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LumCAT:

Luminaire: wing darklight t3 fc

LampCAT: modulo led 19.8W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7400

Test No:

Current(A): 0.1690

Number of Lamps: 1

Power (W): 21.3550

Lamp flux(lm): 2100.0

PF: 0.9920

Length(mm): 79

Width(mm): 86

Phm Type: C

Height(mm): 0

Photometric Results

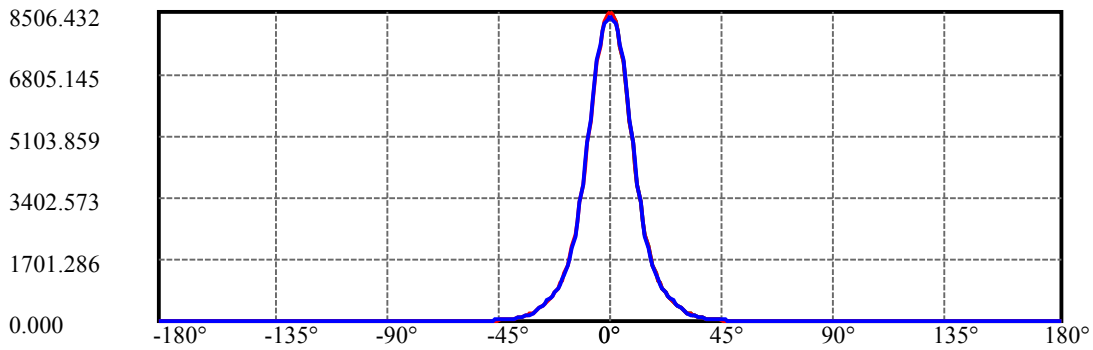
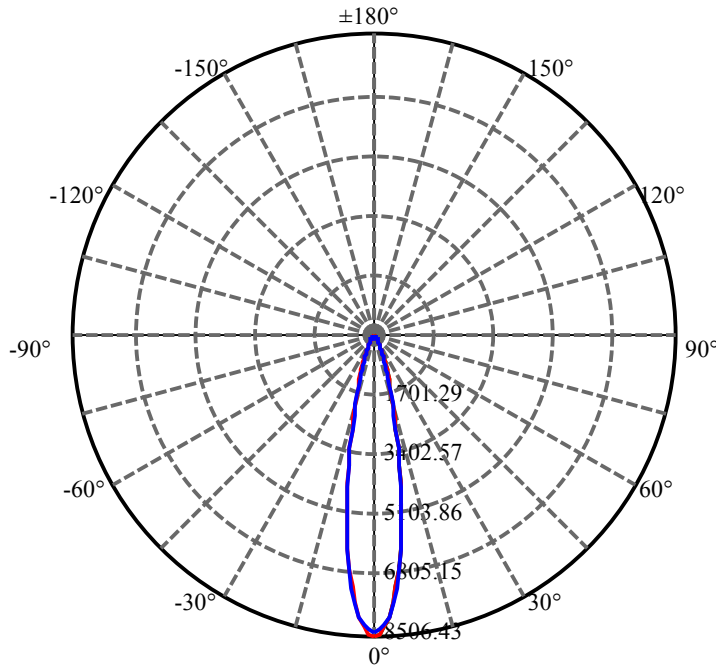
Lumens(lm): 1624.48, Efficiency(%): 77.36% , Luminous Efficacy(lm/W): 76.07

Central intensity(cd): 8506.432, Maximum intensity(cd): 8506.432

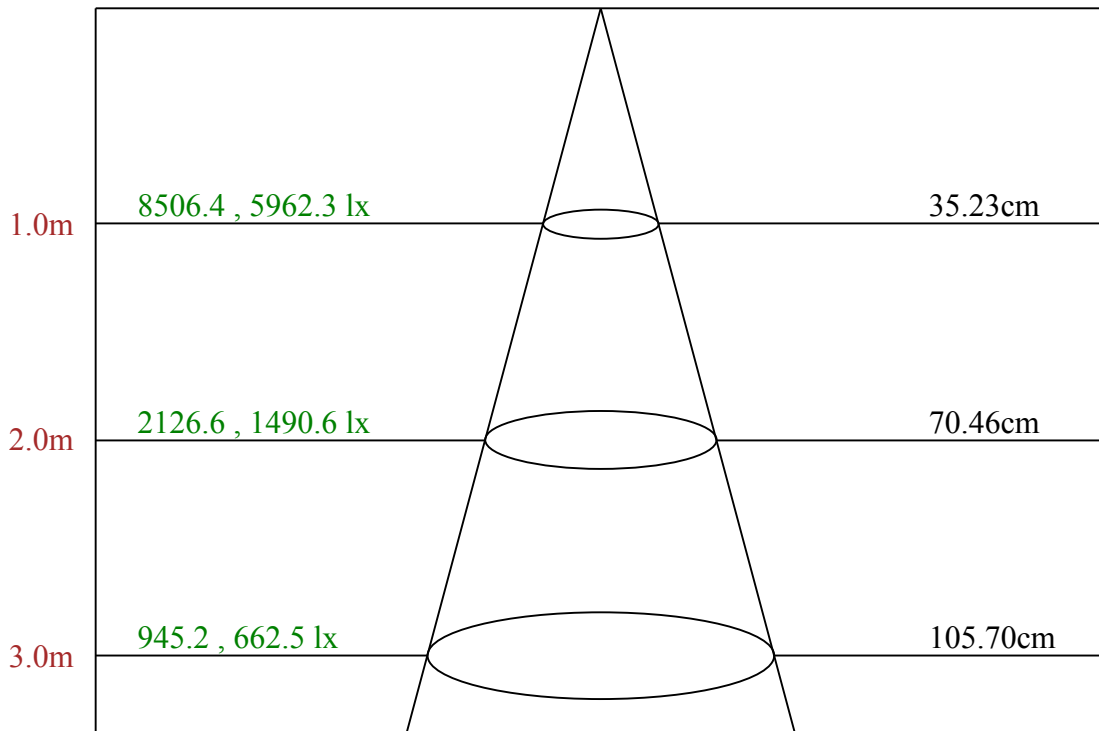
Angle of maximum intensity: $C=0.0$ $\gamma=0.0$

Beam angle of C0 plane : 19.98

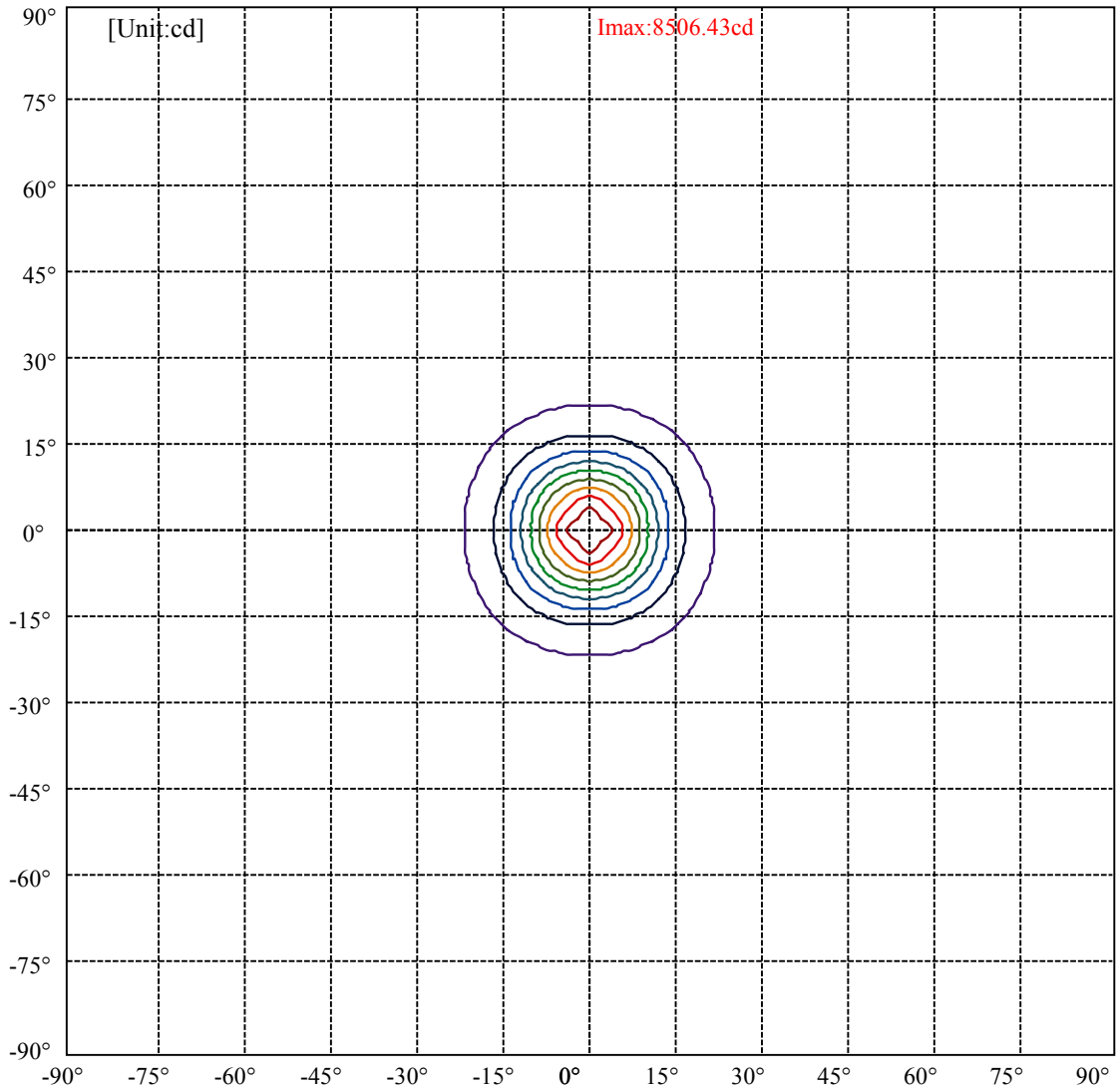
Aveage BeamAngle(IEC 61341):20.52



C0(Max): —
C0/C180: —
C90/C270: —



Max , Ave Beam angle of C0 plane 19.98



(10%Imax) 846.132	—
(20%Imax) 1692.26	—
(30%Imax) 2538.4	—
(40%Imax) 3384.53	—
(50%Imax) 4230.66	—
(60%Imax) 5076.79	—
(70%Imax) 5922.92	—
(80%Imax) 6769.06	—
(90%Imax) 7615.19	—

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Luminance Limiting Curve(no luminous side)

Luminance Table

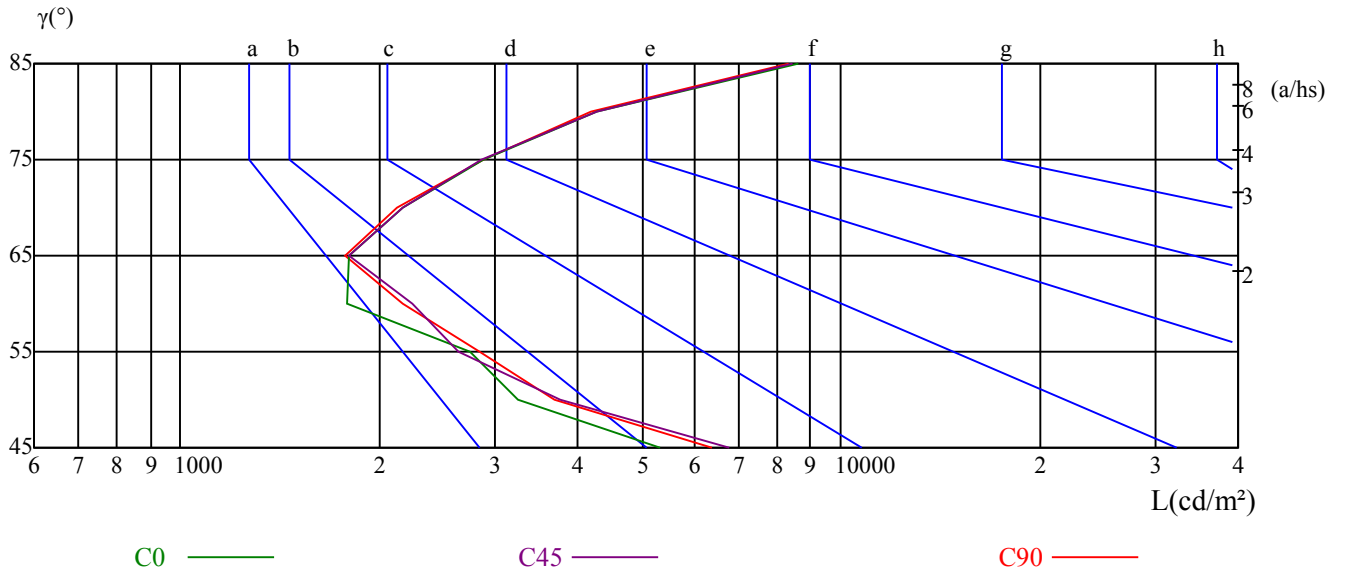
γ	45	50	55	60	65	70	75	80	85
C0	5327	3238	2737	1787	1799	2172	2870	4278	8603
C45	6779	3769	2645	2239	1795	2172	2856	4258	8442
C90	6387	3685	2834	2165	1774	2131	2870	4197	8362

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1799	1774	1795	2870	2870	2856	8603	8362	8442

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	13.27	14.18	13.68	14.53	14.91	13.21	14.11	13.61	14.47	14.84
	3H	13.21	14.02	13.64	14.40	14.80	13.15	13.95	13.57	14.33	14.73
	4H	13.28	14.02	13.72	14.42	14.84	13.21	13.95	13.65	14.35	14.77
	6H	13.51	14.19	13.97	14.61	15.06	13.44	14.12	13.90	14.54	14.99
	8H	13.70	14.35	14.17	14.78	15.24	13.63	14.28	14.09	14.71	15.17
	12H	14.04	14.66	14.51	15.09	15.56	13.96	14.58	14.43	15.01	15.48
4H	2H	13.03	13.78	13.47	14.18	14.60	12.97	13.71	13.41	14.11	14.53
	3H	13.02	13.64	13.48	14.08	14.55	12.95	13.58	13.42	14.01	14.48
	4H	13.22	13.76	13.69	14.22	14.72	13.15	13.69	13.63	14.16	14.66
	6H	13.60	14.08	14.11	14.57	15.07	13.53	14.01	14.04	14.50	15.00
	8H	13.98	14.42	14.50	14.92	15.44	13.90	14.34	14.43	14.84	15.36
	12H	14.56	14.96	15.09	15.46	16.03	14.48	14.88	15.01	15.38	15.95
8H	4H	13.19	13.63	13.71	14.13	14.65	13.13	13.57	13.65	14.07	14.59
	6H	13.78	14.14	14.32	14.65	15.21	13.71	14.07	14.25	14.59	15.15
	8H	14.39	14.69	14.96	15.24	15.79	14.32	14.62	14.89	15.18	15.72
	12H	15.24	15.47	15.82	16.02	16.59	15.16	15.39	15.74	15.94	16.52
12H	4H	13.20	13.60	13.73	14.09	14.66	13.14	13.54	13.67	14.04	14.60
	6H	13.91	14.21	14.48	14.77	15.31	13.84	14.14	14.42	14.70	15.25
	8H	14.57	14.80	15.15	15.36	15.93	14.51	14.74	15.09	15.29	15.86
Variation with the observer position at spacings:											
S = 1.0H	3.8/-3.2					4.0/-3.3					
S = 1.5H	5.2/-2.5					5.4/-2.7					
S = 2.0H	6.0/-2.1					6.2/-2.2					
Standard tables:	BK4					BK4					
Uncorrected UGR	-4.9					-4.8					

依据CIE Publ. 117 计算 UGR, S/H = 0.25