

Report No.:

Test Time: 2016-06-18 10:24

Luminaire Property

Luminaire Manufacturer:

Voltage: 220.1V

Power: 31.8W

Current: 0.149A

Power Factor: 0.955

Photometric Results

CIE Class: Direct

Measurement Flux: 3096.3 lm

Downward Ratio: 100%

Field Angle: H85.8 V86.0

Luminaire Efficacy Rating (LER): 97

Max. Intensity: 4053.31 cd

Total Rated Lamp Lumens: 3096.3 lm

Efficiency: 100%

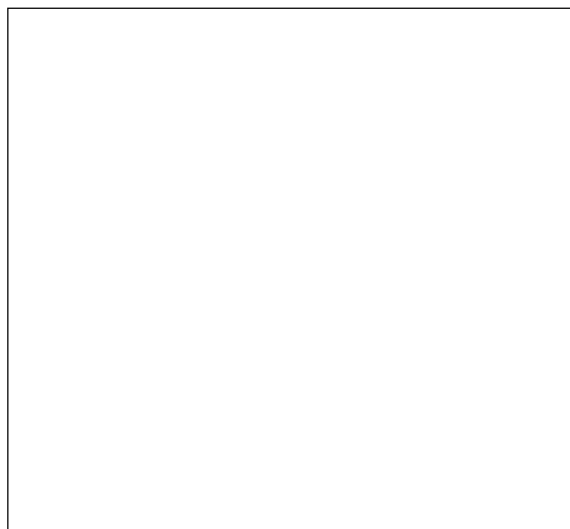
Upward Ratio: 0%

Beam Angle: H48.0 V47.7

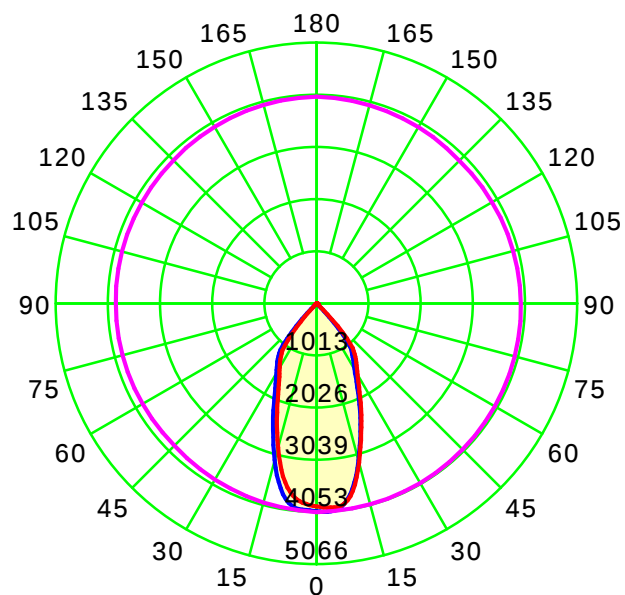
Central Intensity: 4035.74 cd

Pos of Max. Intensity: H0 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

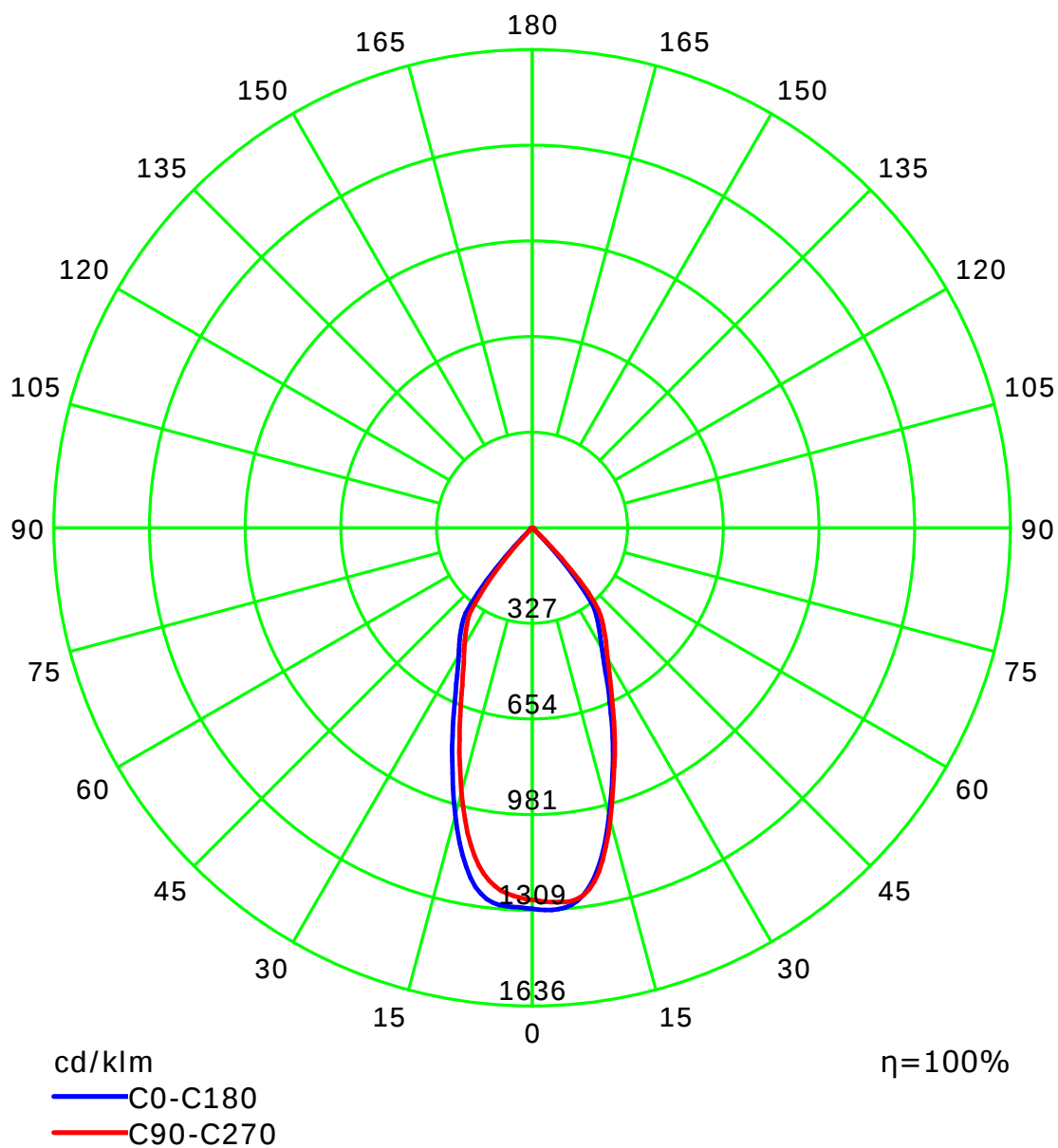
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd / klm)



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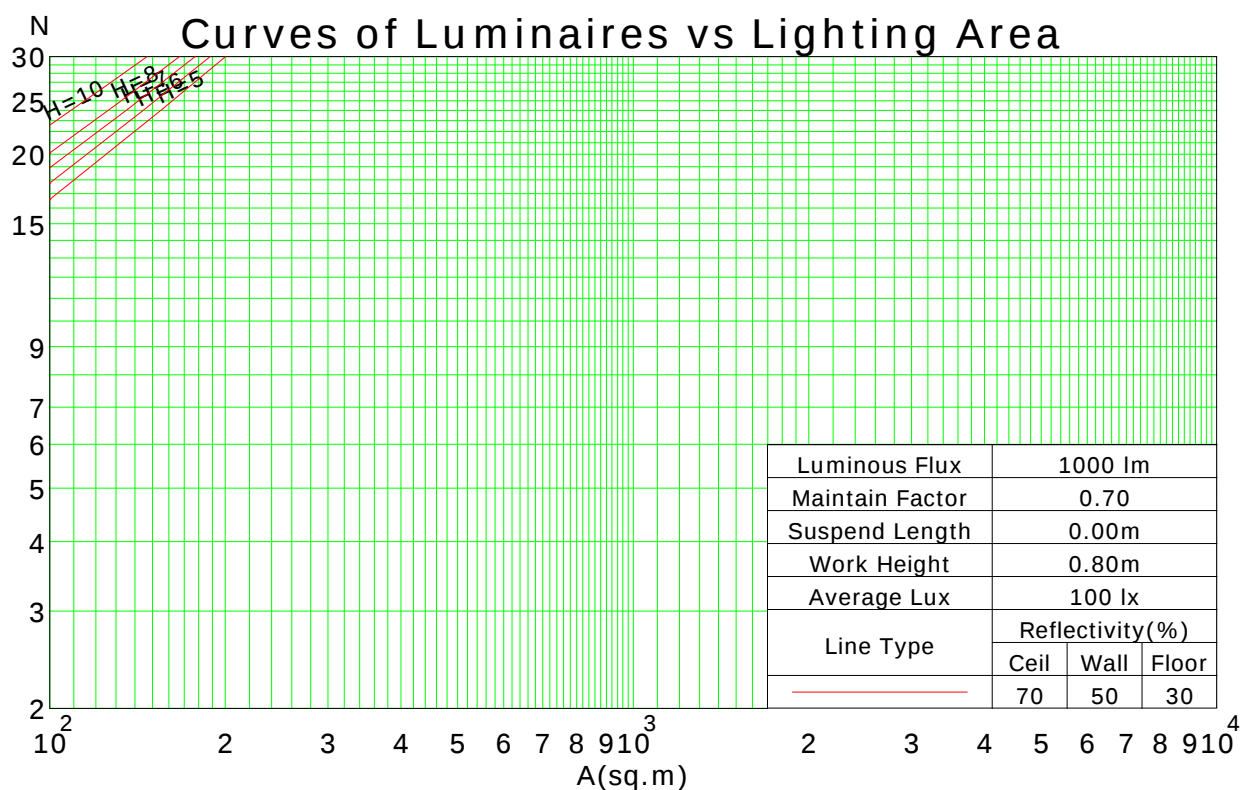
Coefficients Of Utilization - Zonal Cavity Method

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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	87	85	83	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

Spacing Criteria (0-180): 0.74

Spacing Criteria (90-270): 0.74

Spacing Criteria (Diagonal): 0.80



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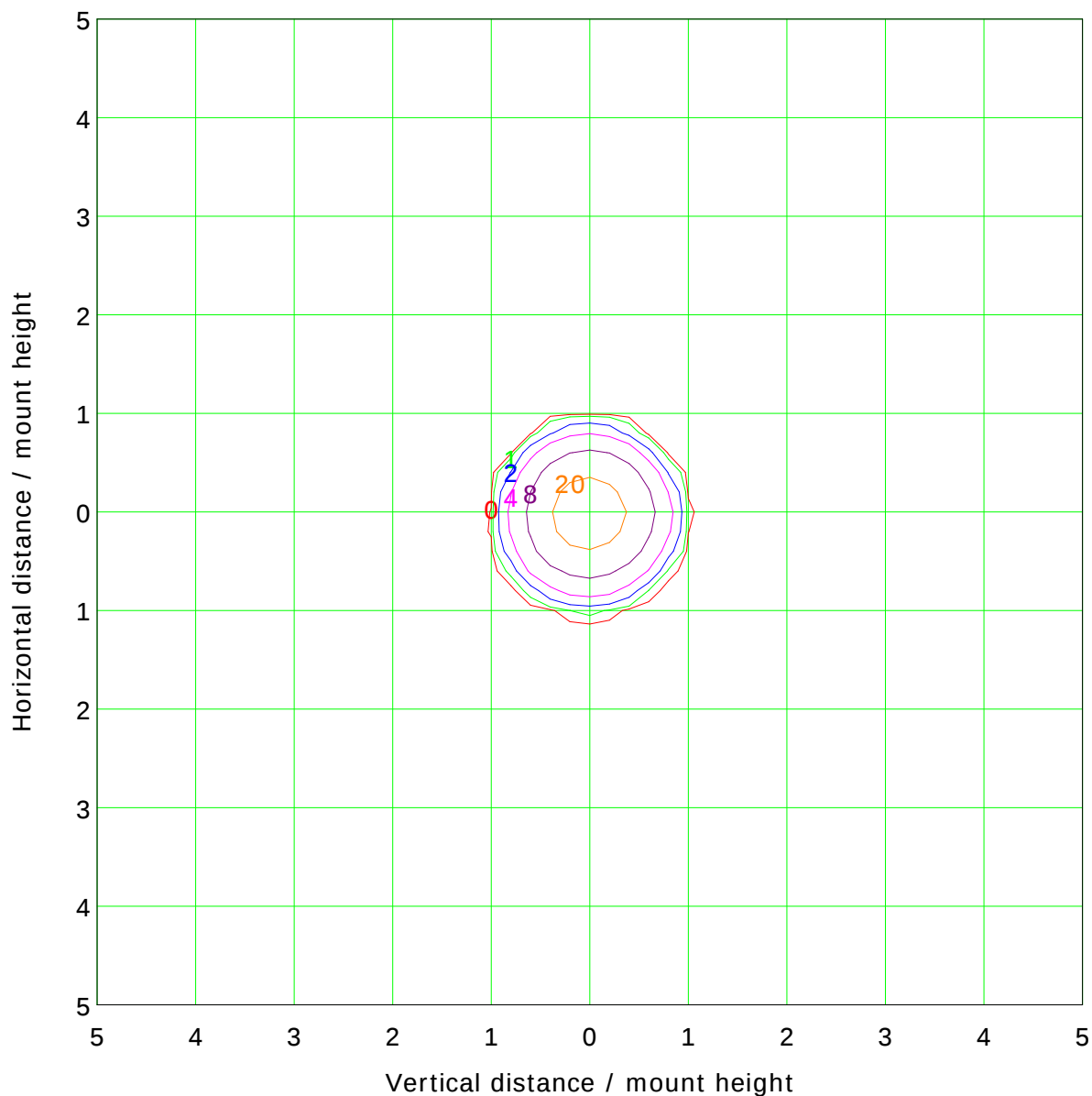
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 40.4 lx

(1%): 0.4 lx	(2%): 0.8 lx
(5%): 2.0 lx	(10%): 4.0 lx
(20%): 8.1 lx	(50%): 20.2 lx
(100%): 40.4 lx	

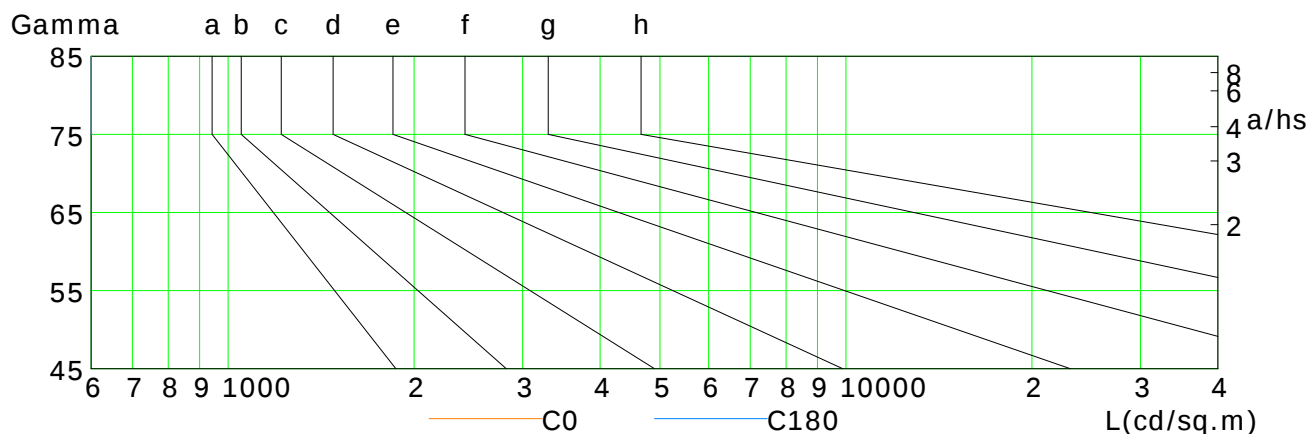
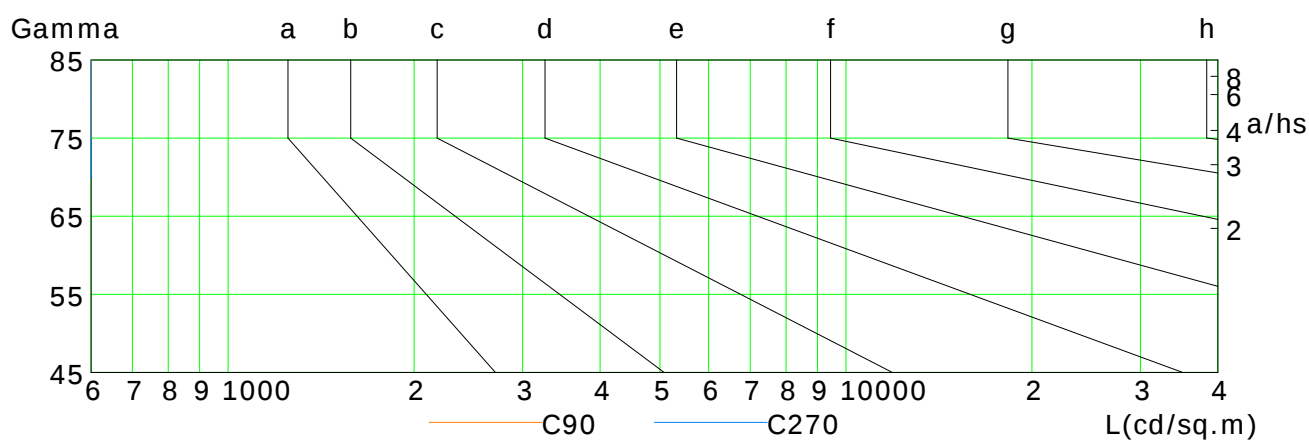
C Plane (°):0.0-360.0: 45.0
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 Test Type: TYPE C
 Temperature:
 Operator:

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

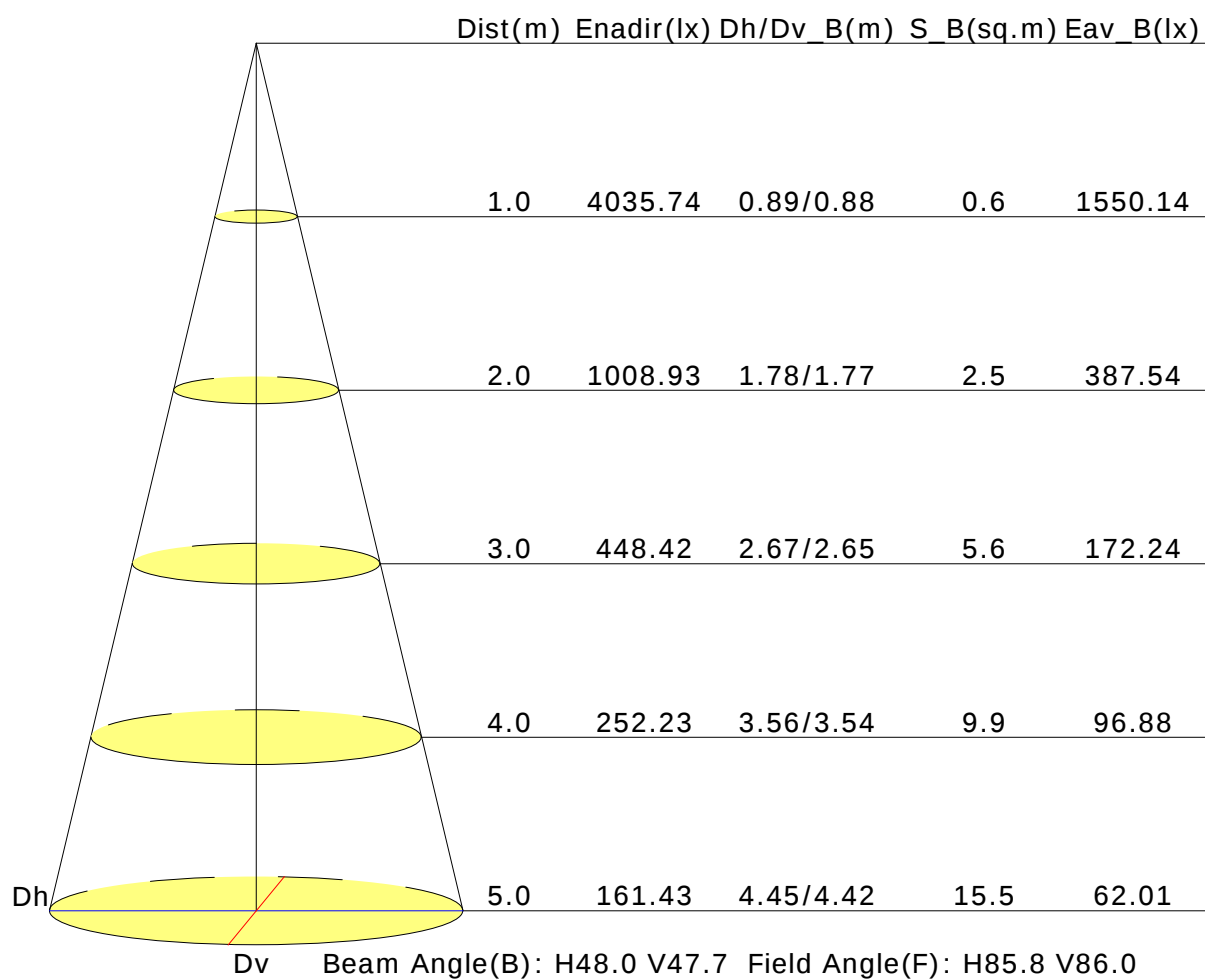


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	121	34	21	13	6	2	0	0	0
C90	300	43	24	14	7	2	0	0	0
C180	151	41	24	14	7	2	0	0	0
C270	65	31	18	11	4	0	0	0	0

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 Test Device: GPM-1600
 Distance: 7.517 m
 Humidity:
 Inspector:

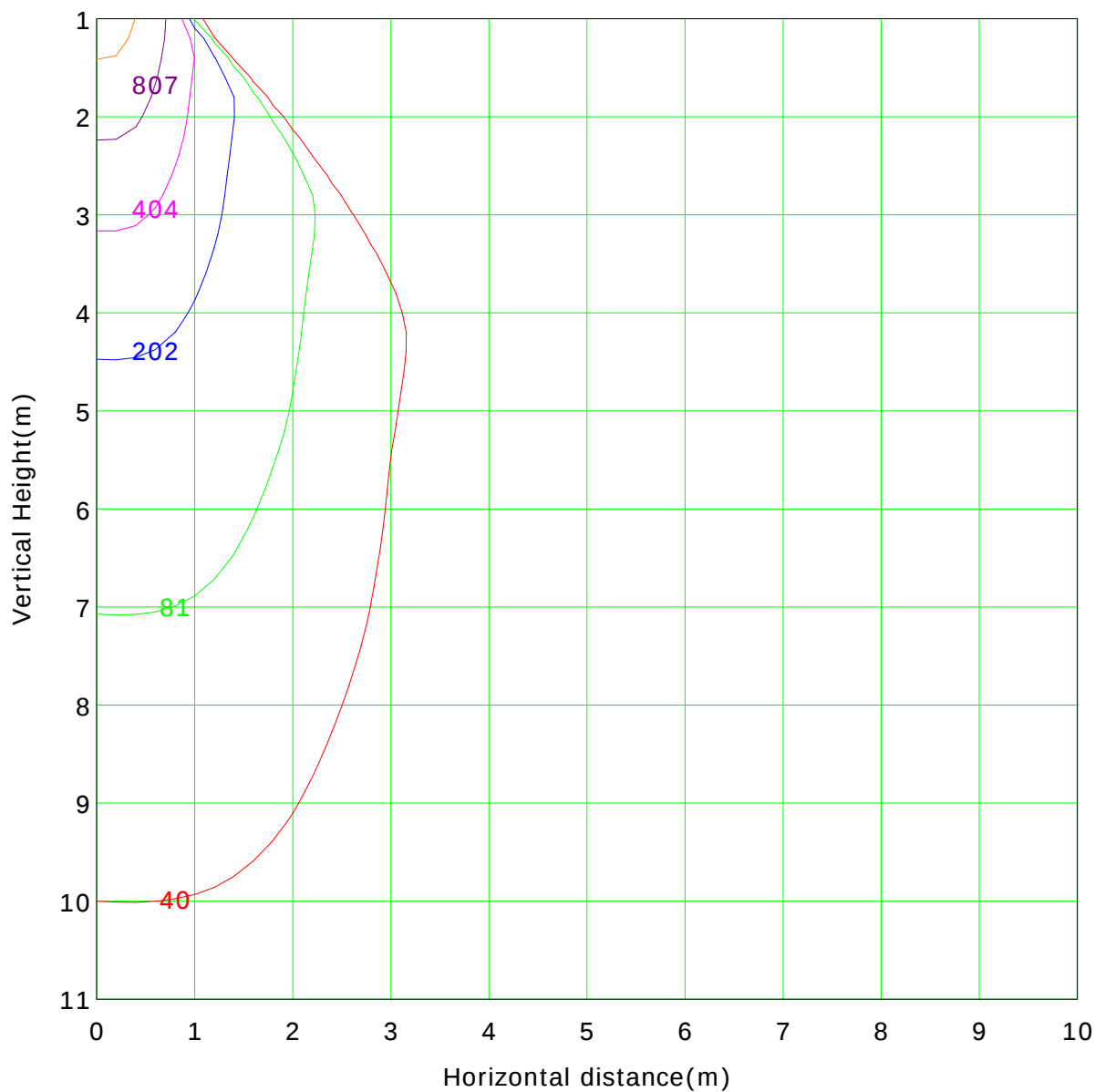
Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
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 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
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 Distance: 7.517 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



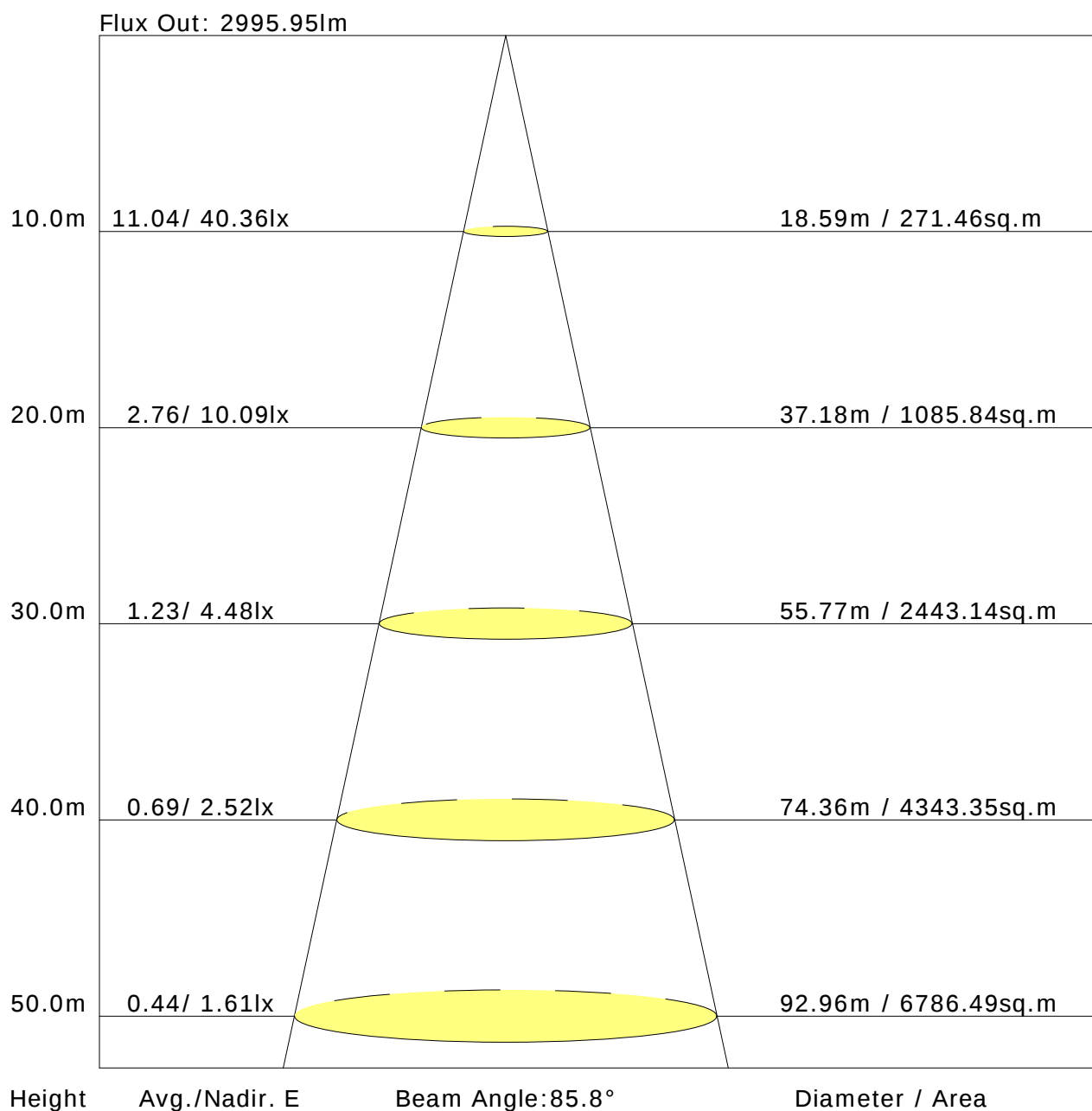
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4035.7 lx

(1%): 40.4 lx	(2%): 80.7 lx
(5%): 201.8 lx	(10%): 403.6 lx
(20%): 807.1 lx	(50%): 2017.9 lx
(100%): 4035.7 lx	

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The Average Illuminance Effective Figure



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