

Report No.:

Test Time: 2016-07-29 11:12

Luminaire Property

Luminaire Manufacturer:

Voltage: 221.6V

Power: 29.9W

Current: 0.138A

Power Factor: 0.965

Photometric Results

CIE Class: Direct

Measurement Flux: 3204.9 lm

Downward Ratio: 100%

Field Angle: H125.1 V137.1

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 1760.2 cd

Total Rated Lamp Lumens: 3204.9 lm

Efficiency: 100%

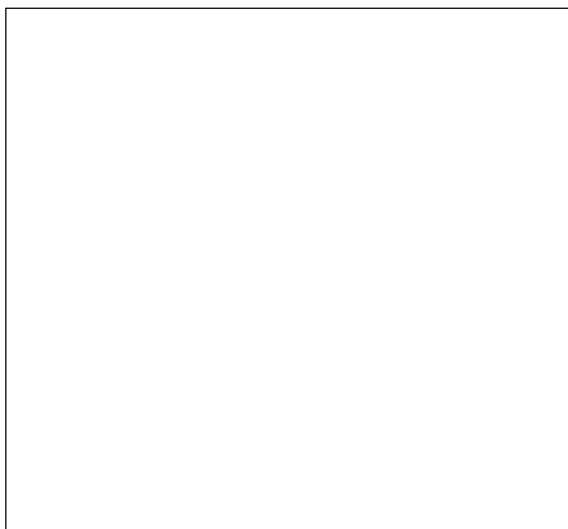
Upward Ratio: 0%

Beam Angle: H74.5 V94.3

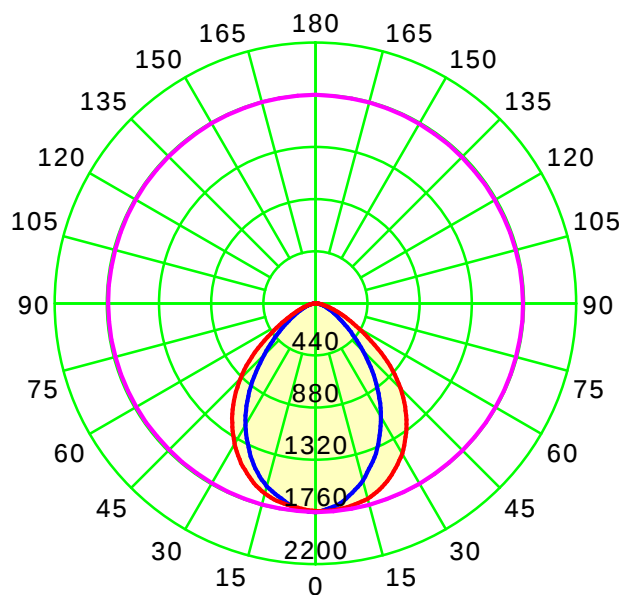
Central Intensity: 1760.2 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

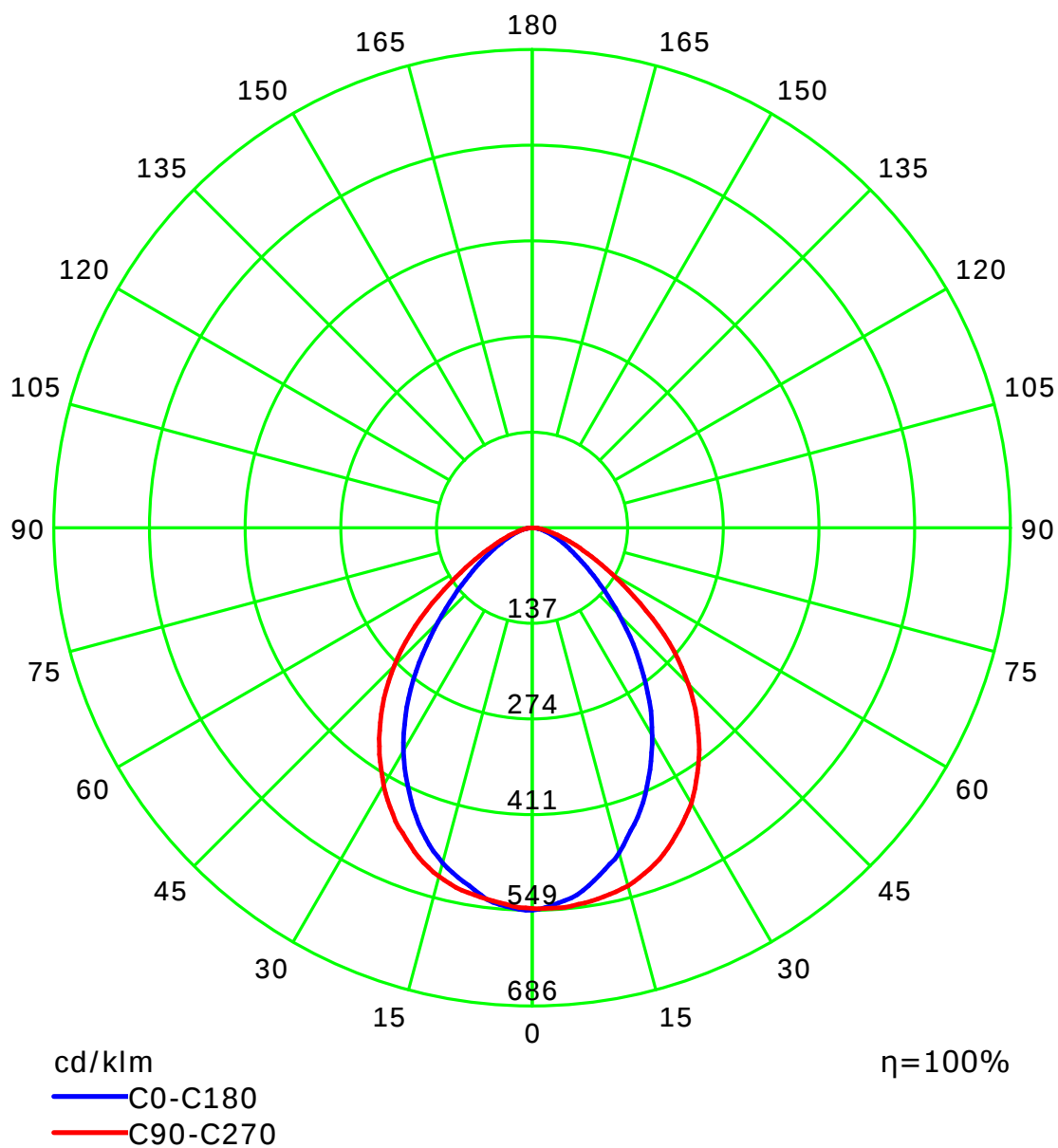
Test Device: GPM-1600

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:
 Inspector:

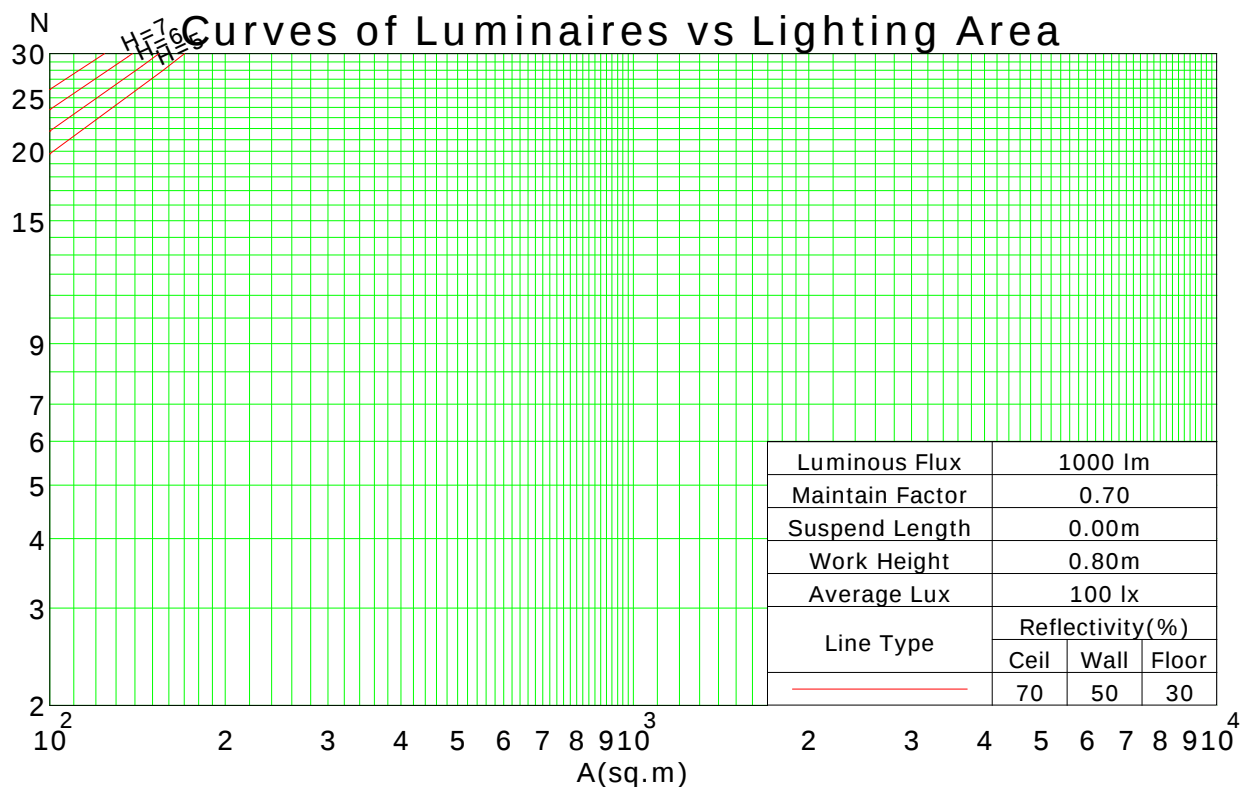
Coefficients Of Utilization - Zonal Cavity Method

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	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	87	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	55	47	42	65	54	47	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	38	47	41	37	36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33

Spacing Criteria (0-180): 1.02

Spacing Criteria (90-270): 1.20

Spacing Criteria (Diagonal): 1.16



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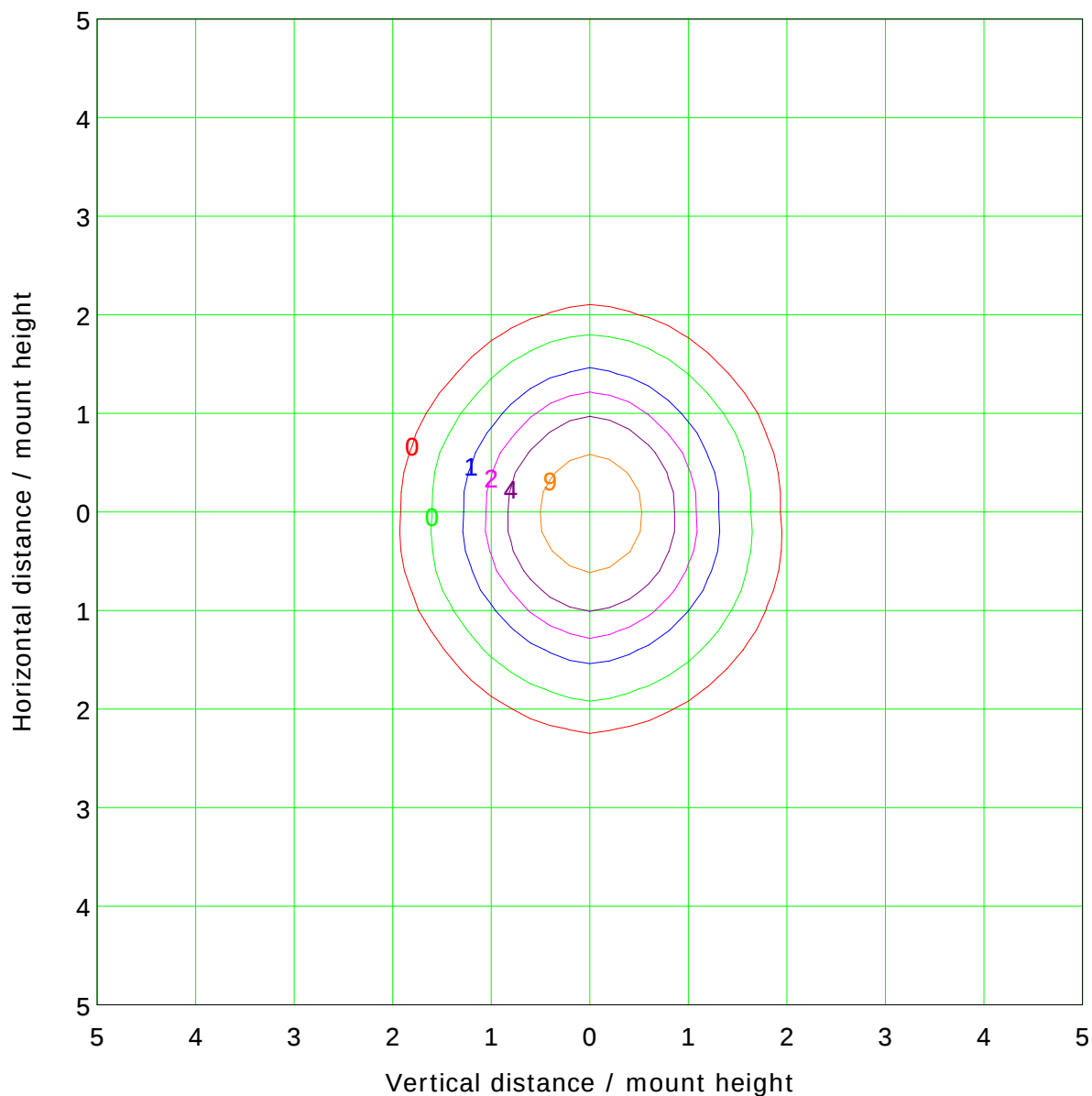
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 17.6 lx

(1%): 0.2 lx	(2%): 0.4 lx
(5%): 0.9 lx	(10%): 1.8 lx
(20%): 3.5 lx	(50%): 8.8 lx
(100%): 17.6 lx	

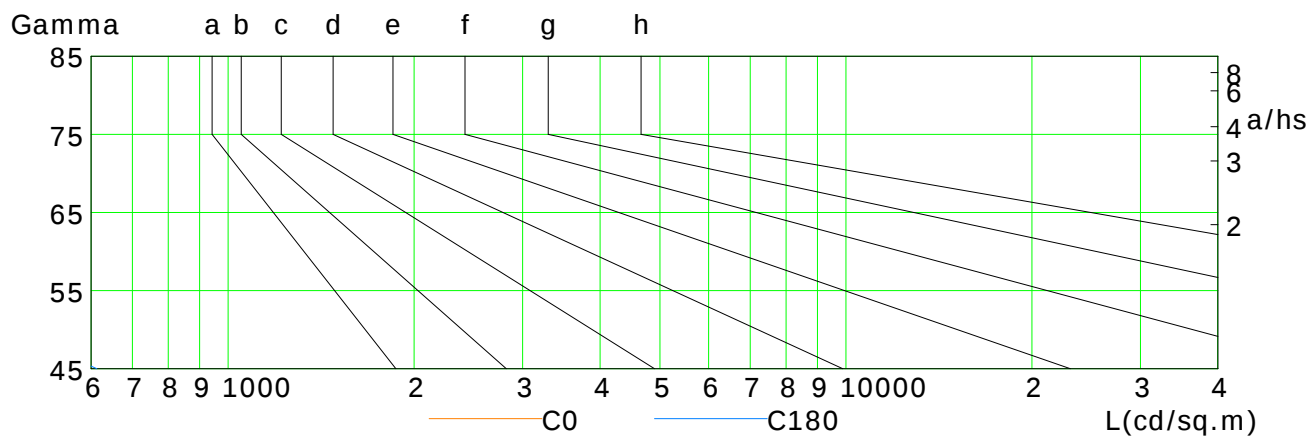
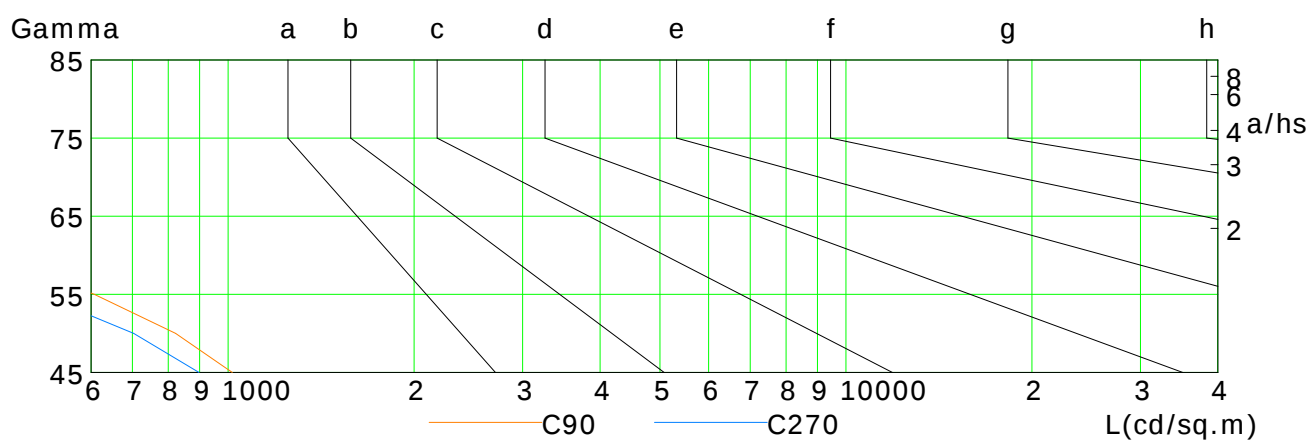
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

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

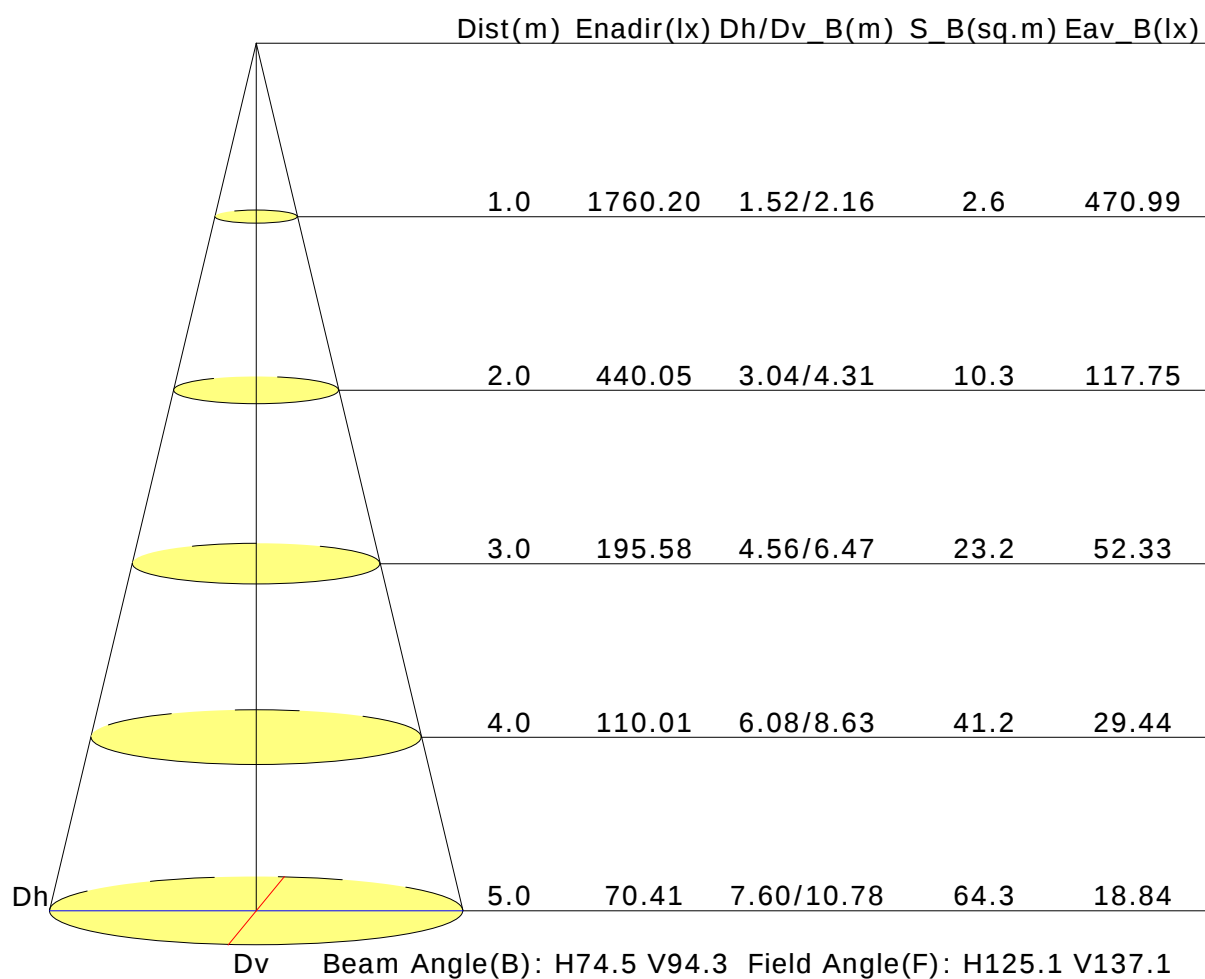


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	566	412	293	205	145	98	65	39	17
C90	1016	823	608	423	280	182	108	57	25
C180	613	449	318	217	148	100	67	40	16
C270	897	703	495	328	206	128	73	40	14

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

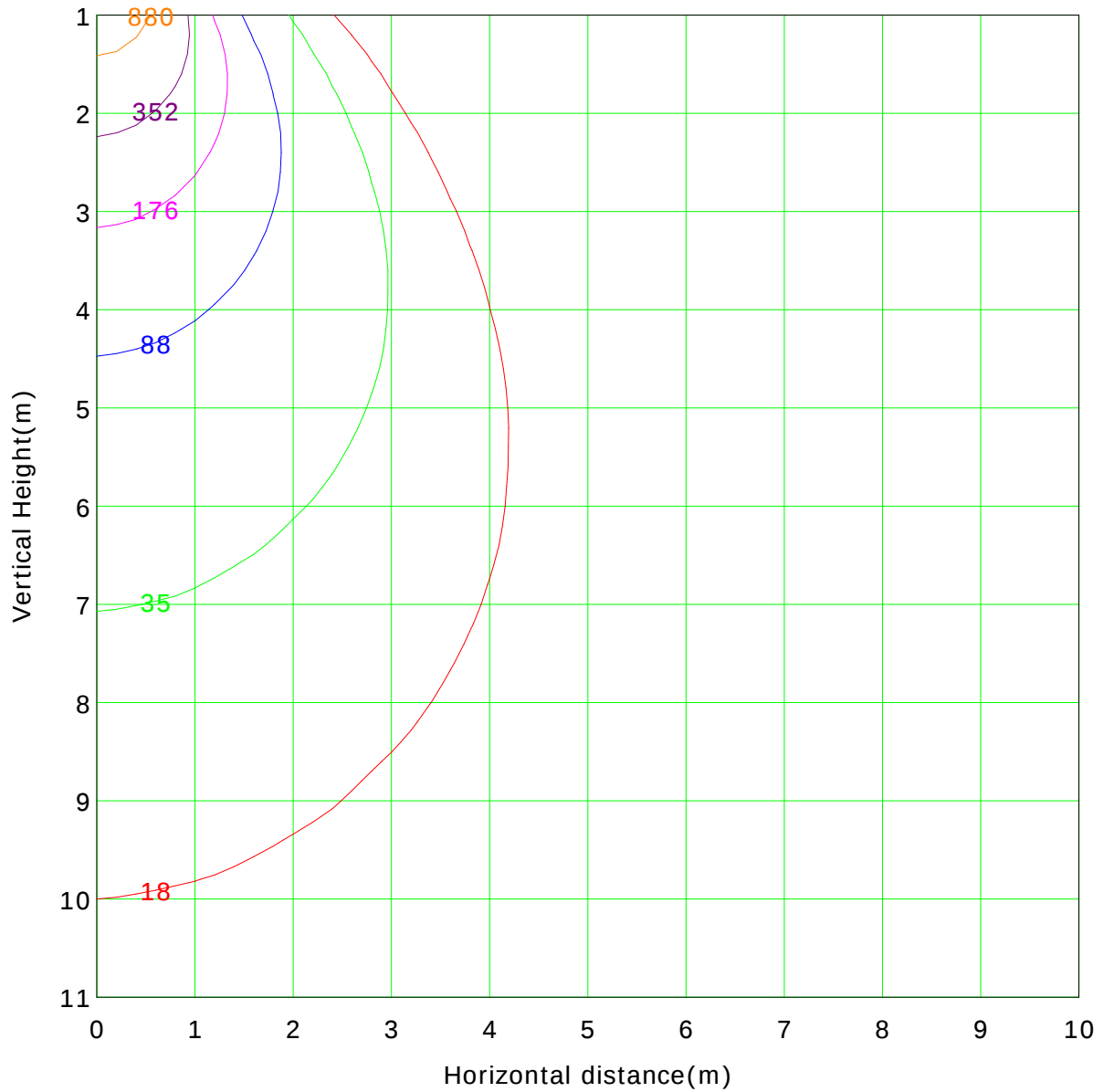
Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
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Gamma Plane (°):0.0-90.0:1.0
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 Humidity:
 Inspector:

Vertical IsoLux Plot



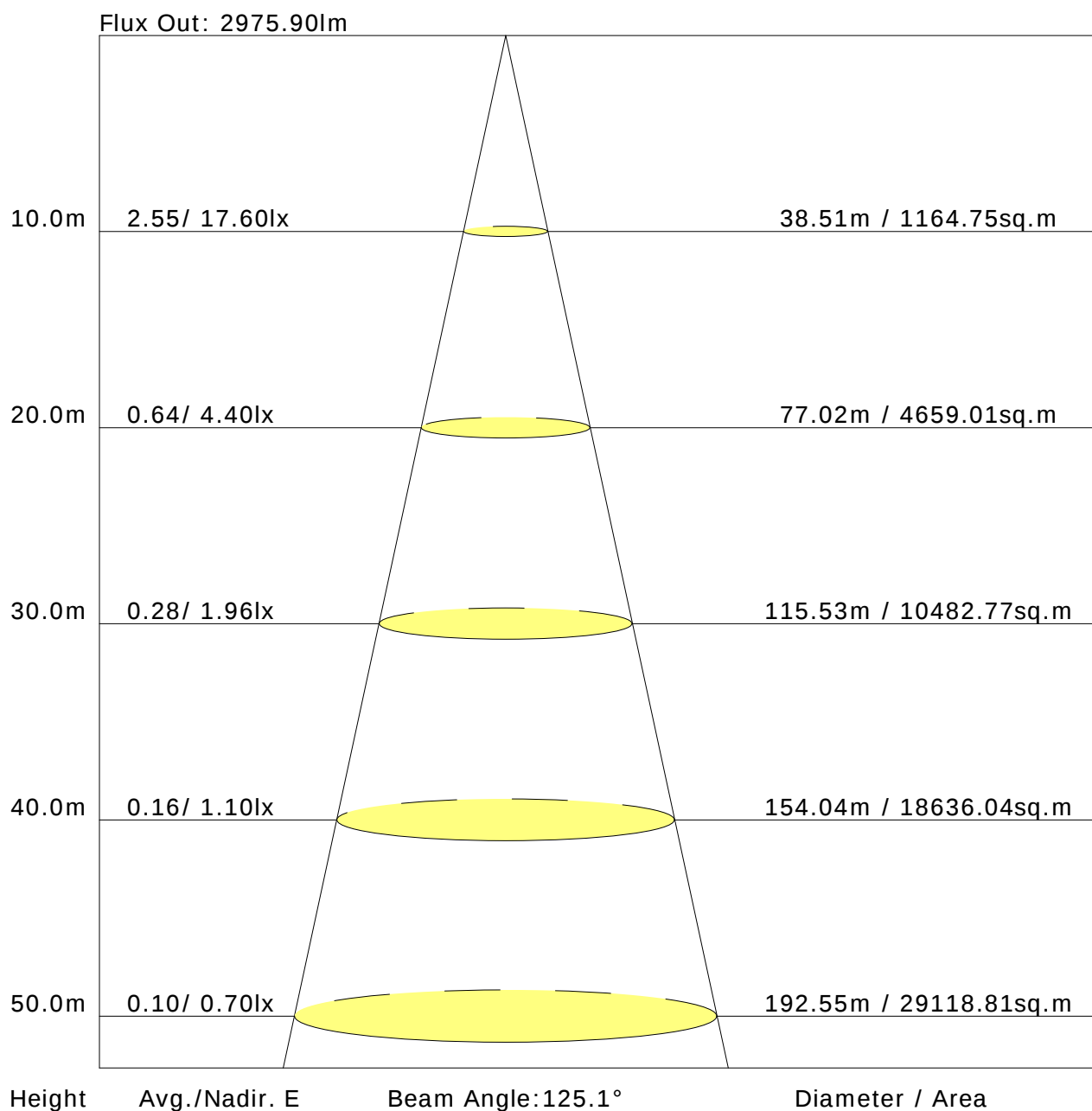
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1760.2 lx

(1%): 17.6 lx	(2%): 35.2 lx
(5%): 88.0 lx	(10%): 176.0 lx
(20%): 352.0 lx	(50%): 880.1 lx
(100%):1760.2 lx	

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The Average Illuminance Effective Figure



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