

Report No.:

Test Time: 11.12.2020 10:59

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 300 (1200) 4x18LED 0,3A 36W 4000K microprisma с БАП

Luminous Length (mm): 1200

Luminous Width (mm): 300

Luminous Height (mm): 40

Voltage: 221.2 V

Current: 0.175 A

Power: 37.93 W

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 4212.6 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 4212.6 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.3, 156.3, 143.1, 142.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.7, 78.6, 78.4, 78.2

Luminaire Efficacy Rating (LER): 111.11

Central Intensity: 2188.87 cd

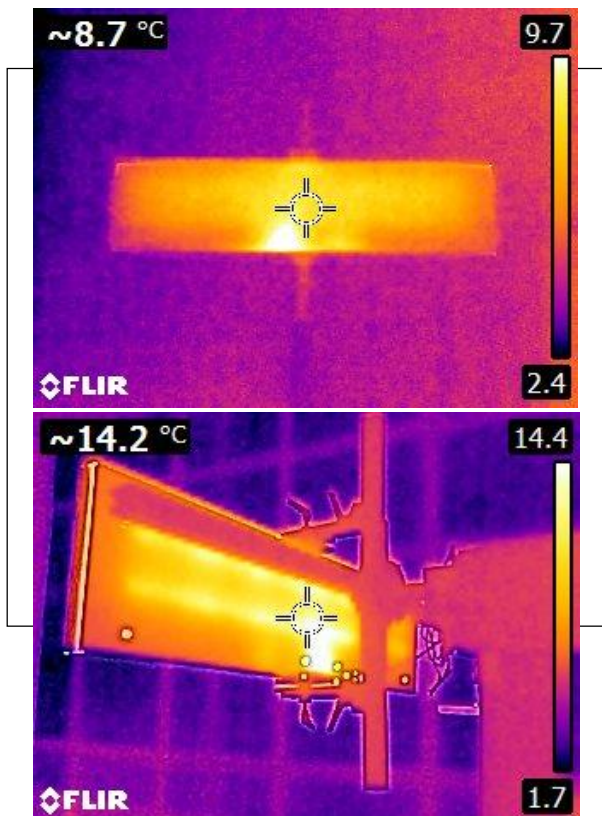
Max. Intensity: 2192.15 cd

Pos of Max. Intensity: H67.5 V2

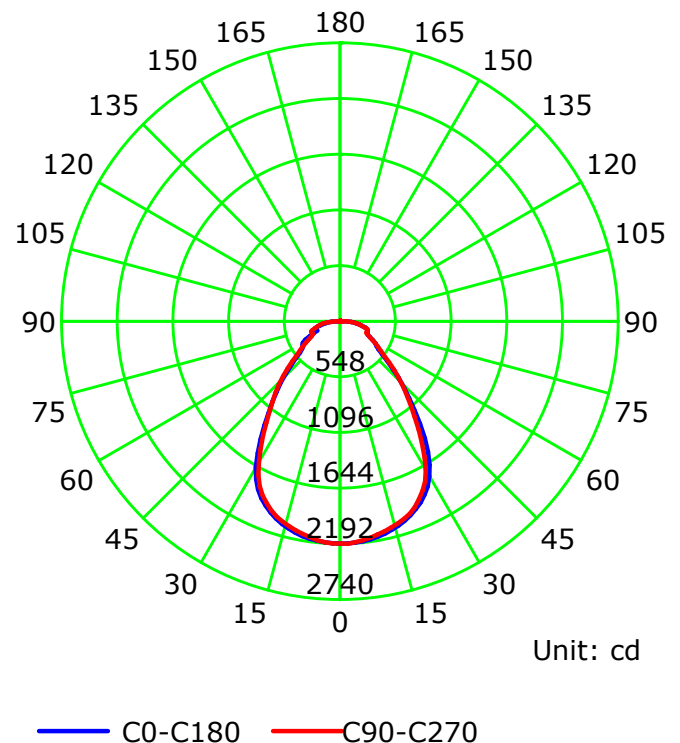
S/MH(C0/C180): 1.17

S/MH(C90/C270): 1.14

Termogramma



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector:

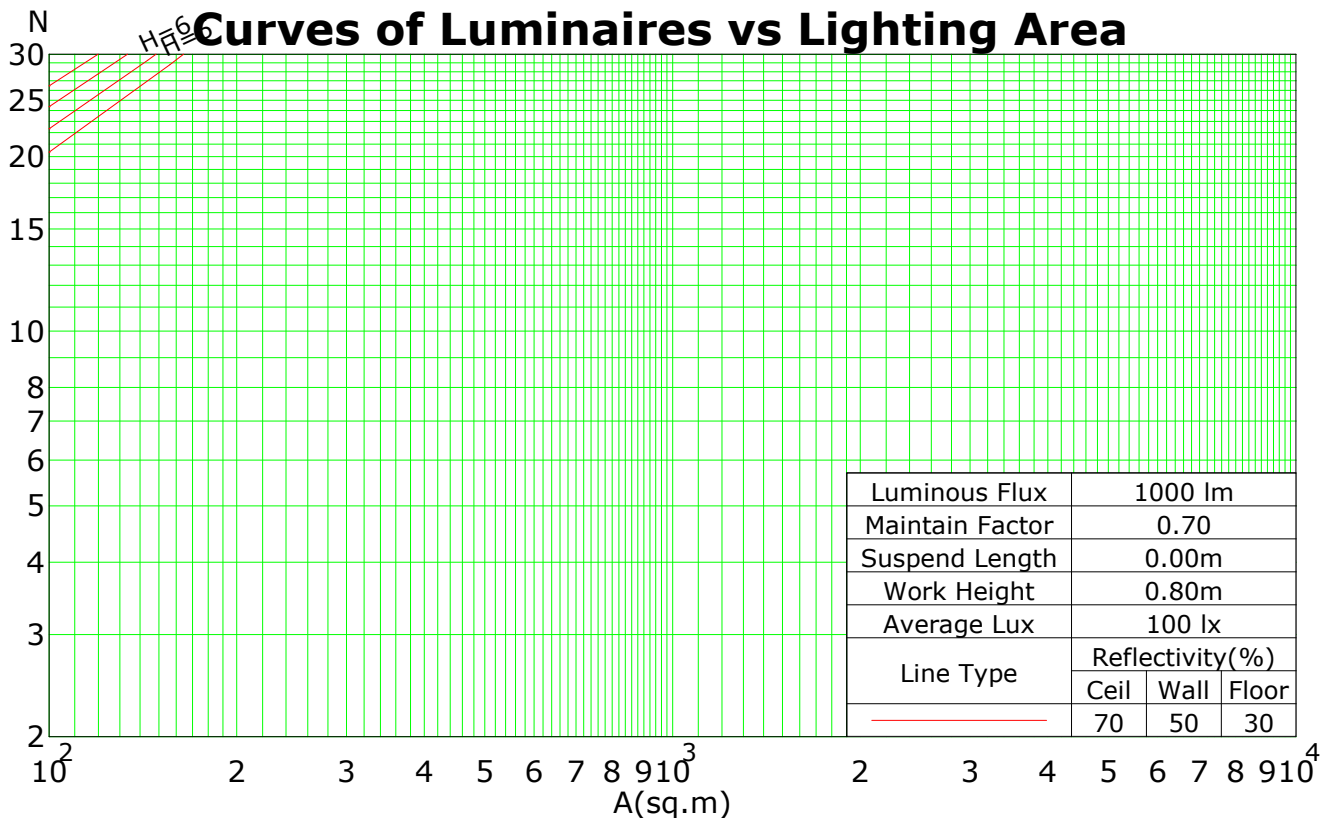
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	101	94	88	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	48	46
7	70	58	50	44	69	57	49	44	56	49	44	54	48	43	53	47	43	41
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	43	39	38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32

Spacing Criteria (0-180): 1.17

Spacing Criteria (90-270): 1.14

Spacing Criteria (Diagonal): 1.13



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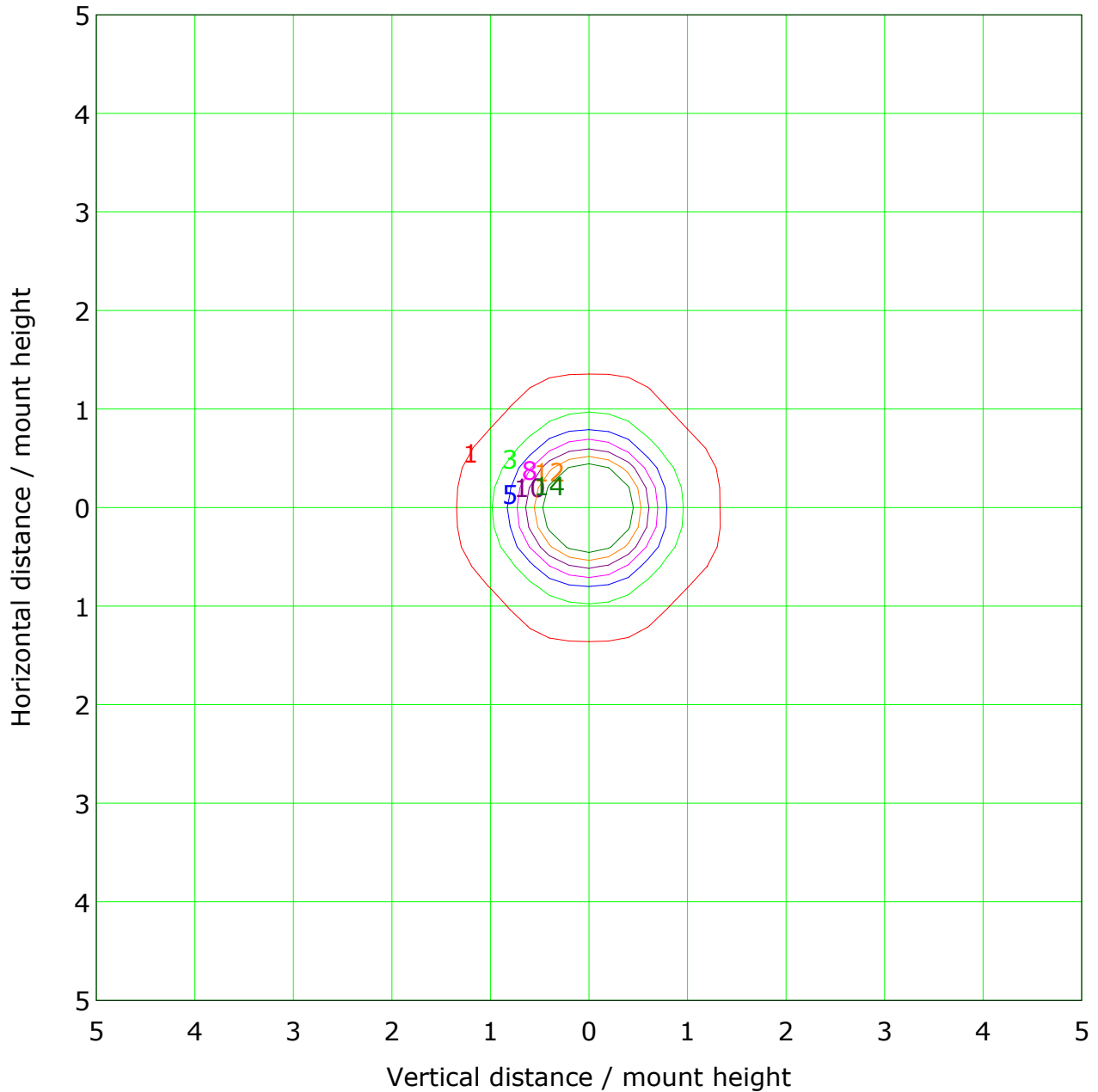
Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 21.9 lx

(5%): 1.1 lx	(15%): 3.3 lx
(25%): 5.5 lx	(35%): 7.7 lx
(45%): 9.9 lx	(55%): 12.0 lx
(65%): 14.2 lx	

C Plane (°):0.0-360.0: 22.5

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Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

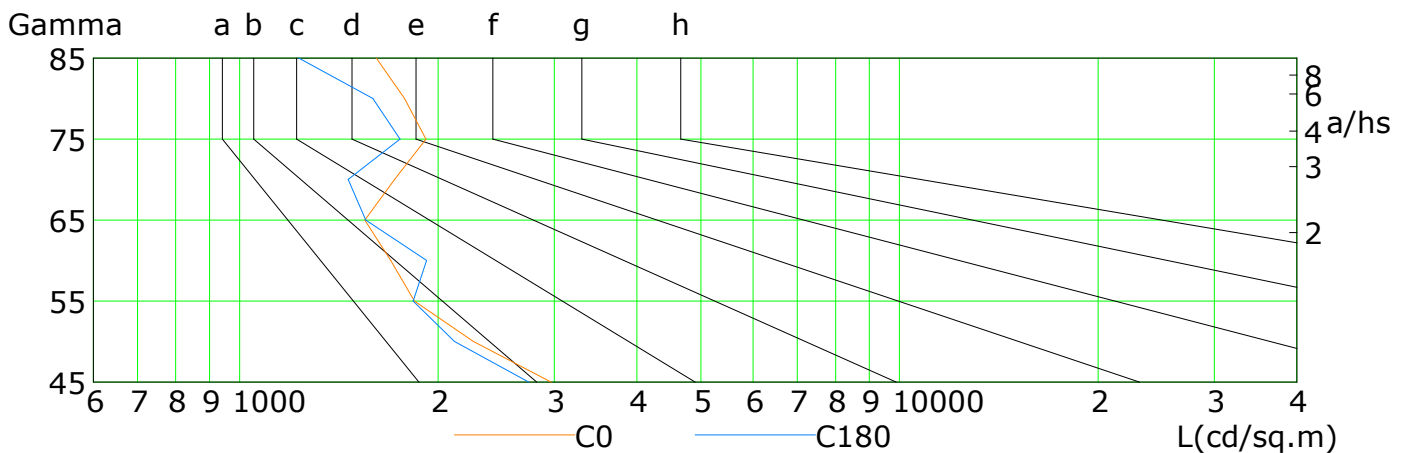
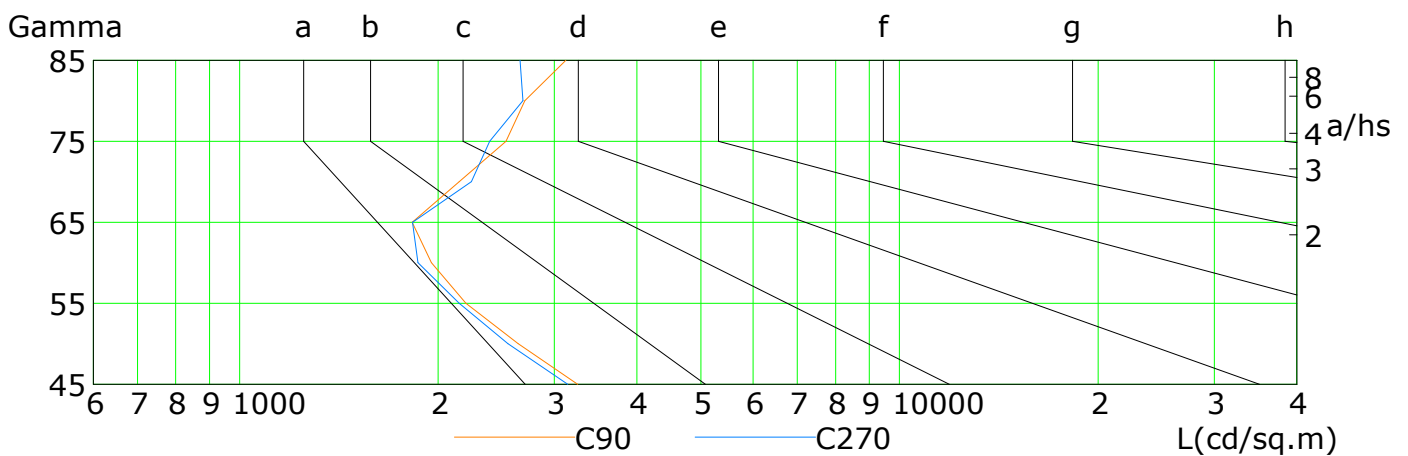
Inspector:



Lum Limit Curve

Dazzle	Quality	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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2964	2261	1840	1694	1547	1718	1917	1778	1611
C90	3252	2644	2204	1952	1826	2151	2534	2707	3121
C180	2742	2116	1831	1919	1553	1461	1750	1592	1230
C270	3142	2551	2153	1864	1828	2245	2392	2686	2661

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Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

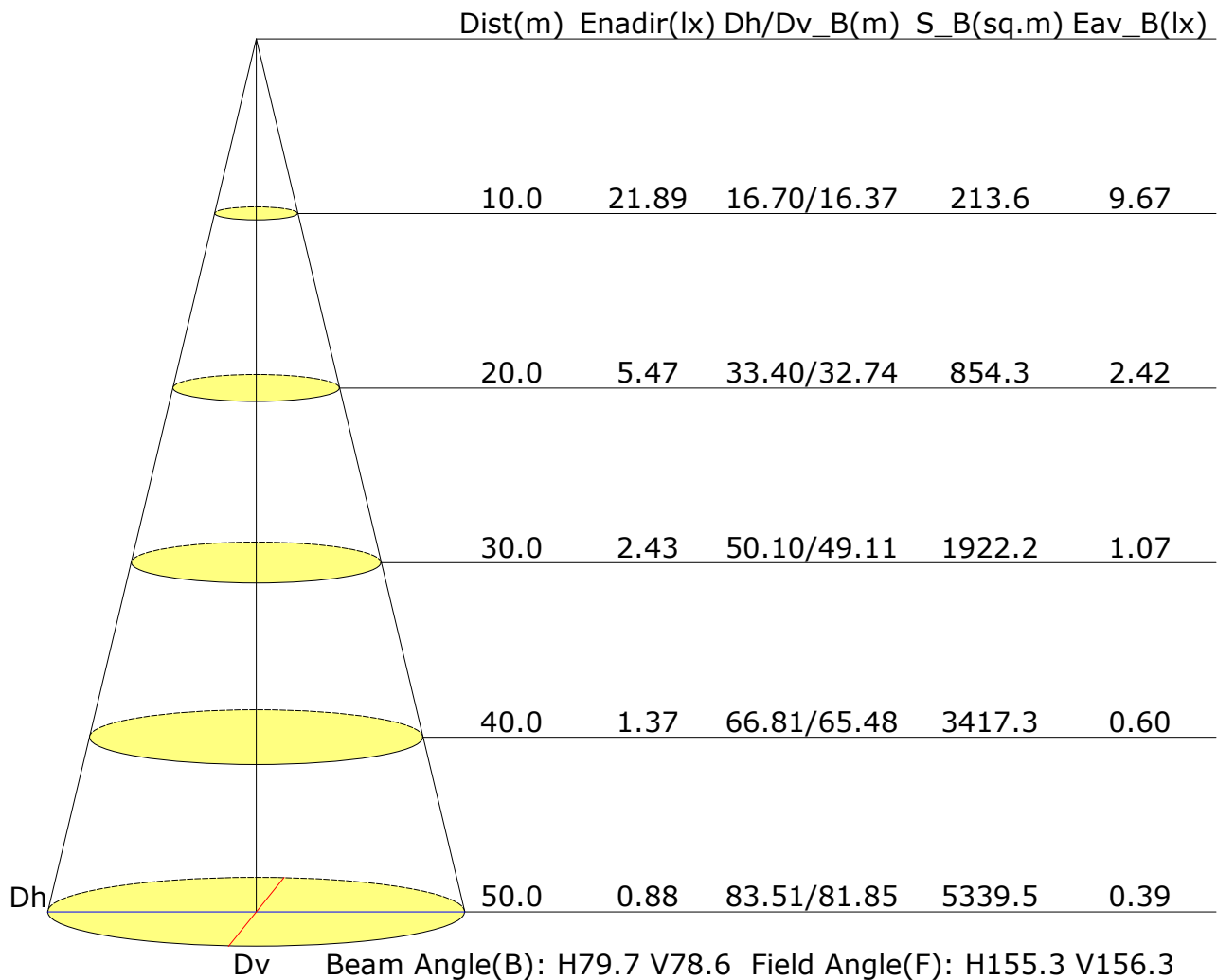
Test Device: LSG-1800B

Distance: 12.682 m

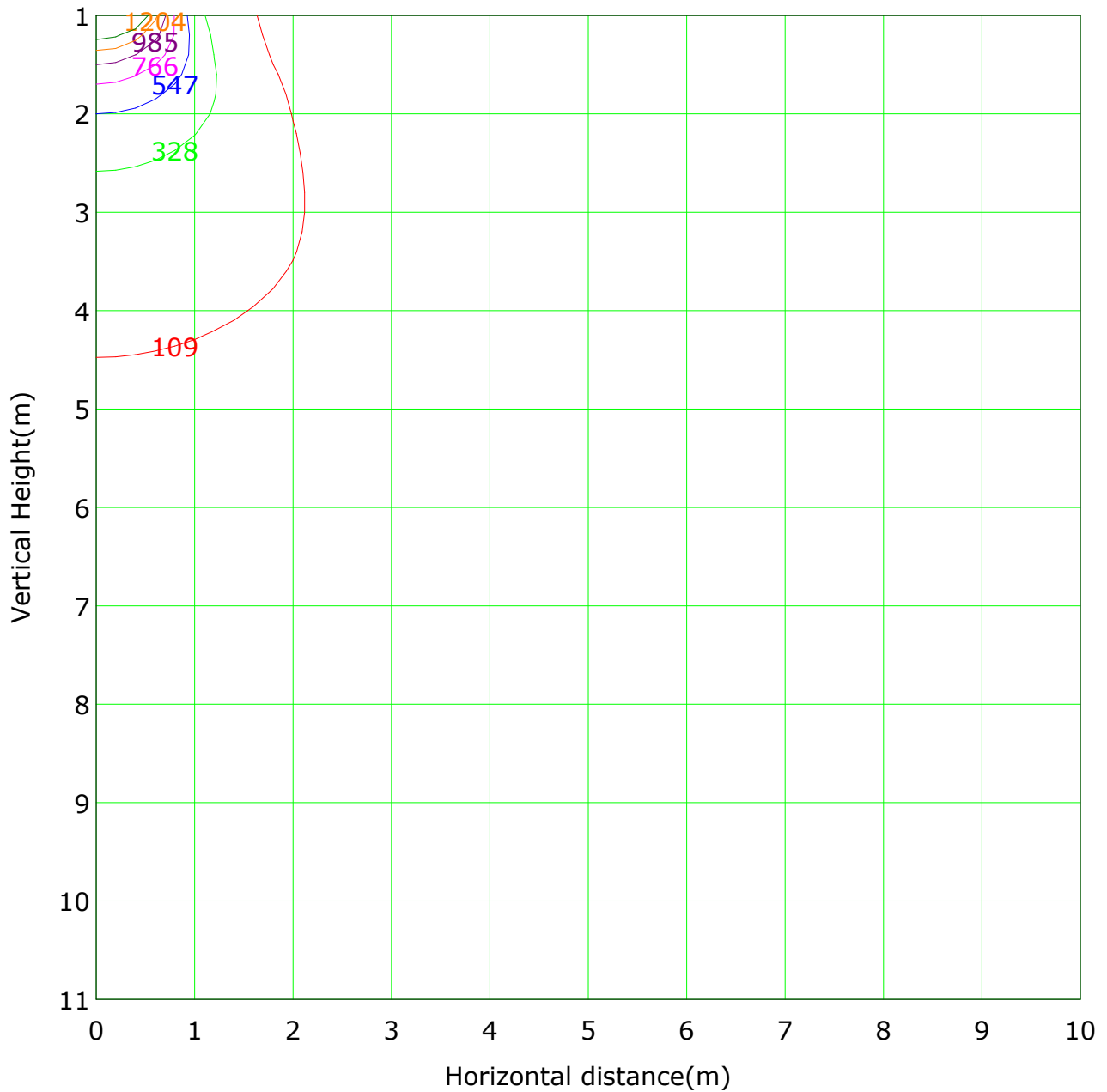
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2188.9 lx

(5%): 109.4 lx	(15%): 328.3 lx
(25%): 547.2 lx	(35%): 766.1 lx
(45%): 985.0 lx	(55%): 1203.9 lx
(65%): 1422.8 lx	

C Plane (°):0.0-360.0: 22.5

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Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector: