

Report No.: 1

Test Time: 29.01.2019 13:05

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 595x1200 0,6A 64W

Lamp Description: LED

Luminous Width (mm): 595

Voltage: 221.7 V

Power: 64.70 W

Luminous Length (mm): 1200

Luminous Height (mm): 35

Current: 0.300 A

Power Factor: 0.970

Photometric Results

CIE Class: Direct

Measurement Flux: 8177.4 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 158.2, 161.1, 152.4, 152.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 81.4, 84.0, 78.6, 79.3

Luminaire Efficacy Rating (LER): 126.44

Max. Intensity: 3982.67 cd

S/MH(C0/C180): 1.17

Total Rated Lamp Lumens: 8177.4 lm

Efficiency: 100%

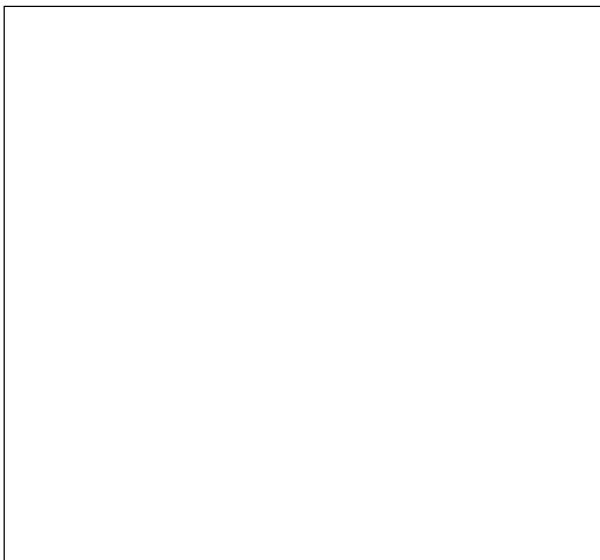
Upward Ratio: 1%

Central Intensity: 3982.67 cd

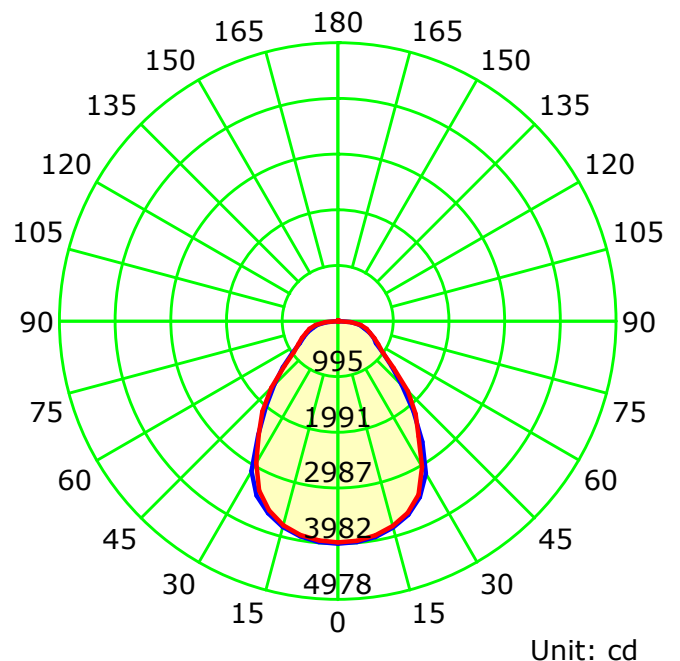
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.13

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

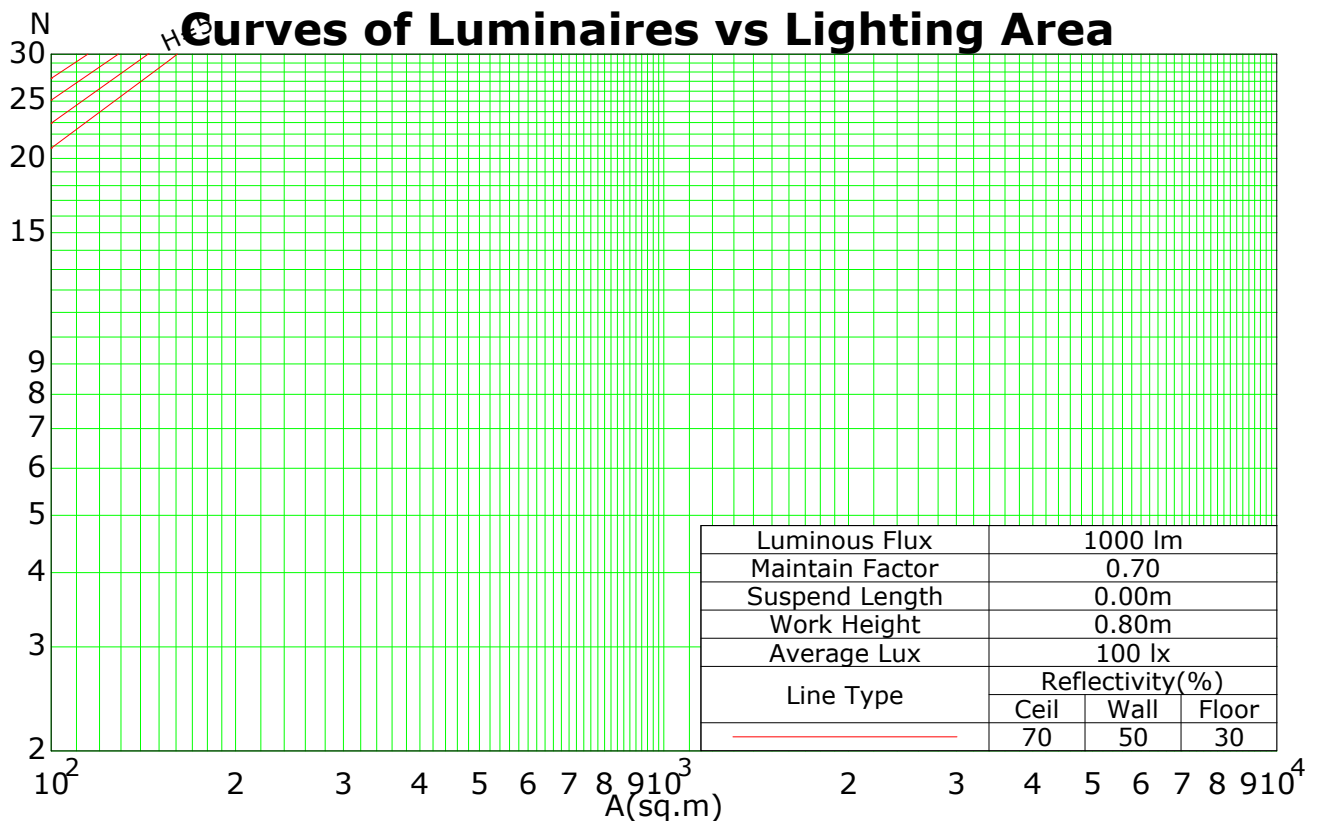
Humidity:

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	101	101	101	99
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	90	88	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	83	75	69	90	81	74	69	78	72	67	75	70	66	73	69	65	63
4	85	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	42	51	45	41	39
8	64	52	44	38	63	51	44	38	50	43	38	49	42	38	47	42	37	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

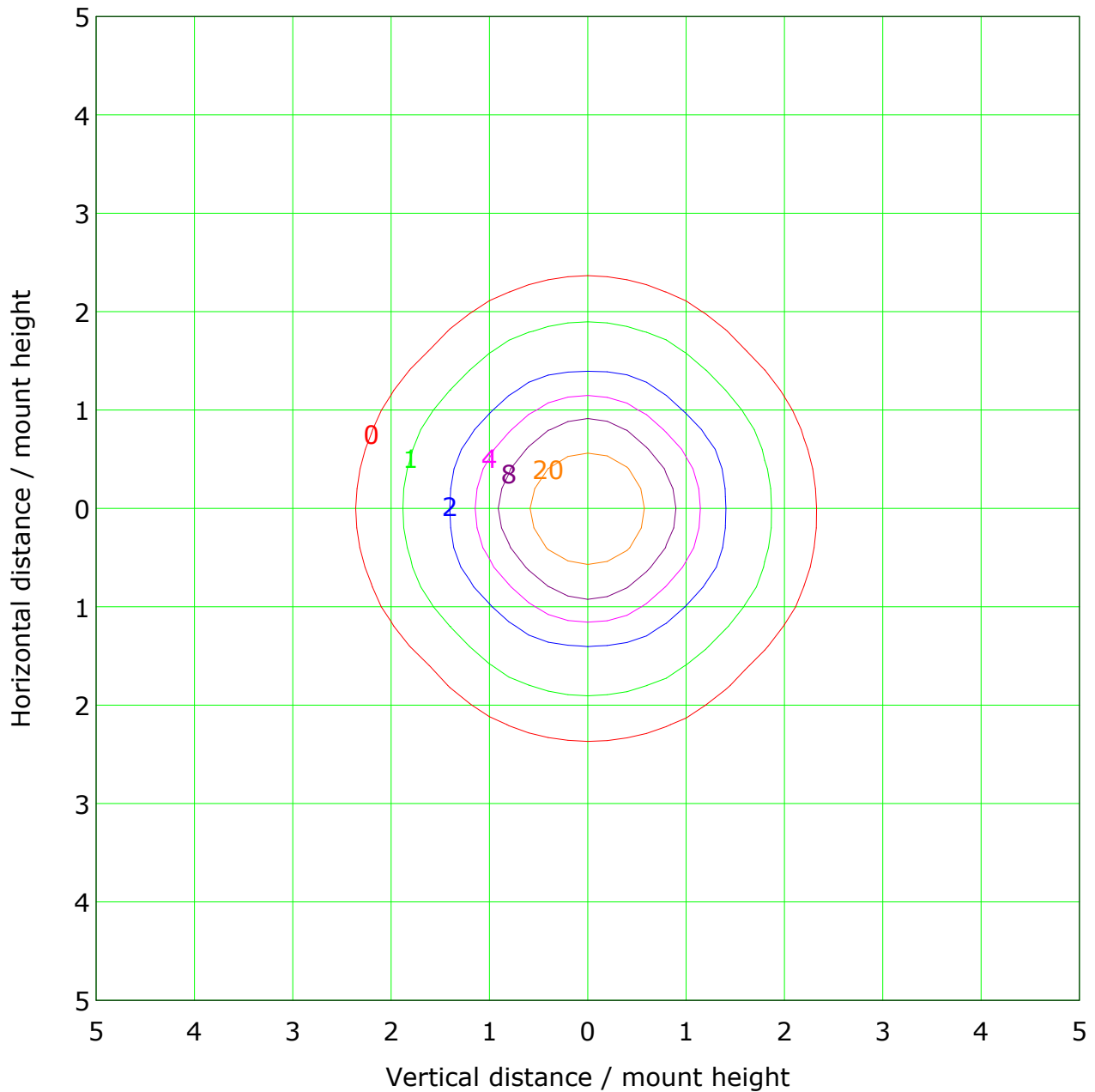
Spacing Criteria (0-180): 1.17
 Spacing Criteria (90-270): 1.13
 Spacing Criteria (Diagonal): 1.13



C Plane (°):0.0-360.0: 22.5
 Test Lab:
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 Test Device: LSG-1800B
 Distance: 12.654 m
 Humidity:
 Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 39.8 lx

(1%): 0.4 lx	(2%): 0.8 lx
(5%): 2.0 lx	(10%): 4.0 lx
(20%): 8.0 lx	(50%): 19.9 lx
(100%): 39.8 lx	

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: LSG-1800B

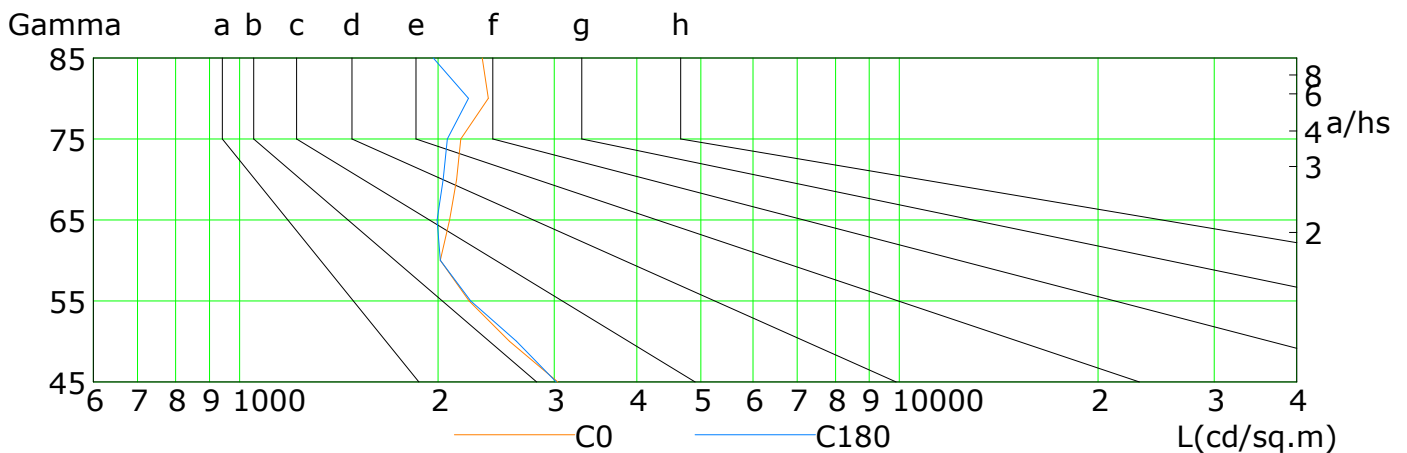
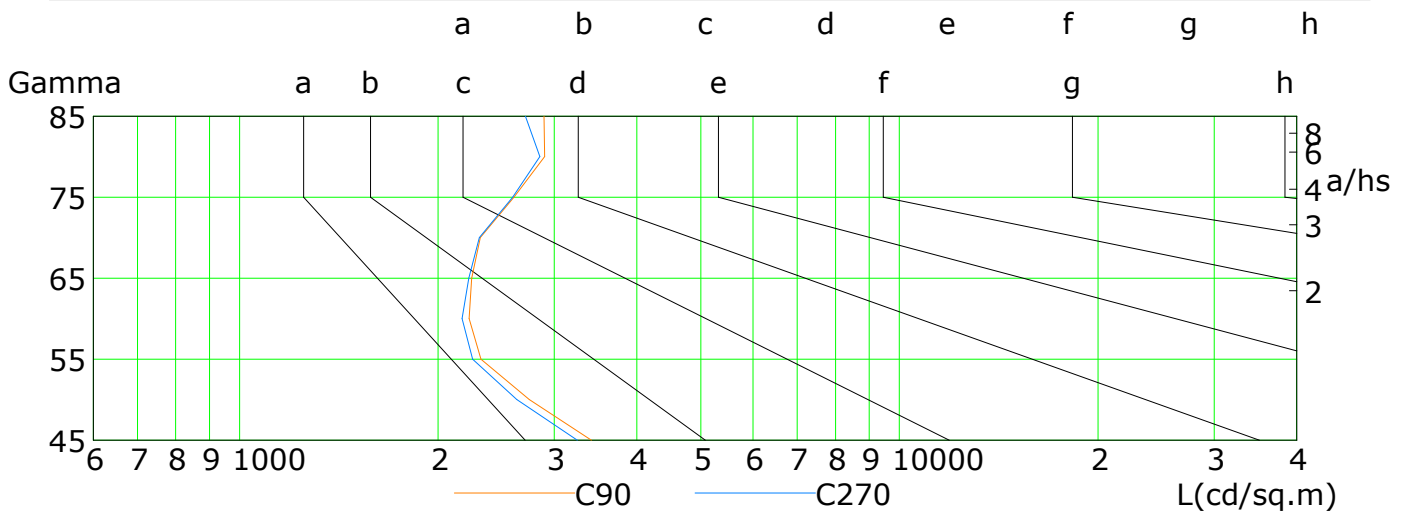
Distance: 12.654 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3037	2564	2227	2014	2081	2134	2165	2383	2333
C90	3415	2747	2322	2227	2247	2317	2604	2898	2894
C180	3020	2627	2240	2014	1992	2034	2065	2224	1967
C270	3250	2631	2256	2174	2225	2308	2593	2852	2713

C Plane (°):0.0-360.0: 22.5

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Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

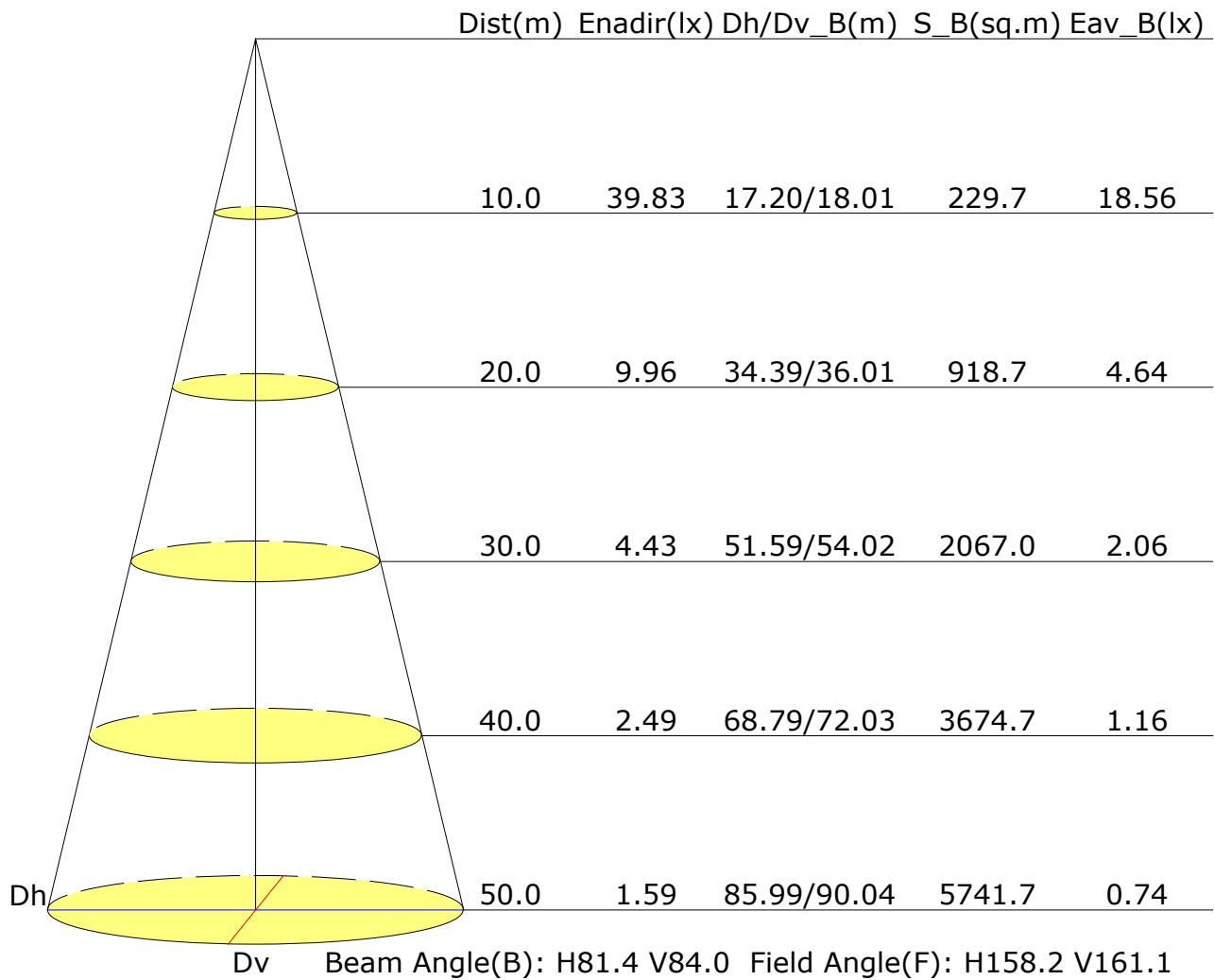
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

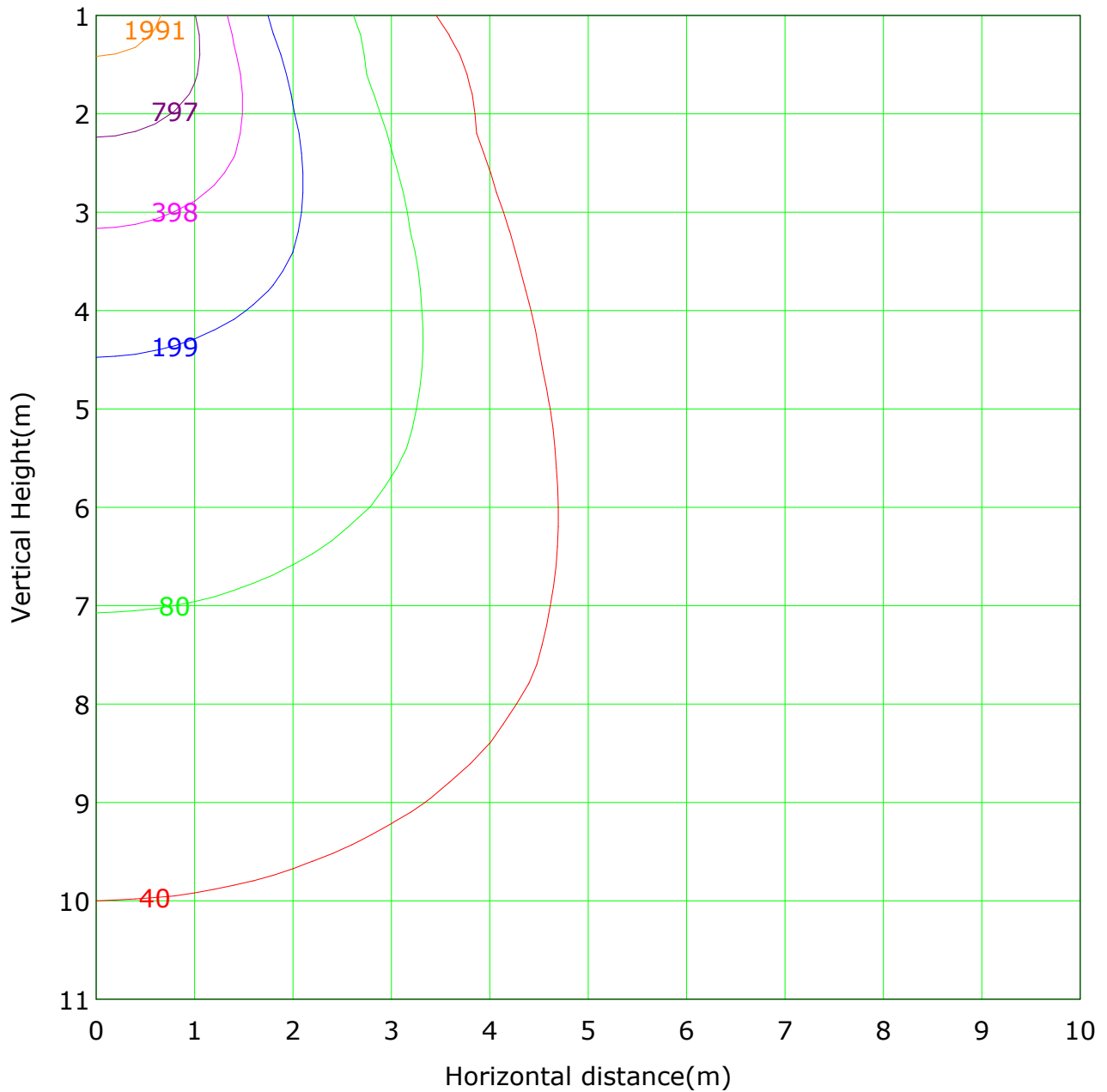
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3982.7 lx

(1%): 39.8 lx	(2%): 79.7 lx
(5%): 199.1 lx	(10%): 398.3 lx
(20%): 796.5 lx	(50%): 1991.3 lx
(100%): 3982.7 lx	

C Plane (°): 0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-180.0: 5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	4098	50.1
FL (0°-30°)	1510	18.5
FM (30°-60°)	1892	23.1
FH (60°-80°)	590	7.2
FVH (80°-90°)	105	1.3
BACK LIGHT	4030	49.3
BL (0°-30°)	1497	18.3
BM (30°-60°)	1851	22.6
BH (60°-80°)	582	7.1
BVH (80°-90°)	100	1.2
UP LIGHT	49	0.6
UL (90°-100°)	7	0.1
UH (100°-180°)	42	0.5
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U2 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U2 G1

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