

# GONIOPHOTOMETERS SYSTEM TEST REPORT

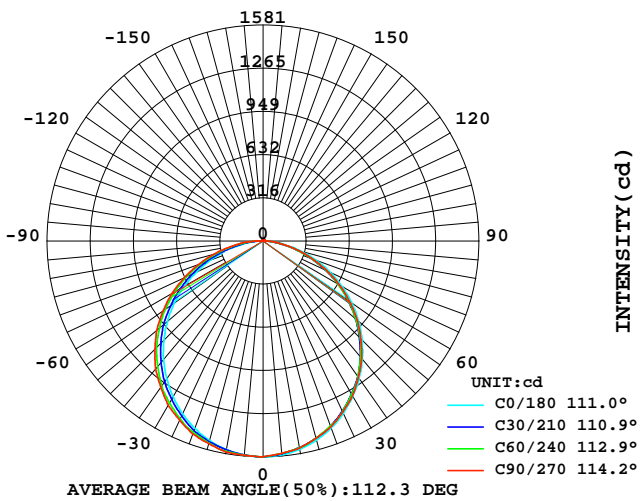
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2018010921

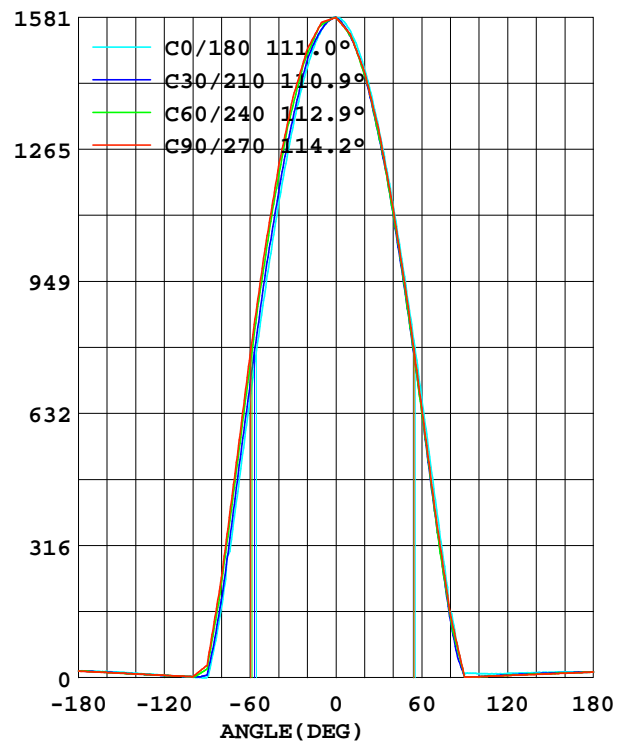
MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-30120-36-NW-120D	TYPE:LED Panel Light	WEIGHT:	
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196mm	SERIAL No.:2018010921	

DATA OF LAMP		Imax(cd)	1581	S/MH(C0/180)	1.24
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.30
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4546.2	Voltage(V)	219.1
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	123.3	Current(A)	0.176
NOMINAL FLUX(lm)	4546.2	$\eta$ up(%)	0.9	Power(W)	36.88
LAMPS QUANTITY	1	$\eta$ down(%)	99.1	Power Factor(PF)	0.975
TEST VOLTAGE(V)	219.1	Effective Flux(lm)	4429.7	EEL	0.113

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2018-01-09

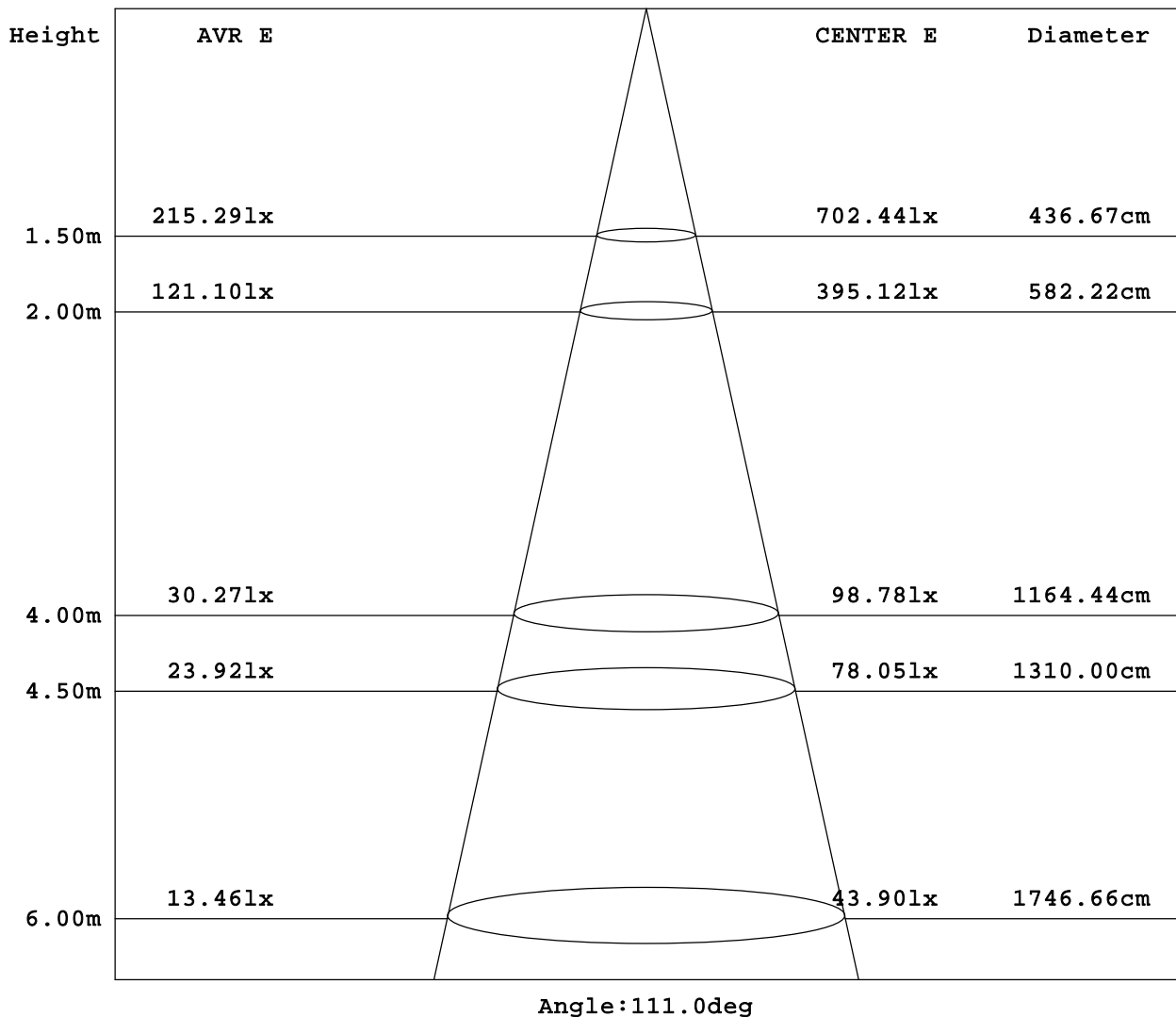
Test Set: 10.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

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## ZONAL FLUX DIAGRAM

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SPECIFICATION:4000K CRI>80		DIMENSION: 296x1196mm	SERIAL No.:2018010921

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	1574	1573	1575	1573	1572	1562	1561	1563	0- 5	37.61	37.61
10.0	1551	1557	1569	1556	1549	1535	1541	1537	5- 10	111.4	149.0
15.0	1512	1530	1537	1528	1510	1498	1496	1502	10- 15	181.5	330.6
20.0	1460	1482	1504	1480	1457	1439	1451	1445	15- 20	245.2	575.8
25.0	1396	1427	1447	1427	1392	1376	1381	1384	20- 25	300.7	876.5
30.0	1317	1357	1389	1357	1315	1297	1311	1306	25- 30	345.6	1222
35.0	1230	1275	1307	1276	1226	1206	1218	1219	30- 35	379.0	1601
40.0	1135	1186	1225	1188	1131	1109	1124	1125	35- 40	399.4	2001
45.0	1025	1079	1120	1085	1027	998.9	1013	1013	40- 45	406.5	2407
50.0	913.1	972.9	1016	981.9	912.2	888.8	900.7	902.8	45- 50	399.8	2807
55.0	794.5	850.9	894.3	858.8	794.9	759.3	774.0	780.5	50- 55	379.9	3187
60.0	665.4	728.2	772.3	737.5	671.9	631.5	647.4	658.6	55- 60	346.9	3534
65.0	537.3	594.0	637.0	608.6	540.8	502.6	515.4	524.4	60- 65	302.8	3837
70.0	409.0	460.3	501.6	479.6	413.7	377.4	383.5	395.1	65- 70	249.1	4086
75.0	296.2	331.2	370.0	345.6	288.5	248.4	267.3	274.4	70- 75	189.8	4276
80.0	166.6	209.5	238.4	225.0	157.5	143.2	151.1	164.6	75- 80	129.4	4405
85.0	72.06	103.3	134.1	118.0	75.23	60.42	76.02	72.74	80- 85	72.63	4478
90.0	1.486	13.57	29.73	22.59	7.334	0.892	0.892	0.793	85- 90	25.87	4504
95.0	0.000	5.361	15.90	7.810	10.11	1.451	1.536	1.562	90- 95	3.727	4507
100.0	0.892	2.274	2.081	2.299	9.416	2.161	2.180	2.041	95-100	1.827	4509
105.0	2.478	2.949	2.924	3.595	9.515	3.062	2.874	2.407	100-105	1.575	4511
110.0	4.063	3.653	3.766	4.760	8.920	3.906	3.568	2.665	105-110	1.948	4513
115.0	4.163	4.415	4.609	5.860	9.813	4.715	4.262	3.142	110-115	2.274	4515
120.0	5.749	5.360	5.451	7.190	10.01	5.696	4.956	3.720	115-120	2.568	4518
125.0	7.334	5.975	6.294	7.978	10.11	6.465	5.649	4.255	120-125	2.827	4520
130.0	8.127	6.805	7.136	9.294	11.00	7.258	6.343	5.224	125-130	3.028	4523
135.0	9.020	7.746	7.979	10.20	11.20	8.091	7.037	5.628	130-135	3.154	4527
140.0	10.60	8.826	8.821	10.68	11.99	8.727	7.731	6.481	135-140	3.206	4530
145.0	11.49	9.467	9.664	11.98	12.88	9.428	8.425	7.438	140-145	3.171	4533
150.0	12.29	10.74	10.50	12.62	12.98	10.57	9.119	8.243	145-150	3.043	4536
155.0	13.08	11.57	11.34	13.19	13.77	10.65	9.813	8.913	150-155	2.808	4539
160.0	14.66	12.48	12.19	13.68	13.87	11.18	10.50	9.979	155-160	2.486	4541
165.0	14.76	13.06	13.03	15.02	13.18	12.06	11.20	10.73	160-165	2.058	4543
170.0	14.76	14.36	13.87	15.02	13.18	12.29	11.89	11.57	165-170	1.563	4545
175.0	15.56	15.31	14.71	16.07	13.28	12.79	12.58	12.79	170-175	0.990	4546
180.0	15.56	15.56	15.56	15.56	13.28	13.28	13.28	13.28	175-180	0.343	4546
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2018-01-09

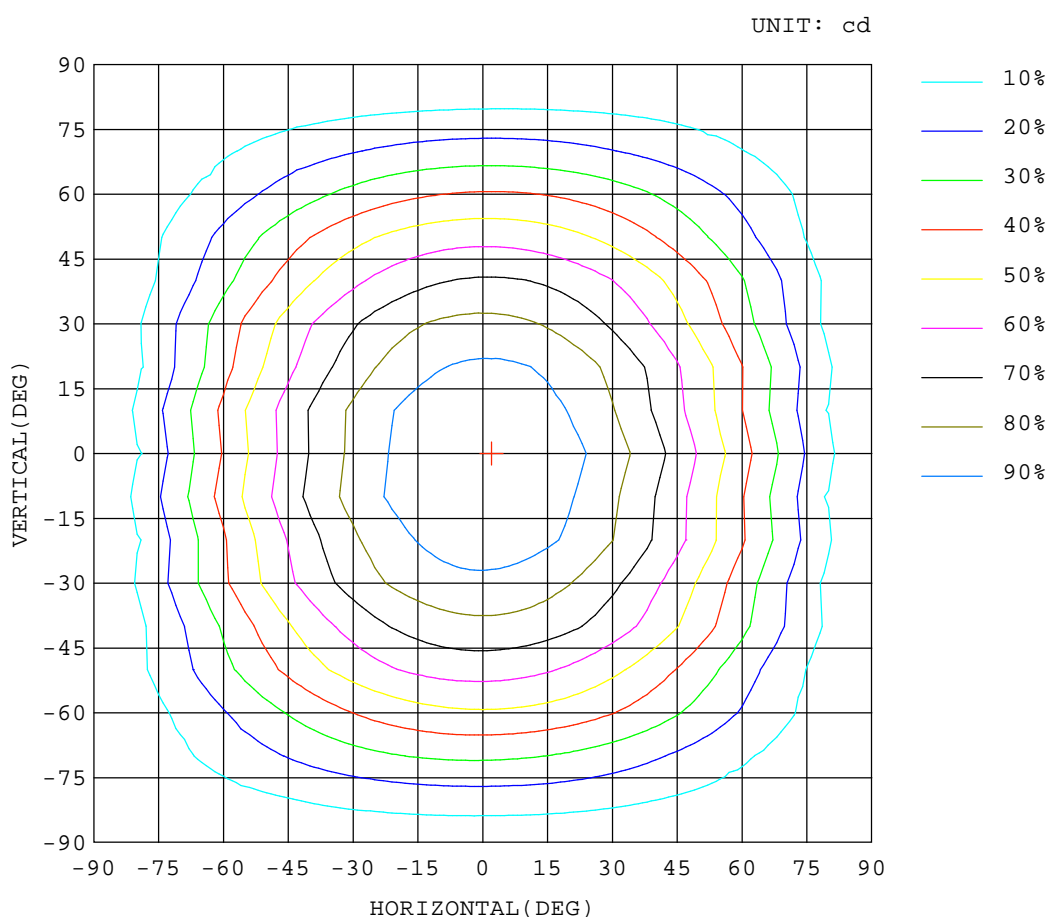
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 Remarks:

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## ISOCANDELA DIAGRAM

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 Operators:Jason  
 Test Date:2018-01-09

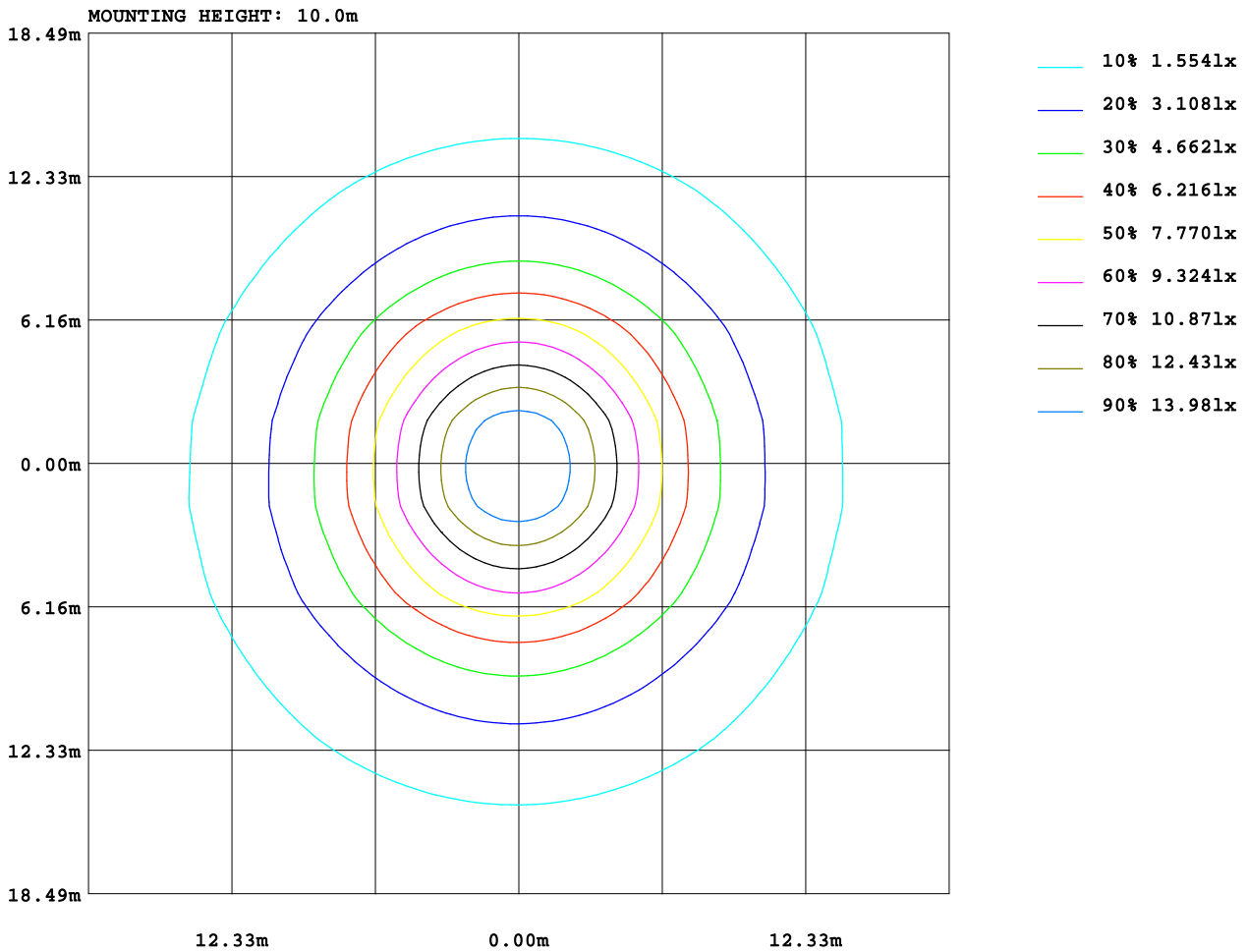
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 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

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## ISOLUX DIAGRAM

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NAME: TLP-30120-36-NW-120D	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196mm	SERIAL No.:2018010921



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 Operators:Jason  
 Test Date:2018-01-09

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 Remarks:

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**Uncorrected UGR Table**

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<b>MANUFACTURER: SGSLight Limited</b>						<b>Address:</b>				
<b>NAME: TLP-30120-36-NW-120D</b>						<b>TYPE:LED Panel Light</b>			<b>WEIGHT:</b>	
<b>SPECIFICATION:4000K CRI&gt;80</b>						<b>DIMENSION: 296x1196mm</b>			<b>SERIAL No.:2018010921</b>	
<b>ceiling/cavity</b>	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
<b>walls</b>	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
<b>working plane</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	17.6	19.1	17.9	19.3	19.5	18.2	19.7	18.4	19.9	20.1
3H	19.0	20.4	19.3	20.7	20.9	19.8	21.2	20.1	21.5	21.7
4H	19.6	20.9	19.9	21.2	21.5	20.5	21.9	20.9	22.1	22.4
6H	20.0	21.2	20.3	21.5	21.8	21.1	22.4	21.5	22.7	23.0
8H	20.1	21.3	20.5	21.6	21.9	21.3	22.5	21.7	22.8	23.2
12H	20.2	21.3	20.5	21.6	22.0	21.5	22.7	21.9	23.0	23.3
4H 2H	18.3	19.6	18.6	19.9	20.2	18.7	20.1	19.1	20.3	20.6
3H	19.9	21.1	20.3	21.4	21.7	20.6	21.8	21.0	22.1	22.4
4H	20.6	21.7	21.0	22.0	22.4	21.4	22.5	21.8	22.8	23.2
6H	21.1	22.1	21.5	22.4	22.8	22.2	23.1	22.6	23.5	23.9
8H	21.3	22.2	21.7	22.5	23.0	22.5	23.3	22.9	23.7	24.1
12H	21.4	22.2	21.8	22.6	23.0	22.7	23.5	23.2	23.9	24.4
8H 4H	21.0	21.8	21.4	22.2	22.6	21.7	22.6	22.1	23.0	23.4
6H	21.6	22.4	22.1	22.8	23.2	22.6	23.3	23.0	23.7	24.2
8H	21.9	22.5	22.4	23.0	23.4	23.0	23.6	23.5	24.1	24.5
12H	22.1	22.6	22.5	23.1	23.6	23.4	23.9	23.9	24.4	24.9
12H 4H	21.0	21.8	21.4	22.2	22.6	21.7	22.5	22.1	22.9	23.3
6H	21.7	22.4	22.2	22.8	23.3	22.6	23.3	23.1	23.7	24.2
8H	22.0	22.6	22.5	23.0	23.5	23.1	23.6	23.6	24.1	24.6
<b>Variations with the observer position at spacings:</b>										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 4546 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.3)

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