

Report No.: T2019098A

Test Time: 2019-08-29 19:07

Luminaire Property

Luminaire Category: LED BULB LAMP
 Luminaire Manufacturer: TITANIC
 Lamp Description: Bridgelux 2835
 Lumens per Lamp: 327
 Luminous Width (mm):
 Voltage: 48.1 V
 Power: 4.70 W

Luminaire Description: LPE-9402N
 Lamp Catalog: LED
 Number of Lamps: 1
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.098 A
 Power Factor: 1.000

Photometric Results

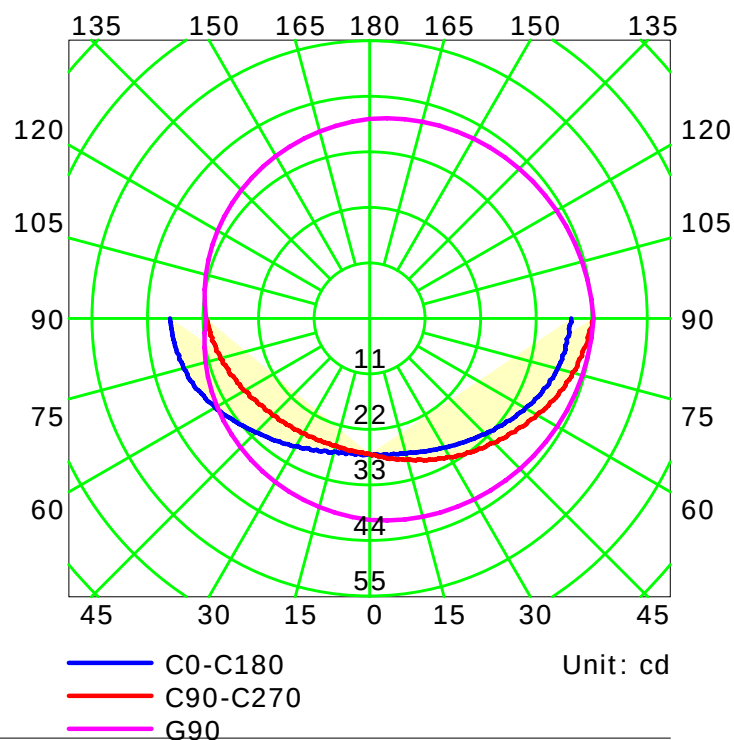
CIE Class: Direct
 Measurement Flux: 213.6 lm
 Downward Ratio: 65.31%
 Luminaire Efficacy Rating (LER): 45
 Max. Intensity: 44.37 cd

Total Rated Lamp Lumens: 327.0 lm
 Efficiency: 65.31%
 Upward Ratio: 0.00%
 Central Intensity: 26.87 cd
 Pos of Max. Intensity: H90 V90

Picture Of Luminaire



Luminous Intensity Distribution Curve



Test Lab: TITANIC
 Test Type: TYPE C
 Temperature: 25.9
 Operator: WU MEI YING

Test Device: GPM-1800
 Distance: 9.983 m
 Humidity: 58
 Inspector:

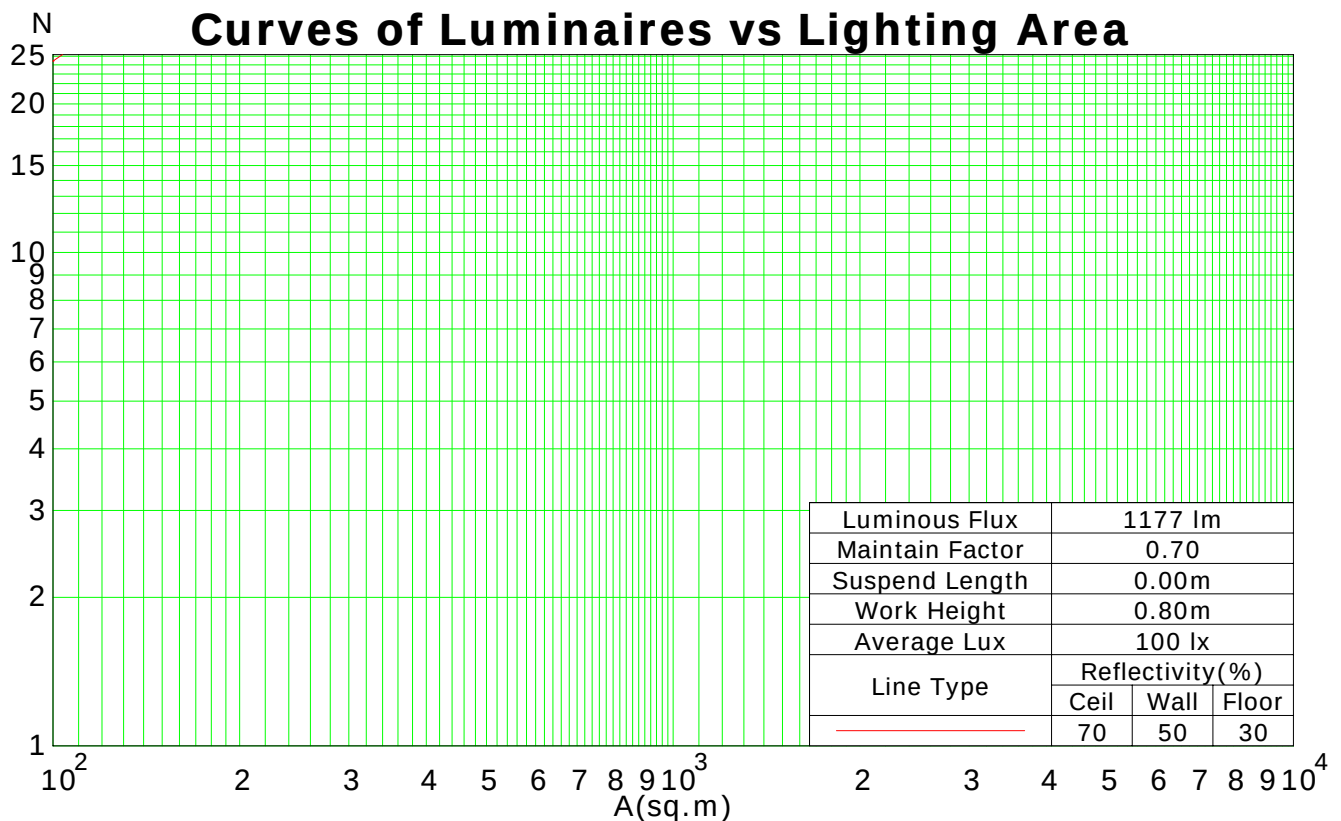
Coefficients Of Utilization - Zonal Cavity Method

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	78	78	78	78	76	76	76	76	73	73	73	69	69	69	67	67	67	65
1	65	59	54	49	63	57	53	48	54	50	47	52	48	45	49	46	44	42
2	57	48	41	36	55	47	41	35	44	39	34	42	37	33	40	36	32	31
3	50	41	33	27	49	40	33	27	37	31	26	35	30	26	33	29	25	23
4	46	35	27	22	44	34	27	21	32	26	21	31	25	21	29	24	20	19
5	41	31	23	18	40	30	23	18	28	22	17	27	21	17	26	21	17	15
6	38	27	20	15	37	27	20	15	25	19	15	24	19	14	23	18	14	13
7	35	24	18	13	34	24	17	13	23	17	13	22	16	12	21	16	12	11
8	33	22	16	11	31	22	15	11	21	15	11	20	15	11	19	14	11	9
9	30	20	14	10	29	20	14	10	19	14	10	18	13	10	17	13	10	8
10	28	19	13	9	27	18	13	9	17	12	9	17	12	9	16	12	9	7

Spacing Criteria (0-180): 1.74

Spacing Criteria (90-270): 1.70

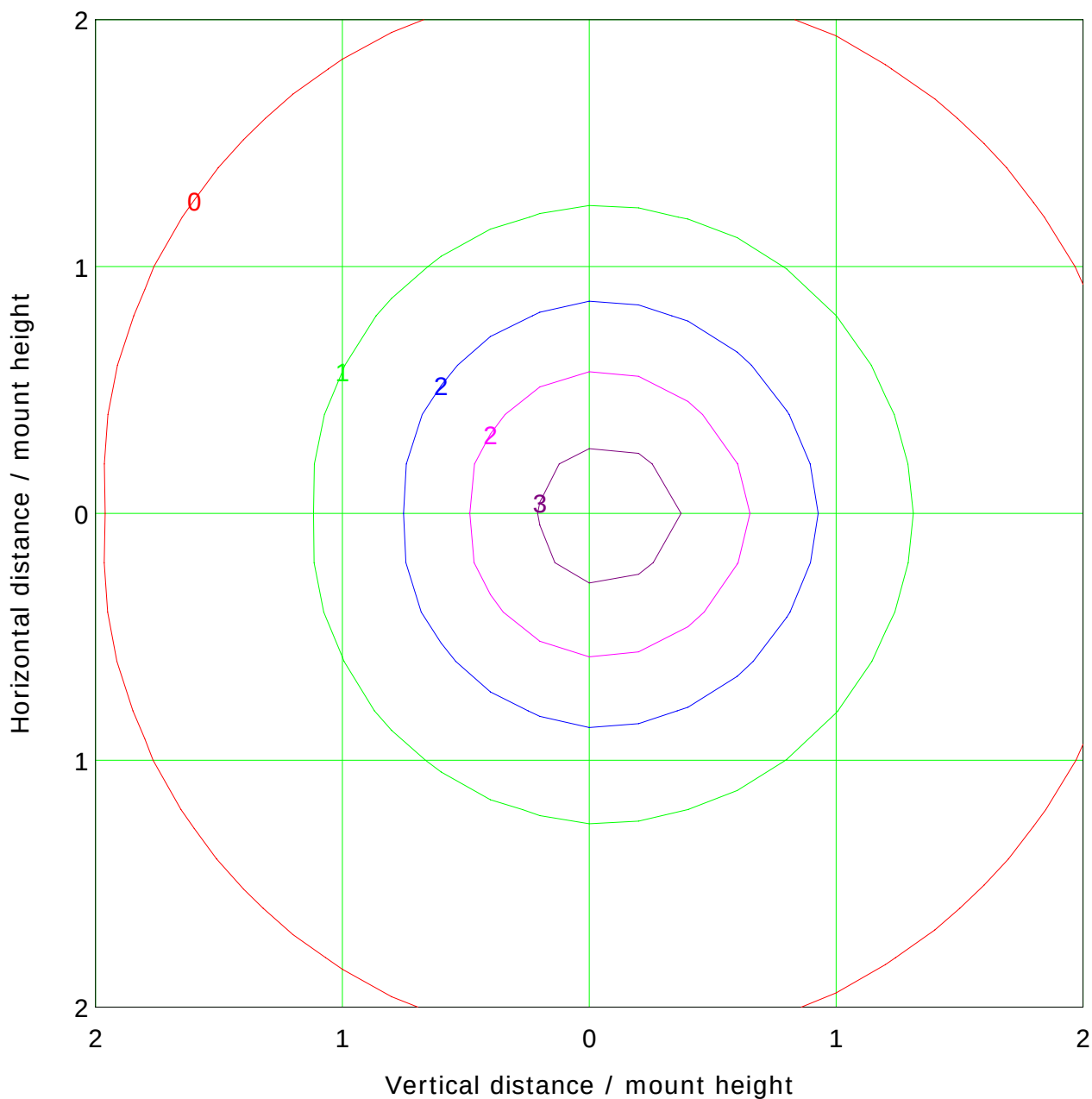
Spacing Criteria (Diagonal): 1.95



Test Lab: TITANIC
 Test Type: TYPE C
 Temperature: 25.9
 Operator: WU MEI YING

Test Device: GPM-1800
 Distance: 9.983 m
 Humidity: 58
 Inspector:

IsoLux Plot



Mounting Height: 3m Max Lux(100%): 3 lx

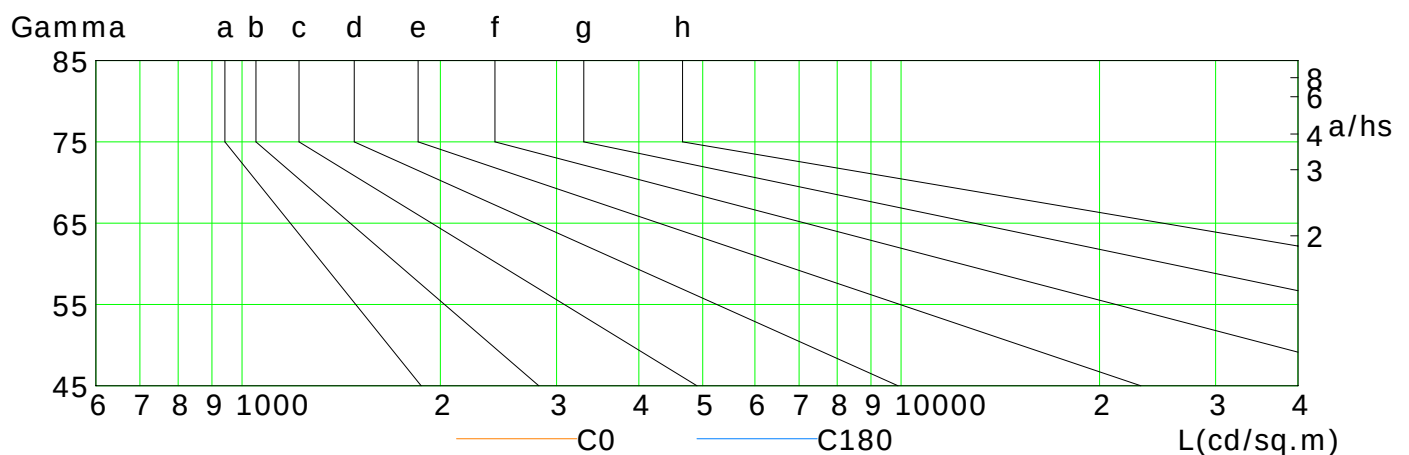
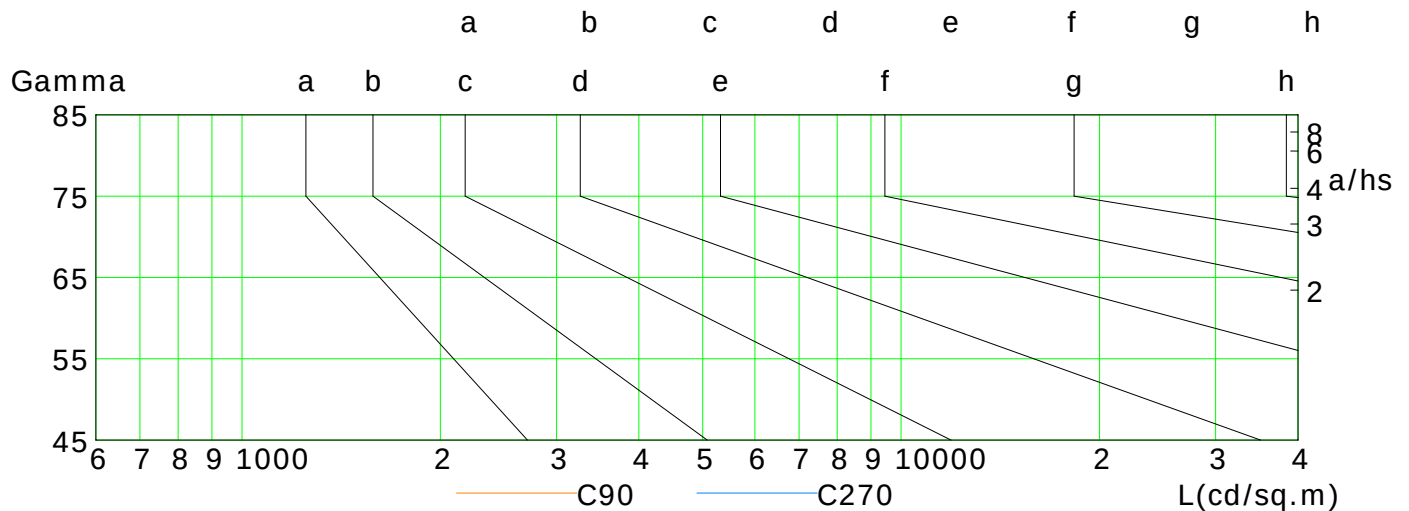
— (10%):	0 lx	— (30%):	1 lx
— (50%):	2 lx	— (70%):	2 lx
— (90%):	3 lx		

Test Lab: TITANIC
 Test Type: TYPE C
 Temperature: 25.9
 Operator: WU MEI YING

Test Device: GPM-1800
 Distance: 9.983 m
 Humidity: 58
 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	32	33	35	36	37	38	39	39	40
C90	35	36	37	38	39	41	42	43	43
C180	32	33	34	35	36	37	38	39	39
C270	27	27	28	29	29	30	31	31	32

Test Lab: TITANIC
 Test Type: TYPE C
 Temperature: 25.9
 Operator: WU MEI YING

Test Device: GPM-1800
 Distance: 9.983 m
 Humidity: 58
 Inspector:

Illuminance at a Distance

