

Test Report


Ref No	: ET/GMSCKIL/EPT-I/15-152
Enterprise	: GMS Composite Knitting Ind. Ltd.
Factory Address	: Shardagonj, Kashimpur, Gazipur, Bangladesh
Sample Description	: Illumination Level (Indoor Assessment)
Sampling Time	: 04. 05 PM – 6.00 PM
Sampling Date/Date of Test	: 31 st March, 2015
Reporting Date	: 05 th April, 2015
Sampling Meter Description	: A light meter was used to measure the light Level quality. Model: LX-101A, Measuring range: 0-50000Lux. Accuracy: \pm (5% + 2d)

Collected Data:


Sl No.	Name of Sections	Location	Effect of weather Condition	Obtained Result in Lux	BNBC 2006 Guideline standards (lux)	Remarks
1	Dining room	6 th Floor B ₁	Sunny	120	100-200	Acceptable
2	Printing section 2	5 th Floor B ₁	Sunny	360	300-700	Acceptable
3	Printing section 1	4 th Floor B ₁	Sunny	355	300-700	Acceptable
4	Accessories store	3 rd Floor B ₁	Sunny	135	50-200	Acceptable
5	Office room	2 nd Floor B ₁	Sunny	170	150-200	Acceptable
6	Medical center		Sunny	145	100-200	Acceptable
7	Store room	1 st Floor B ₁	Sunny	88	50-200	Acceptable
8	Embroidery section	Ground Floor B ₁	Sunny	325	300-700	Acceptable
9	Cutting section	5 th Floor B ₂	Sunny	540	300-700	Acceptable
10	Printing section	4 th Floor B ₂	Sunny	462	300-700	Acceptable
11	Sewing section-B	3 rd Floor B ₂	Sunny	472	300-700	Acceptable
12	Sewing section-A	2 nd Floor B ₂	Sunny	480	300-700	Acceptable
13	Finishing section	1 st Floor B ₂	Sunny	350	200-500	Acceptable
14	Dyeing section	Ground Floor B ₂	Sunny	310	300-700	Acceptable

Reference: BNBC 2006 guidelines chapter 1, part 8, table (8.1.5, 8.1.7, 8.1.9 & 8.1.10)

Note: B₁= Building 1, B₂= Building 2


Report Analyzed By:
 Sonia Sultana
 LAB Analyst
 Enviro-Tech




Report Reviewed By:
 Md. Alim Miah
 LAB Analyst
 Enviro-Tech

Collected Data:

Sl No.	Name of Sections	Location	Effect of weather Condition	Obtained Result in Lux	BNBC 2006 Guideline standards (lux)	Remarks
15	Sewing section-E	5 th Floor B ₃	Sunny	560	300-700	Acceptable
16	Cutting section	4 th Floor B ₃	Sunny	580	300-700	Acceptable
17	Sample section		Sunny	470	200-500	Acceptable
18	Sample section	3 rd Floor B ₃	Sunny	450	200-500	Acceptable
19	Office room		Sunny	160	150-200	Acceptable
20	Finishing section	2 nd Floor B ₃	Sunny	470	200-500	Acceptable
21	Dining room	1 st Floor B ₃	Sunny	165	100-200	Acceptable
22	Office room		Sunny	160	150-200	Acceptable
23	Dyeing Finishing	Ground Floor B ₃	Sunny	300	200-500	Acceptable
24	Dining room	6 th Floor B ₄	Sunny	160	100-200	Acceptable
25	Cutting section	5 th Floor B ₄	Sunny	367	300-700	Acceptable
26	Sewing section-D	4 th Floor B ₄	Sunny	475	300-700	Acceptable
27	Sewing section-C	3 rd Floor B ₄	Sunny	360	300-700	Acceptable
28	Quality table	2 nd Floor B ₄	Sunny	900	450-1500	Acceptable
29	Finishing section		Sunny	481	200-500	Acceptable
30	Yarn dyeing section	1 st Floor B ₄	Sunny	300	300-700	Acceptable
31	Yarn store		Sunny	118	50-200	Acceptable
32	Yarn dyeing section	Ground Floor B ₄	Sunny	305	300-700	Acceptable
33	Chemical store		Sunny	200	50-200	Acceptable

Reference: BNBC 2006 guidelines chapter 1, part 8, table (8.1.5, 8.1.7, 8.1.9 & 8.1.10)

Note: B₃= Building 3, B₄= Building 4

Sonia

Report Analyzed By:

Sonia Sultana
LAB Analyst
Enviro-Tech



Md. Alim Miah

Report Reviewed By:

Md. Alim Miah
LAB Analyst
Enviro-Tech

Collected Data:

Sl No.	Name of Sections	Location	Effect of weather Condition	Obtained Result in Lux	BNBC 2006 Guideline standards (lux)	Remarks
34	Wet lab	3 rd Floor B ₅	Sunny	300	300-700	Acceptable
35	Testing lab room		Sunny	478	300-700	Acceptable
36	Testing lab room	2 nd Floor B ₅	Sunny	420	300-700	Acceptable
37	Office room	1 st Floor B ₅	Sunny	189	150-200	Acceptable
38	Dyeing finishing	Ground Floor B ₅	Sunny	452	200-500	Acceptable
39	Chemical store		Sunny	79	50-200	Acceptable
40	Dyeing (Batch)	Shed	Sunny	321	300-700	Acceptable
41	Dyeing (Wash)	Shed	Sunny	300	300-700	Acceptable
42	Dyeing (Old)	Shed	Sunny	323	300-700	Acceptable
43	Dyeing finishing	Shed	Sunny	340	200-500	Acceptable
44	Boiler room	Shed	Sunny	79	70-100	Acceptable
45	Generator room	Shed	Sunny	87	70-100	Acceptable
46	Childcare room	Shed	Sunny	100	100-200	Acceptable
47	Medical room	Shed	Sunny	110	100-200	Acceptable
48	Canteen	Shed	Sunny	120	100-200	Acceptable
49	Dining room	6 th Floor B _{6A}	Sunny	100	100-200	Acceptable
50	Cutting section	5 th Floor B _{6A}	Sunny	438	300-700	Acceptable
51	Sewing section-G	4 th Floor B _{6A}	Sunny	408	300-700	Acceptable
52	Sewing section-F	3 rd Floor B _{6A}	Sunny	689	300-700	Acceptable
53	QC table (Sewing)		Sunny	1104	450-1500	Acceptable
54	Finishing section	2 nd Floor B _{6A}	Sunny	490	200-500	Acceptable
55	QC table (Finishing)		Sunny	1145	450-1500	Acceptable
56	Knitting section	1 st Floor B _{6A}	Sunny	320	300-700	Acceptable
57	Fabric store	Ground Floor B _{6A}	Sunny	67	50-200	Acceptable

Reference: BNBC 2006 guidelines chapter 1, part 8, table (8.1.5, 8.1.7, 8.1.9 & 8.1.10)

Note: B₅= Building 5, B_{6A}= Building 6A, Shed

Sonia

Report Analyzed By:

Sonia Sultana
LAB Analyst
Enviro-Tech



Alim Miah

Report Reviewed By:

Md. Alim Miah
LAB Analyst
Enviro-Tech

Collected Data:

Sl No.	Name of Sections	Location	Effect of weather Condition	Obtained Result in Lux	BNBC 2006 Guideline standards (lux)	Remarks
58	Dining room	6 th Floor B _{6B}	Sunny	110	100-200	Acceptable
59	Cutting section	5 th Floor B _{6B}	Sunny	420	300-700	Acceptable
60	Sewing section-I	4 th Floor B _{6B}	Sunny	390	300-700	Acceptable
61	Sewing section-H	3 rd Floor B _{6B}	Sunny	410	300-700	Acceptable
62	QC table (Sewing)		Sunny	1000	450-1500	Acceptable
63	Finishing section	2 nd Floor B _{6B}	Sunny	490	200-500	Acceptable
64	QC table (Finishing)		Sunny	1050	450-1500	Acceptable
65	Knitting section	1 st Floor B _{6B}	Sunny	460	300-700	Acceptable
66	Knitting section	Ground Floor B _{6B}	Sunny	86	50-200	Acceptable

Reference: BNBC 2006 guidelines chapter 1, part 8, table (8.1.5, 8.1.7, 8.1.9 & 8.1.10)

Note: B_{6B}= Building 6B

Comment: The result was found satisfactory and the workplace light level quality condition is good comparison to light level standard.

Sonia

Report Analyzed By:

Sonia Sultana
LAB Analyst
Enviro-Tech



Alim

Report Reviewed By:

Md. Alim Miah
LAB Analyst
Enviro-Tech

Graphical Presentation of the Report for Building 1 & 2:

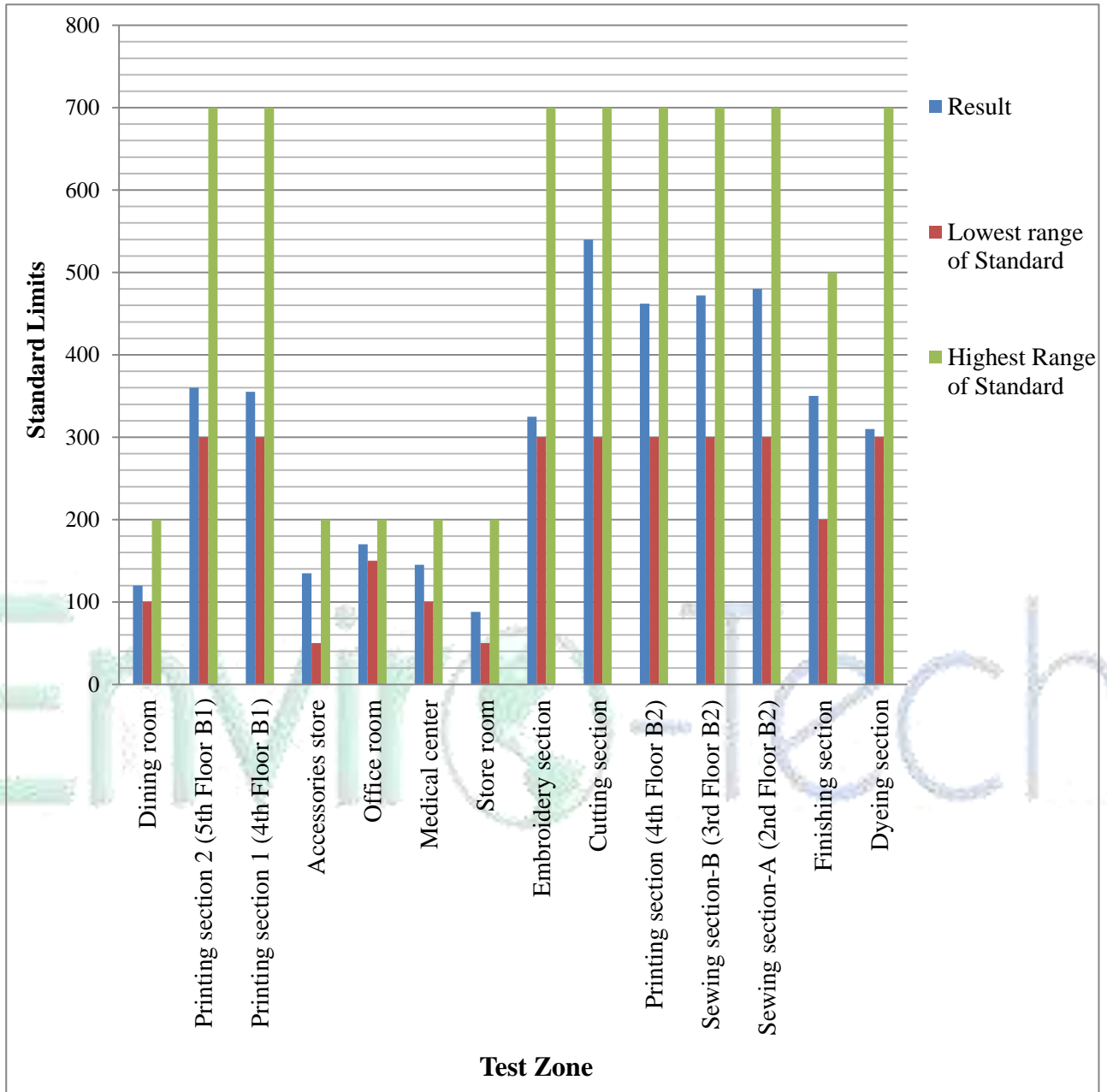


Figure: Graphical Presentation of the Illumination Level Test Result

Sonia
Report Analyzed By:
 Sonia Sultana
 LAB Analyst
 Enviro-Tech



Alim
Report Reviewed By:
 Md. Alim Miah
 LAB Analyst
 Enviro-Tech

Graphical Presentation of the Report for Building 3 & 4:

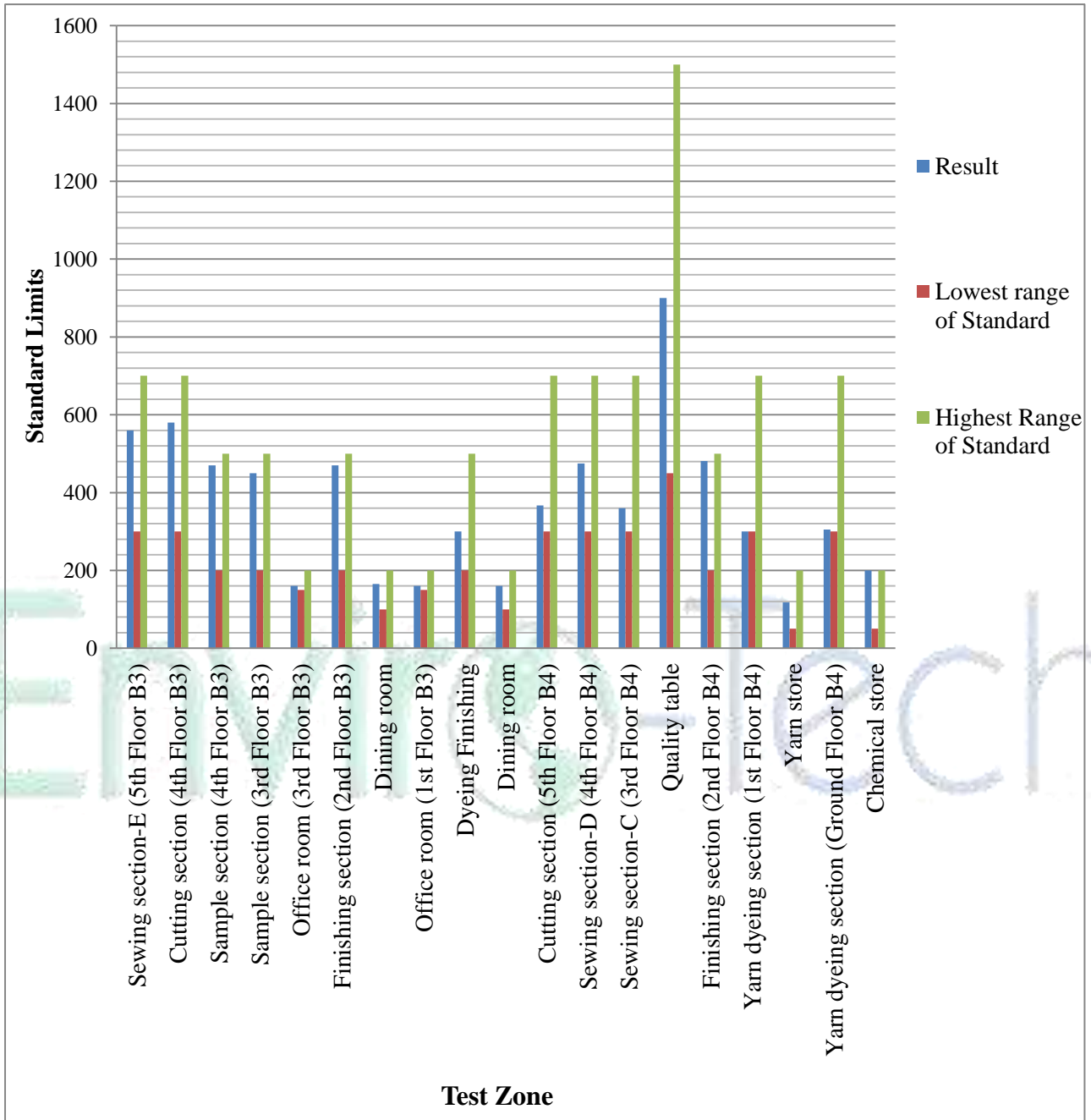


Figure: Graphical Presentation of the Illumination Level Test Result

Sonia

Report Analyzed By:

Sonia Sultana
LAB Analyst
Enviro-Tech



Md. Alim Miah

Report Reviewed By:

Md. Alim Miah
LAB Analyst
Enviro-Tech

Graphical Presentation of the Report for Building 5, 6A & Shed:

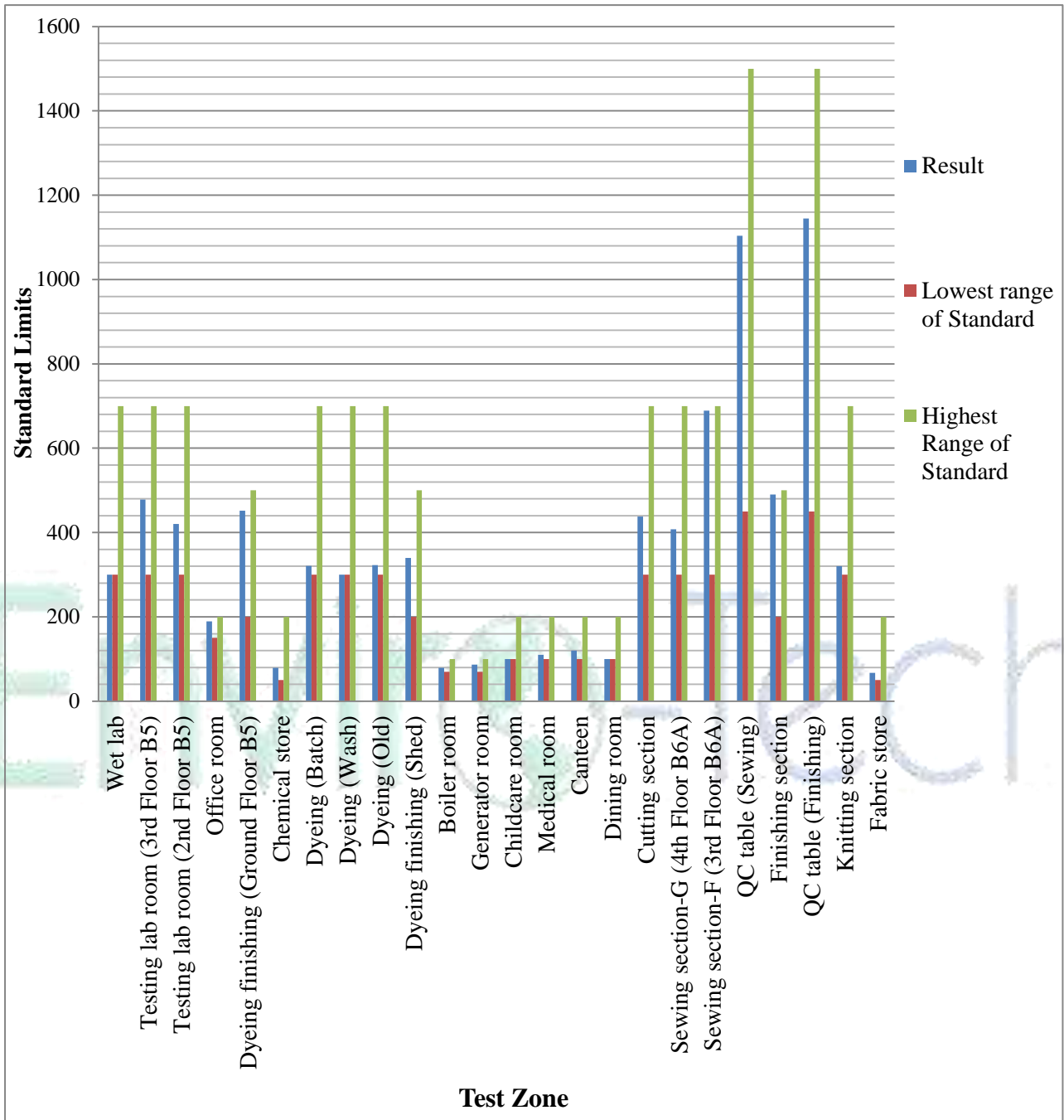


Figure: Graphical Presentation of the Illumination Level Test Result

Sonia
Report Analyzed By:
 Sonia Sultana
 LAB Analyst
 Enviro-Tech



Alim Miah
Report Reviewed By:
 Md. Alim Miah
 LAB Analyst
 Enviro-Tech

Graphical Presentation of the Report for Building 6B:

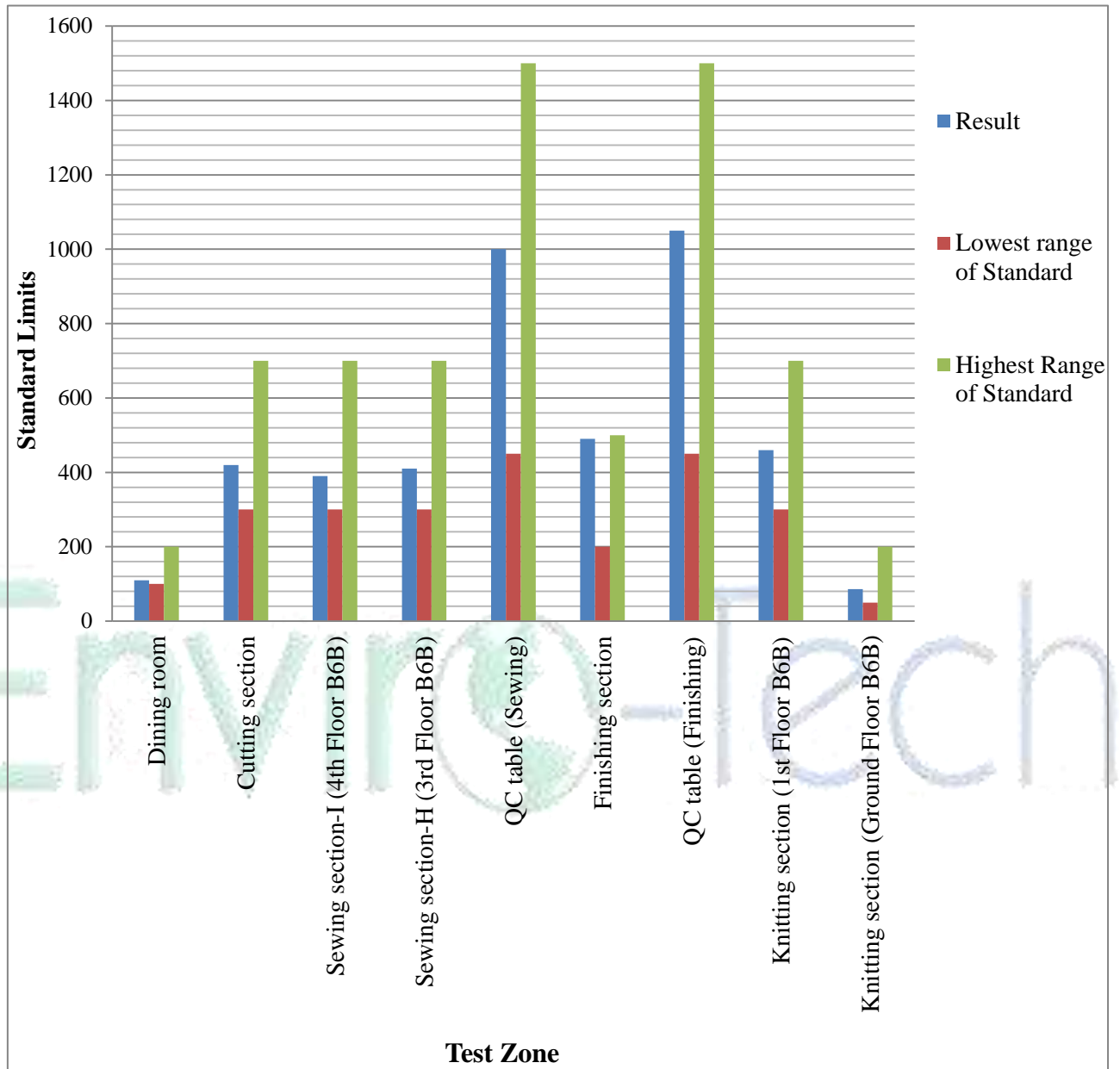


Figure: Graphical Presentation of the Illumination Level Test Result

Sonia
Report Analyzed By:
 Sonia Sultana
 LAB Analyst
 Enviro-Tech



Alim Miah
Report Reviewed By:
 Md. Alim Miah
 LAB Analyst
 Enviro-Tech