	132	122	148	175
65.0	107	114	161	194	230	246	255	244	227	189	156	110	96.6	127	159
70.0	81.1	93.4	146	183	223	240	249	237	219	179	141	89.3	71.4	105	144
75.0	55.6	74.5	132	173	215	233	243	231	211	168	127	69.9	47.6	85.1	132
80.0	33.0	58.9	120	164	207	225	236	222	203	159	114	53.6	25.7	67.9	120
85.0	14.5	47.9	110	155	199	217	228	214	195	150	104	42.0	9.40	54.4	112
90.0	6.20	41.2	102	145	191	208	220	205	187	140	95.7	35.7	2.30	46.2	104
95.0	5.50	38.4	84.5	114	159	182	200	180	156	112	79.9	33.1	2.50	43.0	93.9
100.0	5.20	35.4	85.3	121	160	179	192	176	157	117	80.8	33.1	2.70	42.8	95.7
105.0	4.90	39.0	80.9	106	140	159	182	157	138	99.5	78.6	35.2	2.80	44.7	93.6
110.0	4.80	40.0	73.9	101	133	154	174	152	132	104	73.1	35.7	2.90	45.0	84.3
115.0	4.60	43.5	74.8	104	132	148	165	150	134	105	73.6	39.5	3.10	46.7	84.7
120.0	4.50	48.1	76.9	102	131	145	156	146	132	103	74.5	43.5	3.30	50.5	85.2
125.0	4.50	51.5	78.5	102	126	138	146	139	128	101	76.3	47.5	3.40	54.2	86.1
130.0	4.50	50.9	77.3	100	123	131	139	133	123	99.4	78.3	51.2	3.60	58.6	87.1
135.0	4.60	50.0	73.0	93.8	119	126	131	125	119	98.2	80.0	51.7	3.70	60.5	87.9
140.0	4.50	52.7	70.5	85.0	115	120	125	119	115	97.0	81.1	37.0	3.90	48.7	87.5
145.0	4.50	42.5	71.8	79.7	107	115	122	111	112	95.3	82.2	32.7	4.00	43.5	87.1
150.0	4.60	35.7	73.0	77.3	93.5	110	116	105	108	92.5	82.0	24.2	4.20	27.0	85.5
155.0	4.60	33.0	73.6	75.5	81.3	100	110	99.1	103	87.9	73.2	10.3	4.30	7.70	66.3
160.0	4.60	19.9	58.9	73.2	76.5	83.4	102	89.6	94.9	82.2	48.6	4.30	4.40	6.20	50.9
165.0	4.60	4.20	45.0	50.8	72.5	61.6	97.7	85.3	82.8	46.5	31.4	4.40	4.50	5.90	12.1
170.0	4.60	4.10	22.4	31.7	43.3	26.3	58.4	43.7	45.1	17.2	7.40	4.40	4.60	5.70	4.30
175.0	4.70	4.20	7.00	4.50	10.3	4.70	13.4	4.80	8.70	4.80	6.80	4.50	4.60	5.50	4.30
180.0	4.60	4.30	6.40	4.80	7.20	5.10	7.80	5.20	7.40	5.20	6.20	4.80	4.80	5.30	4.50

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	303	303	302	301	301	302	302	302	302
5.0	303	303	303	302	302	302	302	302	301
10.0	301	302	302	302	302	301	301	299	298
15.0	297	299	301	301	301	299	298	294	292
20.0	292	296	300	300	299	296	292	286	284
25.0	286	292	298	298	297	292	287	277	273
30.0	279	287	295	297	295	287	279	266	260
35.0	270	282	292	294	292	282	271	252	246
40.0	261	276	289	291	289	276	262	238	221
45.0	251	270	285	288	285	270	251	223	212
50.0	240	263	281	285	281	263	241	208	192
55.0	228	255	276	281	276	255	228	192	171
60.0	219	248	272	277	272	248	220	176	150
65.0	209	241	267	272	267	241	210	160	128
70.0	199	234	261	267	262	234	200	146	107
75.0	189	227	256	262	257	227	191	133	86.5
80.0	181	220	250	255	250	220	182	122	69.5
85.0	173	212	244	249	244	213	174	113	56.0
90.0	166	204	237	242	237	205	168	106	47.9
95.0	129	170	211	222	210	170	131	95.5	44.2
100.0	139	175	206	215	206	175	140	97.0	43.7
105.0	125	154	190	206	191	154	129	94.9	45.5
110.0	128	155	183	196	183	155	128	84.6	45.4
115.0	127	157	183	189	182	157	127	84.6	45.4
120.0	124	151	176	180	177	151	125	85.5	50.5
125.0	122	146	169	171	169	145	122	86.2	54.4
130.0	119	140	161	163	161	139	120	81.6	55.0
135.0	117	134	153	154	154	134	113	74.5	53.7
140.0	114	129	146	146	147	127	102	72.1	49.7
145.0	112	123	139	138	140	113	93.8	73.1	44.2
150.0	108	117	132	130	133	97.6	88.4	72.6	40.7
155.0	104	110	125	121	122	86.0	83.4	67.1	27.5
160.0	98.2	102	115	110	101	78.5	80.0	54.2	8.40
165.0	69.1	74.9	105	98.0	75.1	63.5	62.0	32.6	6.00
170.0	21.6	33.7	67.9	57.5	41.6	37.7	37.2	4.60	5.80
175.0	8.00	4.70	9.50	4.90	9.20	4.80	7.90	4.70	5.60
180.0	7.10	5.00	7.90	5.30	7.60	5.20	7.00	5.10	5.30

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