

Report No.:

Test Time: 2016-04-09 10:21

Luminaire Property

Luminaire Manufacturer:

Voltage: 221.1V

Power: 39.5W

Current: 0.179A

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Measurement Flux: 3635.3 lm

Downward Ratio: 100%

Field Angle: H129.1 V140.3

Luminaire Efficacy Rating (LER): 92

Max. Intensity: 1847.34 cd

Total Rated Lamp Lumens: 3635.3 lm

Efficiency: 100%

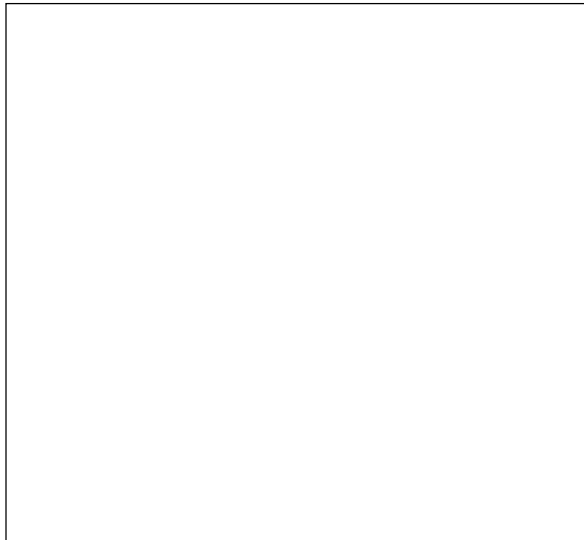
Upward Ratio: 0%

Beam Angle: H80.3 V98.4

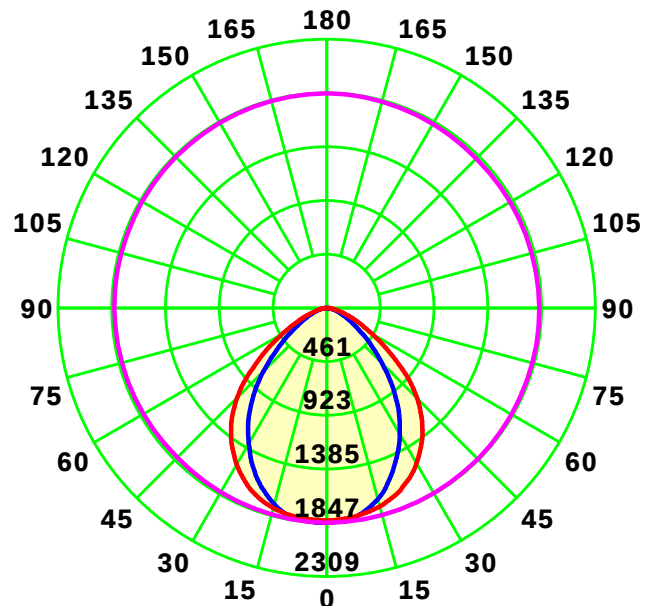
Central Intensity: 1847.34 cd

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

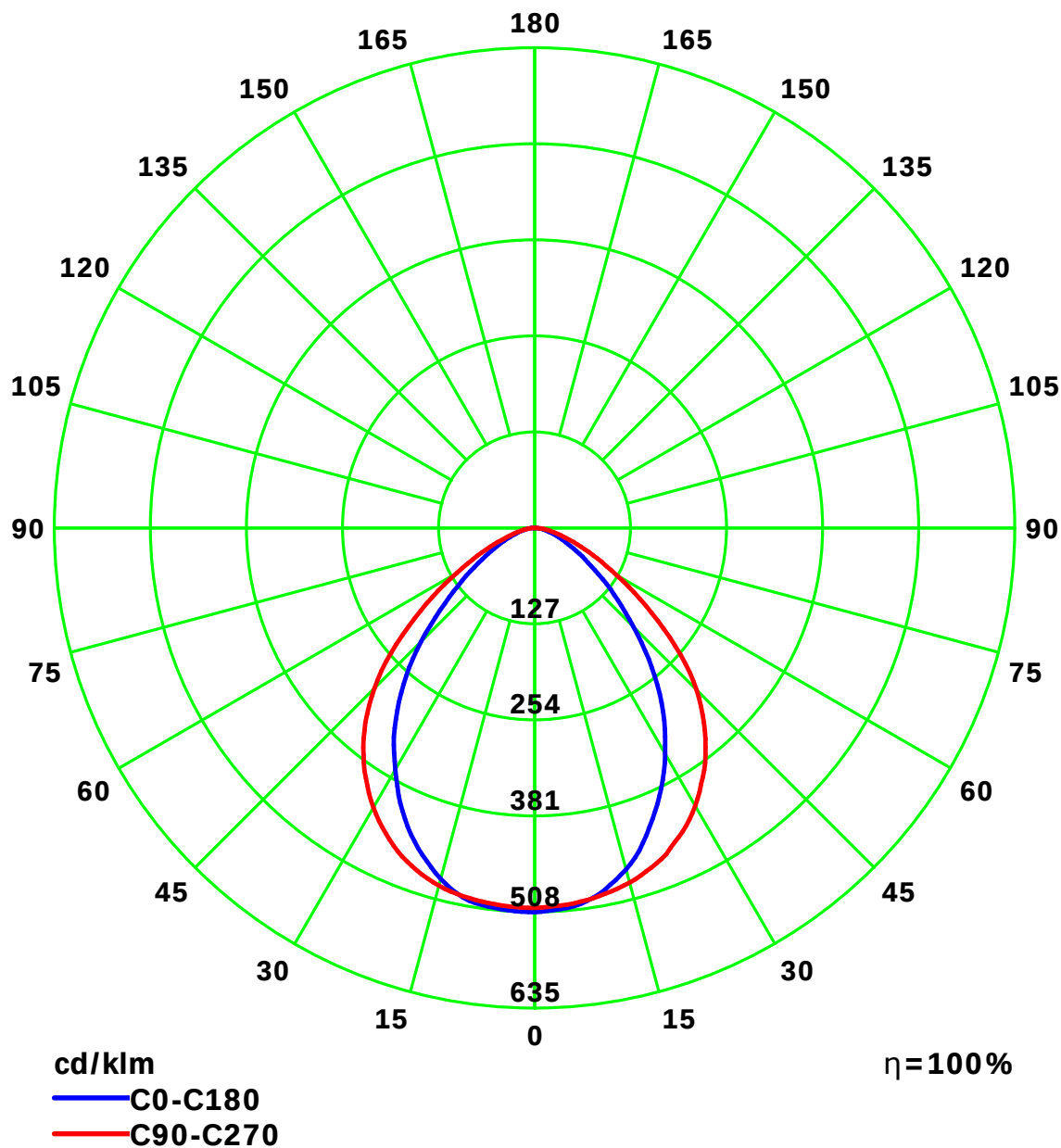
Distance: 7.517 m

Humidity:

Inspector:



Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 45.0
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:



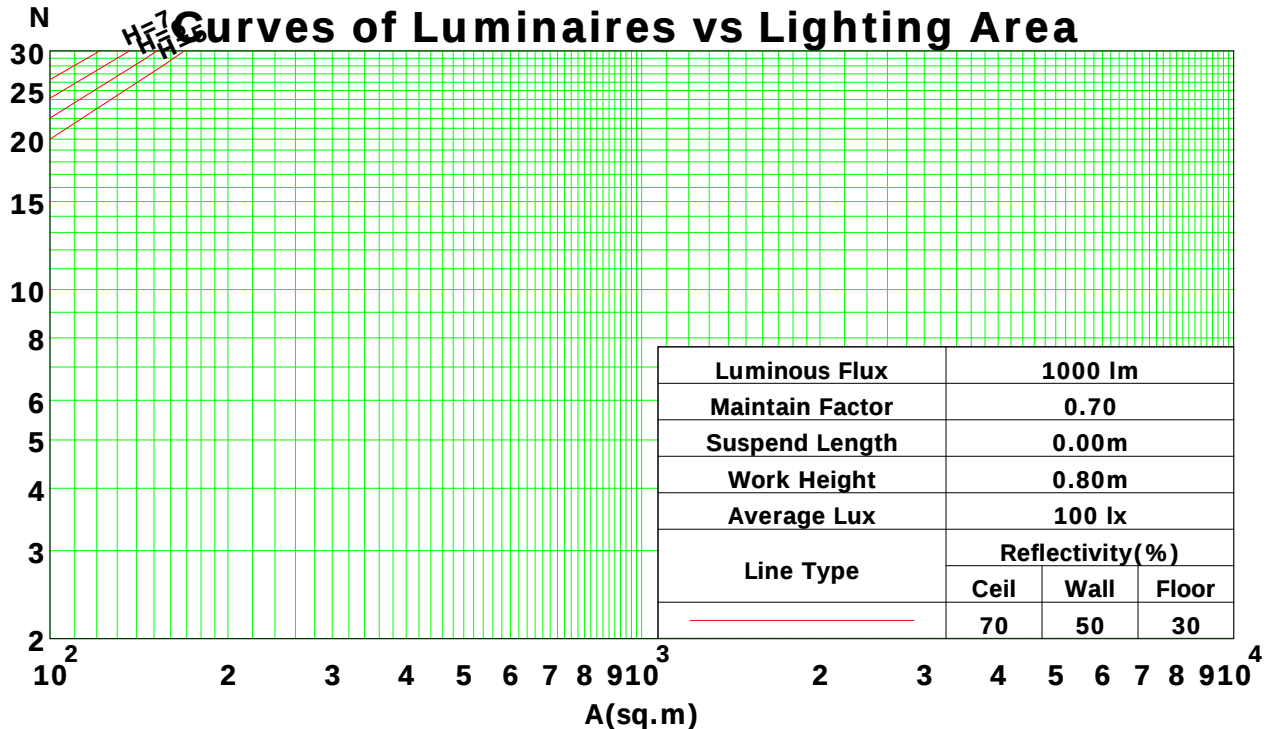
Coefficients Of Utilization - Zonal Cavity Method

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	93	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	54	49	60	54	49	58	53	49	47
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	40	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	38	34	45	38	34	44	38	33	43	37	33	32

Spacing Criteria (0-180): 1.08

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.21



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

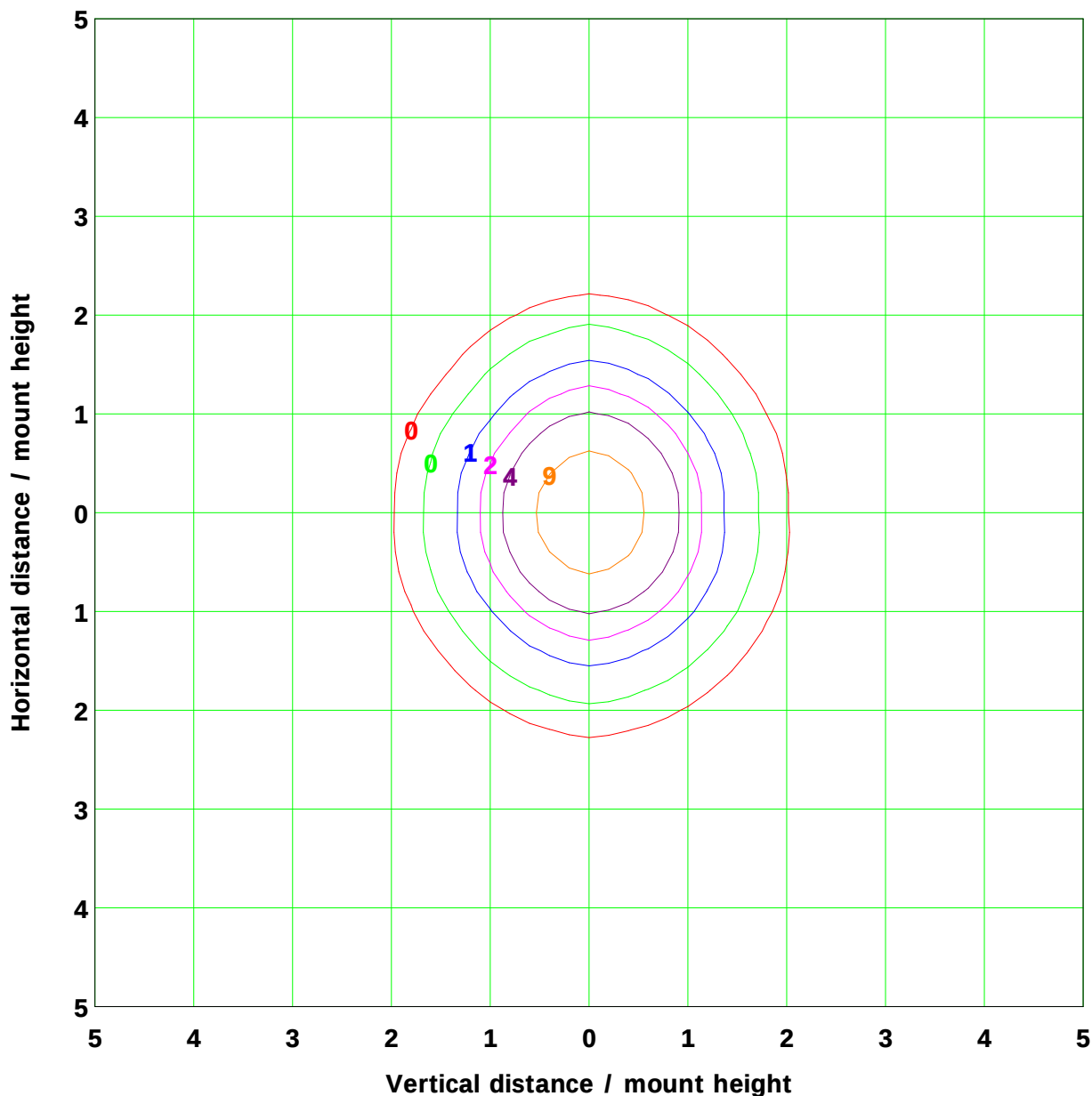
Distance: 7.517 m

Humidity:

Inspector:



IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 18.5 lx

(1%): 0.2 lx (2%): 0.4 lx
(5%): 0.9 lx (10%): 1.8 lx

C Plane (°):0.0-360.0:(20%): 3.7 lx
Test Lab: (100%): 18.5 lx

Gamma Plane (°):0.0-90.0:1.0

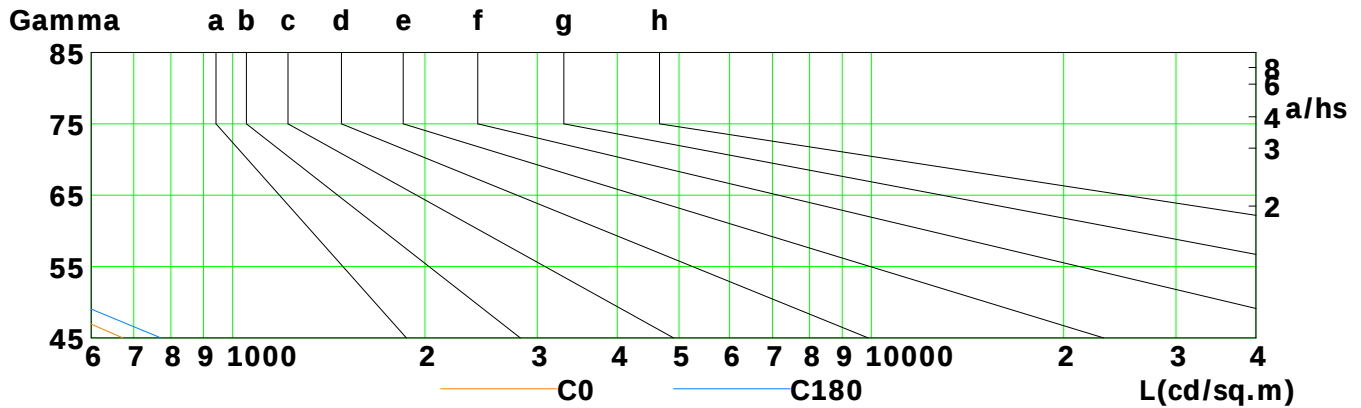
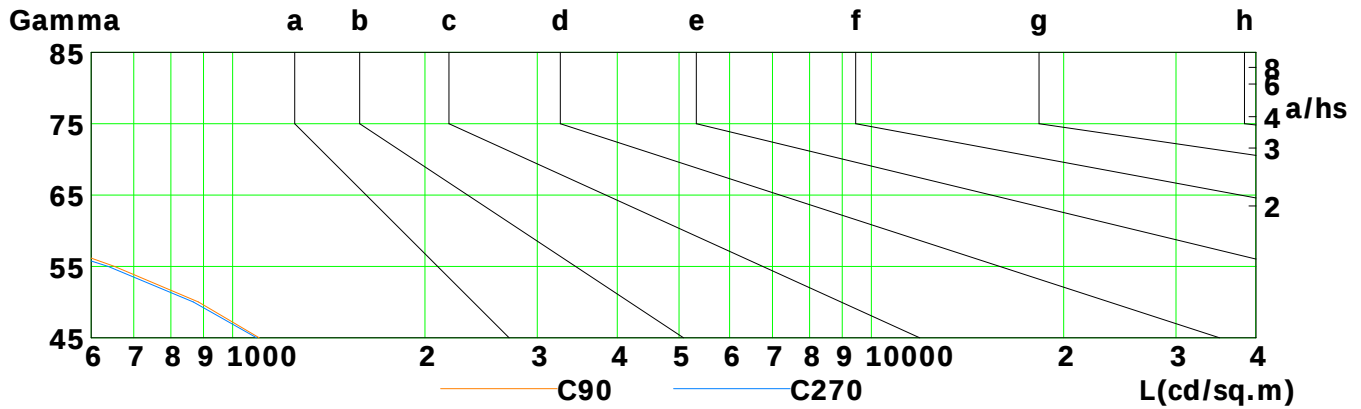
Test Type: TYPE C
Temperature:
Operator:

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	673	500	355	250	168	115	72	41	14
C90	1101	884	653	457	311	199	118	65	29
C180	772	565	402	273	190	126	82	48	23
C270	1090	867	638	433	282	171	98	55	22

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

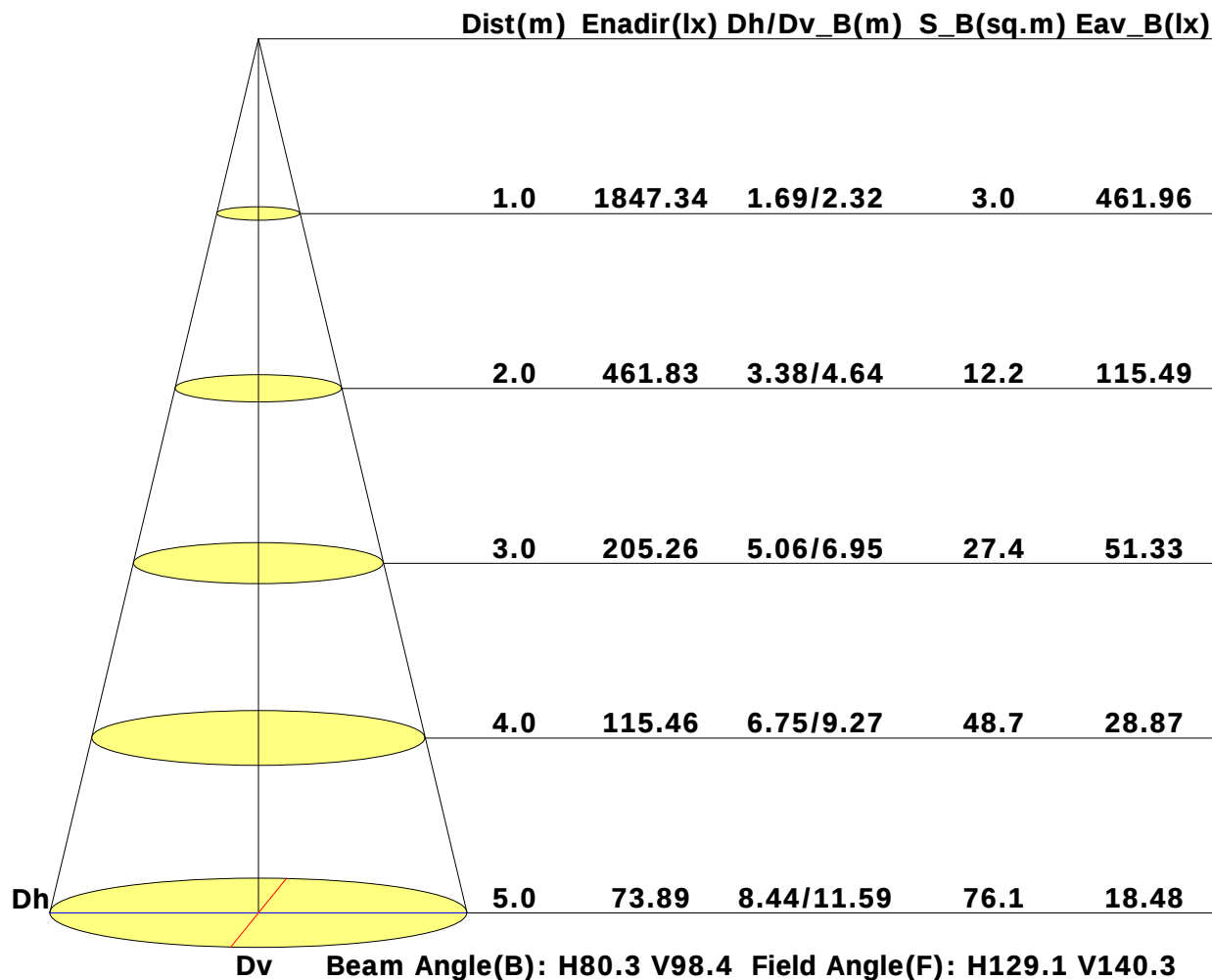
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

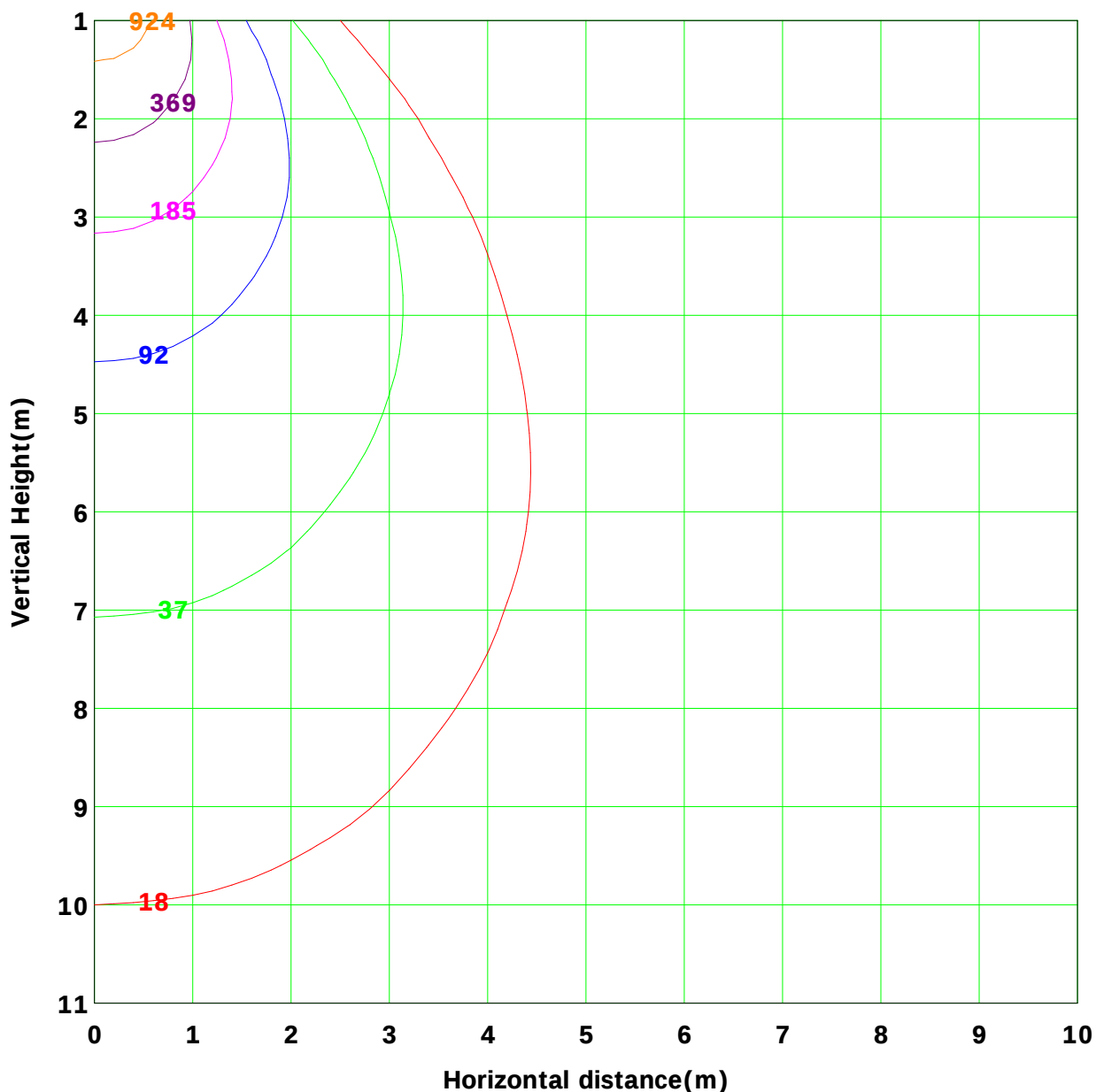
Illuminance at a Distance



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: 1847.3 lx

(1%): 18.5 lx

(2%): 36.9 lx

(5%): 92.4 lx

(10%): 184.7 lx

(20%): 369.5 lx

(50%): 923.7 lx

C Plane (°):0.0-360.0:(100%):1847.3 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 7.517 m

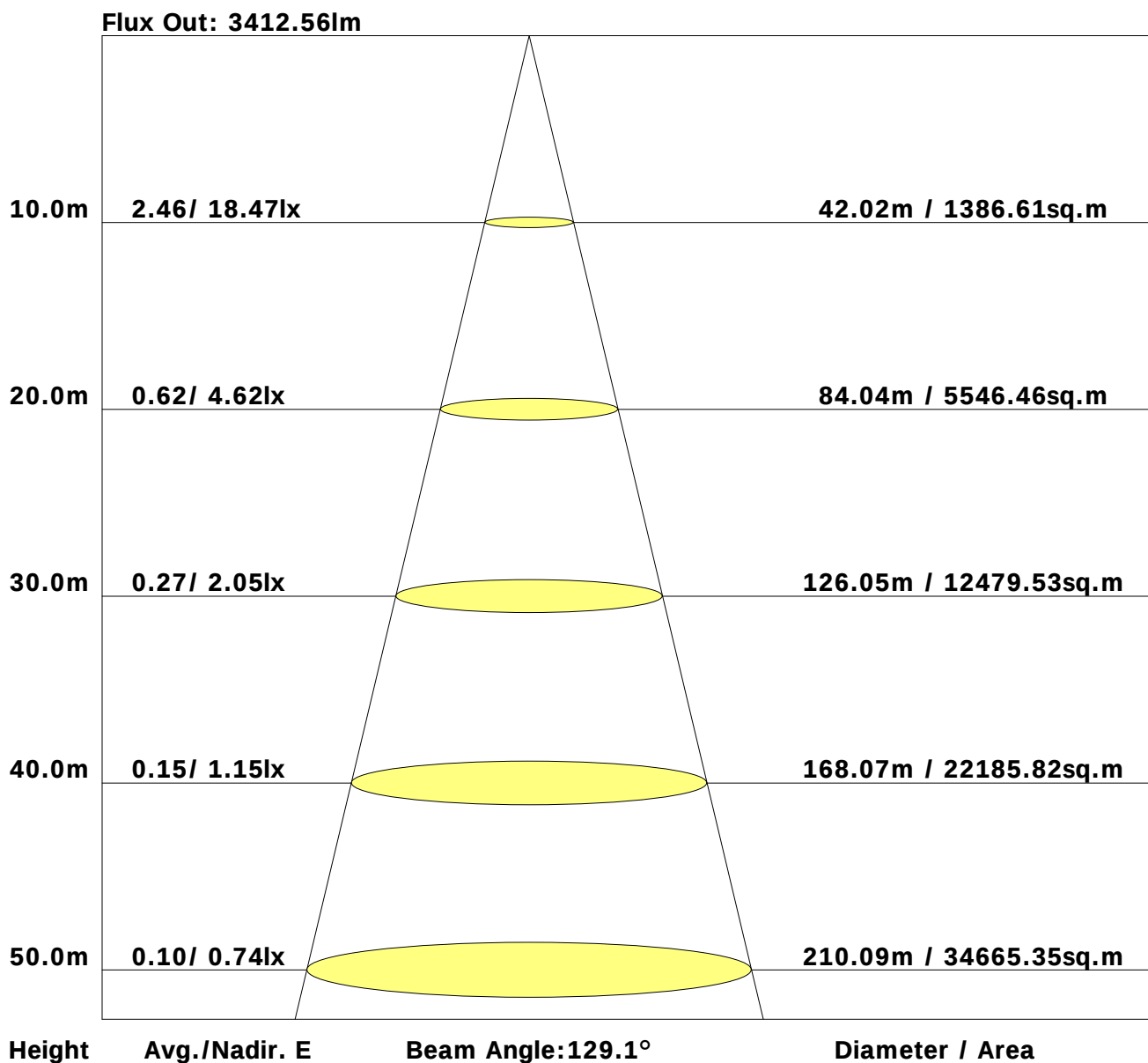
Temperature:

Humidity:

Operator:

Inspector:

The Average Illuminance Effective Figure



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

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