

Report No.:

Test Time: 2016-07-19 20:42

Luminaire Property

Luminaire Manufacturer:

Voltage: 220.4V

Power: 28W

Current: 0.130A

Power Factor: 0.961

Photometric Results

CIE Class: Direct

Measurement Flux: 3004.6 lm

Downward Ratio: 100%

Field Angle: H101.4 V101.3

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 3956.24 cd

Total Rated Lamp Lumens: 3004.6 lm

Efficiency: 100%

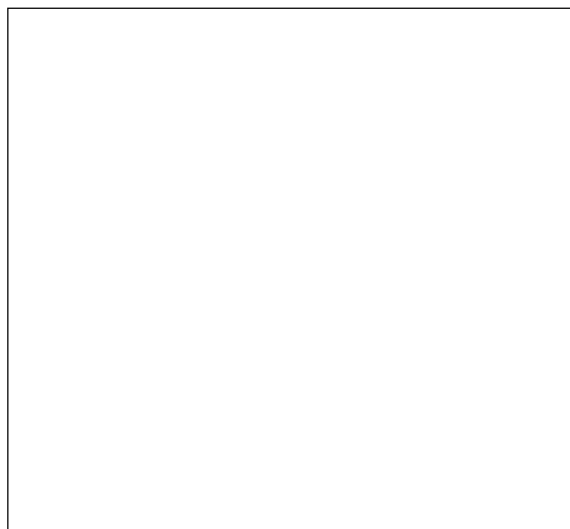
Upward Ratio: 0%

Beam Angle: H42.1 V41.5

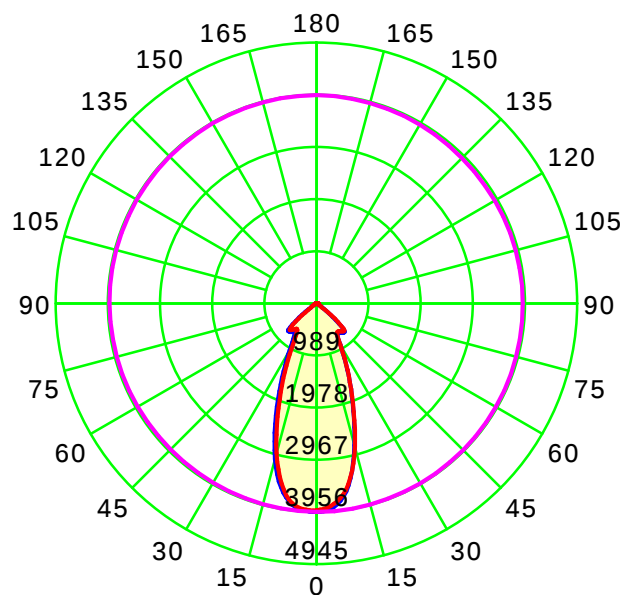
Central Intensity: 3953.77 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

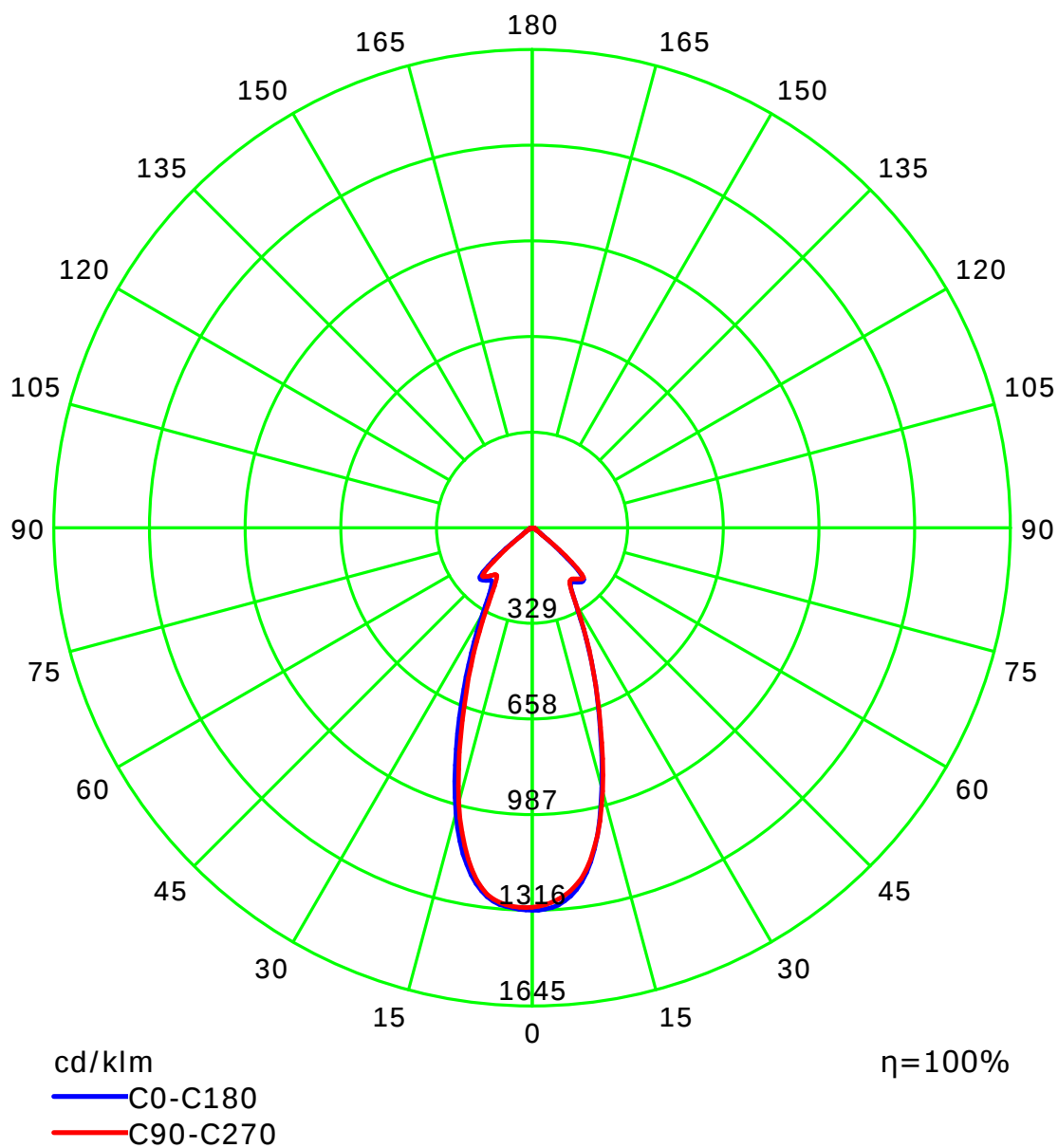
Test Device: GPM-1600

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
 Humidity:
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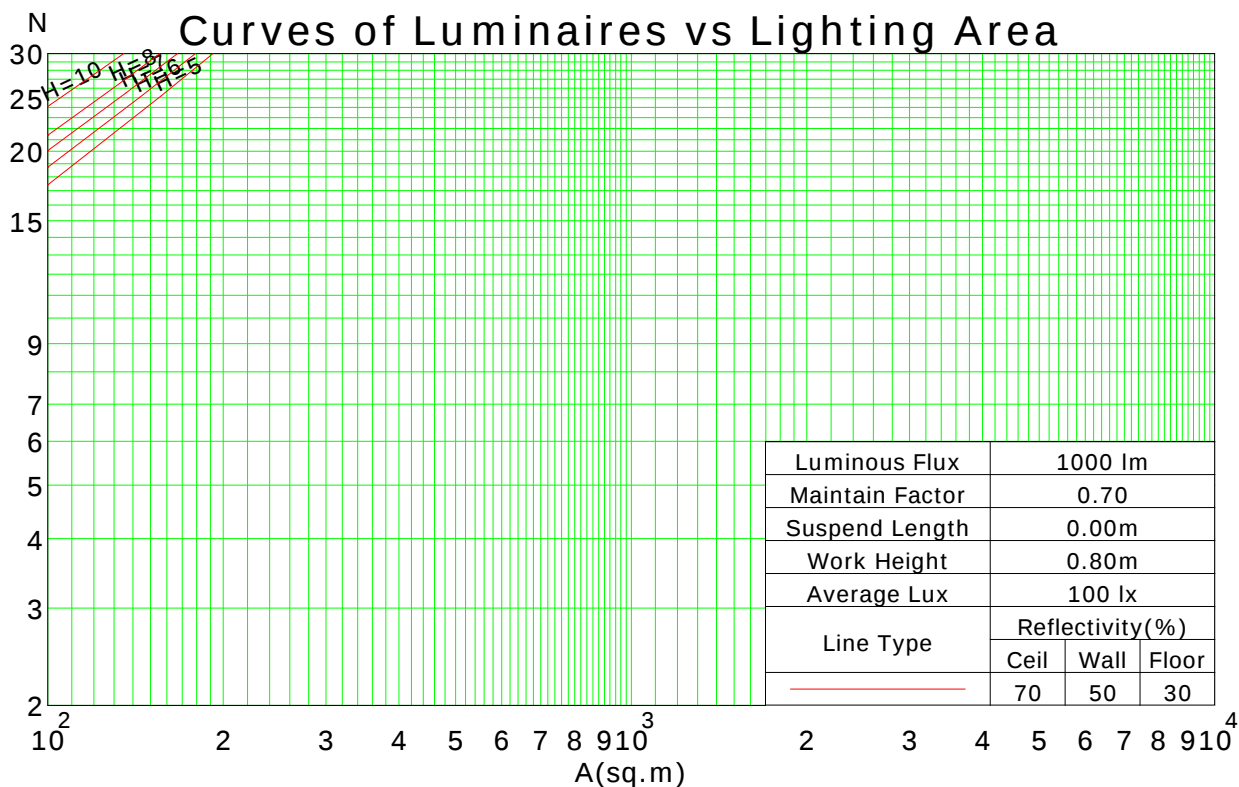
Coefficients Of Utilization - Zonal Cavity Method

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	75	73	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65
6	85	75	68	64	83	74	68	63	73	67	63	71	66	63	70	65	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	59	55	63	58	54	62	57	54	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

Spacing Criteria (0-180): 0.68

Spacing Criteria (90-270): 0.67

Spacing Criteria (Diagonal): 0.68



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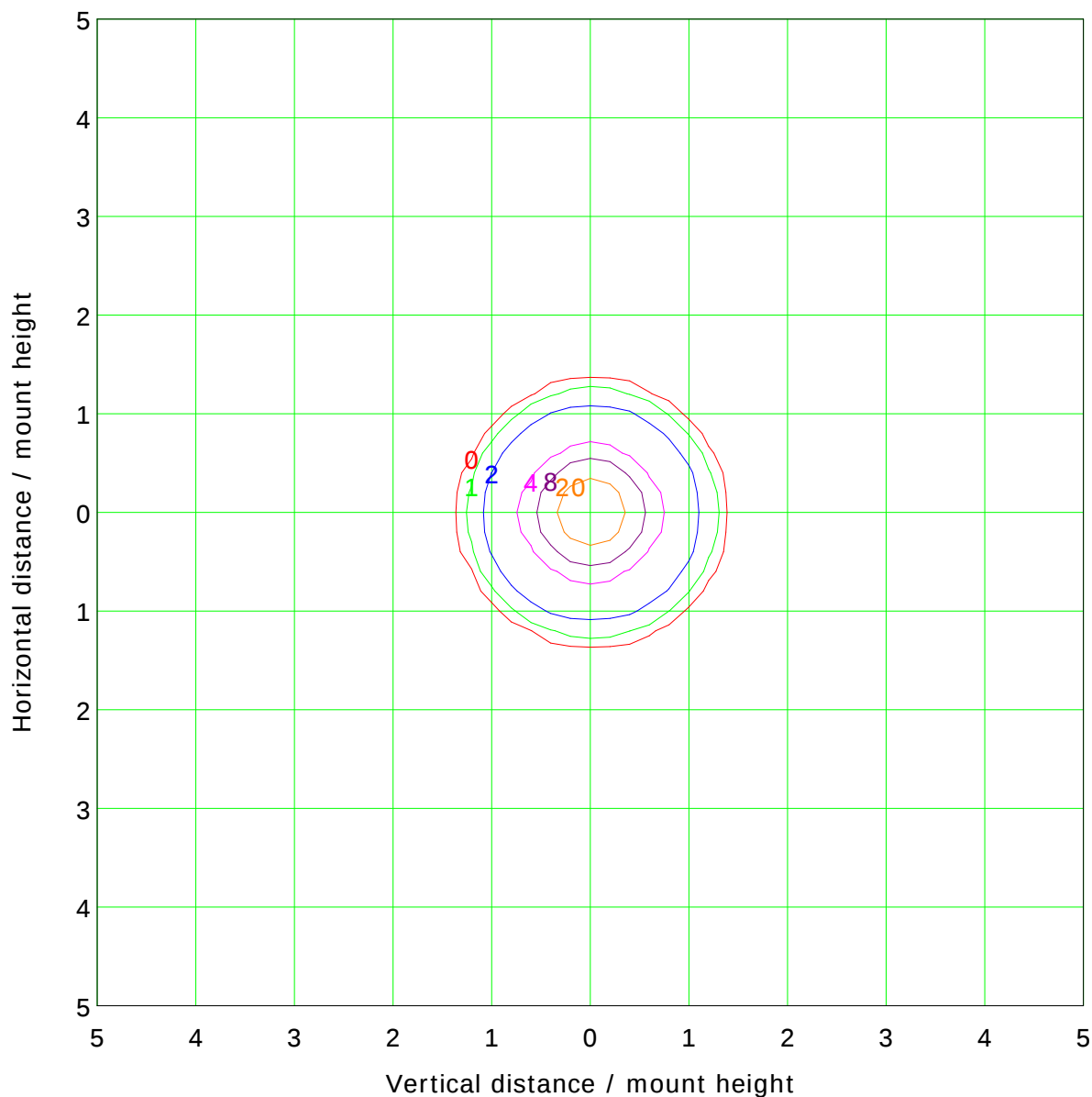
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 39.5 lx
 (1%): 0.4 lx (2%): 0.8 lx
 (5%): 2.0 lx (10%): 4.0 lx
 (20%): 7.9 lx (50%): 19.8 lx
 (100%): 39.5 lx

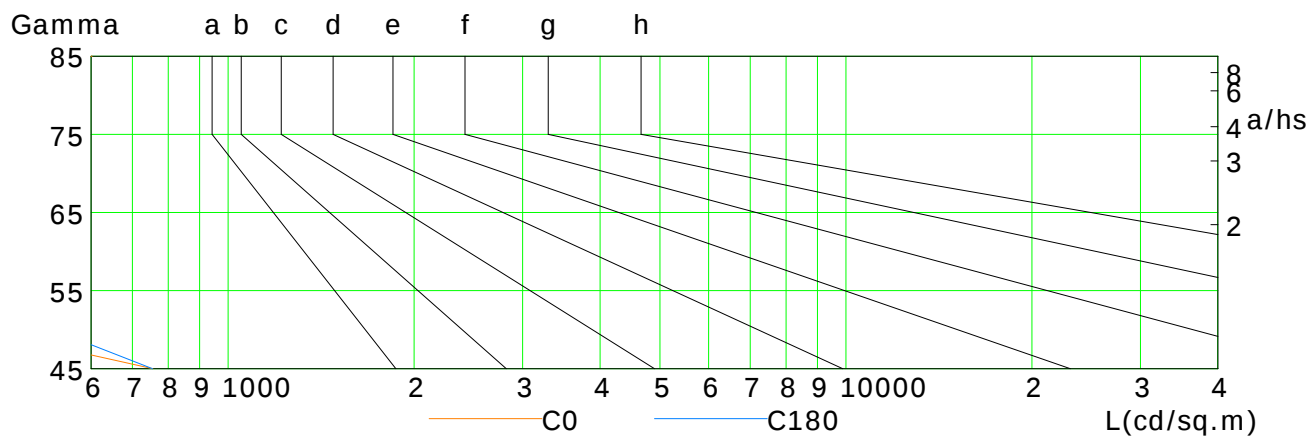
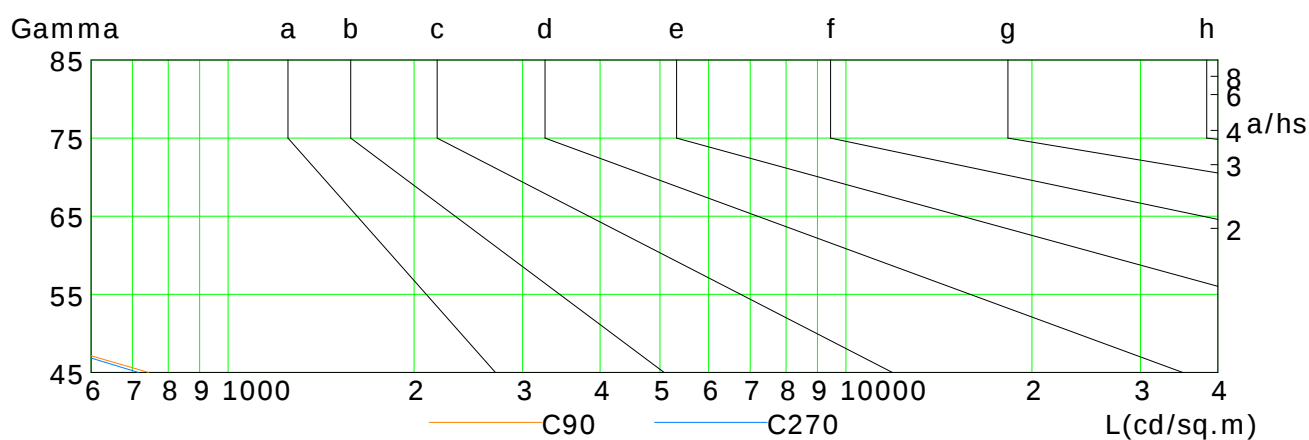
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Gamma Plane (°):0.0-90.0:1.0
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Lum Limit Curve

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

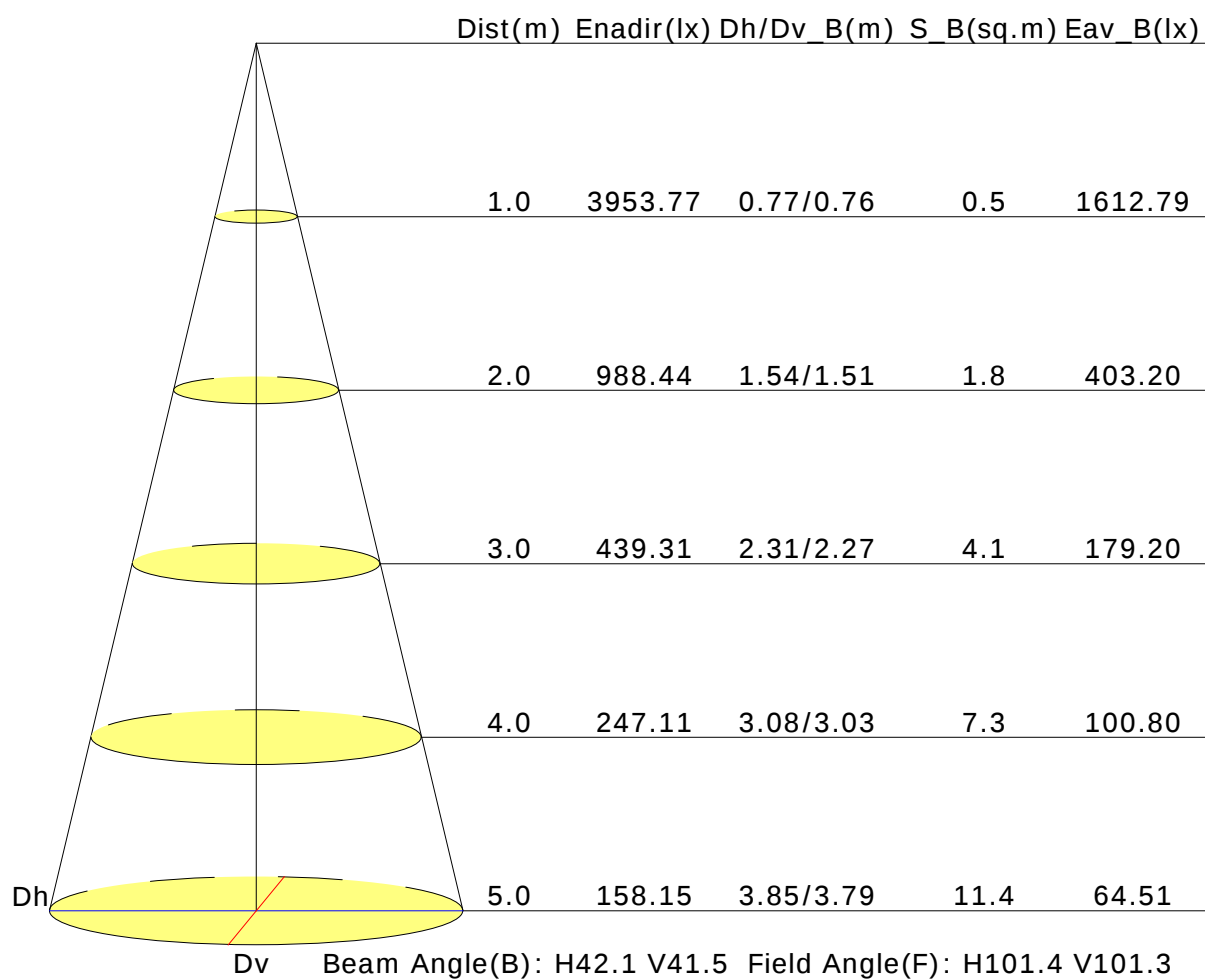


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	756	397	117	59	32	25	18	12	0
C90	744	453	115	61	32	25	18	13	5
C180	755	521	140	72	34	27	20	15	8
C270	716	446	119	59	30	24	18	13	0

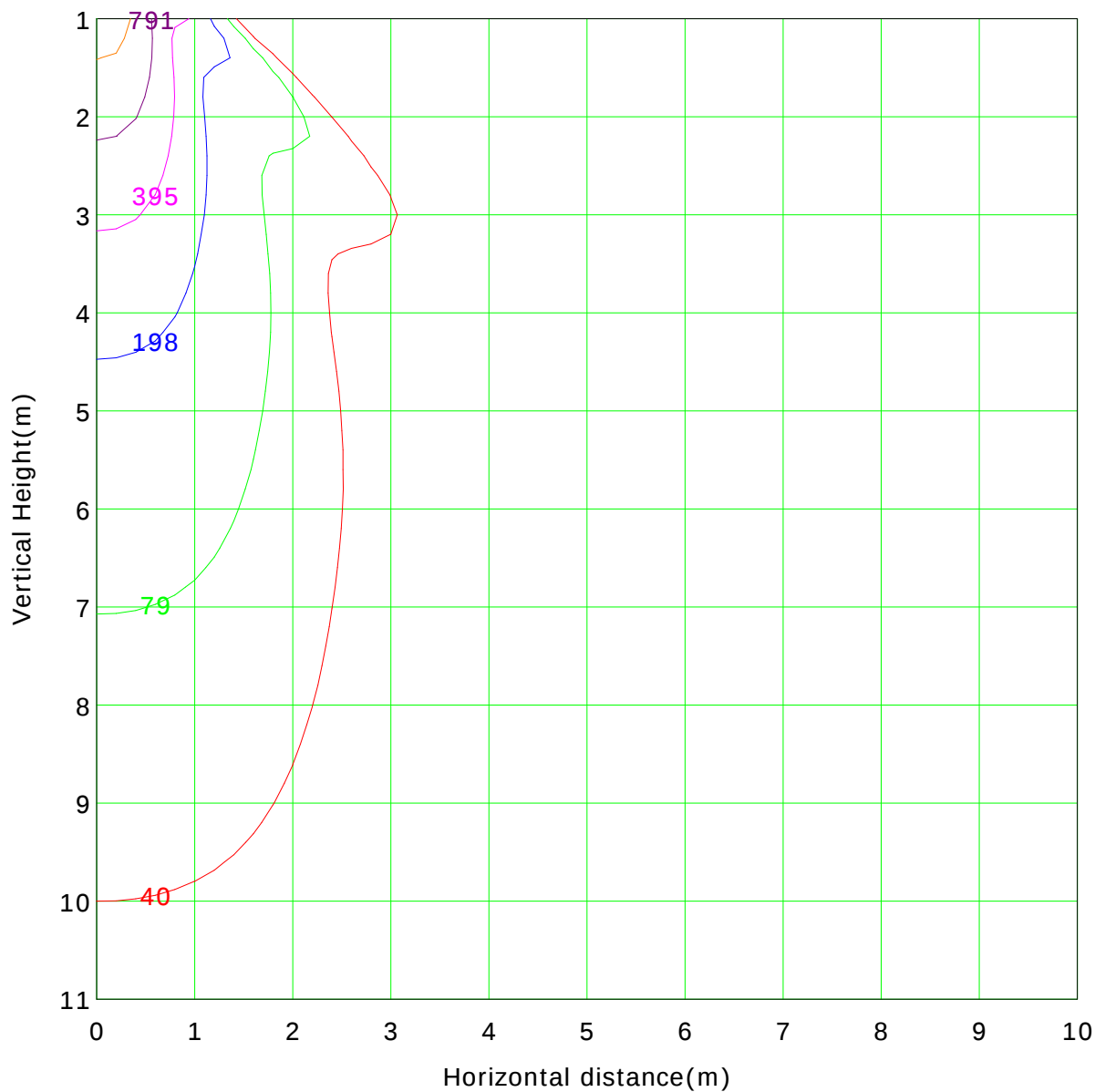
C Plane (°):0.0-360.0: 45.0
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Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600
 Distance: 7.517 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



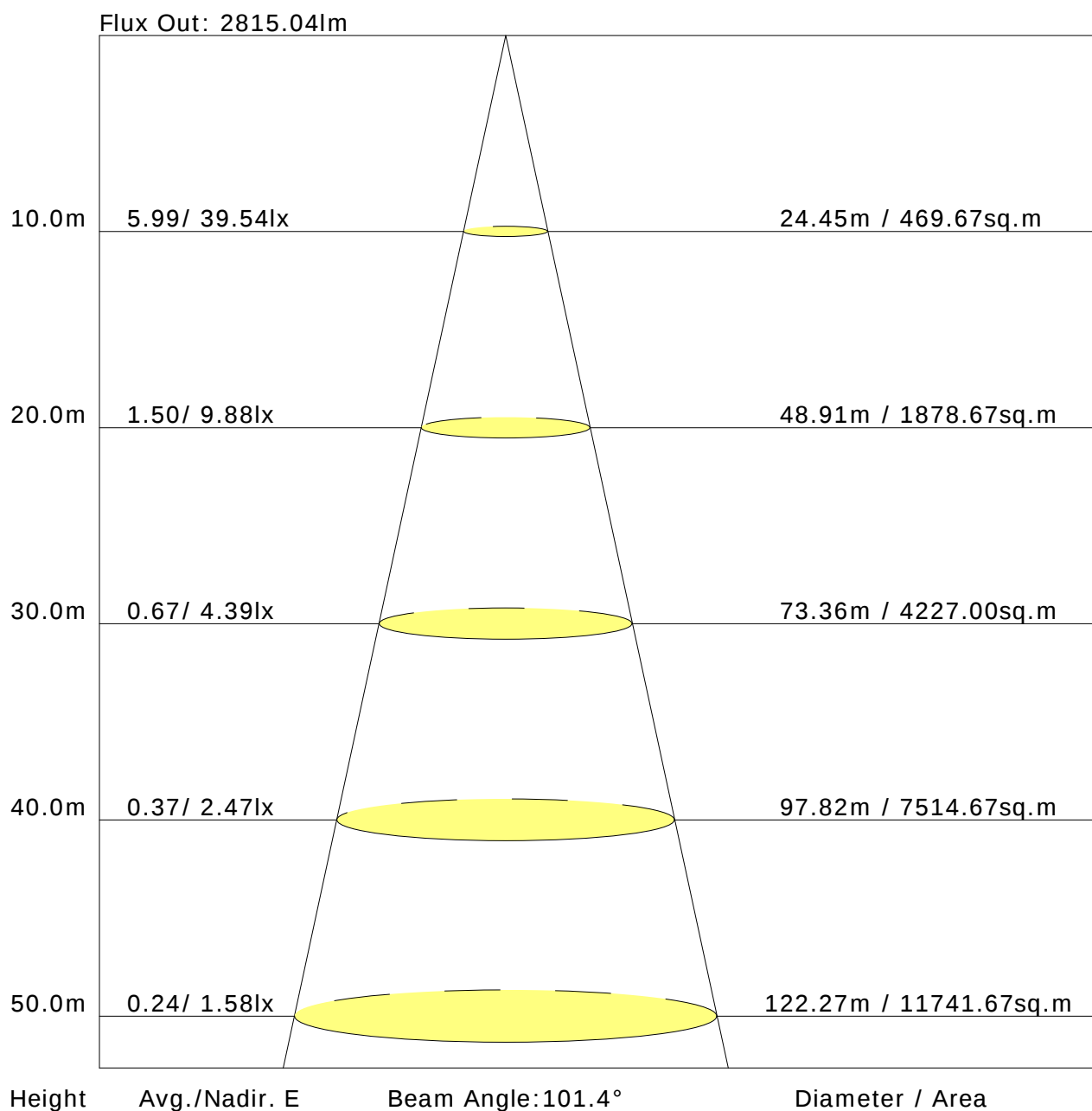
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3953.8 lx

(1%): 39.5 lx	(2%): 79.1 lx
(5%): 197.7 lx	(10%): 395.4 lx
(20%): 790.8 lx	(50%): 1976.9 lx
(100%): 3953.8 lx	

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The Average Illuminance Effective Figure



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