

astro

PHOTOMETRIC
TEST REPORT

Report No.: 20170809A

Test Time: 2017-08-25 14:14

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: 7.50 W

Luminaire Description: 6162
 Lamp Catalog: LED
 Number of Lamps: 1
 Luminous Length (mm): -47
 Luminous Height (mm): 46
 Current: 0.033 A
 Power Factor: 0.980

Photometric Results

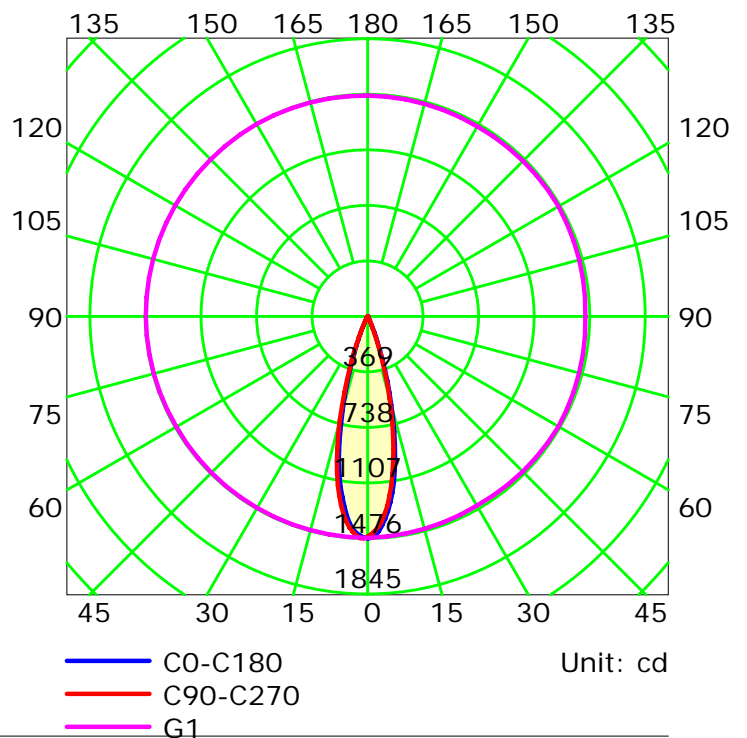
CIE Class: Direct
 Measurement Flux: 338.9 lm
 Downward Ratio: 52.21%
 Luminaire Efficacy Rating (LER): 45
 Max. Intensity: 1477.1 cd

Total Rated Lamp Lumens: 649.0 lm
 Efficiency: 52.21%
 Upward Ratio: 0.00%
 Central Intensity: 1474.98 cd
 Pos of Max. Intensity: H240 V1

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:

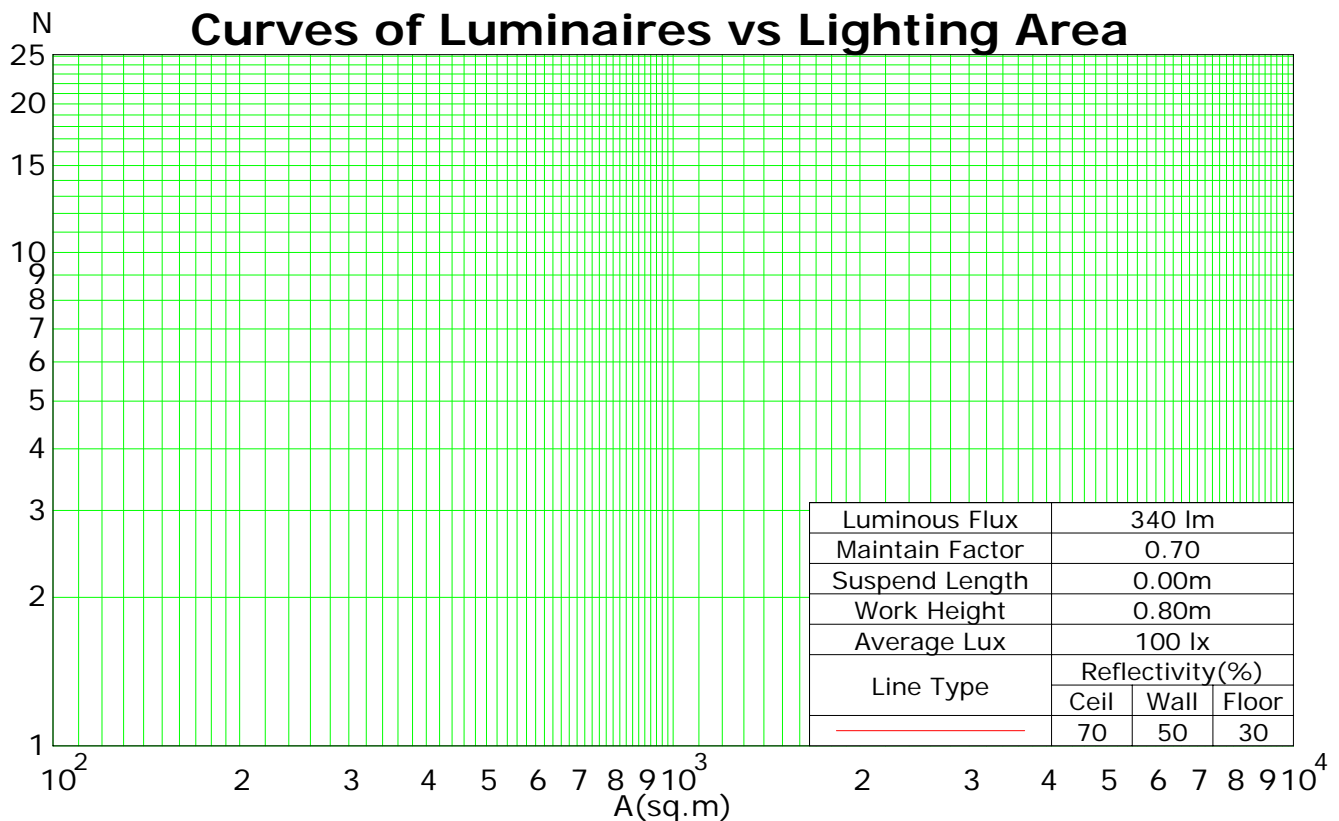
Coefficients Of Utilization - Zonal Cavity Method

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	62	62	62	62	61	61	61	61	58	58	58	56	56	56	53	53	53	52
1	60	59	58	57	59	58	57	56	56	55	55	54	53	53	52	52	51	51
2	58	56	55	54	57	56	54	53	54	53	52	52	52	51	51	50	50	49
3	56	54	52	51	56	53	52	50	52	51	50	51	50	49	50	49	48	48
4	55	52	50	49	54	52	50	48	51	49	48	50	48	47	49	48	47	46
5	53	50	48	47	53	50	48	47	49	47	46	48	47	46	48	46	45	45
6	52	49	47	45	51	48	46	45	48	46	45	47	46	44	46	45	44	44
7	50	47	45	44	50	47	45	44	46	45	43	46	44	43	45	44	43	42
8	49	46	44	42	49	46	44	42	45	43	42	45	43	42	44	43	42	41
9	48	45	43	41	48	44	42	41	44	42	41	44	42	41	43	42	41	40
10	47	43	41	40	46	43	41	40	43	41	40	43	41	40	42	41	40	39

Spacing Criteria (0-180): 0.46

Spacing Criteria (90-270): 0.47

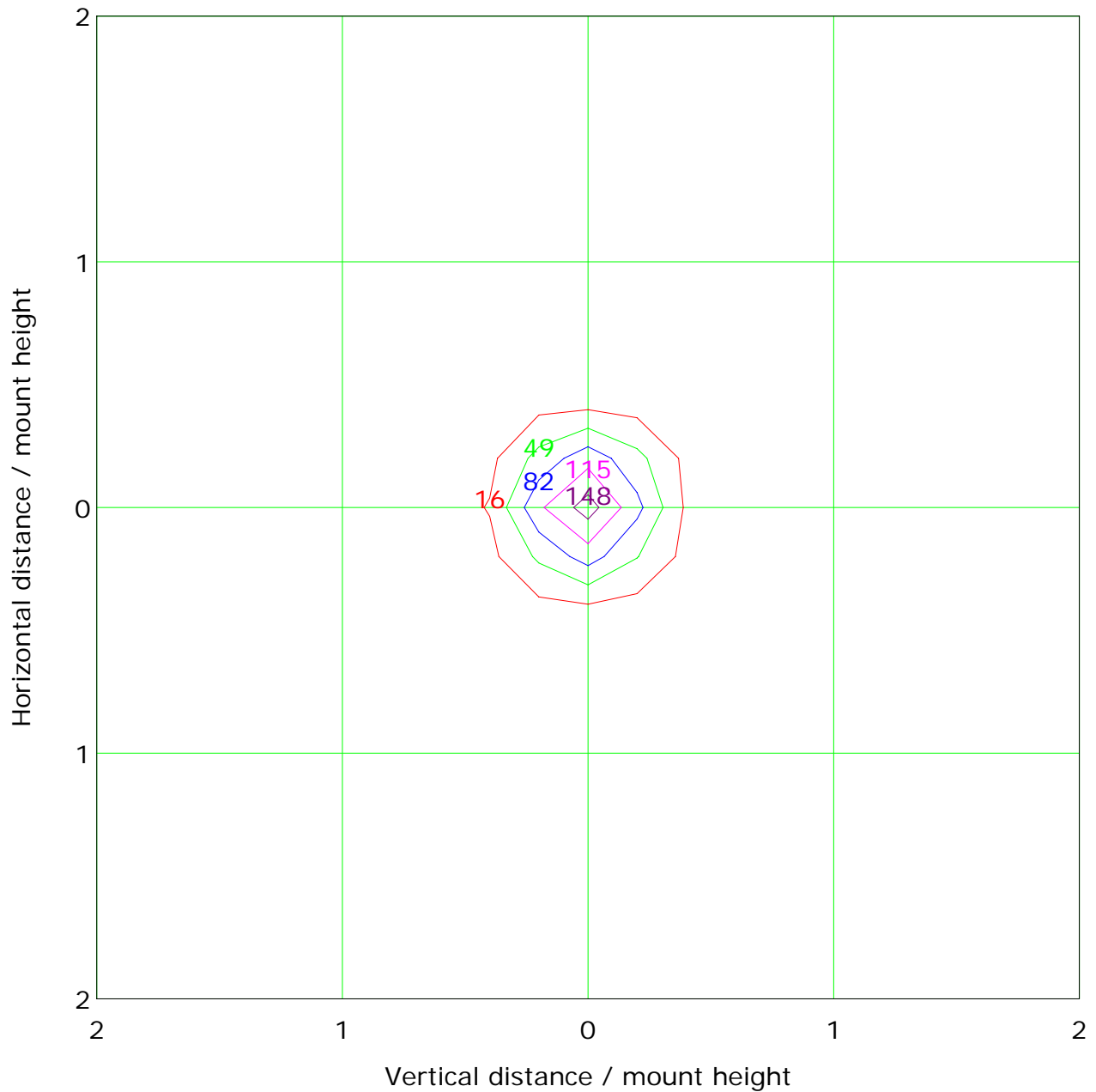
Spacing Criteria (Diagonal): 0.45



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IsoLux Plot



Mounting Height: 3m Max Lux(100%): 164 lx

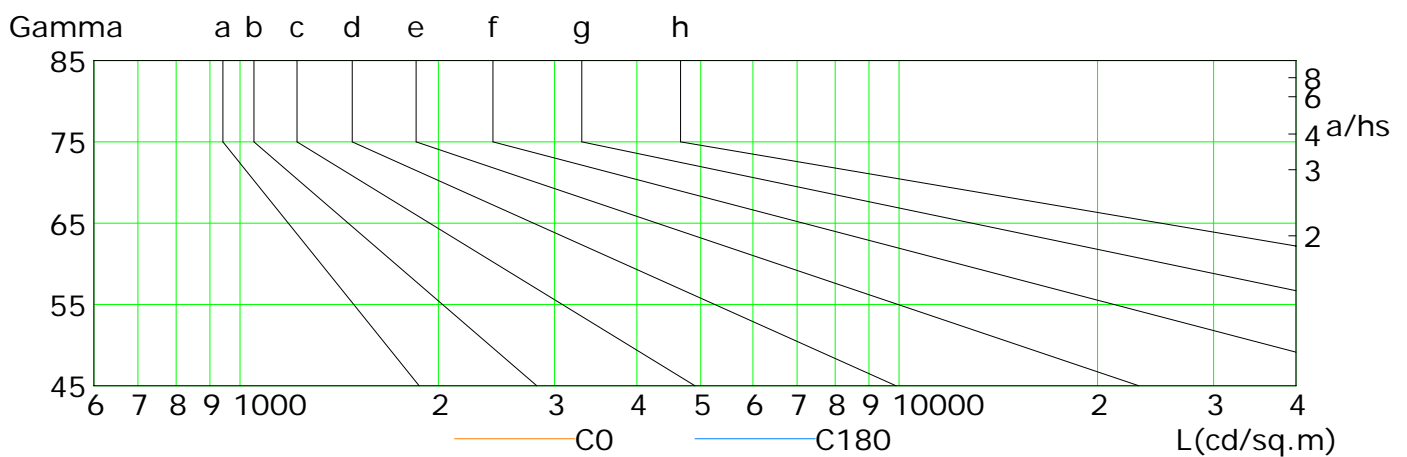
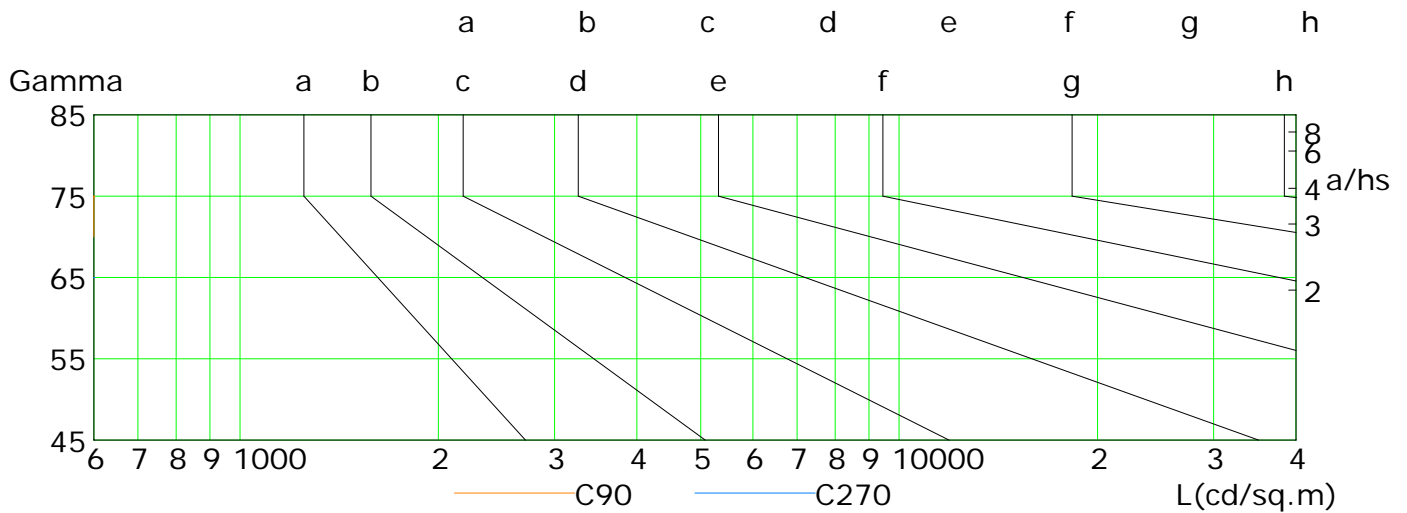
(10%):	16 lx	(30%):	49 lx
(50%):	82 lx	(70%):	115 lx
(90%):	148 lx		

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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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2	1	0	0	0	0	0	0	0
C90	2	1	0	0	0	0	0	0	0
C180	2	1	0	0	0	0	0	0	0
C270	2	1	0	0	0	0	0	0	0

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Illuminance at a Distance

