

Report No.:

Test Time: 09.12.2020 14:58

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 55 48LED 0,35A 2x55W 4000K opal

Luminous Length (mm): 1245

Luminous Width (mm): 55

Luminous Height (mm): 90

Voltage: 221.2 V

Current: 0.487 A

Power: 105.47 W

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 9154.9 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 9154.9 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.0, 163.4, 162.7, 162.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.7, 115.6, 115.1, 115.1

Luminaire Efficacy Rating (LER): 86.85

Central Intensity: 3098.67 cd

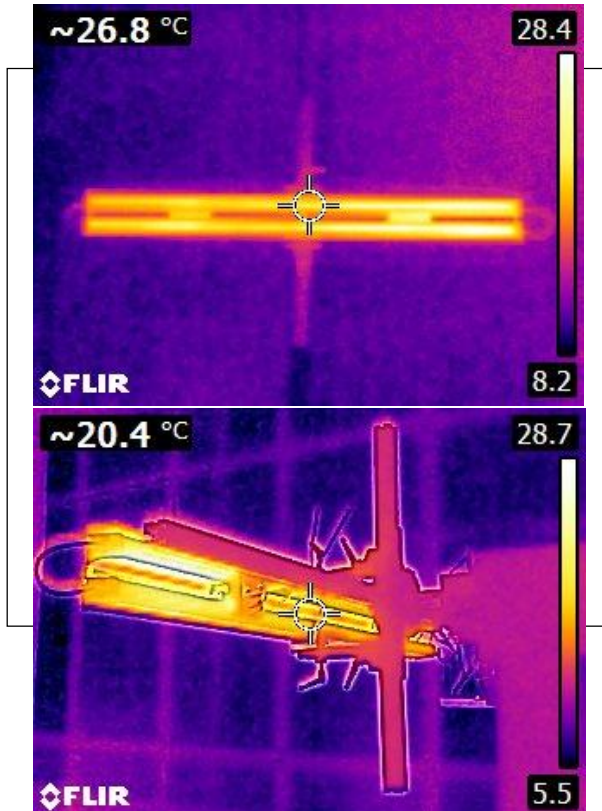
Max. Intensity: 3099.04 cd

Pos of Max. Intensity: H45 V0

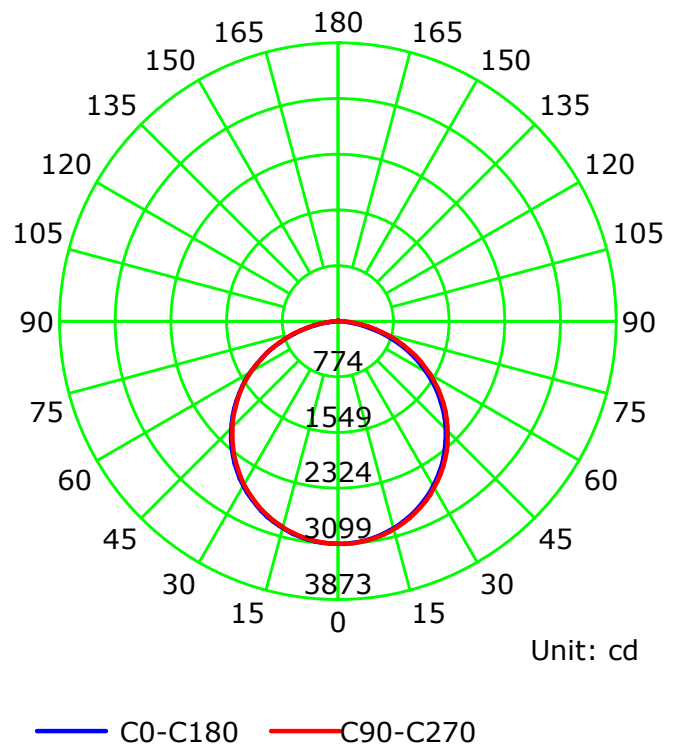
S/MH(C0/C180): 1.27

S/MH(C90/C270): 1.27

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:

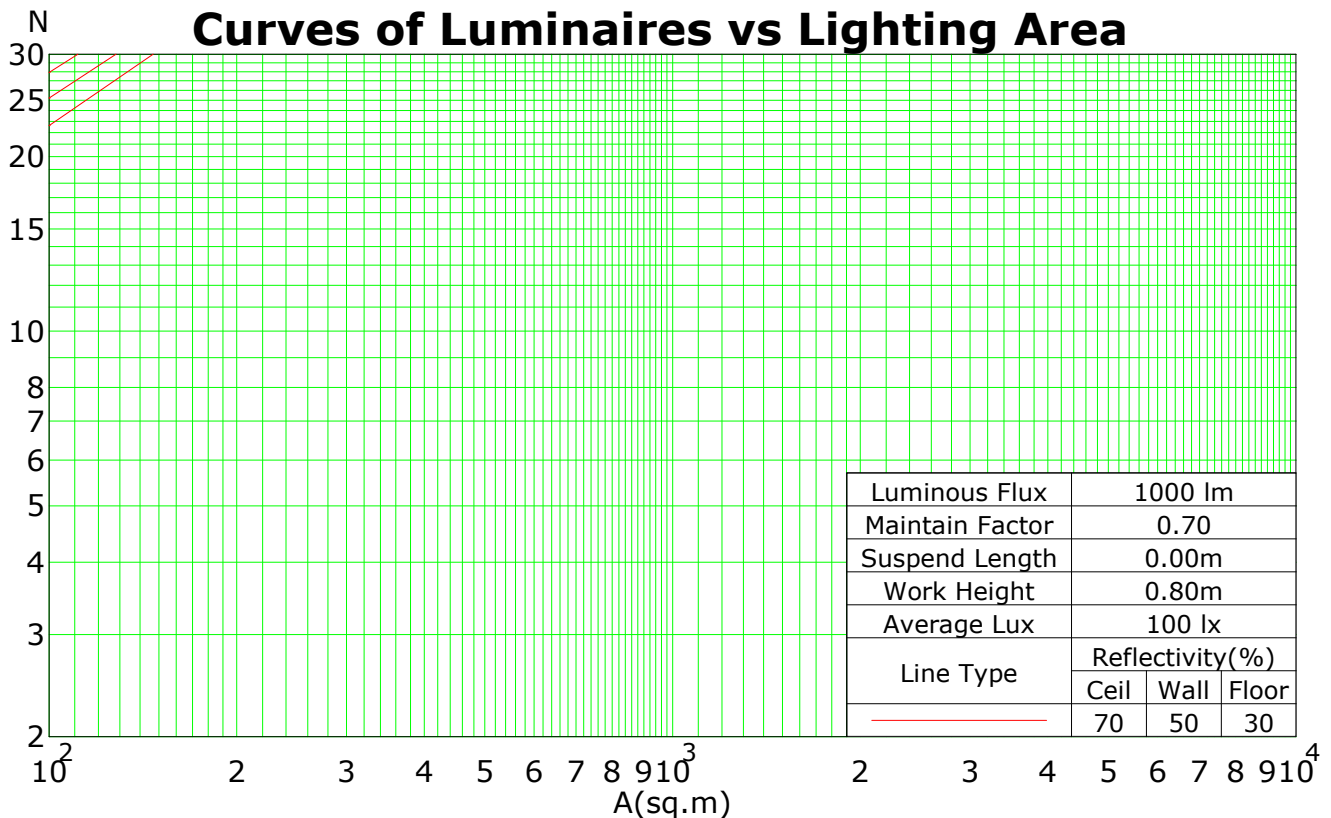
Coefficients Of Utilization - Zonal Cavity Method

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	101	101	101	99
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	36	30	25	23

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.39



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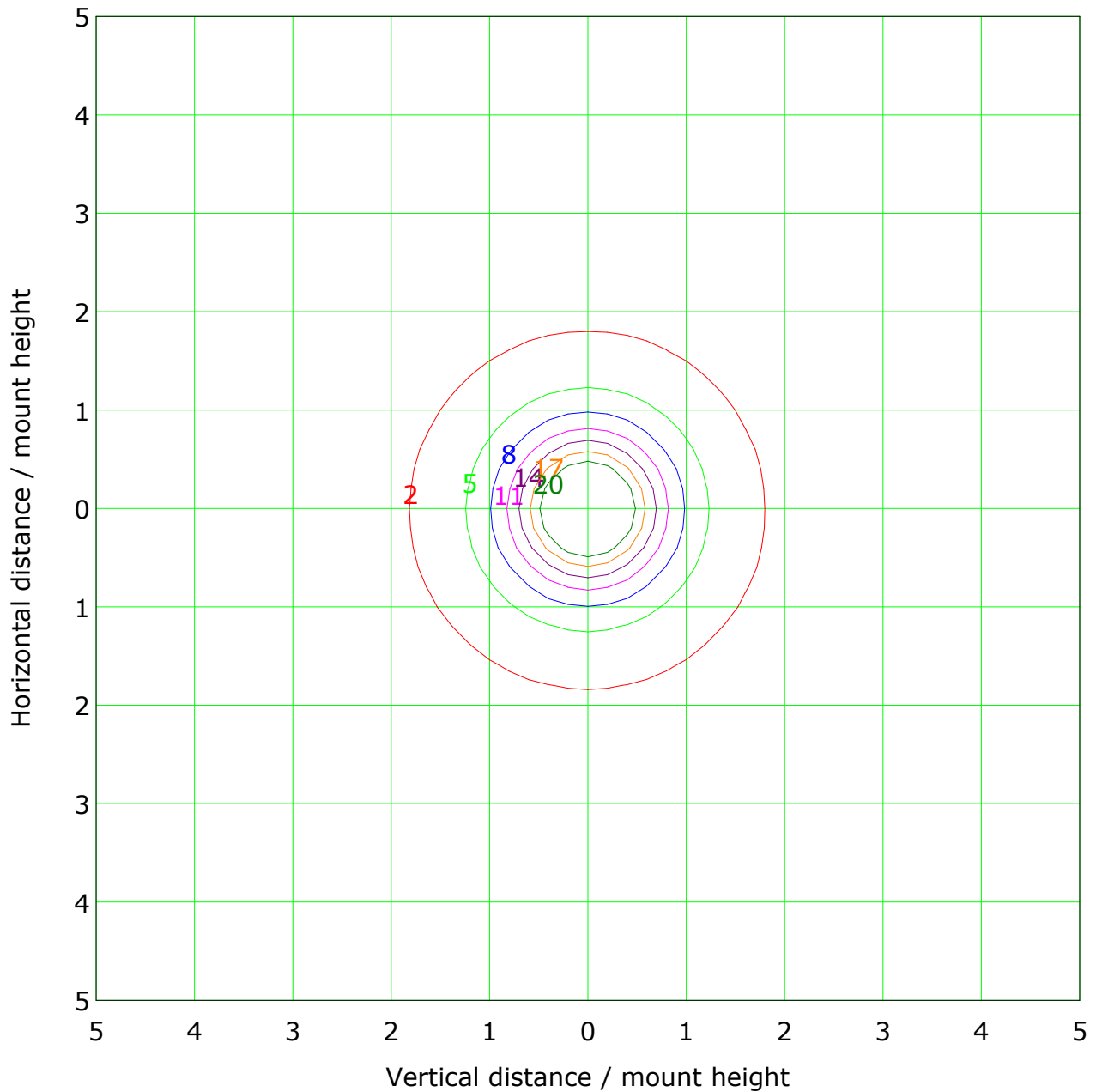
Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector:

IsoLux Plot



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Test Type: TYPE C

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Test Device: LSG-1800B

Distance: 12.682 m

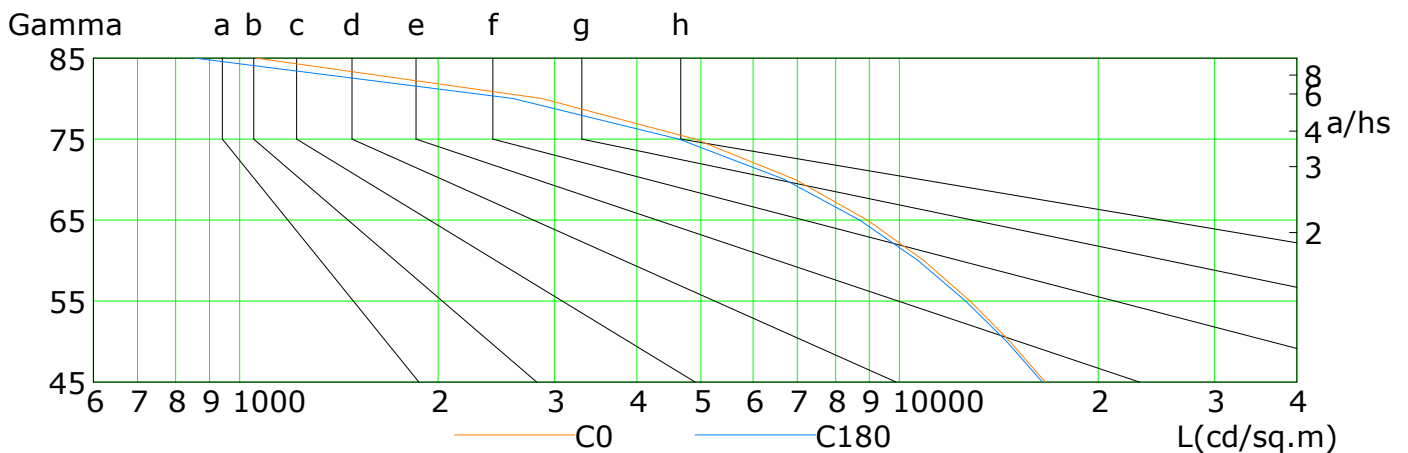
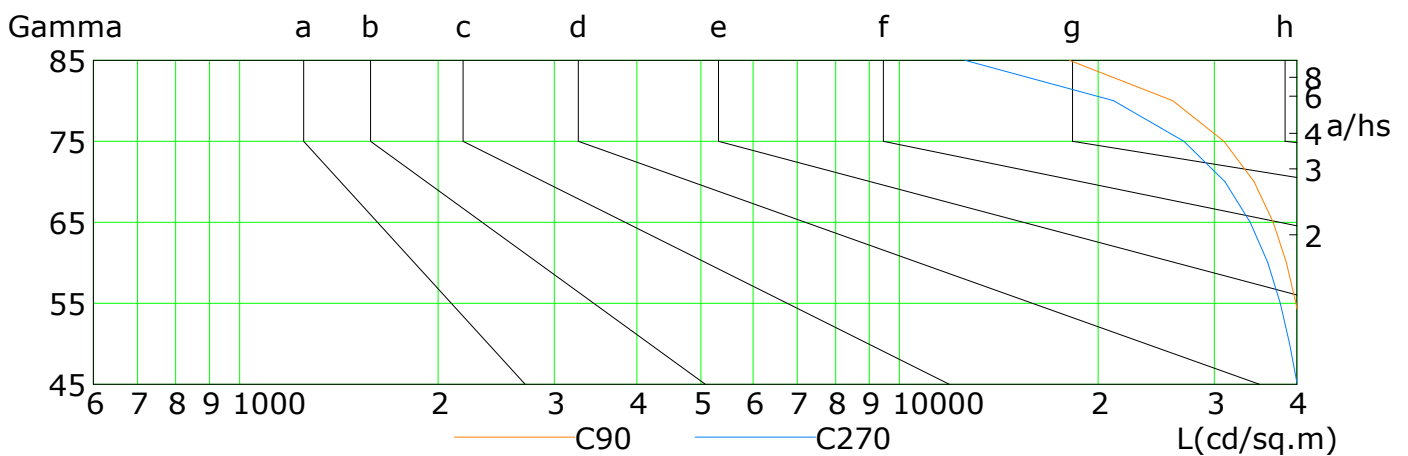
Humidity:

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	16631	14693	12792	10880	8941	6942	4899	2867	1060
C90	41661	40865	39878	38581	36860	34455	31029	25959	18090
C180	16472	14533	12598	10667	8702	6694	4630	2594	855
C270	40054	39017	37780	36170	33994	31129	26990	21103	12566

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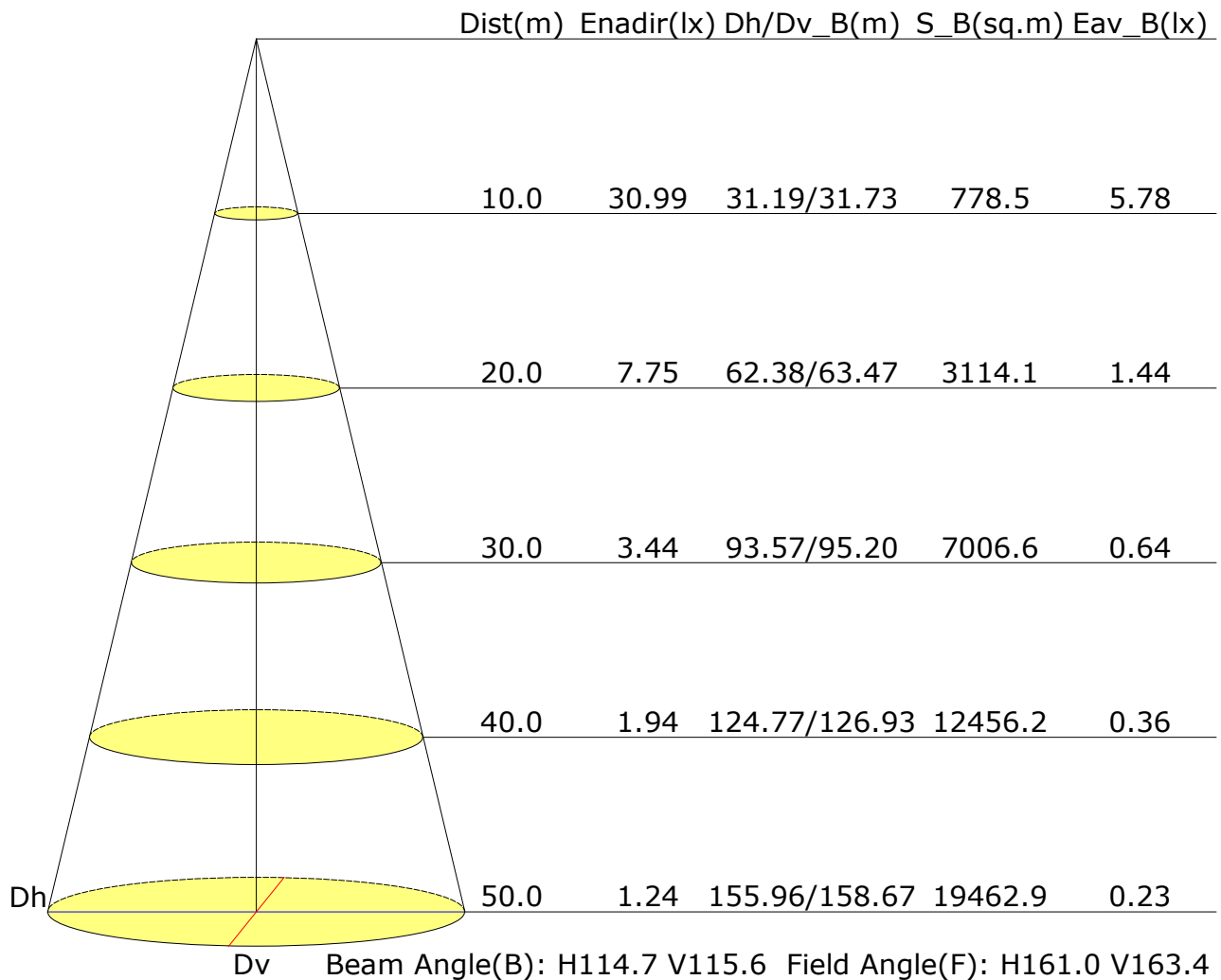
Test Device: LSG-1800B

Distance: 12.682 m

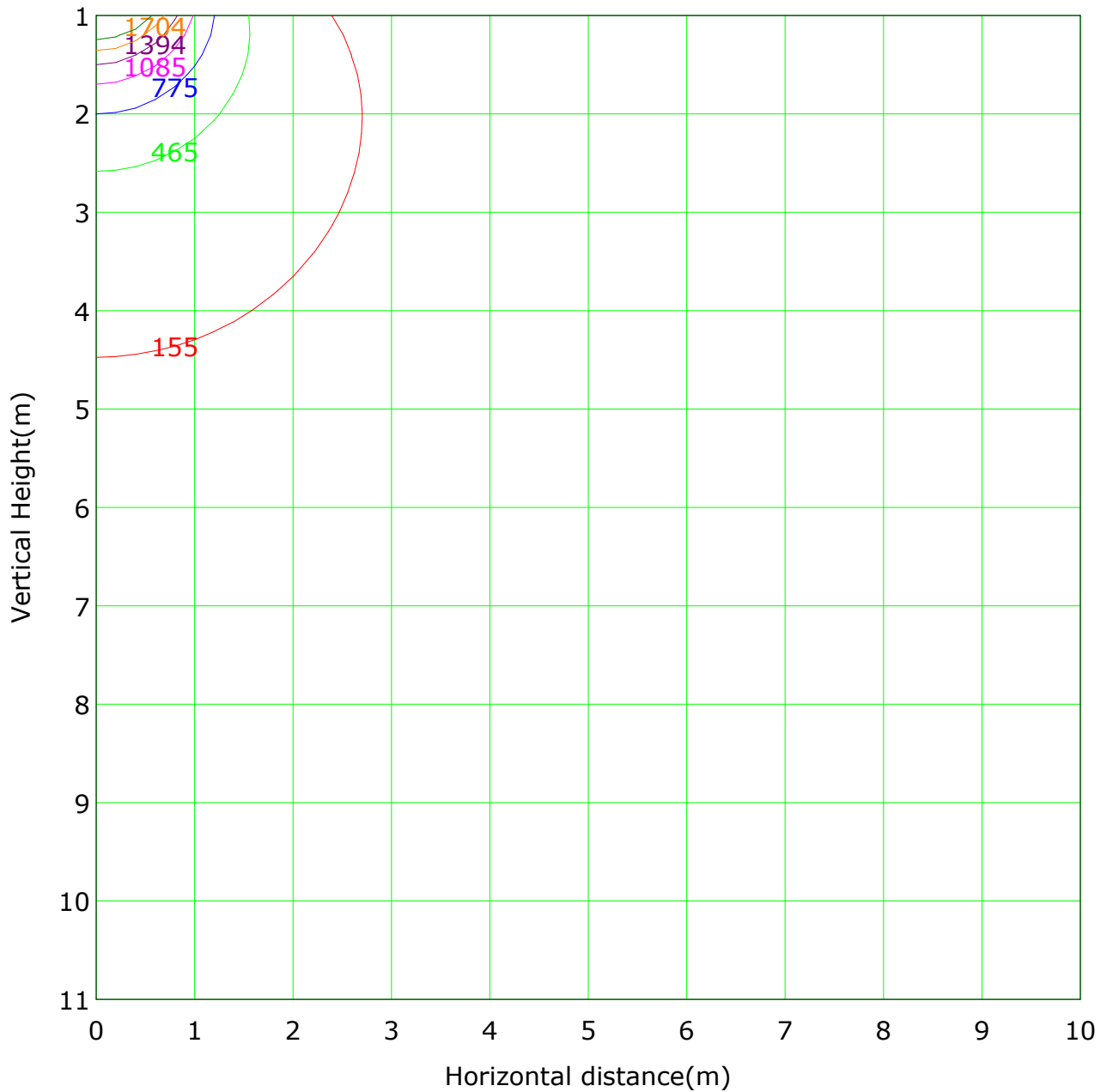
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3098.7 lx

(5%): 154.9 lx

(15%): 464.8 lx

(25%): 774.7 lx

(35%): 1084.5 lx

(45%): 1394.4 lx

(55%): 1704.3 lx

(65%): 2014.1 lx

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Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector: