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VAT Registration Number: GB 661 1596 34

Photometric Report

Job / Report / Date	42 / 9102 / 9102-12b / 2010.03.26
Customer	Encapsulite International Ltd.
Luminaire Range	Stick-Lite
Luminaire catalog No.	HFI 30W Stick-Lite
Luminaire description	Sealed tubular luminaire with integral T8 fluorescent lamp Single distribution test used for series Not tested - Data derived from test series
Lamp description	30W T8 linear fluorescent
Lamp lumen output	1940lm
No. of lamps in luminaire	1

Photometric Report

- Pictures
- Luminaire information
- Report basis
- Polar Curves
- HV Distribution Curves
- Principal Axes Intensities
- Light Output Ratios & CIBSE TM5 Results
- Aspect Factors
- Luminous intensities
- Zonal Flux Calculations
- Luminance calculations
- VDT Luminance table
- CIBSE TM10 Glare Index Results
- CIE Glare Limiting (Soellnor) Diagram
- Comments
- Quick Design Table

Job / Report / Date

42 / 9102 / 9102-12b / 2010.03.26

Customer

Encapsulite International Ltd.

Luminaire Range

Stick-Lite

Luminaire catalog No.

HFI 30W Stick-Lite

Luminaire description

Sealed tubular luminaire
with integral T8 fluorescent lamp
Single distribution test used for series
Not tested - Data derived from test series

Lamp description

30W T8 linear fluorescent

Lamp lumen output

1940lm

No. of lamps in luminaire

1



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Luminaire physical characteristics

Overall Dimensions

Length	1178mm
Width	38mm
Height	38mm

Visible Dimensions when installed

Length	1178mm
Width	38mm
Height	38mm

Luminous Dimensions

Length	886mm
Width	35mm
Height 0°	35mm
Height 90°	35mm
Height 180°	35mm
Height 270°	35mm

Luminous Areas

Base	0.03101m ²
Sides	0.03101m ² (0°/180° azimuth)
Ends	0.001225m ² (90°/270° azimuth)

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Luminaire description Sealed tubular luminaire
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Lamp description 30W T8 linear fluorescent
Lamp lumen output 1940lm
No. of lamps in luminaire 1

Report Basis

All measurements taken in accordance with BS5225 / EN13032 / CIE24 / CIE27 / CIE121.

Control gear

1 * integral ballast
Ballast Voltage Range 220-240V

Electrical characteristics at 25°C

Luminaire	230V	181.9mA	0.70PF	29.3W	41.9VA
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Lumen Output figures used in this report (lumens)

Measured Luminaire Output	1,939
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Measured luminous efficacy at 25°C

Luminaire	66.3 lm/W
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Luminaire tests were performed with lamps in a horizontal orientation.

The photometric centre of the luminaire was taken as the geometric centre of the lamp.

The photometric nadir was taken to be perpendicular to the front face of the luminaire.

The luminaire has been treated as though it has 2 planes of symmetry through the 0°/180° plane and the 90°/270° plane.

The Lumen Output was determined at 25°C.

The lamp was treated as an integral part of the luminaire.

No measurement of the absolute lumen output of components of the lamp assembly were made. For calculation purposes, the Lumen Output figure mentioned in this report should be used in conjunction with a Light Output Ratio of 1.

No measurement of the ballast factor of the control gear was made.

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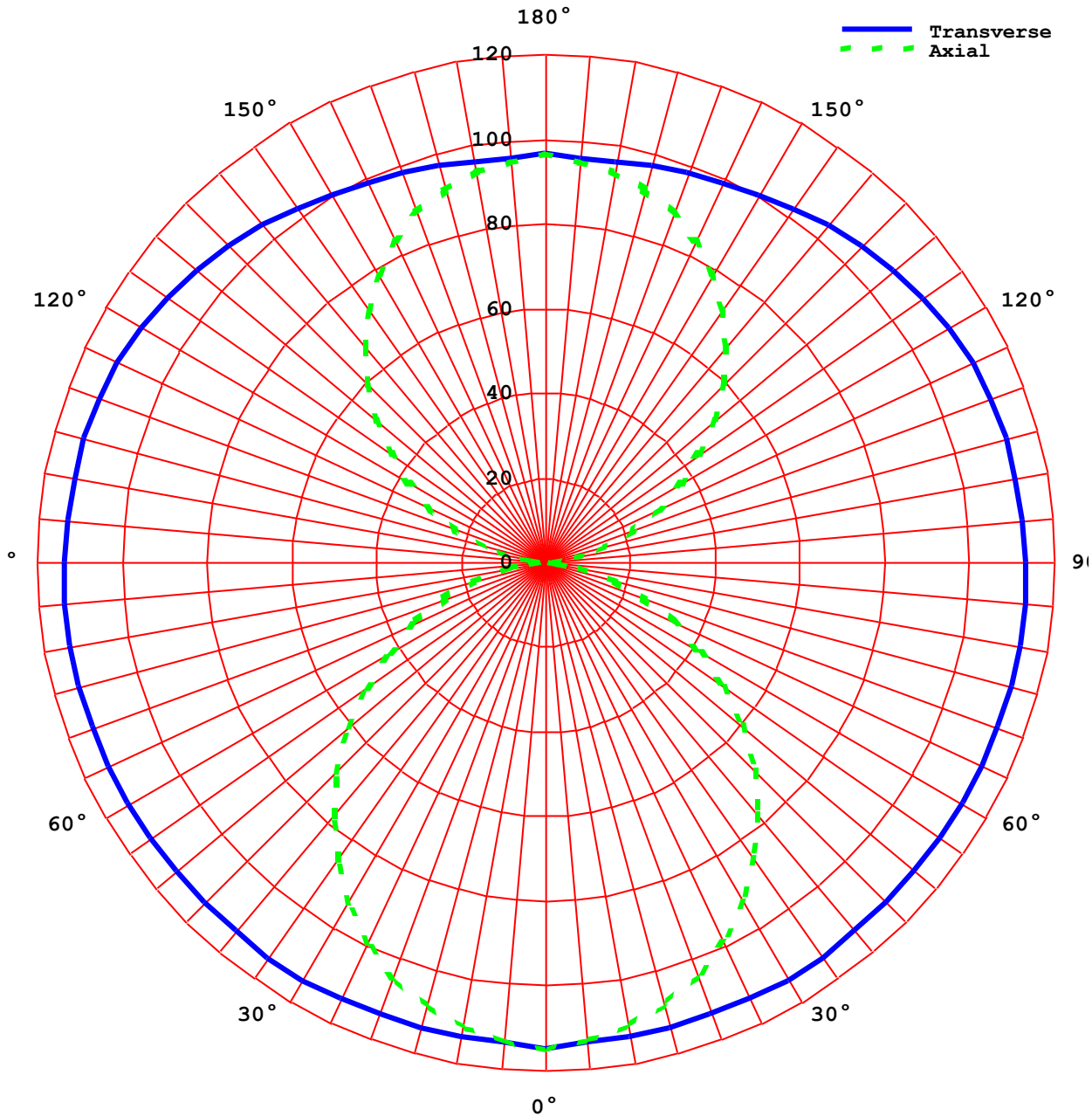
Lamp lumen output

1940lm

No. of lamps in luminaire

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Average Principal Axes Luminous Intensities (cd/klm)



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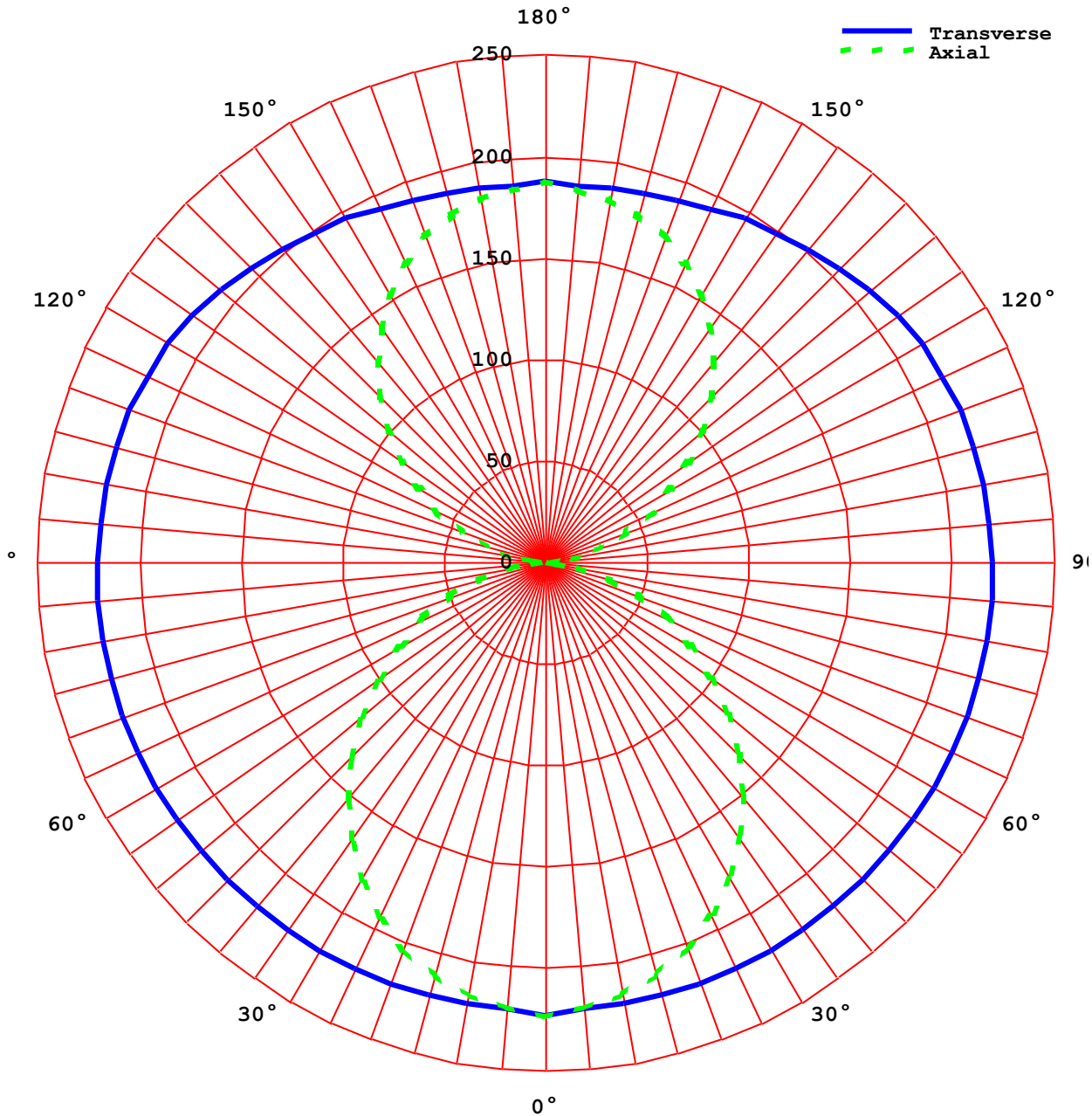
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Average Principal Axes Luminous Intensities (cd)



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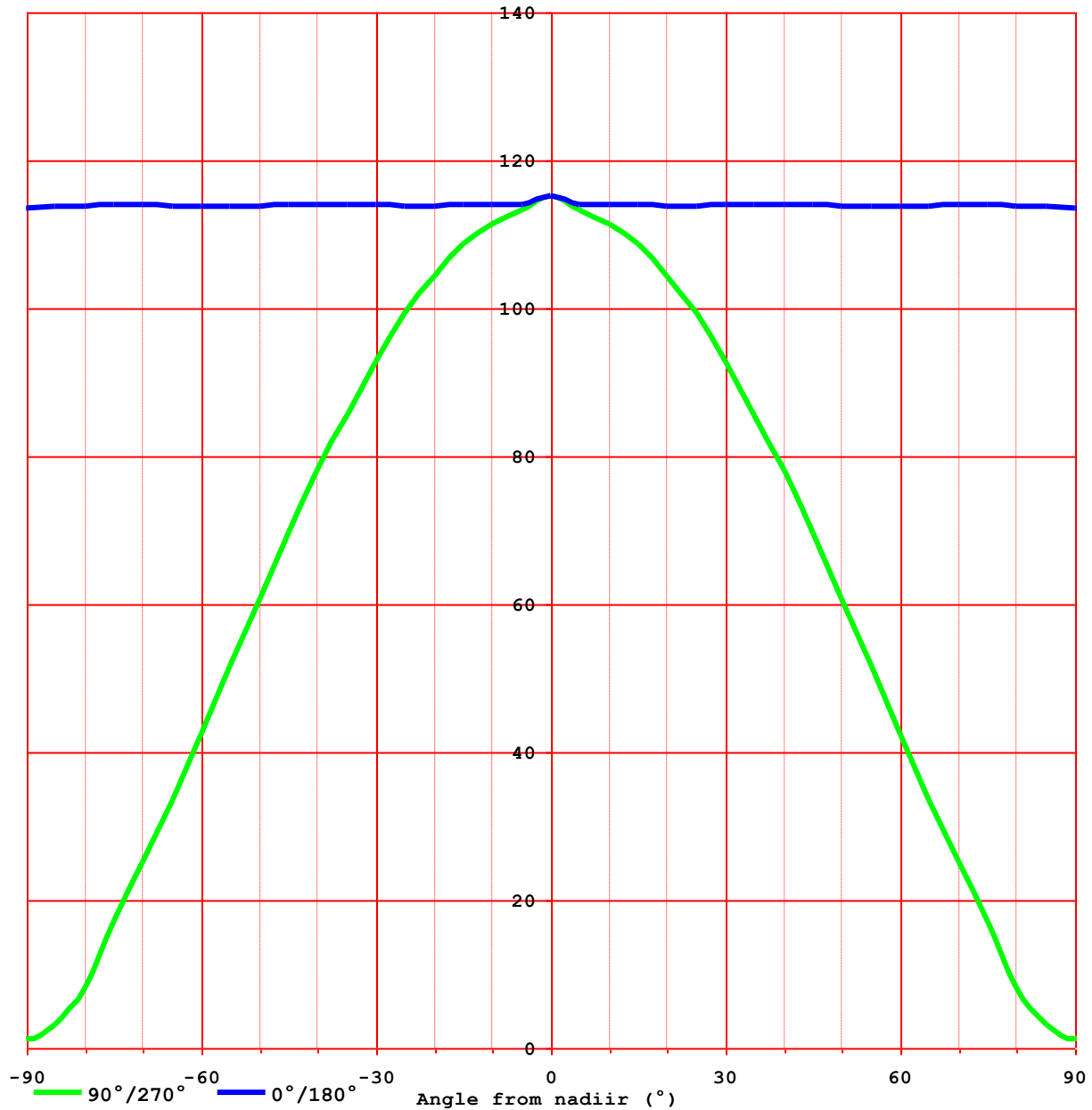
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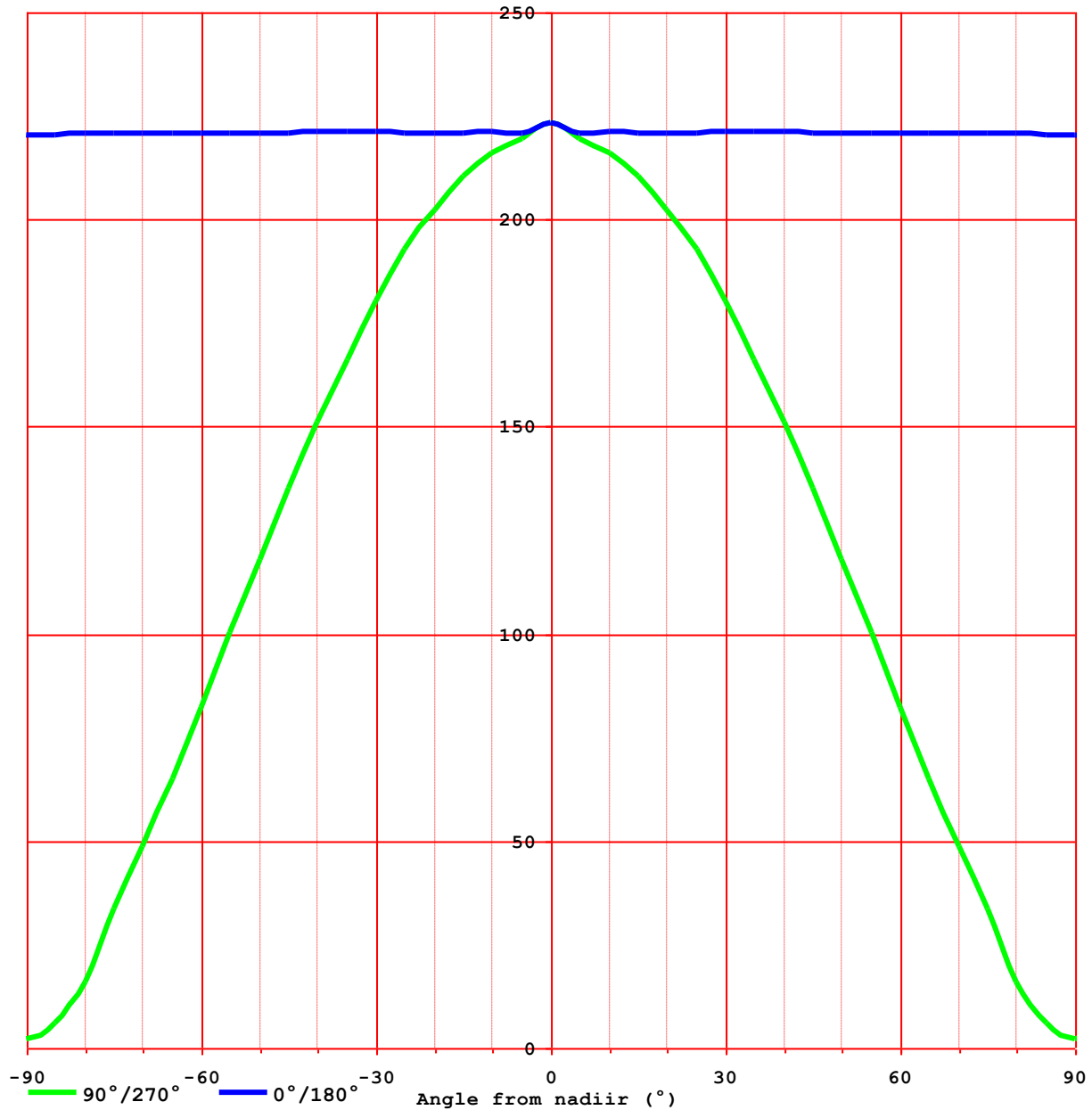
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1

Average Luminous Intensities (cd/Klm)

Angle	Transverse plane	Axial plane
0°	115.09	115.09
5°	113.93	113.24
10°	113.96	111.44
15°	113.94	108.57
20°	113.85	104.40
25°	113.78	99.34
30°	114.07	92.87
35°	114.03	85.61
40°	113.96	77.97
45°	113.89	69.58
50°	113.85	60.79
55°	113.78	51.61
60°	113.75	42.37
65°	113.81	33.61
70°	113.87	25.06
75°	113.88	17.22
80°	113.80	8.20
85°	113.71	3.16
90°	113.59	1.09
95°	113.19	3.55
100°	112.76	9.05
105°	112.40	14.98
110°	111.93	22.13
115°	111.23	29.64
120°	110.24	36.93
125°	108.91	44.52
130°	107.38	51.94
135°	105.57	59.55
140°	103.85	66.13
145°	102.03	72.61
150°	100.38	78.24
155°	98.60	83.62
160°	97.56	87.74
165°	96.75	91.12
170°	95.99	93.42
175°	95.54	94.93
180°	96.61	96.61

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Average Luminous Intensities (cd)

Angle	Transverse plane	Axial plane
0°	223.16	223.16
5°	220.92	219.57
10°	220.97	216.07
15°	220.93	210.51
20°	220.76	202.44
25°	220.63	192.61
30°	221.18	180.08
35°	221.11	165.99
40°	220.97	151.19
45°	220.83	134.92
50°	220.76	117.87
55°	220.63	100.08
60°	220.56	82.15
65°	220.68	65.16
70°	220.80	48.59
75°	220.82	33.40
80°	220.67	15.90
85°	220.48	6.12
90°	220.26	2.12
95°	219.48	6.89
100°	218.65	17.56
105°	217.94	29.06
110°	217.03	42.90
115°	215.67	57.47
120°	213.76	71.61
125°	211.18	86.33
130°	208.21	100.72
135°	204.70	115.47
140°	201.36	128.22
145°	197.84	140.79
150°	194.64	151.71
155°	191.18	162.14
160°	189.16	170.14
165°	187.59	176.69
170°	186.12	181.14
175°	185.25	184.07
180°	187.33	187.33

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No. of lamps in luminaire 1

Light Output Ratios	Up	0.48
	Down	0.52
	Total	1.00

Spacing to Height Ratios	SHR NOM	1.75
	SHR MAX	1.84
	SHR MAX TRANS	2.46

Utilisation Factors UF(F) Standard Presentation SHR NOM = 1.75

Room Reflectances			Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
.70	.50	.20	N/A	.50	.56	.61	.68	.72	.75	.80	.83	
	.30		N/A	.43	.49	.54	.61	.66	.70	.75	.79	
	.10		N/A	.37	.43	.48	.55	.61	.65	.71	.75	
.50	.50	.20	N/A	.43	.48	.52	.57	.61	.64	.68	.70	
	.30		N/A	.37	.42	.46	.52	.56	.59	.64	.67	
	.10		N/A	.32	.37	.41	.48	.52	.56	.61	.64	
.30	.50	.20	N/A	.36	.40	.43	.47	.50	.53	.56	.58	
	.30		N/A	.31	.35	.39	.44	.47	.50	.53	.56	
	.10		N/A	.27	.32	.35	.40	.44	.47	.51	.53	
.00	.00	.00	N/A	.20	.23	.25	.29	.31	.33	.36	.38	
BZ Class			N/A	6	6	6	6	6	6	7	7	

CIE Flux code 32 / 58 / 80 / 52 / 100

CIE Room Index	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.0	20.0					
CIE DRR	0.22	0.28	0.33	0.40	0.45	0.53	0.58	0.62	0.66	0.68	0.69	0.66					
CIE class	7	/	8	/	8	/	8	/	8	/	8	/	9	/	-	/	-

Flux Fraction Ratio 0.92
DIN Class 1.00 C

Calculated in accordance with CIBSE Technical Memorandum No. 5 1980

In accordance with TM5, this UF table is valid for values of SHR from 0.5 below SHR NOM to 0.5 above SHR NOM. SHR MAX is a separate limitation.

Reflectances given in the UF table are the effective reflectances of the ceiling cavity, walls and floor cavity, and must be determined for the actual room in which the luminaire will be used.

UF(F), UF(W), and UF(C) for 0% reflectance of the room surfaces are equivalent to DF(F), DF(W) and DF(C) respectively.

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Lamp description

30W T8 linear fluorescent

Lamp lumen output

1940lm

No. of lamps in luminaire

1

Angle

Aspect Factors

	Parallel plane	Perpendicular plane
0°	0.000	0.000
5°	0.086	0.004
10°	0.171	0.015
15°	0.252	0.033
20°	0.329	0.057
25°	0.401	0.087
30°	0.465	0.120
35°	0.522	0.157
40°	0.571	0.194
45°	0.613	0.232
50°	0.646	0.269
55°	0.672	0.302
60°	0.691	0.333
65°	0.704	0.358
70°	0.713	0.379
75°	0.718	0.394
80°	0.720	0.403
85°	0.720	0.408
90°	0.720	0.409

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Zonal Flux Calculations

Angles	Individual	Cumulative
0° - 5°	0.3%	0.3%
5° - 10°	0.8%	1.1%
10° - 15°	1.3%	2.4%
15° - 20°	1.8%	4.2%
20° - 25°	2.3%	6.5%
25° - 30°	2.7%	9.2%
30° - 35°	3.0%	12.2%
35° - 40°	3.3%	15.4%
40° - 45°	3.5%	18.9%
45° - 50°	3.6%	22.6%
50° - 55°	3.7%	26.3%
55° - 60°	3.8%	30.1%
60° - 65°	3.8%	33.9%
65° - 70°	3.7%	37.6%
70° - 75°	3.7%	41.3%
75° - 80°	3.6%	44.9%
80° - 85°	3.5%	48.5%
85° - 90°	3.5%	52.0%
90° - 95°	3.5%	55.5%
95° - 100°	3.5%	59.0%
100° - 105°	3.5%	62.5%
105° - 110°	3.6%	66.1%
110° - 115°	3.6%	69.7%
115° - 120°	3.6%	73.3%
120° - 125°	3.5%	76.8%
125° - 130°	3.4%	80.3%
130° - 135°	3.3%	83.6%
135° - 140°	3.1%	86.7%
140° - 145°	2.9%	89.6%
145° - 150°	2.6%	92.2%
150° - 155°	2.3%	94.5%
155° - 160°	1.9%	96.4%
160° - 165°	1.5%	98.0%
165° - 170°	1.1%	99.1%
170° - 175°	0.7%	99.8%
175° - 180°	0.2%	100.0%

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 Lamp lumen output 1940lm
 No. of lamps in luminaire 1

Averaged Luminance Values (Cd/m²)

Elevation(°)

Azimuth(°)

	0°	15°	30°	45°	60°	75°	90°
45°	5035	4953	4864	4740	4730	4987	5919
50°	5053	4950	4819	4615	4505	4677	5647
55°	5108	4984	4812	4523	4298	4337	5326
60°	5207	5061	4847	4463	4117	4022	4959
65°	5355	5187	4927	4460	3972	3698	4584
70°	5555	5366	5069	4506	3874	3378	4133
75°	5814	5606	5281	4630	3853	3107	3627
80°	6143	5916	5566	4841	3958	2854	2412
85°	6563	6321	5964	5196	4223	2835	1560
	90°	105°	120°	135°	150°	165°	180°
45°	5919	4987	4730	4740	4864	4953	5035
50°	5647	4677	4505	4615	4819	4950	5053
55°	5326	4337	4298	4523	4812	4984	5108
60°	4959	4022	4117	4463	4847	5061	5207
65°	4584	3698	3972	4460	4927	5187	5355
70°	4133	3378	3874	4506	5069	5366	5555
75°	3627	3107	3853	4630	5281	5606	5814
80°	2412	2854	3958	4841	5566	5916	6143
85°	1560	2835	4223	5196	5964	6321	6563
	180°	195°	210°	225°	240°	255°	270°
45°	5035	4953	4864	4740	4730	4987	5919
50°	5053	4950	4819	4615	4505	4677	5647
55°	5108	4984	4812	4523	4298	4337	5326
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75°	5814	5606	5281	4630	3853	3107	3627
80°	6143	5916	5566	4841	3958	2854	2412
85°	6563	6321	5964	5196	4223	2835	1560
	270°	285°	300°	315°	330°	345°	0°
45°	5919	4987	4730	4740	4864	4953	5035
50°	5647	4677	4505	4615	4819	4950	5053
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60°	4959	4022	4117	4463	4847	5061	5207
65°	4584	3698	3972	4460	4927	5187	5355
70°	4133	3378	3874	4506	5069	5366	5555
75°	3627	3107	3853	4630	5281	5606	5814
80°	2412	2854	3958	4841	5566	5916	6143
85°	1560	2835	4223	5196	5964	6321	6563

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Non averaged Luminance Values (Cd/m²)

Elevation(°)	Azimuth(°)						
	0°	15°	30°	45°	60°	75°	90°
45°	5026	4953	4883	4782	4768	5039	6016
50°	5043	4949	4837	4653	4536	4729	5722
55°	5100	4984	4830	4557	4322	4368	5407
60°	5200	5063	4866	4502	4143	4070	5039
65°	5348	5188	4948	4502	4028	3748	4630
70°	5548	5368	5094	4536	3897	3428	4186
75°	5808	5611	5310	4652	3860	3145	3656
80°	6140	5923	5594	4866	3965	2881	2421
85°	6564	6333	5995	5213	4227	2863	1583
	90°	105°	120°	135°	150°	165°	180°
45°	6016	5019	4808	4779	4916	4980	5044
50°	5722	4731	4583	4665	4872	4978	5063
55°	5407	4393	4350	4571	4869	5013	5117
60°	5039	4069	4204	4518	4908	5090	5213
65°	4630	3743	4039	4527	4988	5216	5362
70°	4186	3405	3959	4580	5129	5395	5563
75°	3656	3085	3924	4705	5346	5636	5820
80°	2421	2854	4053	4919	5628	5942	6146
85°	1583	2819	4312	5282	6026	6343	6562
	180°	195°	210°	225°	240°	255°	270°
45°	5044	4947	4819	4699	4665	4962	5823
50°	5063	4945	4777	4575	4438	4642	5573
55°	5117	4977	4763	4482	4242	4329	5246
60°	5213	5050	4791	4414	4043	3988	4879
65°	5362	5176	4870	4400	3897	3667	4538
70°	5563	5353	5005	4439	3795	3364	4079
75°	5820	5589	5205	4555	3783	3129	3597
80°	6146	5897	5491	4761	3862	2869	2402
85°	6562	6298	5885	5106	4127	2845	1537
	270°	285°	300°	315°	330°	345°	0°
45°	5823	4928	4679	4701	4838	4932	5026
50°	5573	4605	4462	4569	4789	4927	5043
55°	5246	4258	4279	4484	4786	4964	5100
60°	4879	3962	4078	4416	4821	5042	5200
65°	4538	3634	3925	4410	4904	5167	5348
70°	4079	3315	3845	4467	5047	5346	5548
75°	3597	3068	3846	4607	5262	5588	5808
80°	2402	2811	3953	4819	5551	5901	6140
85°	1537	2815	4225	5184	5950	6310	6564

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Elevation(°)

Azimuth(°)

	0°	15°	30°	45°	60°	75°	90°
45°	2597	2554	2509	2445	2439	2572	3053
50°	2606	2553	2485	2380	2323	2412	2913
55°	2635	2571	2482	2333	2217	2237	2747
60°	2685	2610	2500	2301	2123	2074	2558
65°	2762	2675	2541	2300	2049	1907	2364
70°	2865	2767	2614	2324	1998	1742	2131
75°	2999	2891	2723	2388	1987	1602	1870
80°	3168	3051	2870	2497	2041	1472	1244
85°	3385	3260	3076	2680	2178	1462	804
	90°	105°	120°	135°	150°	165°	180°
45°	3053	2572	2439	2445	2509	2554	2597
50°	2913	2412	2323	2380	2485	2553	2606
55°	2747	2237	2217	2333	2482	2571	2635
60°	2558	2074	2123	2301	2500	2610	2685
65°	2364	1907	2049	2300	2541	2675	2762
70°	2131	1742	1998	2324	2614	2767	2865
75°	1870	1602	1987	2388	2723	2891	2999
80°	1244	1472	2041	2497	2870	3051	3168
85°	804	1462	2178	2680	3076	3260	3385
	180°	195°	210°	225°	240°	255°	270°
45°	2597	2554	2509	2445	2439	2572	3053
50°	2606	2553	2485	2380	2323	2412	2913
55°	2635	2571	2482	2333	2217	2237	2747
60°	2685	2610	2500	2301	2123	2074	2558
65°	2762	2675	2541	2300	2049	1907	2364
70°	2865	2767	2614	2324	1998	1742	2131
75°	2999	2891	2723	2388	1987	1602	1870
80°	3168	3051	2870	2497	2041	1472	1244
85°	3385	3260	3076	2680	2178	1462	804
	270°	285°	300°	315°	330°	345°	0°
45°	3053	2572	2439	2445	2509	2554	2597
50°	2913	2412	2323	2380	2485	2553	2606
55°	2747	2237	2217	2333	2482	2571	2635
60°	2558	2074	2123	2301	2500	2610	2685
65°	2364	1907	2049	2300	2541	2675	2762
70°	2131	1742	1998	2324	2614	2767	2865
75°	1870	1602	1987	2388	2723	2891	2999
80°	1244	1472	2041	2497	2870	3051	3168
85°	804	1462	2178	2680	3076	3260	3385

Customer Encapsulite International Ltd.
 Luminaire Range Stick-Lite
 Luminaire catalog No. HFI 30W Stick-Lite
 Luminaire description Sealed tubular luminaire
 with integral T8 fluorescent lamp
 Single distribution test used for series
 Not tested - Data derived from test series
 Lamp description 30W T8 linear fluorescent
 Lamp lumen output 1940lm
 No. of lamps in luminaire 1

Non averaged Luminance Values (Cd/m²/klm)

Elevation(°)	Azimuth(°)						
	0°	15°	30°	45°	60°	75°	90°
45°	2592	2554	2519	2466	2459	2599	3102
50°	2601	2552	2495	2400	2339	2439	2951
55°	2630	2570	2491	2350	2229	2253	2789
60°	2682	2611	2510	2322	2137	2099	2599
65°	2758	2676	2552	2322	2077	1933	2388
70°	2861	2769	2627	2339	2010	1768	2159
75°	2996	2894	2738	2399	1991	1622	1886
80°	3166	3055	2885	2509	2045	1486	1249
85°	3385	3266	3092	2688	2180	1476	816
	90°	105°	120°	135°	150°	165°	180°
45°	3102	2589	2479	2464	2535	2568	2602
50°	2951	2440	2364	2406	2513	2567	2611
55°	2789	2266	2243	2357	2511	2585	2639
60°	2599	2098	2168	2330	2531	2625	2689
65°	2388	1931	2083	2335	2572	2690	2766
70°	2159	1756	2042	2362	2645	2782	2869
75°	1886	1591	2024	2427	2757	2907	3002
80°	1249	1472	2090	2537	2902	3064	3170
85°	816	1454	2224	2724	3108	3271	3384
	180°	195°	210°	225°	240°	255°	270°
45°	2602	2551	2485	2424	2406	2559	3003
50°	2611	2550	2463	2360	2289	2394	2874
55°	2639	2567	2456	2311	2188	2233	2705
60°	2689	2604	2471	2276	2085	2057	2516
65°	2766	2669	2512	2269	2010	1891	2340
70°	2869	2761	2581	2289	1957	1735	2104
75°	3002	2882	2684	2349	1951	1614	1855
80°	3170	3041	2832	2456	1992	1480	1239
85°	3384	3248	3035	2633	2129	1467	793
	270°	285°	300°	315°	330°	345°	0°
45°	3003	2542	2413	2424	2495	2544	2592
50°	2874	2375	2301	2356	2470	2541	2601
55°	2705	2196	2207	2313	2469	2560	2630
60°	2516	2043	2103	2278	2486	2600	2682
65°	2340	1874	2024	2274	2529	2665	2758
70°	2104	1710	1983	2304	2603	2757	2861
75°	1855	1582	1983	2376	2714	2882	2996
80°	1239	1450	2039	2485	2863	3043	3166
85°	793	1452	2179	2673	3068	3254	3385

Job / Report / Date 42 / 9102 / 9102-12b / 2010.03.26

Customer Encapsulite International Ltd.
Luminaire Range Stick-Lite
Luminaire catalog No. HFI 30W Stick-Lite
Luminaire description Sealed tubular luminaire
with integral T8 fluorescent lamp
Single distribution test used for series
Not tested - Data derived from test series
Lamp description 30W T8 linear fluorescent
Lamp lumen output 1940lm
No. of lamps in luminaire 1

Maximum Non averaged Luminance Values (Cd/m²)

Elevation(°)

	Maximum	Azimuth Angle

45°	6016	90°
50°	5722	90°
55°	5407	90°
60°	5213	180°
65°	5362	180°
70°	5563	180°
75°	5820	180°
80°	6146	180°
85°	6564	0°

Job / Report / Date 42 / 9102 / 9102-12b / 2010.03.26

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Lamp description 30W T8 linear fluorescent
Lamp lumen output 1940lm
No. of lamps in luminaire 1

VDT Luminance Information
BS EN 12464 / CIBSE LG7 / CIBSE LG3 (2001)

Permitted Usage according to Screen Type and Luminance Limit Angle	Limiting luminance (Cd/m ²)	Use permitted at Luminance Limit Angle(°)	
		55°	65°
Screen Type III (No screen treatment) used with some negative polarity software	200	NO	NO
Screen Type I and II (Good or moderate screen treatment) used with some negative polarity software	500	NO	NO
Screen Type III (No screen treatment) used with only positive polarity software	1000	NO	NO
Screen Type I and II (Good or moderate screen treatment) used with only positive polarity software	1500	NO	NO

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 Not tested - Data derived from test series
 Lamp description 30W T8 linear fluorescent
 Lamp lumen output 1940lm
 No. of lamps in luminaire 1

Uncorrected Glare Indices

Reflectance of										
Ceiling	.70	.70	.50	.50	.30	.70	.70	.50	.50	.30
Wall	.50	.30	.50	.30	.30	.50	.30	.50	.30	.30
Floor Cavity	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20

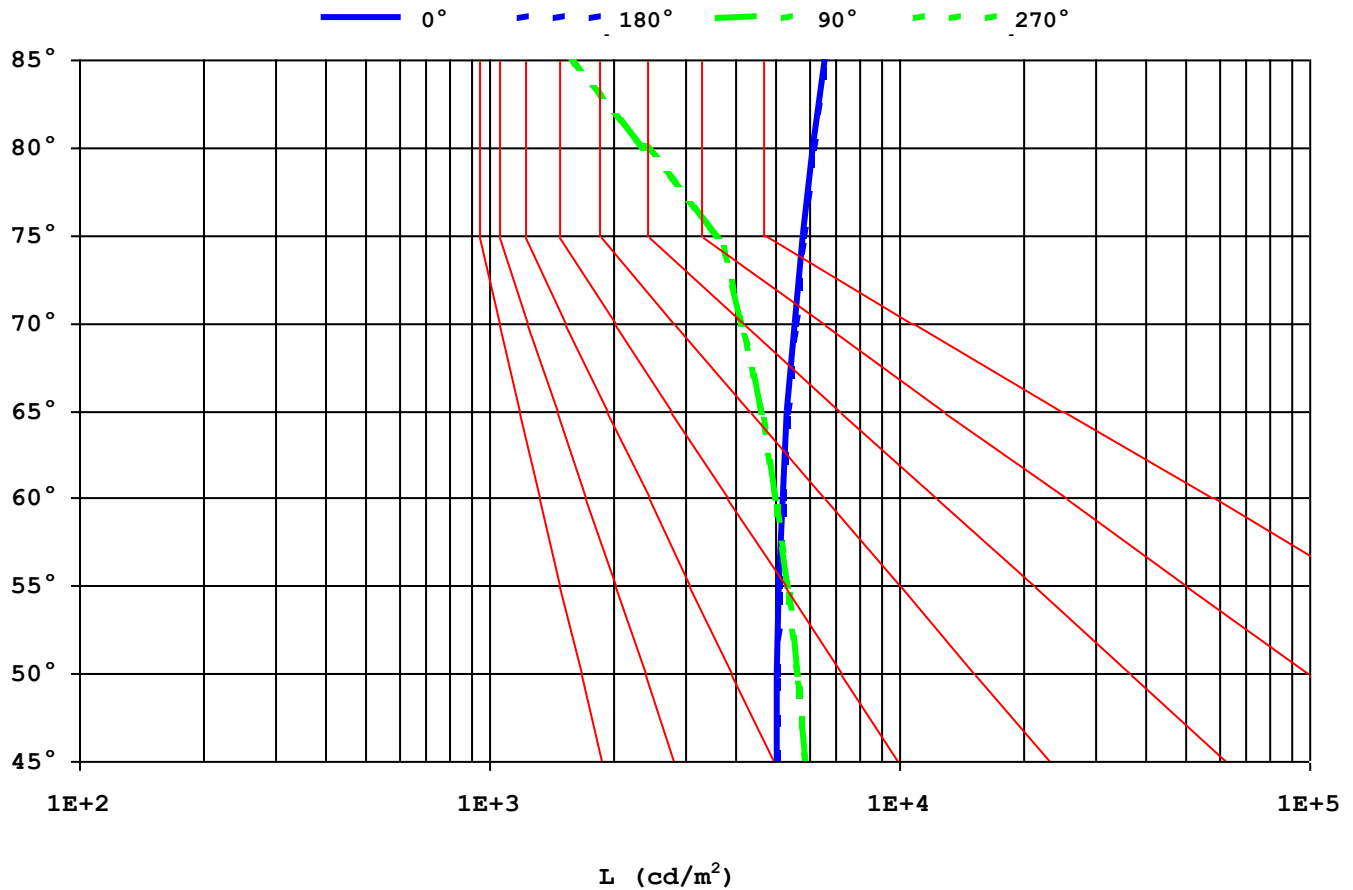
Room dimension		Viewed crosswise					Viewed endwise				
X Y		0°					90°				
2H	2H	11.7	12.9	12.8	14.1	15.6	7.6	8.9	8.8	10.1	11.6
	3H	15.1	16.3	16.3	17.5	19.0	9.5	10.7	10.7	11.9	13.4
	4H	16.9	18.0	18.1	19.2	20.7	10.2	11.3	11.4	12.5	14.1
	6H	18.8	19.8	20.0	21.0	22.6	10.7	11.7	11.9	12.9	14.5
	8H	19.7	20.7	20.9	21.9	23.5	10.8	11.8	12.0	13.0	14.6
	12H	20.7	21.7	21.9	22.9	24.5	10.9	11.8	12.1	13.0	14.6
4H	2H	12.5	13.6	13.7	14.8	16.4	9.9	11.0	11.1	12.2	13.7
	3H	16.3	17.3	17.5	18.5	20.1	12.0	13.0	13.2	14.2	15.8
	4H	18.4	19.2	19.6	20.5	22.1	13.0	13.9	14.2	15.1	16.7
	6H	20.5	21.2	21.7	22.5	24.1	13.7	14.5	14.9	15.7	17.3
	8H	21.6	22.3	22.8	23.6	25.2	13.9	14.7	15.2	15.9	17.6
	12H	22.8	23.4	24.0	24.7	26.4	14.1	14.8	15.4	16.0	17.7
8H	4H	19.0	19.7	20.2	21.0	22.6	15.3	16.1	16.6	17.3	19.0
	6H	21.4	22.0	22.6	23.3	24.9	16.3	17.0	17.6	18.2	19.9
	8H	22.8	23.4	24.1	24.6	26.3	16.9	17.4	18.1	18.7	20.4
	12H	24.2	24.7	25.5	26.0	27.7	17.2	17.7	18.5	19.0	20.6
12H	4H	19.1	19.8	20.4	21.0	22.7	16.4	17.1	17.7	18.4	20.0
	6H	21.7	22.2	23.0	23.5	25.2	17.7	18.3	19.0	19.6	21.2
	8H	23.1	23.6	24.4	24.9	26.6	18.3	18.8	19.6	20.1	21.8

Calculated in accordance with CIBSE Technical Memorandum No. 10 1985

Customer Encapsulite International Ltd.
Luminaire Range Stick-Lite
Luminaire catalog No. HFI 30W Stick-Lite
Luminaire description Sealed tubular luminaire
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Single distribution test used for series
Not tested - Data derived from test series
Lamp description 30W T8 linear fluorescent
Lamp lumen output 1940lm
No. of lamps in luminaire 1

CIE Glare Limiting (Soellnor) Diagram

Glare Rating	Quality Class	Service values of illuminance							
		a	b	c	d	e	f	g	h
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



Job / Report / Date	42 / 9102 / 9102-12b / 2010.03.26
Customer	Encapsulite International Ltd.
Luminaire Range	Stick-Lite
Luminaire catalog No.	HFI 30W Stick-Lite
Luminaire description	Sealed tubular luminaire with integral T8 fluorescent lamp Single distribution test used for series Not tested - Data derived from test series
Lamp description	30W T8 linear fluorescent
Lamp lumen output	1940lm
No. of lamps in luminaire	1

Comments

It is recommended that point to point calculations are used when designing lighting schemes in order to accurately predict uniformity. Data files in various formats are available to allow easy transfer of this data to a computer. Please enquire for details.

Job / Report / Date 42 / 9102 / 9102-12b / 2010.03.26

Customer Encapsulite International Ltd.
Luminaire Range Stick-Lite
Luminaire catalog No. HFI 30W Stick-Lite
Luminaire description Sealed tubular luminaire
with integral T8 fluorescent lamp
Single distribution test used for series
Not tested - Data derived from test series
Lamp description 30W T8 linear fluorescent
Lamp lumen output 1940lm
No. of lamps in luminaire 1

Quick Design Table

Based on: reflectances of Ceiling = 0.5
Wall = 0.5
Floor = 0.2
Room Index = 2.00
lamp output = 1939 lumens
ballast lumen factor = 1.00

To achieve an Illuminance of 100 lux

Surface Area (m ²)	20	30	40	50	80	100	200	300	500
No. of luminaires	1.8	2.7	3.6	4.5	7.2	9.0	18.1	27.1	45.2