

Report No.:

Test Time: 2016-07-21 20:36

Luminaire Property

Luminaire Manufacturer:

Voltage: 220.4V

Power: 37W

Current: 0.168A

Power Factor: 0.973

Photometric Results

CIE Class: Direct

Measurement Flux: 3076.8 lm

Downward Ratio: 100%

Field Angle: H63.2 V63.6

Luminaire Efficacy Rating (LER): 83

Max. Intensity: 7955.63 cd

Total Rated Lamp Lumens: 3076.8 lm

Efficiency: 100%

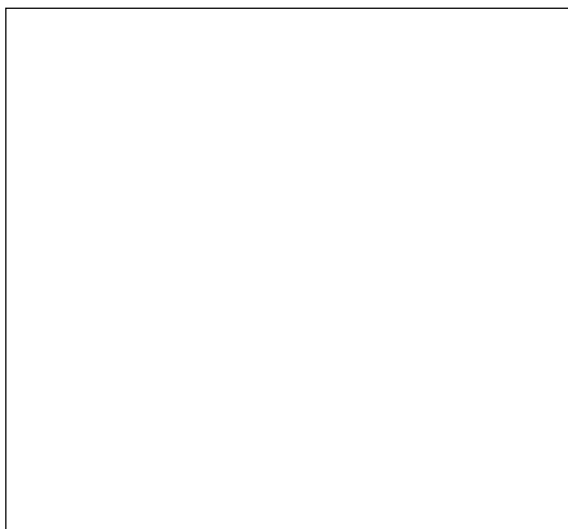
Upward Ratio: 0%

Beam Angle: H24.1 V24.3

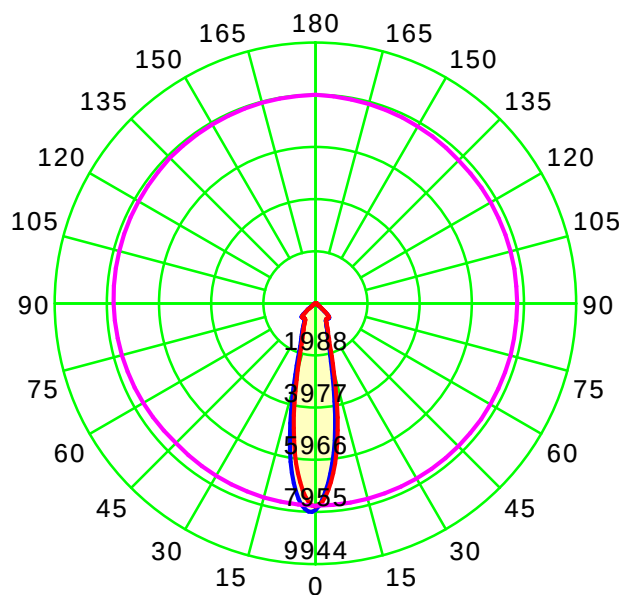
Central Intensity: 7878.58 cd

Pos of Max. Intensity: H180 V1

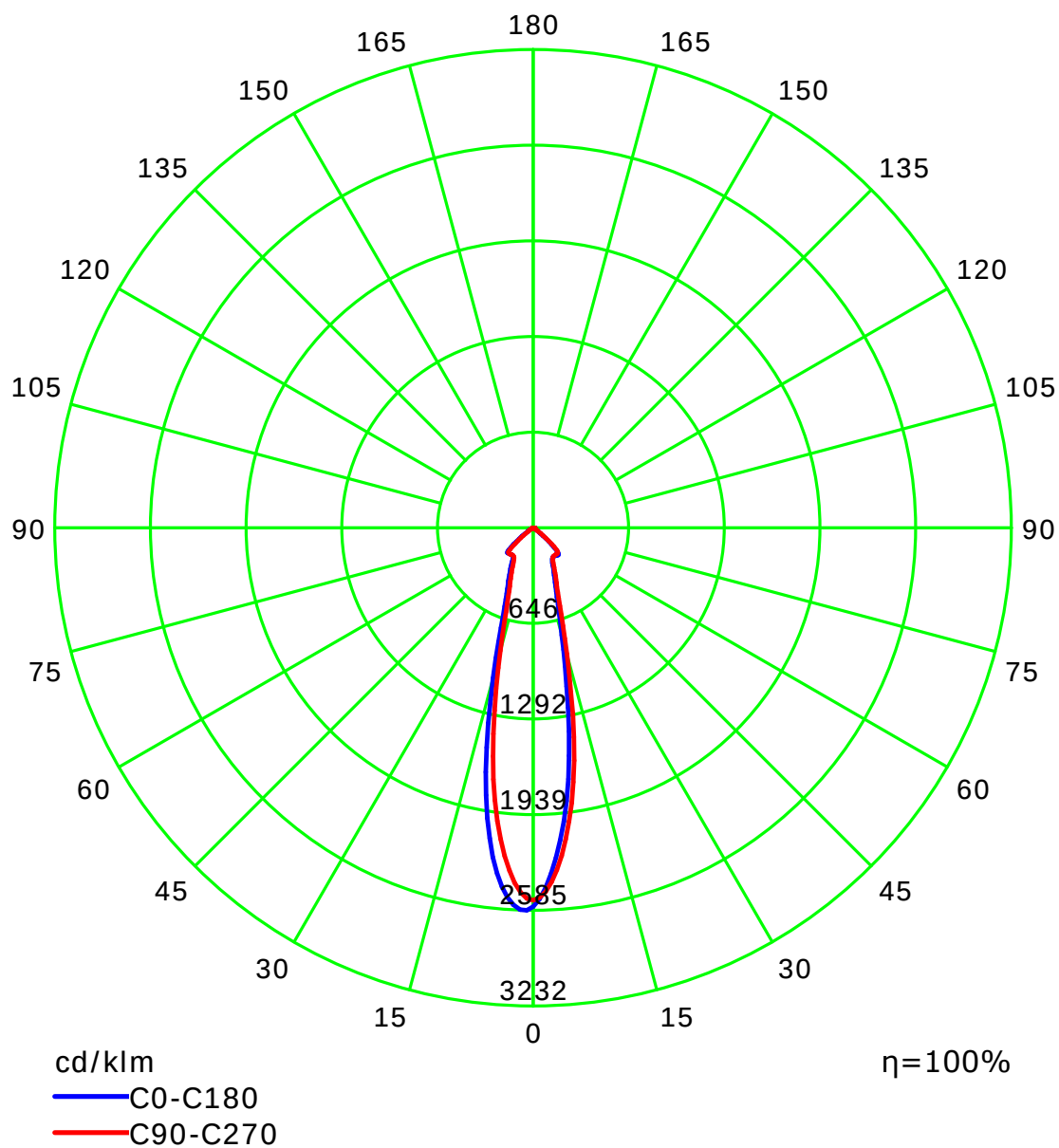
Picture Of Luminaire



Luminous Intensity Distribution Curve



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:

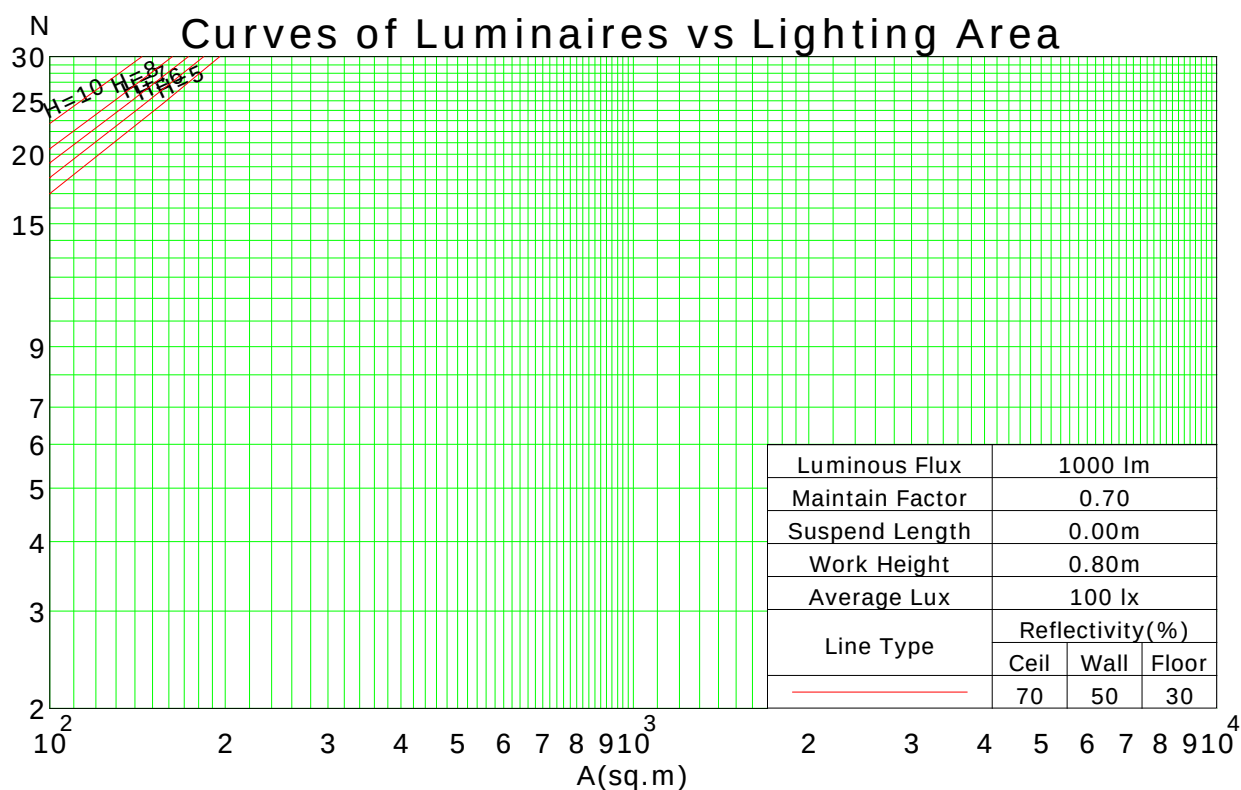
Coefficients Of Utilization - Zonal Cavity Method

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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	75	73
5	91	82	76	72	89	81	76	71	79	75	71	78	73	70	76	72	69	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51

Spacing Criteria (0-180): 0.41

Spacing Criteria (90-270): 0.41

Spacing Criteria (Diagonal): 0.42



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

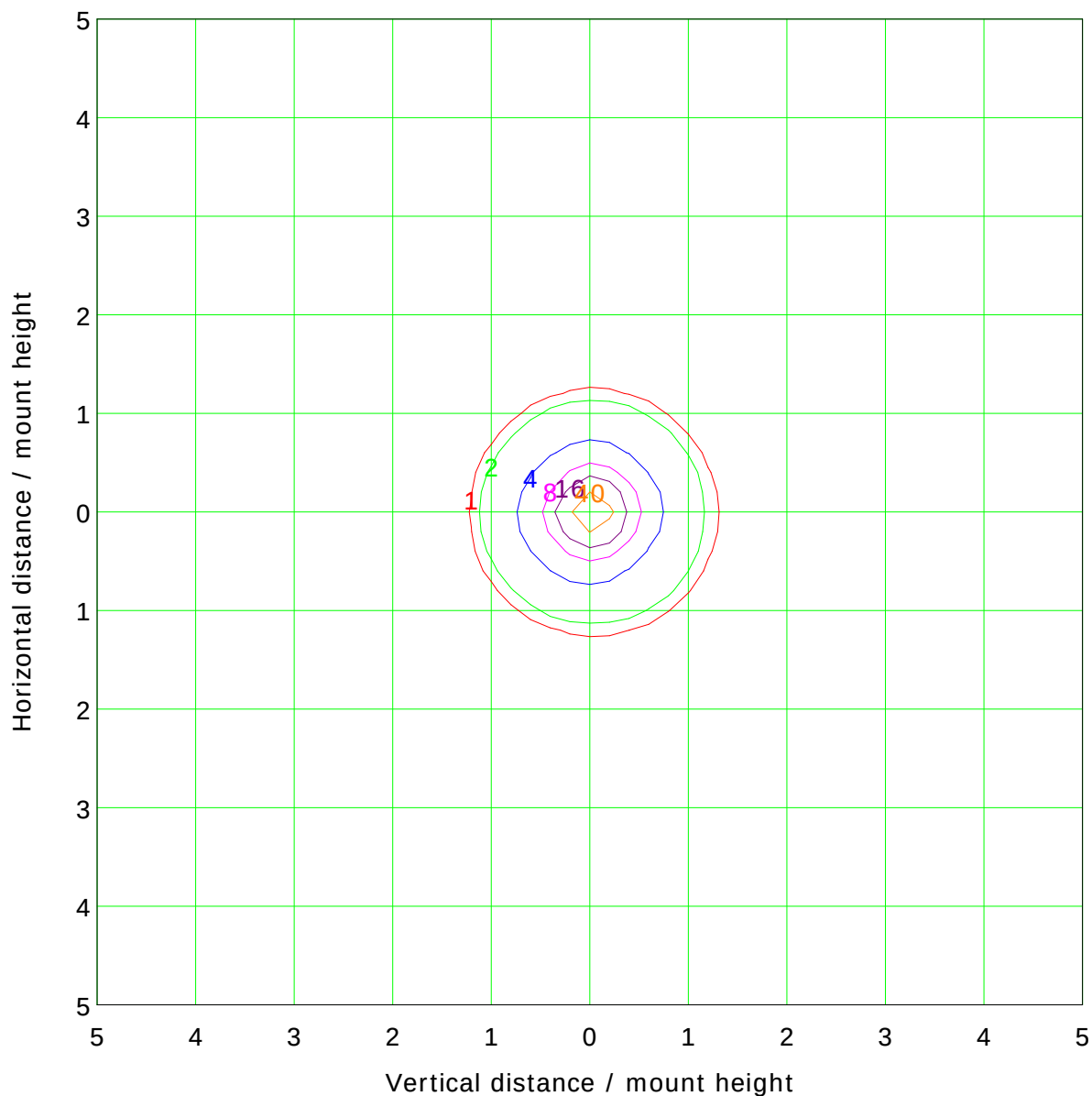
Test Device: GPM-1600

Distance: 7.517 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 79.5 lx

(1%): 0.8 lx	(2%): 1.6 lx
(5%): 4.0 lx	(10%): 8.0 lx
(20%): 15.9 lx	(50%): 39.8 lx
(100%): 79.5 lx	

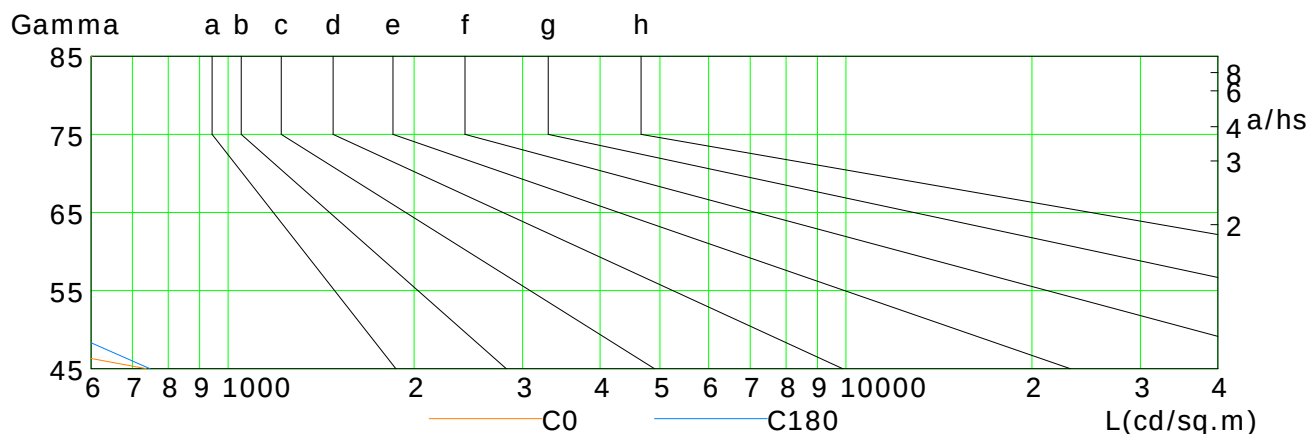
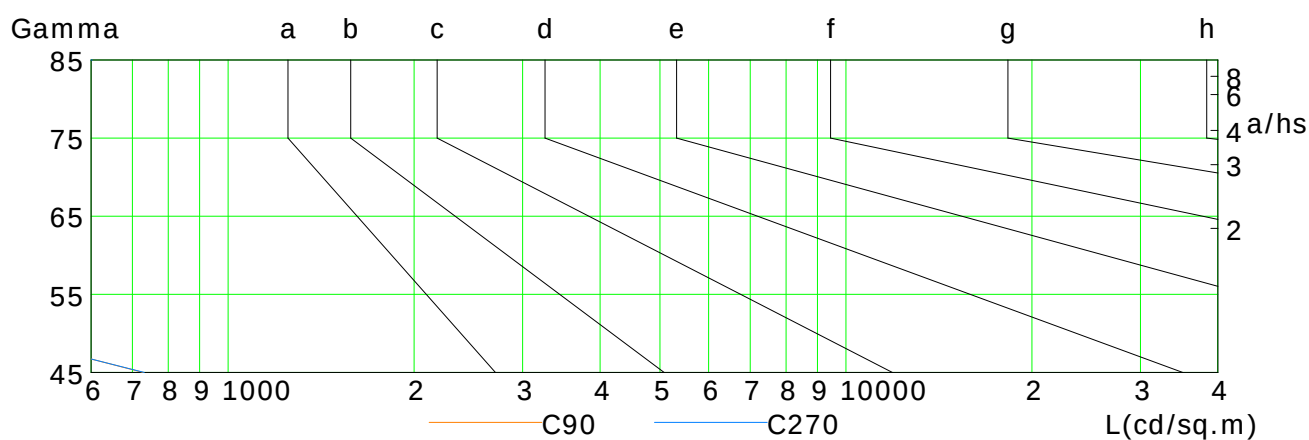
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

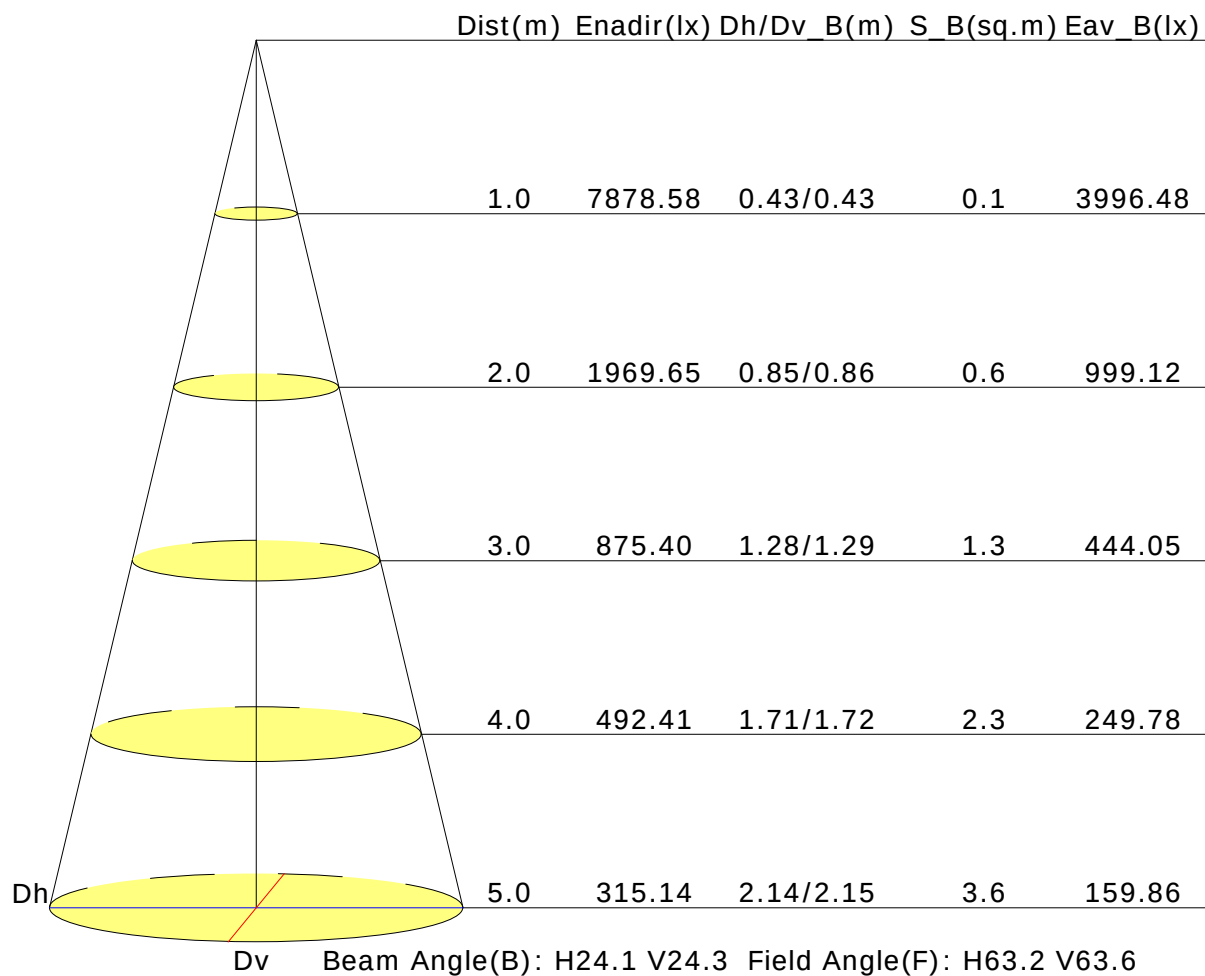


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	738	343	103	46	27	23	20	13	0
C90	729	418	119	56	27	23	20	14	3
C180	748	537	153	71	29	24	23	19	12
C270	732	415	121	56	27	24	21	14	0

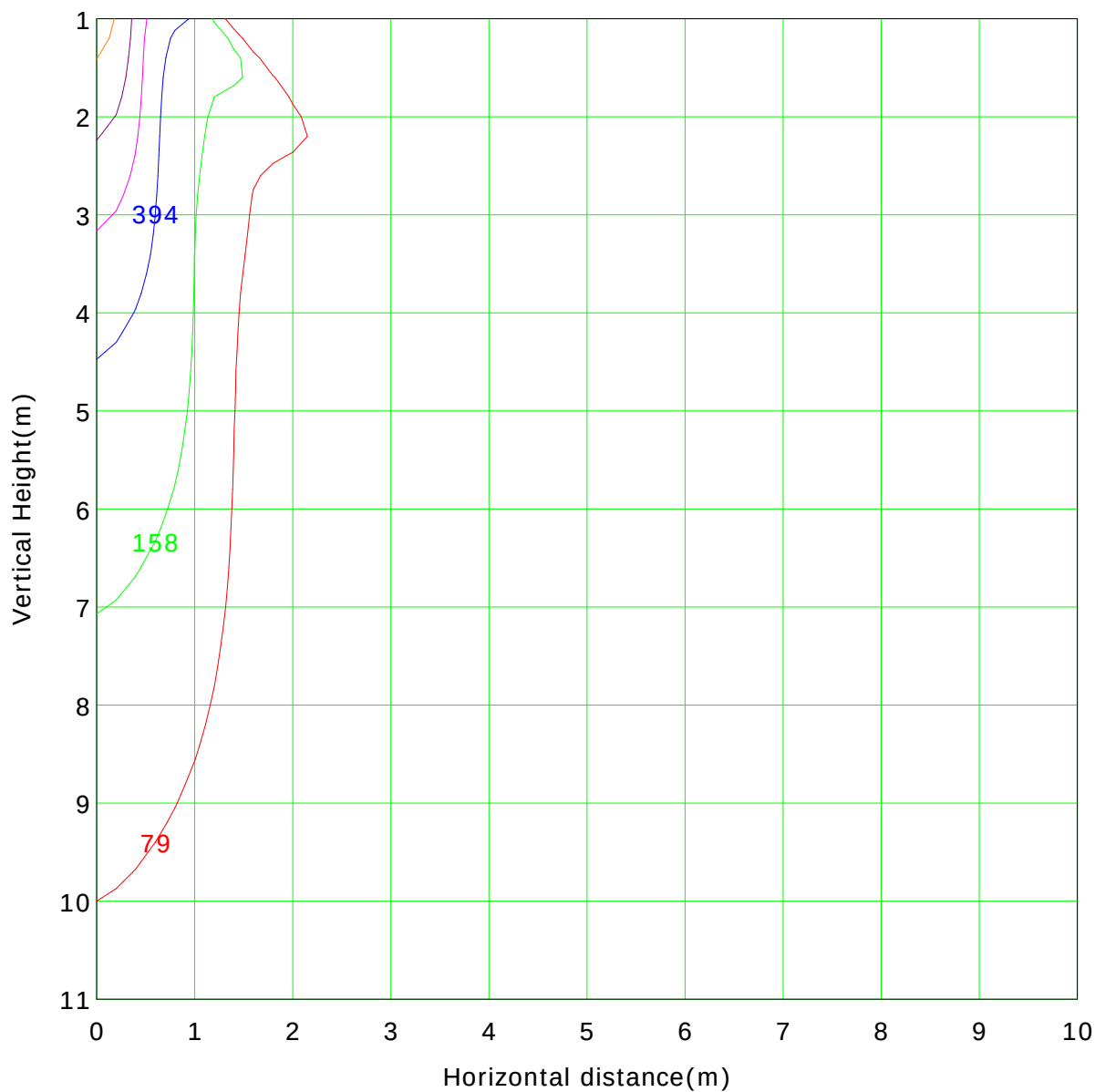
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 7878.6 lx

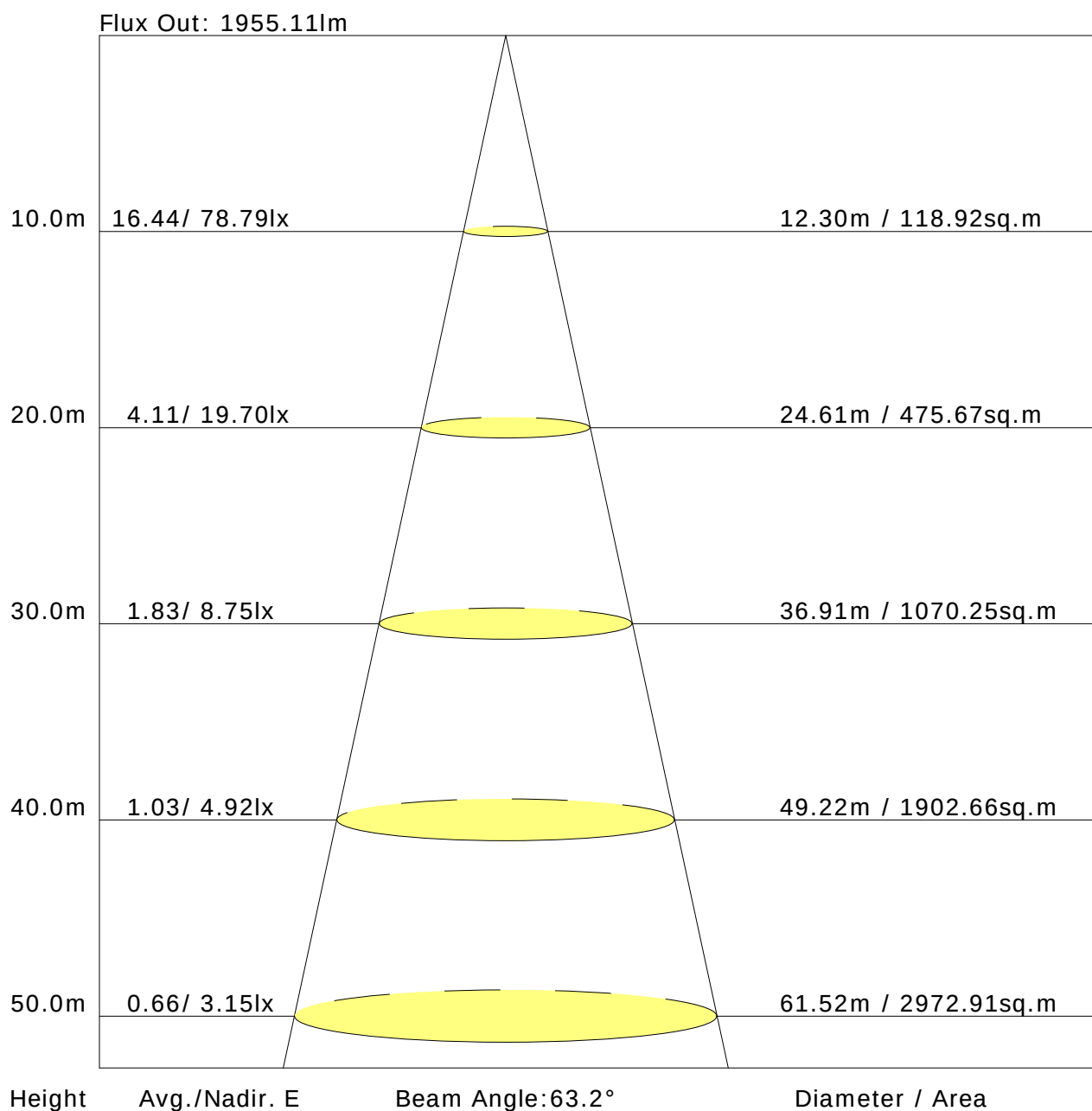
(1%): 78.8 lx	(2%): 157.6 lx
(5%): 393.9 lx	(10%): 787.9 lx
(20%):1575.7 lx	(50%):3939.3 lx
(100%):7878.6 lx	

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:



The Average Illuminance Effective Figure



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: