

Report No.:

Test Time: 2016-07-29 10:39

Luminaire Property

Luminaire Manufacturer:

Voltage: 221.7V

Power: 37.5W

Current: 0.171A

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Measurement Flux: 3990.4 lm

Downward Ratio: 100%

Field Angle: H125.5 V137.6

Luminaire Efficacy Rating (LER): 106

Max. Intensity: 2176.52 cd

Total Rated Lamp Lumens: 3990.4 lm

Efficiency: 100%

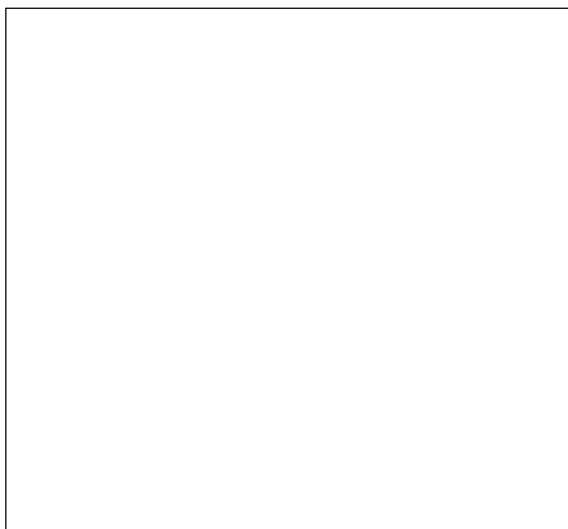
Upward Ratio: 0%

Beam Angle: H74.8 V94.6

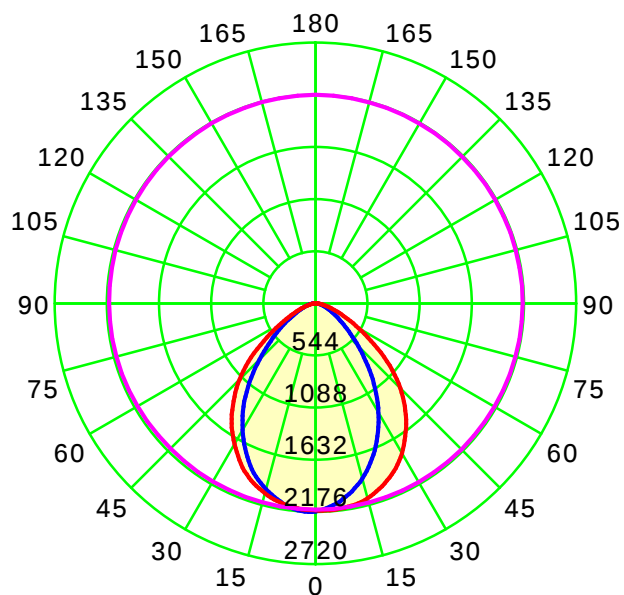
Central Intensity: 2169.94 cd

Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

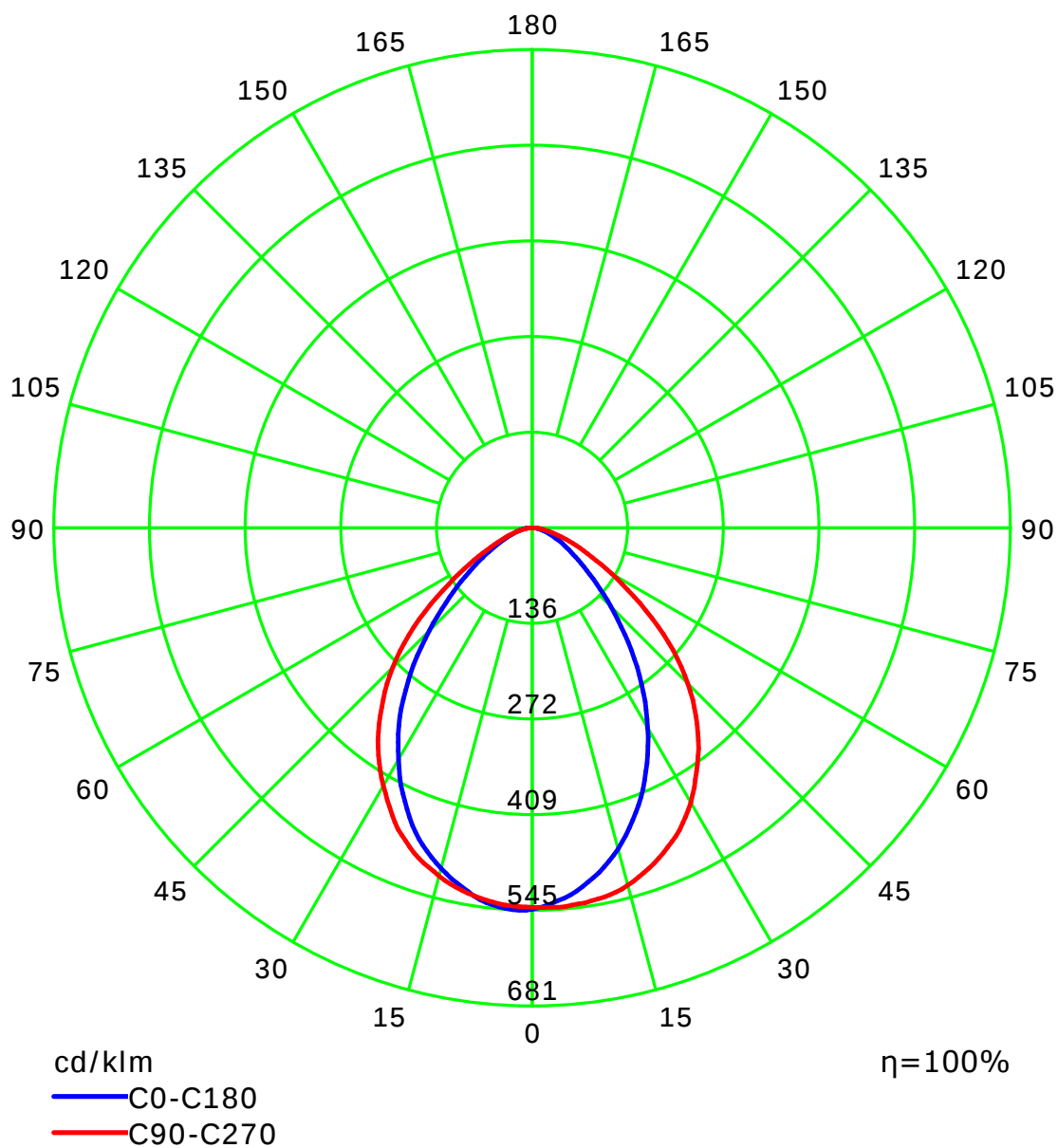
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 45.0
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Test Device: GPM-1600
Distance: 7.517 m
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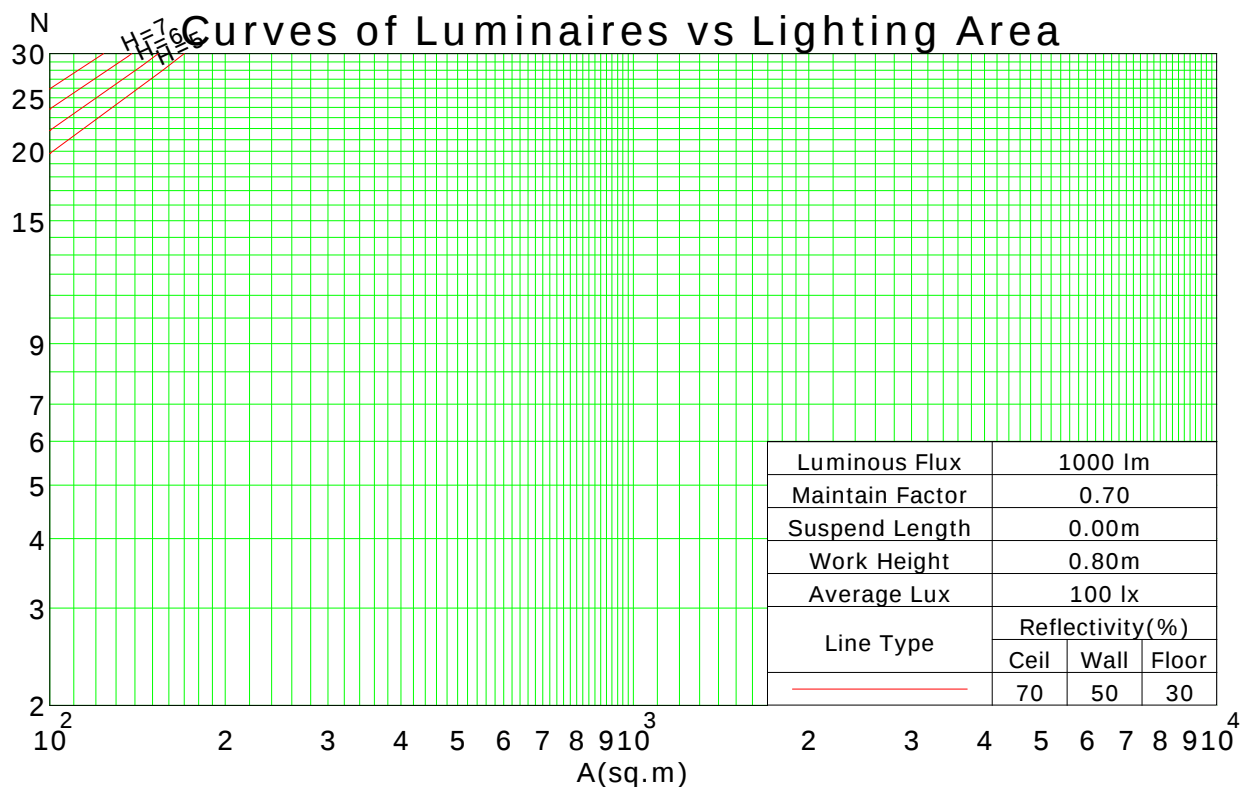
Coefficients Of Utilization - Zonal Cavity Method

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	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	62	70	65	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	41	65	54	46	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36
10	59	47	39	35	58	46	39	35	45	39	34	44	39	34	44	38	34	33

Spacing Criteria (0-180): 1.03

Spacing Criteria (90-270): 1.20

Spacing Criteria (Diagonal): 1.16



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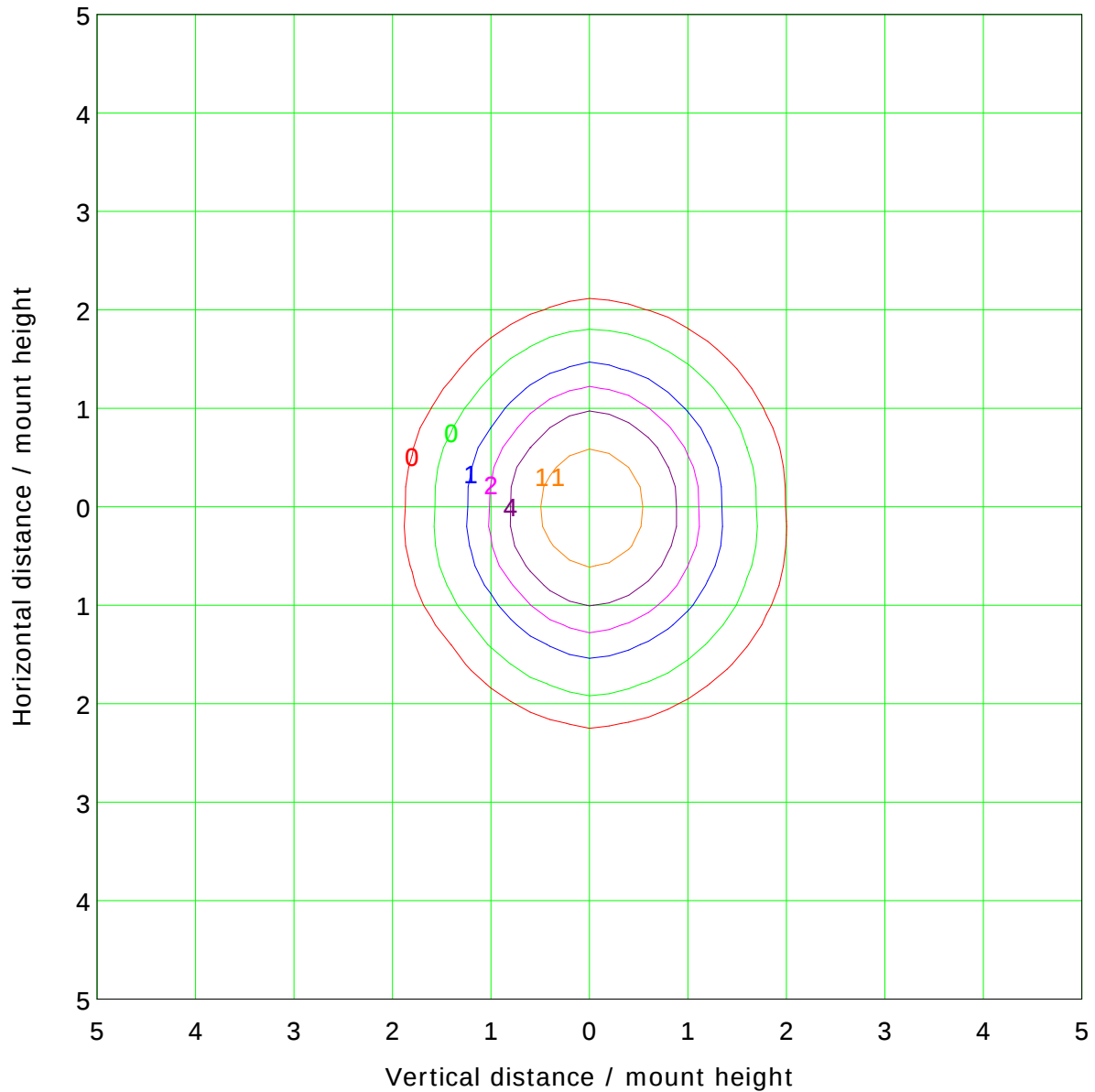
Test Device: GPM-1600

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
 (20%): 4.3 lx (50%): 10.9 lx
 (100%): 21.7 lx

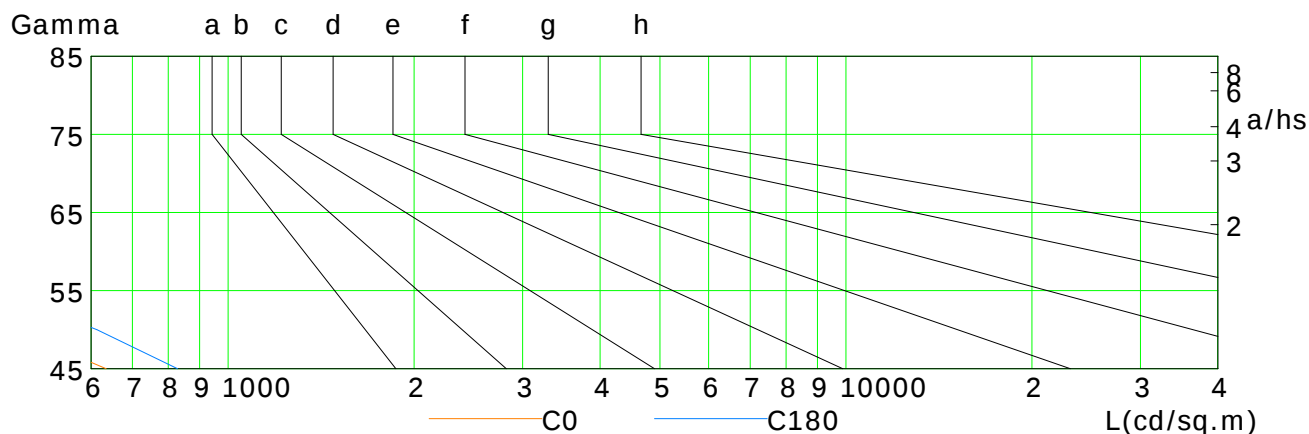
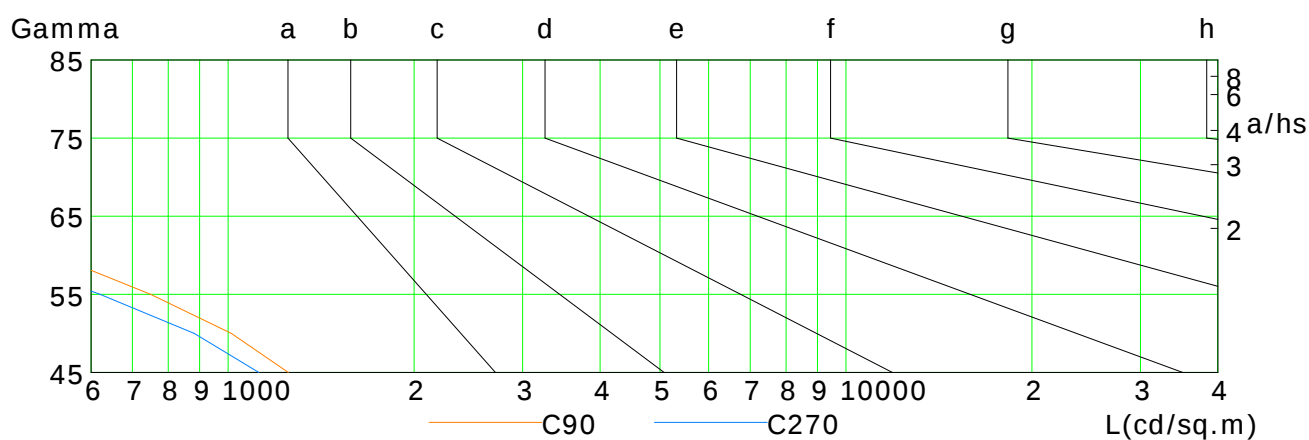
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 Temperature:
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Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 7.517 m
 Humidity:
 Inspector:

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

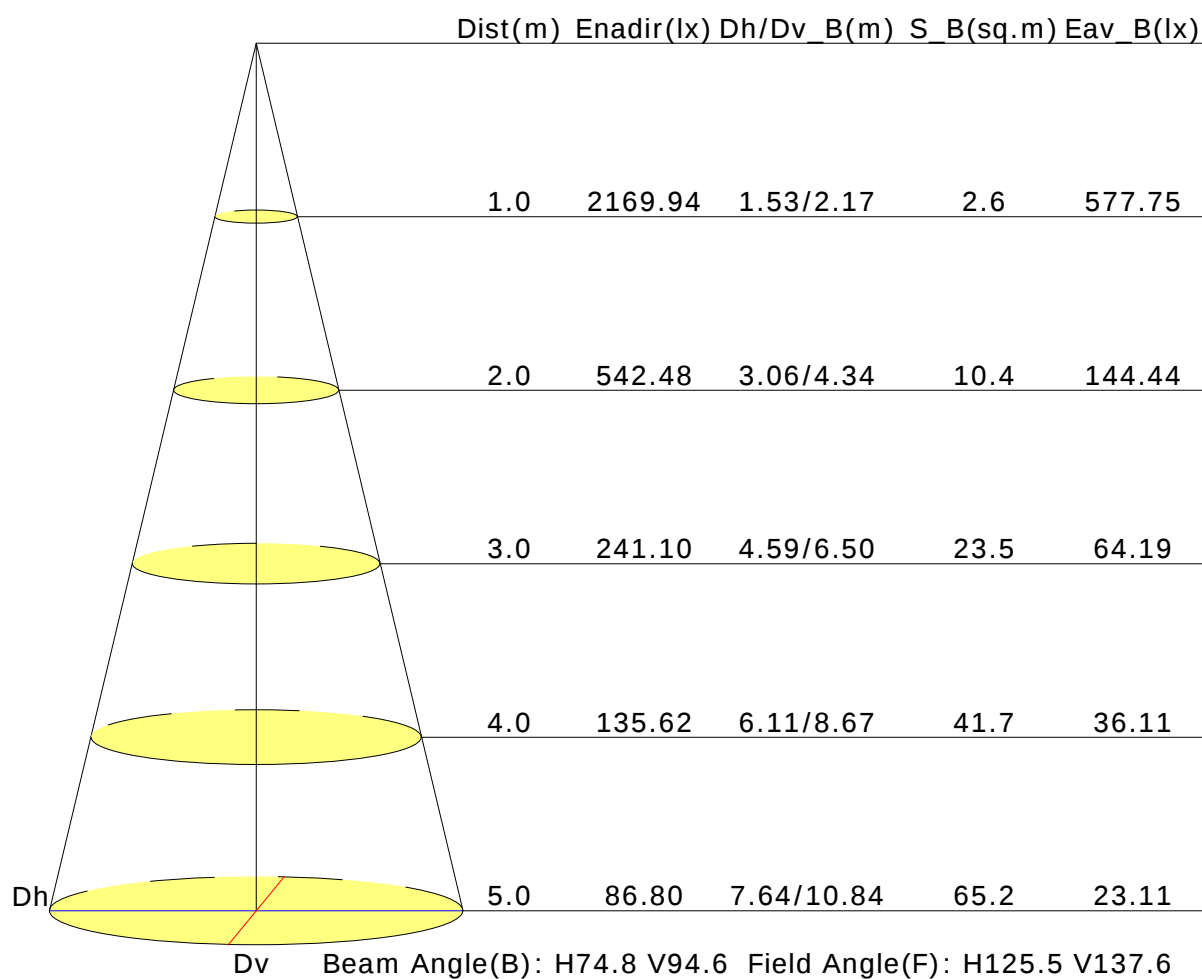


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	635	453	321	229	161	109	71	42	13
C90	1252	1012	749	523	348	226	135	73	34
C180	828	614	440	307	213	146	100	64	35
C270	1122	881	621	415	262	164	95	53	21

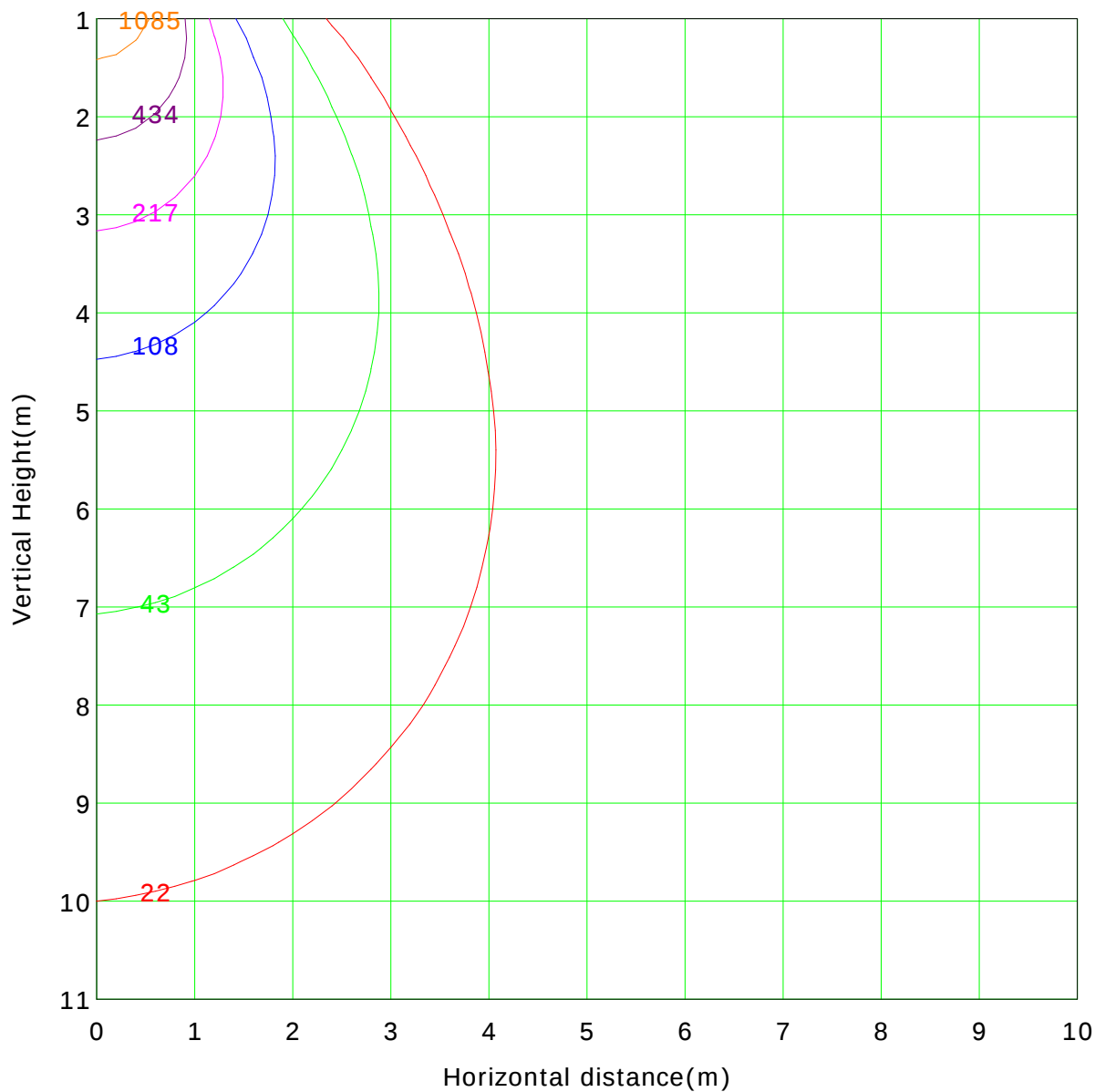
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 Test Type: TYPE C
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Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 7.517 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



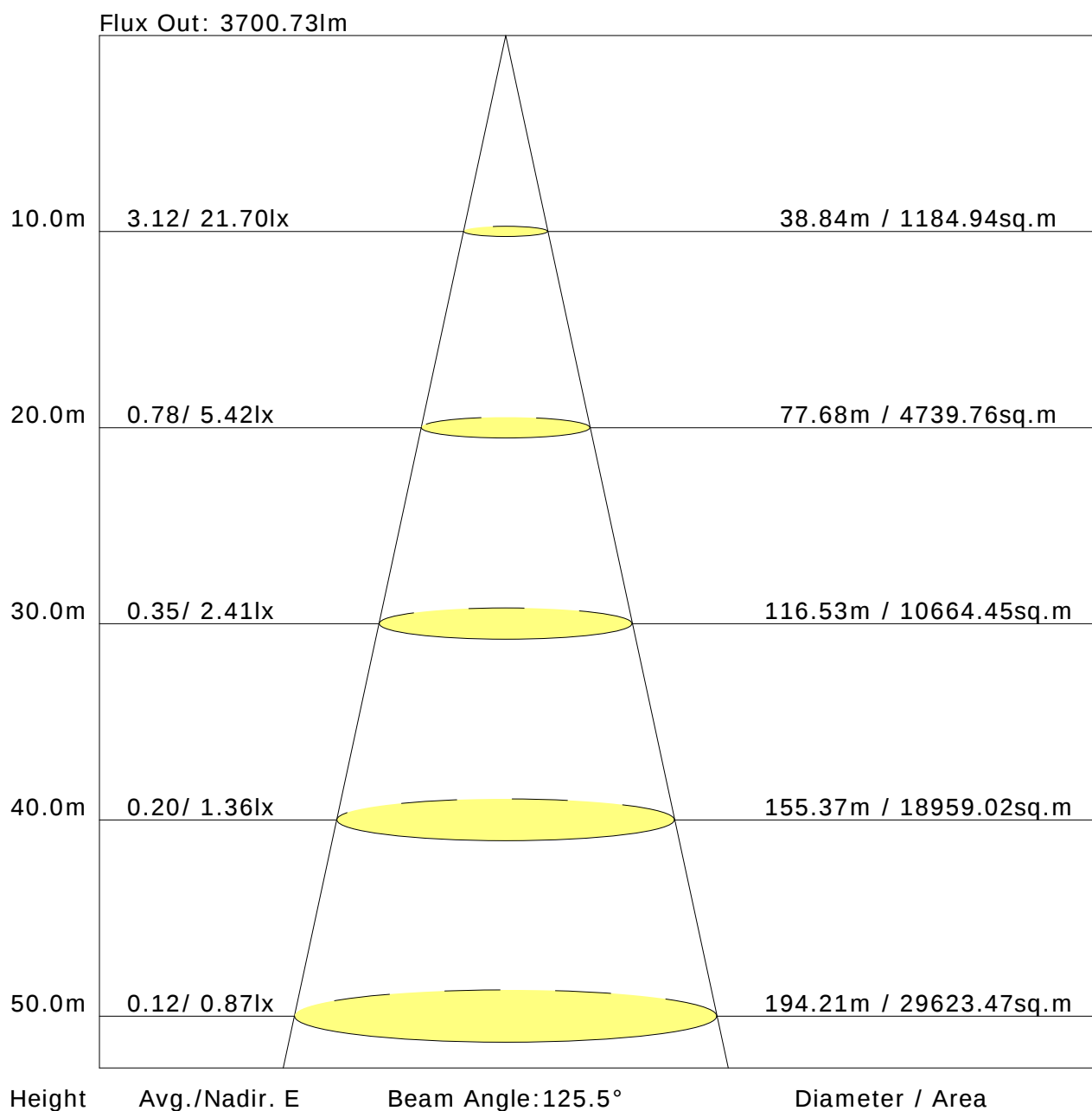
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2169.9 lx

(1%): 21.7 lx	(2%): 43.4 lx
(5%): 108.5 lx	(10%): 217.0 lx
(20%): 434.0 lx	(50%): 1085.0 lx
(100%): 2169.9 lx	

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 Test Device: GPM-1600
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The Average Illuminance Effective Figure



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