

astro

PHOTOMETRIC
TEST REPORT

Flux test report

Product Remark

Type:TE079-026-FW01

Temperature:Tx=31.1°C Ti=32.0°C

Operator:

Manufacturer:ASTRO

Humidity:65%

Test Time:2016-10-09 16:20

CIE Color Parameter

Chromaticity Coordinate: x=0.4332 y=0.4034

u=0.2484 v=0.3470

CCT: Tc= 3059K

Ratio: R=0.260 G=0.709 B=0.031 Peak Wave: 630nm Half Width: 170.1nm

Dominant WL.: 583.5nm Purity: 0.511

Rending Index: Ra= 97.2

R1 =99	R2 =100	R3 =99	R4 =97	R5 =97	R6 =98	R7 =95	R8 =93
R9 =86	R10=99	R11=98	R12=83	R13=100	R14=99	R15=97	

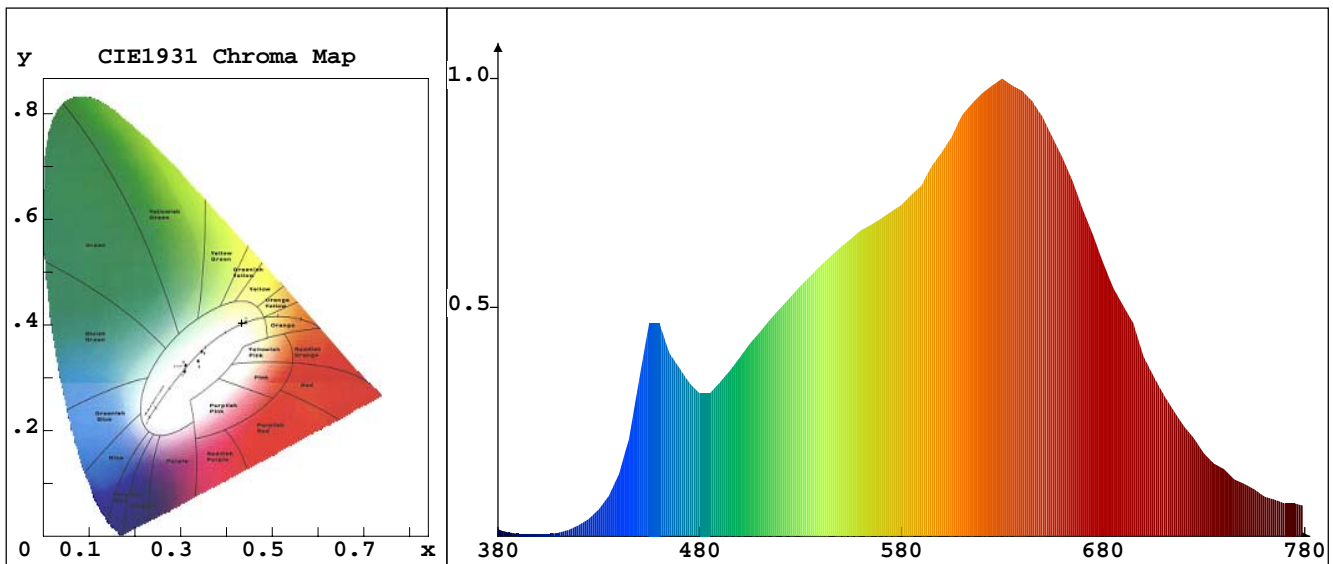


Photo Parameter

Luminous Flux: 728.0 lm

Light Efficiency: 67.4 lm/W

Radiant Power: 2.752 W

Electrical Parameter

Voltage:U= 36.6V Current:I=0.292A Power:P= 10.8W Power Factor:Pf=1.000

Instrument Status

Scan Range: 380nm-780nm

Main: 4

Reference: 2

Interval: 5nm

Id: 15

REF: 5064

PMT HV: -553V

Ip: 25666

#: -1.325%

Report No.: T20161056B

Test Time: 2016-10-13 13:58

Luminaire Property

Luminaire Category: LED RECESSED LIGHT
 Luminaire Manufacturer: ASTRO
 Lamp Description: CXA1512-30G-J2 CRI90
 Lumens per Lamp: 809
 Luminous Width (mm): -62
 Voltage: 36.4 V
 Power: 8.80 W

Luminaire Description: TE079-026-FW01
 Lamp Catalog: LED
 Number of Lamps: 1
 Luminous Length (mm): -62
 Luminous Height (mm): 33
 Current: 0.242 A
 Power Factor: 1.000

Photometric Results

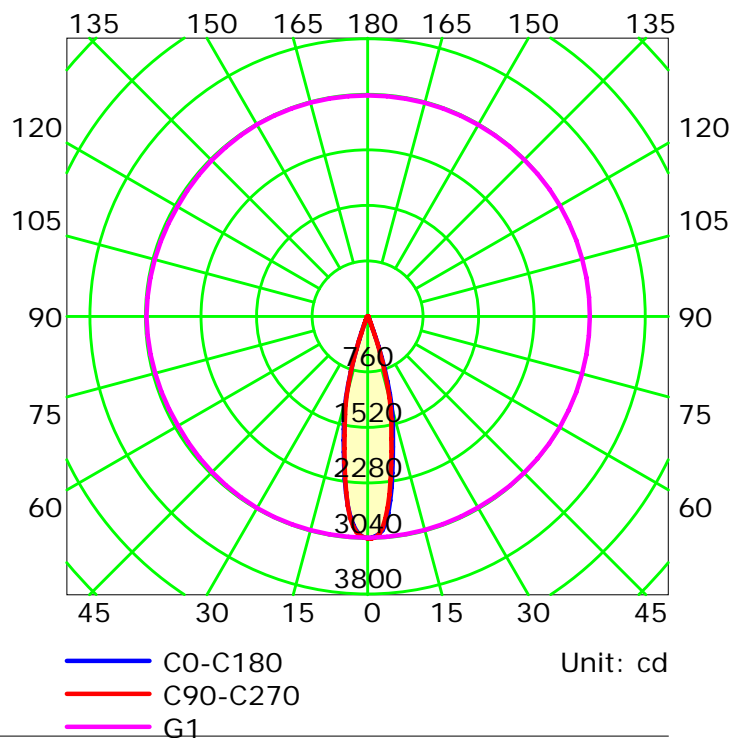
CIE Class: Direct
 Measurement Flux: 653.1 lm
 Downward Ratio: 80.72%
 Luminaire Efficacy Rating (LER): 74
 Max. Intensity: 3040.92 cd

Total Rated Lamp Lumens: 809.0 lm
 Efficiency: 80.72%
 Upward Ratio: 0.00%
 Central Intensity: 3037.75 cd
 Pos of Max. Intensity: H90 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Test Lab: ASTRO
 Test Type: TYPE C
 Temperature: 26

Test Device: GPM-1800
 Distance: 10.150 m
 Humidity: 47
 Inspector:

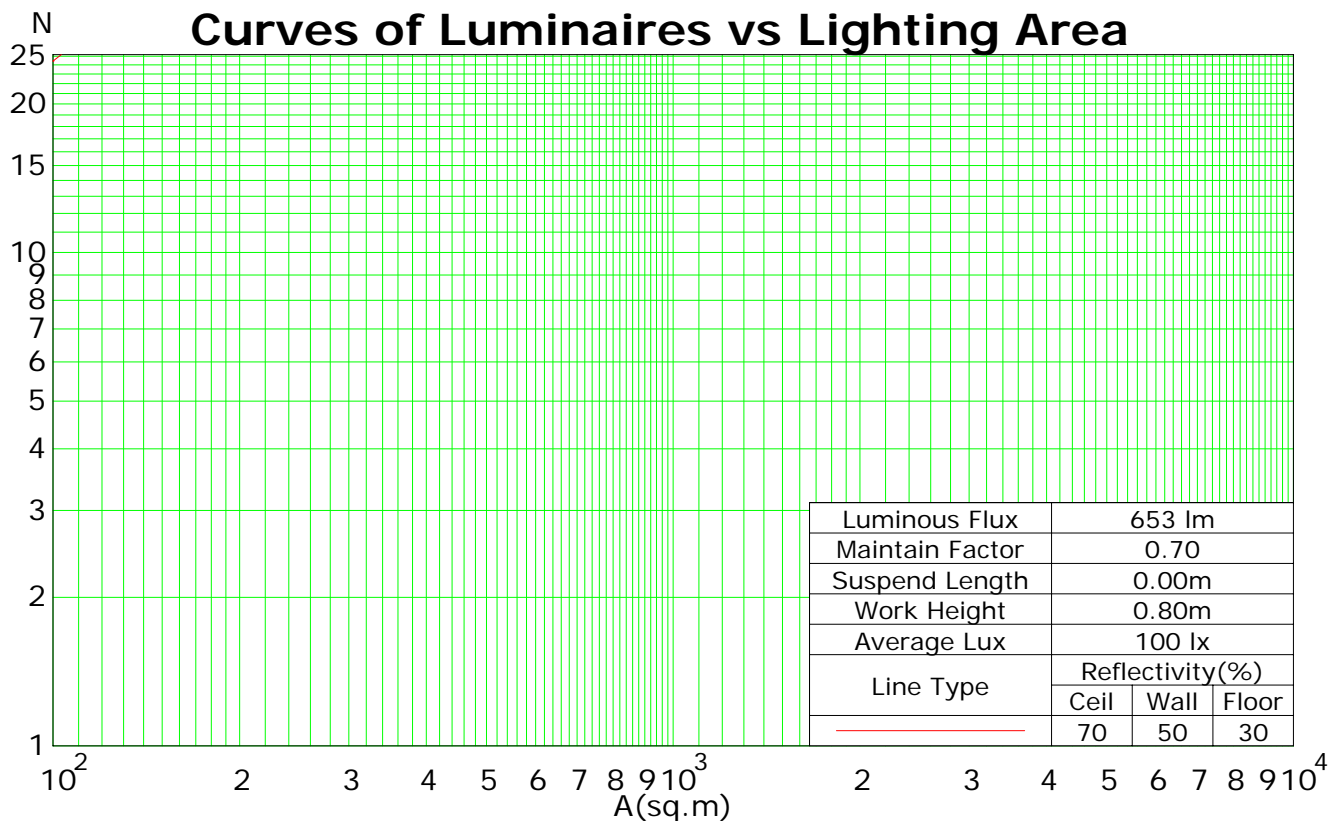
Coefficients Of Utilization - Zonal Cavity Method

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	96	96	96	96	94	94	94	94	90	90	90	86	86	86	82	82	82	81
1	93	91	89	87	91	89	87	86	86	85	83	83	82	81	80	79	79	77
2	89	86	83	81	87	85	82	80	82	80	79	80	78	77	78	76	75	74
3	86	82	79	76	85	81	78	76	79	77	75	77	75	74	75	74	72	71
4	83	79	75	73	82	78	75	72	76	74	71	75	72	71	73	71	70	69
5	81	76	72	70	80	75	72	69	74	71	69	72	70	68	71	69	68	67
6	78	73	70	67	77	73	69	67	71	69	66	70	68	66	69	67	66	65
7	76	71	67	65	75	70	67	65	69	66	64	69	66	64	68	65	64	63
8	74	69	65	63	73	68	65	63	67	65	62	67	64	62	66	64	62	61
9	72	67	63	61	71	66	63	61	66	63	61	65	62	61	65	62	60	60
10	70	65	62	59	70	65	61	59	64	61	59	64	61	59	63	61	59	58

Spacing Criteria (0-180): 0.43

Spacing Criteria (90-270): 0.41

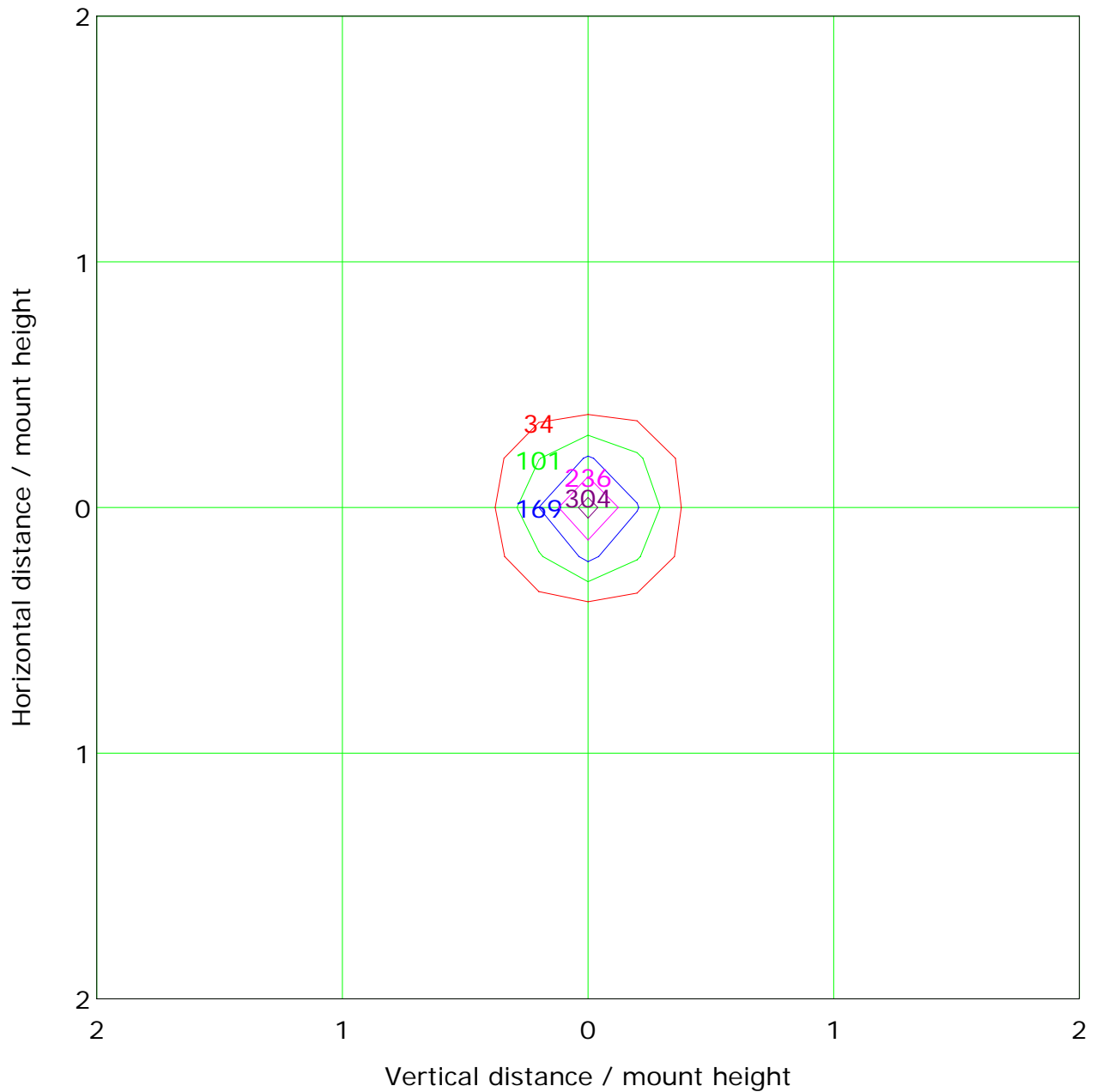
Spacing Criteria (Diagonal): 0.43



Test Lab: ASTRO
 Test Type: TYPE C
 Temperature: 26

Test Device: GPM-1800
 Distance: 10.150 m
 Humidity: 47
 Inspector:

IsoLux Plot



Mounting Height: 3m Max Lux(100%): 338 lx

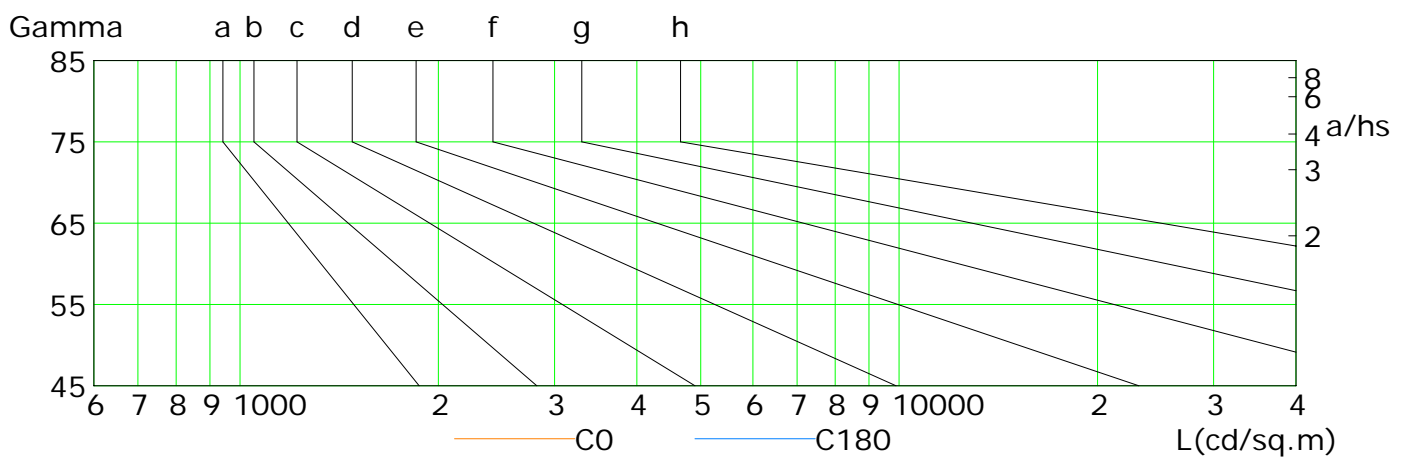
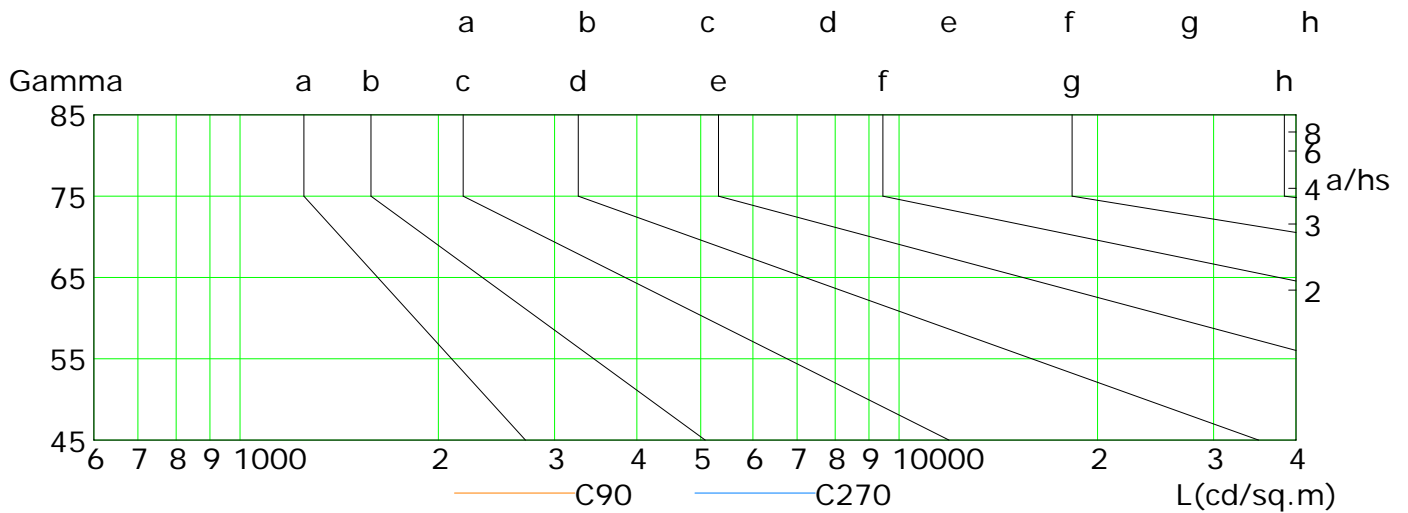
(10%):	34 lx	(30%):	101 lx
(50%):	169 lx	(70%):	236 lx
(90%):	304 lx		

Test Lab: ASTRO
Test Type: TYPE C
Temperature: 26

Test Device: GPM-1800
Distance: 10.150 m
Humidity: 47
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	20	18	16	13	10	7	5	3	1
C90	20	18	16	14	10	7	4	3	1
C180	20	18	16	13	10	7	5	3	1
C270	20	18	16	13	10	7	5	3	1

Test Lab: ASTRO
Test Type: TYPE C
Temperature: 26

Test Device: GPM-1800
Distance: 10.150 m
Humidity: 47
Inspector:

Illuminance at a Distance

