

Report No.: 20170802A

Test Time: 2017-08-03 16:59

Luminaire Property

Luminaire Category: LED RECESSED LIGHT
Luminaire Manufacturer: Astro
Lamp Description: CXA1512-2700K
Lumens per Lamp: 781
Luminous Width (mm): -54
Voltage: 17.9 V
Power: 6.10 W

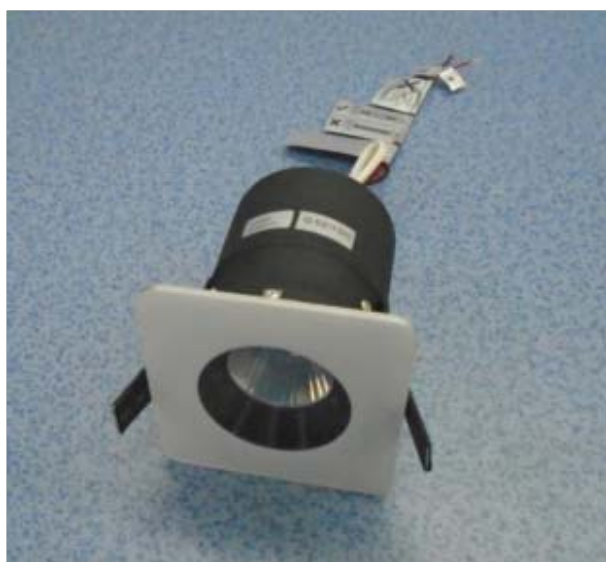
Luminaire Description: 5731
Lamp Catalog: LED
Number of Lamps: 1
Luminous Length (mm): -54
Luminous Height (mm): 37
Current: 0.340 A
Power Factor: 1.000

Photometric Results

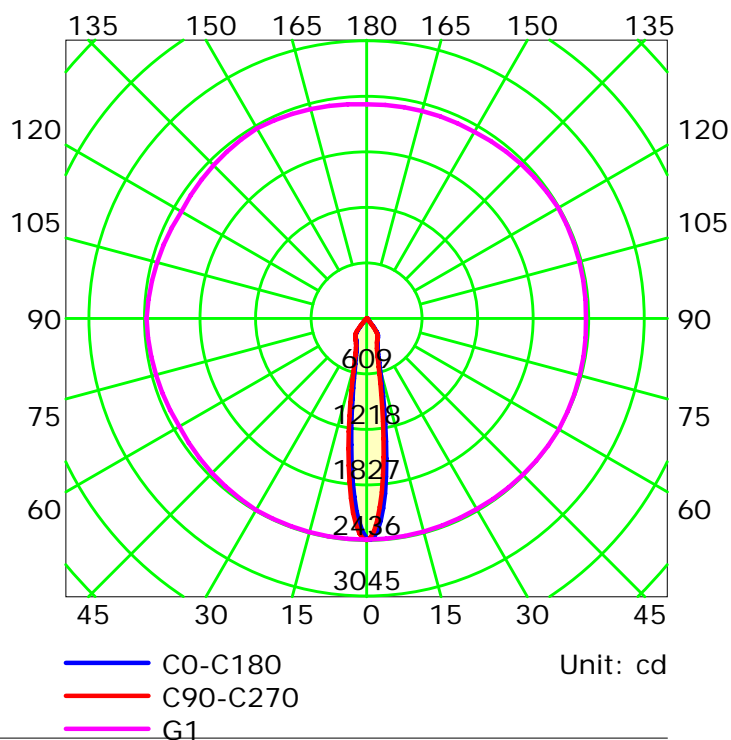
CIE Class: Direct
Measurement Flux: 581.1 lm
Downward Ratio: 74.40%
Luminaire Efficacy Rating (LER): 95
Max. Intensity: 2434.08 cd

Total Rated Lamp Lumens: 781.0 lm
Efficiency: 74.40%
Upward Ratio: 0.00%
Central Intensity: 2408.66 cd
Pos of Max. Intensity: H60 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



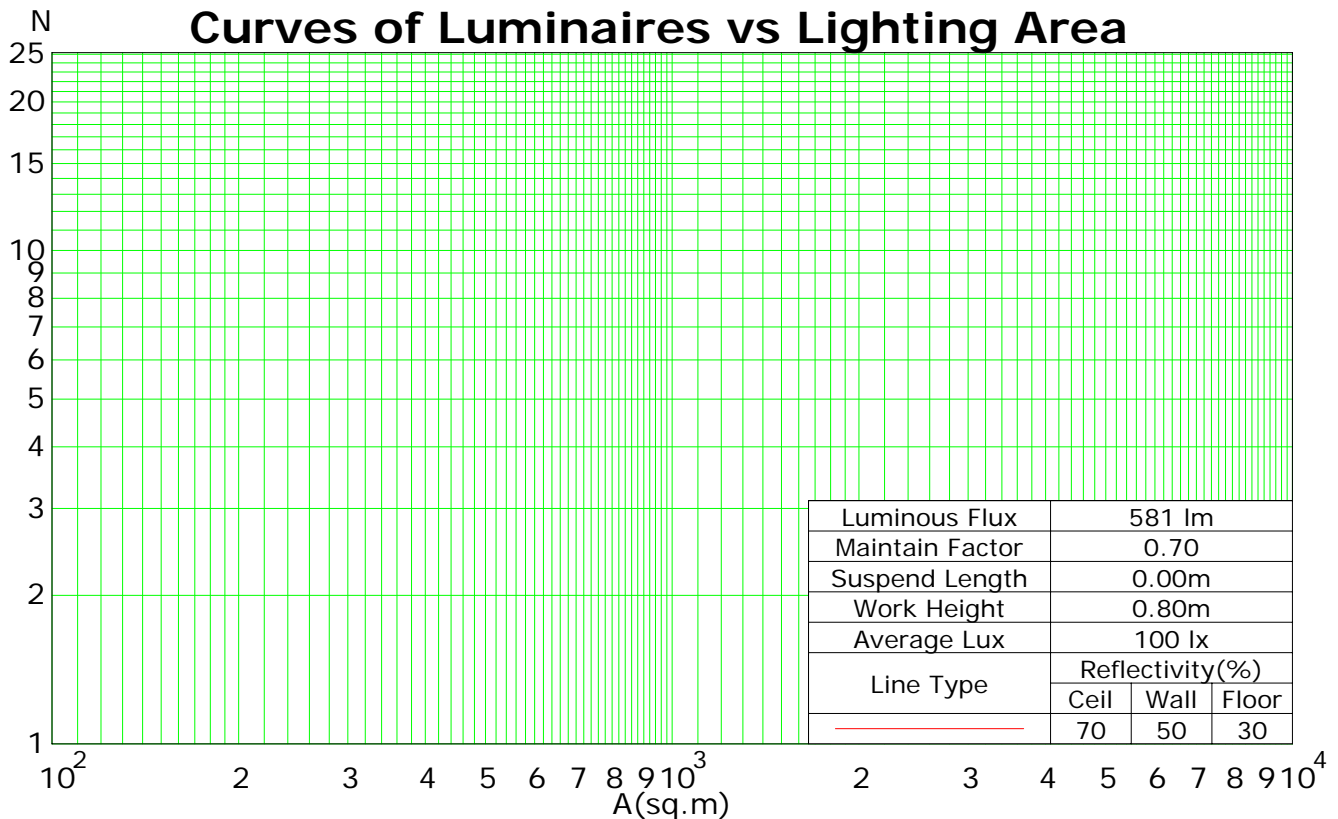
Test Lab: Astro
Test Type: TYPE C
Temperature: 25
Operator:

Test Device: GPM-1800
Distance: 10.098 m
Humidity: 52
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	85	83	81	80	83	81	80	79	78	77	76	76	75	74	73	72	72	70
2	81	78	75	73	80	77	74	72	74	72	71	72	70	69	70	69	68	66
3	78	73	70	67	76	72	69	67	70	68	66	69	67	65	67	65	64	63
4	74	69	66	63	73	69	65	63	67	64	62	66	63	61	64	62	60	59
5	71	66	62	59	70	65	61	59	64	61	58	63	60	58	62	59	57	56
6	68	62	59	56	67	62	58	56	61	58	55	60	57	55	59	56	54	54
7	66	60	56	53	65	59	55	53	58	55	52	57	54	52	57	54	52	51
8	63	57	53	50	62	56	53	50	56	52	50	55	52	50	54	52	50	49
9	61	54	51	48	60	54	50	48	53	50	48	53	50	48	52	50	47	47
10	59	52	48	46	58	52	48	46	51	48	46	51	48	46	50	48	46	45

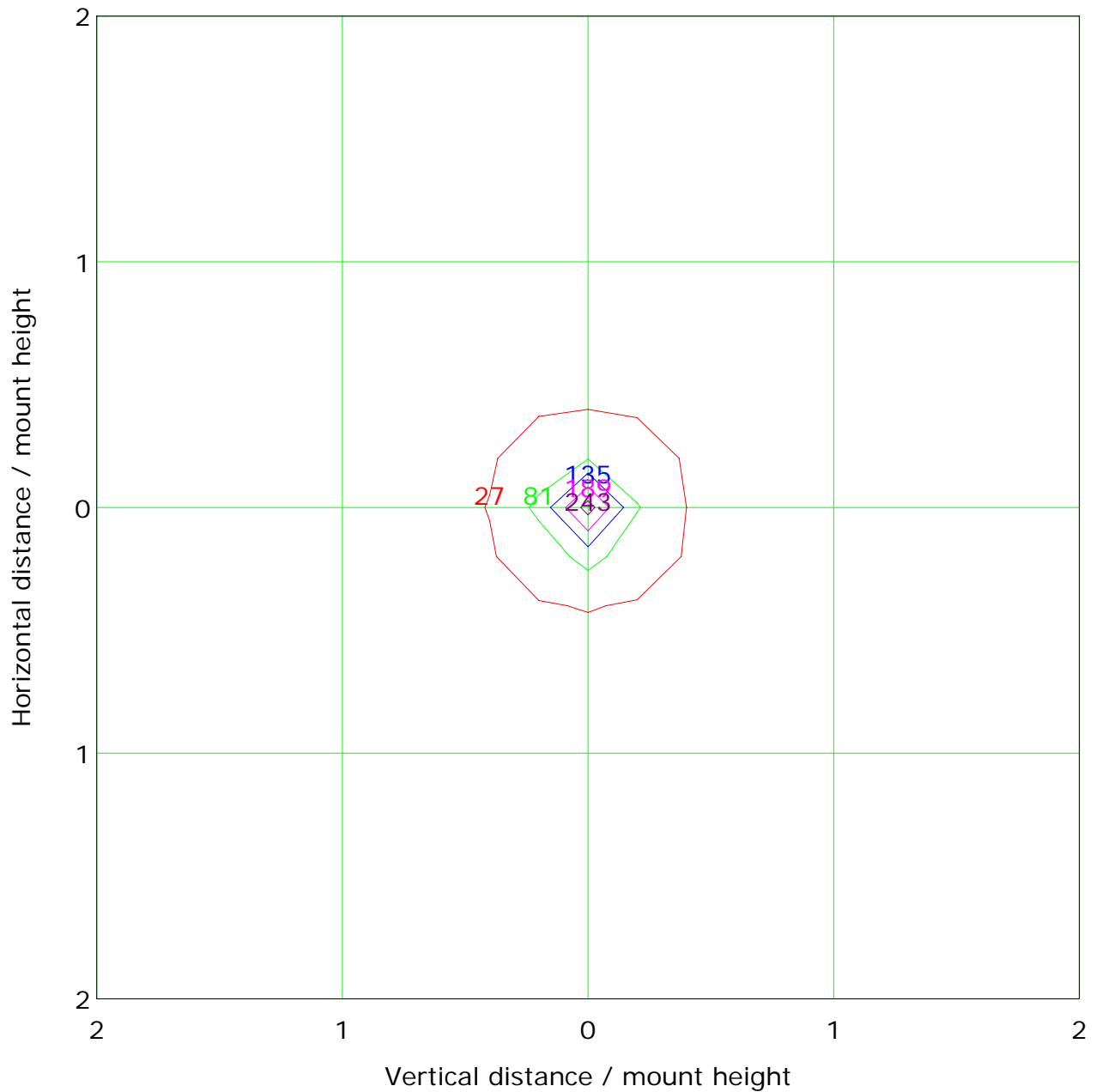
Spacing Criteria (0-180): 0.31
Spacing Criteria (90-270): 0.31
Spacing Criteria (Diagonal): 0.33



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IsoLux Plot

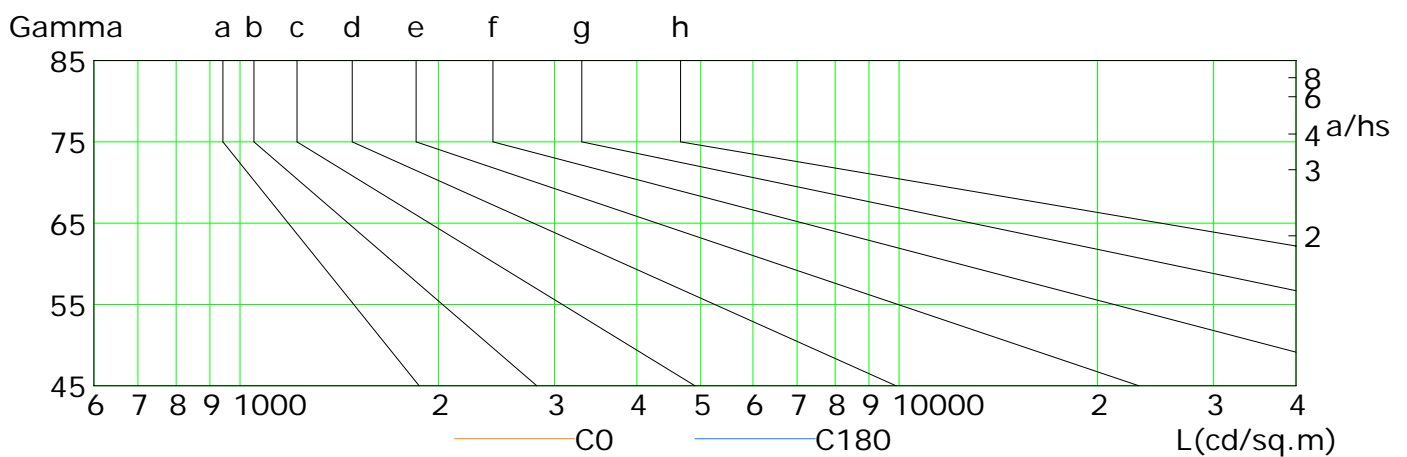
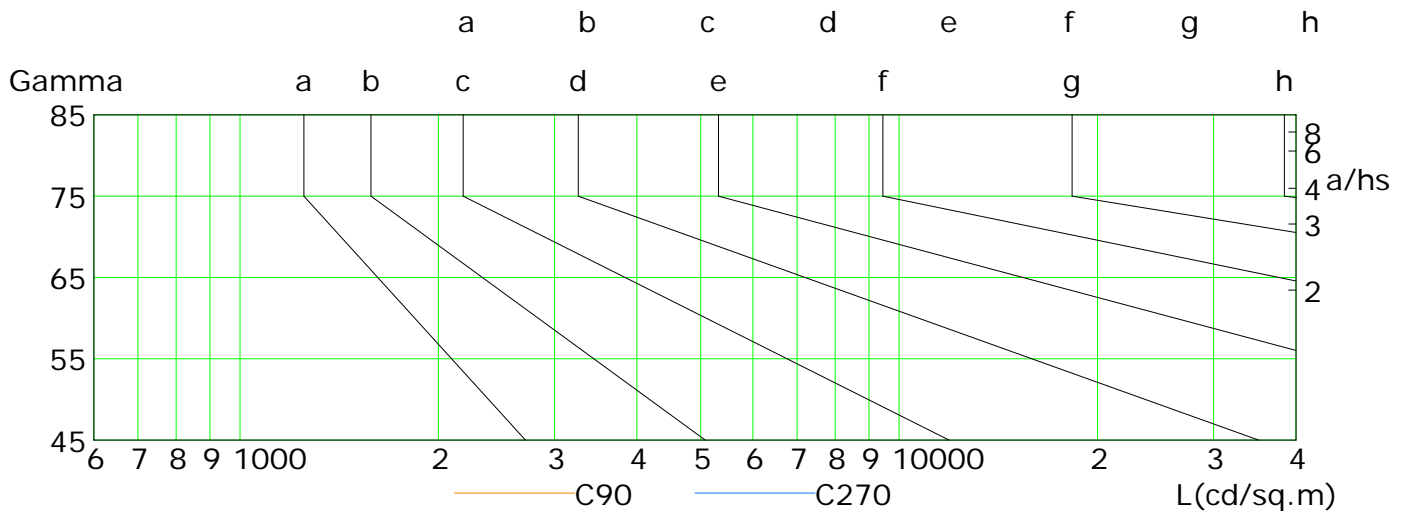


Mounting Height: 3m Max Lux(100%): 270 lx

(10%):	27 lx	(30%):	81 lx
(50%):	135 lx	(70%):	189 lx
(90%):	243 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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	24	11	5	4	3	2	1	1	1
C90	22	10	5	4	3	2	1	1	0
C180	20	9	5	4	3	2	1	1	0
C270	23	10	5	4	3	2	1	1	0

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Illuminance at a Distance

