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VAT Registration Number: GB 661 1596 34

Photometric Report

Job / Report / Date

42 / 9102 / 9102-13b / 2010.03.26

Customer	Encapsulite International Ltd.
Luminaire Range	Stick-Lite
Luminaire catalog No.	HFI 36W Stick-Lite
Luminaire description	Sealed tubular luminaire with integral T8 fluorescent lamp Single distribution test used for series
Lamp description	36W T8 linear fluorescent
Lamp lumen output	2530lm
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
- VDI Luminance table
- CIBSE TM10 Glare Index Results
- CIE Glare Limiting (Soellnor) Diagram
- Comments
- Quick Design Table

Job / Report / Date

42 / 9102 / 9102-13b / 2010.03.26

Customer

Encapsulite International Ltd.

Luminaire Range

Stick-Lite

Luminaire catalog No.

HFI 36W Stick-Lite

Luminaire description

Sealed tubular luminaire
with integral T8 fluorescent lamp
Single distribution test used for series

Lamp description

36W T8 linear fluorescent

Lamp lumen output

2530lm

No. of lamps in luminaire

1



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Luminaire physical characteristics

Overall Dimensions

Length	1479mm
Width	38mm
Height	38mm

Visible Dimensions when installed

Length	1479mm
Width	38mm
Height	38mm

Luminous Dimensions

Length	1172mm
Width	35mm
Height 0°	35mm
Height 90°	35mm
Height 180°	35mm
Height 270°	35mm

Luminous Areas

Base	0.04102m ²
Sides	0.04102m ² (0°/180° azimuth)
Ends	0.001225m ² (90°/270° azimuth)

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Lamp lumen output 2530lm
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	145.0mA	0.99PF	33.0W	33.4VA
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Lumen Output figures used in this report (lumens)

Measured Luminaire Output	2,529
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Measured luminous efficacy at 25°C

Luminaire	76.7 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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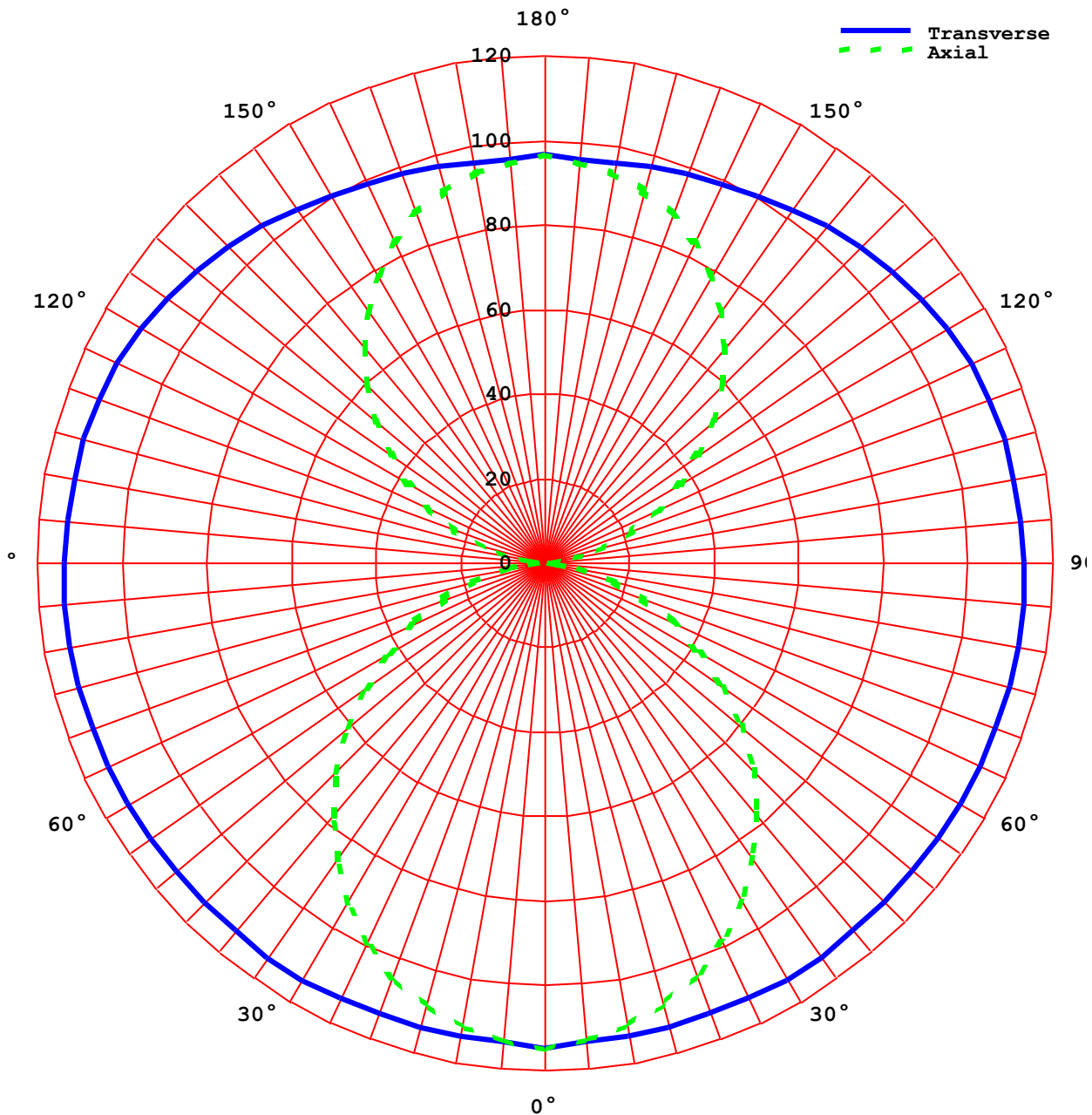
Lamp lumen output

2530lm

No. of lamps in luminaire

1

Average Principal Axes Luminous Intensities (cd/klm)



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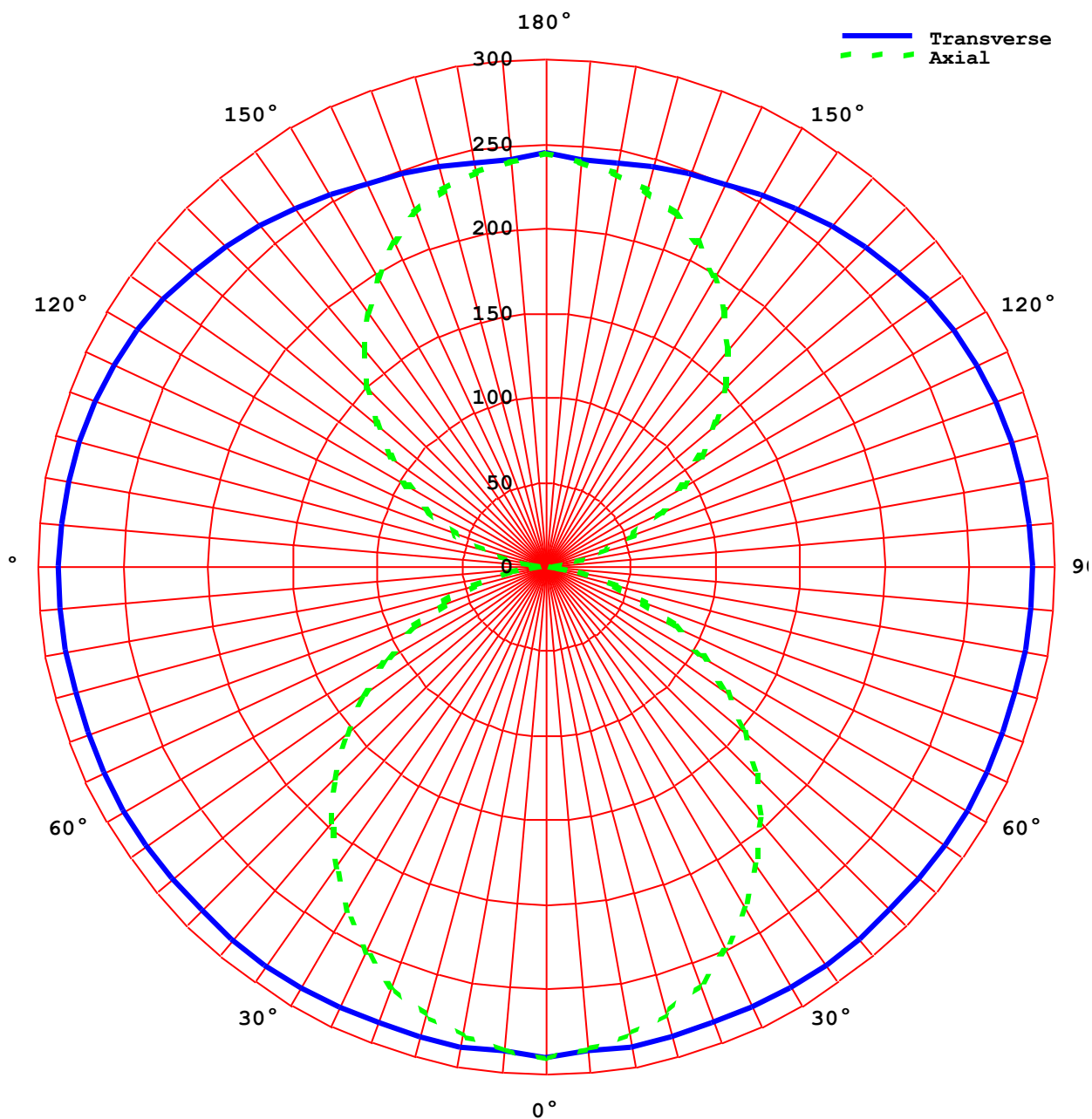
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No. of lamps in luminaire

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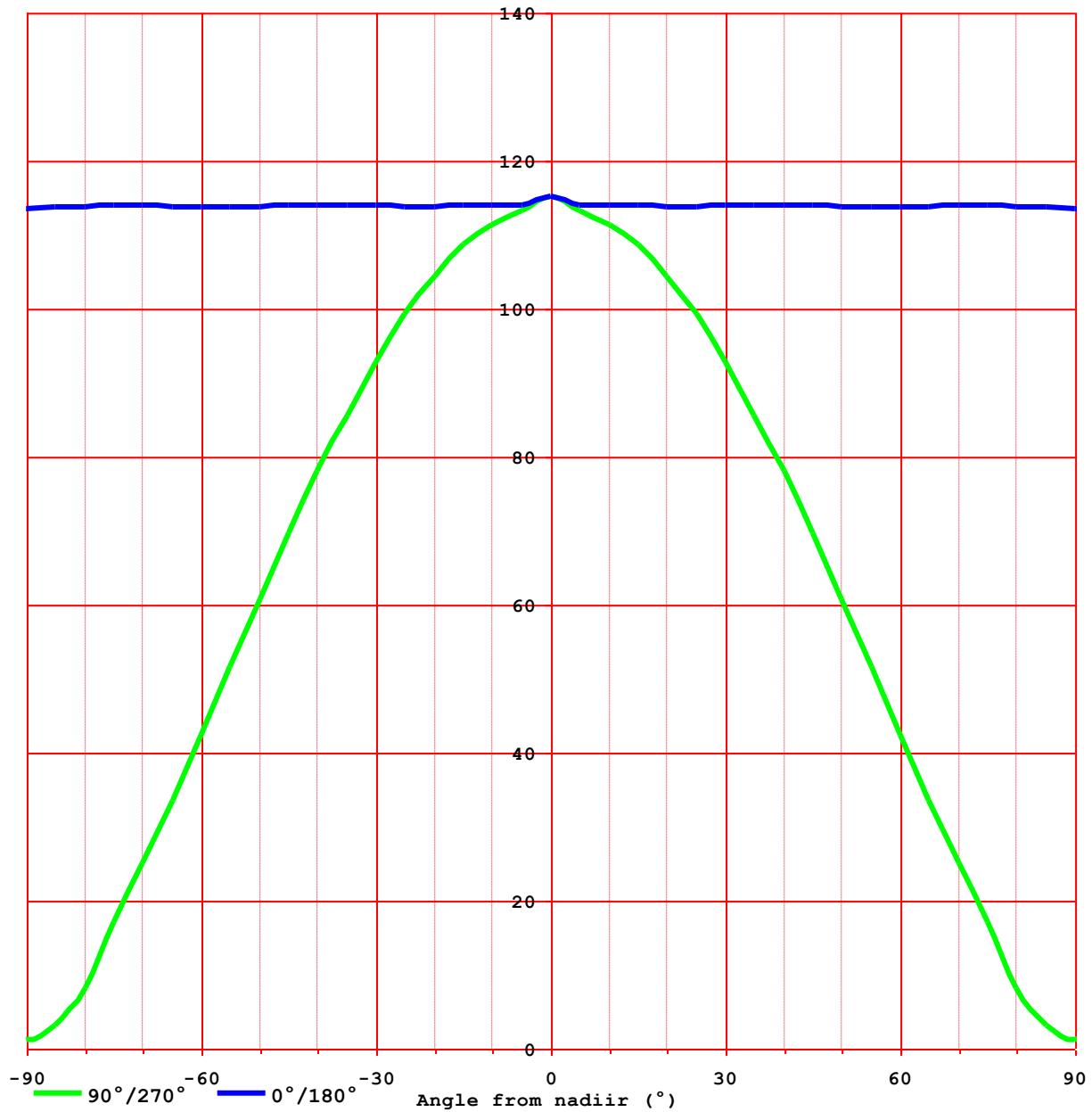
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Average Principal Axes Luminous Intensities (cd/klm)



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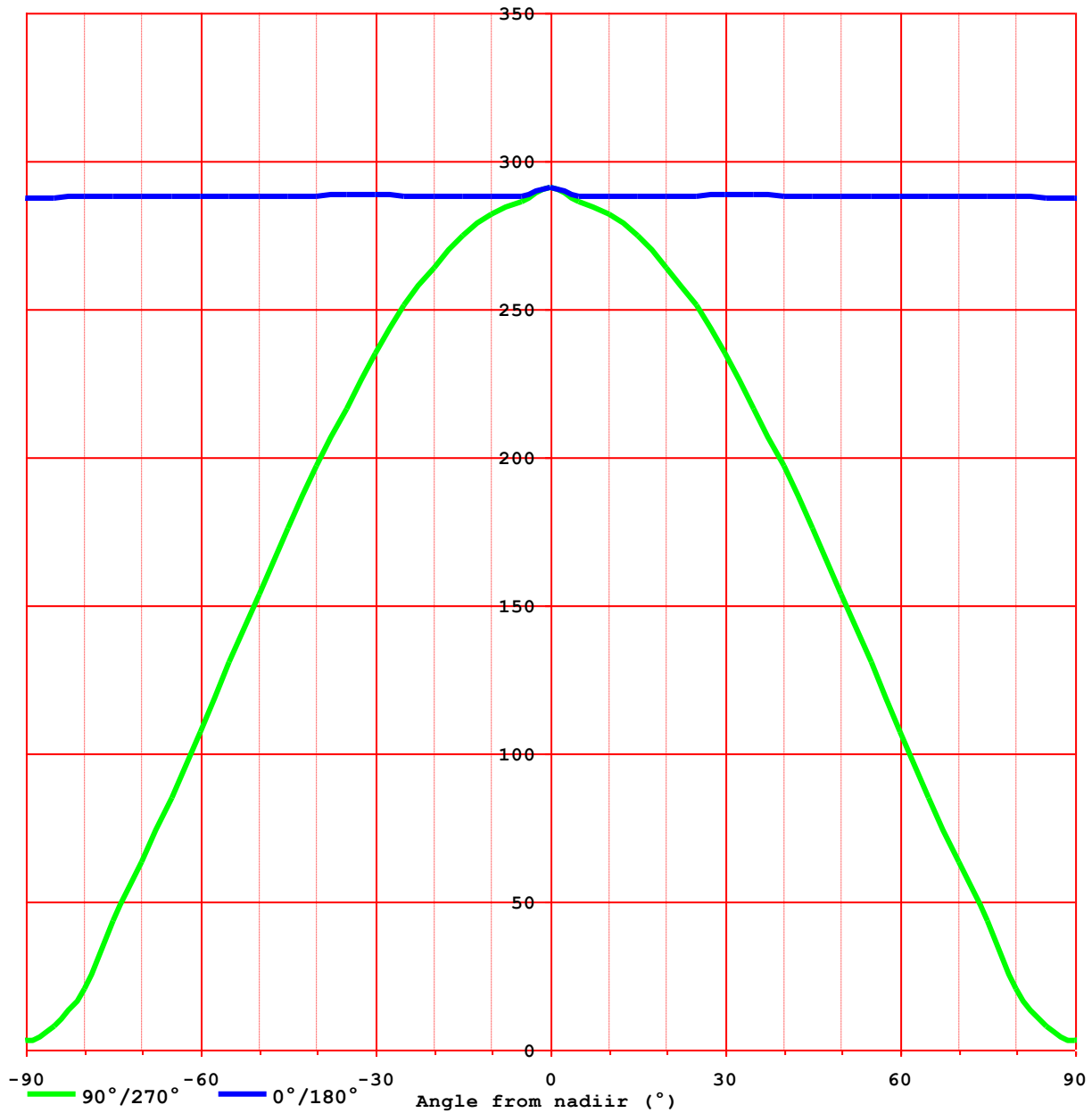
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Average Principal Axes Luminous Intensities (cd)



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Lamp lumen output 2530lm
No. of lamps in luminaire 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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Lamp lumen output 2530lm
No. of lamps in luminaire 1

Average Luminous Intensities (cd)

Angle	Transverse plane	Axial plane
0°	291.06	291.06
5°	288.14	286.38
10°	288.21	281.82
15°	288.15	274.57
20°	287.94	264.04
25°	287.76	251.22
30°	288.48	234.88
35°	288.39	216.50
40°	288.20	197.19
45°	288.02	175.98
50°	287.93	153.74
55°	287.76	130.53
60°	287.67	107.15
65°	287.83	84.99
70°	287.98	63.37
75°	288.01	43.56
80°	287.81	20.73
85°	287.56	7.98
90°	287.28	2.77
95°	286.27	8.98
100°	285.18	22.90
105°	284.25	37.90
110°	283.06	55.96
115°	281.30	74.96
120°	278.80	93.40
125°	275.44	112.60
130°	271.57	131.36
135°	266.99	150.61
140°	262.63	167.23
145°	258.04	183.63
150°	253.86	197.87
155°	249.35	211.47
160°	246.72	221.91
165°	244.67	230.45
170°	242.75	236.26
175°	241.62	240.08
180°	244.33	244.33

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Lamp lumen output 2530lm
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 / 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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Luminaire catalog No.

HFI 36W Stick-Lite

Luminaire description

Sealed tubular luminaire
with integral T8 fluorescent lamp
Single distribution test used for series

Lamp description

36W T8 linear fluorescent

Lamp lumen output

2530lm

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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No. of lamps in luminaire	1

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 2530lm
 No. of lamps in luminaire 1

Averaged Luminance Values (Cd/m²)

Elevation(°)

Azimuth(°)

	0°	15°	30°	45°	60°	75°	90°
45°	4965	4890	4808	4692	4689	4953	5891
50°	4982	4887	4765	4571	4469	4649	5630
55°	5037	4922	4759	4481	4267	4316	5321
60°	5134	4998	4795	4423	4090	4009	4967
65°	5280	5123	4876	4422	3950	3691	4607
70°	5477	5301	5017	4470	3856	3378	4175
75°	5733	5539	5229	4596	3839	3115	3692
80°	6057	5846	5513	4810	3949	2871	2489
85°	6471	6248	5910	5166	4221	2865	1664
	90°	105°	120°	135°	150°	165°	180°
45°	5891	4953	4689	4692	4808	4890	4965
50°	5630	4649	4469	4571	4765	4887	4982
55°	5321	4316	4267	4481	4759	4922	5037
60°	4967	4009	4090	4423	4795	4998	5134
65°	4607	3691	3950	4422	4876	5123	5280
70°	4175	3378	3856	4470	5017	5301	5477
75°	3692	3115	3839	4596	5229	5539	5733
80°	2489	2870	3949	4810	5513	5846	6057
85°	1664	2865	4221	5166	5910	6248	6471
	180°	195°	210°	225°	240°	255°	270°
45°	4965	4890	4808	4692	4689	4953	5891
50°	4982	4887	4765	4571	4469	4649	5630
55°	5037	4922	4759	4481	4267	4316	5321
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70°	5477	5301	5017	4470	3856	3378	4175
75°	5733	5539	5229	4596	3839	3115	3692
80°	6057	5846	5513	4810	3949	2871	2489
85°	6471	6248	5910	5166	4221	2865	1664
	270°	285°	300°	315°	330°	345°	0°
45°	5891	4953	4689	4692	4808	4890	4965
50°	5630	4649	4469	4571	4765	4887	4982
55°	5321	4316	4267	4481	4759	4922	5037
60°	4967	4009	4090	4423	4795	4998	5134
65°	4607	3691	3950	4422	4876	5123	5280
70°	4175	3378	3856	4470	5017	5301	5477
75°	3692	3115	3839	4596	5229	5539	5733
80°	2489	2870	3949	4810	5513	5846	6057
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Non averaged Luminance Values (Cd/m²)

Elevation(°)

Azimuth(°)

	0°	15°	30°	45°	60°	75°	90°
45°	4956	4890	4827	4733	4727	5004	5987
50°	4973	4886	4783	4608	4500	4701	5705
55°	5028	4922	4777	4514	4291	4347	5402
60°	5127	5000	4814	4462	4116	4056	5048
65°	5273	5124	4896	4464	4005	3742	4654
70°	5470	5303	5042	4501	3879	3428	4229
75°	5727	5544	5258	4619	3846	3153	3722
80°	6054	5853	5541	4834	3955	2897	2499
85°	6472	6259	5940	5182	4225	2893	1689
	90°	105°	120°	135°	150°	165°	180°
45°	5987	4985	4766	4730	4859	4917	4974
50°	5705	4704	4547	4619	4818	4915	4992
55°	5402	4372	4318	4528	4816	4950	5045
60°	5048	4055	4177	4478	4856	5027	5140
65°	4654	3736	4016	4489	4936	5152	5287
70°	4229	3405	3940	4544	5077	5330	5485
75°	3722	3093	3910	4671	5293	5568	5739
80°	2499	2871	4043	4887	5574	5871	6060
85°	1689	2849	4310	5252	5971	6269	6470
	180°	195°	210°	225°	240°	255°	270°
45°	4974	4884	4764	4652	4624	4928	5795
50°	4992	4882	4723	4531	4403	4614	5556
55°	5045	4914	4710	4440	4211	4309	5240
60°	5140	4987	4739	4375	4016	3975	4887
65°	5287	5112	4819	4363	3875	3660	4561
70°	5485	5288	4954	4404	3777	3364	4120
75°	5739	5522	5153	4522	3769	3137	3662
80°	6060	5827	5439	4730	3853	2886	2479
85°	6470	6225	5832	5077	4125	2875	1640
	270°	285°	300°	315°	330°	345°	0°
45°	5795	4894	4639	4653	4783	4869	4956
50°	5556	4578	4426	4524	4735	4865	4973
55°	5240	4238	4247	4442	4734	4901	5028
60°	4887	3949	4051	4377	4769	4979	5127
65°	4561	3627	3902	4373	4852	5103	5273
70°	4120	3316	3827	4432	4996	5281	5470
75°	3662	3076	3832	4573	5211	5521	5727
80°	2479	2828	3944	4788	5498	5831	6054
85°	1640	2844	4223	5154	5896	6237	6472

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Averaged Luminance Values (Cd/m²/klm)

Elevation(°)

Azimuth(°)

	0°	15°	30°	45°	60°	75°	90°
45°	1963	1933	1901	1855	1854	1958	2329
50°	1970	1932	1884	1807	1767	1838	2226
55°	1992	1946	1882	1772	1687	1707	2104
60°	2030	1976	1896	1749	1617	1585	1964
65°	2088	2026	1928	1749	1562	1460	1822
70°	2166	2096	1984	1768	1525	1336	1651
75°	2267	2190	2067	1817	1518	1232	1460
80°	2395	2311	2180	1902	1562	1135	984
85°	2559	2470	2337	2043	1669	1133	658
	90°	105°	120°	135°	150°	165°	180°
45°	2329	1958	1854	1855	1901	1933	1963
50°	2226	1838	1767	1807	1884	1932	1970
55°	2104	1707	1687	1772	1882	1946	1992
60°	1964	1585	1617	1749	1896	1976	2030
65°	1822	1460	1562	1749	1928	2026	2088
70°	1651	1336	1525	1768	1984	2096	2166
75°	1460	1232	1518	1817	2067	2190	2267
80°	984	1135	1562	1902	2180	2311	2395
85°	658	1133	1669	2043	2337	2470	2559
	180°	195°	210°	225°	240°	255°	270°
45°	1963	1933	1901	1855	1854	1958	2329
50°	1970	1932	1884	1807	1767	1838	2226
55°	1992	1946	1882	1772	1687	1707	2104
60°	2030	1976	1896	1749	1617	1585	1964
65°	2088	2026	1928	1749	1562	1460	1822
70°	2166	2096	1984	1768	1525	1336	1651
75°	2267	2190	2067	1817	1518	1232	1460
80°	2395	2311	2180	1902	1562	1135	984
85°	2559	2470	2337	2043	1669	1133	658
	270°	285°	300°	315°	330°	345°	0°
45°	2329	1958	1854	1855	1901	1933	1963
50°	2226	1838	1767	1807	1884	1932	1970
55°	2104	1707	1687	1772	1882	1946	1992
60°	1964	1585	1617	1749	1896	1976	2030
65°	1822	1460	1562	1749	1928	2026	2088
70°	1651	1336	1525	1768	1984	2096	2166
75°	1460	1232	1518	1817	2067	2190	2267
80°	984	1135	1562	1902	2180	2311	2395
85°	658	1133	1669	2043	2337	2470	2559

Customer Encapsulite International Ltd.
 Luminaire Range Stick-Lite
 Luminaire catalog No. HFI 36W Stick-Lite
 Luminaire description Sealed tubular luminaire
 with integral T8 fluorescent lamp
 Single distribution test used for series
 Lamp description 36W T8 linear fluorescent
 Lamp lumen output 2530lm
 No. of lamps in luminaire 1

Non averaged Luminance Values (Cd/m²/klm)

Elevation(°)

Azimuth(°)

	0°	15°	30°	45°	60°	75°	90°
45°	1960	1933	1909	1872	1869	1979	2367
50°	1966	1932	1891	1822	1779	1859	2256
55°	1988	1946	1889	1785	1697	1719	2136
60°	2027	1977	1904	1764	1628	1604	1996
65°	2085	2026	1936	1765	1584	1479	1840
70°	2163	2097	1994	1780	1534	1355	1672
75°	2265	2192	2079	1826	1521	1247	1472
80°	2394	2314	2191	1911	1564	1146	988
85°	2559	2475	2349	2049	1671	1144	668
	90°	105°	120°	135°	150°	165°	180°
45°	2367	1971	1885	1870	1921	1944	1967
50°	2256	1860	1798	1827	1905	1944	1974
55°	2136	1729	1707	1790	1904	1957	1995
60°	1996	1603	1652	1771	1920	1988	2033
65°	1840	1477	1588	1775	1952	2037	2091
70°	1672	1346	1558	1797	2007	2107	2169
75°	1472	1223	1546	1847	2093	2202	2269
80°	988	1135	1599	1932	2204	2322	2396
85°	668	1127	1704	2077	2361	2479	2558
	180°	195°	210°	225°	240°	255°	270°
45°	1967	1931	1884	1839	1829	1948	2291
50°	1974	1931	1867	1791	1741	1825	2197
55°	1995	1943	1863	1756	1665	1704	2072
60°	2033	1972	1874	1730	1588	1572	1933
65°	2091	2021	1906	1725	1532	1447	1804
70°	2169	2091	1959	1741	1493	1330	1629
75°	2269	2183	2038	1788	1490	1240	1448
80°	2396	2304	2151	1870	1524	1141	980
85°	2558	2461	2306	2007	1631	1137	648
	270°	285°	300°	315°	330°	345°	0°
45°	2291	1935	1834	1840	1891	1925	1960
50°	2197	1810	1750	1789	1872	1924	1966
55°	2072	1676	1679	1757	1872	1938	1988
60°	1933	1561	1602	1731	1886	1969	2027
65°	1804	1434	1543	1729	1919	2018	2085
70°	1629	1311	1513	1753	1975	2088	2163
75°	1448	1216	1515	1808	2060	2183	2265
80°	980	1118	1560	1893	2174	2306	2394
85°	648	1125	1670	2038	2331	2466	2559

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Customer Encapsulite International Ltd.
Luminaire Range Stick-Lite
Luminaire catalog No. HFI 36W Stick-Lite
Luminaire description Sealed tubular luminaire
with integral T8 fluorescent lamp
Single distribution test used for series
Lamp description 36W T8 linear fluorescent
Lamp lumen output 2530lm
No. of lamps in luminaire 1

Maximum Non averaged Luminance Values (Cd/m²)

Elevation(°)

Maximum Azimuth Angle

45°	5987	90°
50°	5705	90°
55°	5402	90°
60°	5140	180°
65°	5287	180°
70°	5485	180°
75°	5739	180°
80°	6060	180°
85°	6472	0°

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Lamp lumen output 2530lm
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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 Lamp lumen output 2530lm
 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

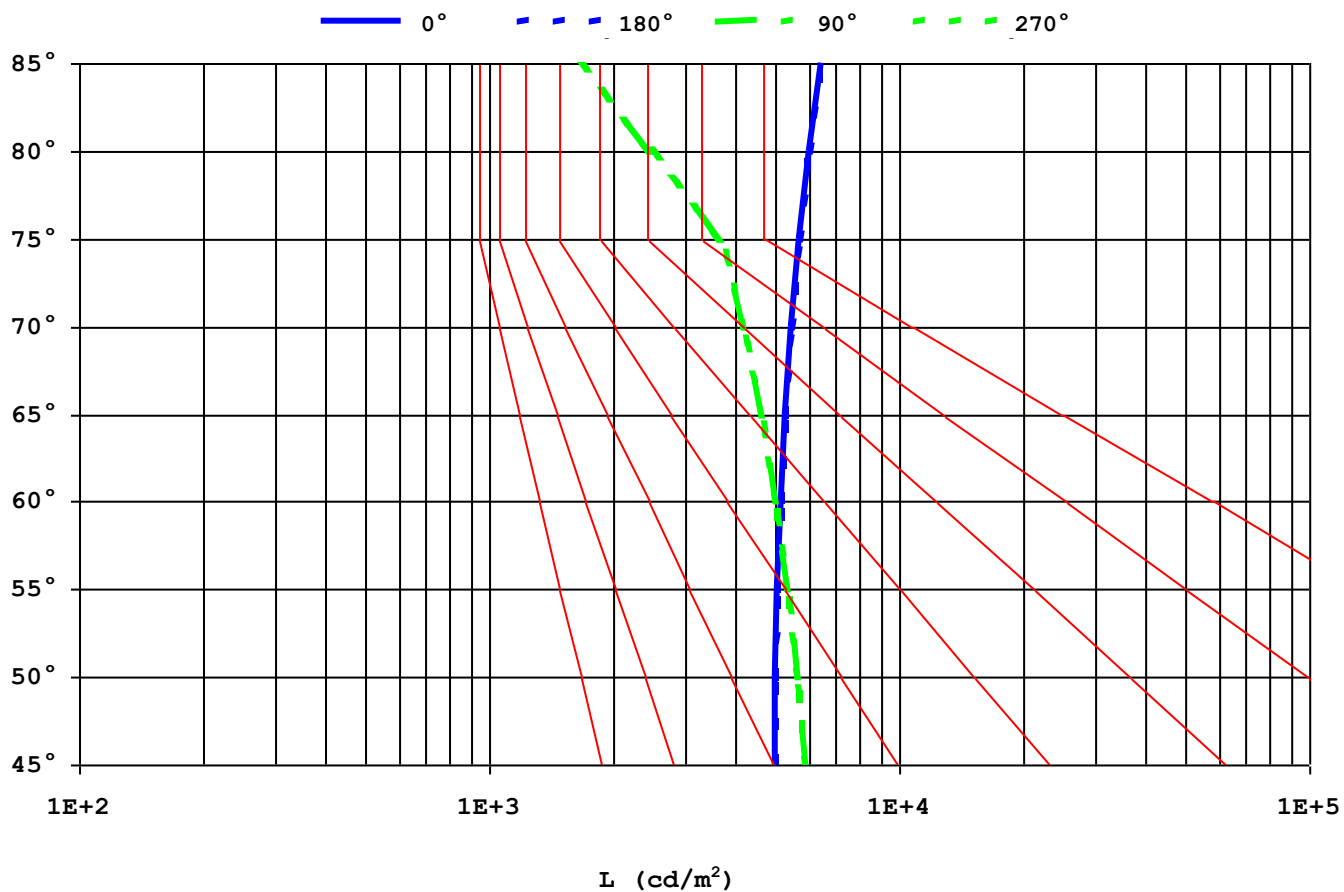
X	Y	0°					90°				
2H	2H	10.7	11.9	11.9	13.1	14.7	6.7	7.9	7.8	9.1	10.6
	3H	14.2	15.3	15.3	16.5	18.1	8.6	9.7	9.7	10.9	12.5
	4H	15.9	17.0	17.1	18.2	19.8	9.3	10.3	10.4	11.5	13.1
	6H	17.8	18.8	19.0	20.0	21.6	9.7	10.7	10.9	12.0	13.6
	8H	18.8	19.7	20.0	21.0	22.6	9.9	10.8	11.0	12.0	13.6
	12H	19.8	20.7	21.0	21.9	23.5	9.9	10.9	11.1	12.1	13.7
4H	2H	11.6	12.6	12.7	13.8	15.4	8.9	10.0	10.1	11.2	12.8
	3H	15.4	16.3	16.6	17.6	19.2	11.1	12.0	12.3	13.3	14.9
	4H	17.4	18.3	18.6	19.5	21.1	12.1	12.9	13.3	14.1	15.8
	6H	19.5	20.3	20.7	21.5	23.1	12.7	13.5	13.9	14.8	16.4
	8H	20.6	21.3	21.8	22.6	24.2	13.0	13.7	14.2	15.0	16.6
	12H	21.8	22.5	23.0	23.7	25.4	13.2	13.8	14.4	15.1	16.7
8H	4H	18.0	18.8	19.3	20.0	21.7	14.4	15.1	15.6	16.4	18.0
	6H	20.4	21.1	21.7	22.3	24.0	15.4	16.0	16.6	17.3	18.9
	8H	21.8	22.4	23.1	23.7	25.3	15.9	16.5	17.2	17.7	19.4
	12H	23.3	23.7	24.5	25.0	26.7	16.3	16.7	17.5	18.0	19.7
12H	4H	18.2	18.8	19.4	20.1	21.8	15.5	16.2	16.7	17.4	19.1
	6H	20.7	21.3	22.0	22.6	24.2	16.8	17.3	18.0	18.6	20.3
	8H	22.2	22.7	23.4	24.0	25.6	17.4	17.8	18.6	19.1	20.8

Calculated in accordance with CIBSE Technical Memorandum No. 10 1985

Customer Encapsulite International Ltd.
Luminaire Range Stick-Lite
Luminaire catalog No. HFI 36W Stick-Lite
Luminaire description Sealed tubular luminaire
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Lamp description 36W T8 linear fluorescent
Lamp lumen output 2530lm
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



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Customer	Encapsulite International Ltd.
Luminaire Range	Stick-Lite
Luminaire catalog No.	HFI 36W Stick-Lite
Luminaire description	Sealed tubular luminaire with integral T8 fluorescent lamp Single distribution test used for series
Lamp description	36W T8 linear fluorescent
Lamp lumen output	2530lm
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.

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Customer Encapsulite International Ltd.
Luminaire Range Stick-Lite
Luminaire catalog No. HFI 36W Stick-Lite
Luminaire description Sealed tubular luminaire
with integral T8 fluorescent lamp
Single distribution test used for series
Lamp description 36W T8 linear fluorescent
Lamp lumen output 2530lm
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 = 2529 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	1.4	2.1	2.8	3.5	5.5	6.9	13.9	20.8	34.7