

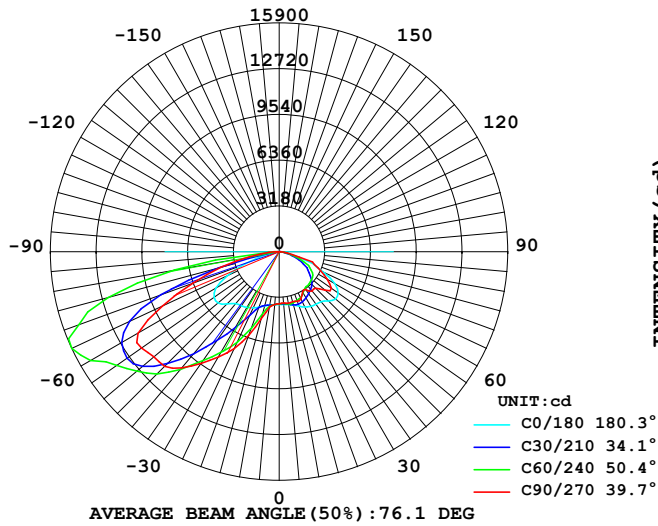
# TEST REPORT according to EN 13032

Report number:

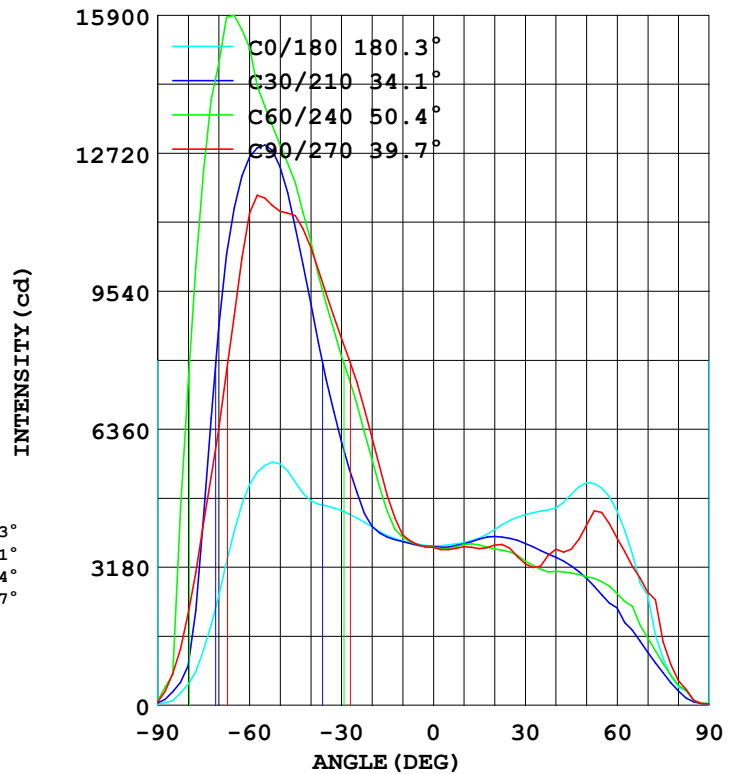
MANUFACTURER:		
Address:		
NAME: LSNFL-240W	TYPE:	WEIGHT:
SPECIFICATION: 5000K TYPE4	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	15900	S/MH (C0/180)	1.98
MODEL	5050	EFFICIENCY (%)	100.0	S/MH (C90/270)	2.81
NOMINAL POWER (W)	240	TOTAL FLUX (lm)	30083	Voltage (V)	220.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	125.8	Current (A)	1.083
NOMINAL FLUX (lm)	30082.6	$\eta$ up (%)	0.0	Power (W)	239.1
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.968
TEST VOLTAGE (V)	220.8	Effective Flux (lm)	29182.3	EET	0.112

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Temperature: 25.3 DEG  
 Operators:  
 Test Date: 28-05-2019

Test Set: 8.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 6.000 m  
 Remarks:

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## Color Temperature Data List

Report number:

MANUFACTURER:		
Address:		
NAME: LSNFL-240W	TYPE:	WEIGHT:
SPECIFICATION: 5000K TYPE4	DIMENSION:	SERIAL No. :

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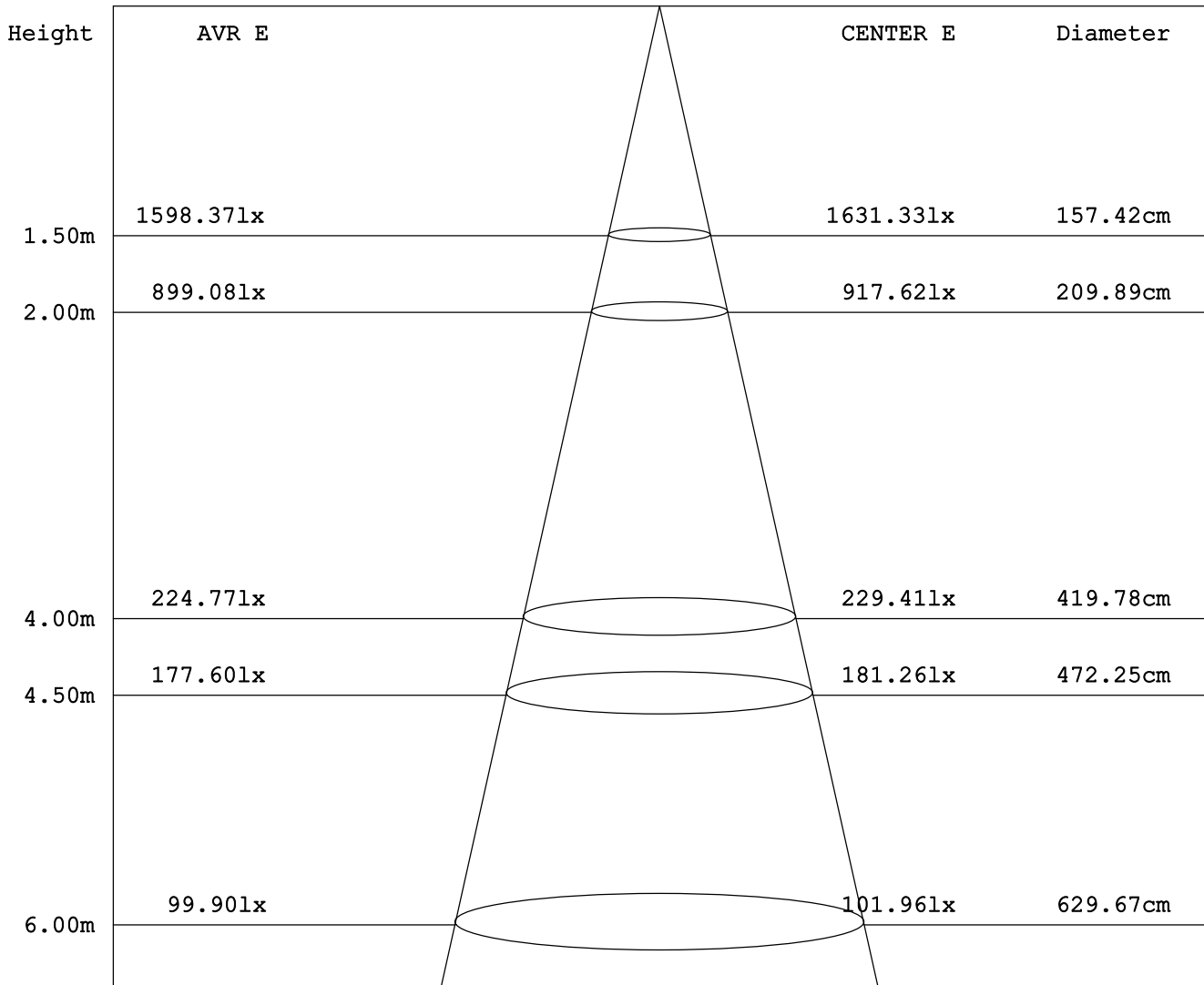
Temperature:25.3DEG  
Operators:  
Test Date:28-05-2019

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.000 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: LSNFL-240W	TYPE:	WEIGHT:
SPECIFICATION: 5000K TYPE4	DIMENSION:	SERIAL No. :



Angle:55.4deg

Temperature:25.3DEG  
 Operators:  
 Test Date:28-05-2019

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.000 m  
 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: LSNFL-240W	TYPE:	WEIGHT:
SPECIFICATION: 5000K TYPE4	DIMENSION:	SERIAL No. :

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	371.2	369.5	370.1	367.5	369.8	363.4	358.8	359.2	0- 5	87.10	87.10
10.0	378.5	382.6	392.3	377.1	374.6	371.6	365.1	367.3	5- 10	265.0	352.1
15.0	390.8	404.9	483.0	398.1	385.5	375.2	360.9	370.4	10- 15	457.7	809.8
20.0	410.9	495.9	615.4	492.5	404.4	367.3	368.8	362.2	15- 20	688.0	1498
25.0	431.7	616.2	745.1	607.5	426.0	352.3	361.6	350.5	20- 25	967.7	2466
30.0	448.5	742.4	845.2	731.3	439.2	339.2	326.4	340.1	25- 30	1272	3738
35.0	459.6	878.2	948.6	857.3	447.2	329.4	320.6	330.4	30- 35	1604	5342
40.0	471.2	1049	1055	998.2	454.6	320.6	359.4	318.0	35- 40	2000	7342
45.0	513.5	1239	1128	1153	486.0	310.8	359.5	302.5	40- 45	2441	9783
50.0	556.0	1372	1138	1274	512.9	297.4	415.7	286.4	45- 50	2859	12642
55.0	552.3	1469	1169	1375	501.2	277.8	444.0	266.7	50- 55	3204	15846
60.0	508.8	1516	1134	1459	447.7	242.8	385.2	235.0	55- 60	3418	19264
65.0	400.7	1517	897.0	1474	348.2	191.7	320.2	188.8	60- 65	3401	22666
70.0	253.4	1467	638.3	1472	253.4	137.1	260.5	136.0	65- 70	3049	25715
75.0	127.3	1215	418.9	1212	108.3	87.17	146.5	89.81	70- 75	2373	28088
80.0	48.50	465.0	211.1	473.6	42.18	41.49	56.63	46.48	75- 80	1416	29504
85.0	10.68	48.59	73.51	41.23	10.20	11.15	11.23	10.68	80- 85	499.8	30003
90.0	2.560	7.098	8.053	4.060	2.057	4.703	2.952	4.066	85- 90	79.08	30083
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

Temperature:25.3DEG  
 Operators:  
 Test Date:28-05-2019

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.000 m  
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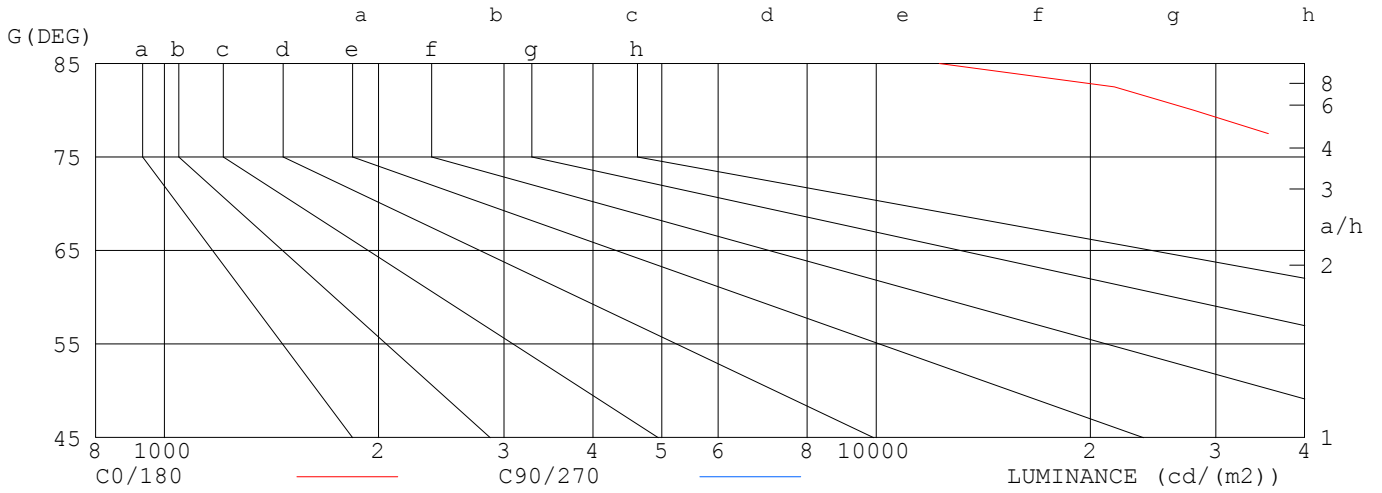
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: LSNFL-240W	TYPE:	WEIGHT:
SPECIFICATION: 5000K TYPE4	DIMENSION:	SERIAL No. :

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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



G (DEG)	LUMINANCE cd/ (m2)	
	C0/180	C90/270
85	12262	84353
80	27934	121617
75	49205	161852
70	74108	186649
65	94814	212268
60	101771	226840
55	96305	203772
50	86510	177030
45	72629	159521

Temperature:25.3DEG  
 Operators:  
 Test Date:28-05-2019

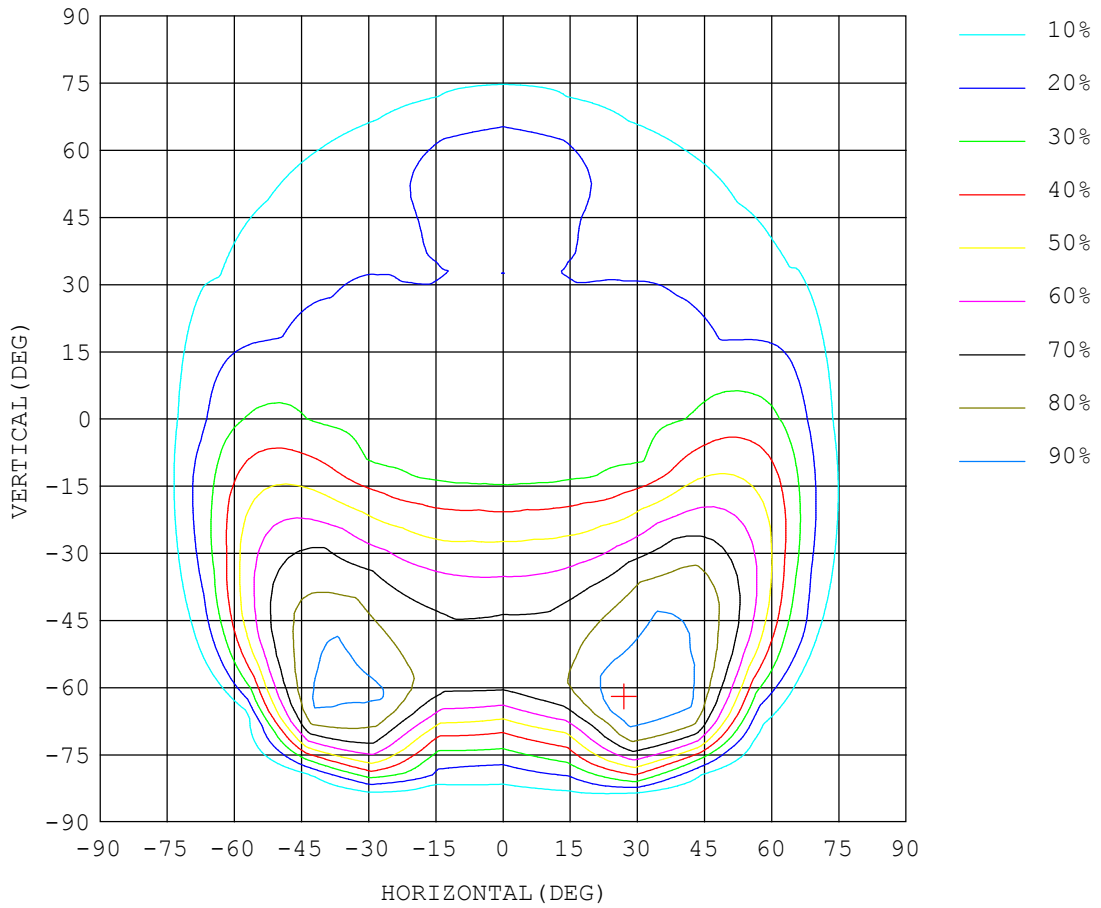
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.000 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: LSNFL-240W	TYPE:	WEIGHT:
SPECIFICATION: 5000K TYPE4	DIMENSION:	SERIAL No.:

UNIT: cd



Temperature: 25.3 DEG  
Operators:  
Test Date: 28-05-2019

Test Set: 8.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 6.000 m  
Remarks: