

Report No.: T20161044A

Test Time: 2016-10-12 12:39

## Luminaire Property

Luminaire Category: LED RECESSED LIGHT

Luminaire Manufacturer: TITANIC

Lamp Description: CXA1310-3000K-K4

Lumens per Lamp: 1258

Luminous Width (mm): 140.5

Voltage: 36.5 V

Power: 12.50 W

Luminaire Description: LBE-9121S

Lamp Catalog: LED

Number of Lamps: 1

Luminous Length (mm): 140.5

Luminous Height (mm): 81

Current: 0.341 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 936.3 lm

Downward Ratio: 74.43%

Luminaire Efficacy Rating (LER): 75

Max. Intensity: 28185.57 cd

Total Rated Lamp Lumens: 1258.0 lm

Efficiency: 74.43%

Upward Ratio: 0.00%

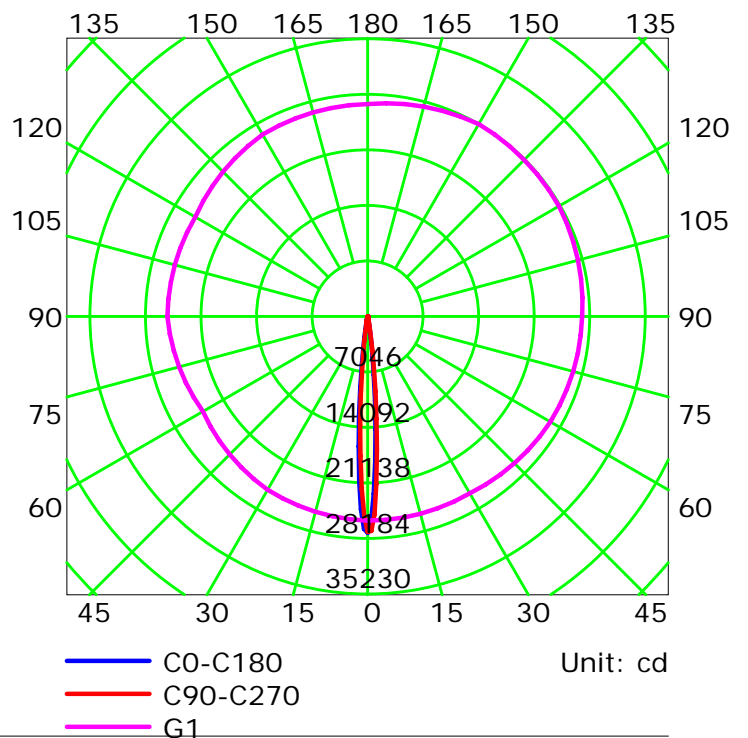
Central Intensity: 27469.15 cd

Pos of Max. Intensity: H150 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Test Lab: TITANIC

Test Type: TYPE C

Temperature: 26

Operator: Guang Zhi Chen

Test Device: GPM-1800

Distance: 10.150 m

Humidity: 47

Inspector:

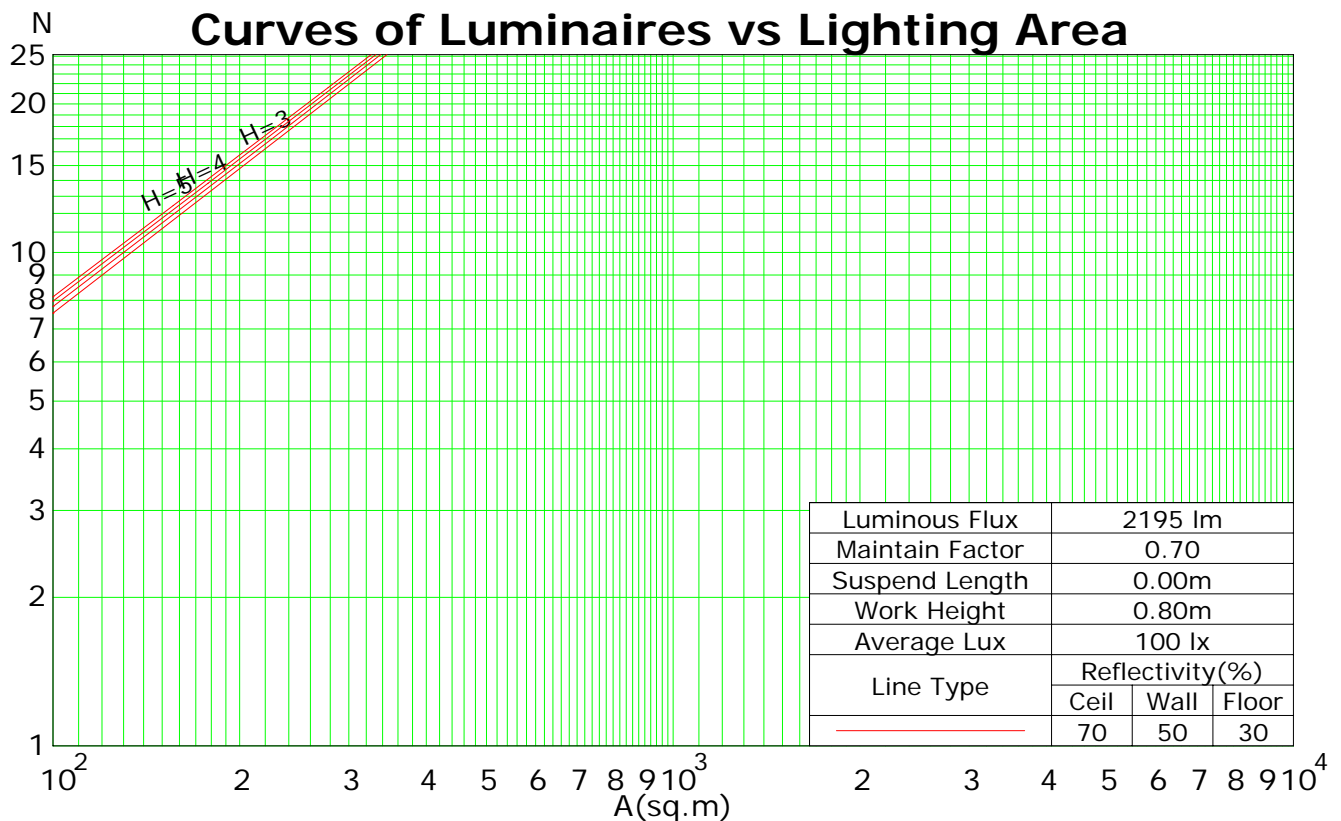
## Coefficients Of Utilization - Zonal Cavity Method

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	89	89	89	89	87	87	87	87	83	83	83	79	79	79	76	76	76	74
1	87	85	84	83	85	84	83	82	81	80	80	78	78	77	76	75	75	74
2	85	83	81	80	83	82	80	79	79	78	77	77	77	76	75	75	74	73
3	83	81	79	78	82	80	78	77	78	77	76	77	76	75	75	74	74	73
4	82	79	77	76	81	79	77	75	77	76	74	76	75	74	75	74	73	72
5	81	78	76	74	80	77	75	74	76	75	74	75	74	73	74	73	72	72
6	80	77	75	73	79	76	74	73	75	74	73	75	73	72	74	73	72	71
7	79	76	74	72	78	75	74	72	75	73	72	74	73	72	73	72	71	71
8	78	75	73	72	77	75	73	72	74	73	71	74	72	71	73	72	71	70
9	77	74	72	71	77	74	72	71	73	72	71	73	72	71	73	71	71	70
10	76	74	72	71	76	73	72	71	73	71	70	73	71	70	72	71	70	70

Spacing Criteria (0-180): 0.15

Spacing Criteria (90-270): 0.15

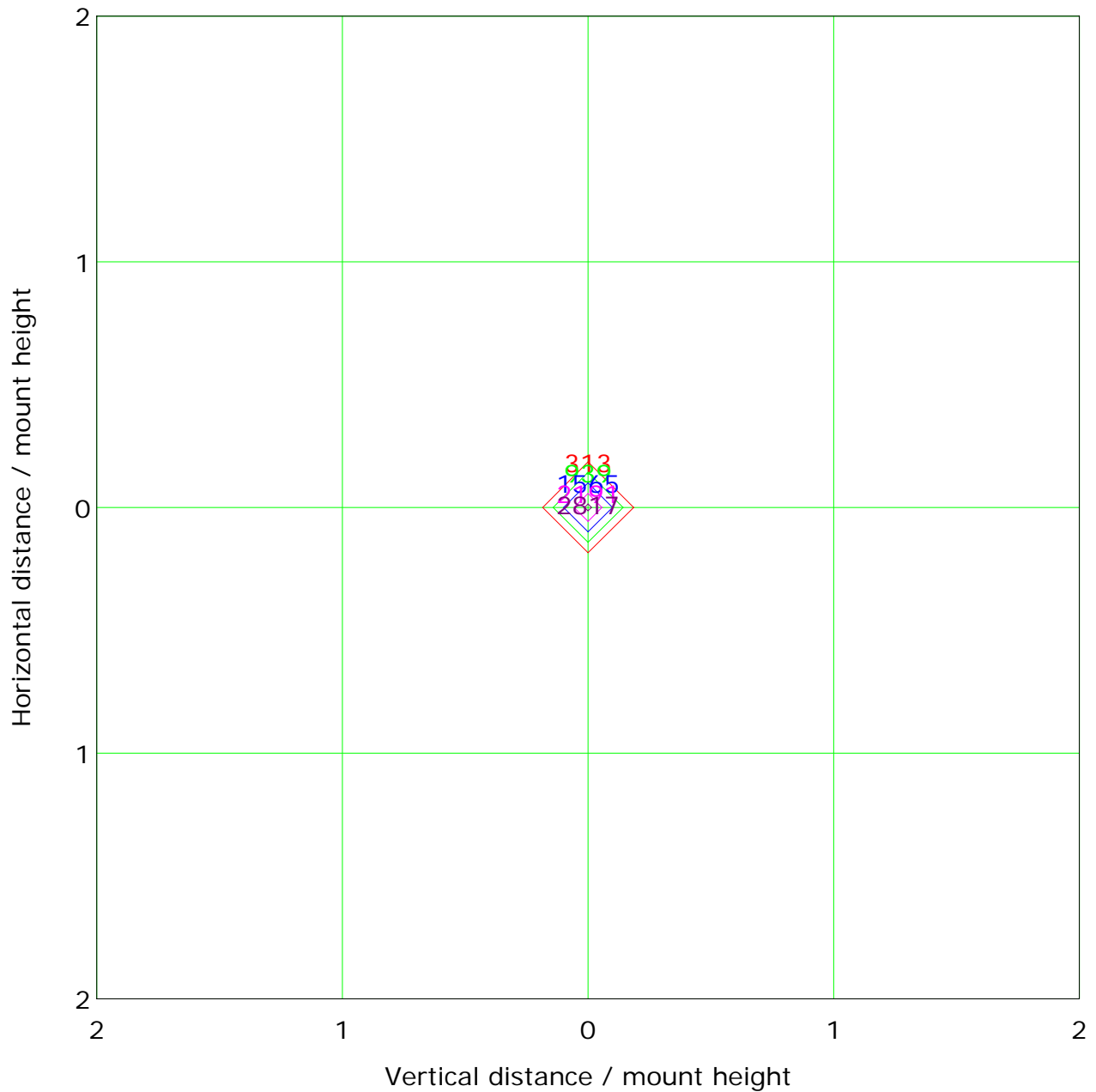
Spacing Criteria (Diagonal): 0.16



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## IsoLux Plot



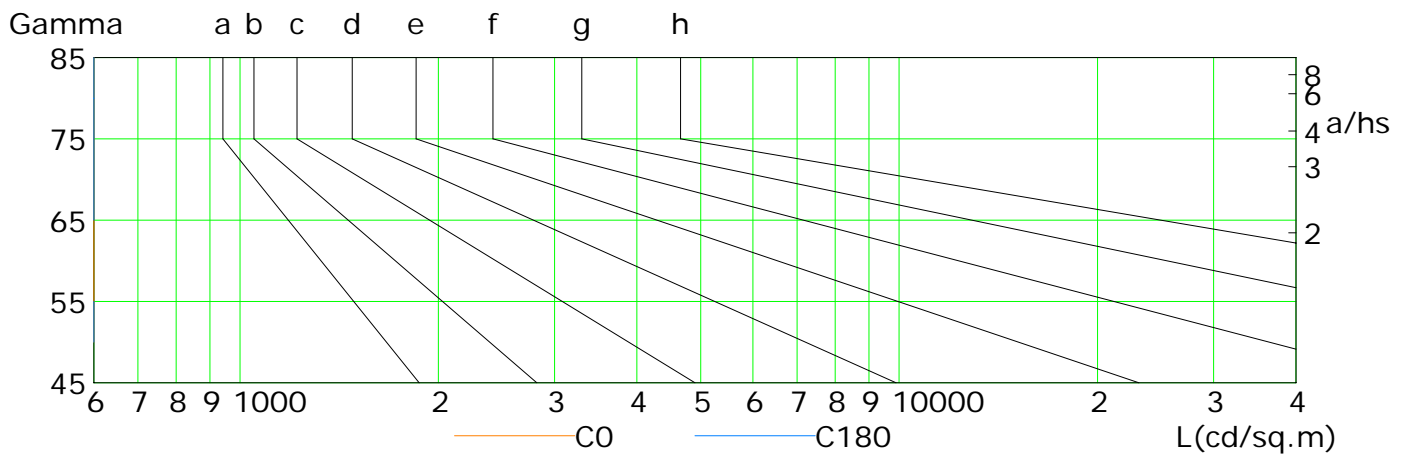
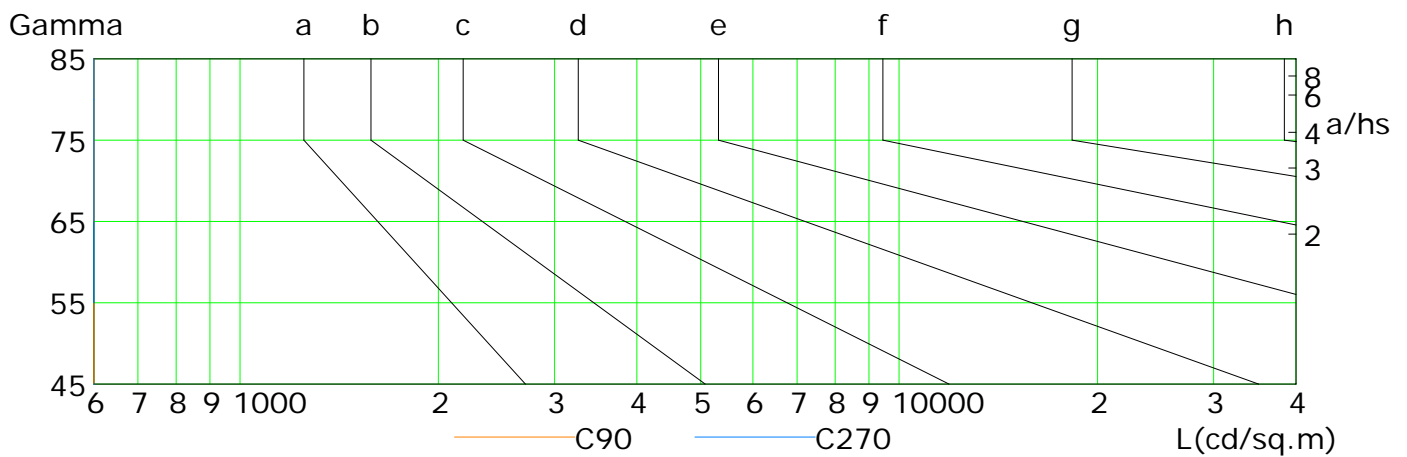
Mounting Height: 3m Max Lux(100%): 3130 lx

( 10%): 313 lx	( 30%): 939 lx
( 50%): 1565 lx	( 70%): 2191 lx
( 90%): 2817 lx	

## 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	68	0	0	0	0	0	0	0	0
C90	0	0	0	38	0	0	0	0	0
C180	34	0	0	38	0	0	0	0	0
C270	0	35	0	0	0	0	0	0	0

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## Illuminance at a Distance

