

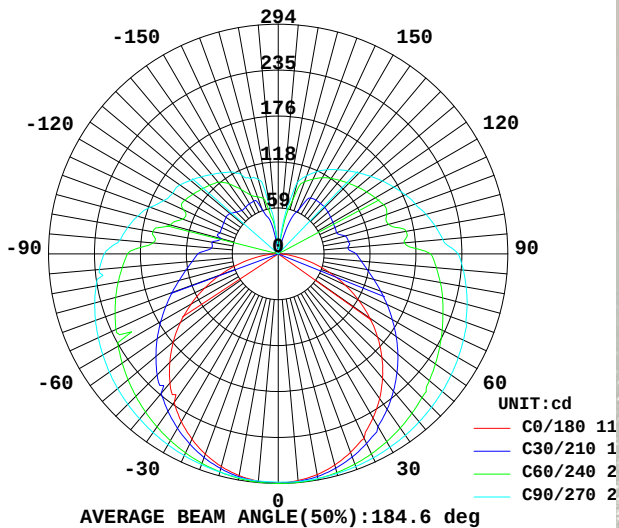
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Geniled T8 20W 6500K 2000lm 1200mm PS		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 6549	DIMENSION: 1200x28x28	SERIAL No.:

DATA OF LAMP		Imax(cd)	293.8	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.47
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	1908.2	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	97.8	Current(A)	0.152
NOMINAL FLUX(lm)	1908.3	η up(%)	32.6	Power(W)	19.52
LAMPS QUANTITY	1	η down(%)	67.4	Power Factor(PF)	0.579
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	1908.2	EEI	0.139

LUMINOUS INTENSITY DISTRIBUTION



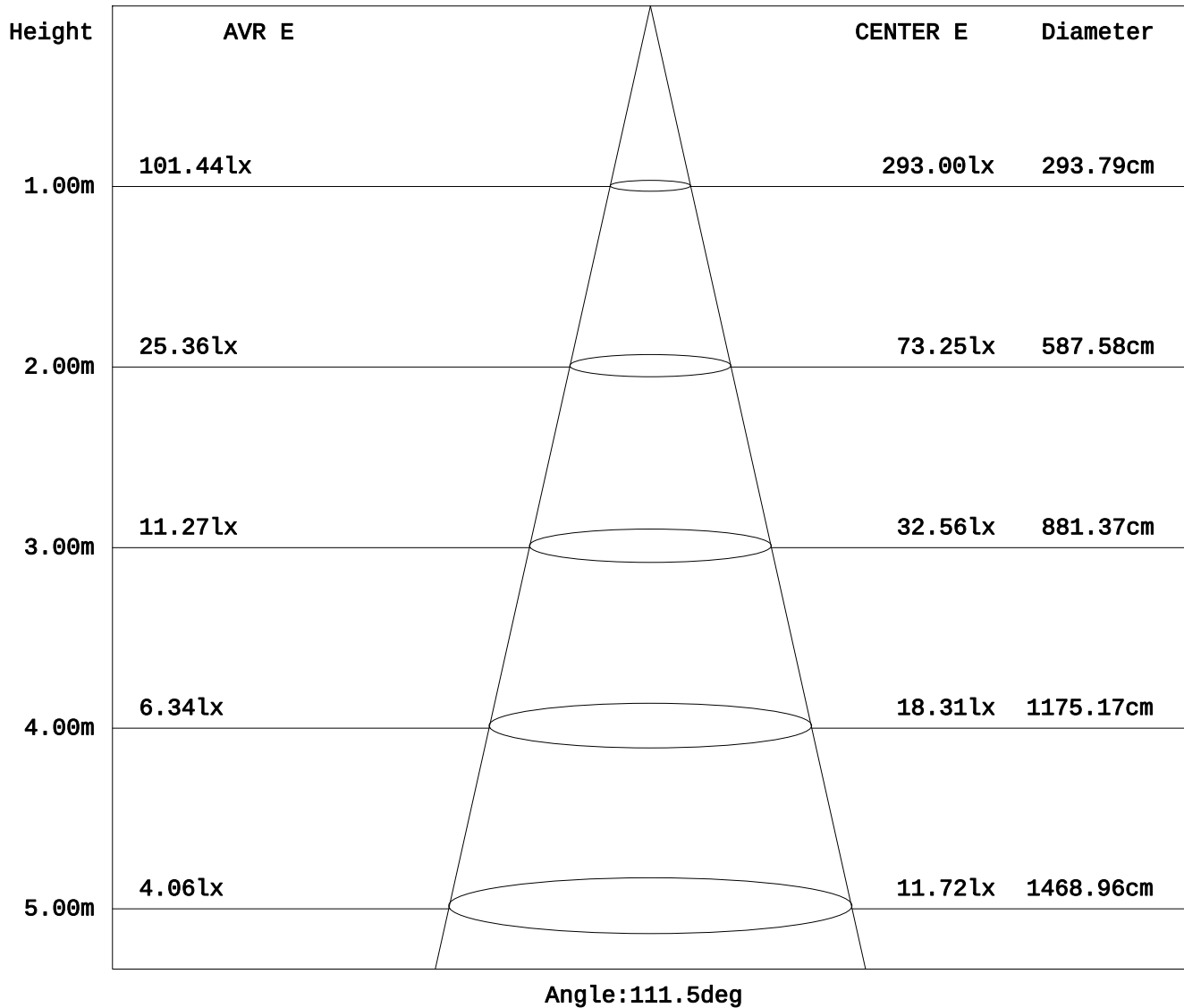
Temperature: 25.3'C
Operators:
Test Date: 28-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 87Ra. 0,2% Flickering. Temp 41.8C.

AVERAGE AND CENTER E Figure

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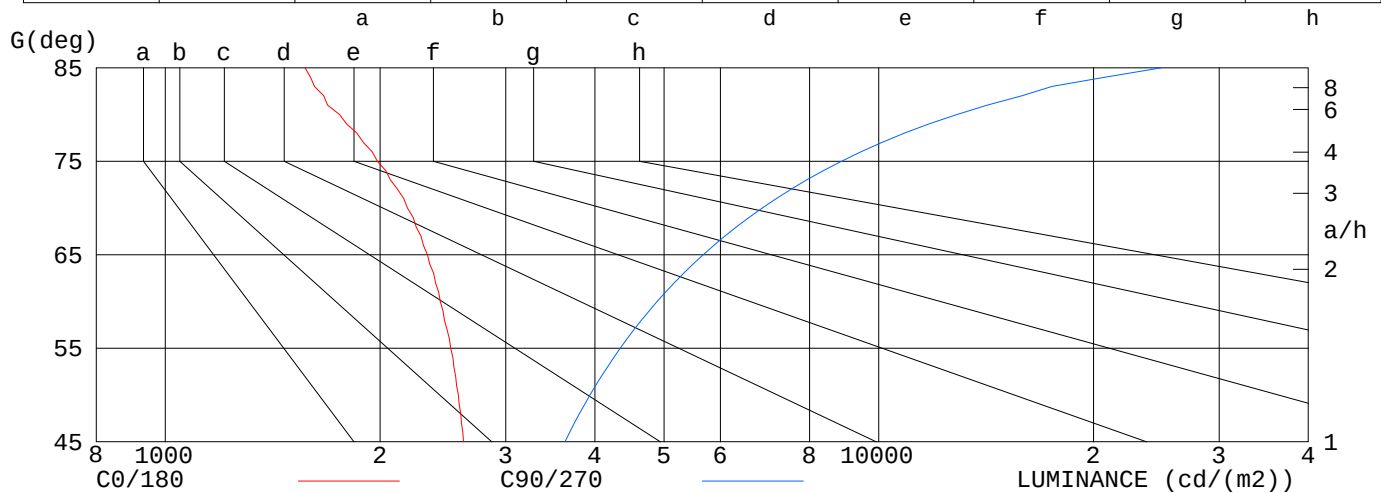
LUMINANCE LIMITATION CURVES

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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	1570	24885
80	1755	12865
75	1983	8865
70	2185	6863
65	2330	5674
60	2428	4889
55	2512	4341
50	2574	3938
45	2618	3632

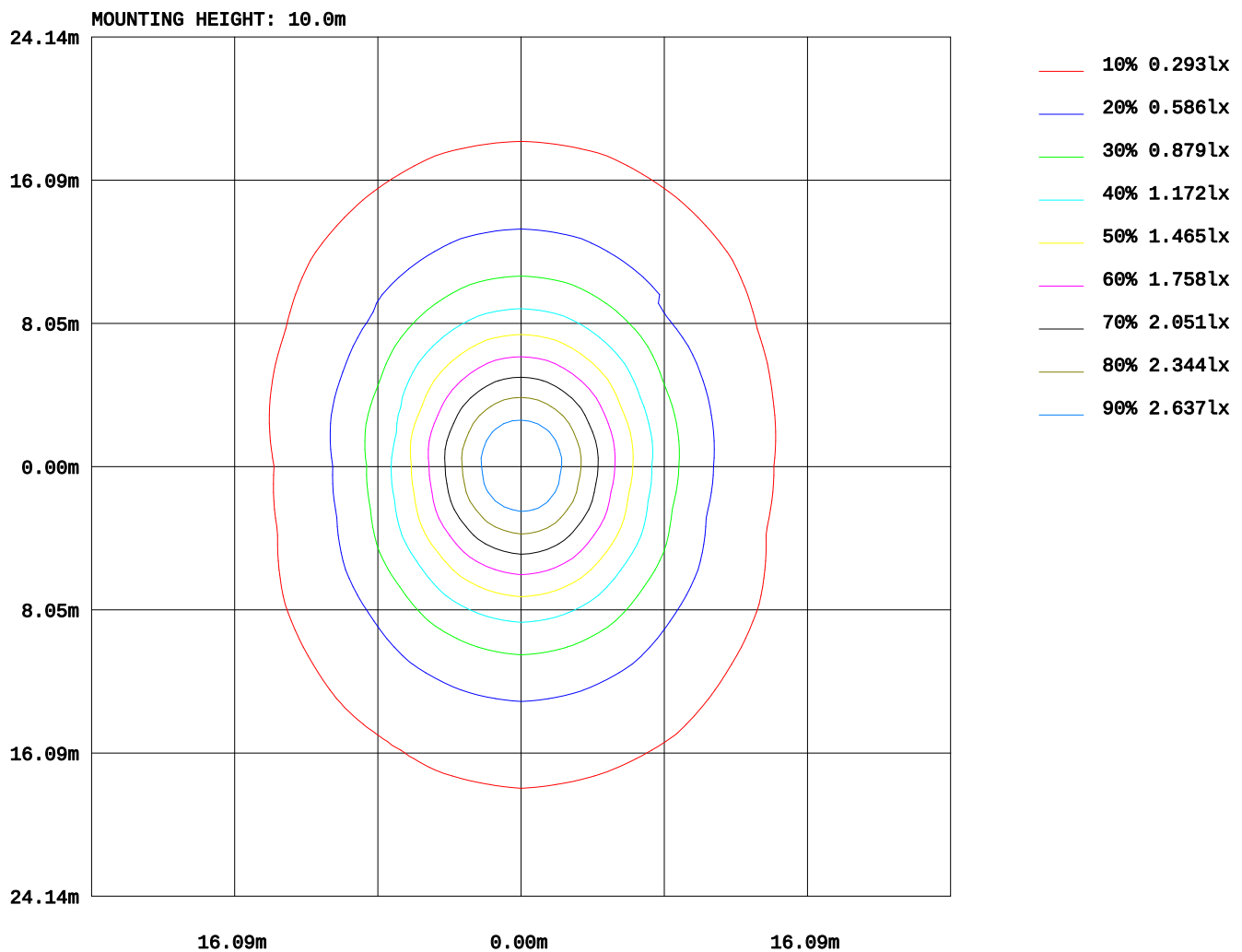
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ISOLUX DIAGRAM

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UGR Table

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NAME: Geniled T8 20W 6500K 2000lm 1200mm PS						TYPE:		WEIGHT:		
SPECIFICATION:			CCT(K): 6549			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						13.4	14.6	14.1	15.3	16.2
3H						14.8	16.0	15.5	16.7	17.6
4H						15.4	16.5	16.1	17.2	18.1
6H						15.8	16.8	16.6	17.6	18.5
8H						16.0	17.0	16.8	17.7	18.7
12H						16.1	17.0	16.9	17.8	18.7
4H 2H						14.9	16.0	15.6	16.7	17.6
3H						16.7	17.6	17.5	18.4	19.4
4H						17.5	18.4	18.3	19.2	20.1
6H						18.1	18.9	18.9	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	21.7
6H						20.3	20.9	21.1	21.7	22.8
8H						20.8	21.3	21.6	22.2	23.2
12H						21.1	21.6	22.0	22.5	23.6
12H 4H						19.7	20.3	20.5	21.2	22.2
6H						21.1	21.7	22.0	22.5	23.6
8H						21.9	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 1908 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.2)

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Humidity:65.0%
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Remarks: 87Ra. 0,2% Flickering. Temp 41.8C.

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 6549	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	293	293	294	294	294	293	292	292	293	293	293	293	293	293	294
5.0	292	291	293	293	293	293	292	291	292	292	292	291	291	292	293
10.0	288	287	290	290	292	291	291	290	290	289	289	287	287	289	289
15.0	282	280	285	286	289	289	289	287	287	284	284	280	280	283	284
20.0	273	272	278	280	285	287	287	285	284	278	276	271	270	275	277
25.0	262	261	268	273	281	284	285	282	279	271	267	261	261	265	268
30.0	248	245	258	265	276	280	282	278	274	263	256	244	243	252	255
35.0	232	230	246	255	270	277	279	274	268	252	244	228	226	238	243
40.0	216	213	233	245	264	272	276	270	262	243	222	211	208	222	229
45.0	196	194	219	235	258	268	272	266	255	232	217	192	188	204	215
50.0	175	174	205	224	251	263	268	261	248	221	202	172	166	186	200
55.0	153	154	189	214	244	259	264	254	240	210	186	152	143	165	184
60.0	129	133	174	203	237	252	259	249	219	199	170	130	119	144	169
65.0	104	112	159	192	229	246	254	243	226	188	154	109	94.5	123	154
70.0	79.1	92.2	144	183	222	240	249	237	218	178	139	88.3	69.8	102	139
75.0	54.4	73.9	131	173	215	234	243	231	211	169	126	69.3	46.5	82.2	127
80.0	32.3	58.6	120	165	208	227	237	224	204	160	114	53.5	25.0	65.3	116
85.0	14.5	48.0	111	157	200	220	230	217	196	152	104	42.5	9.00	52.0	107
90.0	5.90	41.7	103	147	193	210	223	208	189	141	96.6	36.2	2.30	43.9	99.8
95.0	5.20	36.8	86.0	117	161	185	204	183	158	114	81.4	34.0	2.40	40.5	89.5
100.0	4.90	38.4	86.0	124	163	182	196	180	160	120	82.8	34.7	2.60	40.2	91.0
105.0	4.70	42.0	76.0	104	143	162	186	161	140	102	80.9	37.0	2.70	42.0	88.7
110.0	4.60	41.8	79.5	101	130	151	175	156	136	106	74.9	37.0	2.80	42.5	79.5
115.0	4.40	45.1	79.6	111	134	148	162	151	138	108	75.0	40.7	3.00	44.2	80.1
120.0	4.30	49.5	80.5	109	138	151	156	144	135	106	76.4	44.7	3.10	48.2	80.9
125.0	4.30	52.8	81.6	107	133	145	154	136	128	103	78.0	49.0	3.30	52.1	82.0
130.0	4.30	52.2	80.5	104	129	138	147	135	122	100	79.5	52.6	3.50	56.4	83.2
135.0	4.30	51.2	75.7	97.6	124	132	139	129	117	98.6	81.0	52.7	3.60	57.5	84.1
140.0	4.40	53.6	72.5	88.5	120	125	133	123	115	97.2	81.9	39.8	3.70	45.2	84.4
145.0	4.40	45.0	73.0	82.0	109	120	127	118	113	95.4	82.5	35.4	3.90	40.2	84.0
150.0	4.40	38.2	74.1	78.8	95.3	112	121	113	110	92.4	82.5	26.1	4.00	25.4	82.7
155.0	4.40	34.9	74.4	76.8	82.9	101	112	106	105	88.4	74.5	11.8	4.10	8.20	62.9
160.0	4.40	21.6	61.0	74.5	77.9	85.0	103	92.0	97.5	82.3	51.2	4.20	4.20	5.80	47.4
165.0	4.50	5.70	47.5	53.3	73.4	63.3	98.7	88.0	87.3	48.8	33.5	4.20	4.30	5.60	11.5
170.0	4.50	3.90	23.9	33.7	45.8	28.6	61.7	46.7	49.9	18.9	7.40	4.30	4.40	5.30	4.10
175.0	4.50	4.00	6.70	4.30	11.5	5.00	14.9	4.70	8.60	4.70	6.50	4.40	4.50	5.20	4.20
180.0	4.40	4.10	6.10	4.70	7.00	4.90	7.50	5.00	7.10	5.00	6.00	4.60	4.60	5.00	4.30

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	294	294	293	292	292	293	293	293	293
5.0	294	294	293	293	292	293	293	292	292
10.0	292	292	293	292	292	292	292	290	289
15.0	288	290	292	291	291	289	288	285	284
20.0	283	287	290	290	289	286	283	277	275
25.0	277	282	288	288	287	282	277	268	265
30.0	270	278	285	286	284	278	270	260	253
35.0	261	272	282	284	282	272	262	244	239
40.0	252	266	278	281	278	266	253	231	223
45.0	242	260	275	278	274	260	243	217	206
50.0	219	252	271	274	270	252	205	201	187
55.0	222	246	266	270	266	246	223	186	166
60.0	212	239	261	266	261	239	213	171	145
65.0	202	232	256	262	256	232	203	156	125
70.0	192	224	251	256	251	224	193	142	104
75.0	182	218	246	250	246	218	184	129	84.3
80.0	174	211	240	244	240	211	176	118	67.6
85.0	166	203	224	238	222	204	168	109	54.5
90.0	159	195	226	230	227	196	161	102	46.3
95.0	123	162	202	212	201	162	124	91.0	42.5
100.0	133	166	196	204	196	167	134	92.5	41.8
105.0	120	147	181	196	182	146	122	90.5	43.3
110.0	122	148	174	187	174	148	121	80.2	43.3
115.0	120	149	173	179	174	149	121	80.6	44.5
120.0	118	144	168	171	168	144	119	81.9	47.5
125.0	115	138	160	163	161	139	116	83.0	50.1
130.0	113	133	153	155	153	133	114	79.5	51.7
135.0	111	128	146	147	146	128	108	73.5	50.8
140.0	109	123	139	139	140	121	97.5	71.5	45.2
145.0	107	118	133	132	133	108	90.8	71.2	41.2
150.0	104	113	127	125	127	93.0	87.6	69.8	36.8
155.0	100	106	120	116	116	82.5	84.4	61.9	24.2
160.0	93.9	98.1	111	106	96.1	76.2	80.0	49.5	8.29
165.0	64.0	71.0	102	94.8	71.9	60.6	60.2	29.3	5.70
170.0	20.0	31.2	62.5	53.2	37.7	35.1	34.7	4.40	5.40
175.0	7.50	4.50	9.00	4.70	8.60	4.60	7.50	4.50	5.20
180.0	6.70	4.80	7.40	5.10	7.20	5.10	6.70	4.90	5.10

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