

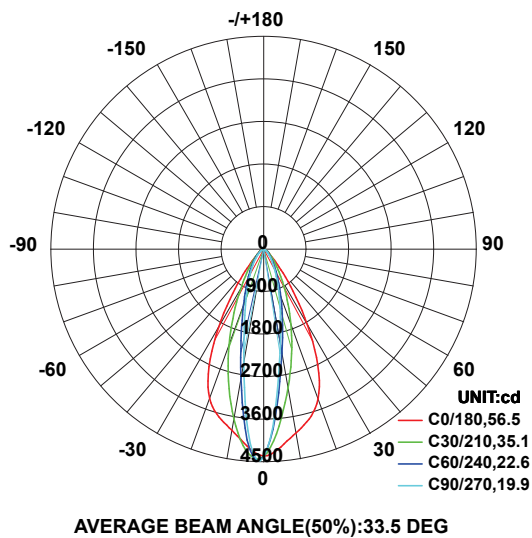


LUMINAIRE PHOTOMETRIC TEST REPORT

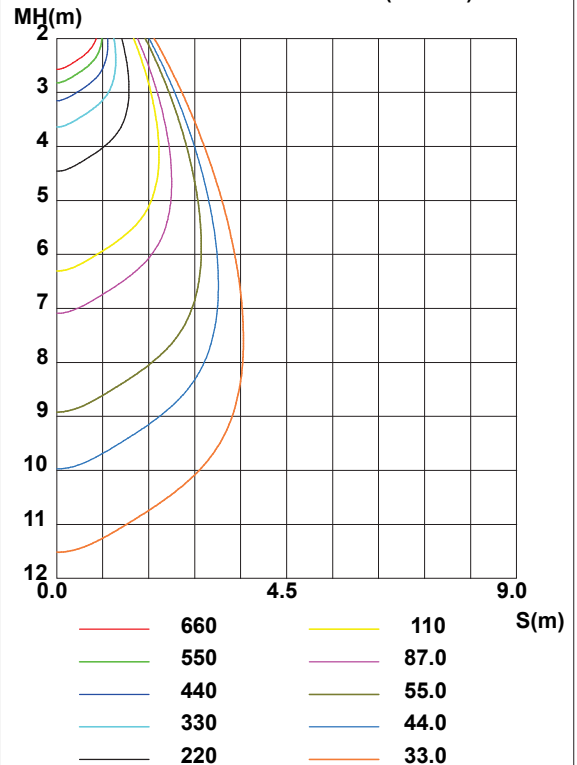
NAME: ITES MÓDULO LINEAL	TYPE:LED	No.: 17.AA76.0001.09
MFR.: IDEA ILUMINACION	DIM.: SUR.:	
Light Output Ratio: 60.4%	Luminaire Power: 36.61 W	
Test:U:24.000V I:1.5256A P:36.614W PF:1.0000 Freq:49.99Hz		Lamp Flux:3702.5x1 lm
SHR Nominal: 0.00	Calculated using the TM5	SHR Maximum: 0.30 fine grid method.

DATA OF LAMP		PHOTOMETRIC DATA EFF: 61.04 lm/W			
MODEL	CREE 3030	I _{max} (cd)	4475	S/MH(C0/180)	0.85
NOMINAL POWER(W)	36.6	LOR(%)	60.4	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2234.8	η _{UP,DN} (C0-180)	0.0,28.2
NOMINAL FLUX(lm)	3702.5	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,32.2
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η _{down} (%)	60.4	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2024-02-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:10.214m [K=1.0000]
Remarks:



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	qzone	qtotal	%lum,lamp
10	3948	2610	2050	2595	3895	3216	2444	3095	0- 10	336.8	336.8	15.1,9.1
20	3369	1375	934.5	1350	3355	1703	1091	1571	10- 20	629.9	966.7	43.3,26.1
30	1861	656.9	430.7	646.1	1921	806.8	549.6	743.1	20- 30	579.9	1547	69.2,41.8
40	575.8	305.3	211.2	304.5	615.1	372.6	283.0	352.4	30- 40	361.4	1908	85.4,51.5
50	173.8	145.1	101.2	144.7	176.9	174.2	127.8	168.3	40- 50	184.1	2092	93.6,56.5
60	95.03	67.40	41.60	65.06	87.85	80.28	54.14	78.73	50- 60	96.83	2189	97.9,59.1
70	30.27	12.87	1.698	11.39	25.09	18.64	2.776	18.28	60- 70	40.85	2230	99.8,60.2
80	0.8517	0.5415	0.3441	0.5216	0.7533	0.7020	0.6105	0.7019	70- 80	4.636	2234	100,60.3
90	0.3209	0.2046	0.0802	0.1404	0.3289	0.1805	0.0562	0.1805	80- 90	0.3540	2235	100,60.4
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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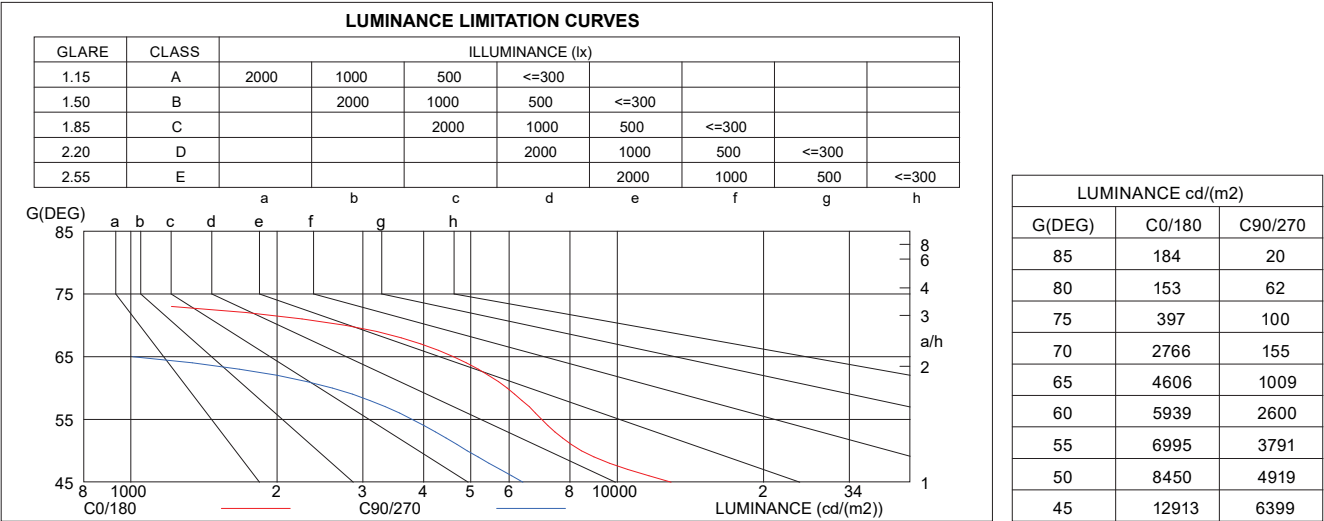
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γ Interval: 1.0DEG
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LUMINANCE LIMITATION CURVES



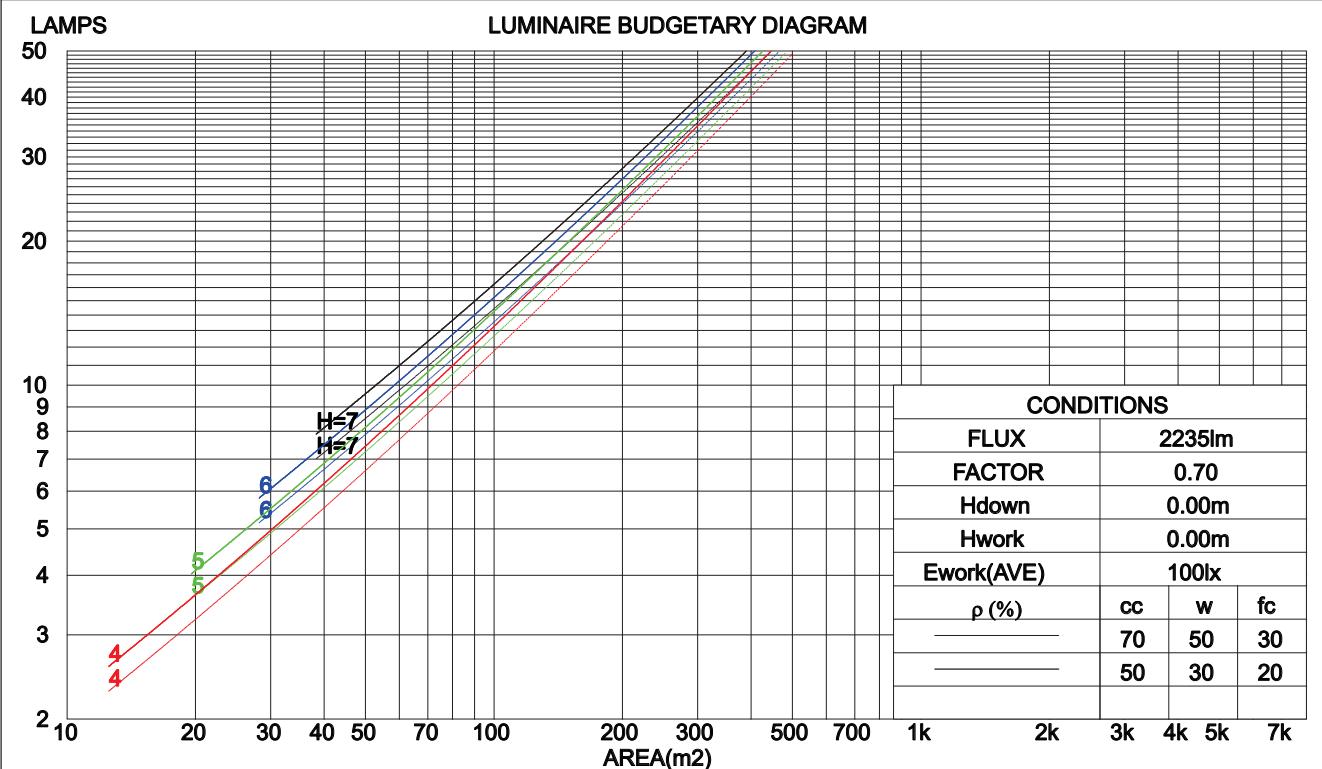


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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.72	.72	.72	.70	.70	.70	.67	.67	.67	.64	.64	.64	.62	.62	.62	.60
1.0	.67	.65	.64	.65	.64	.63	.63	.62	.61	.61	.60	.59	.59	.58	.57	.56
2.0	.62	.59	.57	.61	.59	.57	.59	.57	.55	.57	.56	.54	.55	.54	.53	.52
3.0	.58	.55	.52	.57	.54	.52	.55	.53	.51	.54	.52	.50	.52	.51	.49	.48
4.0	.54	.50	.48	.53	.50	.47	.52	.49	.47	.51	.48	.46	.49	.47	.46	.45
5.0	.50	.47	.44	.50	.46	.44	.49	.46	.44	.48	.45	.43	.47	.45	.43	.42
6.0	.47	.44	.41	.47	.43	.41	.46	.43	.41	.45	.42	.40	.44	.42	.40	.39
7.0	.45	.41	.38	.44	.41	.38	.43	.40	.38	.43	.40	.38	.42	.40	.38	.37
8.0	.42	.39	.36	.42	.38	.36	.41	.38	.36	.41	.38	.36	.40	.37	.36	.35
9.0	.40	.36	.34	.40	.36	.34	.39	.36	.34	.39	.36	.34	.38	.36	.34	.33
10.0	.38	.35	.32	.38	.34	.32	.37	.34	.32	.37	.34	.32	.36	.34	.32	.31



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UGR(Unified Glare Rating) Table

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	13.2	14.2	13.5	14.4	14.5	9.1	10.1	9.4	10.3	10.4
3H	13.4	14.3	13.6	14.5	14.7	9.0	9.9	9.3	10.1	10.3
4H	13.3	14.1	13.6	14.4	14.6	8.9	9.8	9.2	10.0	10.2
6H	13.2	14.0	13.5	14.2	14.5	8.8	9.6	9.1	9.9	10.1
8H	13.2	13.9	13.5	14.2	14.4	8.8	9.5	9.1	9.8	10.1
12H	13.1	13.8	13.4	14.1	14.4	8.7	9.5	9.1	9.7	10.0
4H 2H	13.1	14.0	13.4	14.2	14.4	9.4	10.2	9.6	10.4	10.7
3H	13.3	14.0	13.6	14.3	14.6	9.2	10.0	9.6	10.2	10.5
4H	13.2	13.9	13.5	14.2	14.5	9.1	9.8	9.5	10.1	10.4
6H	13.1	13.7	13.5	14.0	14.4	9.1	9.6	9.4	10.0	10.3
8H	13.1	13.6	13.4	13.9	14.3	9.0	9.5	9.4	9.9	10.3
12H	13.0	13.5	13.4	13.9	14.3	9.0	9.4	9.4	9.8	10.2
8H 4H	13.1	13.6	13.4	13.9	14.3	9.0	9.6	9.4	9.9	10.3
6H	13.0	13.4	13.4	13.8	14.2	8.9	9.4	9.4	9.8	10.2
8H	12.9	13.3	13.3	13.7	14.2	8.9	9.3	9.3	9.7	10.1
12H	12.8	13.2	13.3	13.6	14.1	8.8	9.2	9.3	9.6	10.1
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6H	12.9	13.3	13.3	13.7	14.1	8.9	9.3	9.3	9.7	10.1
8H	12.8	13.2	13.3	13.6	14.1	8.8	9.2	9.3	9.6	10.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.3 / - 3.0					+ 1.6 / - 2.7				
1.5H	+ 4.9 / - 2.4					+ 1.2 / - 1.6				
2.0H	+ 3.3 / - 2.2					+ 2.2 / - 3.3				

CIE Pub.117, 3703 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.5$)
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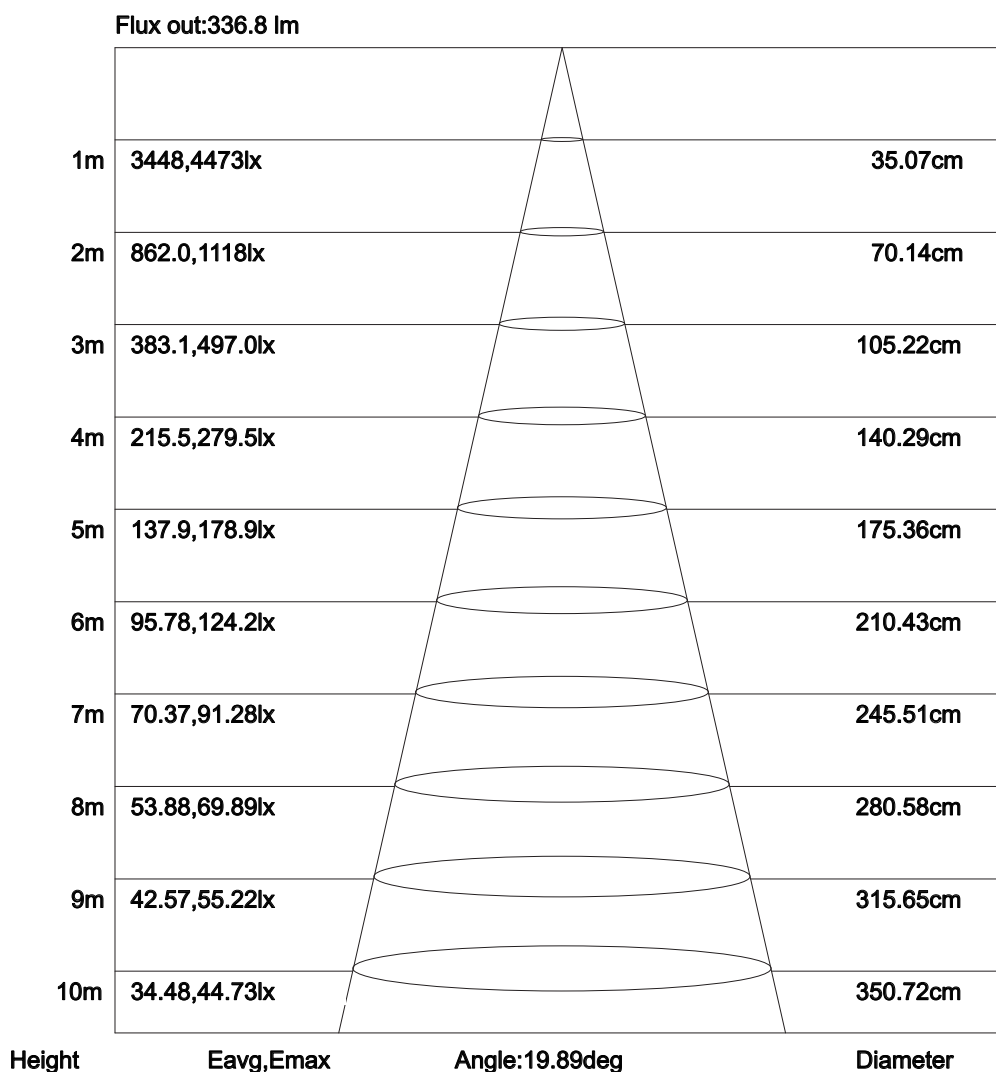
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AAI Figure



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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[illegible]

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