

Report No.:

Test Time: 09.12.2020 12:23

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 300 (1200) 4x18LED 0,3A 36W 4000K opal c BAI

Luminous Length (mm): 1200

Luminous Width (mm): 300

Luminous Height (mm): 40

Voltage: 221.3 V

Current: 0.175 A

Power: 37.90 W

Power Factor: 0.976

Photometric Results

CIE Class: Direct

Measurement Flux: 3727.1 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 3727.1 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.6, 164.4, 164.6, 164.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.7, 112.6, 112.6, 112.6

Luminaire Efficacy Rating (LER): 98.39

Central Intensity: 1280.91 cd

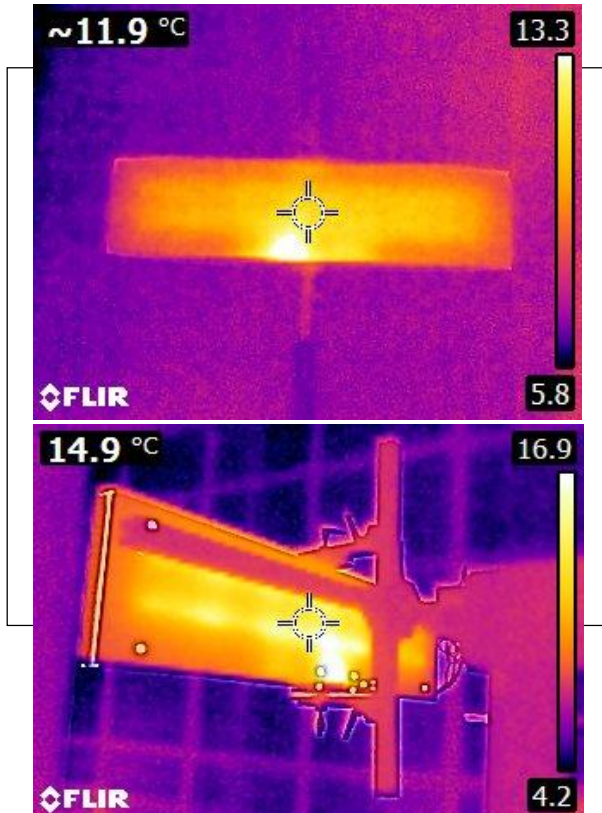
Max. Intensity: 1282.61 cd

Pos of Max. Intensity: H112.5 V2

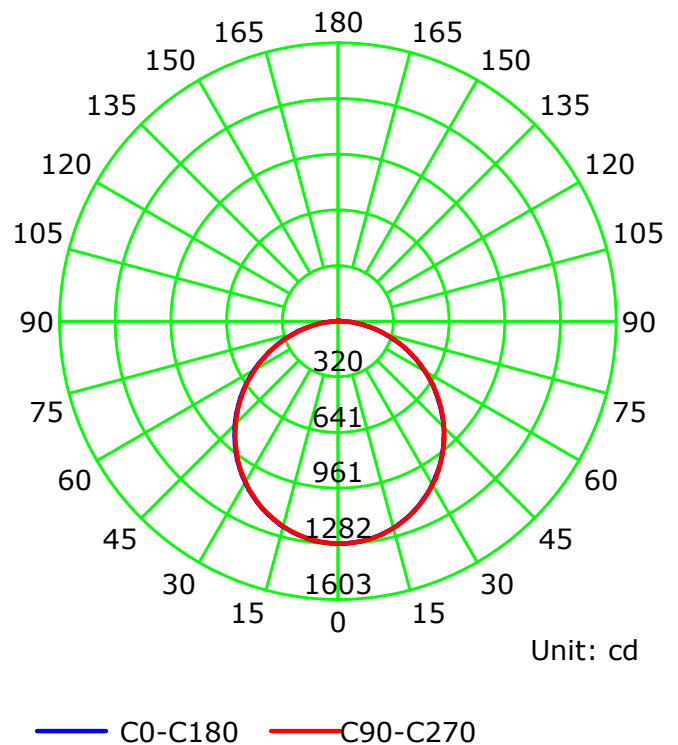
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.25

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:

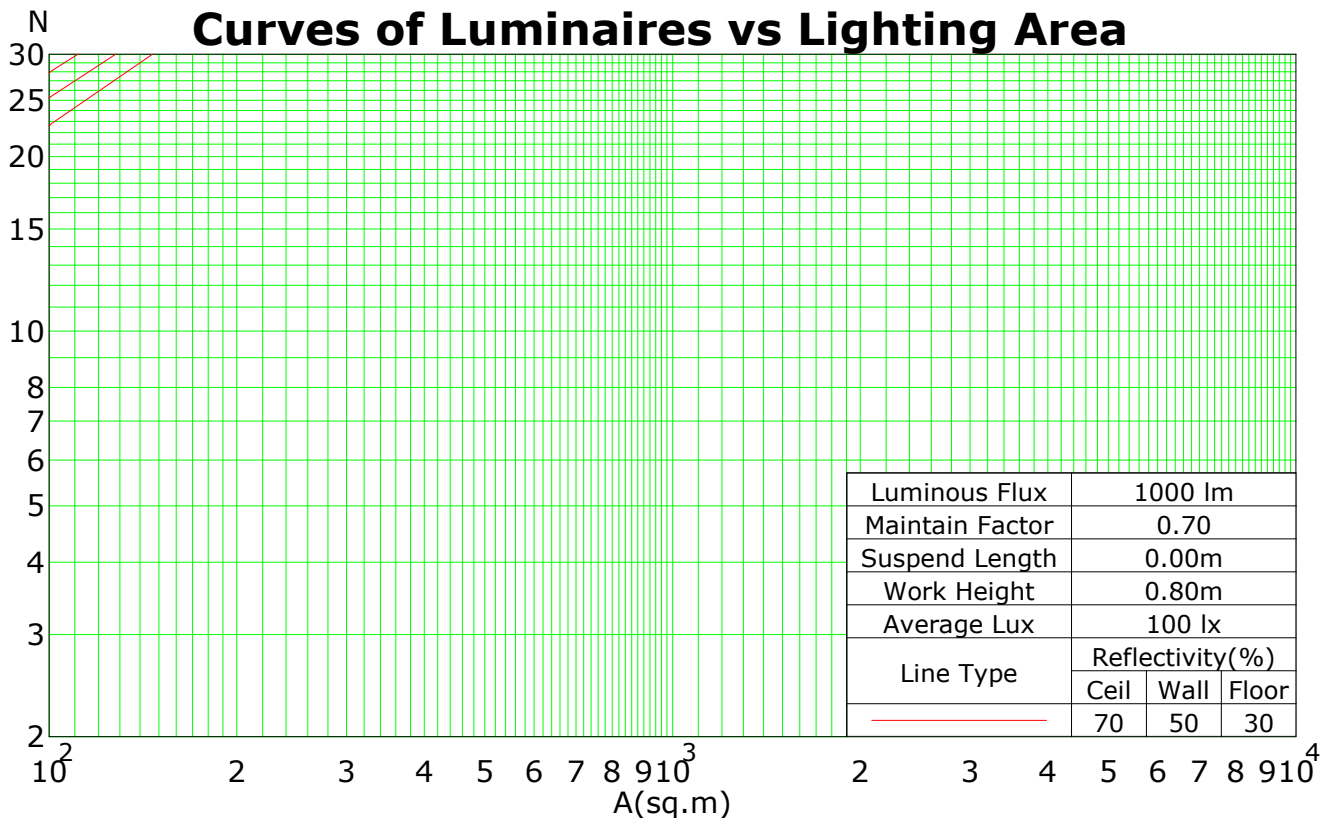
Coefficients Of Utilization - Zonal Cavity Method

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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	70	61	54	79	68	60	53	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	35	32
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	29	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.37



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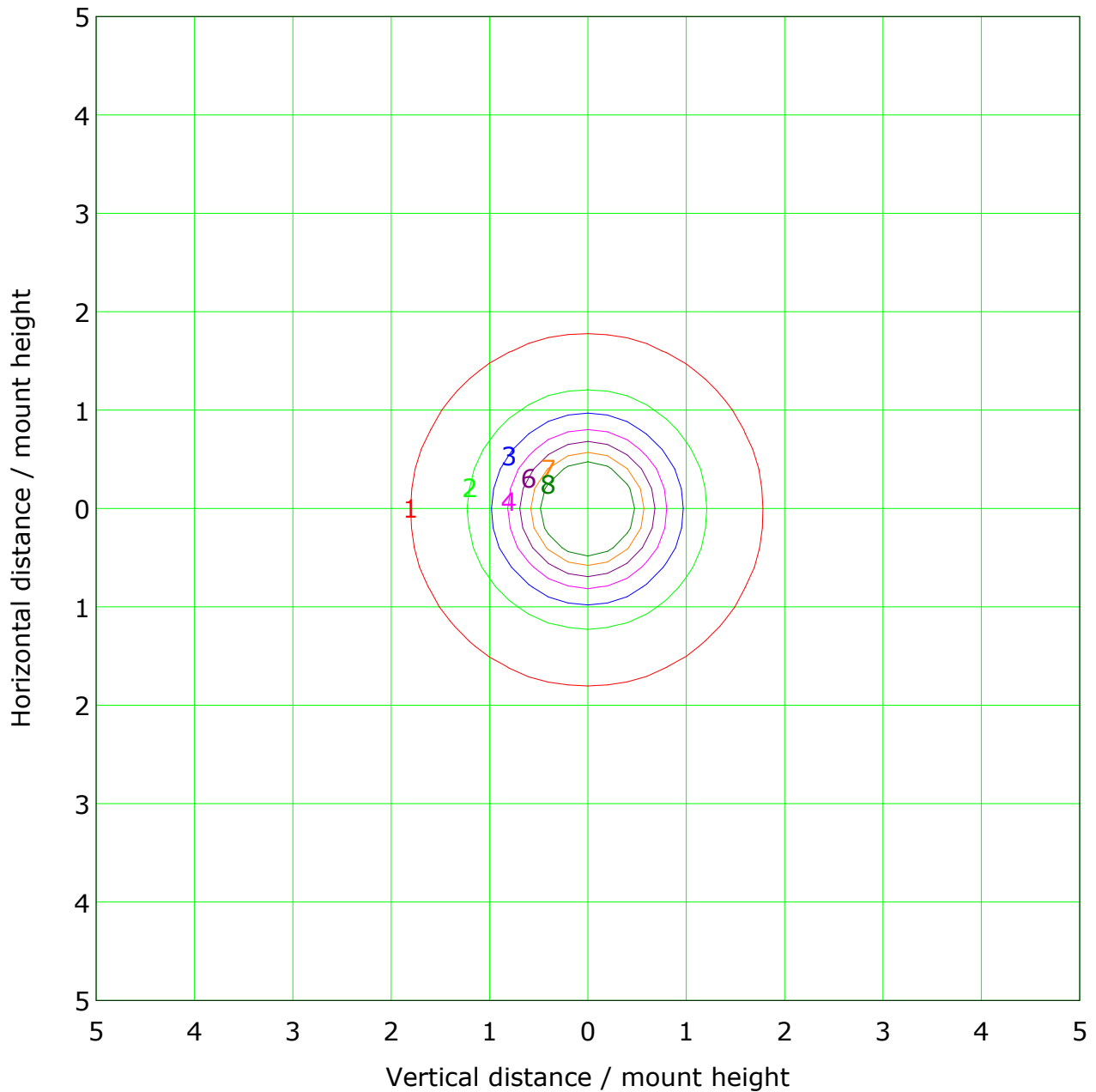
Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 12.8 lx	
(5%):	0.6 lx	(15%):	1.9 lx
(25%):	3.2 lx	(35%):	4.5 lx
(45%):	5.8 lx	(55%):	7.0 lx
(65%):	8.3 lx		

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Test Device: LSG-1800B

Distance: 12.682 m

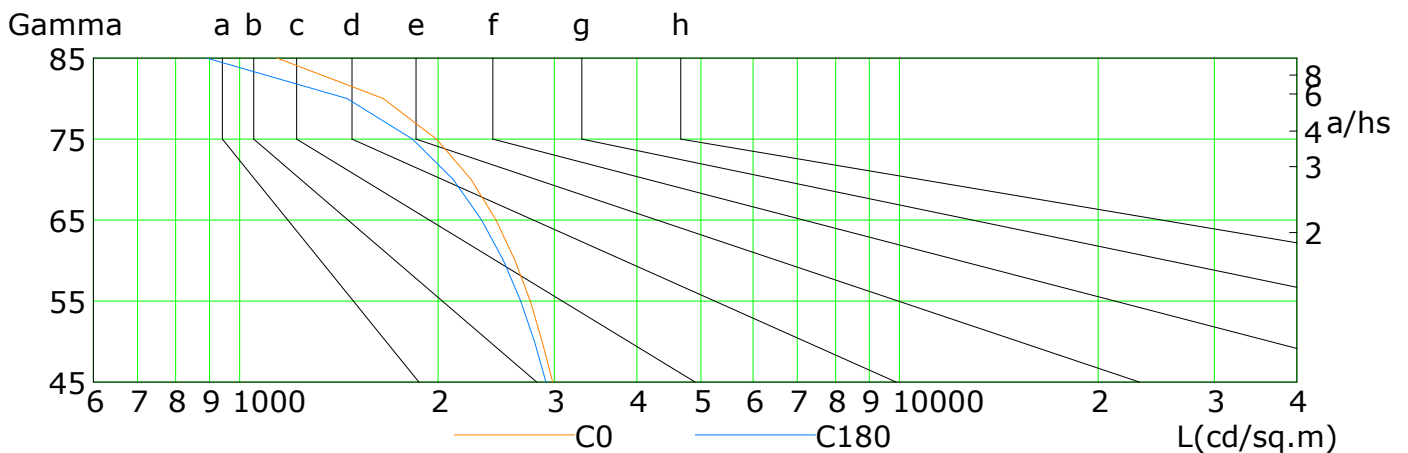
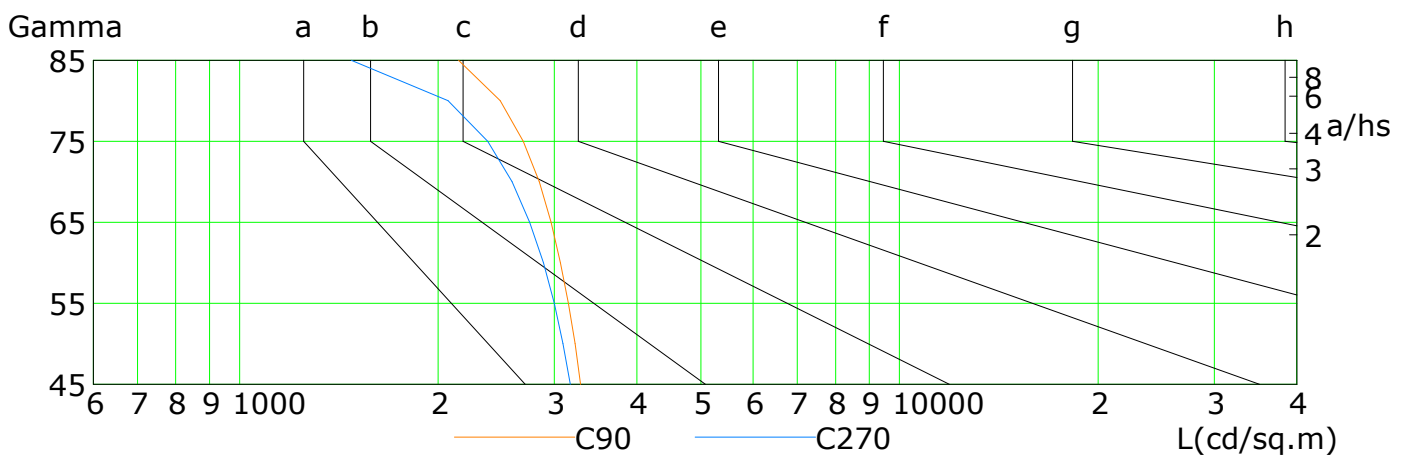
Humidity:

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	2983	2874	2756	2615	2446	2242	1987	1650	1139
C90	3287	3224	3151	3064	2965	2845	2690	2482	2146
C180	2914	2798	2666	2511	2326	2107	1828	1454	891
C270	3171	3090	2999	2888	2753	2587	2377	2071	1477

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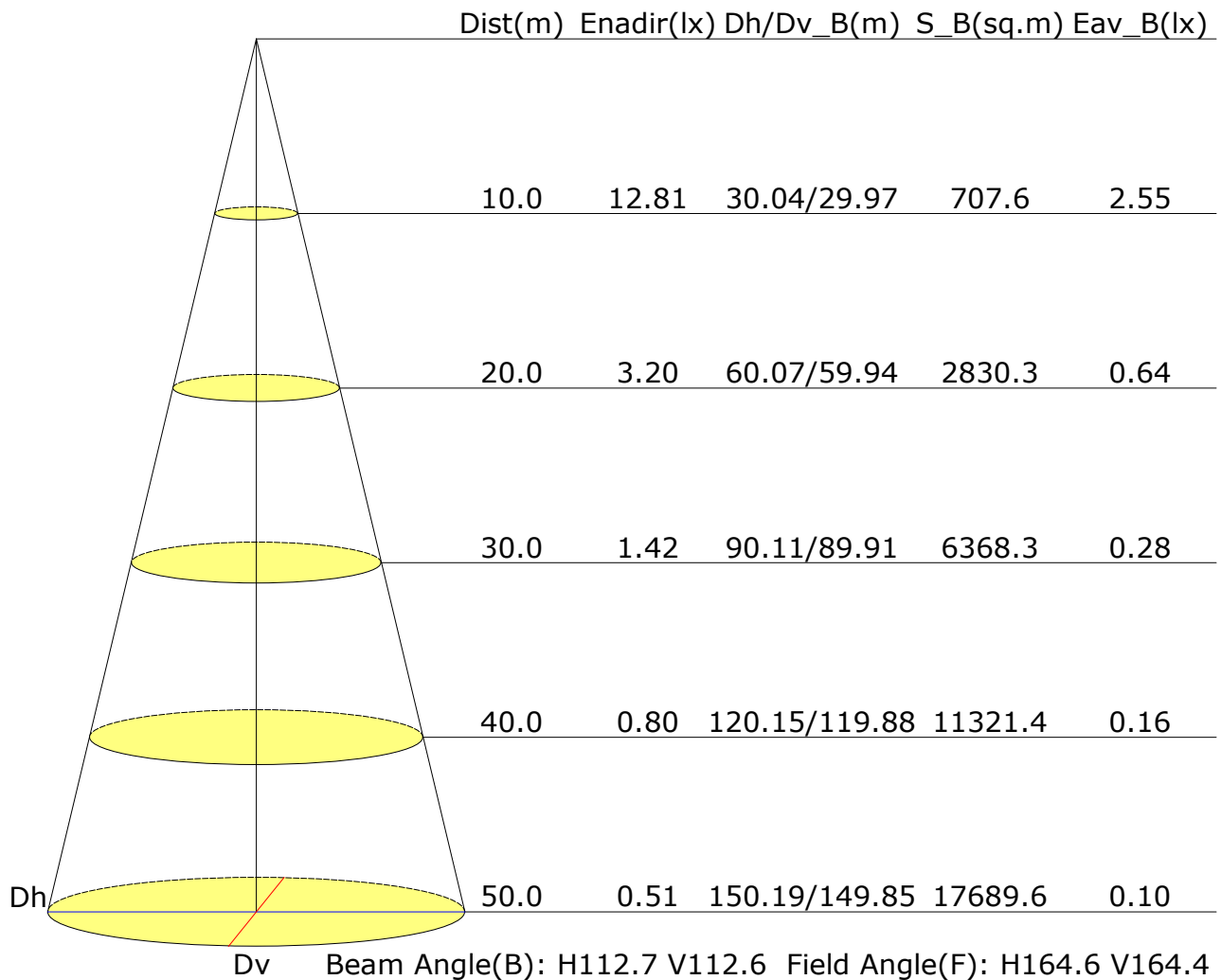
Test Device: LSG-1800B

Distance: 12.682 m

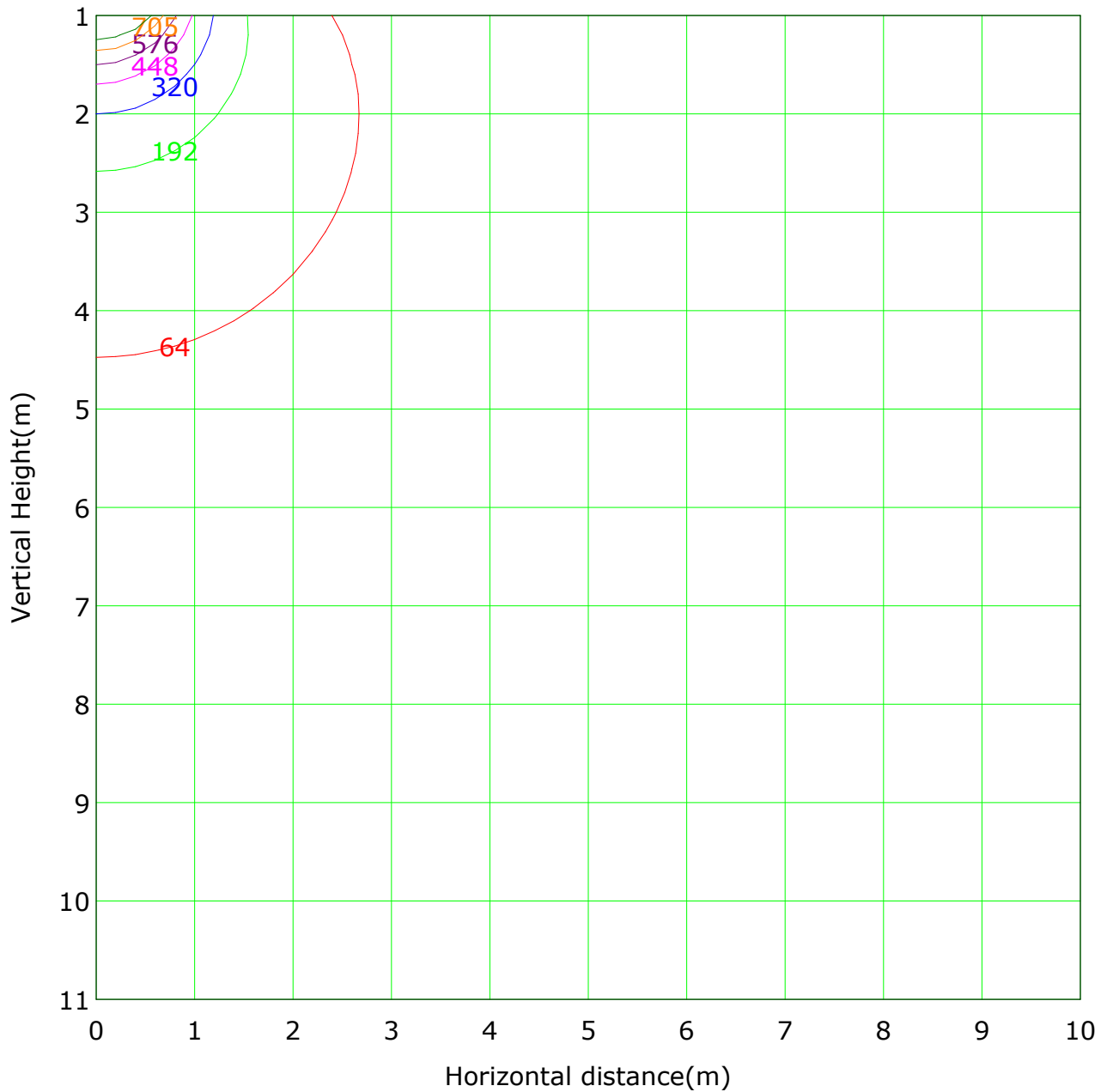
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1280.9 lx

(5%): 64.0 lx

(15%): 192.1 lx

(25%): 320.2 lx

(35%): 448.3 lx

(45%): 576.4 lx

(55%): 704.5 lx

(65%): 832.6 lx

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Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector: