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LumCAT:

Luminaire: wing darklight t3 fm

LampCAT: modulo led 19.8W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7500

Test No:

Current(A): 0.1680

Number of Lamps: 1

Power (W): 21.3340

Lamp flux(lm): 2100.0

PF: 0.9920

Length(mm): 79

Width(mm): 86

Phm Type: C

Height(mm): 0

Photometric Results

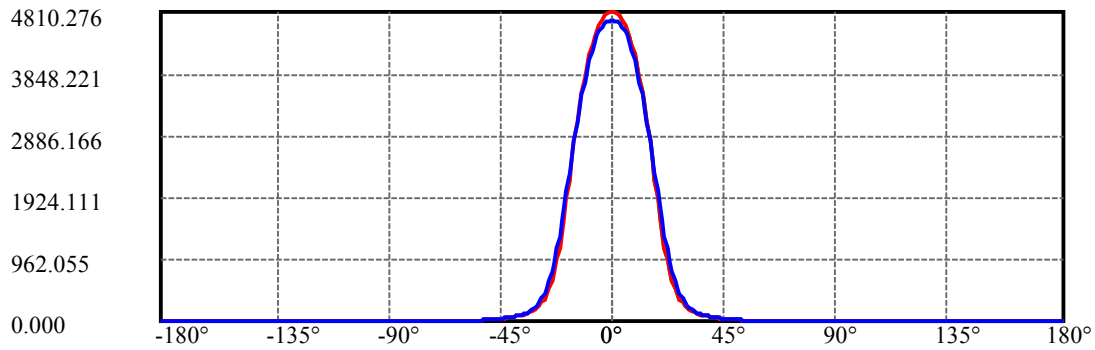
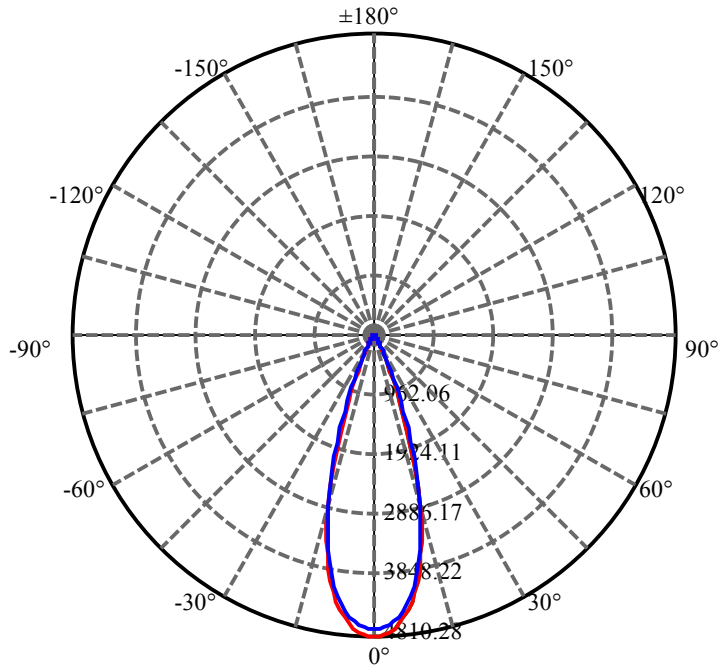
Lumens(lm): 1661.31, Efficiency(%): 79.11% , Luminous Efficacy(lm/W): 77.87

Central intensity(cd): 4810.276, Maximum intensity(cd): 4810.276

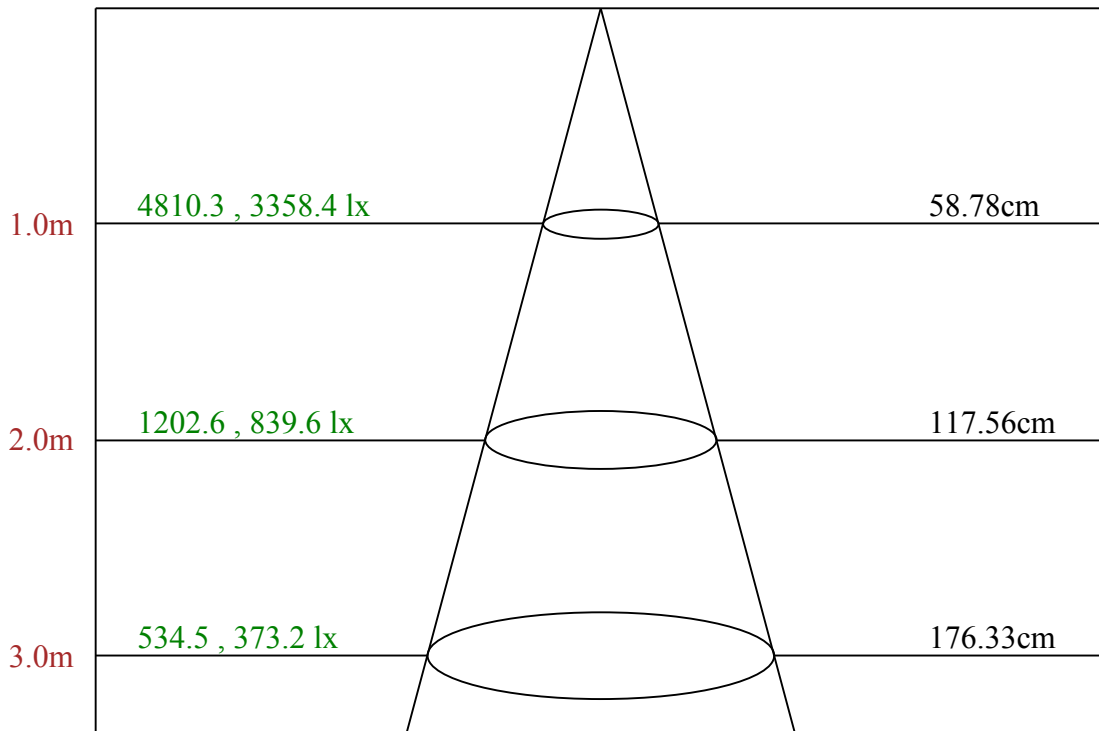
Angle of maximum intensity: $C=0.0$ $\gamma=0.0$

Beam angle of C0 plane : 32.76

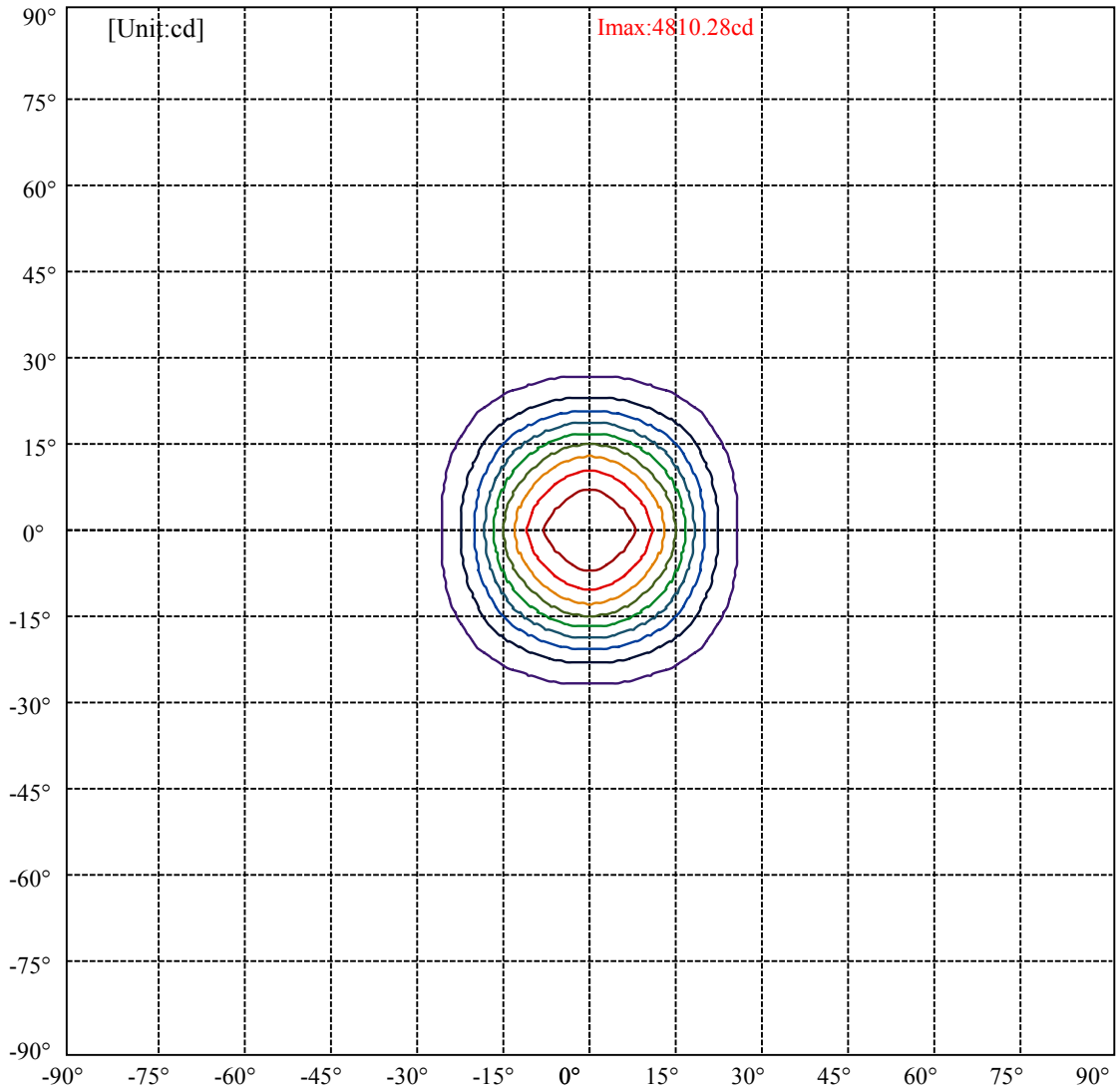
Aveage BeamAngle(IEC 61341):33.61



C0(Max): —
C0/C180: —
C90/C270: —



Max , Ave Beam angle of C0 plane 32.76



(10%Imax) 480.337	—
(20%Imax) 960.675	—
(30%Imax) 1441.01	—
(40%Imax) 1921.35	—
(50%Imax) 2401.69	—
(60%Imax) 2882.02	—
(70%Imax) 3362.36	—
(80%Imax) 3842.7	—
(90%Imax) 4323.04	—

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Luminance Limiting Curve(no luminous side)

Luminance Table

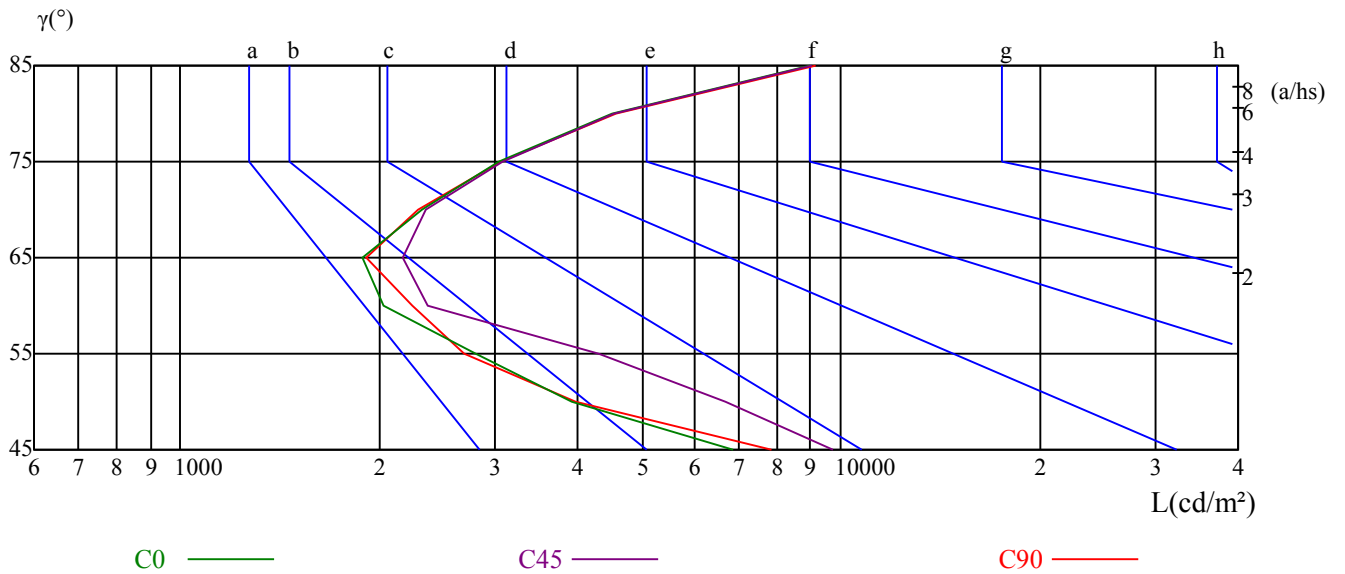
γ	45	50	55	60	65	70	75	80	85
C0	6863	3914	2792	2025	1890	2315	3032	4520	9005
C45	9725	6702	4307	2362	2168	2346	3073	4540	9025
C90	7859	3963	2688	2249	1907	2295	3060	4560	9166

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1890	1907	2168	3032	3060	3073	9005	9166	9025

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise				Viewed endwise					
X	Y										
2H	2H	12.96	13.87	13.36	14.23	14.60	13.69	14.61	14.10	14.97	15.34
	3H	12.93	13.74	13.36	14.13	14.53	13.63	14.45	14.06	14.83	15.23
	4H	13.03	13.78	13.47	14.18	14.60	13.69	14.44	14.14	14.84	15.27
	6H	13.32	14.00	13.78	14.43	14.88	13.92	14.60	14.38	15.03	15.48
	8H	13.56	14.21	14.02	14.64	15.10	14.11	14.77	14.57	15.20	15.66
	12H	13.94	14.56	14.41	15.00	15.47	14.44	15.06	14.91	15.50	15.97
4H	2H	12.78	13.53	13.22	13.93	14.35	13.49	14.24	13.93	14.64	15.06
	3H	12.81	13.44	13.28	13.88	14.35	13.47	14.10	13.94	14.54	15.01
	4H	13.06	13.61	13.54	14.07	14.57	13.66	14.21	14.14	14.67	15.17
	6H	13.52	14.00	14.04	14.50	15.00	14.03	14.51	14.54	15.01	15.51
	8H	13.95	14.39	14.48	14.89	15.42	14.40	14.85	14.93	15.35	15.87
	12H	14.59	14.99	15.11	15.49	16.06	14.97	15.38	15.49	15.87	16.44
8H	4H	13.07	13.51	13.59	14.01	14.54	13.63	14.08	14.16	14.58	15.10
	6H	13.76	14.12	14.30	14.64	15.20	14.20	14.57	14.75	15.09	15.65
	8H	14.43	14.73	15.00	15.29	15.84	14.81	15.11	15.38	15.67	16.22
	12H	15.34	15.58	15.92	16.13	16.70	15.64	15.87	16.22	16.43	17.00
12H	4H	13.09	13.50	13.62	13.99	14.56	13.64	14.05	14.17	14.55	15.12
	6H	13.91	14.21	14.48	14.77	15.32	14.34	14.64	14.91	15.20	15.75
	8H	14.65	14.88	15.23	15.44	16.01	15.00	15.23	15.58	15.79	16.36
Variation with the observer position at spacings:											
S = 1.0H	3.1/-3.5				2.9/-3.2						
S = 1.5H	4.5/-2.7				4.1/-2.6						
S = 2.0H	5.3/-2.3				4.9/-2.2						
Standard tables:	BK4				BK4						
Uncorrected UGR	-4.3				-4.5						

依据CIE Publ. 117 计算 UGR, S/H = 0.25