

Report No.:

Test Time: 2016-04-09 17:14

Luminaire Property

Luminaire Manufacturer:

Voltage: 221.1V

Power: 44W

Current: 0.204A

Power Factor: 0.969

Photometric Results

CIE Class: Direct

Measurement Flux: 4214 lm

Downward Ratio: 100%

Field Angle: H128.8 V140.1

Luminaire Efficacy Rating (LER): 96

Max. Intensity: 2153.92 cd

Total Rated Lamp Lumens: 4214.0 lm

Efficiency: 100%

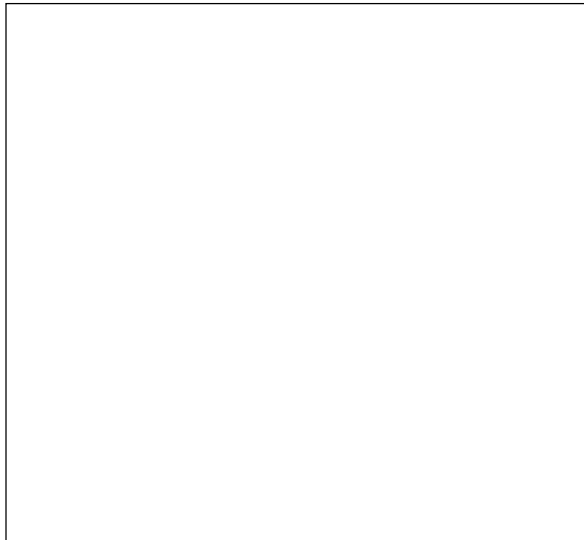
Upward Ratio: 0%

Beam Angle: H79.9 V97.8

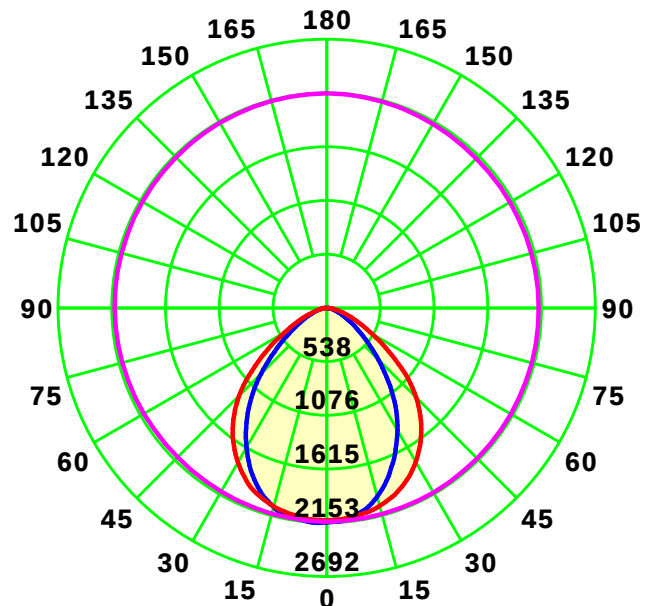
Central Intensity: 2148.16 cd

Pos of Max. Intensity: H180 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G3

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600

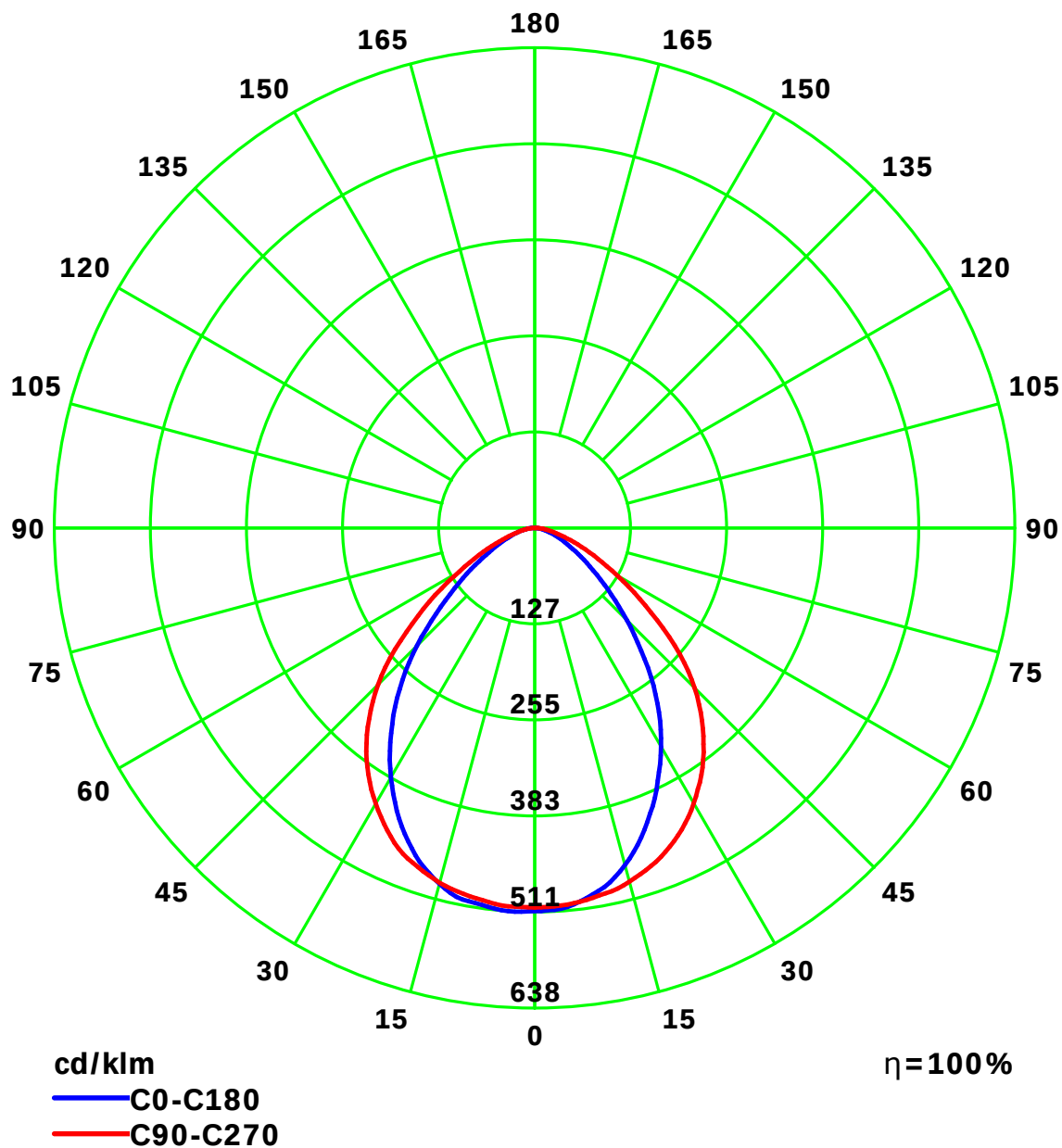
Distance: 7.517 m

Humidity:

Inspector:



Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600
Distance: 7.517 m
Humidity:
Inspector:



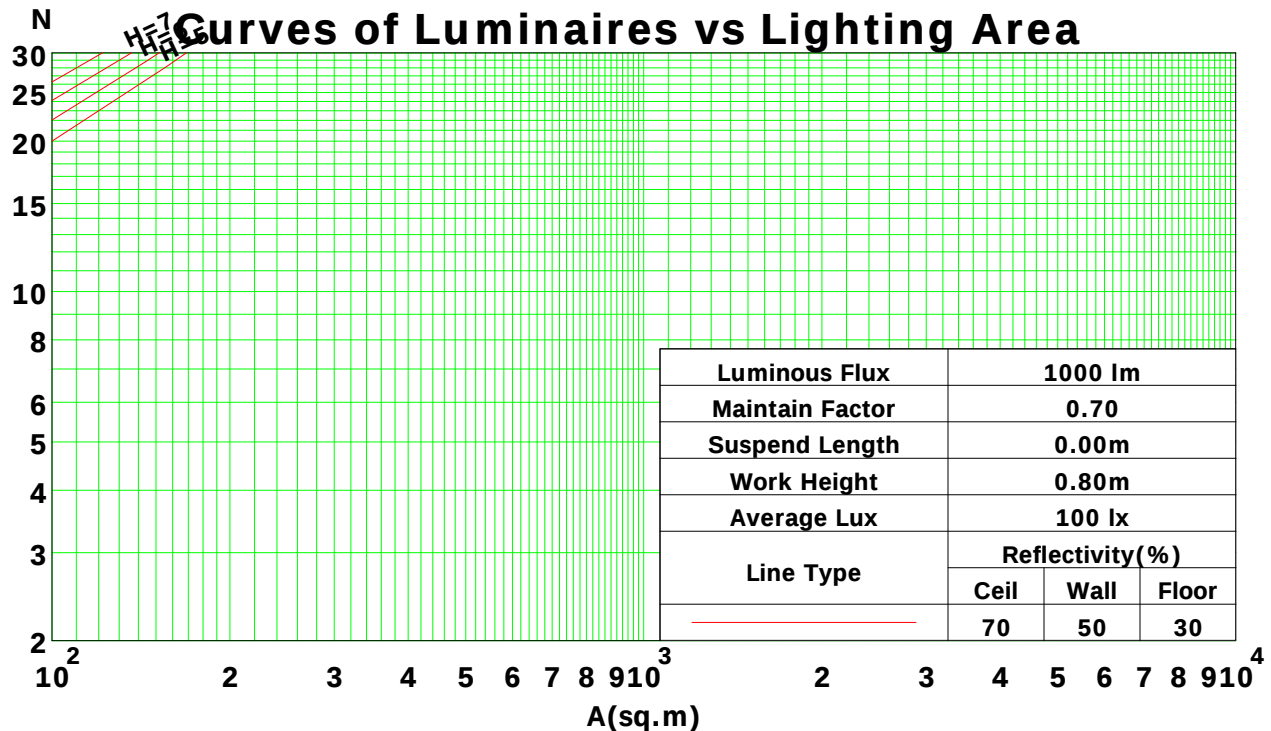
Coefficients Of Utilization - Zonal Cavity Method

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	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	68	63	71	66	62	69	65	61	59
5	81	70	62	56	80	69	62	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32

Spacing Criteria (0-180): 1.08

Spacing Criteria (90-270): 1.24

Spacing Criteria (Diagonal): 1.20



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

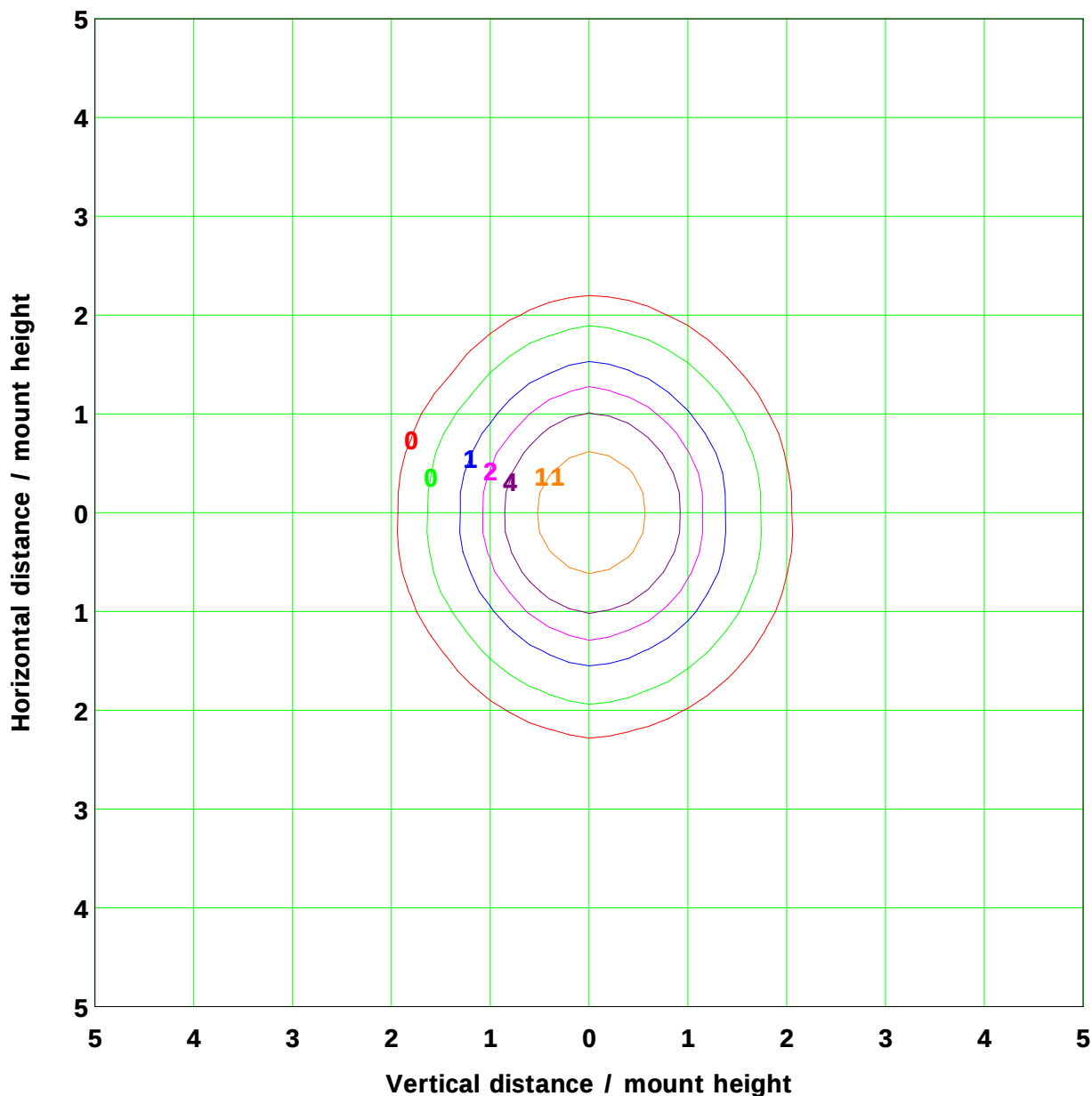
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 21.5 lx

(1%): 0.2 lx (2%): 0.4 lx
 (5%): 1.1 lx (10%): 2.1 lx

C Plane (°):0.0-360.0 (20%): 4.3 lx
 (45.0%): 10.7 lx
 (100%): 21.5 lx

Gamma Plane (°):0.0-90.0 (50%): 10.7 lx

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 7.517 m

Temperature:

Humidity:

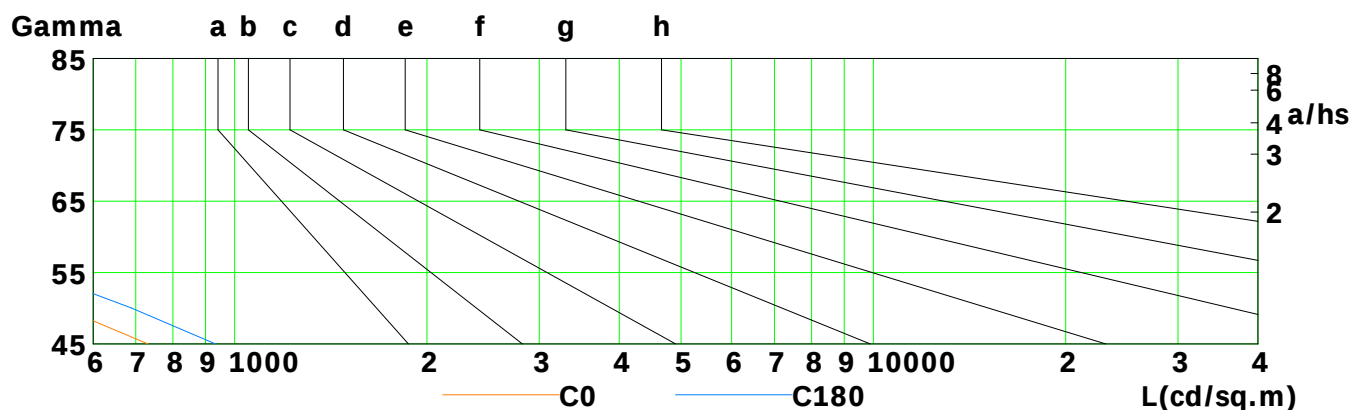
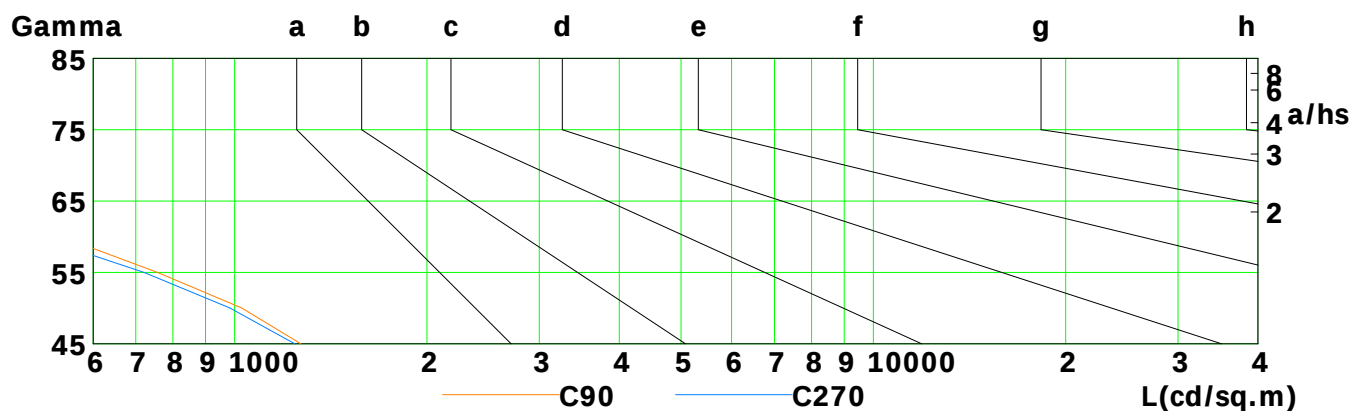
Operator:

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	732	538	378	266	180	122	77	44	13
C90	1269	1026	757	536	365	236	142	80	39
C180	933	689	492	338	235	157	105	63	34
C270	1242	983	721	489	317	192	111	63	24

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

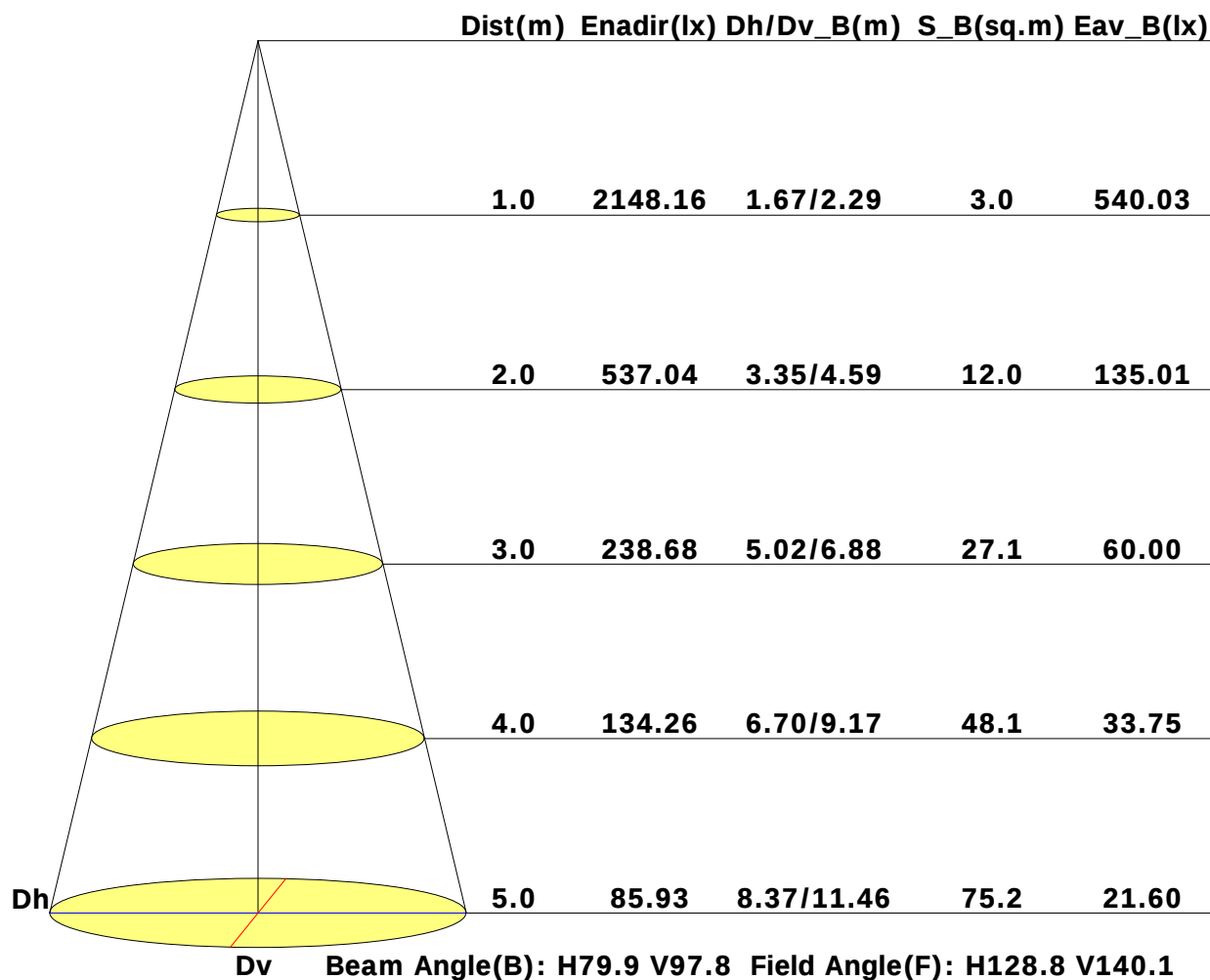
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

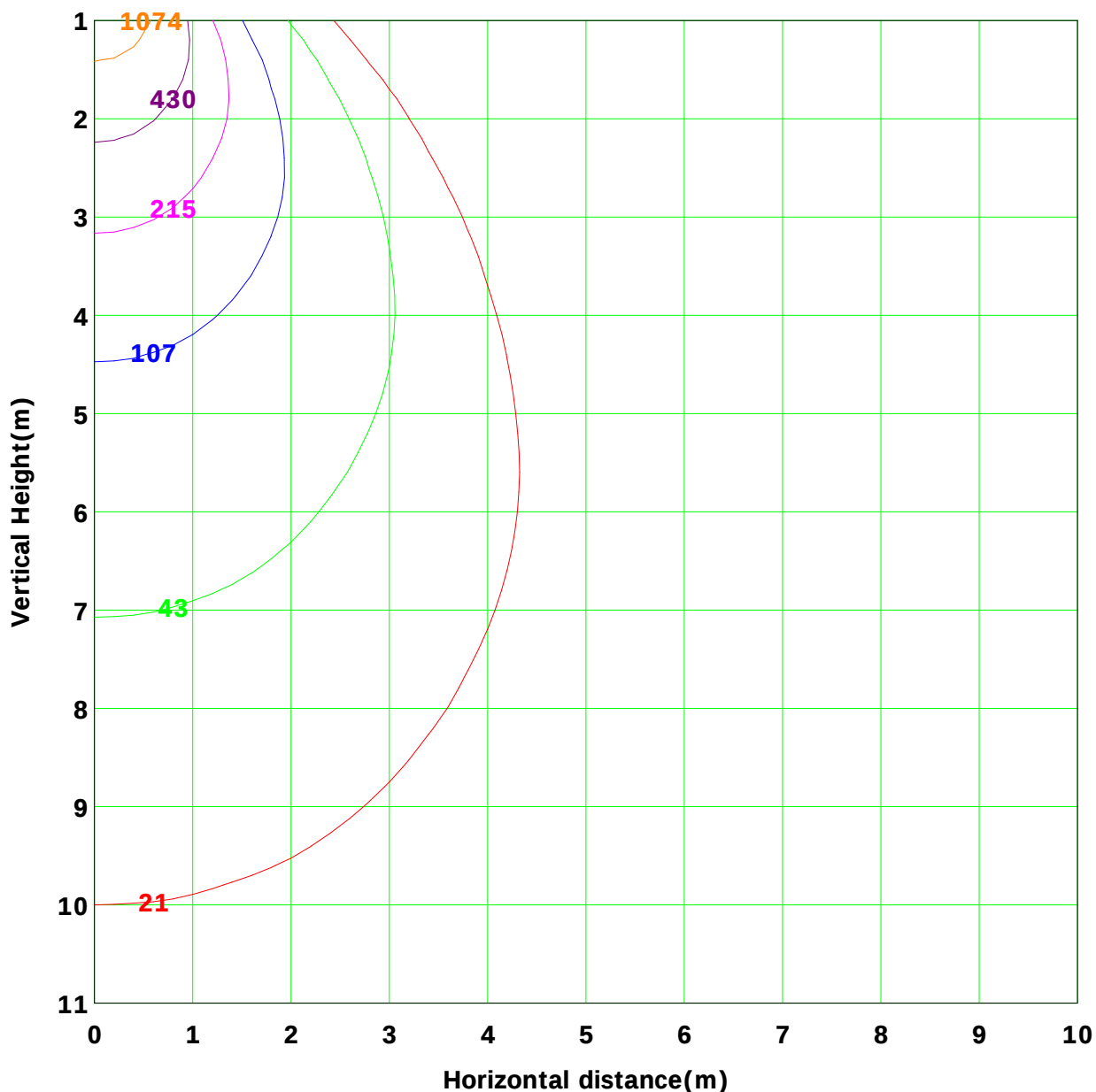
Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 7.517 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2148.2 lx

(1%): 21.5 lx

(2%): 43.0 lx

(5%): 107.4 lx

(10%): 214.8 lx

(20%): 429.6 lx

(50%): 1074.1 lx

C Plane (°): 0.0-360.0: 100%: 2148.2 lx

Gamma Plane (°): 0.0-90.0: 1.0

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 7.517 m

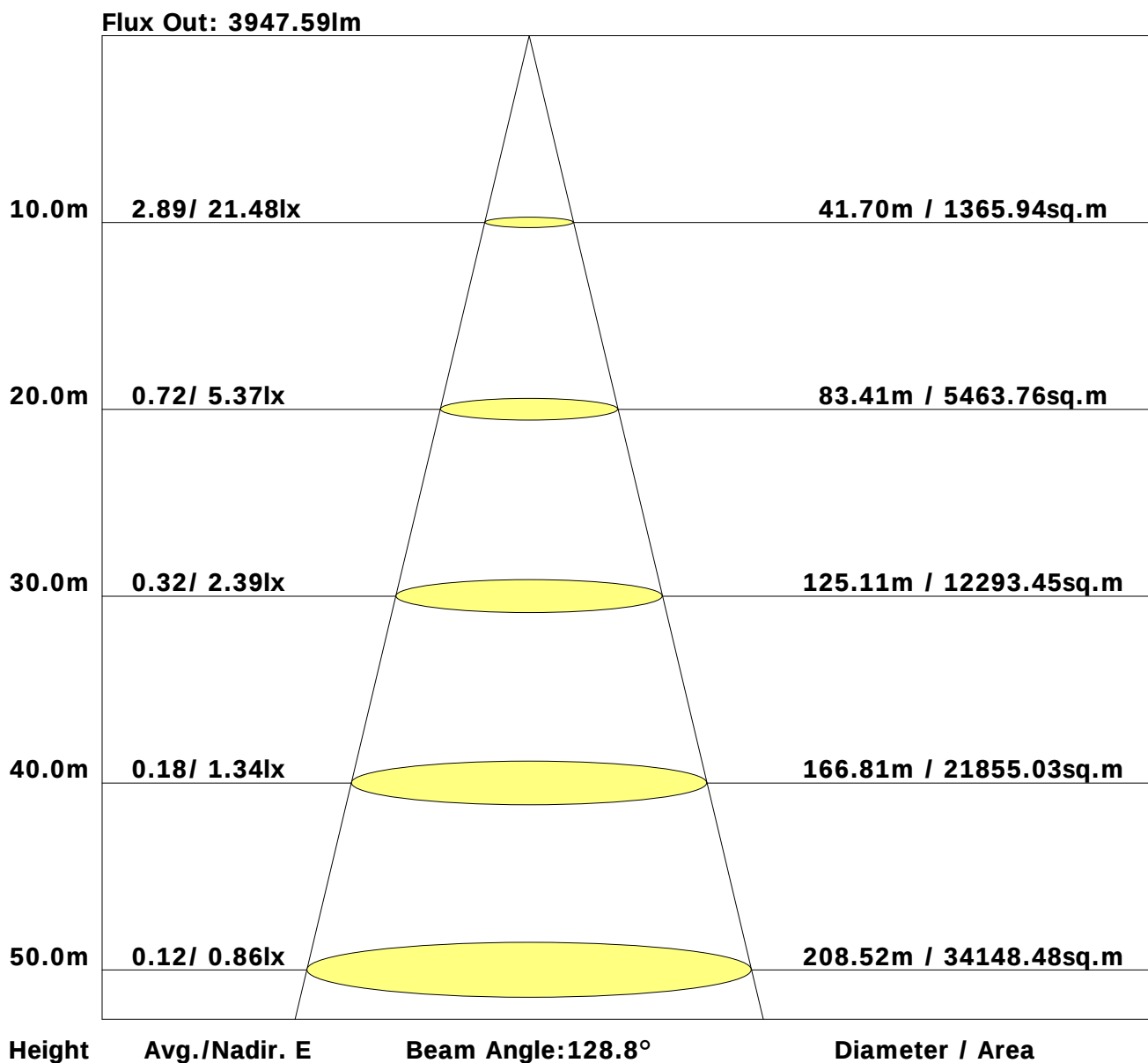
Temperature:

Humidity:

Operator:

Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 7.517 m
 Humidity:
 Inspector: