

astro

PHOTOMETRIC
TEST REPORT

Report No.: 20170808A

Test Time: 2017-08-25 14:03

Luminaire Property

Luminaire Category: LED TRACK LIGHT
 Luminaire Manufacturer: Astro
 Lamp Description: Lumens EDC_38C_8W
 Lumens per Lamp: 649
 Luminous Width (mm): -47
 Voltage: 229.1 V
 Power: 7.70 W

Luminaire Description: 6162
 Lamp Catalog: LED
 Number of Lamps: 1
 Luminous Length (mm): -47
 Luminous Height (mm): 46
 Current: 0.035 A
 Power Factor: 0.956

Photometric Results

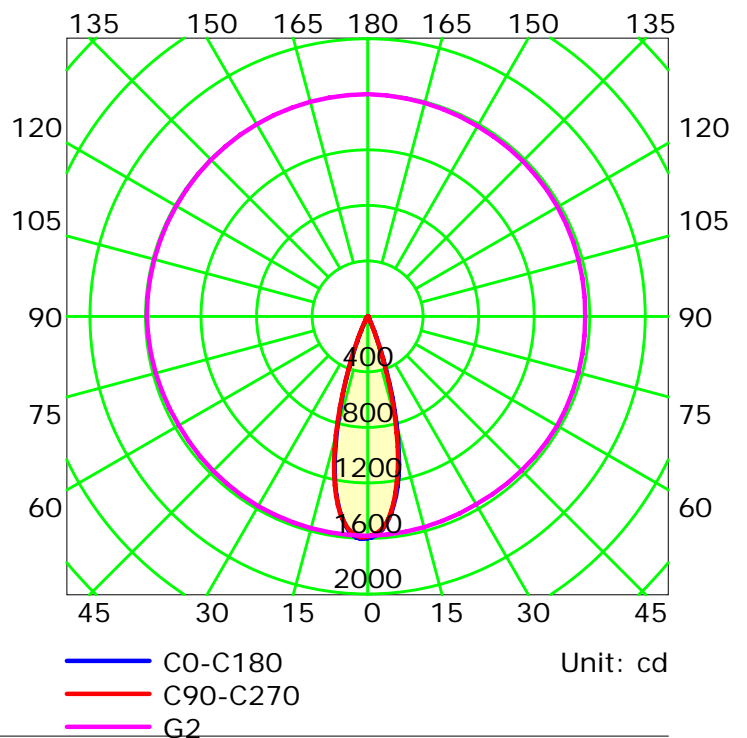
CIE Class: Direct
 Measurement Flux: 436.9 lm
 Downward Ratio: 67.32%
 Luminaire Efficacy Rating (LER): 57
 Max. Intensity: 1601.34 cd

Total Rated Lamp Lumens: 649.0 lm
 Efficiency: 67.32%
 Upward Ratio: 0.00%
 Central Intensity: 1598.69 cd
 Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



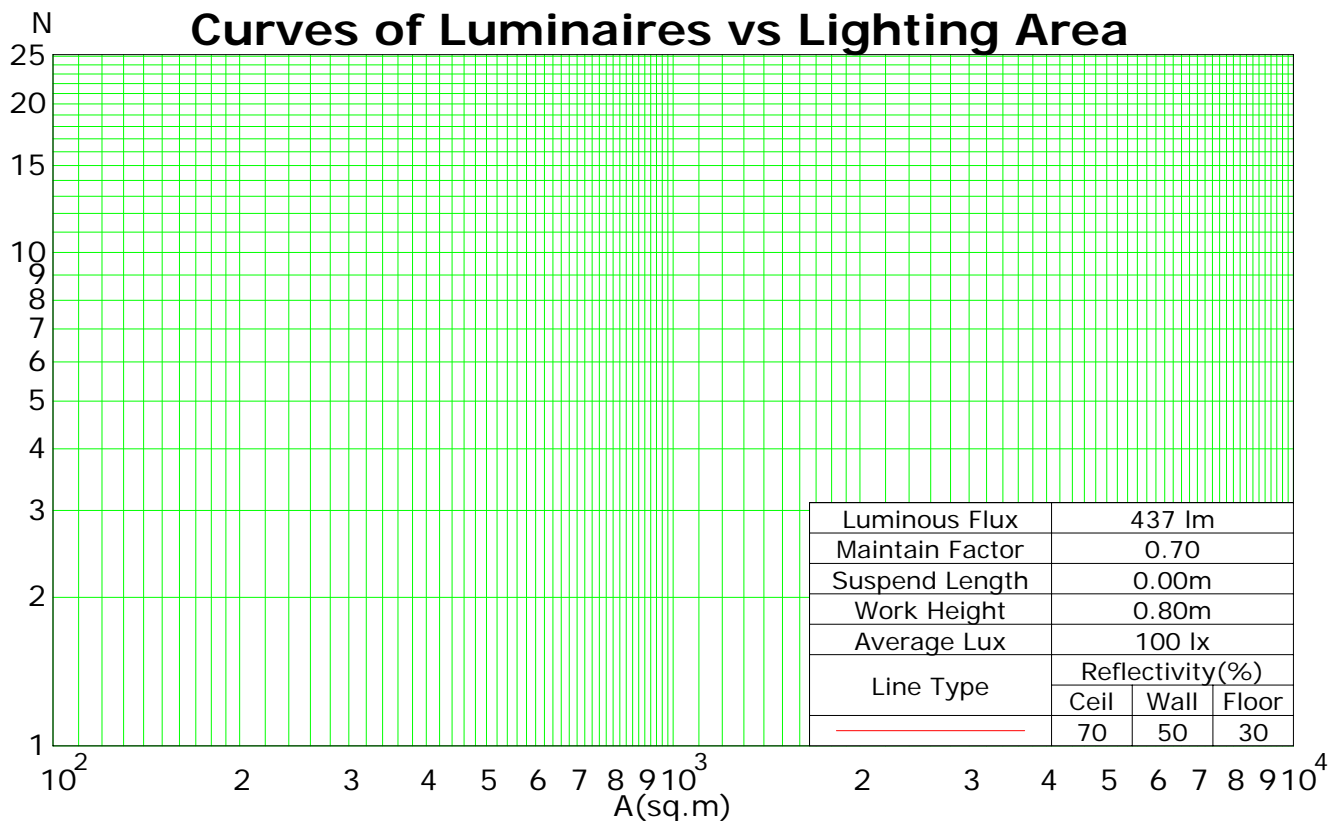
Test Lab: Astro
 Test Type: TYPE C
 Temperature: 25
 Operator:

Test Device: GPM-1800
 Distance: 10.096 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	80	80	80	80	78	78	78	78	75	75	75	72	72	72	69	69	69	67
1	77	76	75	73	76	74	73	72	72	71	70	69	69	68	67	67	66	65
2	75	72	70	69	73	71	69	68	69	68	66	67	66	65	65	64	64	63
3	72	69	67	65	71	68	66	64	67	65	63	65	64	62	64	62	61	60
4	70	66	64	62	69	66	63	61	64	62	61	63	61	60	62	60	59	58
5	68	64	61	59	67	63	61	59	62	60	58	61	59	58	60	59	57	57
6	66	62	59	57	65	61	58	57	60	58	56	59	57	56	59	57	55	55
7	64	60	57	55	63	59	56	55	58	56	54	58	56	54	57	55	54	53
8	62	58	55	53	62	57	55	53	57	54	53	56	54	52	56	54	52	52
9	60	56	53	51	60	56	53	51	55	53	51	55	52	51	54	52	51	50
10	59	54	52	50	58	54	51	50	54	51	50	53	51	49	53	51	49	49

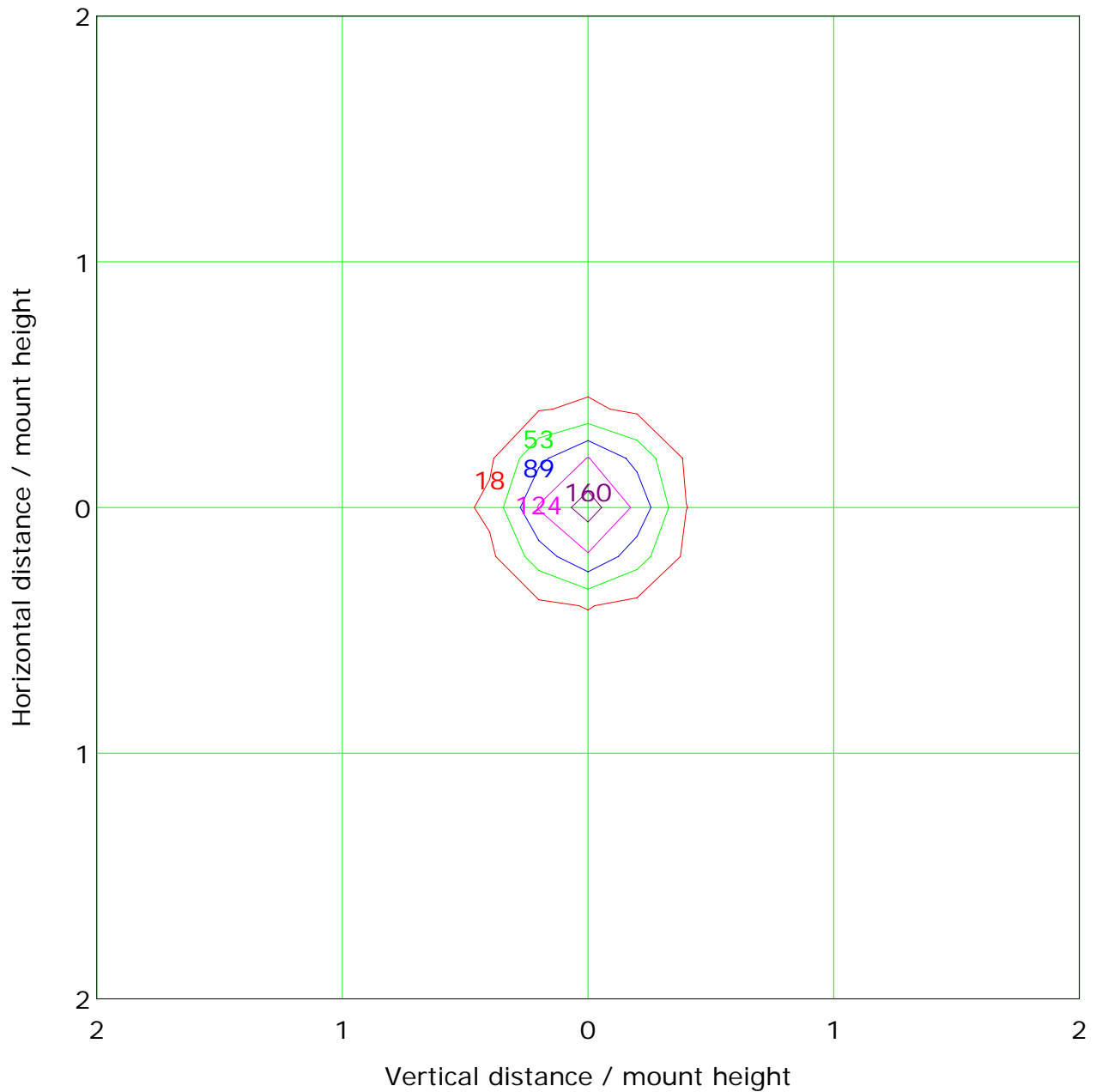
Spacing Criteria (0-180): 0.52
 Spacing Criteria (90-270): 0.52
 Spacing Criteria (Diagonal): 0.48



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IsoLux Plot



Mounting Height: 3m Max Lux(100%): 178 lx

(10%):	18 lx	(30%):	53 lx
(50%):	89 lx	(70%):	124 lx
(90%):	160 lx		

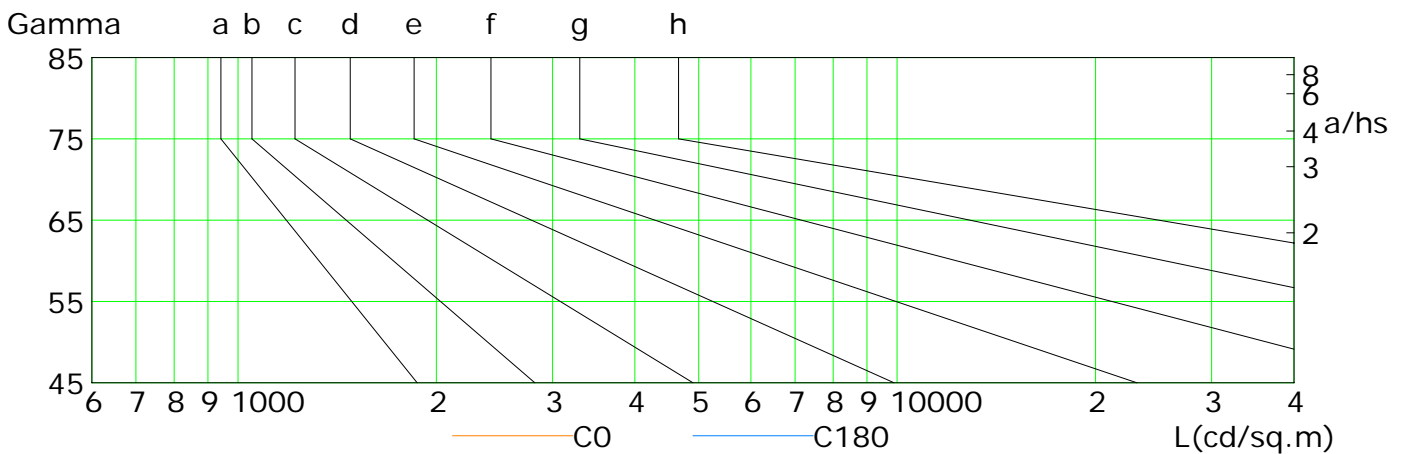
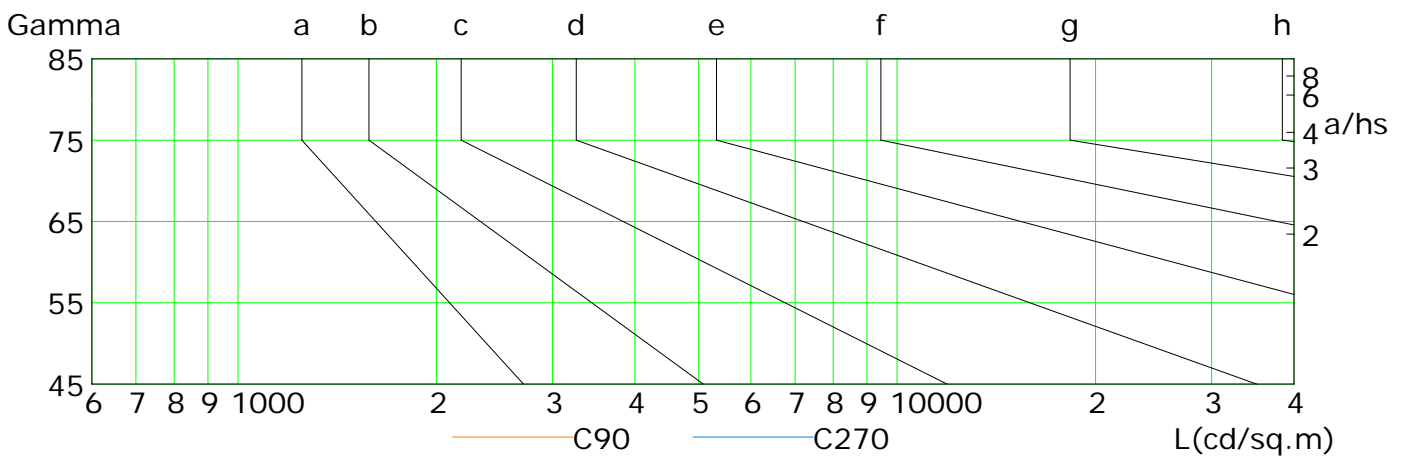
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Lum Limit Curve

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	8	5	3	1	0	0	0	0	0
C90	9	6	3	0	0	0	0	0	0
C180	10	6	3	1	0	0	0	0	0
C270	9	6	3	1	0	0	0	0	0

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Illuminance at a Distance

