

Report No.:

Test Time: 2016-04-11 08:07

Luminaire Property

Luminaire Manufacturer:

Voltage: 220.8V

Power: 45.7W

Current: 0.348A

Power Factor: 0.579

Photometric Results

CIE Class: Direct

Measurement Flux: 4264.6 lm

Downward Ratio: 100%

Field Angle: H128.8 V140.2

Luminaire Efficacy Rating (LER): 93

Max. Intensity: 2178.27 cd

Total Rated Lamp Lumens: 4264.6 lm

Efficiency: 100%

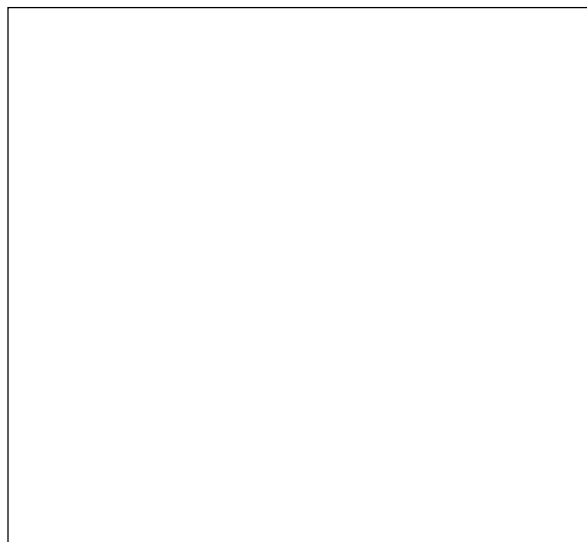
Upward Ratio: 0%

Beam Angle: H79.8 V97.8

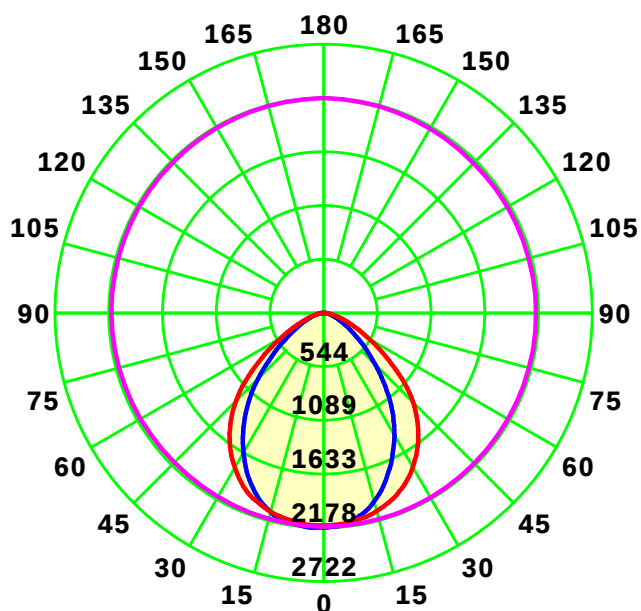
Central Intensity: 2172.2 cd

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

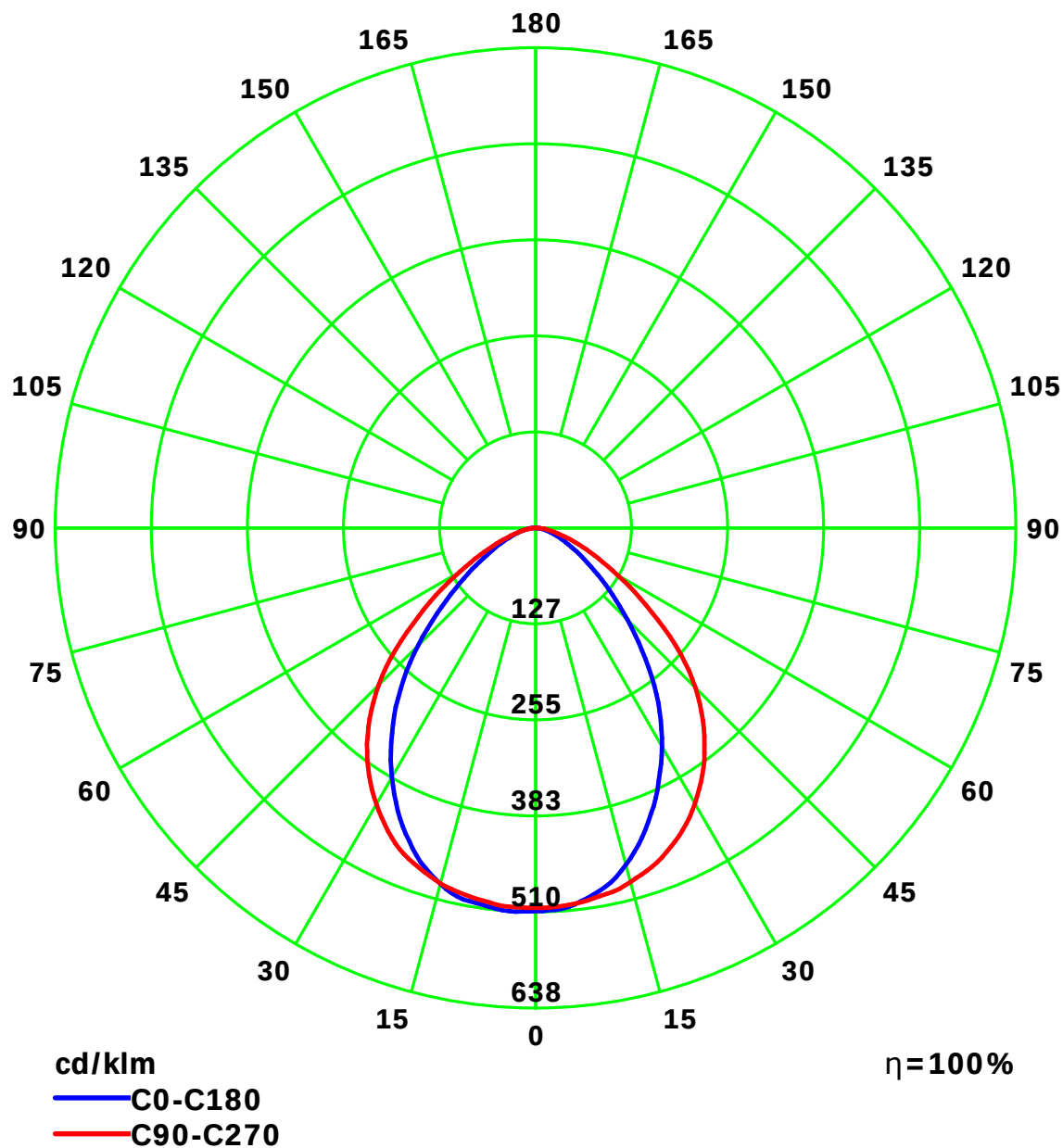
Distance: 7.517 m

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:



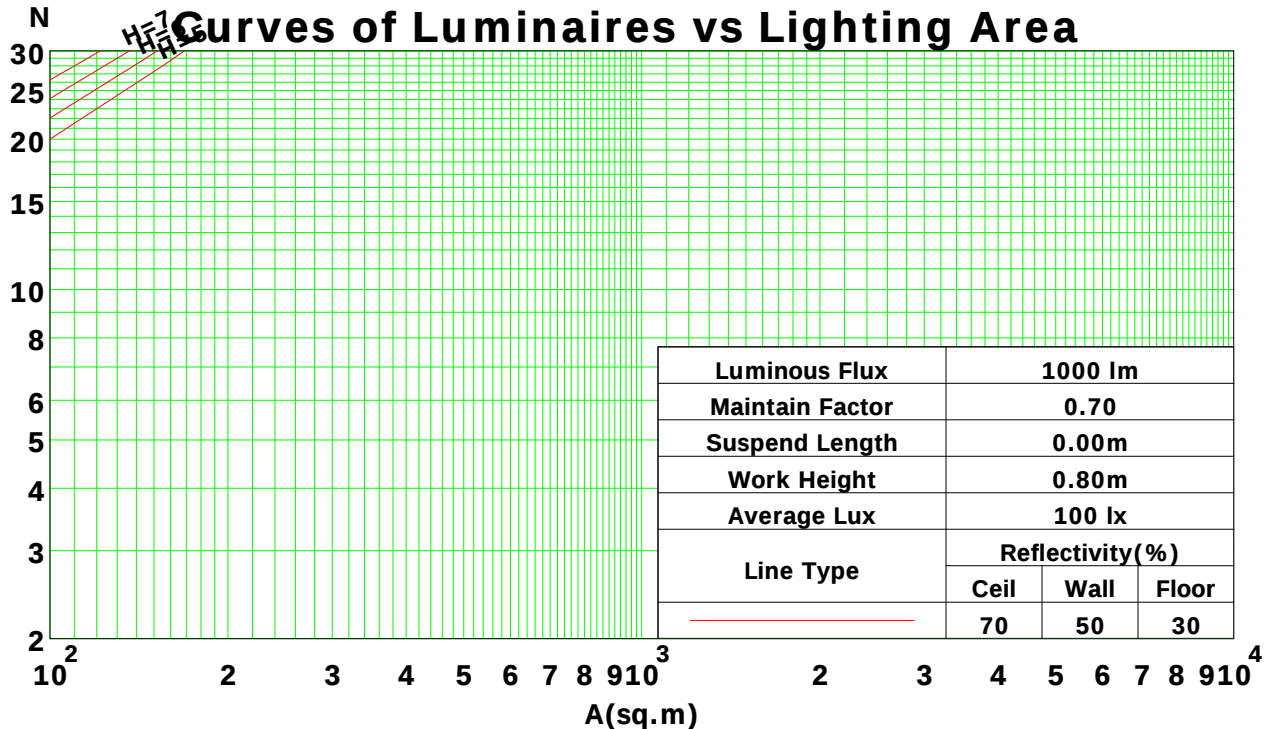
Coefficients Of Utilization - Zonal Cavity Method

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

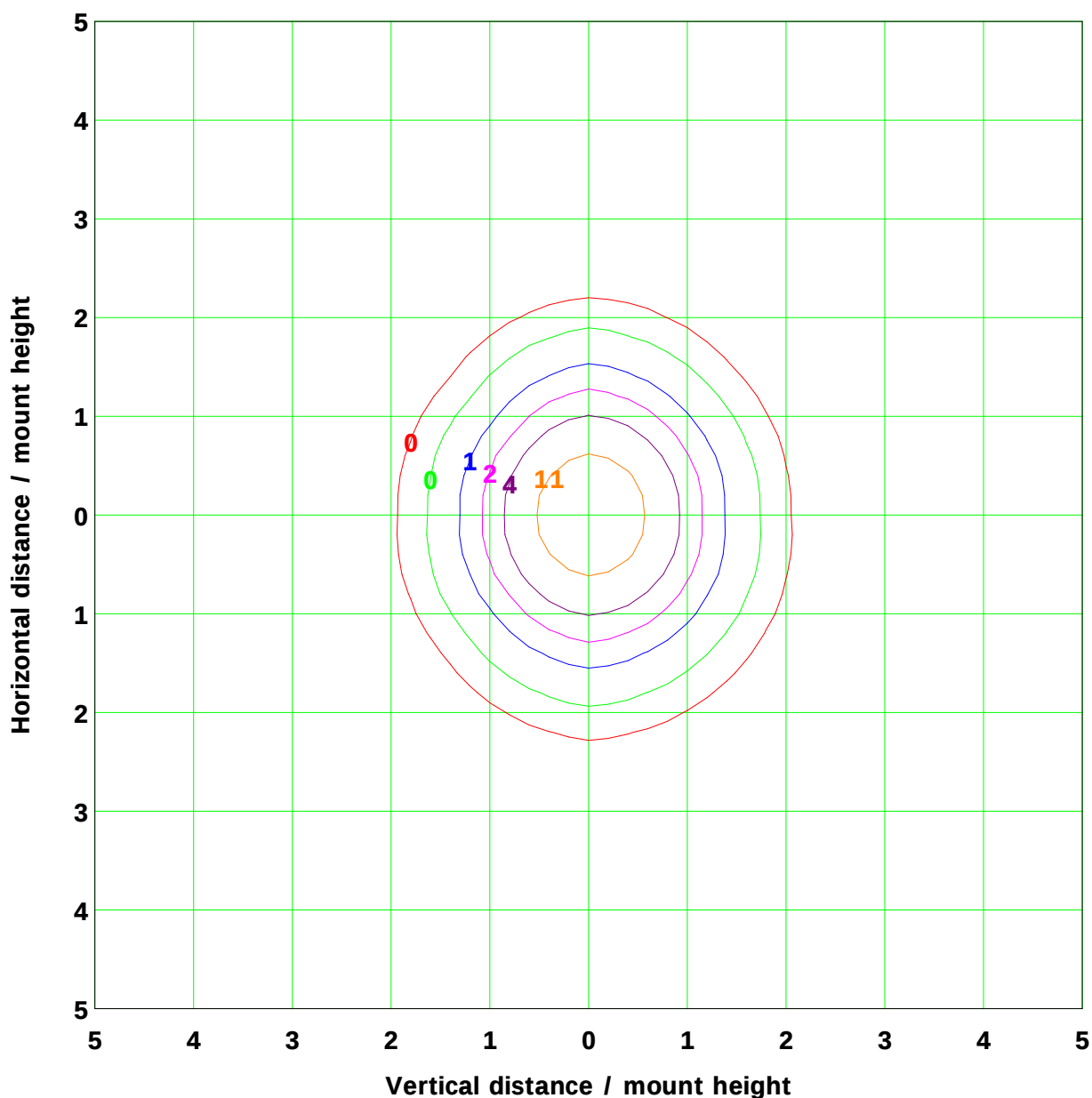
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 21.7 lx

(1%): 0.2 lx (2%): 0.4 lx
 (5%): 1.1 lx (10%): 2.2 lx

C Plane (°): 0.0-360.0 (20%): 4.3 lx
 (45.0%): 10.9 lx
 (100%): 21.7 lx

Gamma Plane (°): 0.0-90.0
 (50%): 10.9 lx
 (100%): 21.7 lx

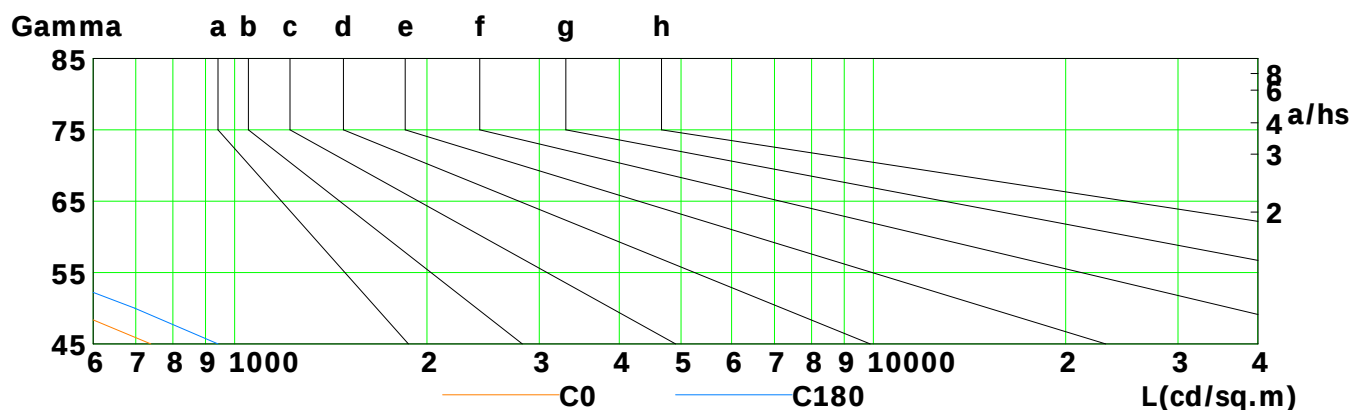
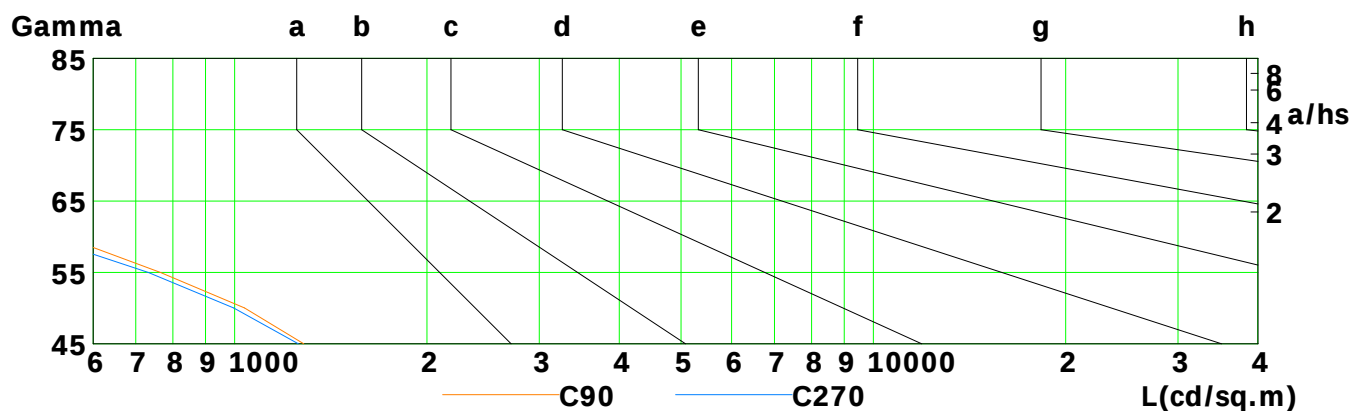
Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Test Device: GPM-1600
 Distance: 7.517 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	739	543	382	268	182	123	77	44	14
C90	1282	1036	765	541	369	239	143	81	39
C180	942	697	499	342	238	158	106	64	34
C270	1258	997	732	496	323	195	113	64	25

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

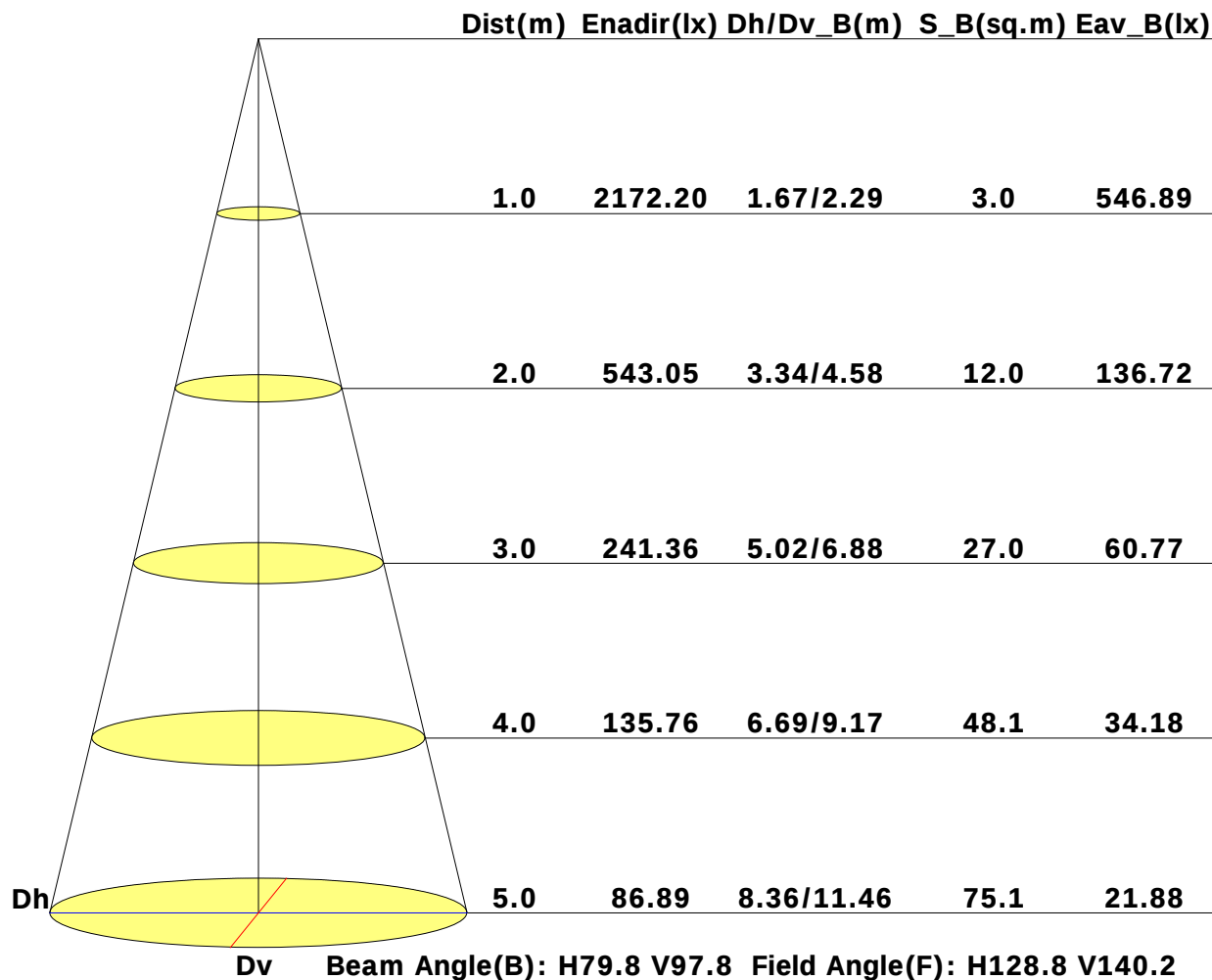
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

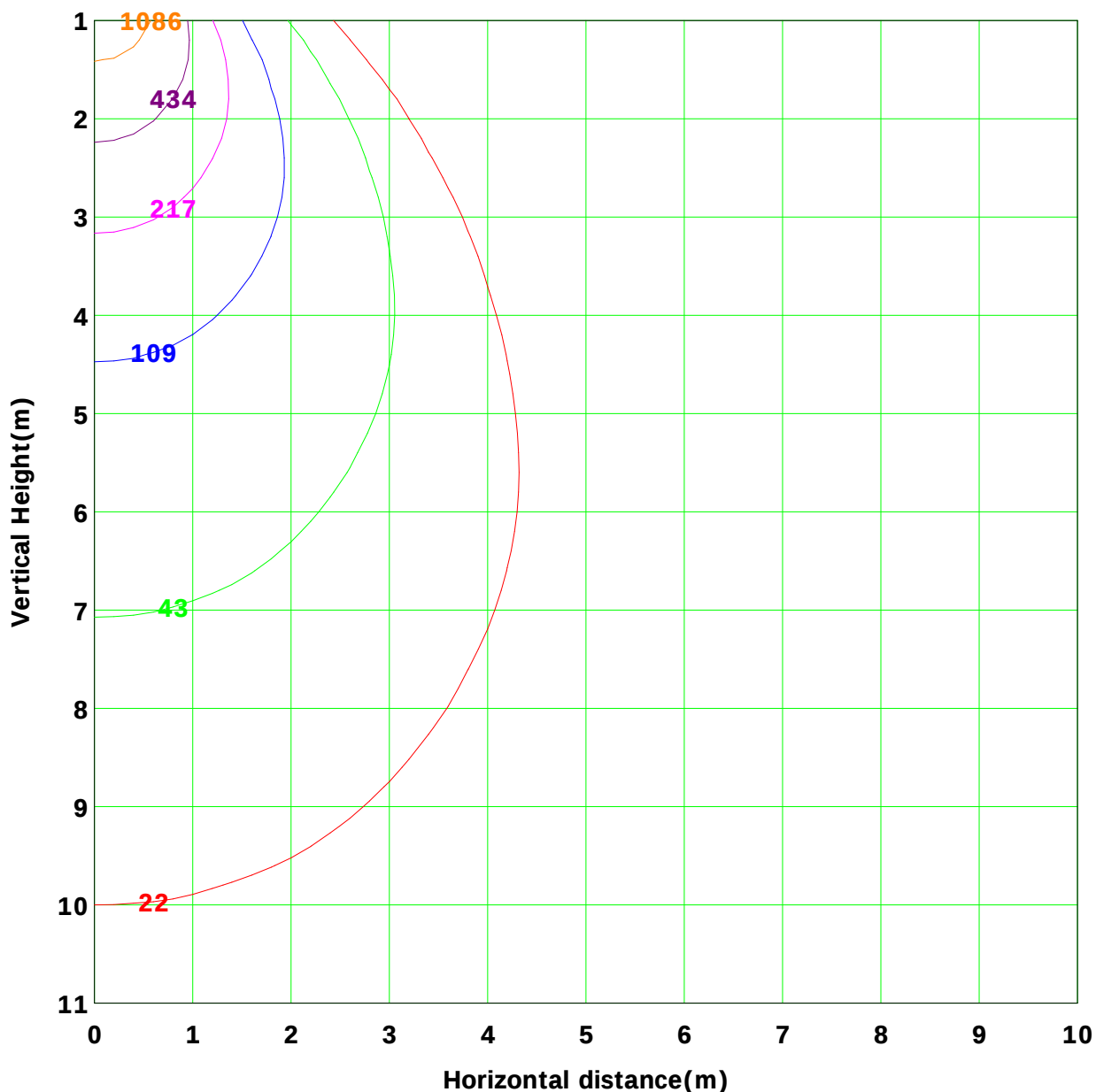
Illuminance at a Distance



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: 2172.2 lx

(1%): 21.7 lx

(2%): 43.4 lx

(5%): 108.6 lx

(10%): 217.2 lx

(20%): 434.4 lx

(50%): 1086.1 lx

C Plane (°): 0.0-360.0: 2172.2 lx

Gamma Plane (°): 0.0-90.0: 1.0

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 7.517 m

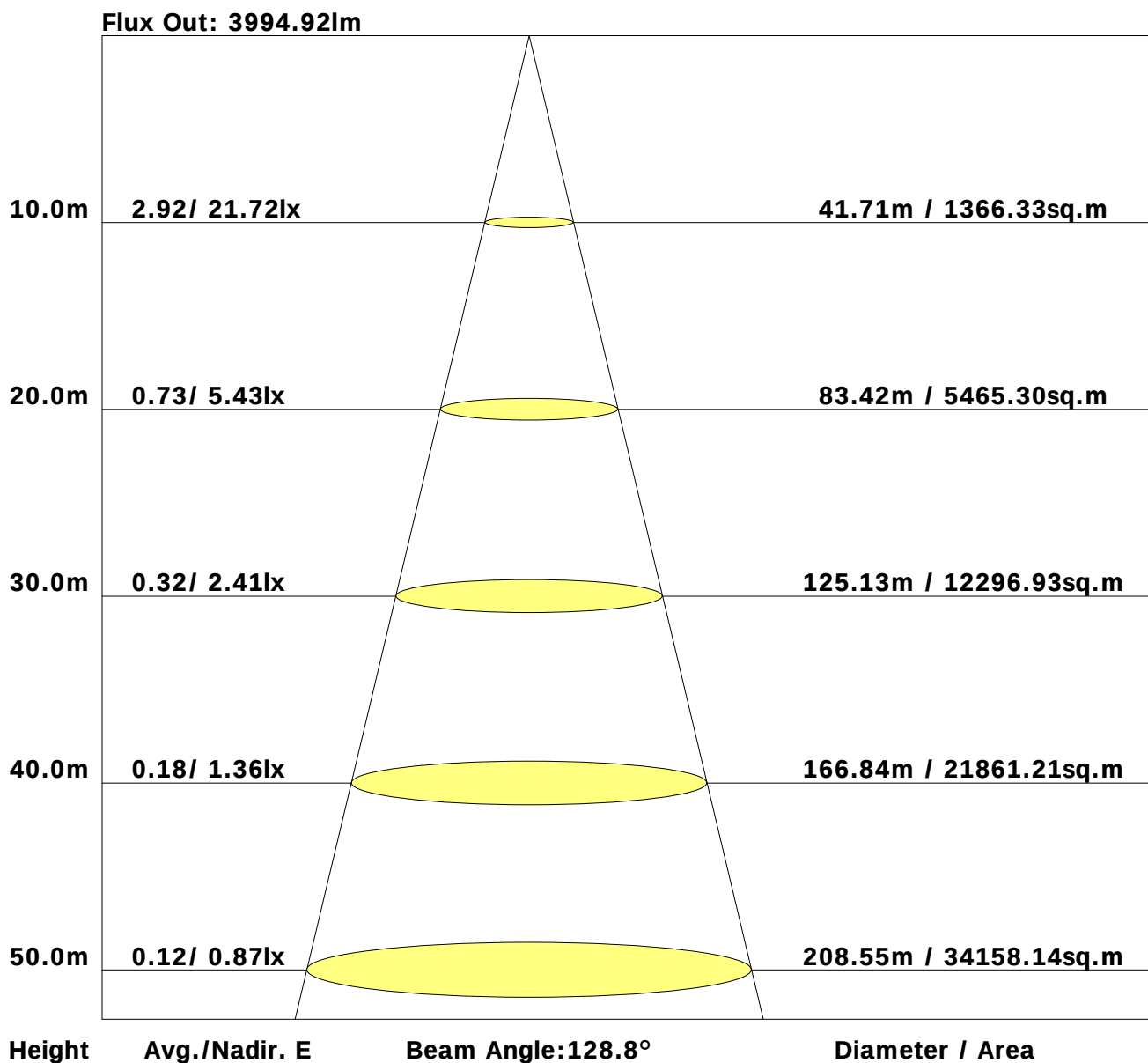
Temperature:

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: